

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050120\  
 Data File : VX016023.D  
 Acq On : 01 May 2020 19:41  
 Operator : JC/SP  
 Sample : L2469-08MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

Manual Integrations  
 APPROVED

MMDadoda  
 5/4/2020 2:20:03 PM

Quant Time: May 02 08:10:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 28 17:30:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 267812   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 441085   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 414438   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 209932   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.04   | 65  | 180105   | 51.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.88% |      |
| 35) Dibromofluoromethane  | 5.47   | 113 | 136678   | 49.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.34%  |      |
| 50) Toluene-d8            | 8.70   | 98  | 517977   | 50.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.70% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 205043   | 50.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.64% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 122722  | 51.209  | ug/l | 99     |
| 3) Chloromethane              | 1.31 | 50  | 147851  | 50.905  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.39 | 62  | 174034  | 52.762  | ug/l | 100    |
| 5) Bromomethane               | 1.62 | 94  | 88149   | 39.808  | ug/l | 98     |
| 6) Chloroethane               | 1.70 | 64  | 110833  | 50.515  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.91 | 101 | 229336  | 46.000  | ug/l | 99     |
| 8) Diethyl Ether              | 2.17 | 74  | 100492  | 48.282  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101 | 128554  | 51.729  | ug/l | 98     |
| 10) Methyl Iodide             | 2.49 | 142 | 170085  | 49.062  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.02 | 59  | 231562  | 272.435 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 133876  | 52.248  | ug/l | 98     |
| 13) Acrolein                  | 2.27 | 56  | 69548   | 325.590 | ug/l | 99     |
| 14) Allyl chloride            | 2.71 | 41  | 248455  | 53.774  | ug/l | 96     |
| 15) Acrylonitrile             | 3.12 | 53  | 467957  | 277.665 | ug/l | 100    |
| 16) Acetone                   | 2.42 | 43  | 413061  | 275.866 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.55 | 76  | 381170  | 50.996  | ug/l | 99     |
| 18) Methyl Acetate            | 2.75 | 43  | 222639  | 52.398  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 493895  | 53.293  | ug/l | 98     |
| 20) Methylene Chloride        | 2.84 | 84  | 154988  | 52.288  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 145318  | 50.322  | ug/l | 100    |
| 22) Diisopropyl ether         | 3.82 | 45  | 492999  | 54.273  | ug/l | 98     |
| 23) Vinyl Acetate             | 3.79 | 43  | 2023413 | 256.428 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 297940  | 58.879  | ug/l | 99     |
| 25) 2-Butanone                | 4.64 | 43  | 667717  | 275.190 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 219374  | 47.415  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 168710  | 51.483  | ug/l | 99     |
| 28) Bromochloromethane        | 4.98 | 49  | 125091  | 51.085  | ug/l | 97     |
| 29) Tetrahydrofuran           | 5.09 | 42  | 436101  | 274.252 | ug/l | 99     |
| 30) Chloroform                | 5.18 | 83  | 275277  | 52.316  | ug/l | 99     |
| 31) Cyclohexane               | 5.55 | 56  | 239001  | 53.054  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 249504  | 51.500  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.78 | 75  | 201415  | 47.944  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.80 | 43  | 243940  | 50.639  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 217938  | 49.115  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050120\  
 Data File : VX016023.D  
 Acq On : 01 May 2020 19:41  
 Operator : JC/SP  
 Sample : L2469-08MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

Manual Integrations  
 APPROVED

MMDadoda  
 5/4/2020 2:20:03 PM

Quant Time: May 02 08:10:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 28 17:30:11 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 238396   | 49.059   | ug/l   | 97       |
| 40) Benzene                    | 6.12  | 78   | 610882   | 50.963   | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.01  | 41   | 138430   | 53.685   | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 229400   | 49.392   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.42  | 43   | 395229   | 49.545   | ug/l   | 99       |
| 44) Trichloroethene            | 7.19  | 130  | 205912   | 47.659   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 159535   | 51.498   | ug/l   | 98       |
| 46) Dibromomethane             | 7.64  | 93   | 107700   | 48.926   | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.88  | 83   | 222359   | 50.833   | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.75  | 41   | 193338   | 52.494   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.71  | 88   | 91226    | 1052.887 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 1278000  | 264.124  | ug/l   | 98       |
| 52) Toluene                    | 8.77  | 92   | 384657   | 50.554   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 255818   | 49.287   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.41  | 75   | 264193   | 49.491   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 156828   | 51.576   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 259359   | 52.456   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 268961   | 51.481   | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.48  | 43   | 1003198  | 265.296  | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.57  | 129  | 175113   | 51.453   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 169728   | 51.475   | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 235715   | 47.944   | ug/l   | 95       |
| 65) Chlorobenzene              | 10.12 | 112  | 414951   | 49.159   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 159792   | 50.087   | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.24 | 91   | 737529   | 49.063   | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.34 | 106  | 563008   | 98.703   | ug/l   | 100      |
| 69) o-Xylene                   | 10.68 | 106  | 273575   | 50.516   | ug/l   | 98       |
| 70) Stvrene                    | 10.70 | 104  | 479506   | 51.601   | ug/l   | 99       |
| 71) Bromoform                  | 10.84 | 173  | 130863   | 45.315   | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.01 | 105  | 732968   | 51.324   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 334688   | 48.592   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 159153   | 48.156   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 227893m  | 51.734   | ug/l   |          |
| 77) Bromobenzene               | 11.24 | 156  | 185749   | 50.529   | ug/l   | 97       |
| 78) n-propylbenzene            | 11.35 | 91   | 842467   | 51.280   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.41 | 91   | 500953   | 51.179   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 623791   | 51.852   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 93192    | 49.994   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 591436   | 50.519   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 530584   | 51.151   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 630531   | 52.078   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 716427   | 51.264   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 652850   | 49.873   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 322087   | 48.046   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 327453   | 48.332   | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.37 | 91   | 584861   | 49.448   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.58 | 117  | 117552   | 50.825   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 320115   | 49.937   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 59669    | 50.608   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 226426   | 47.060   | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\  
Data File : VX016023.D  
Acq On : 01 May 2020 19:41  
Operator : JC/SP  
Sample : L2469-08MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

Manual Integrations  
APPROVED

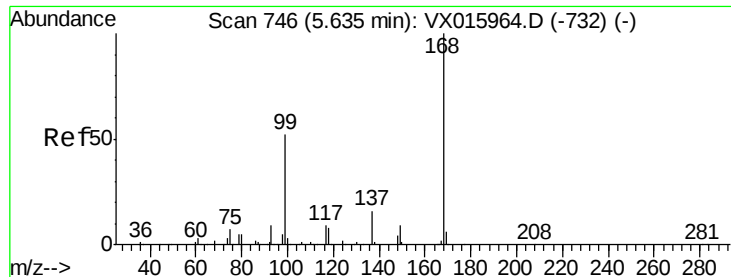
MMDadoda  
5/4/2020 2:20:03 PM

Quant Time: May 02 08:10:02 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 28 17:30:11 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.77 | 225  | 95336    | 44.349 | ug/l  | 99       |
| 95) Naphthalene            | 13.82 | 128  | 770251   | 50.758 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 226590   | 48.909 | ug/l  | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Tot Ion:168 Resp: 267812

Ion Ratio Lower Upper

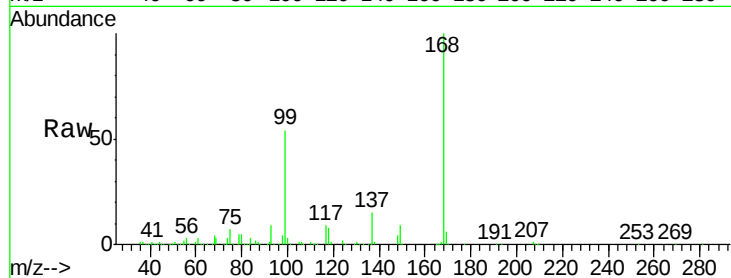
168 100

99 53.5 41.7 62.5

Manual Integrations  
APPROVED

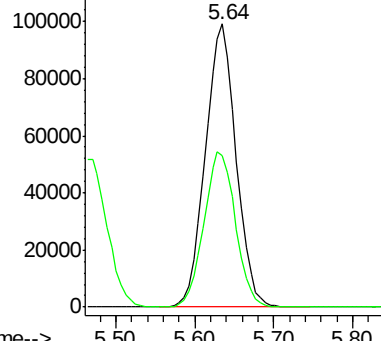
MMDadoda

5/4/2020 2:20:03 PM

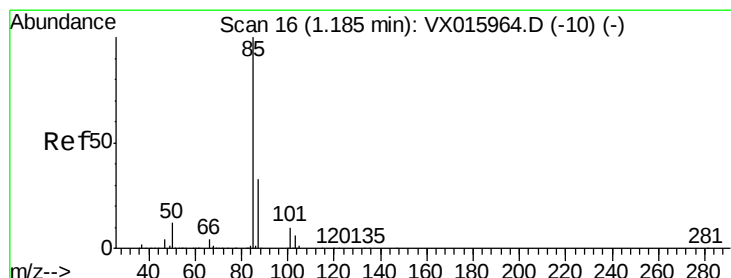
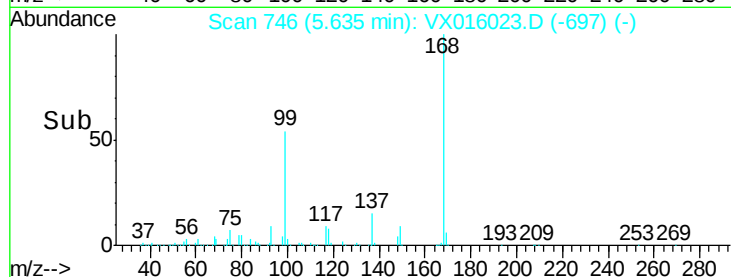


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#2

Dichlorodifluoromethane

Concen: 51.209 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016023.D

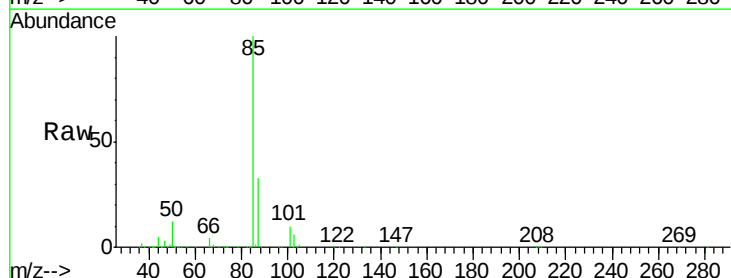
Acq: 01 May 2020 19:41

Tgt Ion: 85 Resp: 122722

Ion Ratio Lower Upper

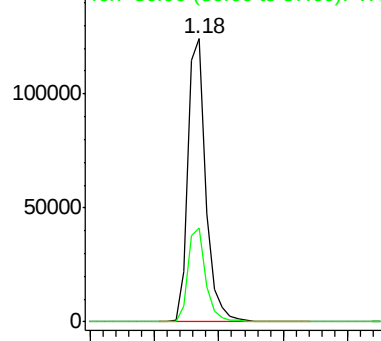
85 100

87 33.0 16.7 50.1

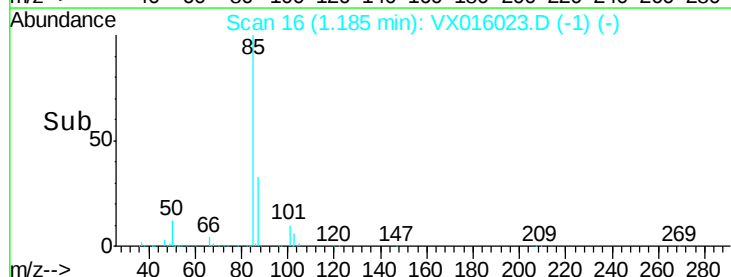


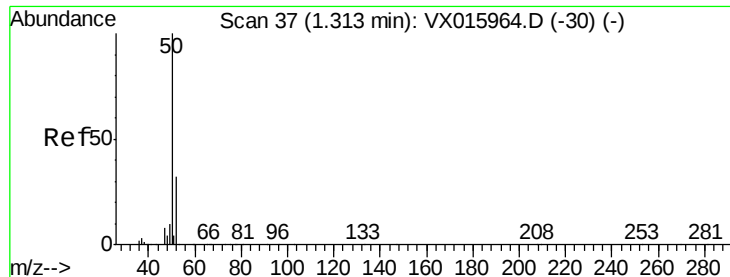
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->





#3

Chloromethane

Concen: 50.905 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Tot Ion: 50 Resp: 147851

Ion Ratio Lower Upper

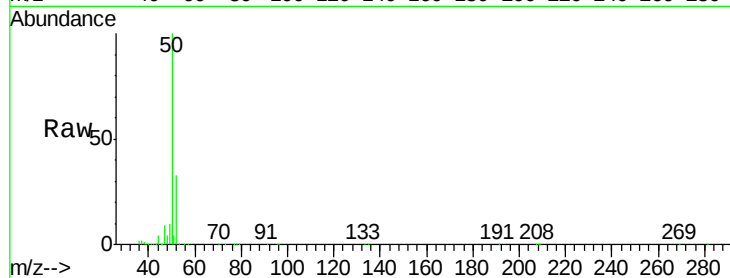
50 100

52 32.6 25.5 38.3

Manual Integrations  
APPROVED

MMDadoda

5/4/2020 2:20:03 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

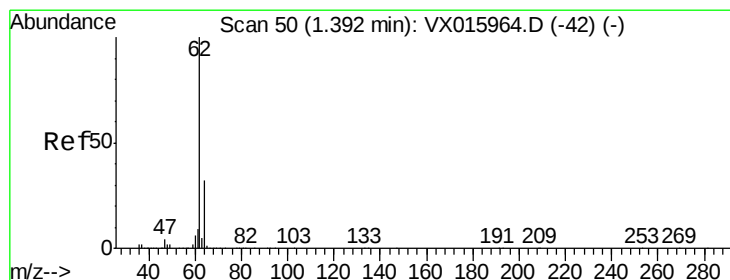
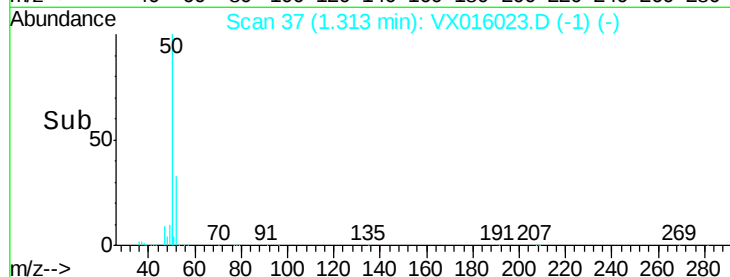
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 52.762 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016023.D

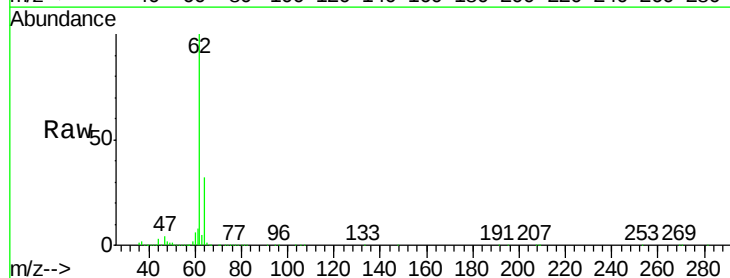
Acq: 01 May 2020 19:41

Tgt Ion: 62 Resp: 174034

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

200000

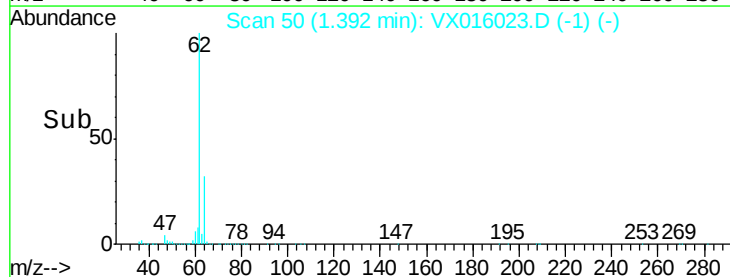
150000

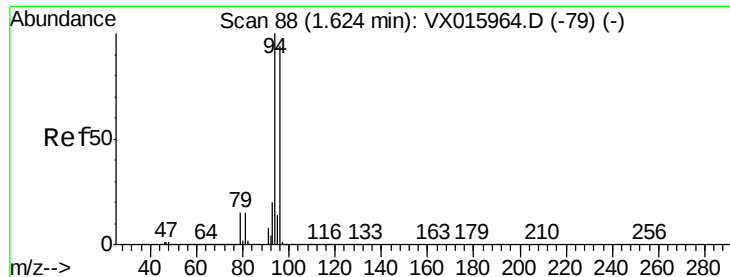
100000

50000

0

Time-->





#5

Bromomethane

Concen: 39.808 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Tot Ion: 94 Resp: 88149

Ion Ratio Lower Upper

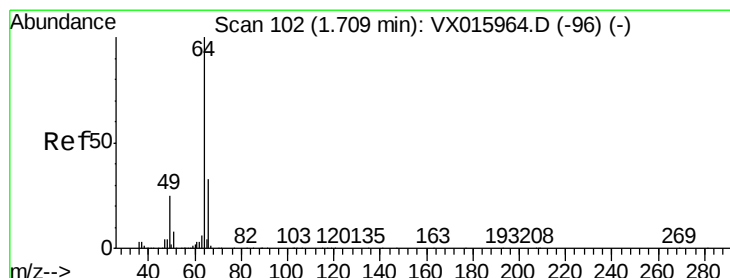
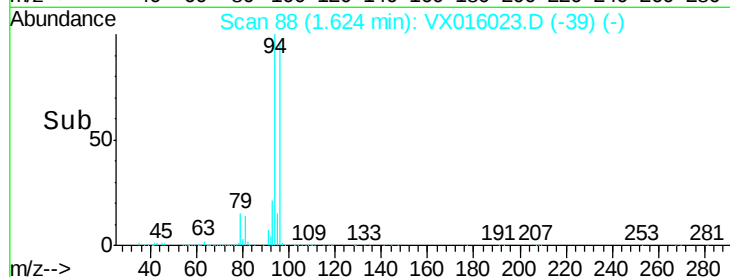
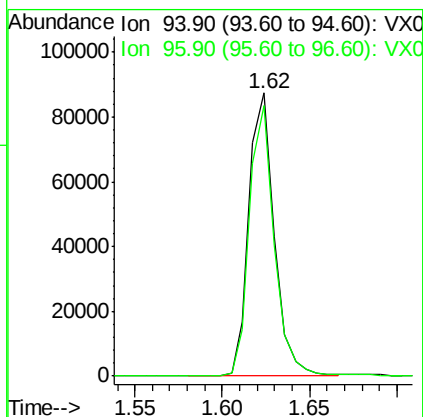
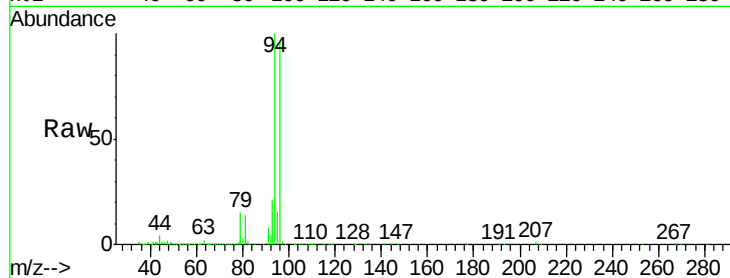
94 100

96 95.6 74.9 112.3

Manual Integrations  
APPROVED

MMDadoda

5/4/2020 2:20:03 PM



#6

Chloroethane

Concen: 50.515 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016023.D

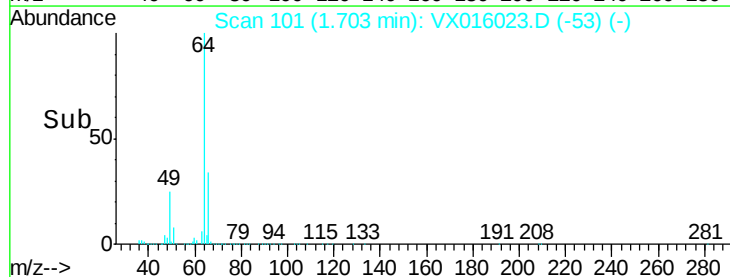
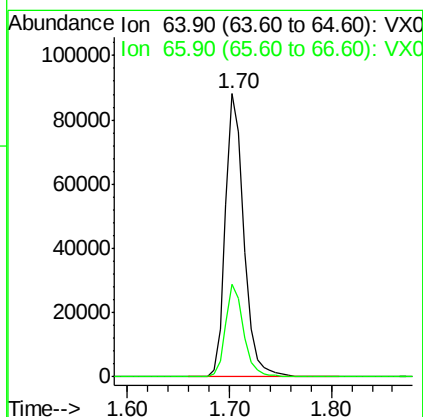
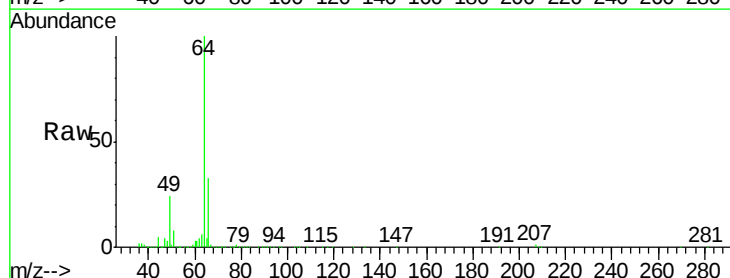
Acq: 01 May 2020 19:41

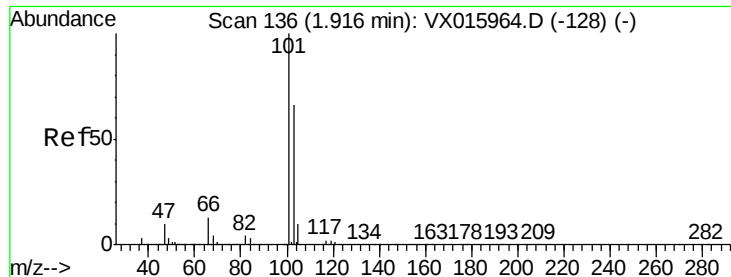
Tgt Ion: 64 Resp: 110833

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.2





#7

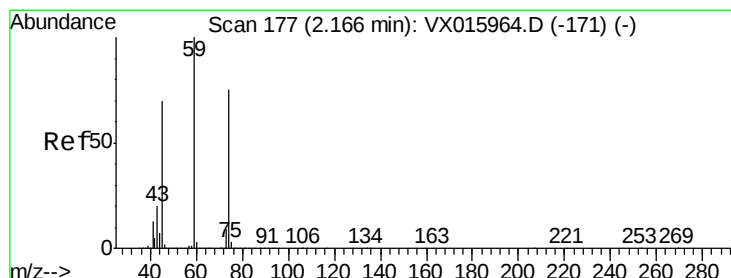
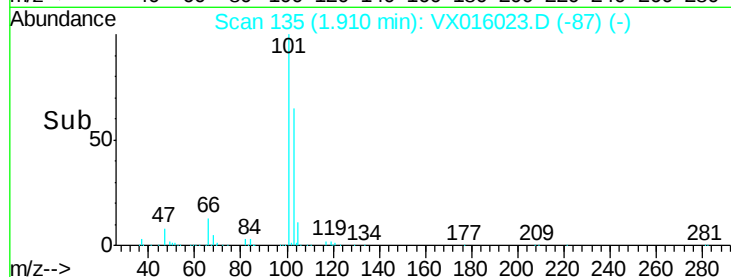
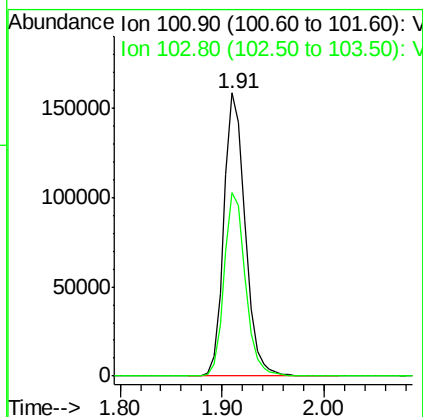
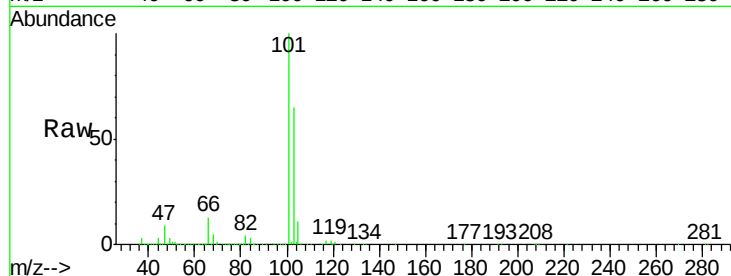
Trichlorofluoromethane  
Concen: 46.000 ug/l  
RT: 1.91 min Scan# 135  
Delta R.T. -0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 229336 |       |       |
| 103     | 65.0  | 52.4   | 78.6  |       |

Manual Integrations  
APPROVED

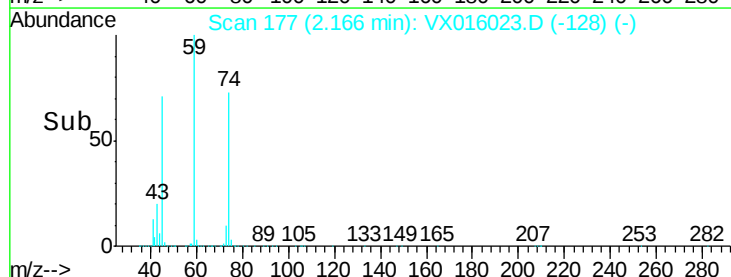
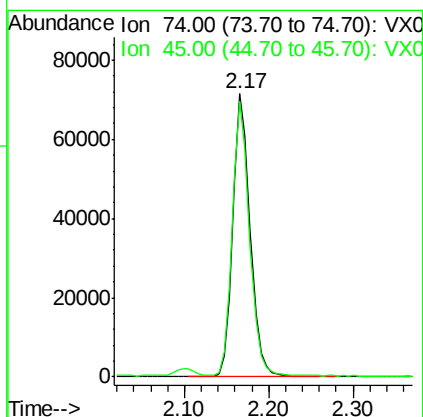
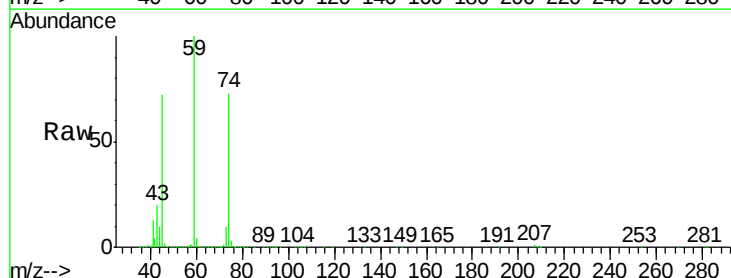
MMDadoda  
5/4/2020 2:20:03 PM

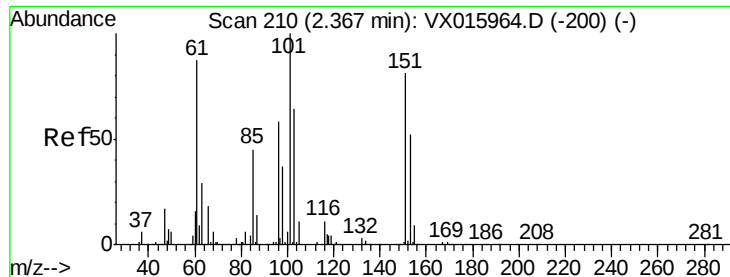


#8

Diethyl Ether  
Concen: 48.282 ug/l  
RT: 2.17 min Scan# 177  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 74      | 100   | 100492 |       |       |
| 45      | 96.3  | 47.1   | 141.3 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.729 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

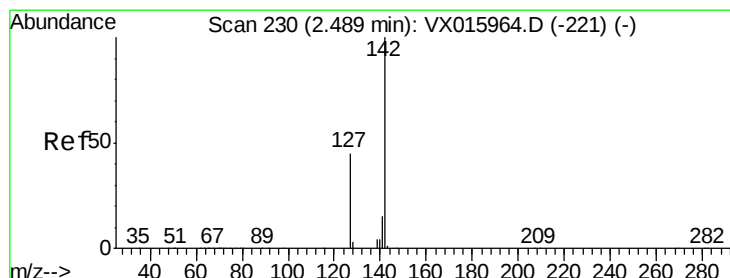
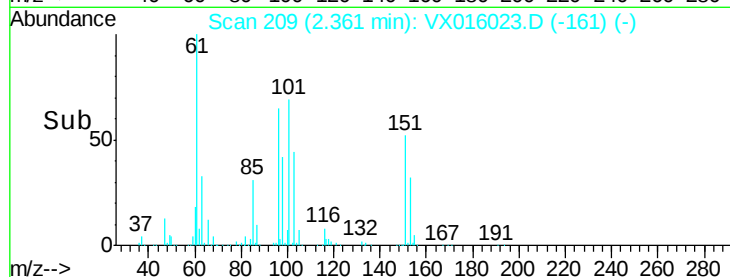
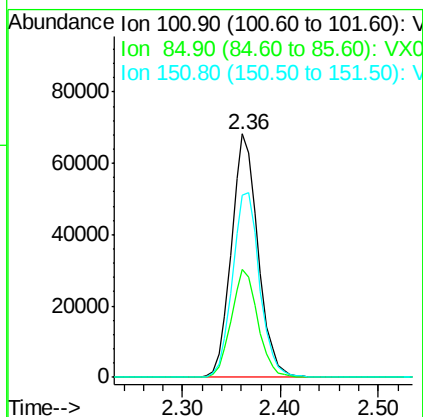
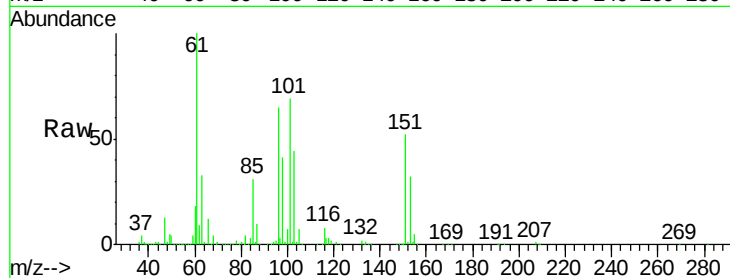
ClientSampleId :

SA-PZ191I-20200429MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 128554 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.2  | 36.3  | 54.5   |
| 151       | 77.7  | 63.1  | 94.7   |

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#10

Methyl Iodide

Concen: 49.062 ug/l

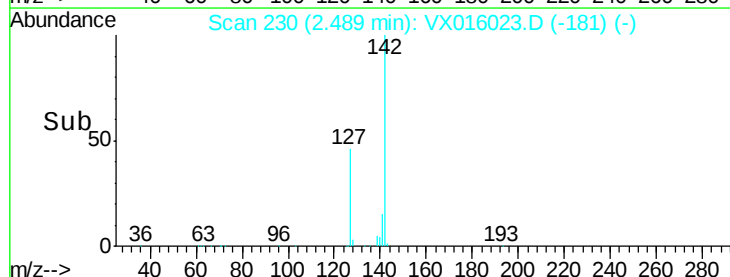
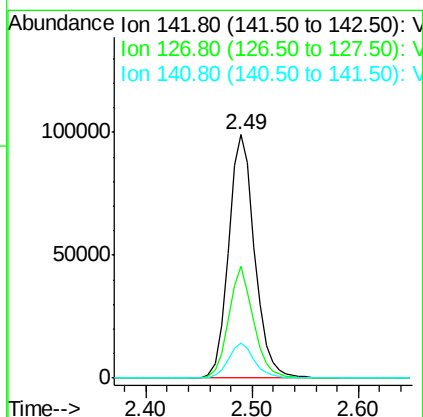
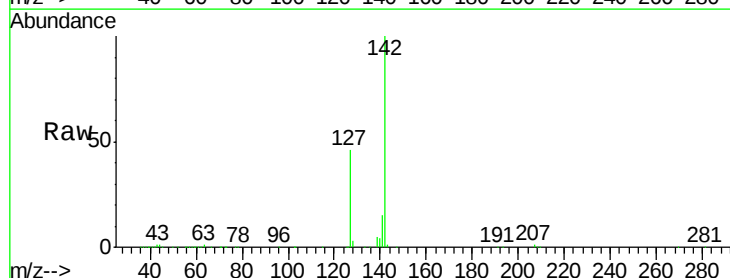
RT: 2.49 min Scan# 230

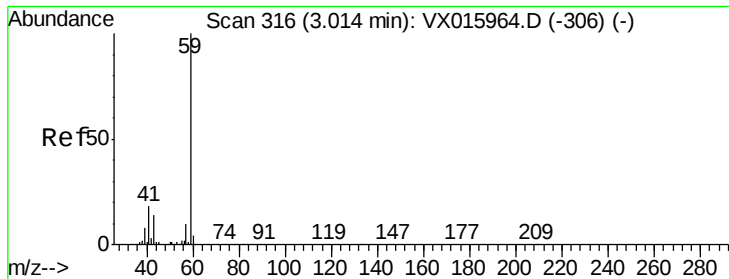
Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 170085 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 44.1  | 36.5  | 54.7   |
| 141       | 14.4  | 11.6  | 17.4   |





#11

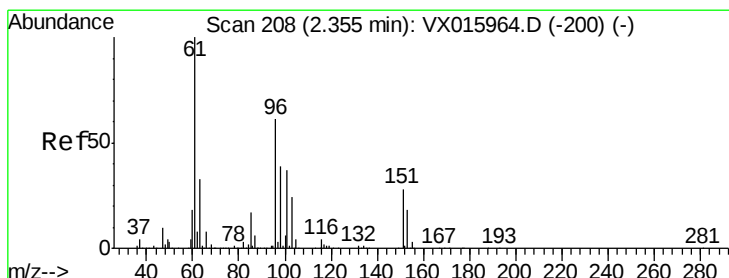
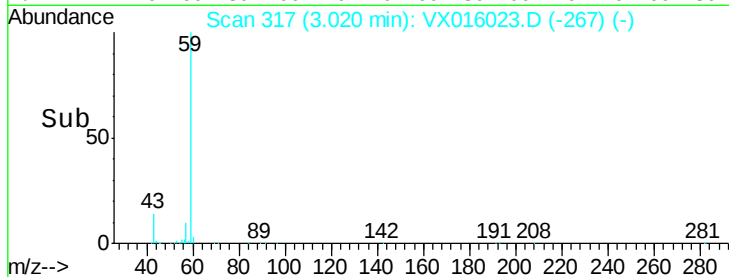
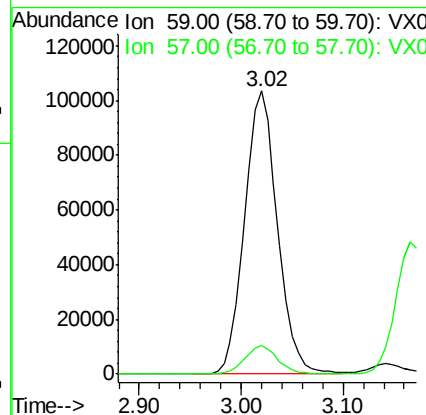
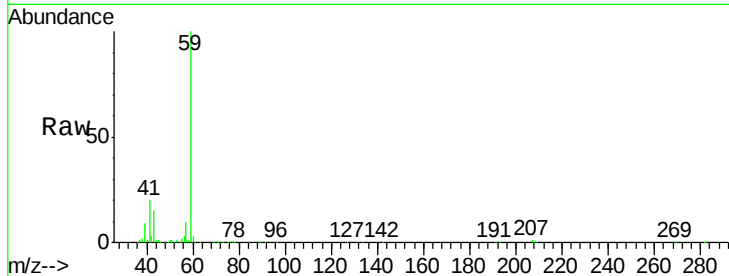
Tert butyl alcohol  
Concen: 272.435 ug/l  
RT: 3.02 min Scan# 317  
Delta R.T. 0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.3   | 12.5  |

Manual Integrations  
APPROVED

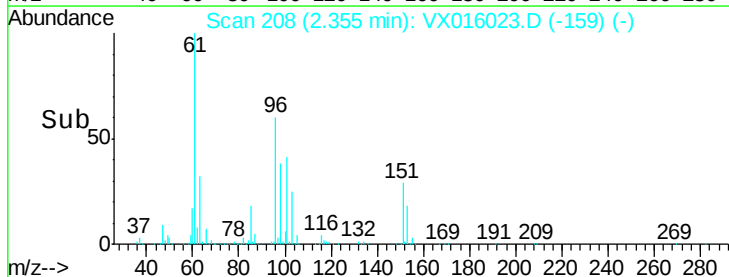
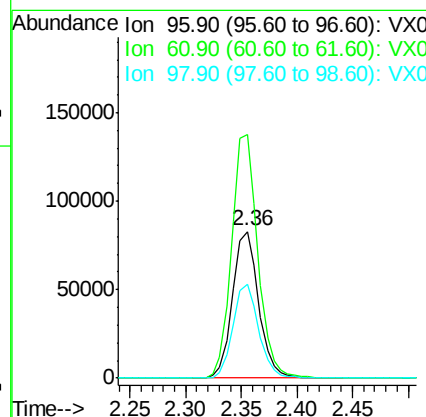
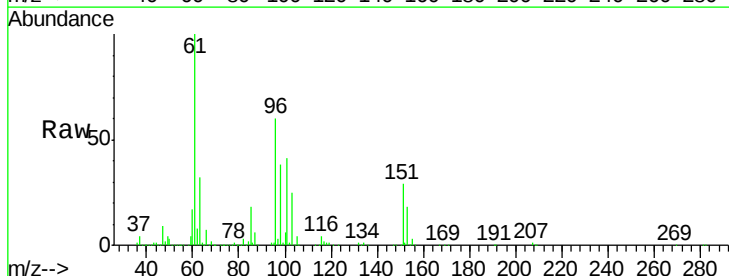
MMDadoda  
5/4/2020 2:20:03 PM

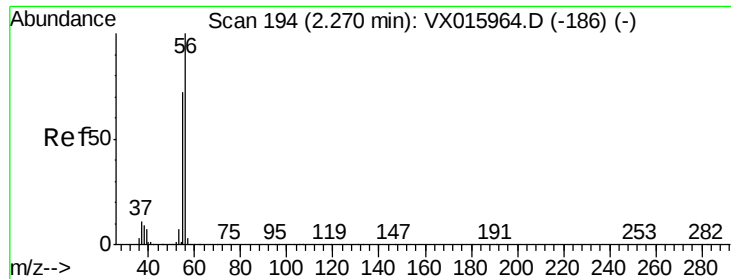


#12

1,1-Dichloroethene  
Concen: 52.248 ug/l  
RT: 2.36 min Scan# 208  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 166.5 | 131.0 | 196.4 |
| 98      | 63.9  | 50.7  | 76.1  |





#13

Acrolein

Concen: 325.590 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Tot Ion: 56 Resp: 69548

Ion Ratio Lower Upper

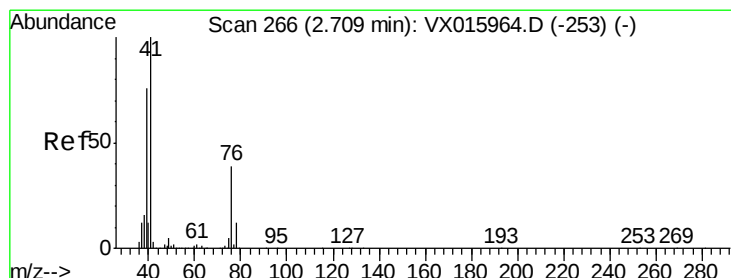
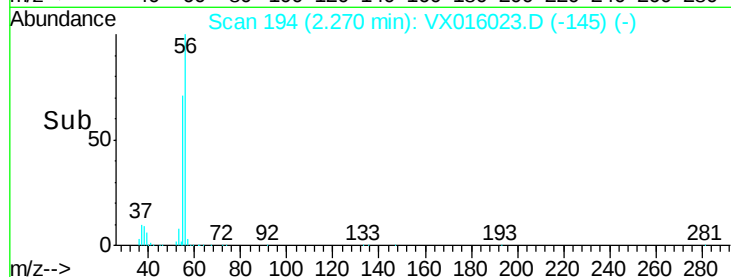
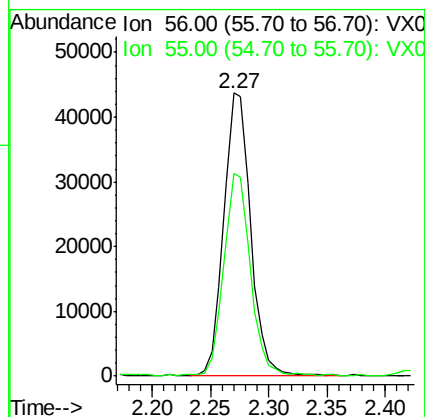
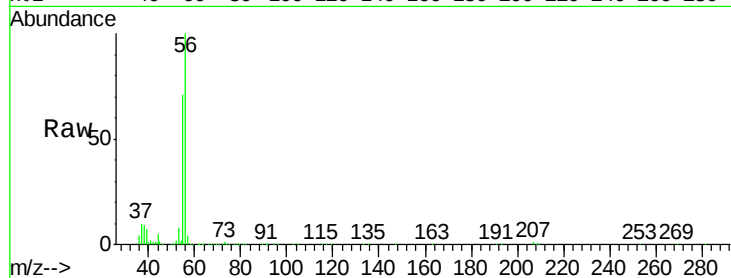
56 100

55 70.6 56.9 85.3

Manual Integrations  
APPROVED

MMDadoda

5/4/2020 2:20:03 PM



#14

Allyl chloride

Concen: 53.774 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

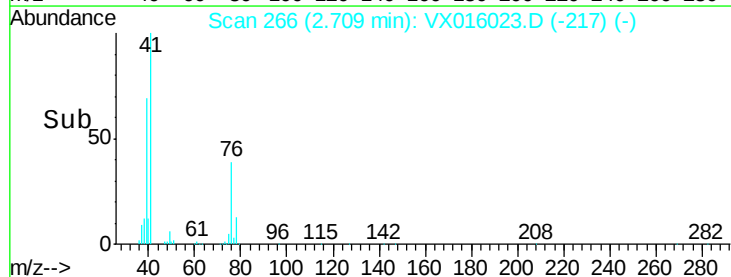
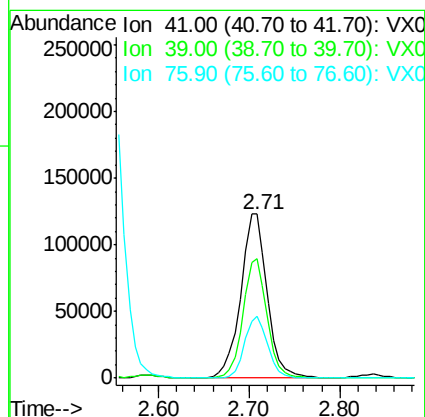
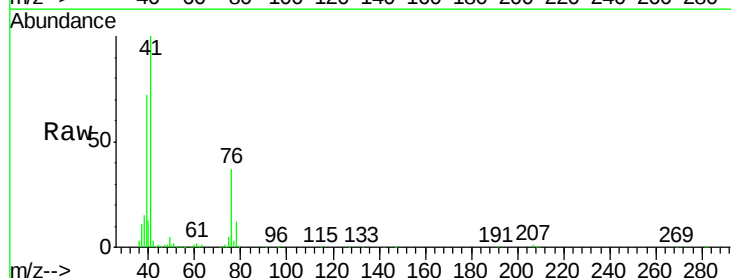
Tgt Ion: 41 Resp: 248455

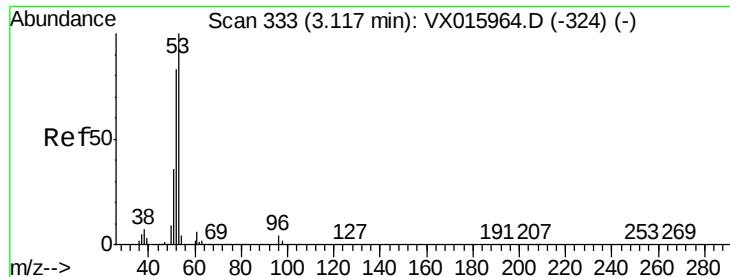
Ion Ratio Lower Upper

41 100

39 65.4 55.4 83.0

76 33.0 27.1 40.7





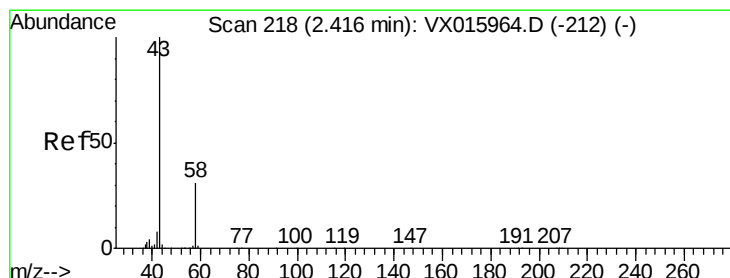
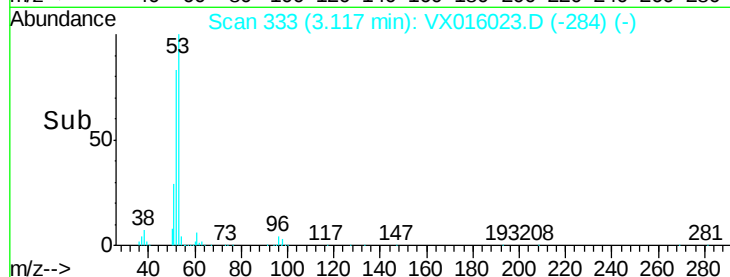
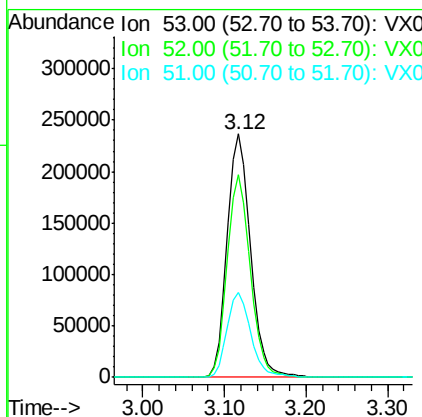
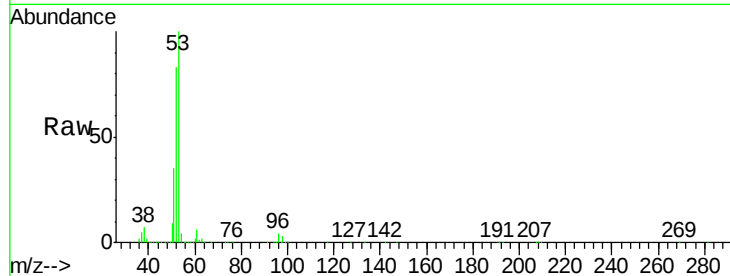
#15  
 Acrylonitrile  
 Concen: 277.665 ug/l  
 RT: 3.12 min Scan# 333  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 467957 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.0  | 65.5  | 98.3   |
| 51       | 35.7  | 28.7  | 43.1   |

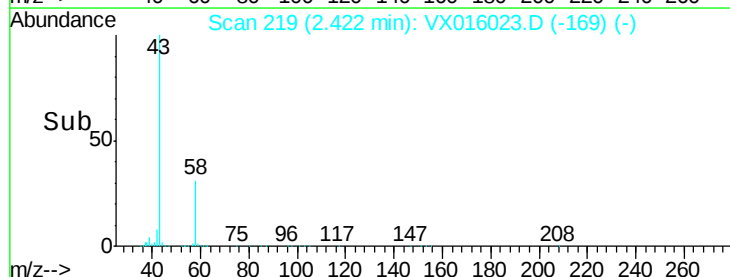
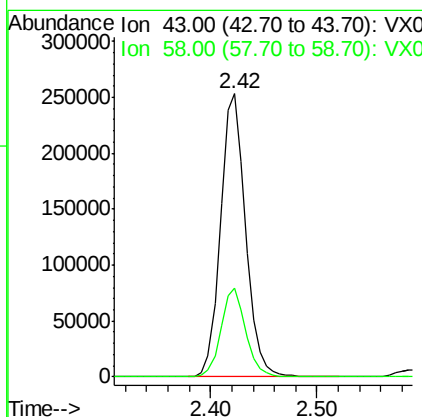
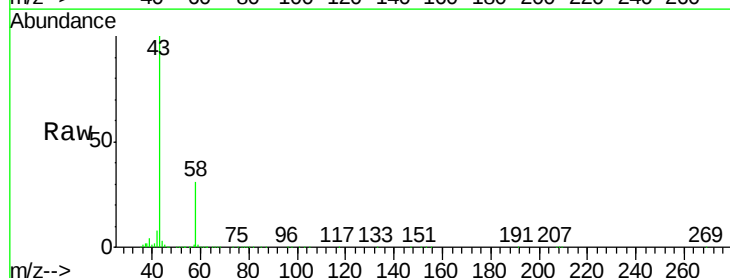
Manual Integrations  
 APPROVED

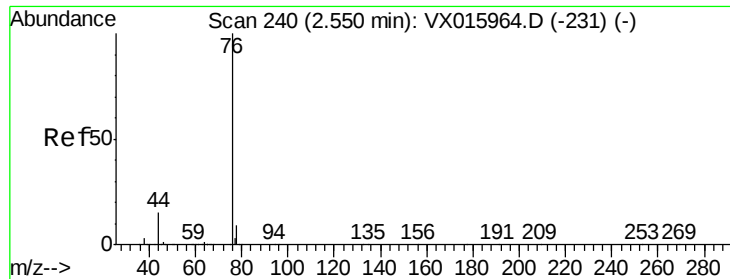
MMDadoda  
 5/4/2020 2:20:03 PM



#16  
 Acetone  
 Concen: 275.866 ug/l  
 RT: 2.42 min Scan# 219  
 Delta R.T. 0.01 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 413061 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.4  | 25.1  | 37.7   |





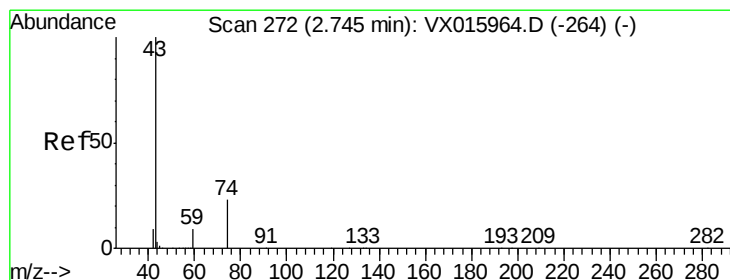
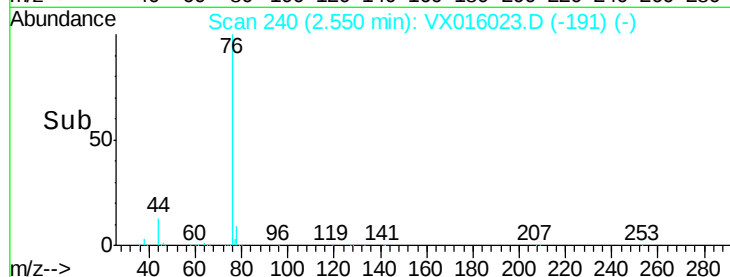
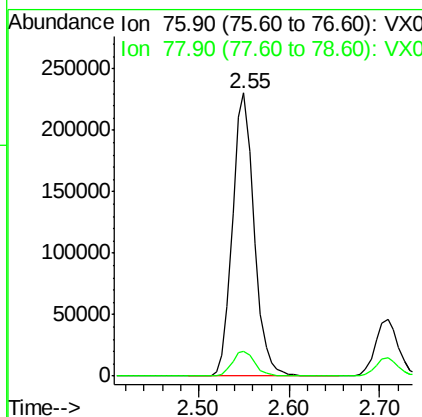
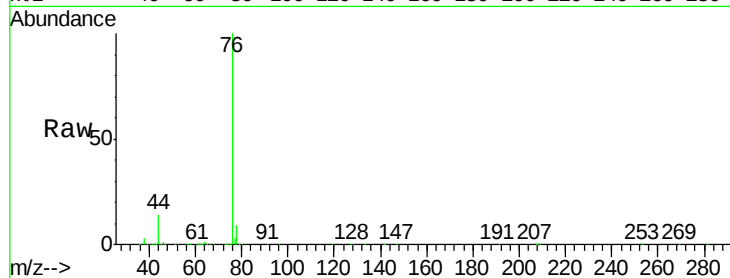
#17  
Carbon Disulfide  
Concen: 50.996 ug/l  
RT: 2.55 min Scan# 240  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.4   | 11.0  |

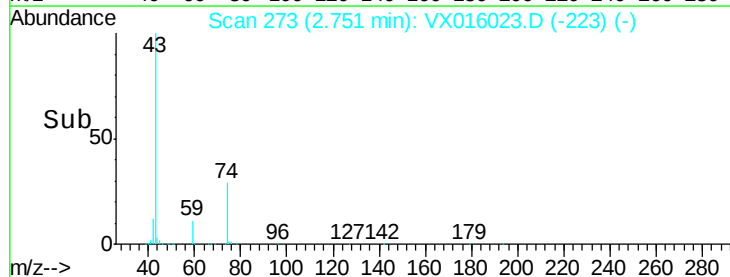
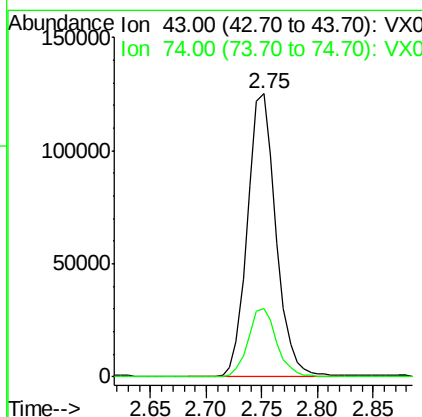
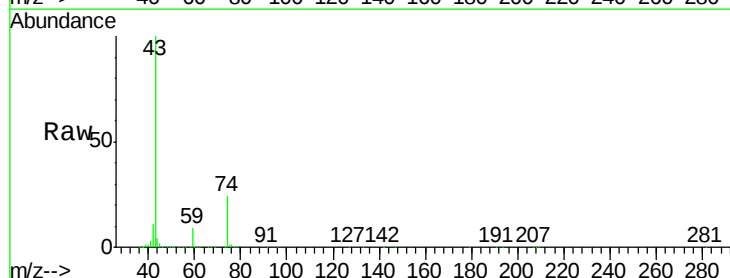
Manual Integrations  
APPROVED

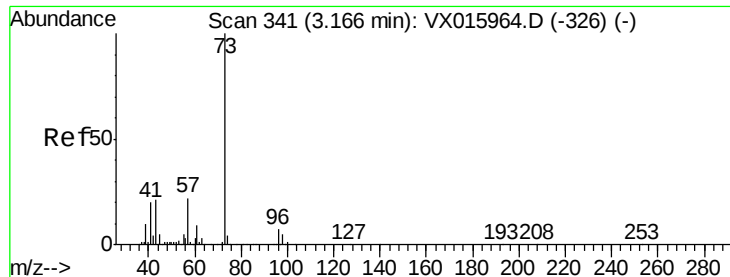
MMDadoda  
5/4/2020 2:20:03 PM



#18  
Methyl Acetate  
Concen: 52.398 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. 0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.6  | 19.6  | 29.4  |





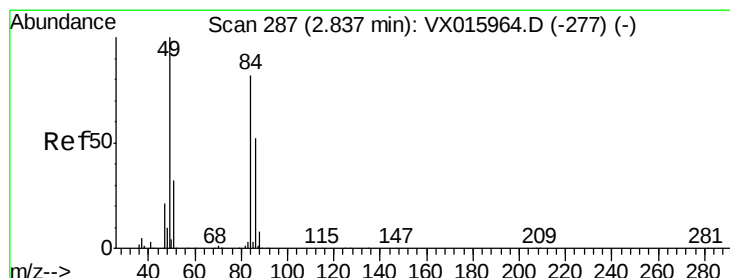
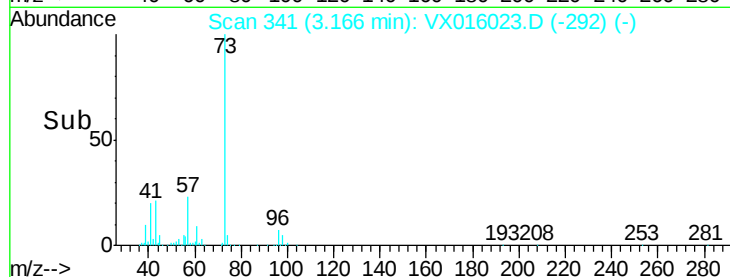
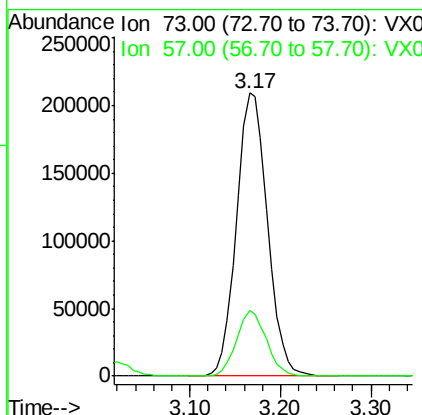
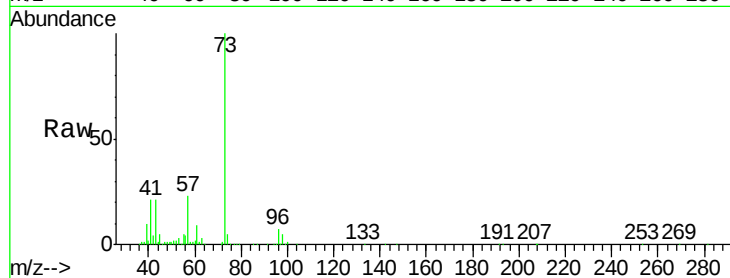
#19  
Methvl tert-butvl Ether  
Concen: 53.293 ug/l  
RT: 3.17 min Scan# 341  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.1  | 17.5  | 26.3  |

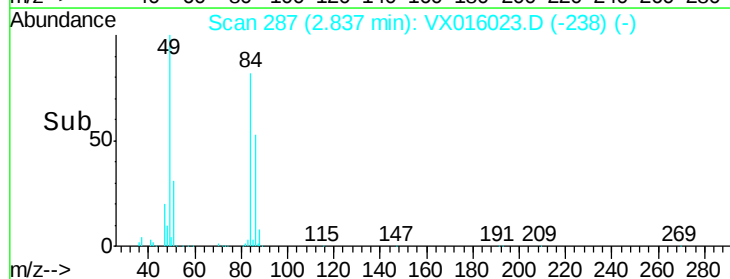
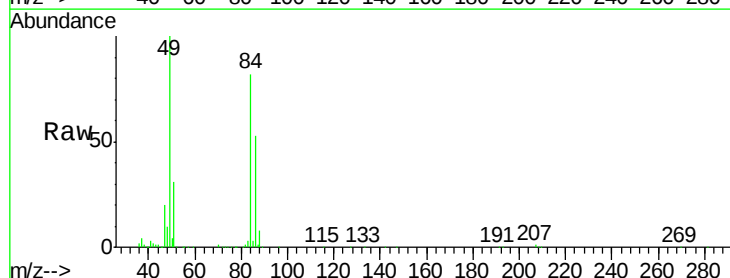
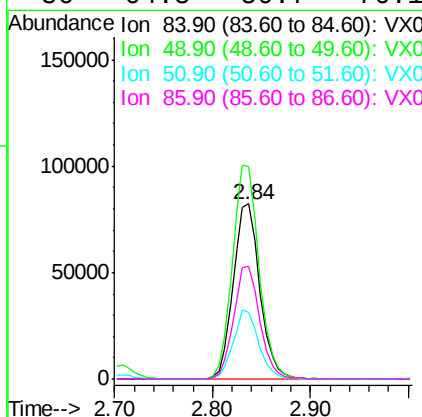
Manual Integrations  
APPROVED

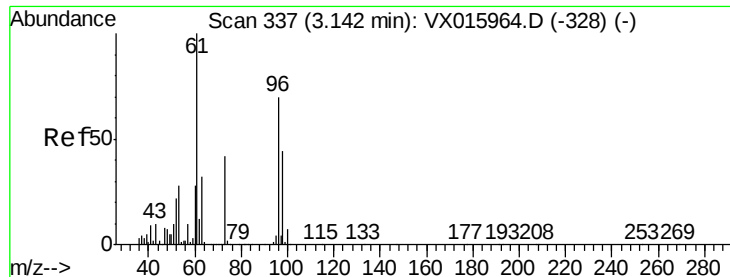
MMDadoda  
5/4/2020 2:20:03 PM



#20  
Methylene Chloride  
Concen: 52.288 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 121.6 | 97.9  | 146.9 |
| 51      | 38.0  | 31.2  | 46.8  |
| 86      | 64.5  | 50.7  | 76.1  |





#21

trans-1,2-Dichloroethene

Concen: 50.322 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

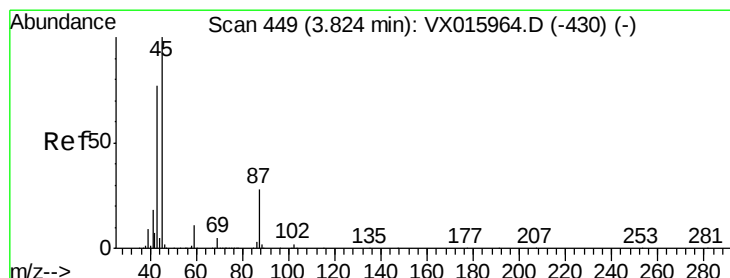
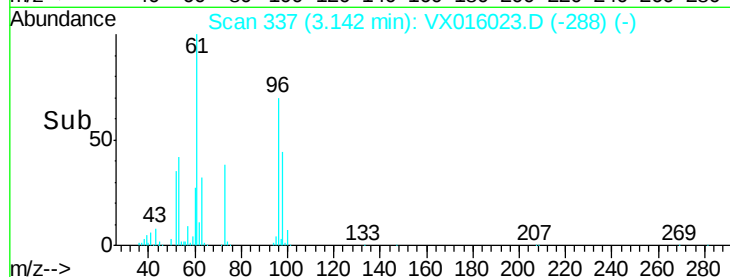
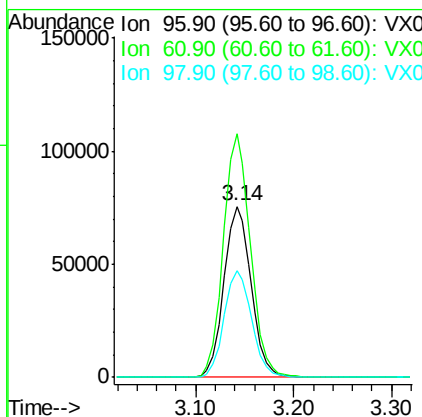
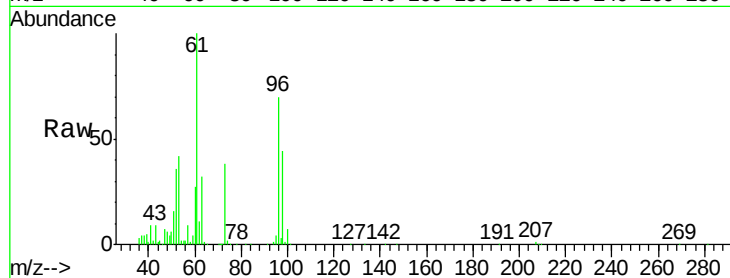
ClientSampleId :

SA-PZ191I-20200429MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 145318 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 142.4 | 113.6 | 170.4  |
| 98        | 62.7  | 50.3  | 75.5   |

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#22

Diisopropyl ether

Concen: 54.273 ug/l

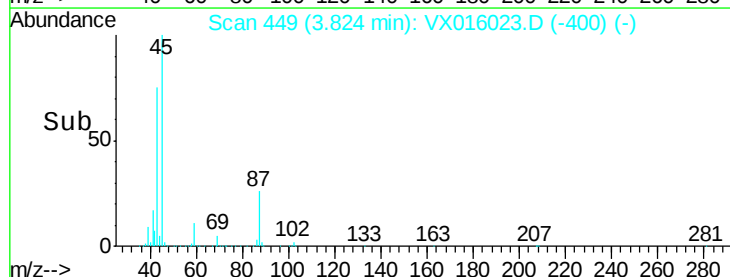
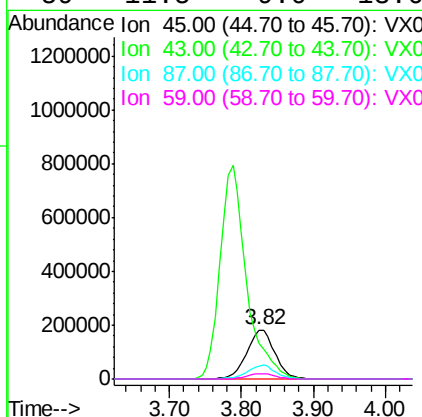
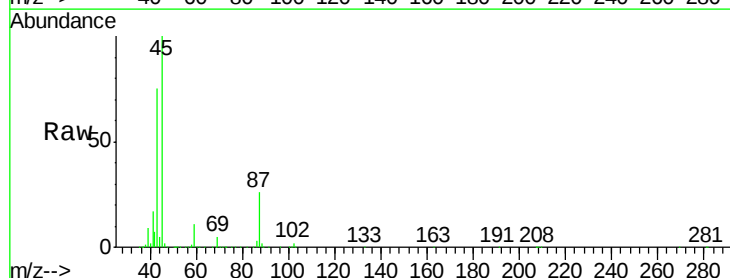
RT: 3.82 min Scan# 449

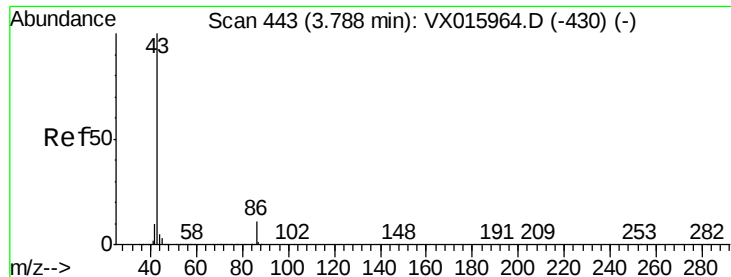
Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 492999 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 74.6  | 61.3  | 91.9   |
| 87        | 26.4  | 22.6  | 33.8   |
| 59        | 11.5  | 9.0   | 13.6   |





#23

Vinyl Acetate

Concen: 256.428 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Tot Ion: 43 Resp: 2023413

Ion Ratio Lower Upper

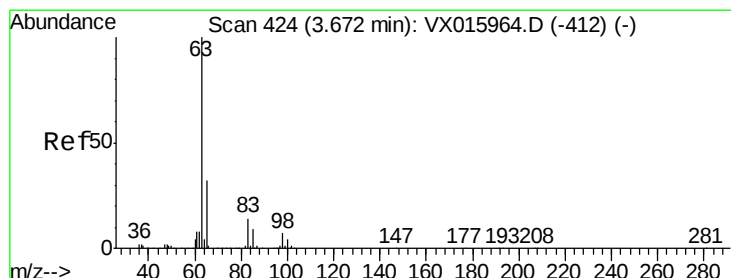
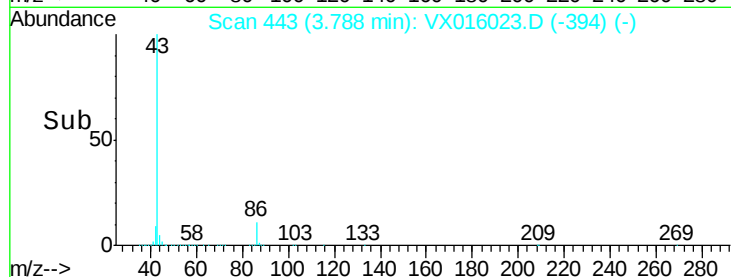
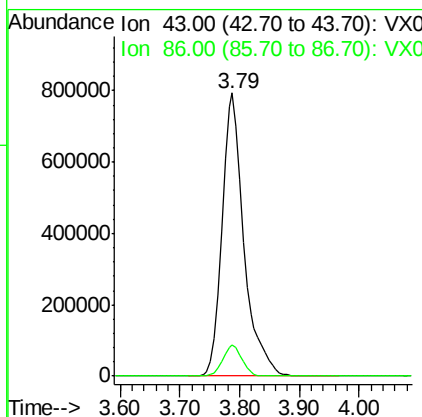
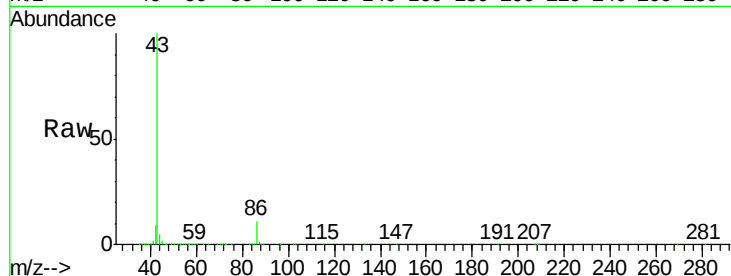
43 100

86 11.1 8.9 13.3

Manual Integrations  
APPROVED

MMDadoda

5/4/2020 2:20:03 PM



#24

1,1-Dichloroethane

Concen: 58.879 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

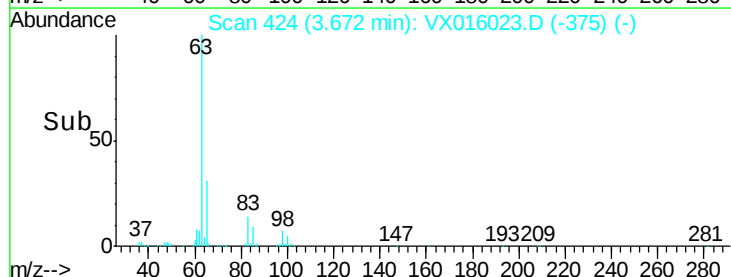
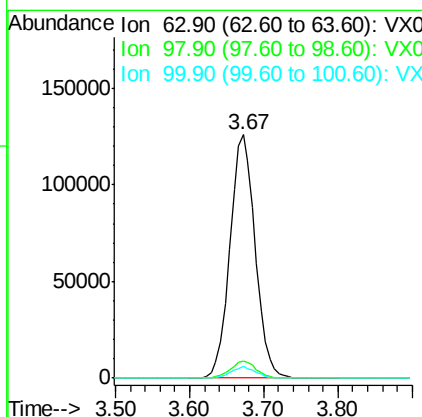
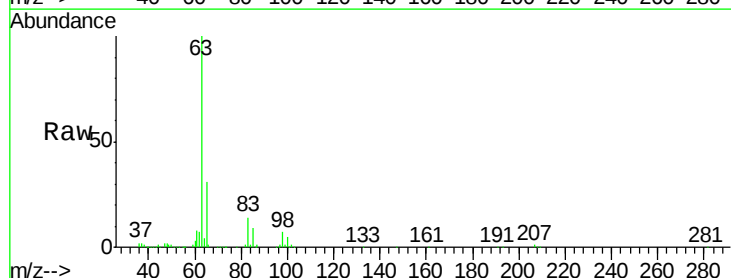
Tgt Ion: 63 Resp: 297940

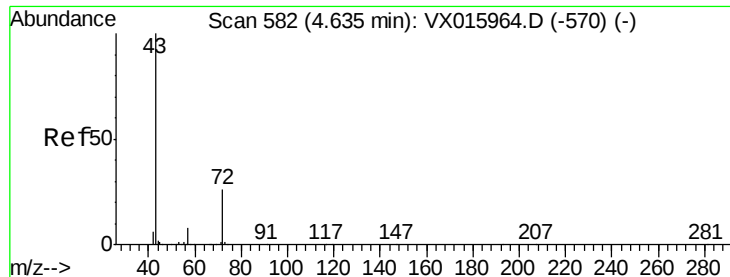
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 4.8 2.2 6.6





#25

2-Butanone

Concen: 275.190 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Tot Ion: 43 Resp: 667717

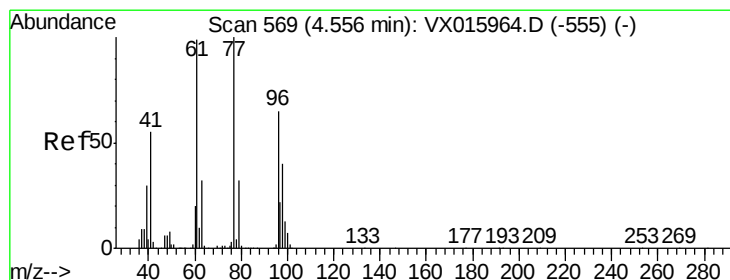
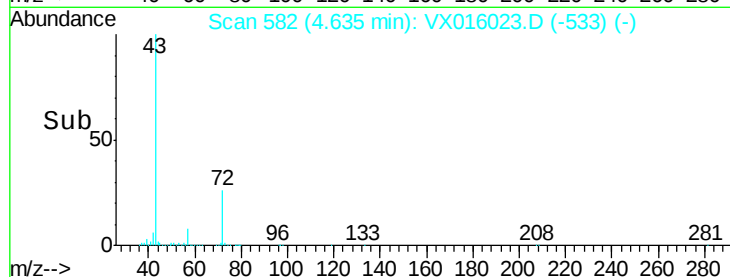
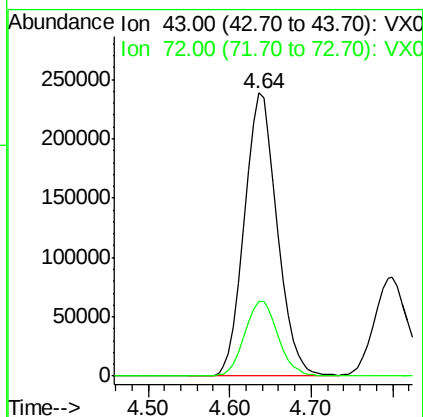
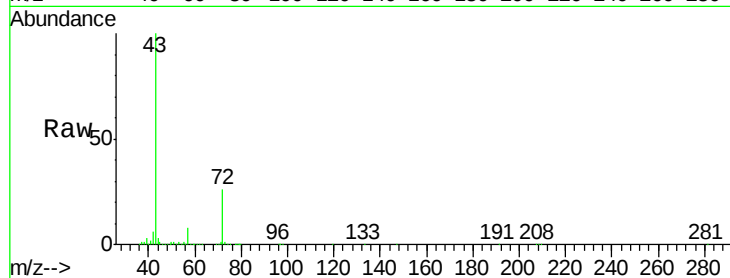
Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.4

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#26

2,2-Dichloropropane

Concen: 47.415 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VX016023.D

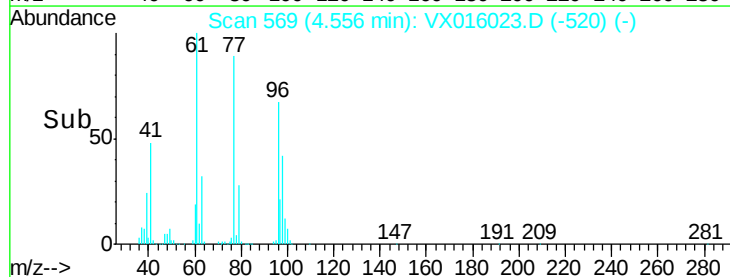
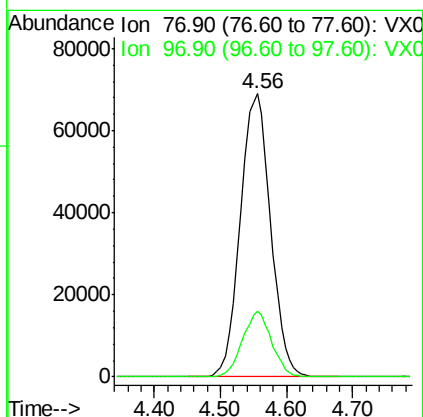
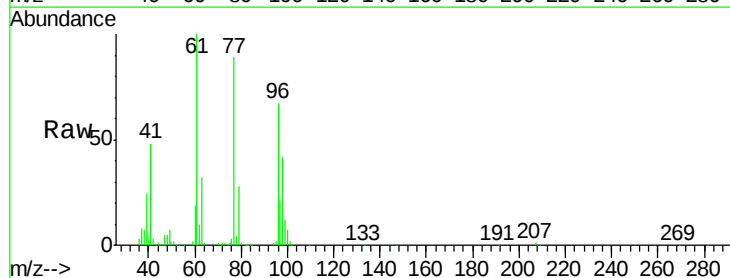
Acq: 01 May 2020 19:41

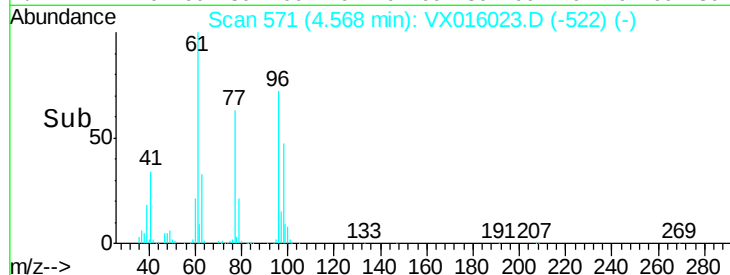
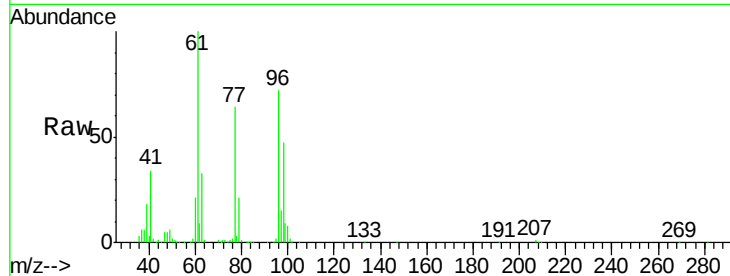
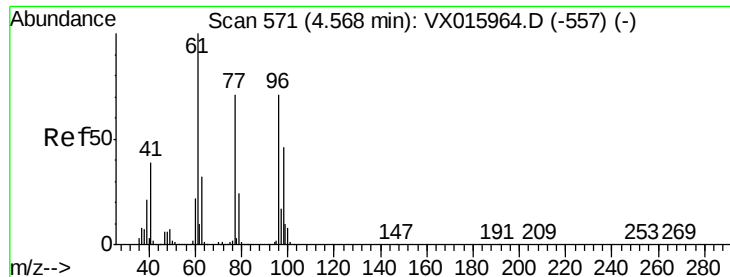
Tgt Ion: 77 Resp: 219374

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

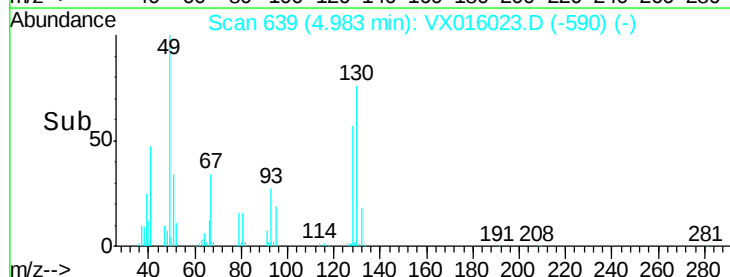
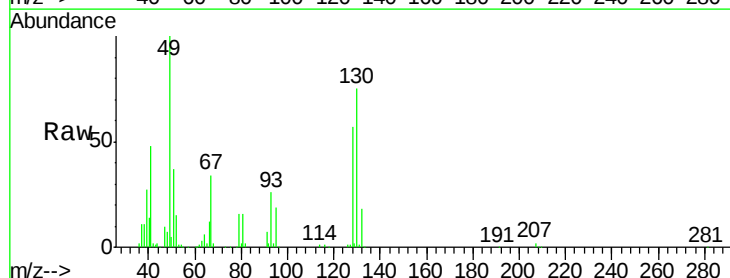
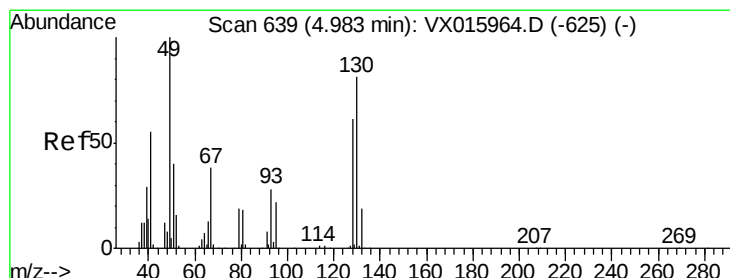
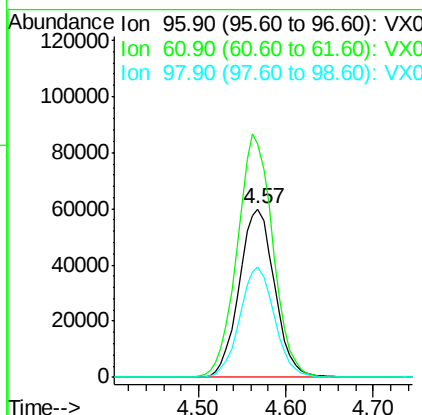
cis-1,2-Dichloroethene  
Concen: 51.483 ug/l  
RT: 4.57 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 168710 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 145.6 | 0.0   | 294.2  |
| 98        | 64.1  | 0.0   | 127.4  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

Manual Integrations  
APPROVED

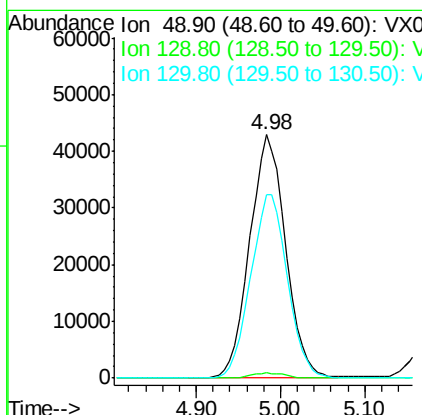
MMDadoda  
5/4/2020 2:20:03 PM

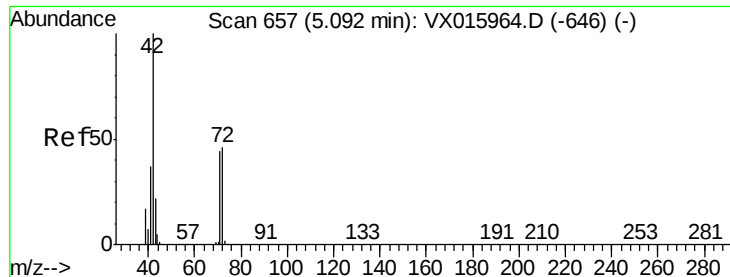


#28

Bromochloromethane  
Concen: 51.085 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 125091 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 2.1   | 0.0   | 4.6    |
| 130       | 77.1  | 63.9  | 95.9   |





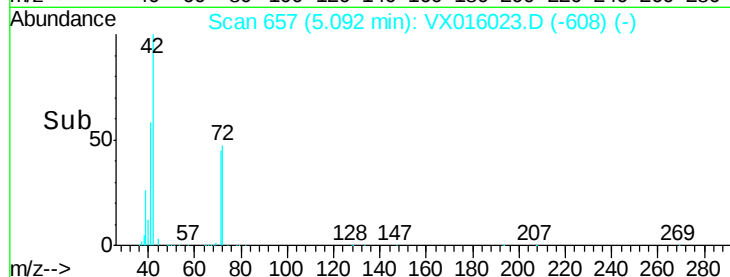
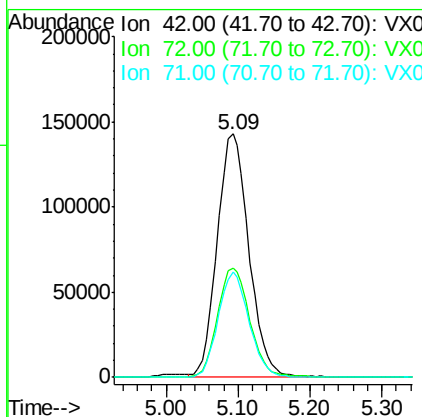
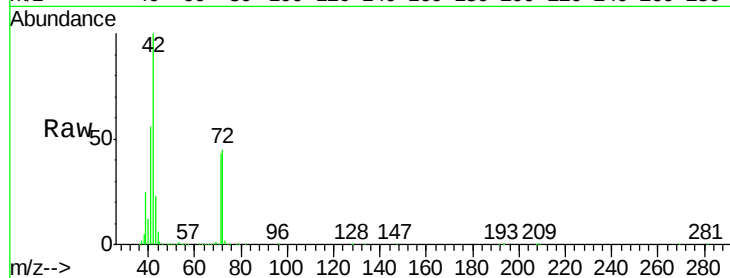
#29  
Tetrahydrofuran  
Concen: 274.252 ug/l  
RT: 5.09 min Scan# 657  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 42      | 100   | 436101 |       |       |
| 72      | 46.0  |        | 37.4  | 56.0  |
| 71      | 42.2  |        | 34.6  | 52.0  |

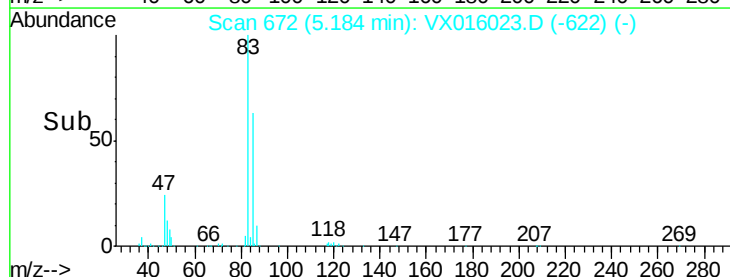
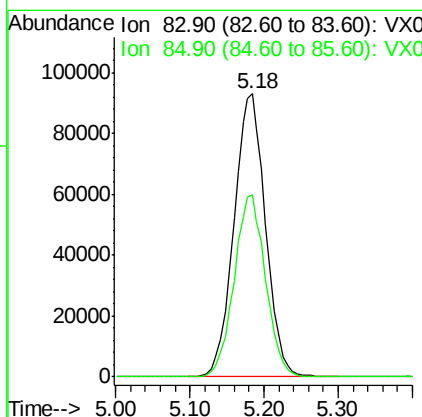
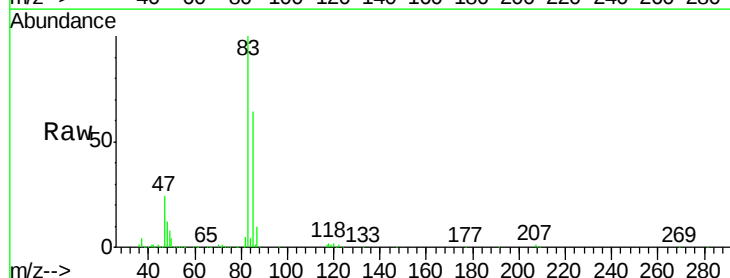
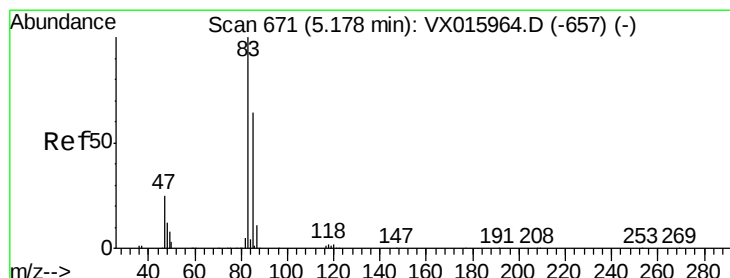
Manual Integrations  
APPROVED

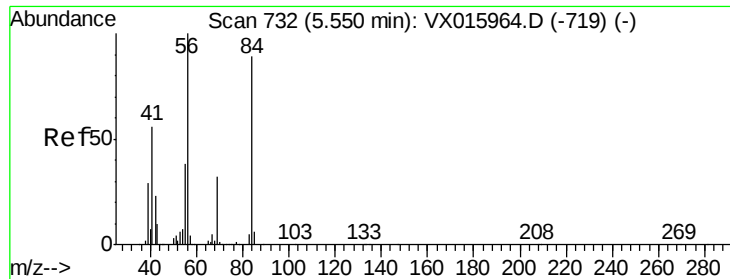
MMDadoda  
5/4/2020 2:20:03 PM



#30  
Chloroform  
Concen: 52.316 ug/l  
RT: 5.18 min Scan# 672  
Delta R.T. 0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 275277 |       |       |
| 85      | 64.2  |        | 51.0  | 76.4  |





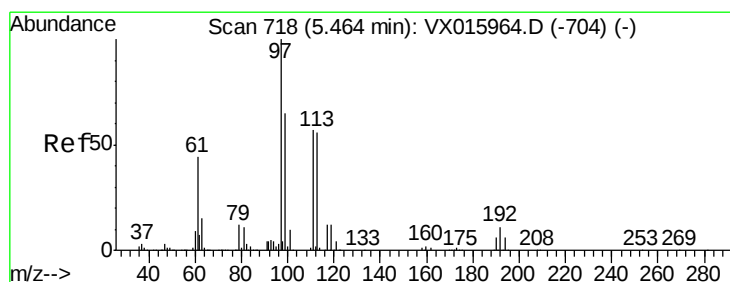
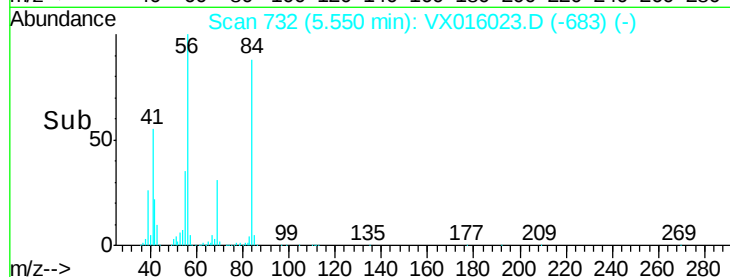
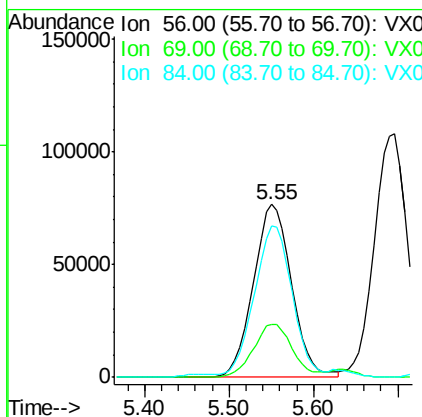
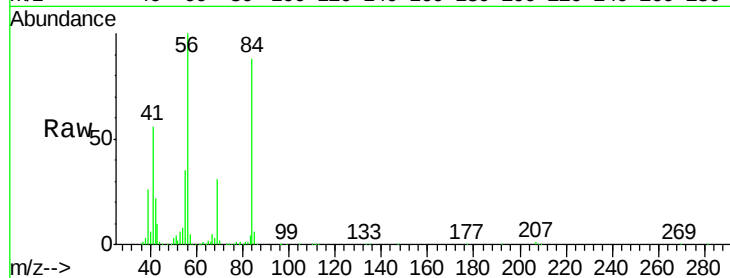
#31  
Cyclohexane  
Concen: 53.054 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.6  | 25.4  | 38.2  |
| 84      | 85.9  | 71.0  | 106.6 |

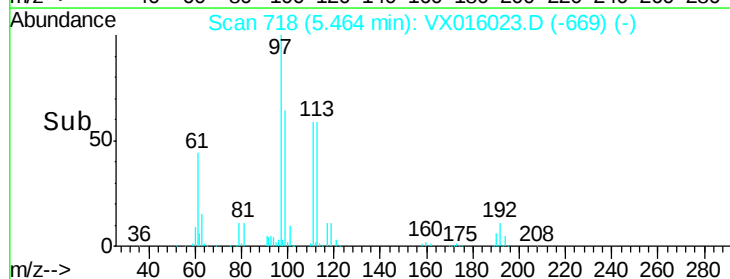
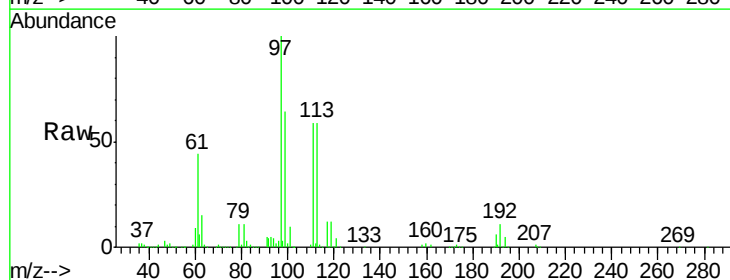
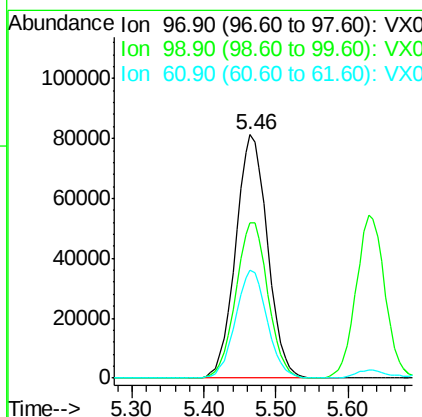
Manual Integrations  
APPROVED

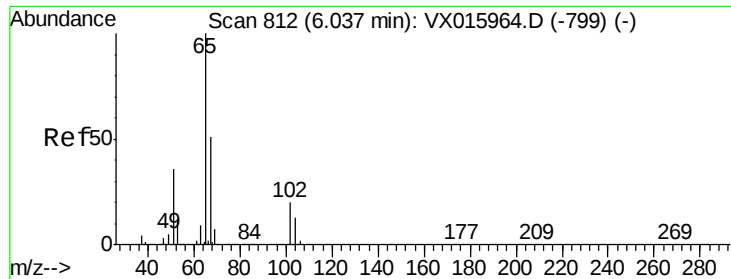
MMDadoda  
5/4/2020 2:20:03 PM



#32  
1,1,1-Trichloroethane  
Concen: 51.500 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.5  | 51.4  | 77.0  |
| 61      | 44.3  | 35.7  | 53.5  |





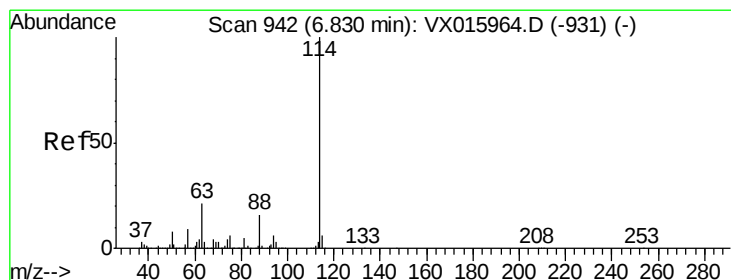
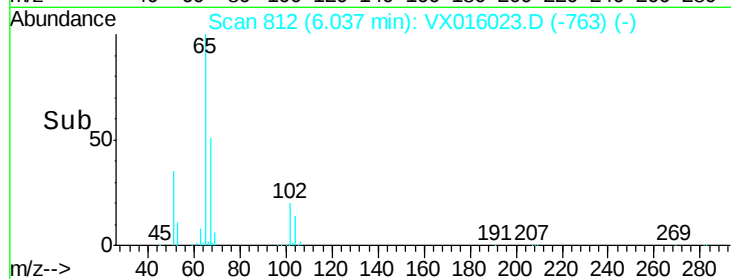
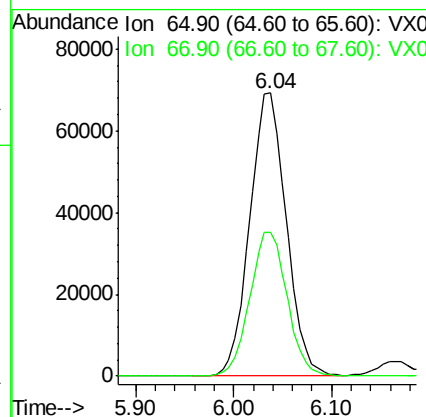
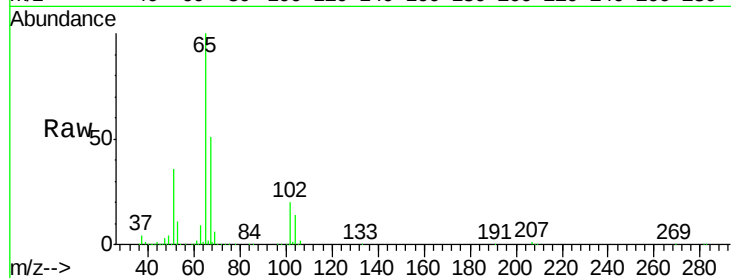
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.436 ug/l  
 RT: 6.04 min Scan# 812  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 180105 |       |       |
| 67      | 52.1  | 0.0    | 102.4 |       |

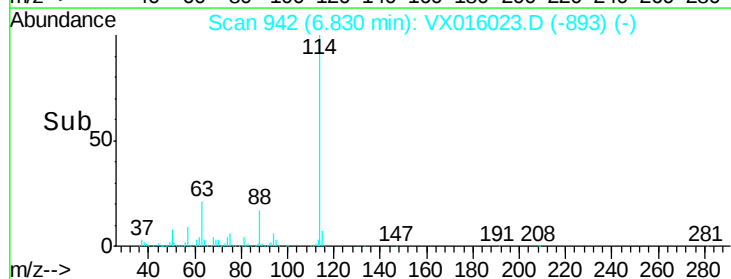
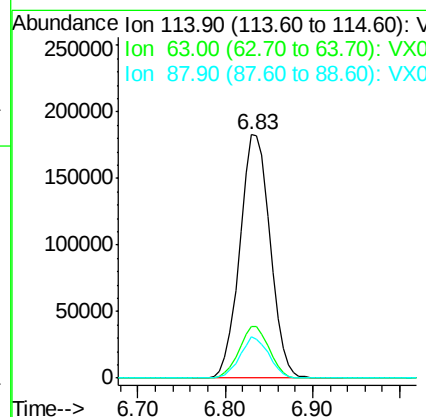
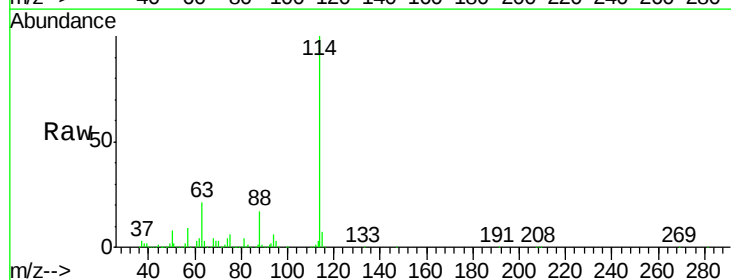
Manual Integrations  
 APPROVED

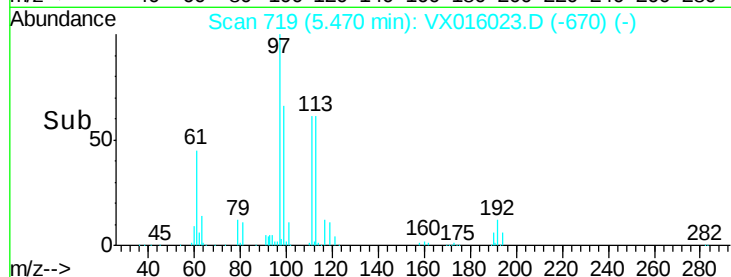
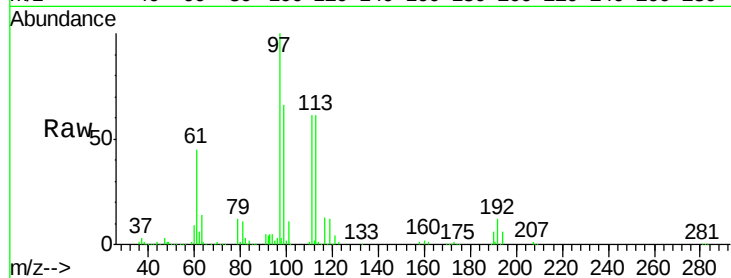
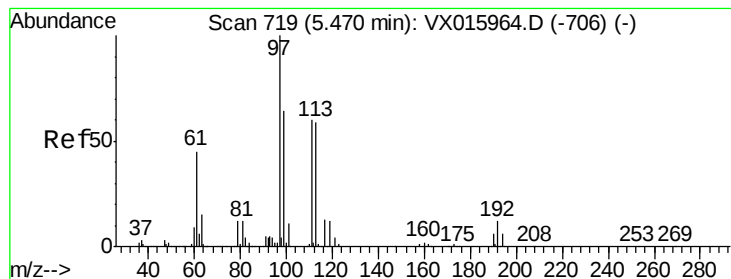
MMDadoda  
 5/4/2020 2:20:03 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 441085 |       |       |
| 63      | 21.5  | 0.0    | 41.2  |       |
| 88      | 16.7  | 0.0    | 31.8  |       |





#35

Dibromofluoromethane

Concen: 49.674 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 136678 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.0 | 81.8  | 122.8  |
| 192       | 20.8  | 16.8  | 25.2   |

Instrument :

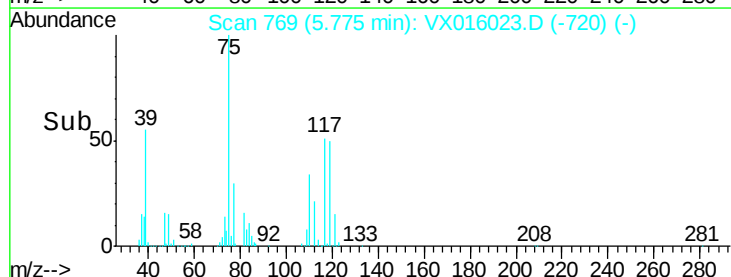
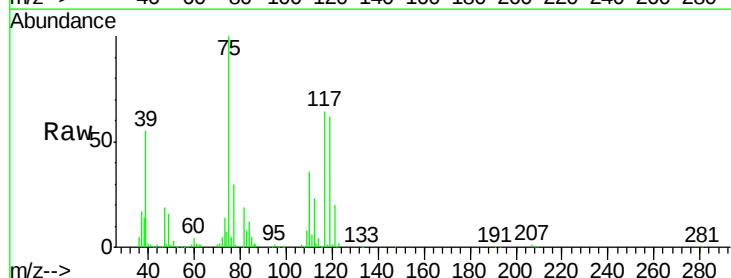
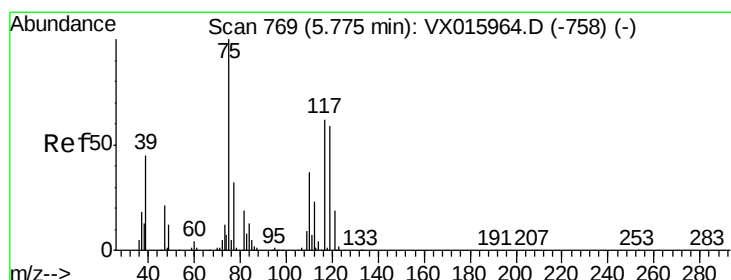
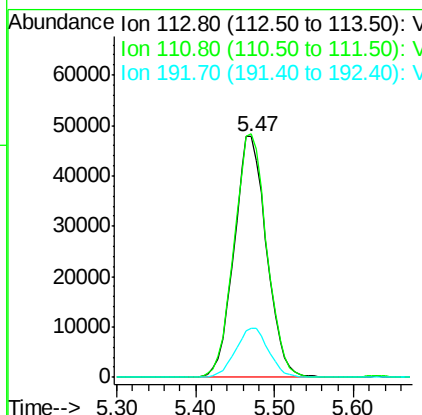
MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#36

1,1-Dichloropropene

Concen: 47.944 ug/l

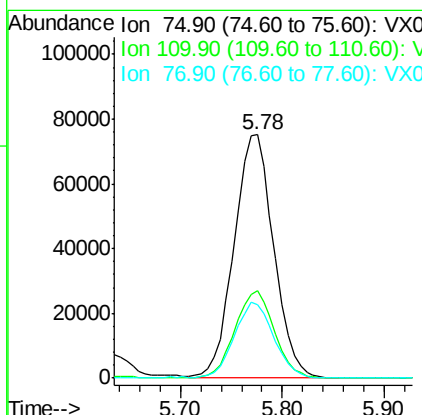
RT: 5.78 min Scan# 769

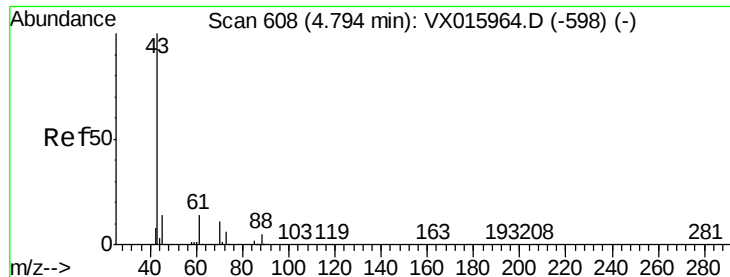
Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 201415 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 35.8  | 17.9  | 53.7   |
| 77        | 31.2  | 25.2  | 37.8   |





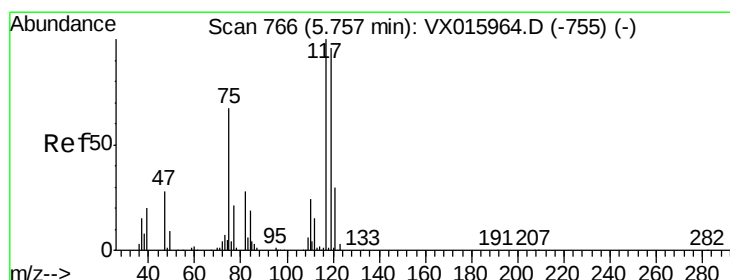
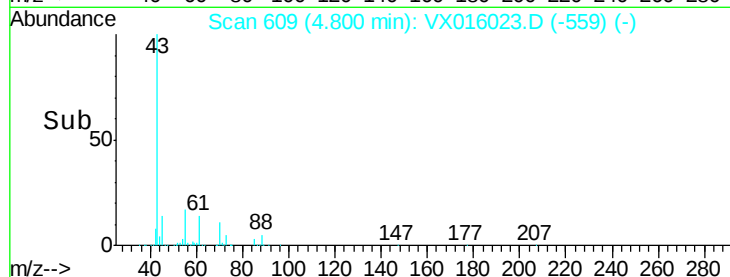
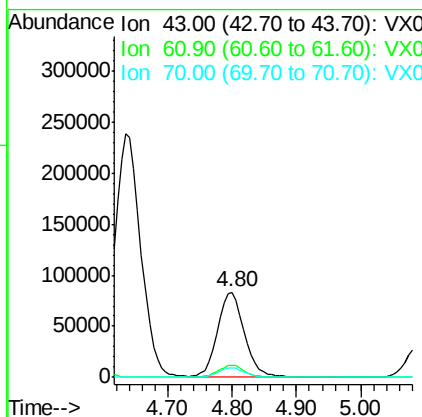
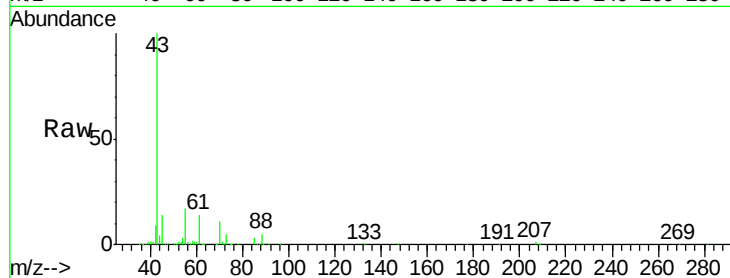
#37  
Ethyl Acetate  
Concen: 50.639 ug/l  
RT: 4.80 min Scan# 609  
Delta R.T. 0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 243940 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.3  | 11.6  | 17.4   |
| 70       | 11.2  | 8.9   | 13.3   |

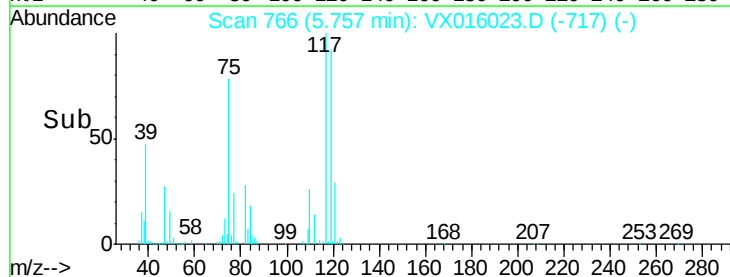
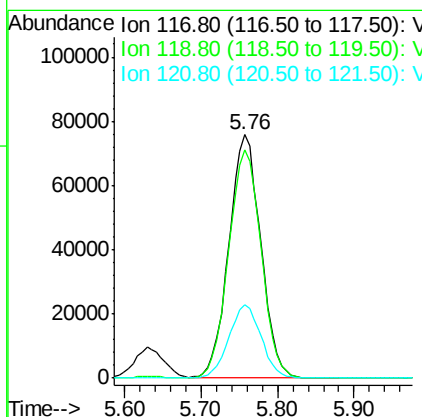
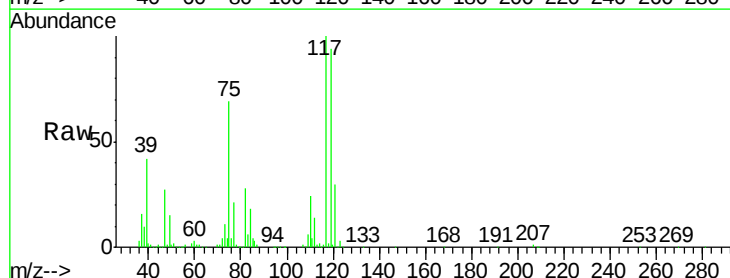
Manual Integrations  
APPROVED

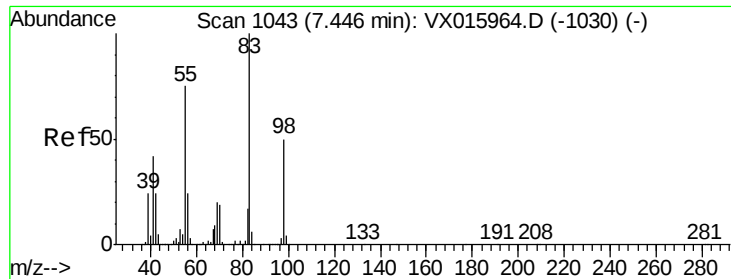
MMDadoda  
5/4/2020 2:20:03 PM



#38  
Carbon Tetrachloride  
Concen: 49.115 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 217938 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.5  | 76.2  | 114.4  |
| 121      | 30.1  | 24.2  | 36.4   |





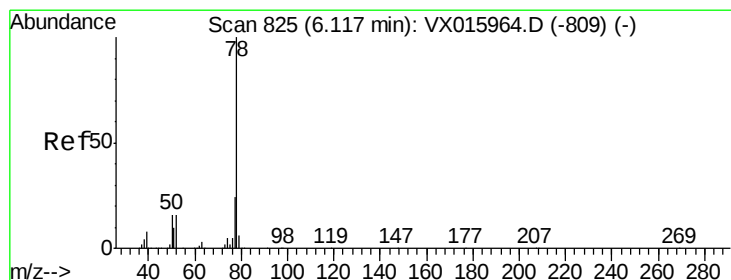
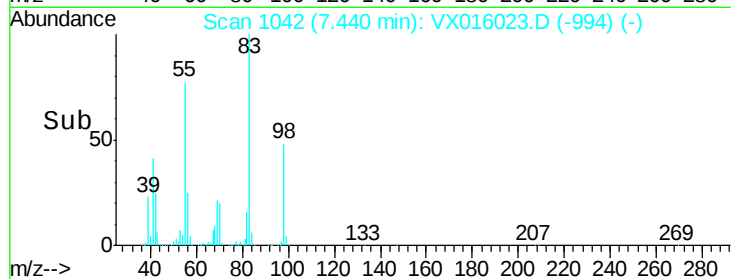
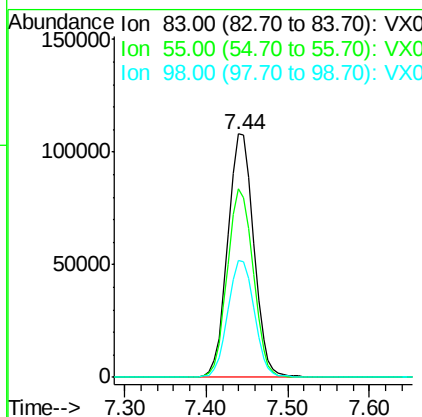
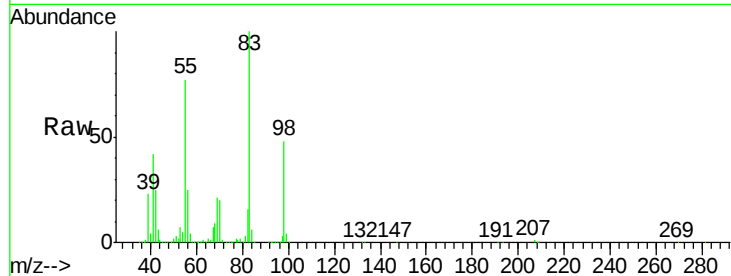
#39  
Methylvlcyclohexane  
Concen: 49.059 ug/l  
RT: 7.44 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 77.2  | 59.9 | 89.9  |       |
| 98      | 48.1  | 39.9 | 59.9  |       |

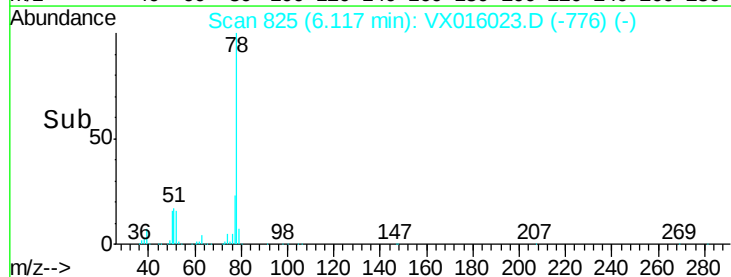
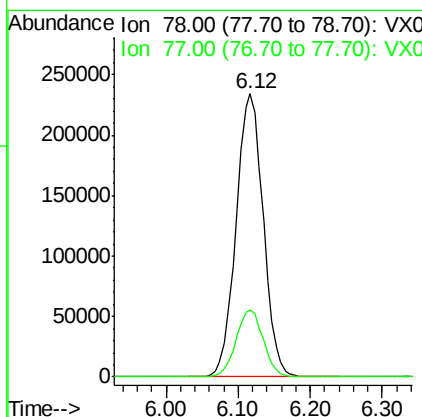
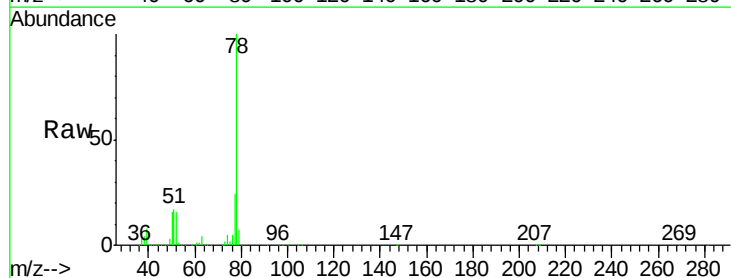
Manual Integrations  
APPROVED

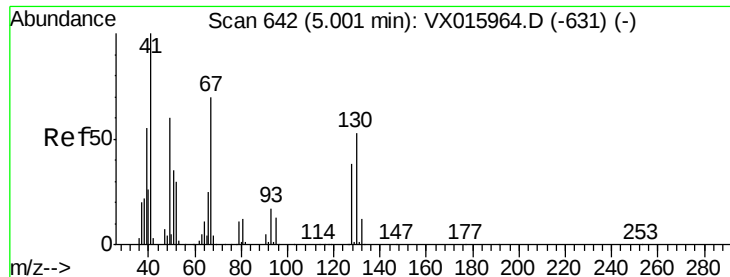
MMDadoda  
5/4/2020 2:20:03 PM



#40  
Benzene  
Concen: 50.963 ug/l  
RT: 6.12 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.7  | 18.8 | 28.2  |       |





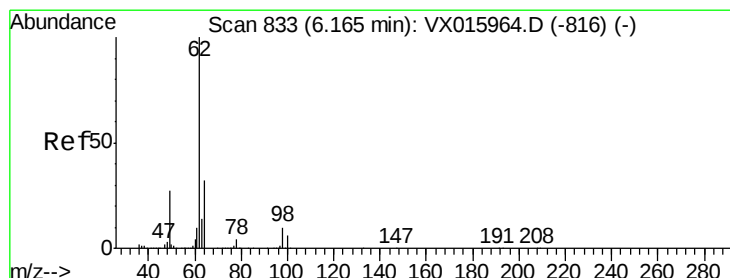
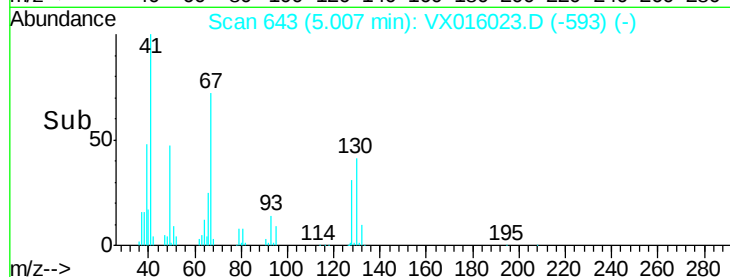
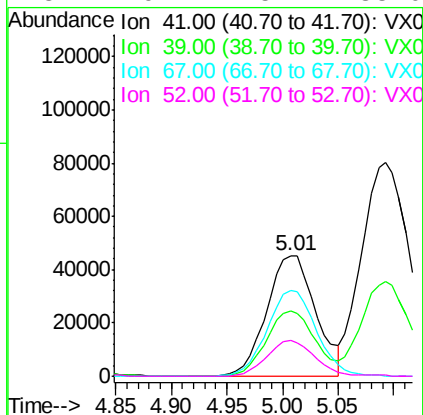
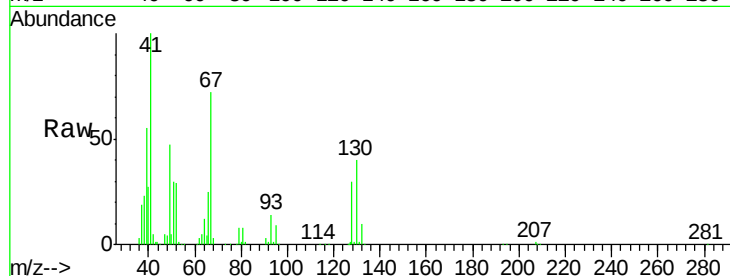
#41  
Methacrylonitrile  
Concen: 53.685 ug/l  
RT: 5.01 min Scan# 643  
Delta R.T. 0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.3 | 45.2  | 67.8  |       |
| 67      | 72.0 | 59.4  | 89.2  |       |
| 52      | 29.2 | 25.4  | 38.0  |       |

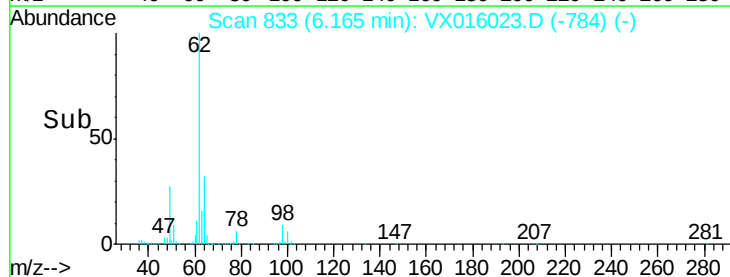
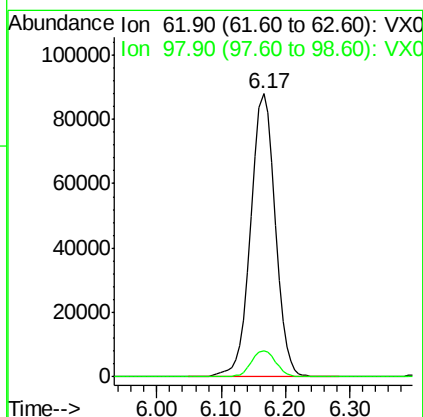
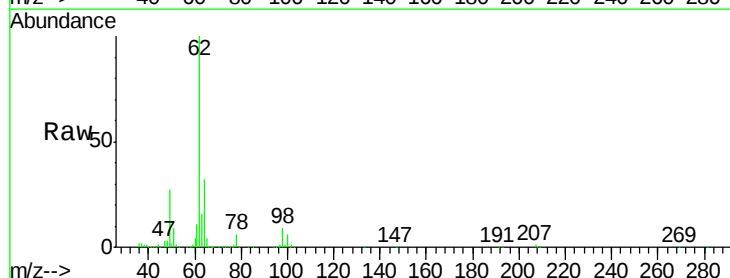
Manual Integrations  
APPROVED

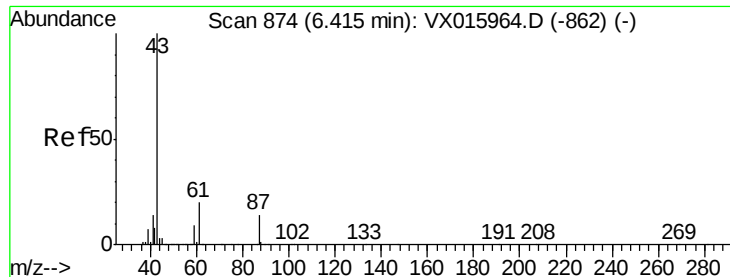
MMDadoda  
5/4/2020 2:20:03 PM



#42  
1,2-Dichloroethane  
Concen: 49.392 ug/l  
RT: 6.17 min Scan# 833  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.4 | 0.0   | 18.4  |       |





#43

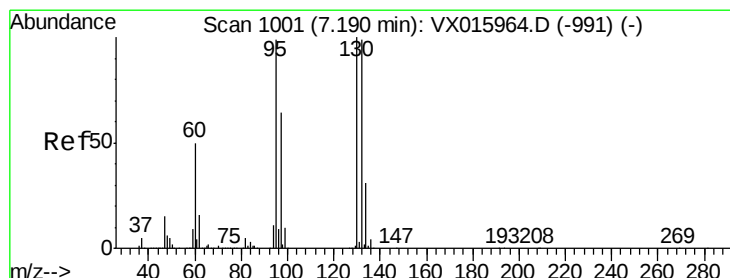
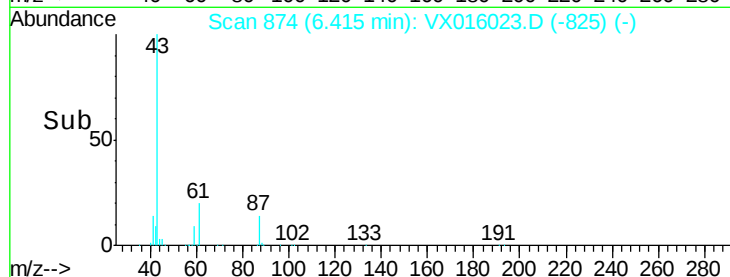
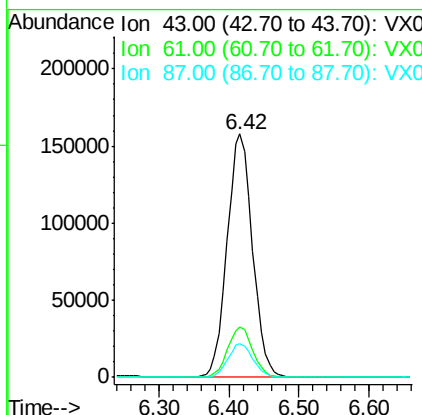
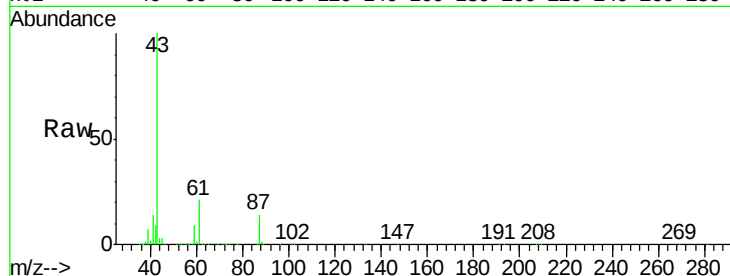
Isopropyl Acetate  
 Concen: 49.545 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

| Tot Ion   | 43   | Resp  | 395229 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 61        | 20.6 | 16.1  | 24.1   |
| 87        | 13.6 | 10.9  | 16.3   |

Manual Integrations  
 APPROVED

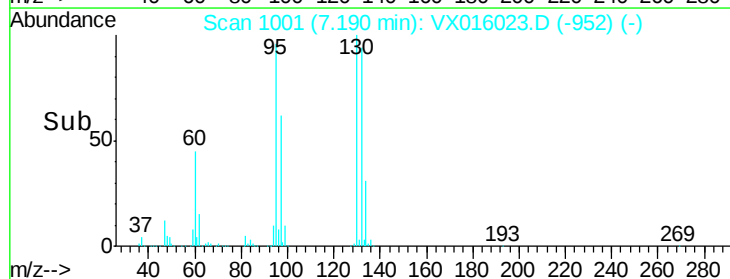
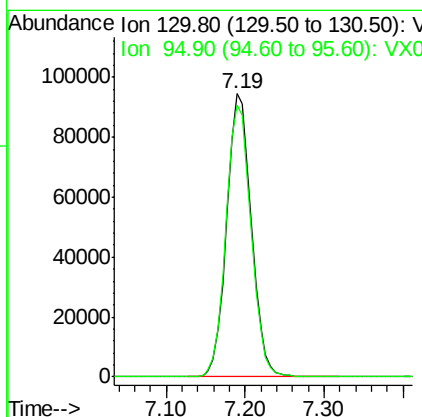
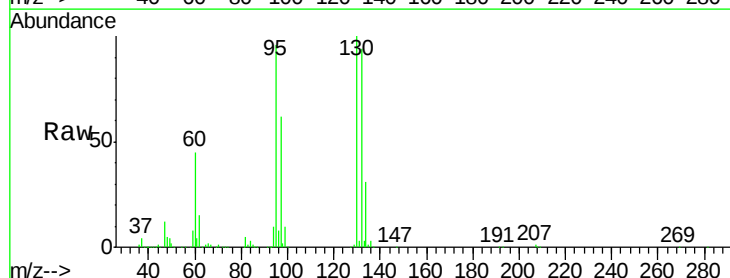
MMDadoda  
 5/4/2020 2:20:03 PM

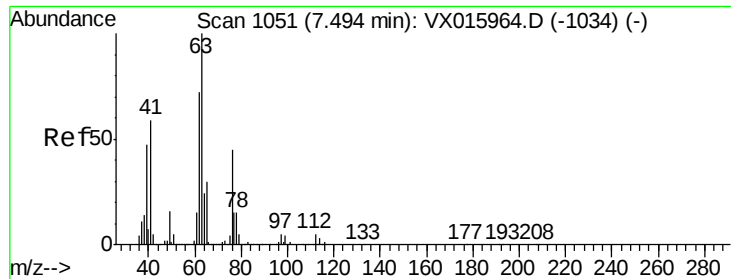


#44

Trichloroethene  
 Concen: 47.659 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

| Tgt Ion   | 130  | Resp  | 205912 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 130       | 100  |       |        |
| 95        | 96.2 | 0.0   | 197.4  |





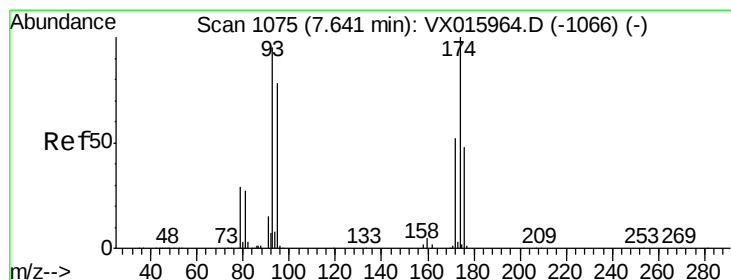
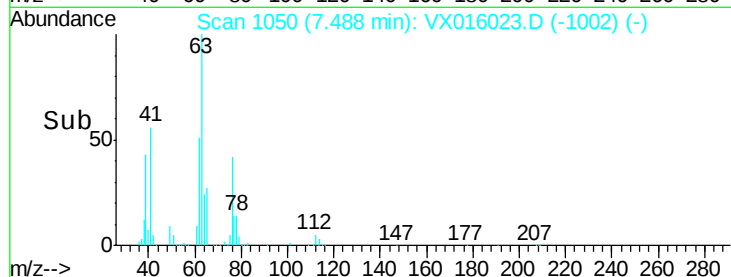
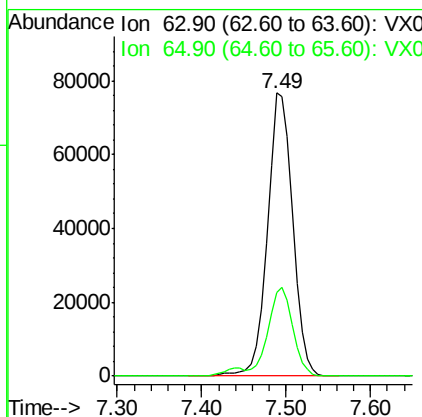
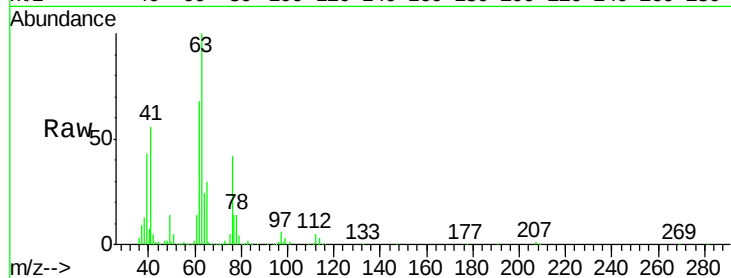
#45  
 1,2-Dichloropropane  
 Concen: 51.498 ug/l  
 RT: 7.49 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 159535 |       |       |
| 65      | 29.6  |        | 24.3  | 36.5  |

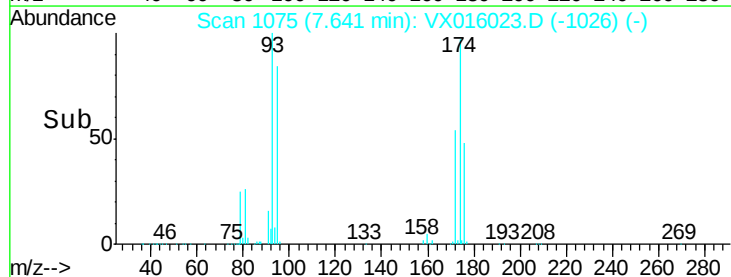
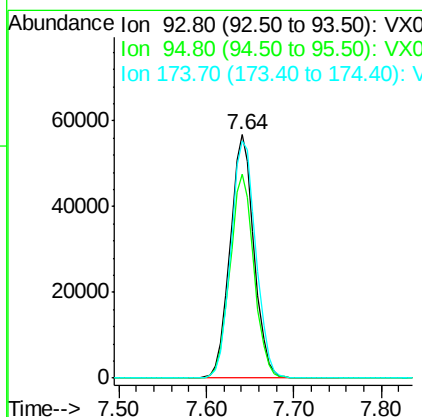
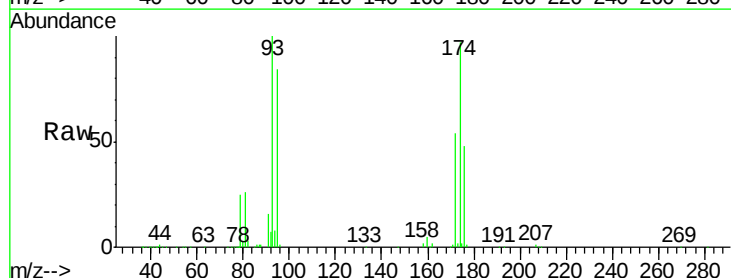
Manual Integrations  
 APPROVED

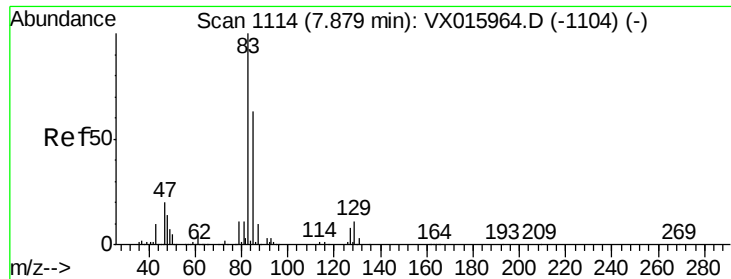
MMDadoda  
 5/4/2020 2:20:03 PM



#46  
 Dibromomethane  
 Concen: 48.926 ug/l  
 RT: 7.64 min Scan# 1075  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 107700 |       |       |
| 95      | 84.5  |        | 65.5  | 98.3  |
| 174     | 101.9 |        | 82.7  | 124.1 |





#47

Bromodichloromethane

Concen: 50.833 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

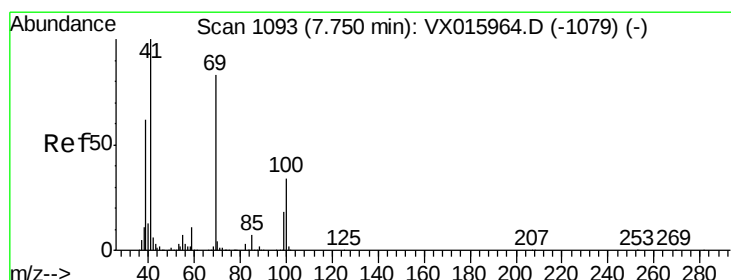
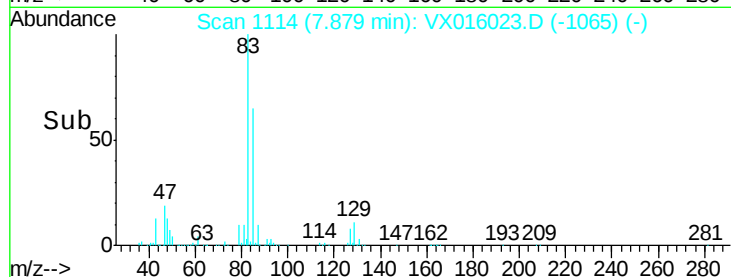
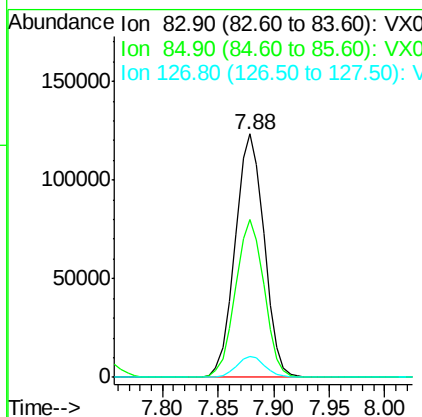
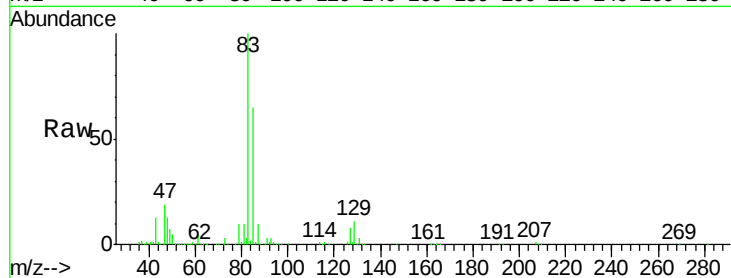
ClientSampleId :

SA-PZ191I-20200429MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 222359 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.7  | 50.6  | 75.8   |
| 127       | 8.4   | 6.7   | 10.1   |

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#48

Methyl methacrylate

Concen: 52.494 ug/l

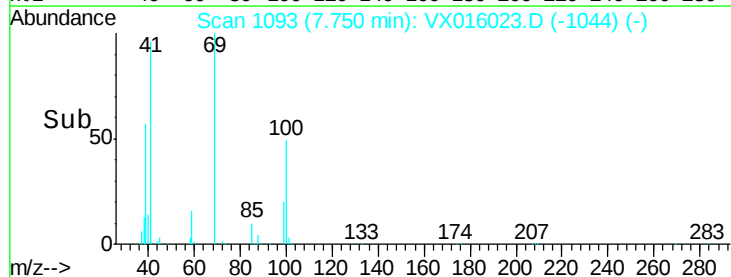
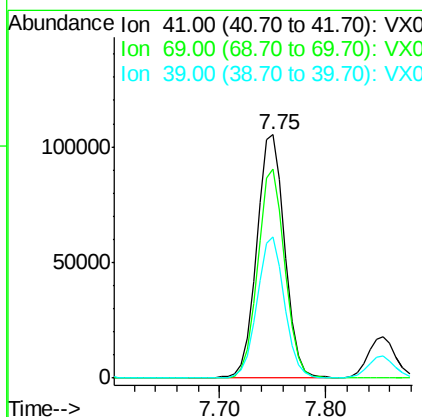
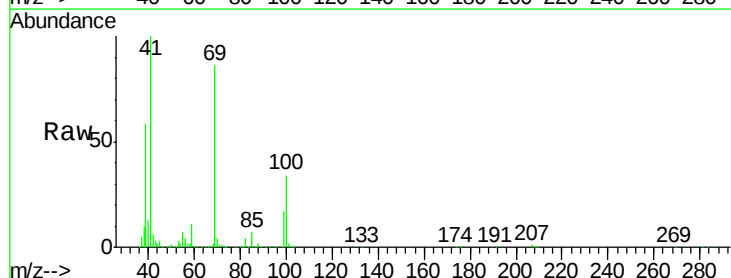
RT: 7.75 min Scan# 1093

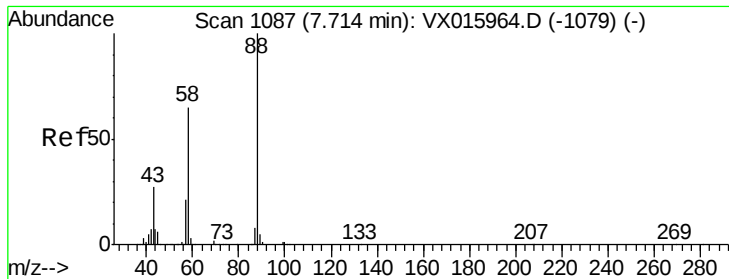
Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 193338 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 83.7  | 66.0  | 99.0   |
| 39        | 56.8  | 49.0  | 73.4   |





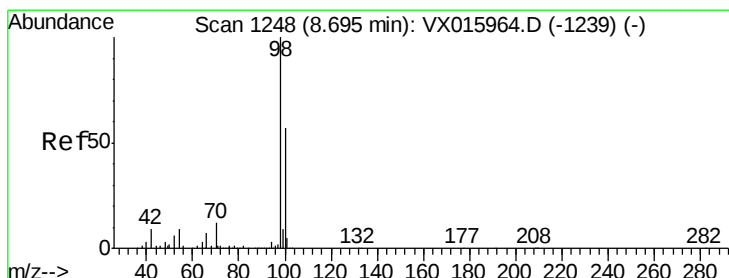
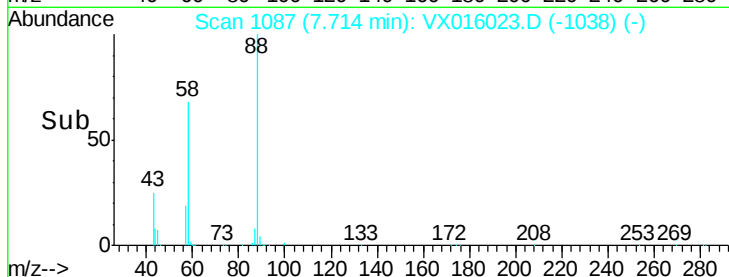
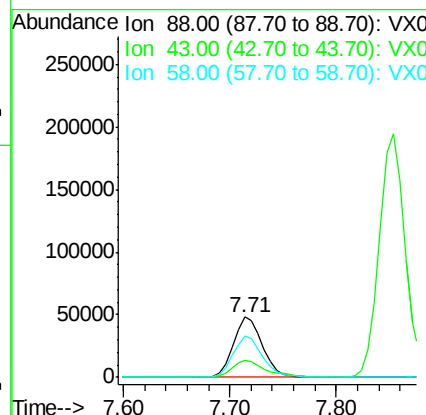
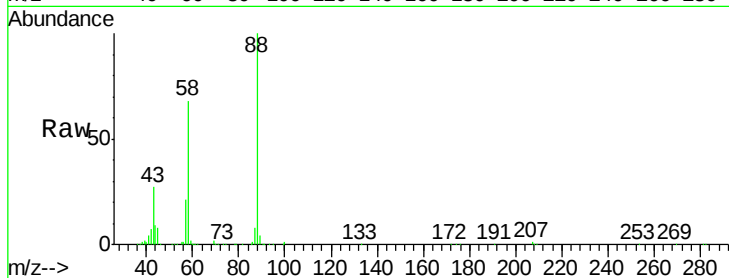
#49  
1,4-Dioxane  
Concen: 1052.887 ug/l  
RT: 7.71 min Scan# 1087  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.5  | 26.6  | 39.8  |
| 58      | 70.7  | 54.8  | 82.2  |

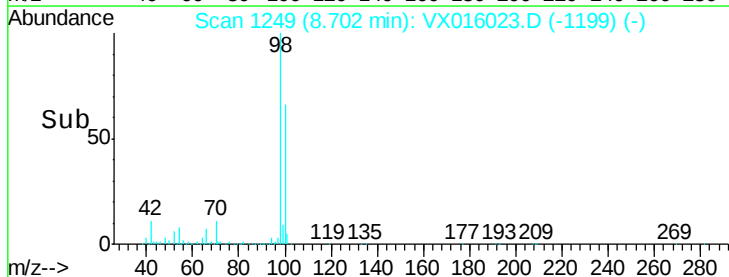
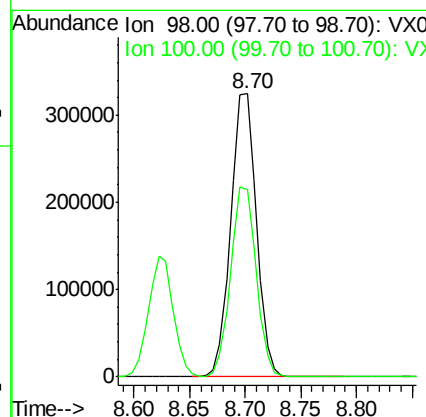
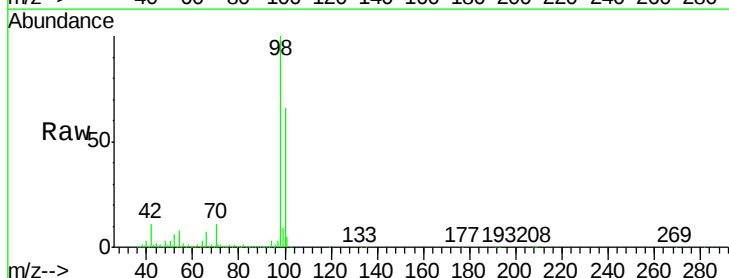
Manual Integrations  
APPROVED

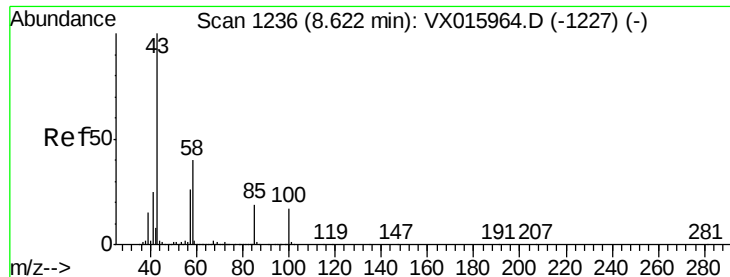
MMDadoda  
5/4/2020 2:20:03 PM



#50  
Toluene-d8  
Concen: 50.350 ug/l  
RT: 8.70 min Scan# 1249  
Delta R.T. 0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.8  | 53.1  | 79.7  |





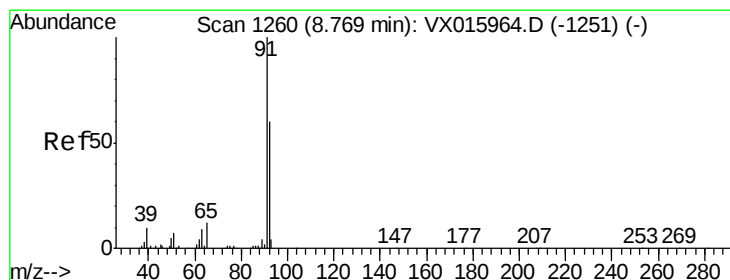
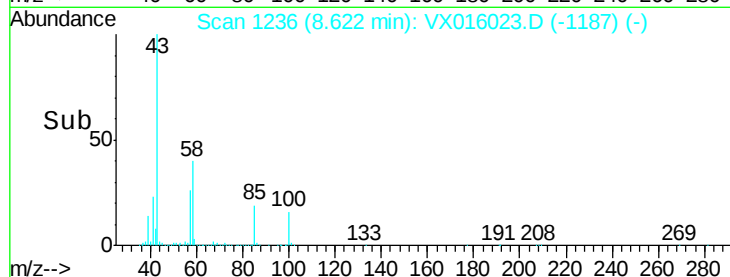
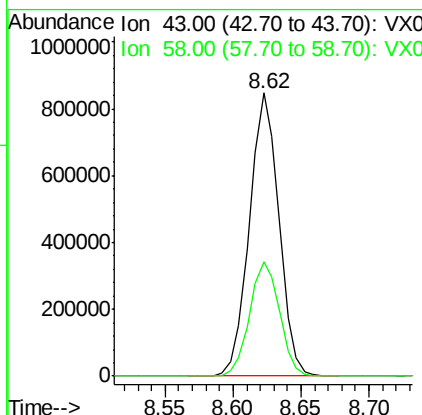
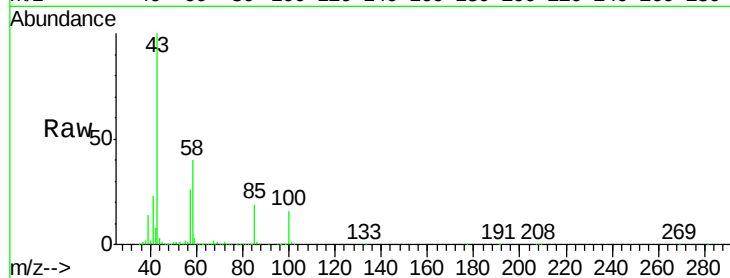
#51  
4-Methyl-2-Pentanone  
Concen: 264.124 ug/l  
RT: 8.62 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

Tot Ion: 43 Resp: 1278000  
Ion Ratio Lower Upper  
43 100  
58 41.0 32.0 48.0

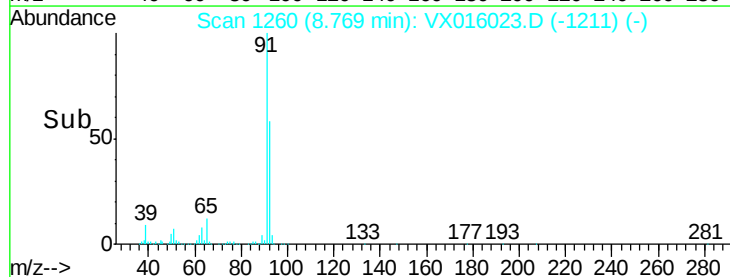
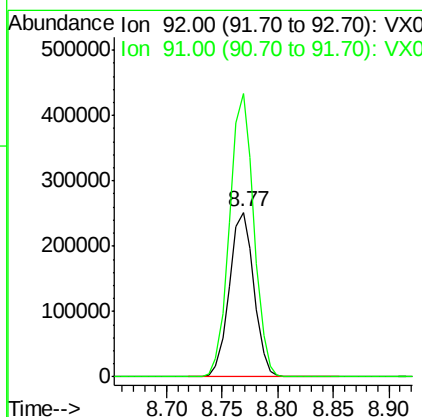
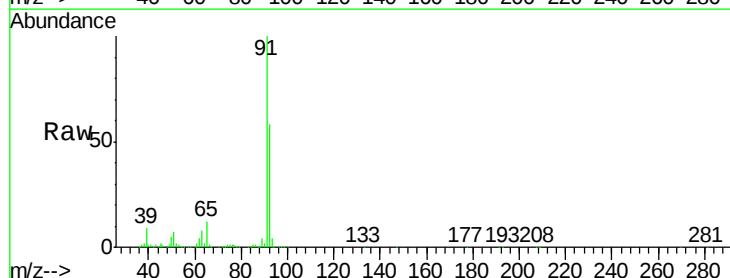
Manual Integrations  
APPROVED

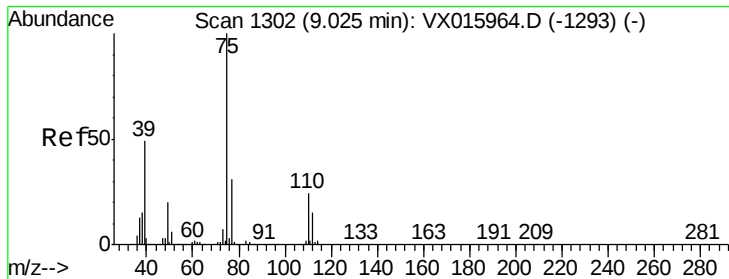
MMDadoda  
5/4/2020 2:20:03 PM



#52  
Toluene  
Concen: 50.554 ug/l  
RT: 8.77 min Scan# 1260  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Tgt Ion: 92 Resp: 384657  
Ion Ratio Lower Upper  
92 100  
91 169.8 134.6 202.0





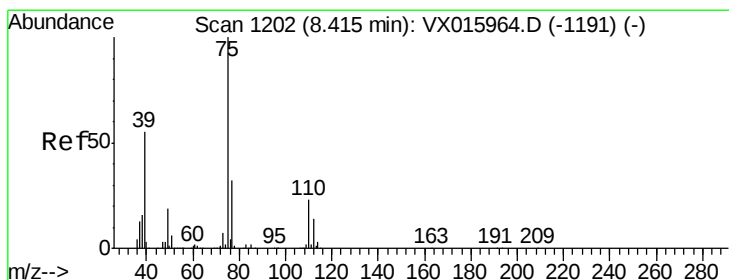
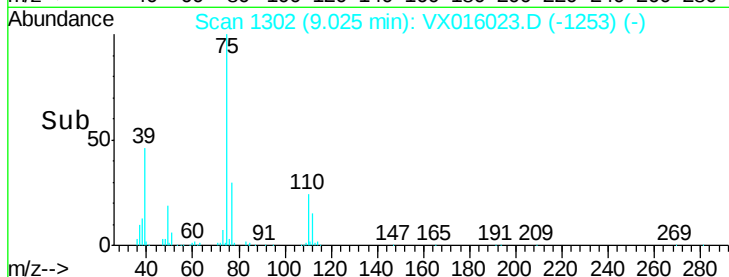
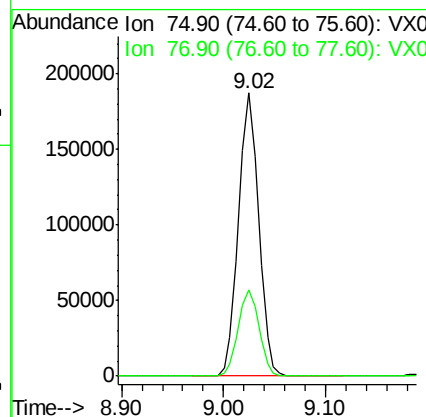
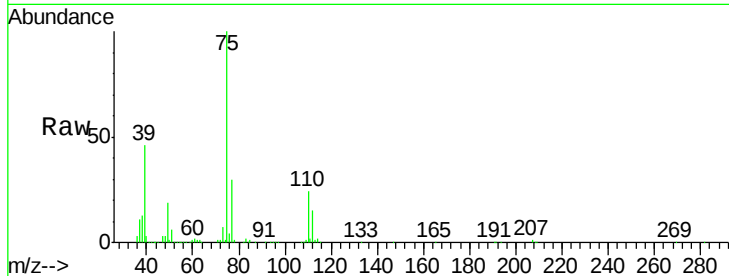
#53  
t-1,3-Dichloropropene  
Concen: 49.287 ug/l  
RT: 9.02 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.4  | 24.9  | 37.3  |

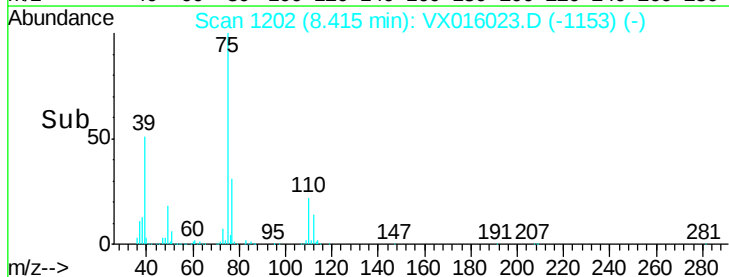
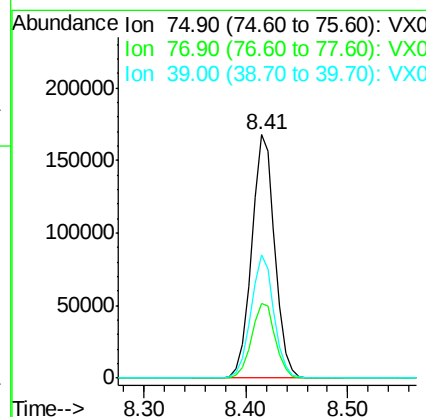
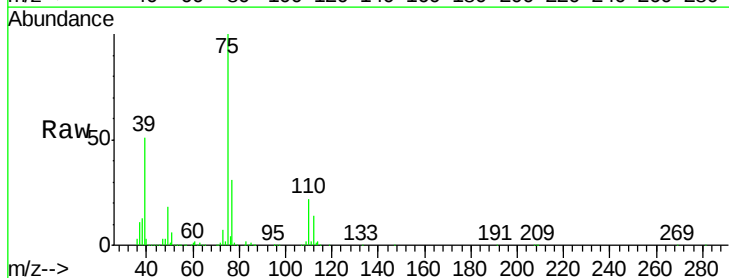
Manual Integrations  
APPROVED

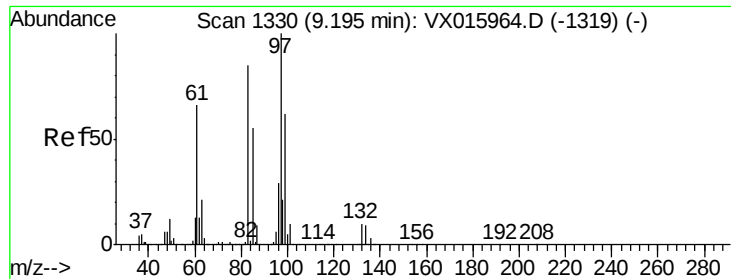
MMDadoda  
5/4/2020 2:20:03 PM



#54  
cis-1,3-Dichloropropene  
Concen: 49.491 ug/l  
RT: 8.41 min Scan# 1202  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.6  | 25.4  | 38.0  |
| 39      | 50.6  | 44.1  | 66.1  |





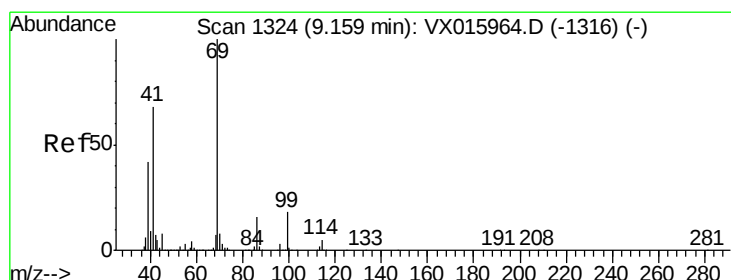
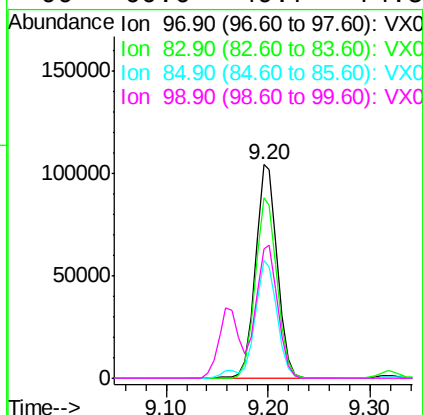
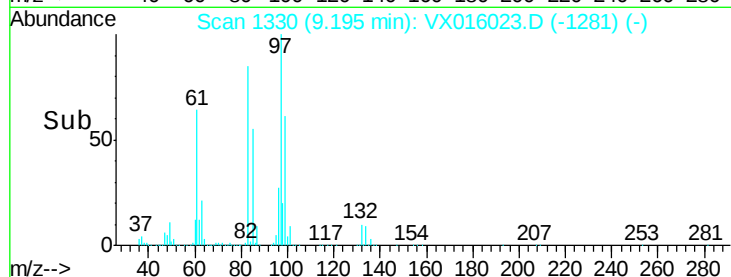
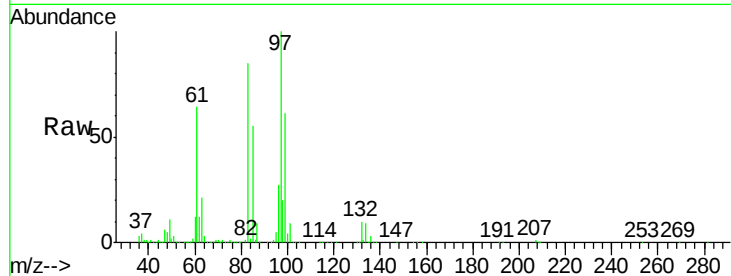
#55  
 1,1,2-Trichloroethane  
 Concen: 51.576 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 156828 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.7  | 68.2  | 102.2  |
| 85       | 55.1  | 43.7  | 65.5   |
| 99       | 60.6  | 49.7  | 74.5   |

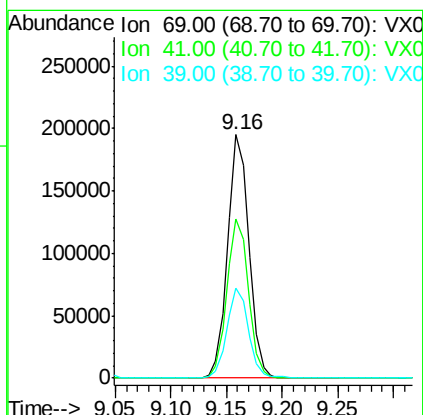
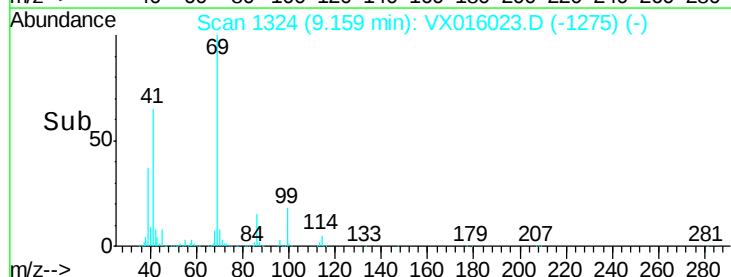
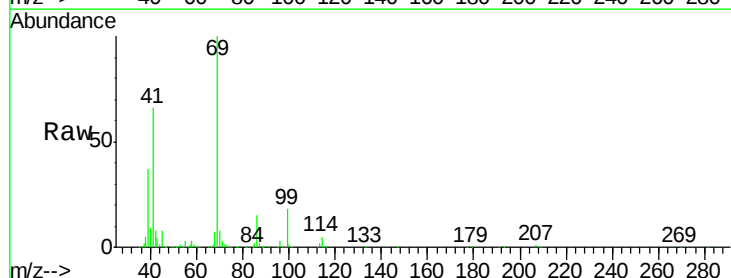
Manual Integrations  
 APPROVED

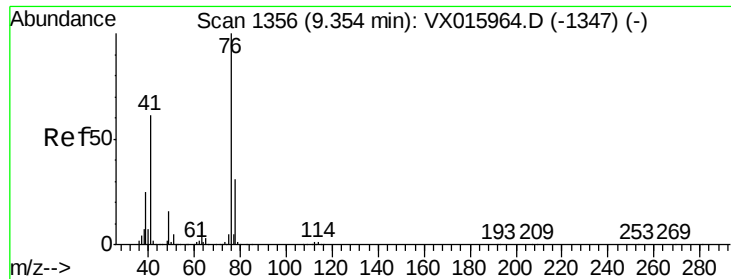
MMDadoda  
 5/4/2020 2:20:03 PM



#56  
 Ethyl methacrylate  
 Concen: 52.456 ug/l  
 RT: 9.16 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 259359 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 65.9  | 53.5  | 80.3   |
| 39       | 37.3  | 33.4  | 50.0   |





#57

1,3-Dichloropropane

Concen: 51.481 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Tot Ion: 76 Resp: 268961

Ion Ratio Lower Upper

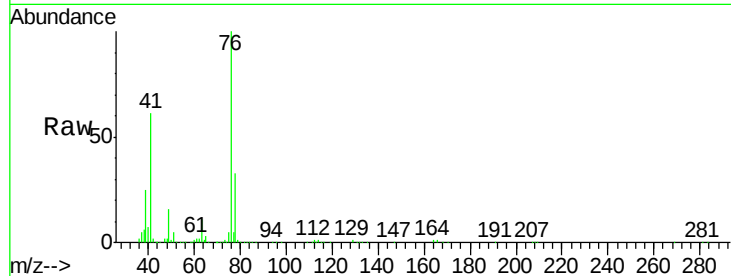
76 100

78 32.8 25.5 38.3

Manual Integrations  
APPROVED

MMDadoda

5/4/2020 2:20:03 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

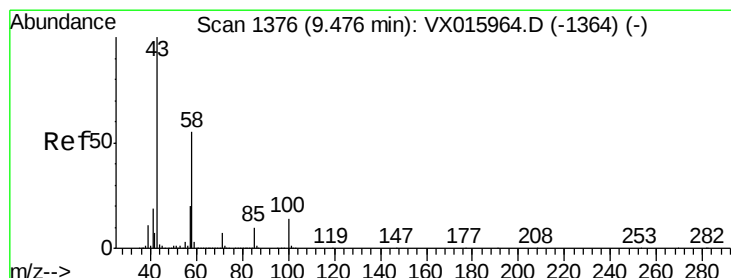
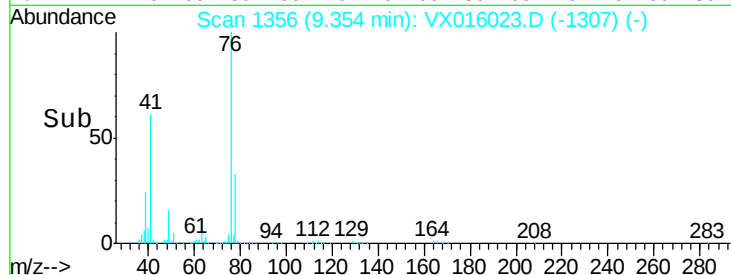
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#59

2-Hexanone

Concen: 265.296 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX016023.D

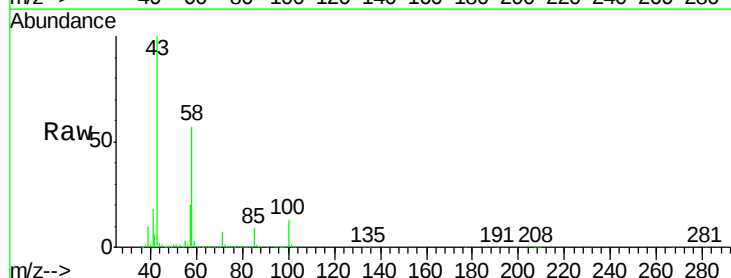
Acq: 01 May 2020 19:41

Tgt Ion: 43 Resp: 1003198

Ion Ratio Lower Upper

43 100

58 56.6 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.48

800000

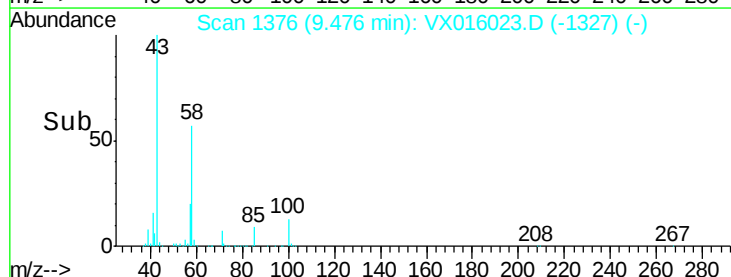
600000

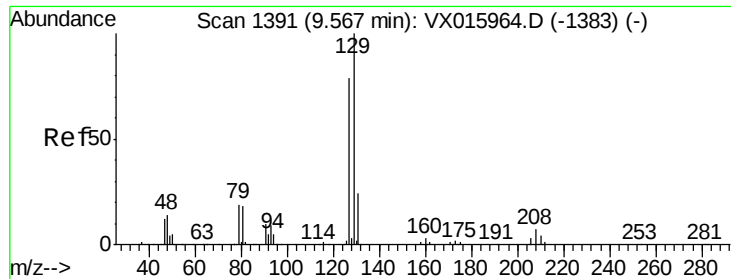
400000

200000

0

Time--> 9.30 9.40 9.50 9.60





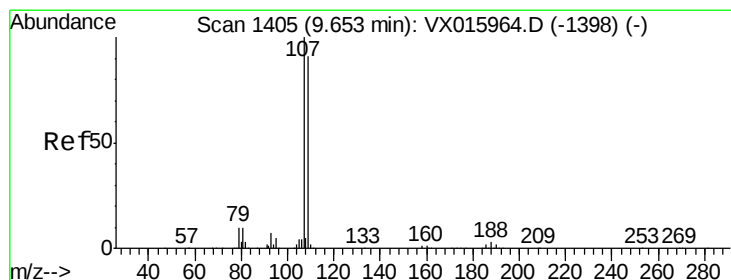
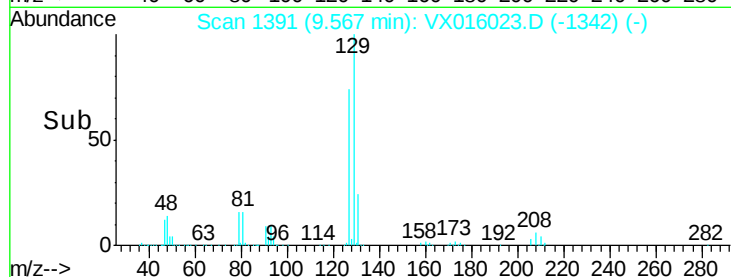
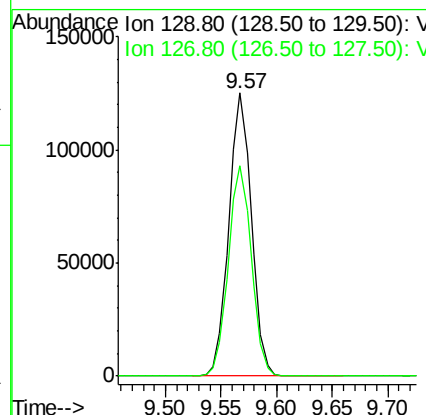
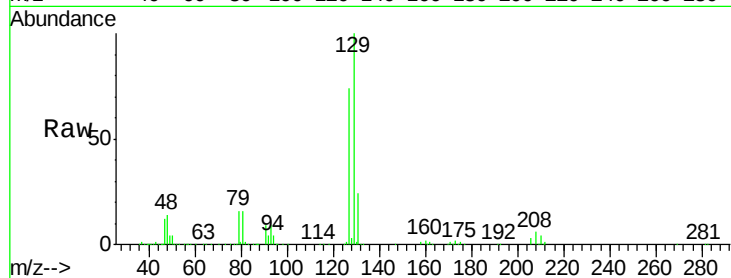
#60  
Dibromochloromethane  
Concen: 51.453 ug/l  
RT: 9.57 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.4  | 39.4  | 118.1 |

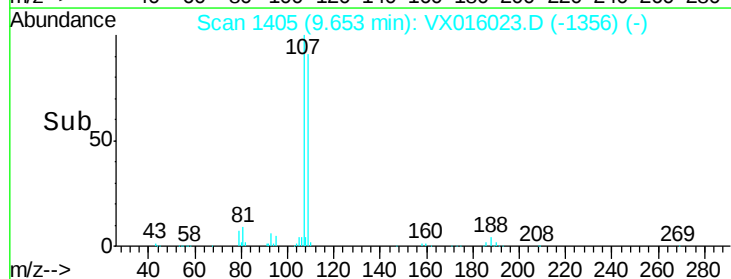
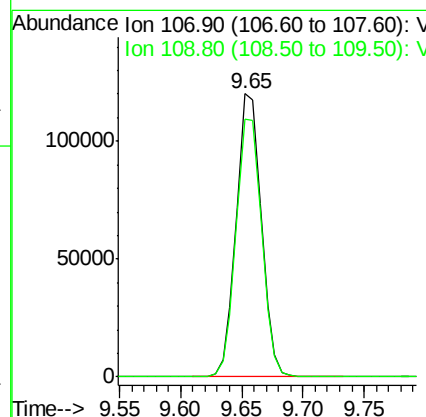
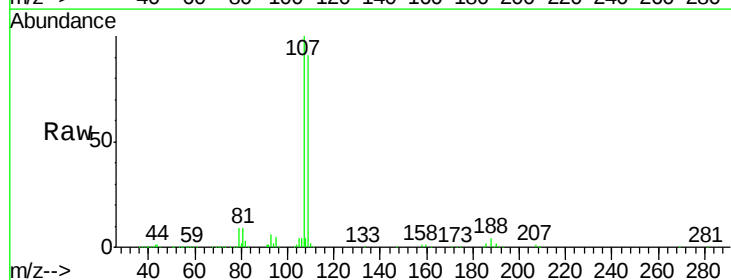
Manual Integrations  
APPROVED

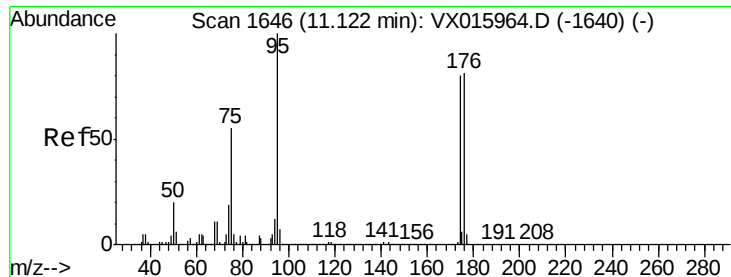
MMDadoda  
5/4/2020 2:20:03 PM



#61  
1,2-Dibromoethane  
Concen: 51.475 ug/l  
RT: 9.65 min Scan# 1405  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.4  | 74.9  | 112.3 |





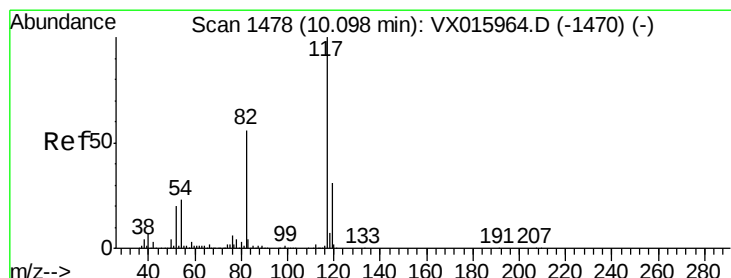
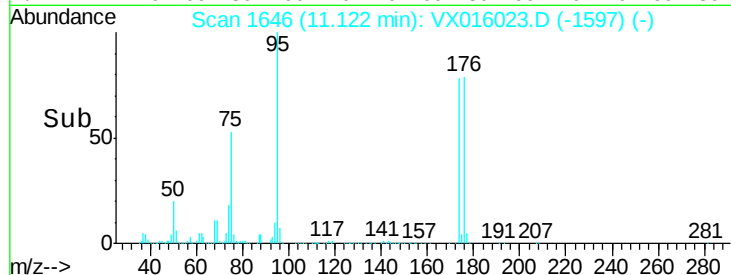
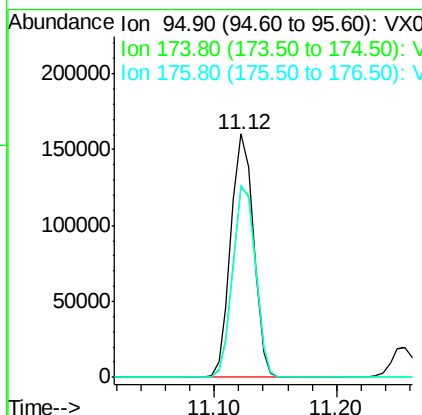
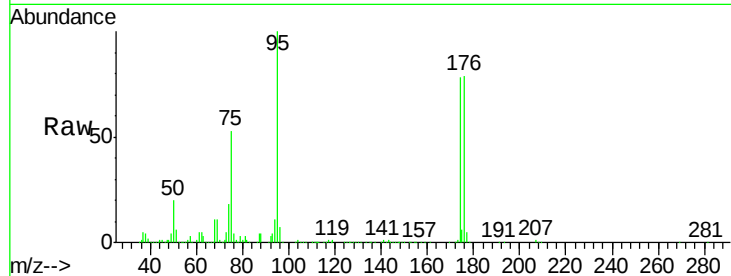
#62  
4-Bromofluorobenzene  
Concen: 50.816 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 205043 |       |       |
| 174     | 79.5  | 0.0    | 165.0 |       |
| 176     | 78.0  | 0.0    | 163.2 |       |

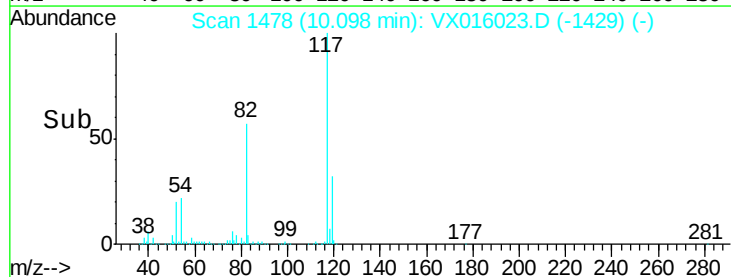
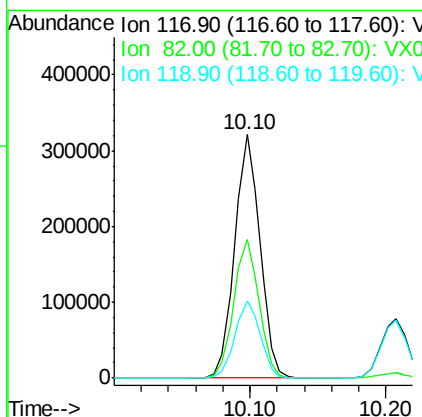
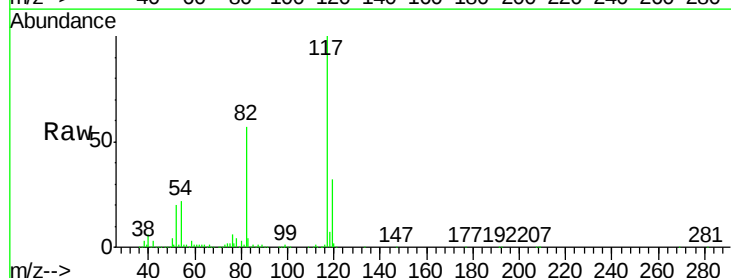
Manual Integrations  
APPROVED

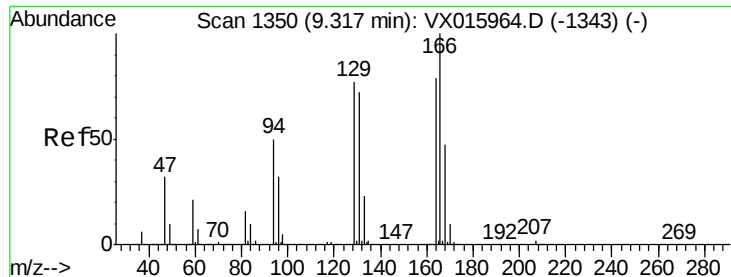
MMDadoda  
5/4/2020 2:20:03 PM



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 414438 |       |       |
| 82      | 57.1  | 44.5   | 66.7  |       |
| 119     | 31.8  | 25.0   | 37.6  |       |





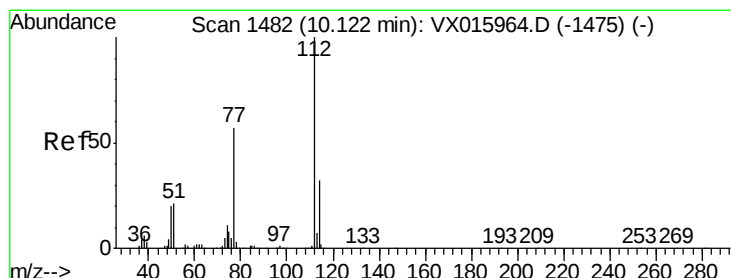
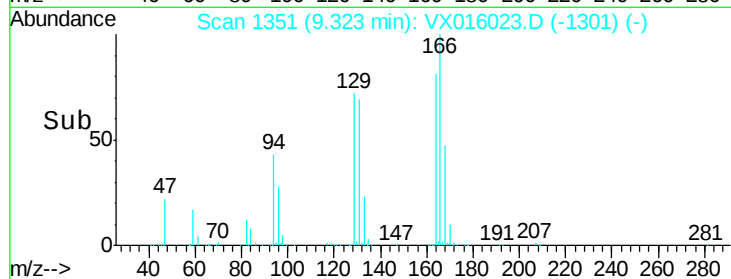
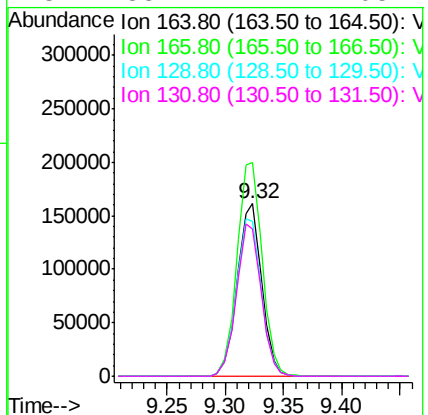
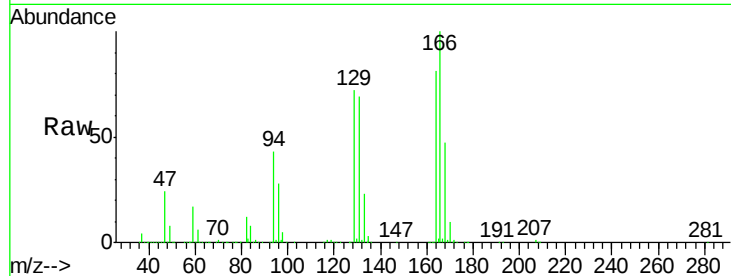
#64  
Tetrachloroethene  
Concen: 47.944 ug/l  
RT: 9.32 min Scan# 1351  
Delta R.T. 0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   |       |       |       |
| 166     | 123.7 | 101.0 | 151.4 |       |
| 129     | 89.7  | 77.4  | 116.0 |       |
| 131     | 85.4  | 72.2  | 108.2 |       |

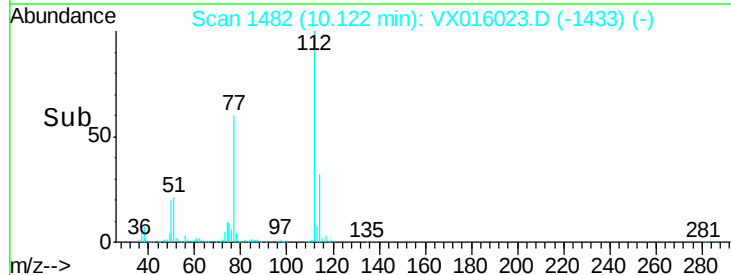
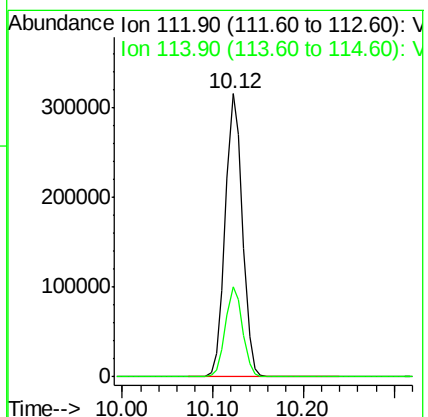
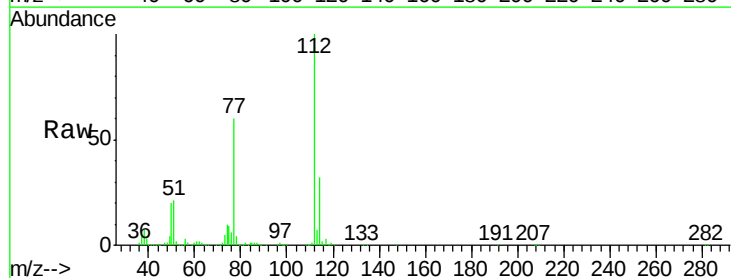
Manual Integrations  
APPROVED

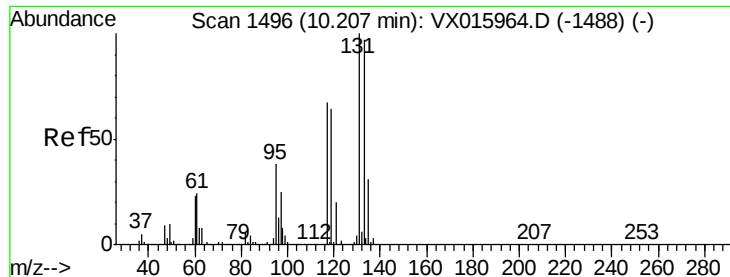
MMDadoda  
5/4/2020 2:20:03 PM



#65  
Chlorobenzene  
Concen: 49.159 ug/l  
RT: 10.12 min Scan# 1482  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 112     | 100   |      |       |       |
| 114     | 32.0  | 25.4 | 38.0  |       |





#66

1,1,1,2-Tetrachloroethane

Concen: 50.087 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

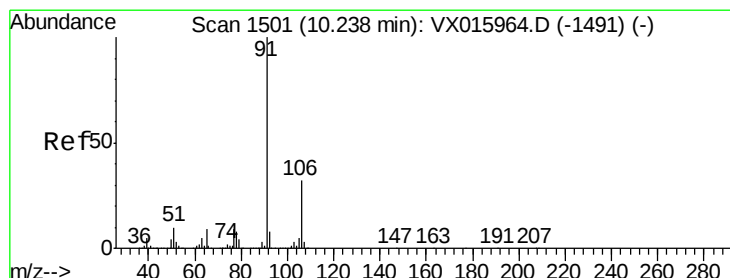
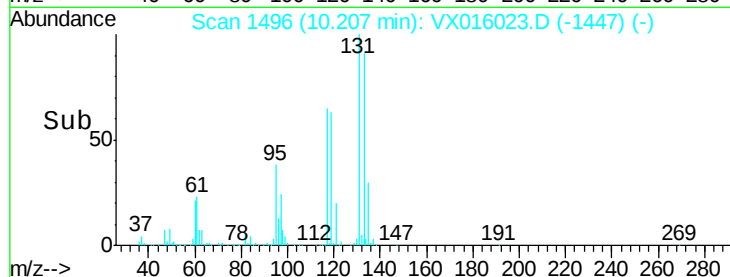
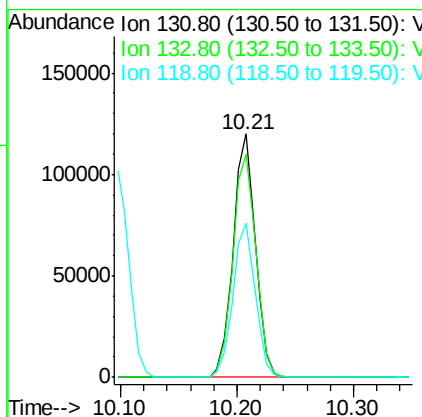
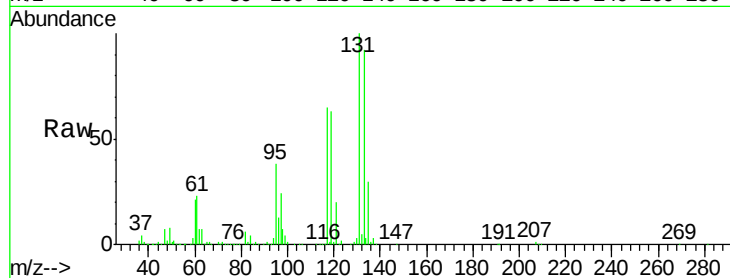
ClientSampleId :

SA-PZ191I-20200429MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 159792 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 94.8  | 48.3  | 144.8  |
| 119       | 63.8  | 31.6  | 94.8   |

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#67

Ethyl Benzene

Concen: 49.063 ug/l

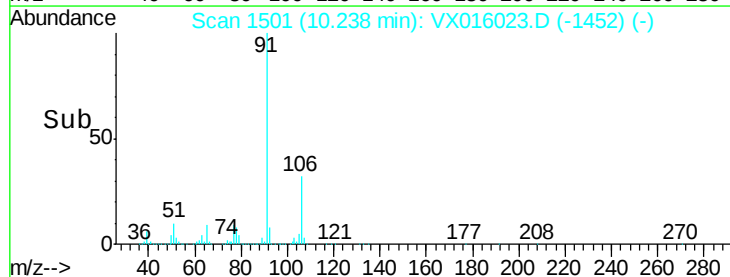
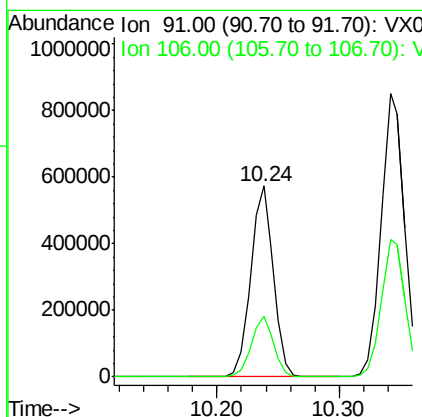
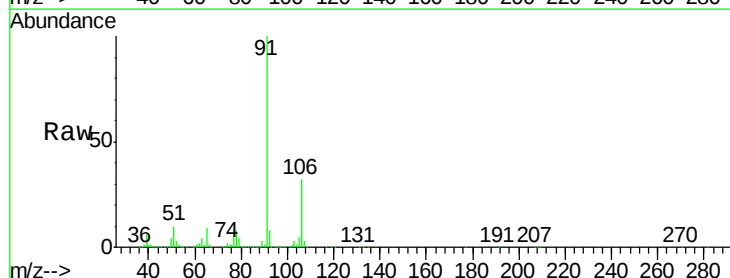
RT: 10.24 min Scan# 1501

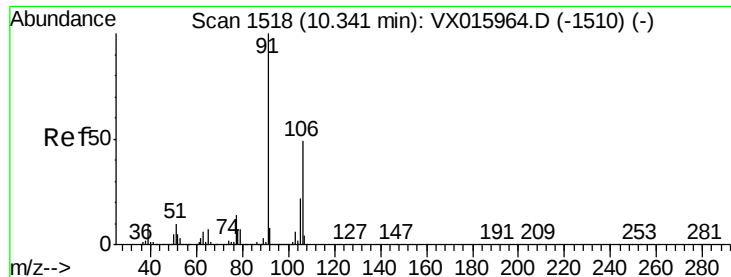
Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 737529 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 31.7  | 25.3  | 37.9   |





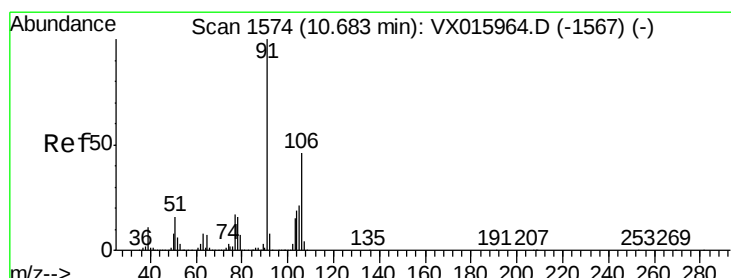
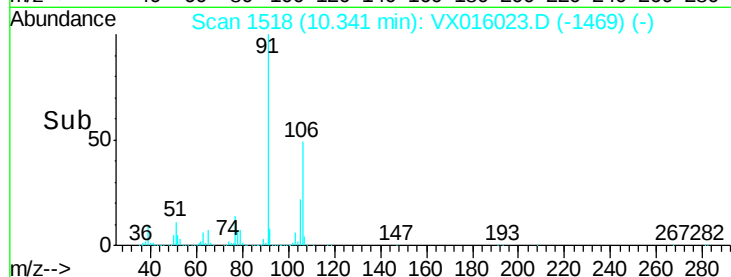
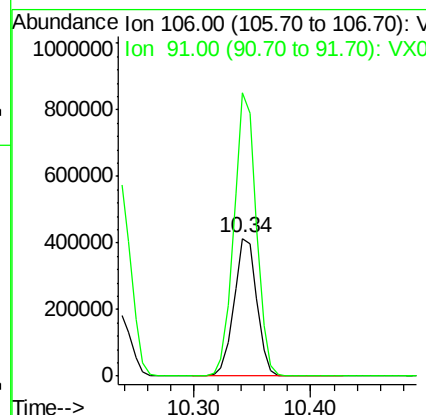
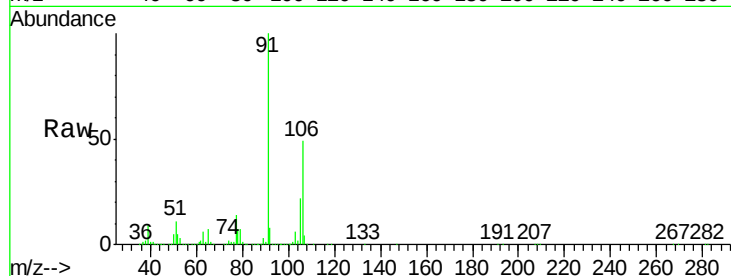
#68  
m/p-Xylenes  
Concen: 98.703 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 106     | 106 | 100   | 563008 |       |       |
| 91      | 91  | 202.0 | 161.6  | 242.4 |       |

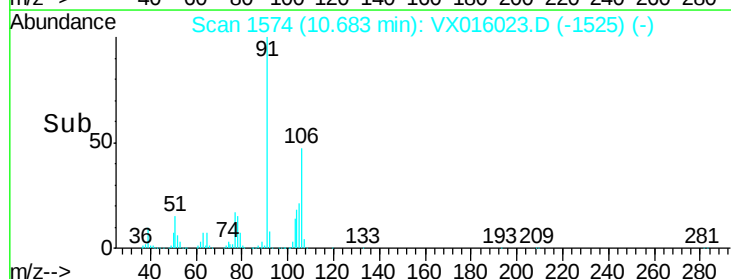
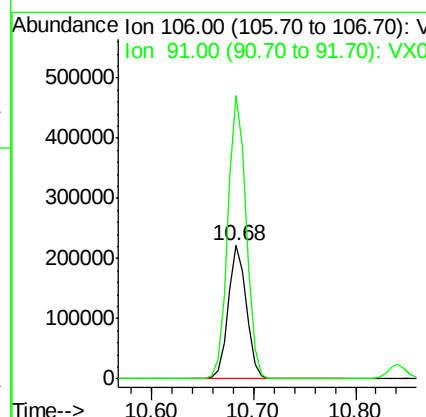
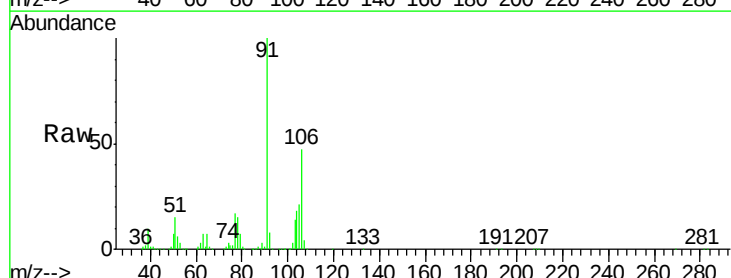
Manual Integrations  
APPROVED

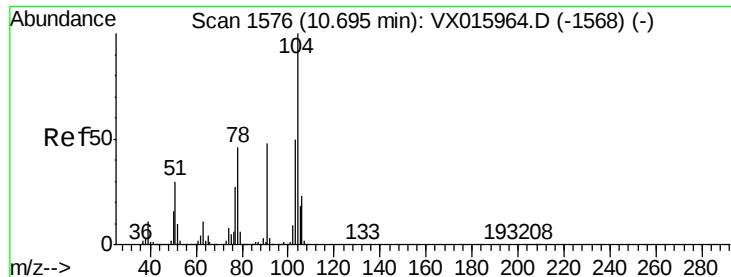
MMDadoda  
5/4/2020 2:20:03 PM



#69  
o-Xylene  
Concen: 50.516 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 106     | 106 | 100   | 273575 |       |       |
| 91      | 91  | 215.2 | 106.1  | 318.3 |       |





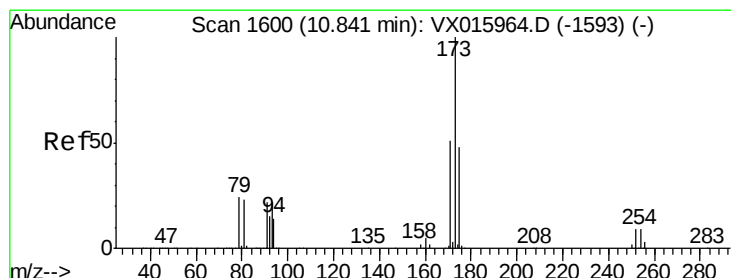
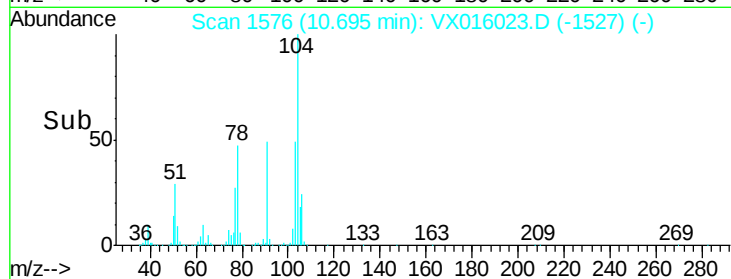
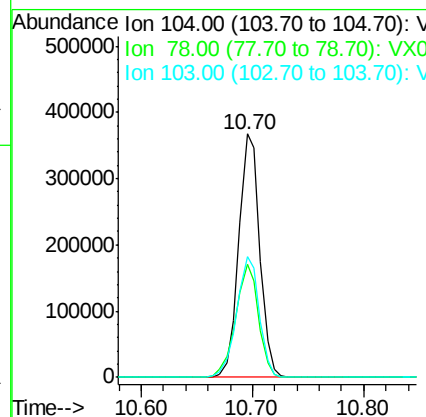
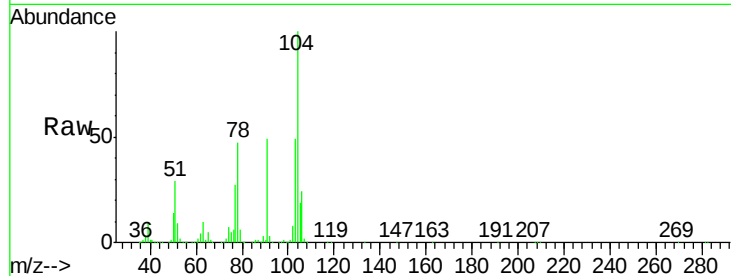
#70  
Stvrene  
Concen: 51.601 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 50.2  | 41.0  | 61.4  |
| 103     | 53.2  | 43.4  | 65.2  |

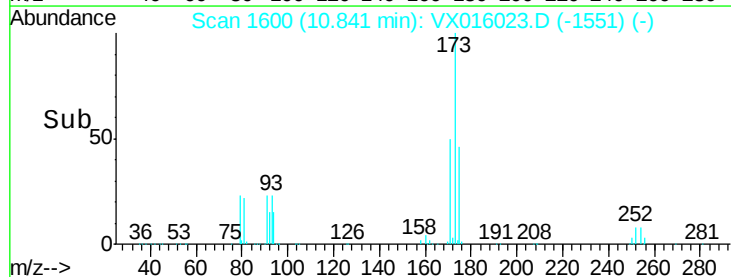
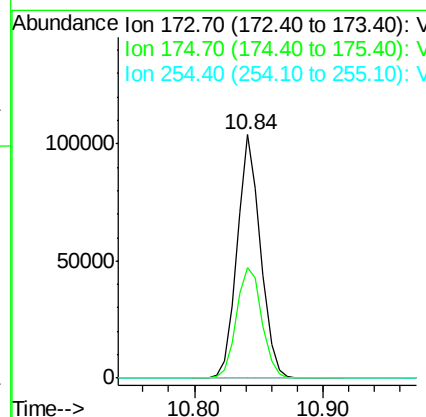
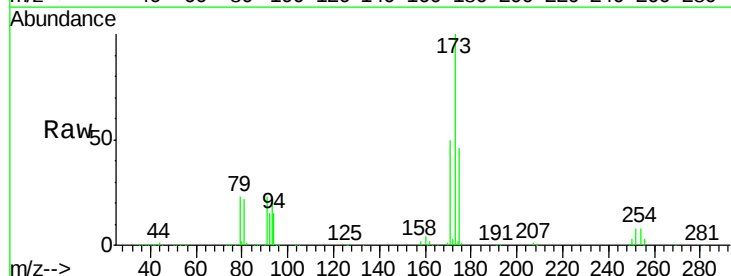
Manual Integrations  
APPROVED

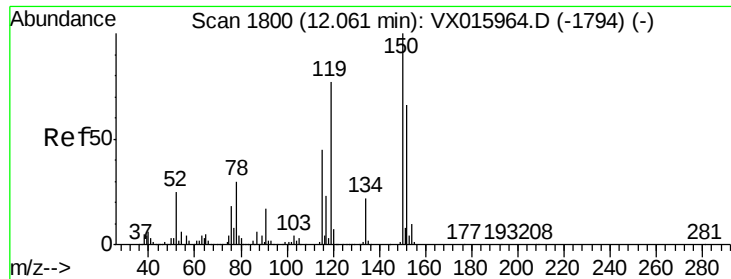
MMDadoda  
5/4/2020 2:20:03 PM



#71  
Bromoform  
Concen: 45.315 ug/l  
RT: 10.84 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.4  | 24.1  | 72.4  |
| 254     | 0.1   | 0.1   | 0.1#  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

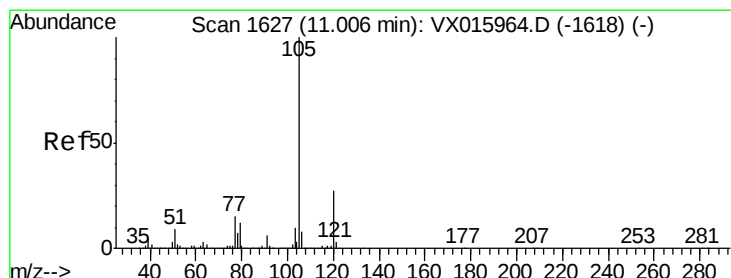
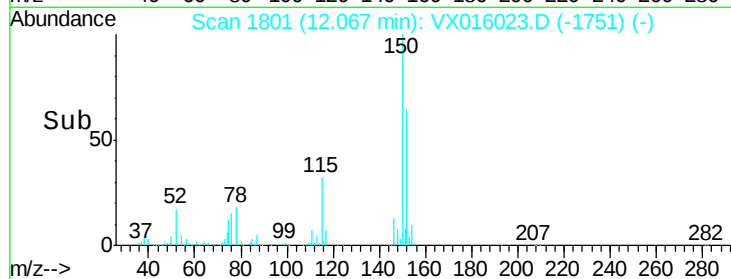
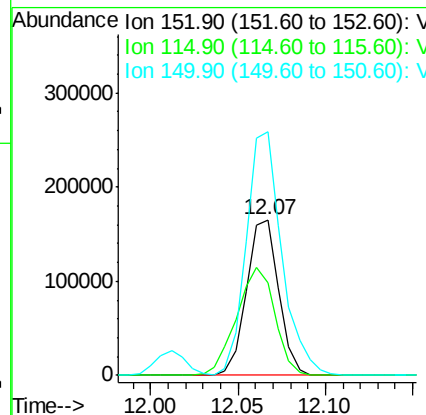
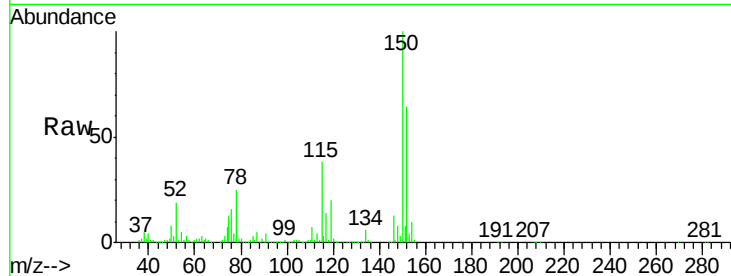
ClientSampleId :

SA-PZ191I-20200429MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 209932 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 83.2  | 40.9  | 122.7  |
| 150       | 174.3 | 0.0   | 342.4  |

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#73

Isopropylbenzene

Concen: 51.324 ug/l

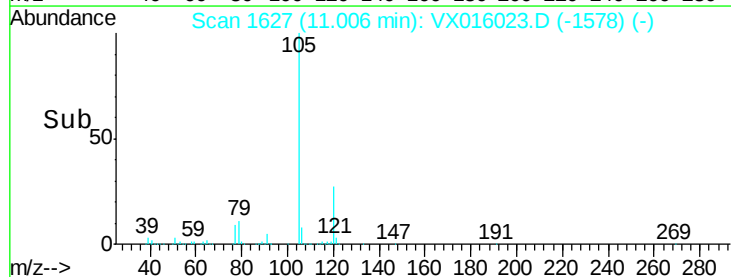
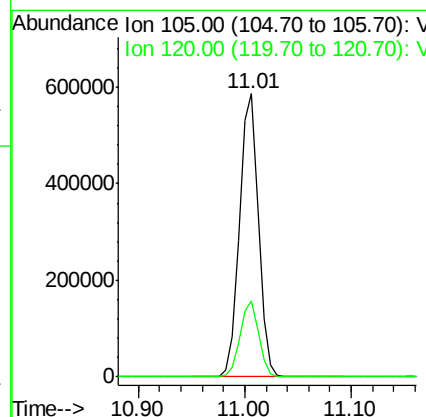
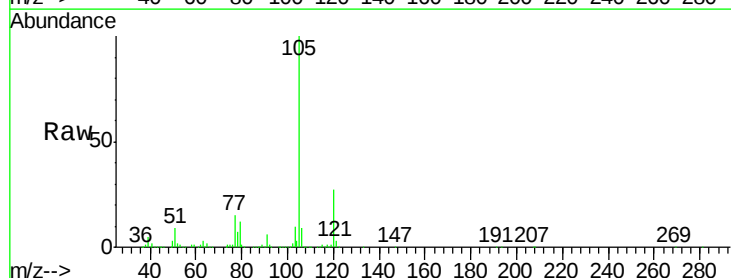
RT: 11.01 min Scan# 1627

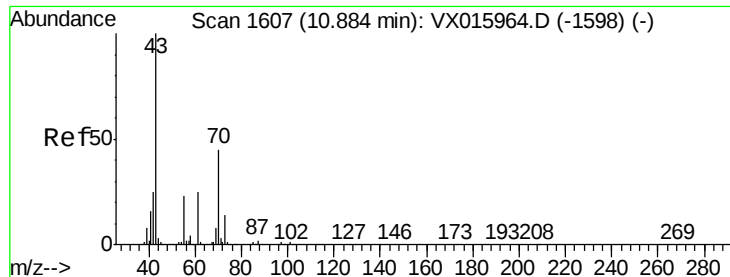
Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 732968 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.3  | 13.3  | 39.8   |





#74

N-amvl acetate

Concen: 48.592 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

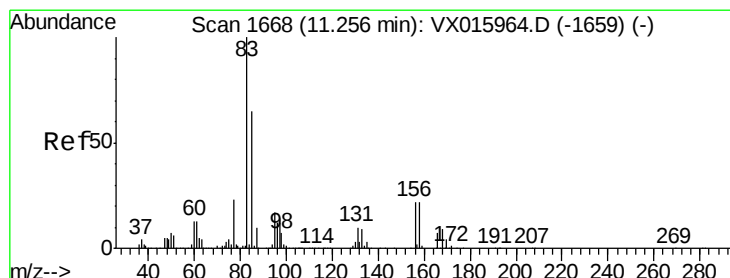
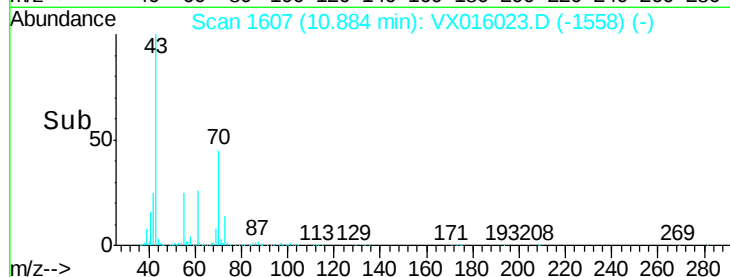
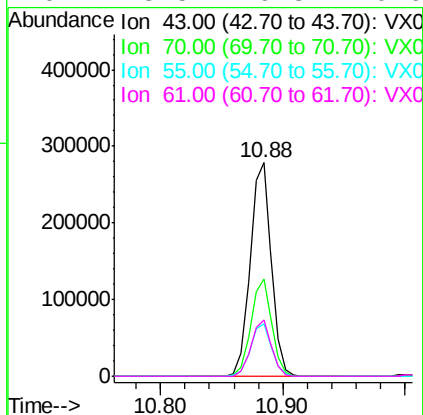
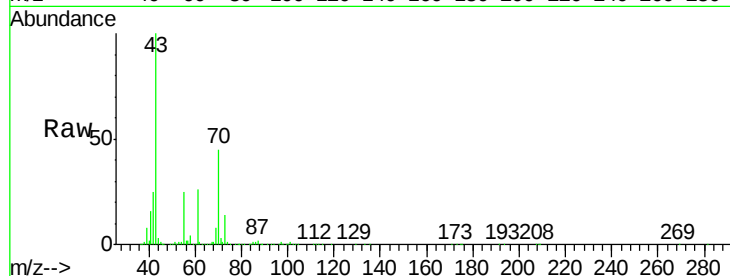
ClientSampleId :

SA-PZ191I-20200429MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 43      | 100  |       | 334688 |       |       |
| 70      | 44.8 | 34.5  | 51.7   |       |       |
| 55      | 24.9 | 18.6  | 28.0   |       |       |
| 61      | 25.5 | 19.8  | 29.6   |       |       |

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 48.156 ug/l

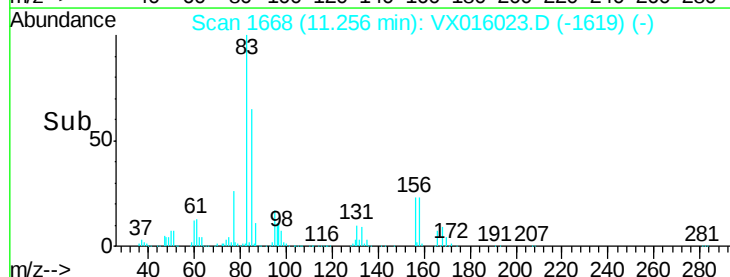
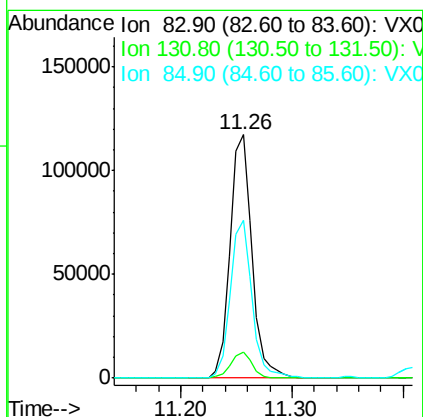
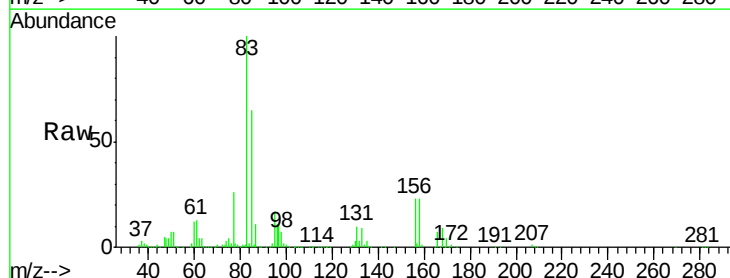
RT: 11.26 min Scan# 1668

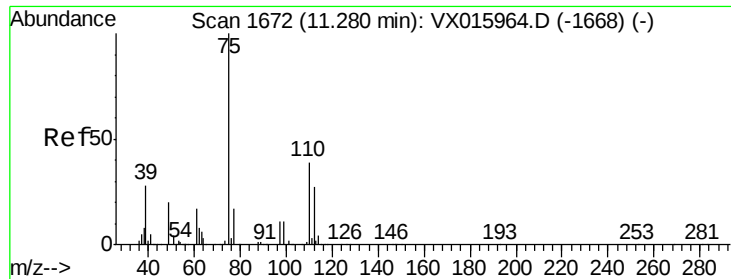
Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 83      | 100  |       | 159153 |       |       |
| 131     | 10.3 | 5.1   | 15.4   |       |       |
| 85      | 64.4 | 32.2  | 96.6   |       |       |





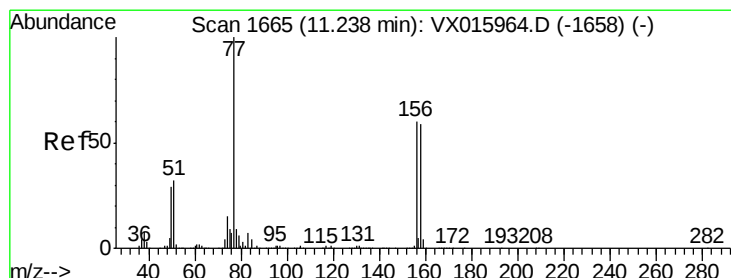
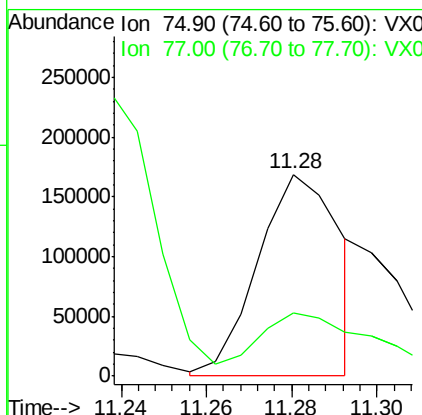
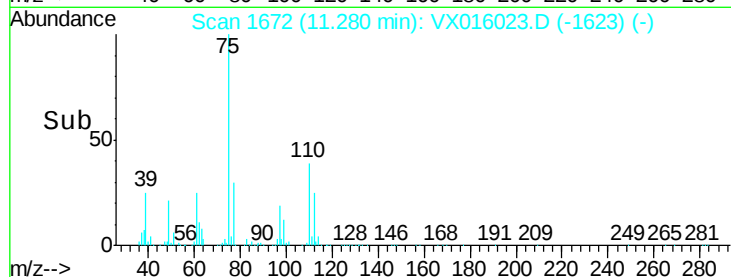
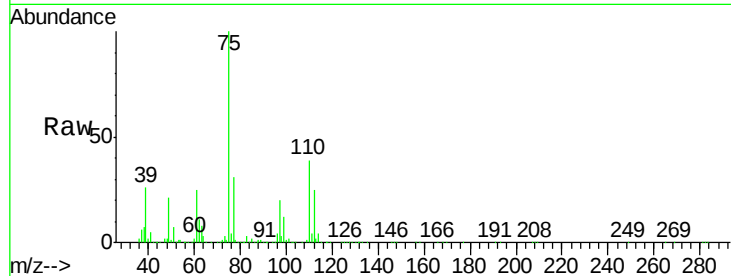
#76  
1,2,3-Trichloropropane  
Concen: 51.734 ug/l m  
RT: 11.28 min Scan# 1672  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

Tot Ion: 75 Resp: 227893  
Ion Ratio Lower Upper  
75 100  
77 43.6 21.6 65.0

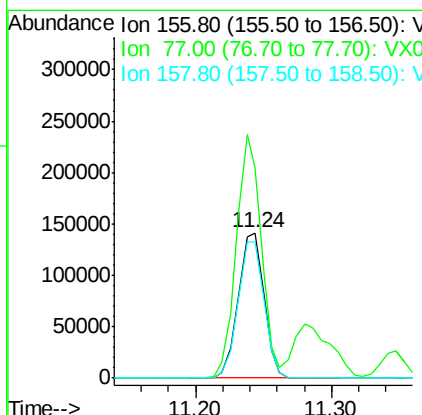
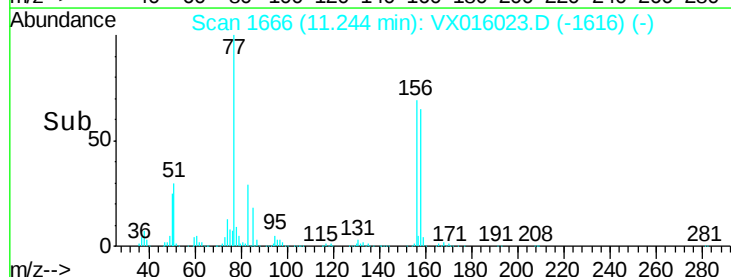
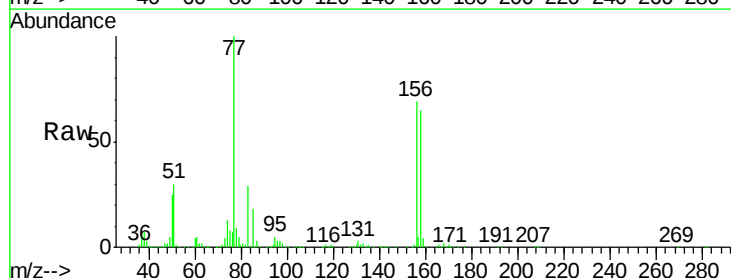
Manual Integrations  
APPROVED

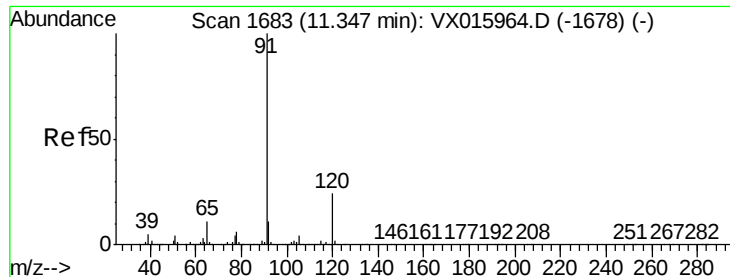
MMDadoda  
5/4/2020 2:20:03 PM



#77  
Bromobenzene  
Concen: 50.529 ug/l  
RT: 11.24 min Scan# 1666  
Delta R.T. 0.01 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Tgt Ion: 156 Resp: 185749  
Ion Ratio Lower Upper  
156 100  
77 162.2 78.3 234.8  
158 95.4 48.5 145.5





#78

n-propylbenzene

Concen: 51.280 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Tot Ion: 91 Resp: 842467

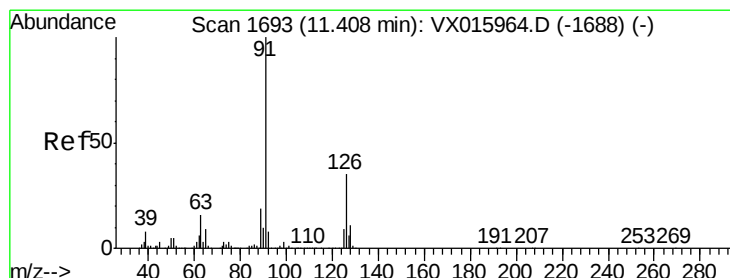
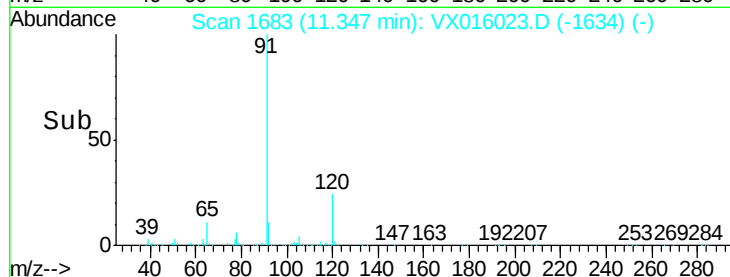
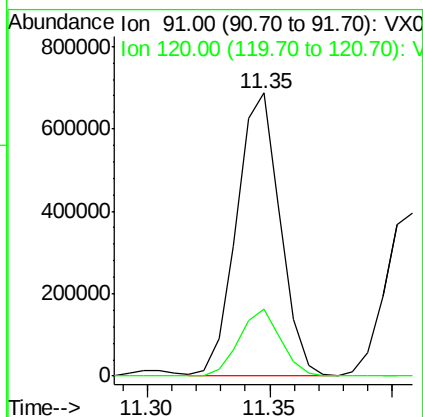
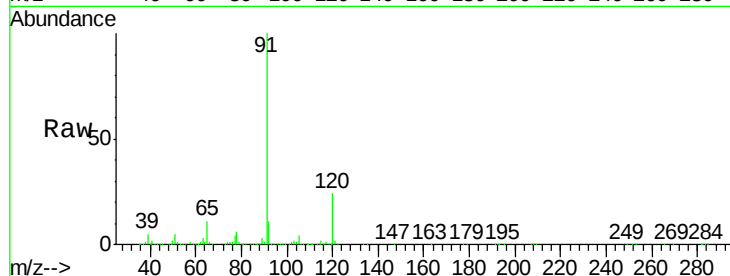
Ion Ratio Lower Upper

91 100

120 22.9 11.8 35.3

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#79

2-Chlorotoluene

Concen: 51.179 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX016023.D

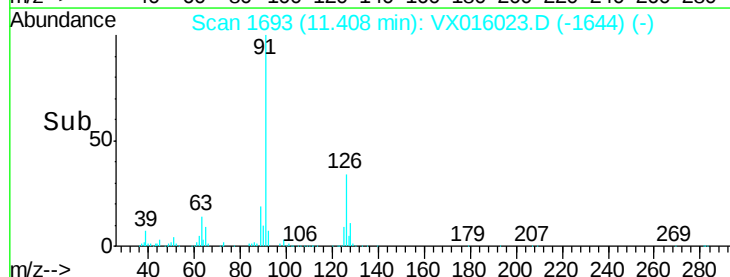
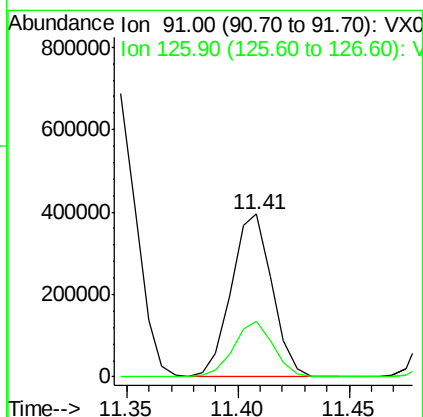
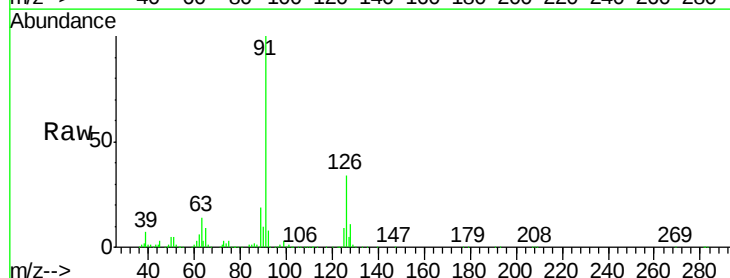
Acq: 01 May 2020 19:41

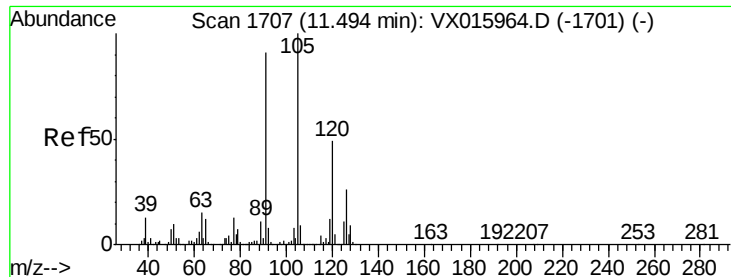
Tgt Ion: 91 Resp: 500953

Ion Ratio Lower Upper

91 100

126 33.2 17.0 51.0





#80

1,3,5-Trimethylbenzene

Concen: 51.852 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ191I-20200429MS

Tot Ion: 105 Resp: 623791

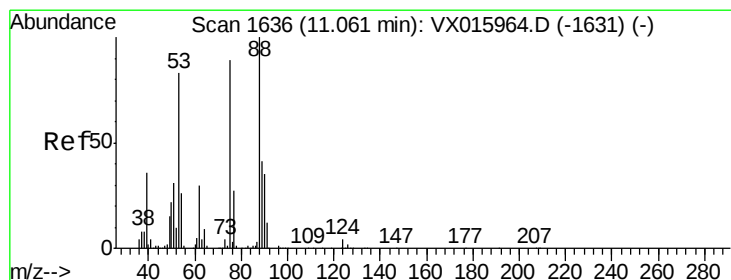
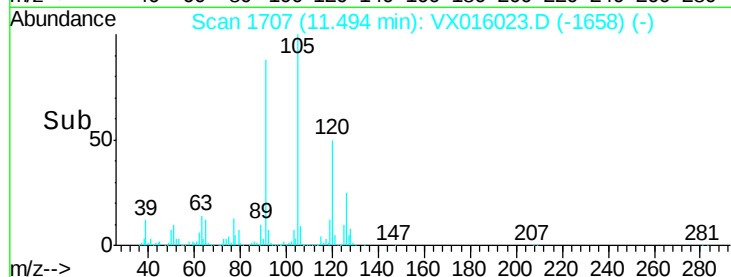
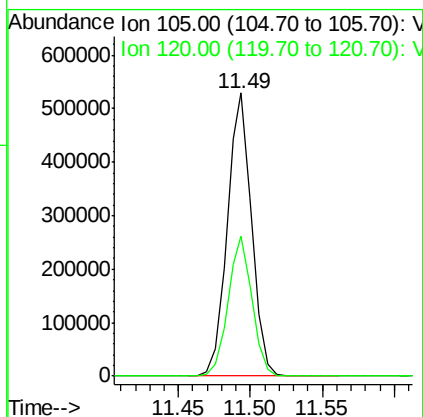
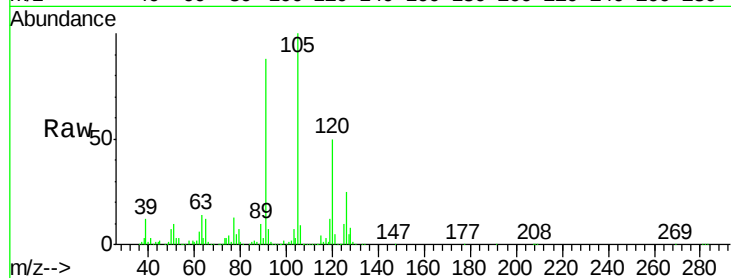
Ion Ratio Lower Upper

105 100

120 48.8 24.6 73.6

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#81

trans-1,4-Dichloro-2-butene

Concen: 49.994 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

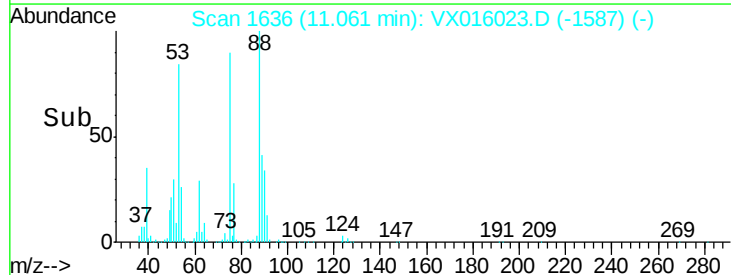
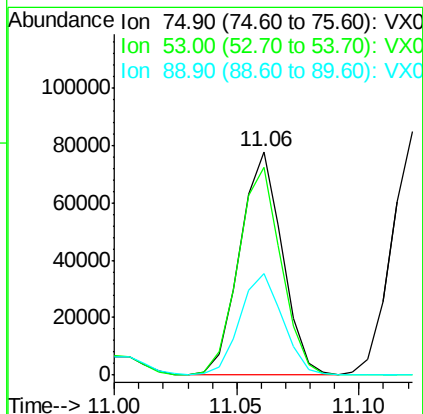
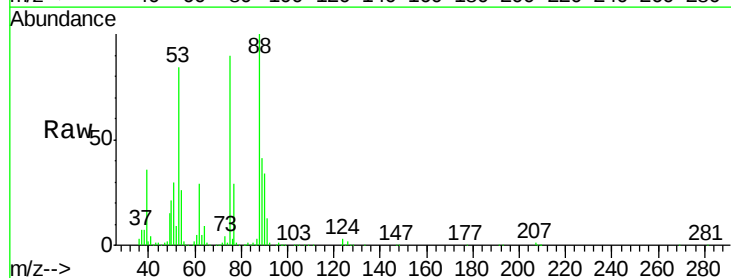
Tgt Ion: 75 Resp: 93192

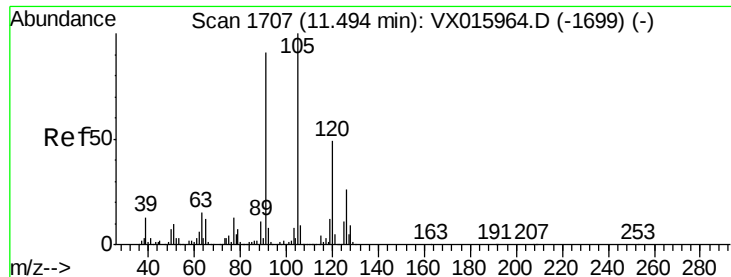
Ion Ratio Lower Upper

75 100

53 94.5 78.3 117.5

89 46.0 37.2 55.8





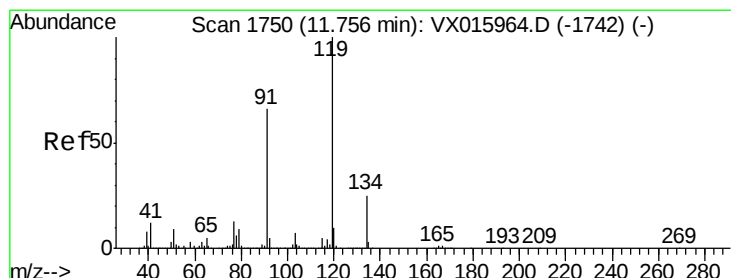
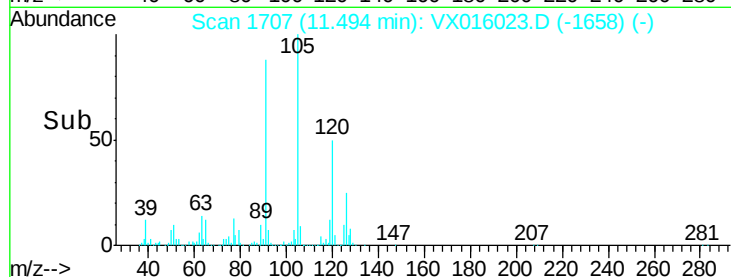
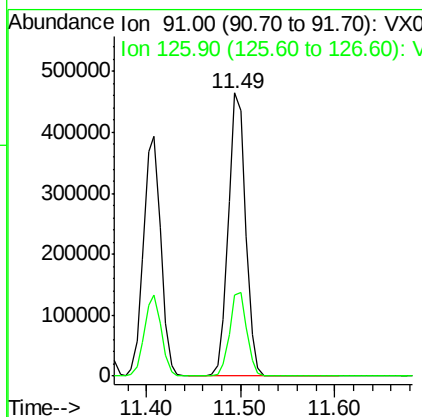
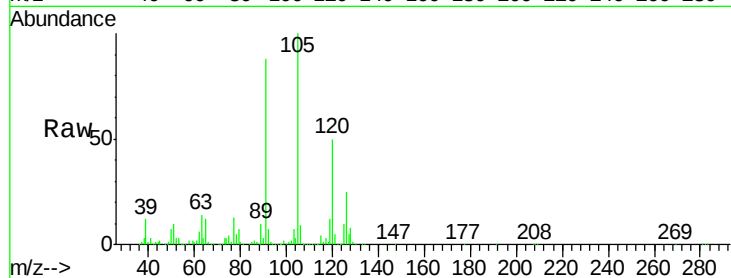
#82  
4-Chlorotoluene  
Concen: 50.519 ug/l  
RT: 11.49 min Scan# 1707  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 591436 |       |       |
| 126     | 29.5  | 14.8   | 44.3  |       |

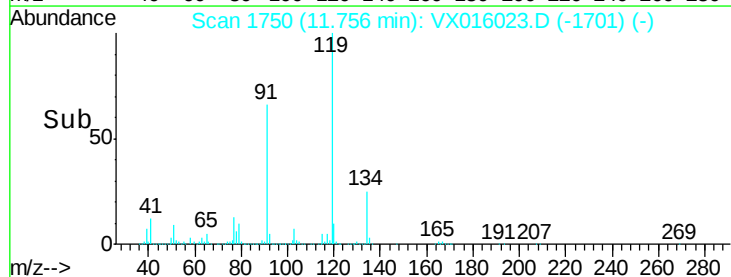
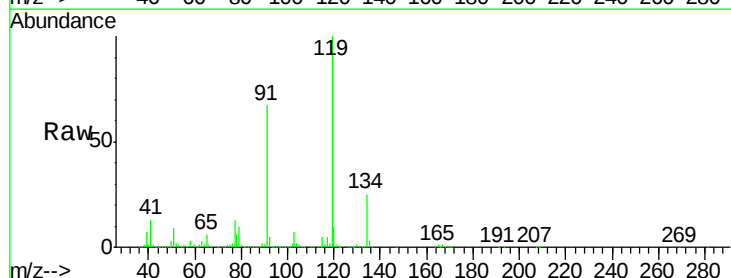
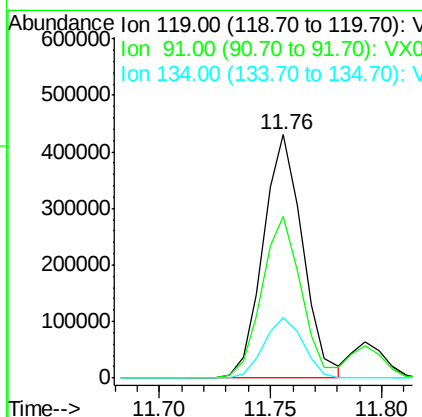
Manual Integrations  
APPROVED

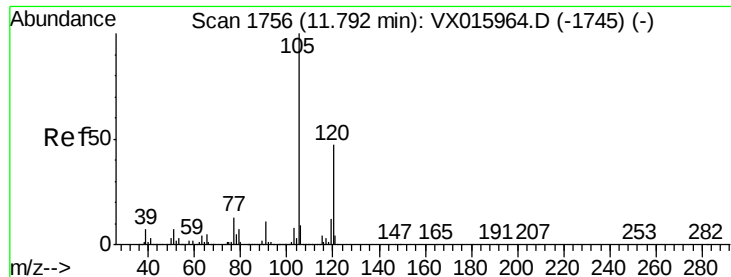
MMDadoda  
5/4/2020 2:20:03 PM



#83  
tert-Butylbenzene  
Concen: 51.151 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 530584 |       |       |
| 91      | 66.9  | 33.5   | 100.4 |       |
| 134     | 24.6  | 12.4   | 37.2  |       |





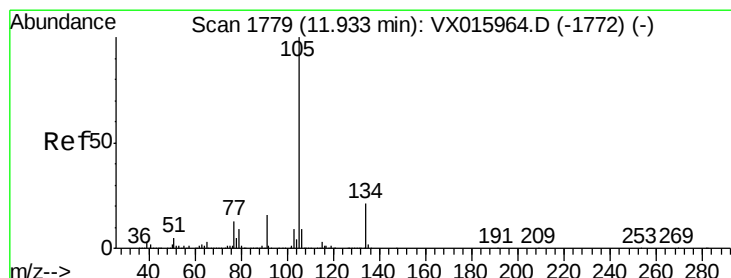
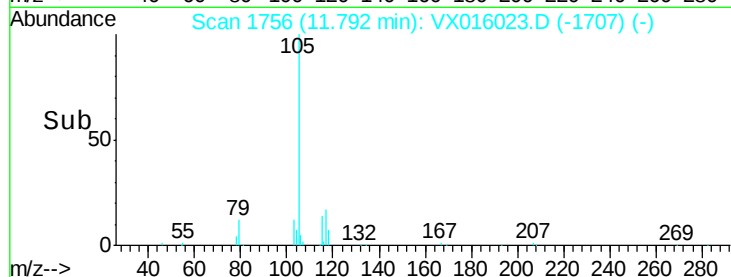
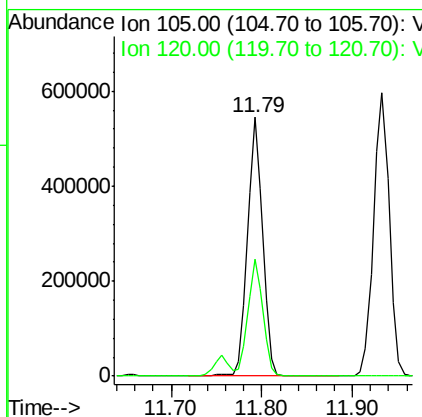
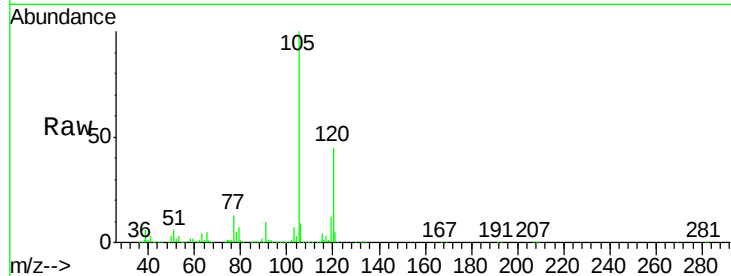
#84  
1,2,4-Trimethylbenzene  
Concen: 52.078 ug/l  
RT: 11.79 min Scan# 1756  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.0  | 22.9  | 68.8  |

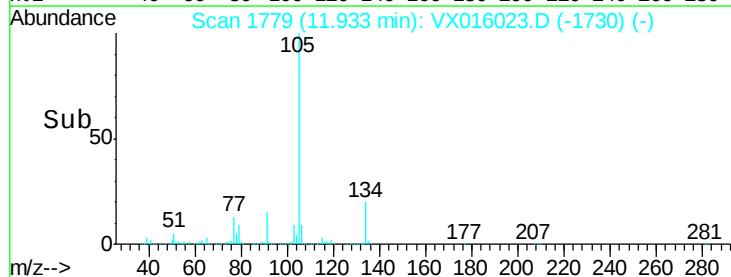
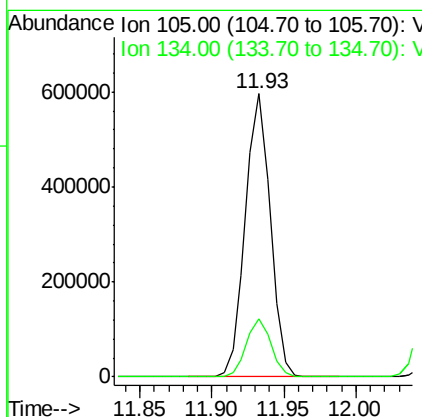
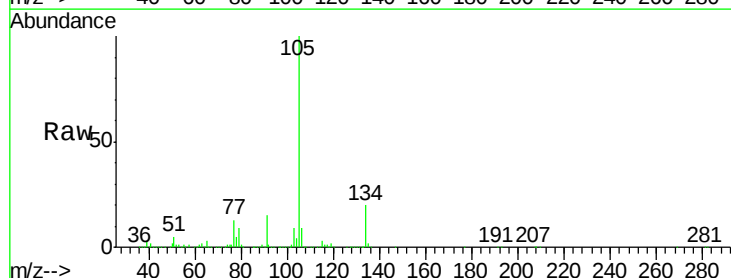
Manual Integrations  
APPROVED

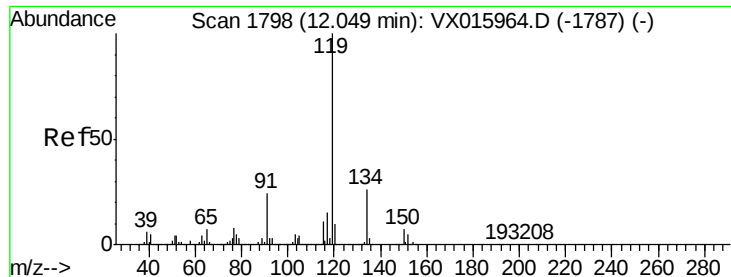
MMDadoda  
5/4/2020 2:20:03 PM



#85  
sec-Butylbenzene  
Concen: 51.264 ug/l  
RT: 11.93 min Scan# 1779  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.2  | 10.4  | 31.1  |





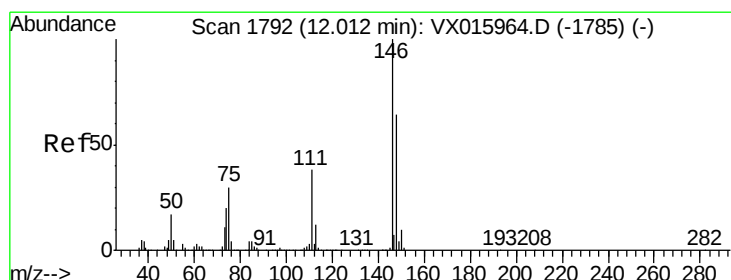
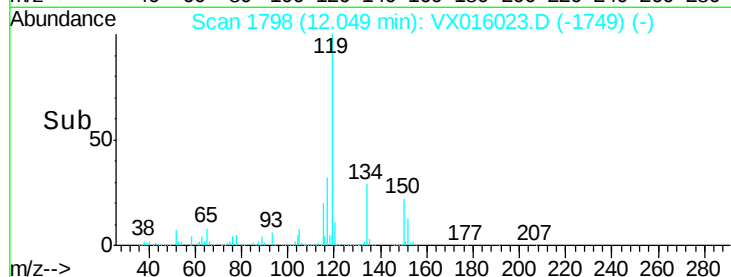
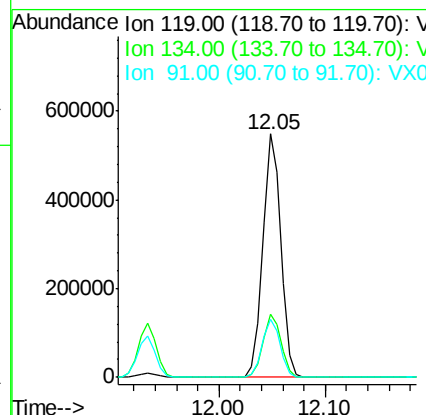
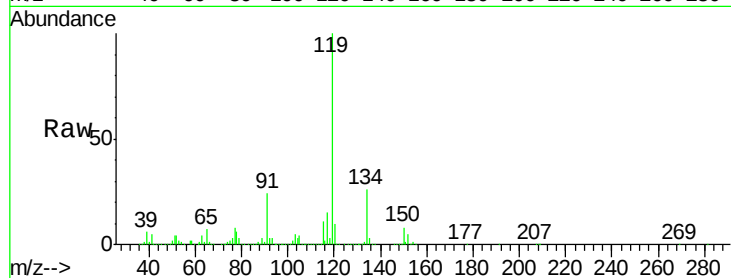
#86  
 p-Isopropyltoluene  
 Concen: 49.873 ug/l  
 RT: 12.05 min Scan# 1798  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 652850 |       |       |
| 134     | 26.1  |        | 13.0  | 39.0  |
| 91      | 23.9  |        | 11.9  | 35.9  |

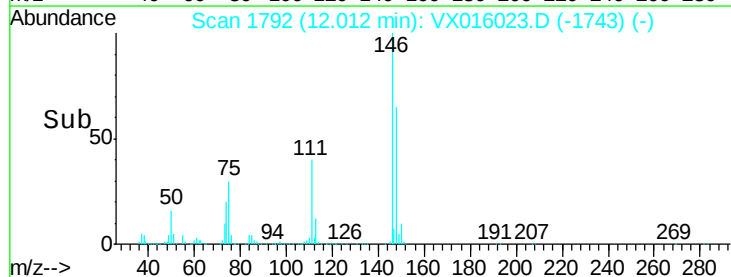
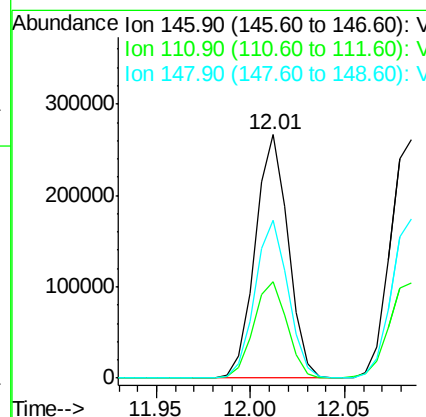
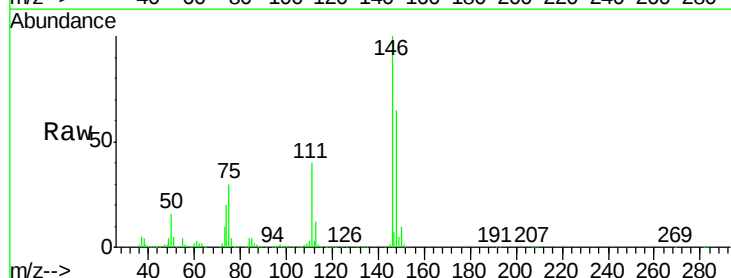
Manual Integrations  
 APPROVED

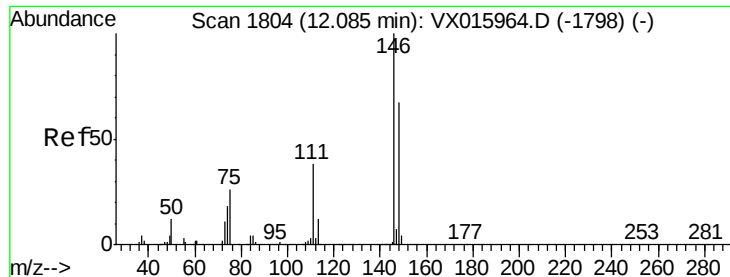
MMDadoda  
 5/4/2020 2:20:03 PM



#87  
 1,3-Dichlorobenzene  
 Concen: 48.046 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 322087 |       |       |
| 111     | 40.6  |        | 19.6  | 58.8  |
| 148     | 65.3  |        | 32.0  | 96.0  |





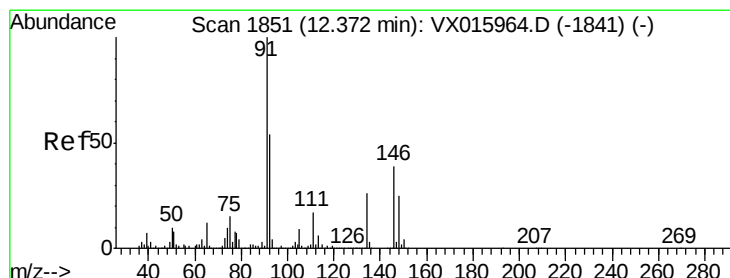
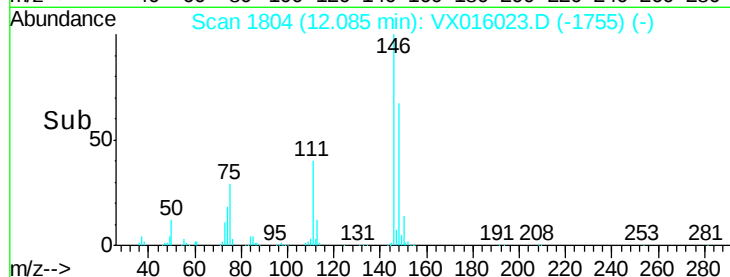
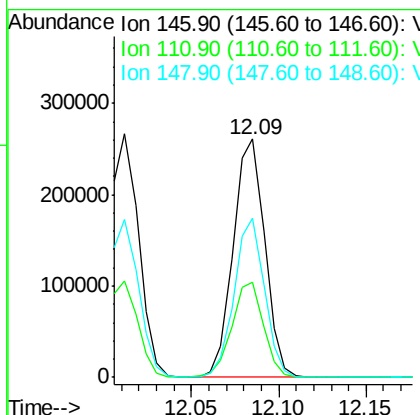
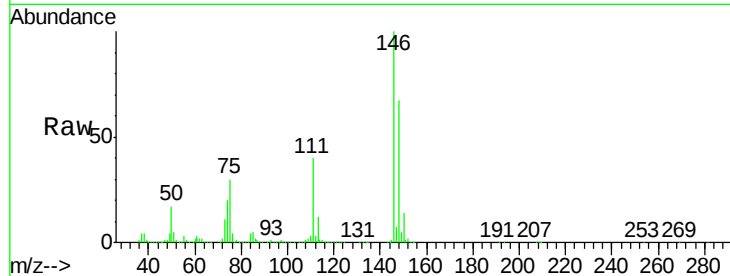
#88  
 1,4-Dichlorobenzene  
 Concen: 48.332 ug/l  
 RT: 12.09 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 327453 |       |       |
| 111     | 40.1  | 19.7   | 59.0  |       |
| 148     | 64.2  | 32.8   | 98.4  |       |

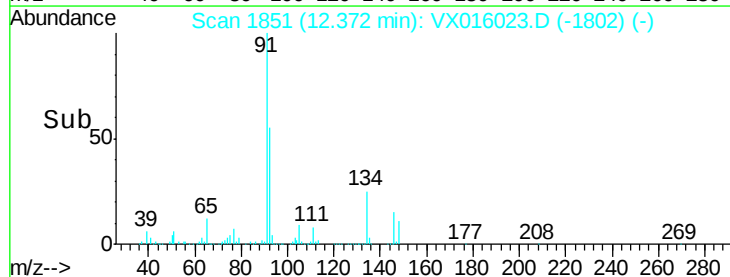
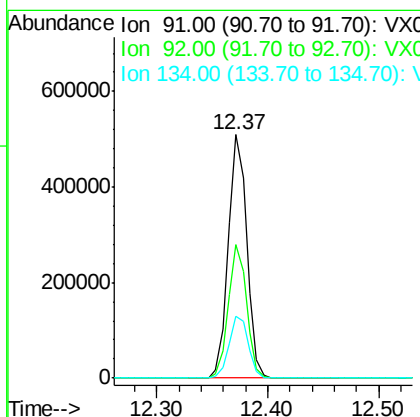
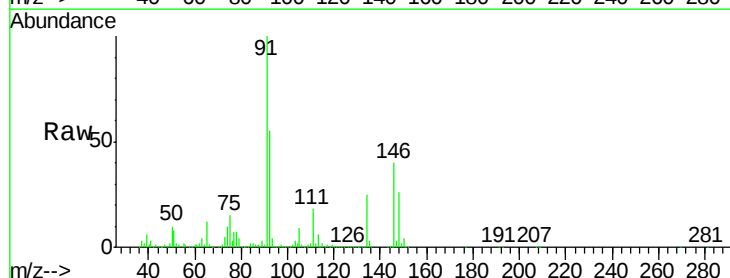
Manual Integrations  
 APPROVED

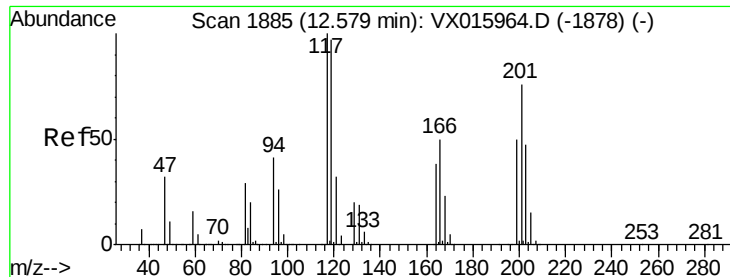
MMDadoda  
 5/4/2020 2:20:03 PM



#89  
 n-Butylbenzene  
 Concen: 49.448 ug/l  
 RT: 12.37 min Scan# 1851  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 584861 |       |       |
| 92      | 54.2  | 27.1   | 81.3  |       |
| 134     | 26.2  | 13.3   | 39.8  |       |





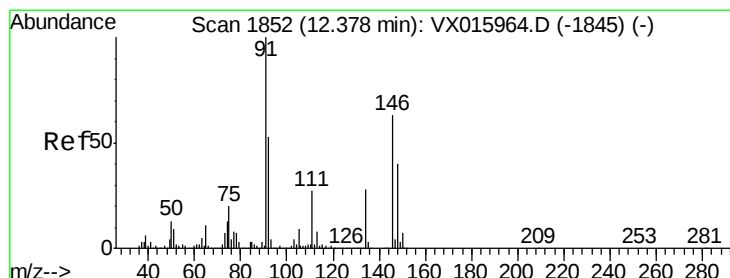
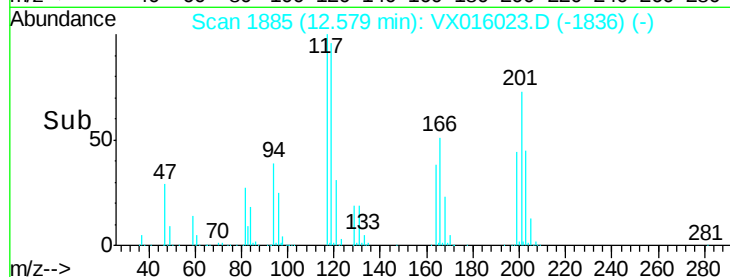
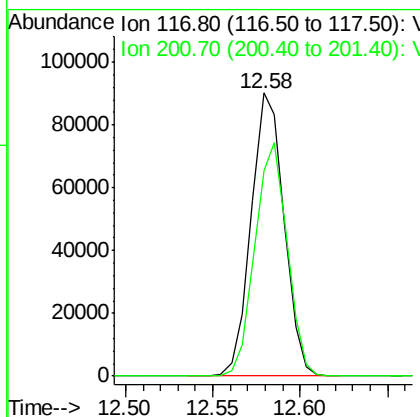
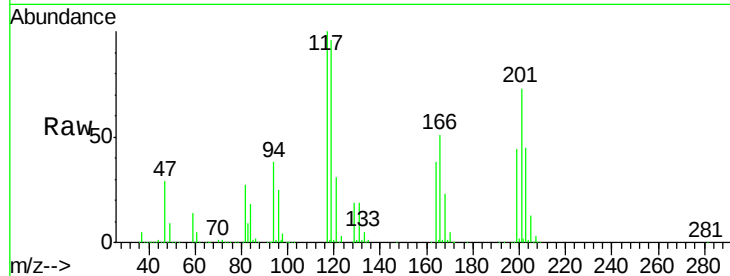
#90  
Hexachloroethane  
Concen: 50.825 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 117552 |       |       |
| 201     | 81.1  | 40.3   | 120.8 |       |

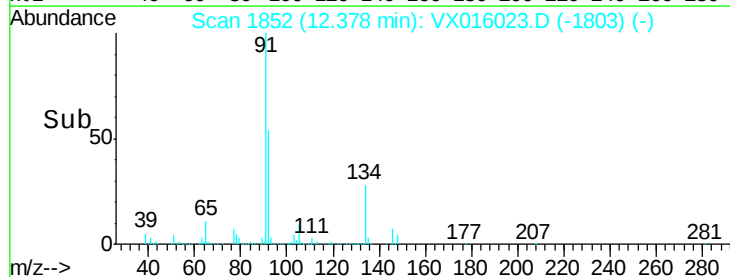
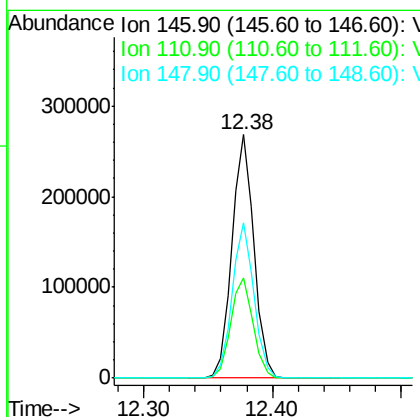
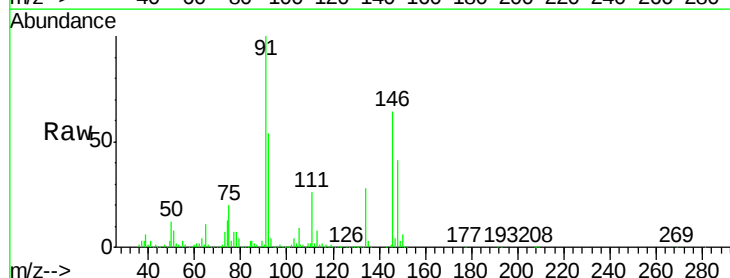
Manual Integrations  
APPROVED

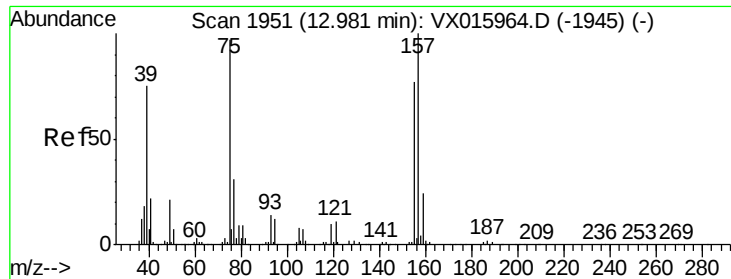
MMDadoda  
5/4/2020 2:20:03 PM



#91  
1,2-Dichlorobenzene  
Concen: 49.937 ug/l  
RT: 12.38 min Scan# 1852  
Delta R.T. 0.00 min  
Lab File: VX016023.D  
Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 320115 |       |       |
| 111     | 41.7  | 21.1   | 63.3  |       |
| 148     | 63.2  | 32.3   | 96.9  |       |





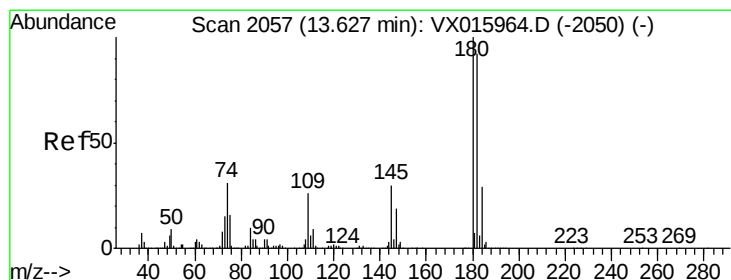
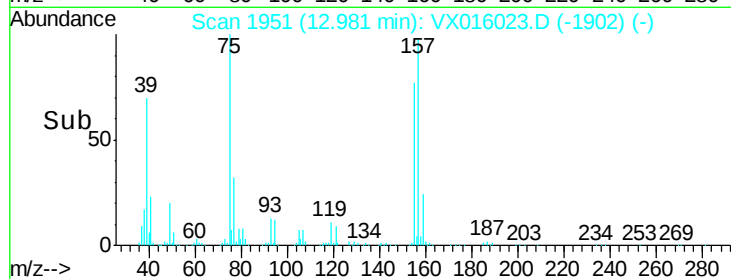
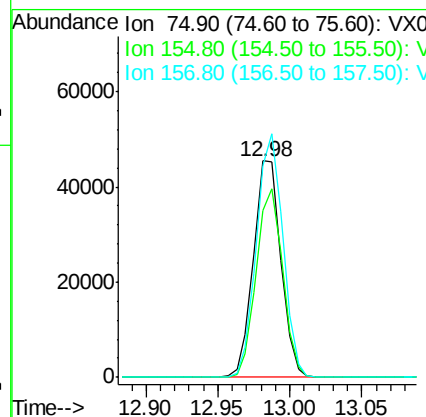
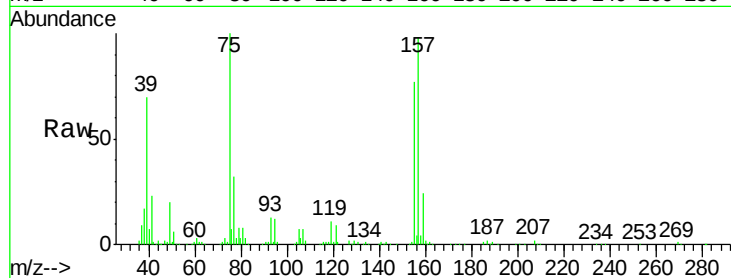
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.608 ug/l  
 RT: 12.98 min Scan# 1951  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 84.1  | 42.5  | 127.6 |
| 157     | 107.7 | 56.0  | 168.2 |

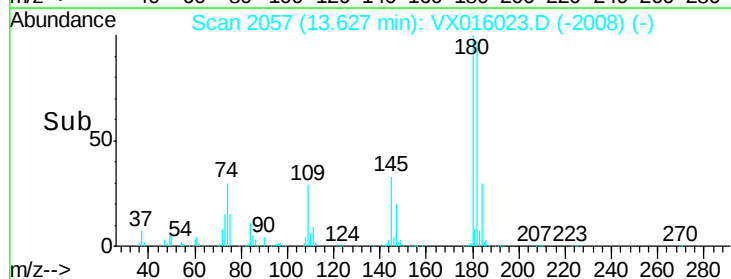
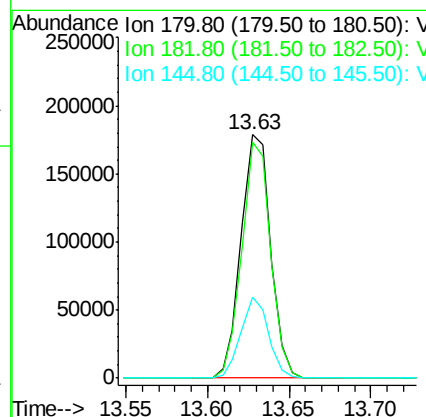
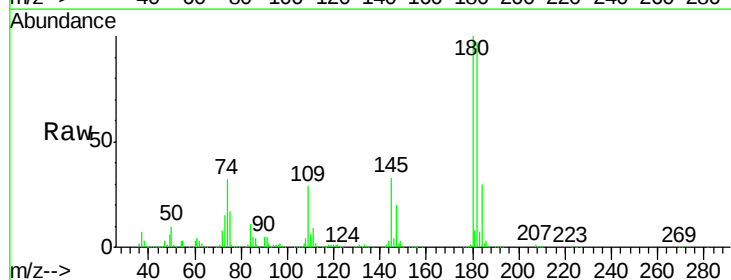
Manual Integrations  
 APPROVED

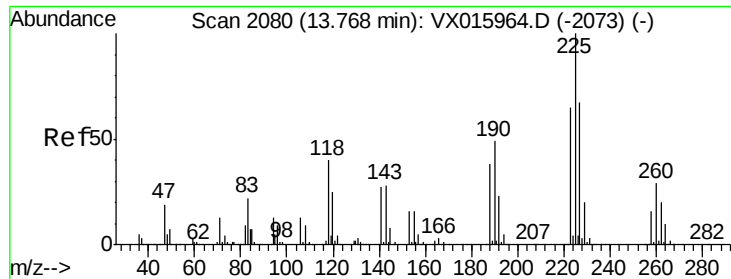
MMDadoda  
 5/4/2020 2:20:03 PM



#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.060 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.4  | 46.9  | 140.6 |
| 145     | 31.1  | 14.7  | 44.1  |





#94

Hexachlorobutadiene

Concen: 44.349 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA\_X

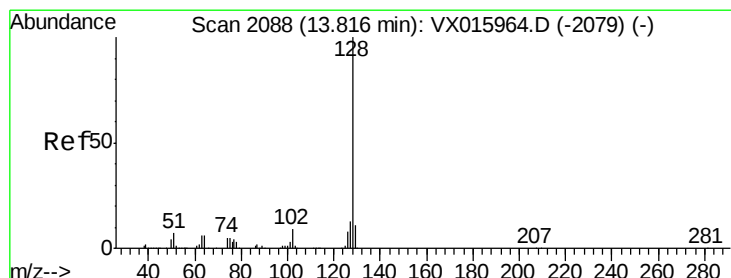
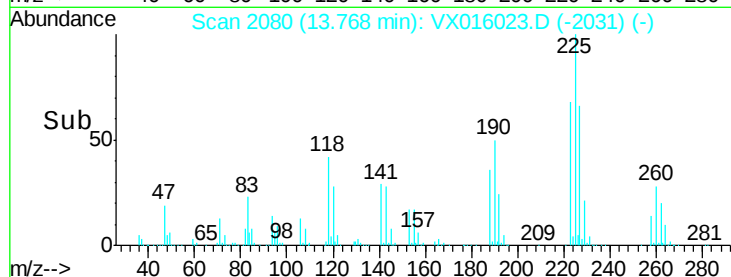
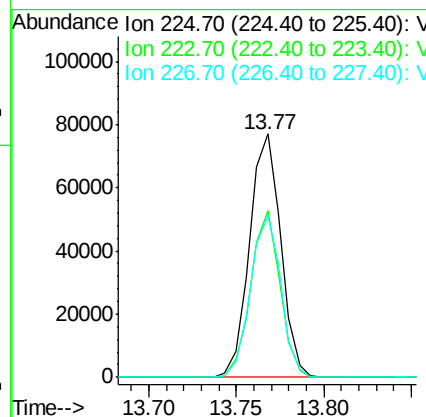
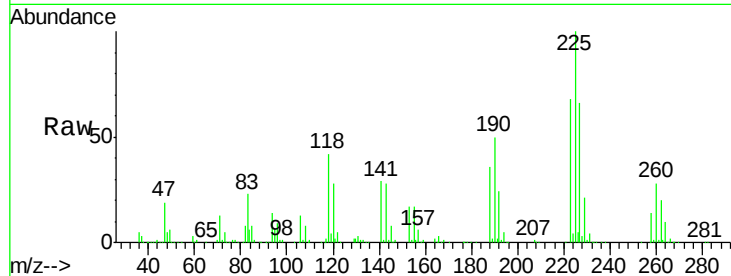
ClientSampleId :

SA-PZ191I-20200429MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 95336 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.2  | 32.0  | 96.0  |
| 227       | 64.4  | 33.0  | 99.0  |

Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:20:03 PM



#95

Naphthalene

Concen: 50.758 ug/l

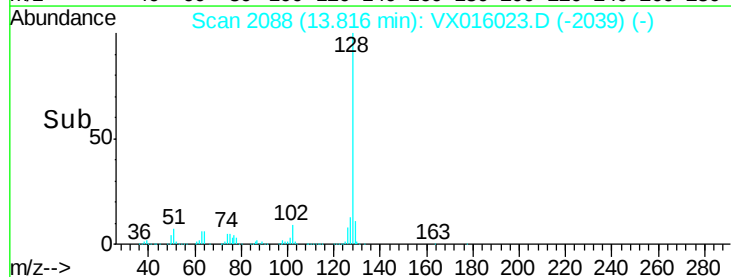
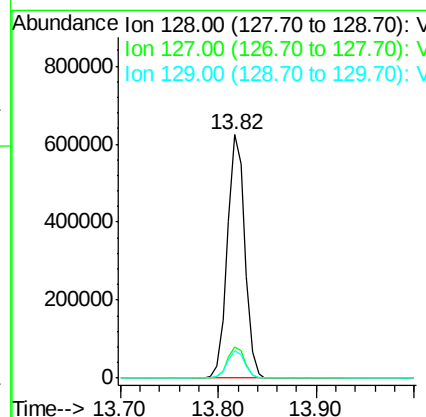
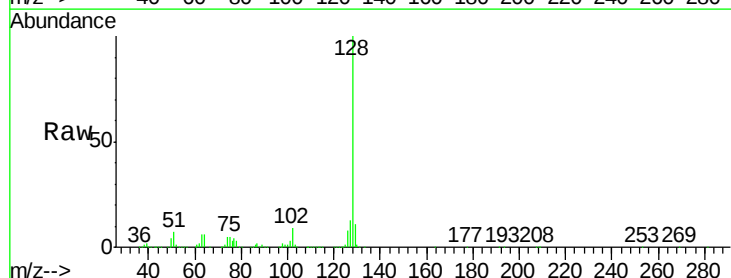
RT: 13.82 min Scan# 2088

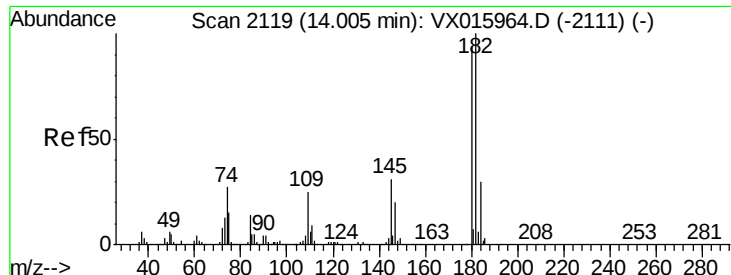
Delta R.T. 0.00 min

Lab File: VX016023.D

Acq: 01 May 2020 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 770251 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.4  | 15.6   |
| 129       | 11.2  | 8.7   | 13.1   |





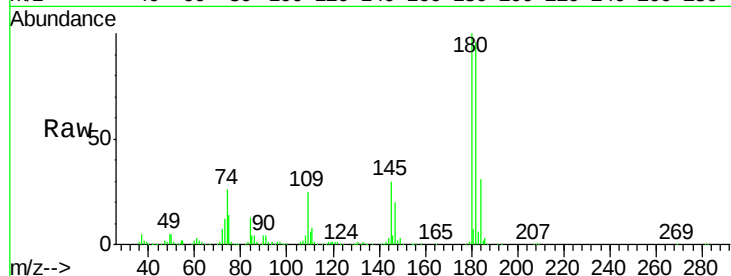
#96  
 1,2,3-Trichlorobenzene  
 Concen: 48.909 ug/l  
 RT: 14.01 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VX016023.D  
 Acq: 01 May 2020 19:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ191I-20200429MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 93.7  | 48.7       | 146.1 |
| 145     | 32.0  | 16.1       | 48.3  |

Manual Integrations  
 APPROVED

MMDadoda  
 5/4/2020 2:20:03 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

