

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\  
 Data File : VX016999.D  
 Acq On : 26 Jun 2020 23:18  
 Operator : JC/SP  
 Sample : VX0626WBS02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 27 02:42:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jun 26 09:03:25 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 4.98  | 128  | 55948    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.83  | 114  | 298985   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.10 | 117  | 278355   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.03   | 65    | 125352   | 28.79    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 95.97%  |
| 60) 4-Bromofluorobenzene  | 11.12  | 95    | 140860   | 30.34    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 101.13% |
| 63) Toluene-d8            | 8.70   | 98    | 371140   | 30.25    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 100.83% |

## Target Compounds

|                               |      |     |        |        | Ovalue     |
|-------------------------------|------|-----|--------|--------|------------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 58677  | 21.567 | ug/l 98    |
| 3) Chloromethane              | 1.32 | 50  | 68531  | 18.575 | ug/l 100   |
| 4) Vinyl Chloride             | 1.39 | 62  | 65043  | 17.288 | ug/l 95    |
| 5) Bromomethane               | 1.64 | 94  | 43075  | 15.900 | ug/l 100   |
| 6) Chloroethane               | 1.72 | 64  | 39682  | 16.353 | ug/l 99    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 97408  | 15.919 | ug/l 97    |
| 8) Diethyl Ether              | 2.17 | 74  | 36721  | 16.493 | ug/l 99    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 59020  | 18.174 | ug/l 94    |
| 10) 1,1-Dichloroethene        | 2.36 | 96  | 59238  | 18.495 | ug/l 92    |
| 11) Methyl Iodide             | 2.49 | 142 | 70076  | 16.386 | ug/l 94    |
| 12) Methyl Acetate            | 2.75 | 43  | 76291  | 18.883 | ug/l 97    |
| 13) Acrolein                  | 2.27 | 56  | 48892  | 76.694 | ug/l 99    |
| 14) Acrylonitrile             | 3.12 | 53  | 180206 | 94.176 | ug/l 99    |
| 15) Acetone                   | 2.42 | 58  | 47218  | 95.353 | ug/l 99    |
| 16) Carbon Disulfide          | 2.55 | 76  | 174036 | 17.285 | ug/l 99    |
| 17) Allyl chloride            | 2.71 | 41  | 110508 | 18.431 | ug/l 95    |
| 18) Methylene Chloride        | 2.84 | 84  | 70880  | 18.373 | ug/l 95    |
| 19) trans-1,2-Dichloroethene  | 3.14 | 96  | 66920  | 18.441 | ug/l 98    |
| 20) Diisopropyl ether         | 3.82 | 45  | 229037 | 19.114 | ug/l 95    |
| 21) 1,1-Dichloroethane        | 3.67 | 63  | 123235 | 18.651 | ug/l 99    |
| 22) cis-1,2-Dichloroethene    | 4.56 | 96  | 75412  | 18.665 | ug/l 95    |
| 23) tert-Butyl Alcohol        | 3.01 | 59  | 75111  | 88.614 | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 3.17 | 73  | 210306 | 18.389 | ug/l 97    |
| 25) Chloroform                | 5.18 | 83  | 125960 | 18.803 | ug/l 100   |
| 26) Cyclohexane               | 5.55 | 56  | 101656 | 17.637 | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 5.77 | 75  | 88506  | 18.171 | ug/l 98    |
| 30) 2-Butanone                | 4.64 | 43  | 250579 | 98.702 | ug/l 98    |
| 31) 2,2-Dichloropropane       | 4.56 | 77  | 88839  | 15.904 | ug/l 100   |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 112209 | 19.039 | ug/l 98    |
| 33) Carbon Tetrachloride      | 5.76 | 117 | 100985 | 19.321 | ug/l 99    |
| 34) Benzene                   | 6.12 | 78  | 270609 | 19.081 | ug/l 98    |
| 35) Methacrylonitrile         | 5.01 | 41  | 56621  | 20.209 | ug/l 94    |
| 36) 1,2-Dichloroethane        | 6.17 | 62  | 100608 | 18.523 | ug/l 100   |
| 37) Trichloroethene           | 7.18 | 130 | 87297  | 22.558 | ug/l 93    |
| 38) Methylcyclohexane         | 7.44 | 83  | 96824  | 17.456 | ug/l 96    |
| 39) 1,2-Dichloropropane       | 7.49 | 63  | 70878  | 19.183 | ug/l 95    |
| 40) Dibromomethane            | 7.64 | 93  | 48603  | 19.086 | ug/l 97    |

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 Sample : VX0626WBS02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 27 02:42:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jun 26 09:03:25 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 7.88  | 83   | 100599   | 19.078  | ug/l  | 93       |
| 42) Vinyl Acetate              | 3.79  | 43   | 955761   | 93.421  | ug/l  | 99       |
| 43) Ethyl Acetate              | 4.79  | 43   | 99049    | 18.835  | ug/l  | 100      |
| 44) Isopropyl Acetate          | 6.41  | 43   | 155596   | 17.951  | ug/l  | 98       |
| 45) 1,4-Dioxane                | 7.71  | 88   | 35505    | 406.019 | ug/l  | 96       |
| 46) Methyl methacrylate        | 7.74  | 41   | 75782    | 18.892  | ug/l  | 94       |
| 47) n-amyl Acetate             | 10.88 | 43   | 135960   | 17.745  | ug/l  | 98       |
| 48) t-1,3-Dichloropropene      | 9.02  | 75   | 104978   | 18.006  | ug/l  | 97       |
| 49) cis-1,3-Dichloropropene    | 8.42  | 75   | 113583   | 18.537  | ug/l  | 97       |
| 50) 1,1,2-Trichloroethane      | 9.20  | 97   | 69640    | 19.595  | ug/l  | 98       |
| 51) Ethyl methacrylate         | 9.16  | 69   | 99345    | 18.215  | ug/l  | 96       |
| 52) 1,3-Dichloropropane        | 9.35  | 76   | 116152   | 19.037  | ug/l  | 96       |
| 53) Dibromochloromethane       | 9.57  | 129  | 79867    | 19.553  | ug/l  | 98       |
| 54) 1,2-Dibromoethane          | 9.65  | 107  | 74355    | 19.717  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether  | 8.29  | 63   | 285158   | 99.355  | ug/l  | 99       |
| 56) Bromoform                  | 10.84 | 173  | 56106    | 19.350  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone       | 8.62  | 43   | 498279   | 97.180  | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.47  | 43   | 365492   | 95.513  | ug/l  | 98       |
| 61) Tetrachloroethene          | 9.32  | 164  | 66518    | 18.738  | ug/l  | 93       |
| 62) Toluene                    | 8.76  | 91   | 292403   | 19.206  | ug/l  | 99       |
| 64) Chlorobenzene              | 10.12 | 112  | 183520   | 19.241  | ug/l  | 95       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 71005    | 19.774  | ug/l  | 98       |
| 66) Ethyl Benzene              | 10.24 | 91   | 315469   | 18.685  | ug/l  | 97       |
| 67) m/p-Xylenes                | 10.34 | 106  | 245393   | 38.529  | ug/l  | 97       |
| 68) o-Xylene                   | 10.68 | 106  | 114207   | 18.667  | ug/l  | 100      |
| 69) Styrene                    | 10.70 | 104  | 198984   | 18.995  | ug/l  | 97       |
| 70) Isopropylbenzene           | 11.00 | 105  | 312649   | 18.842  | ug/l  | 98       |
| 71) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 99568    | 19.538  | ug/l  | 97       |
| 72) 1,2,3-Trichloropropane     | 11.28 | 75   | 123227   | 25.180  | ug/l  | 87       |
| 73) Bromobenzene               | 11.24 | 156  | 79537    | 18.992  | ug/l  | 95       |
| 74) n-propylbenzene            | 11.34 | 91   | 359278   | 18.235  | ug/l  | 99       |
| 75) 2-Chlorotoluene            | 11.40 | 91   | 217261   | 18.910  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 262986   | 18.881  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene    | 11.05 | 75   | 34257    | 17.273  | ug/l  | 93       |
| 78) 4-Chlorotoluene            | 11.49 | 91   | 257778   | 18.950  | ug/l  | 99       |
| 79) tert-butylbenzene          | 11.76 | 119  | 251328   | 18.836  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 267835   | 19.154  | ug/l  | 99       |
| 81) sec-Butylbenzene           | 11.93 | 105  | 294798   | 18.248  | ug/l  | 99       |
| 82) p-Isopropyltoluene         | 12.05 | 119  | 269396   | 18.469  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene        | 12.01 | 146  | 141819   | 18.897  | ug/l  | 98       |
| 84) 1,4-Dichlorobenzene        | 12.08 | 146  | 146590   | 19.441  | ug/l  | 100      |
| 85) n-Butylbenzene             | 12.37 | 91   | 233878   | 17.322  | ug/l  | 99       |
| 86) Hexachloroethane           | 12.58 | 117  | 54047    | 18.933  | ug/l  | 97       |
| 87) 1,2-Dichlorobenzene        | 12.38 | 146  | 138201   | 19.674  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 22559    | 19.457  | ug/l  | 99       |
| 89) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 88658    | 18.707  | ug/l  | 97       |
| 90) Hexachlorobutadiene        | 13.77 | 225  | 34106    | 18.918  | ug/l  | 98       |
| 91) Naphthalene                | 13.82 | 128  | 295936   | 19.051  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 88558    | 19.148  | ug/l  | 99       |

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Sample : VX0626WBS02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

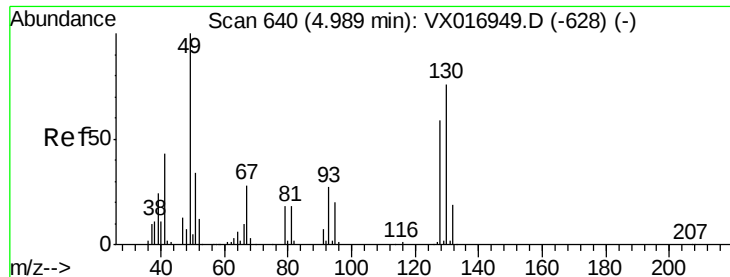
Quant Time: Jun 27 02:42:06 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Jun 26 09:03:25 2020  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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



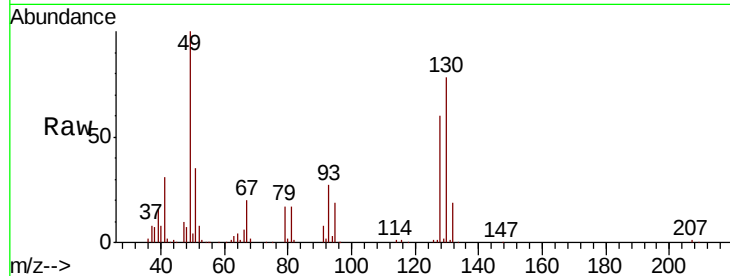


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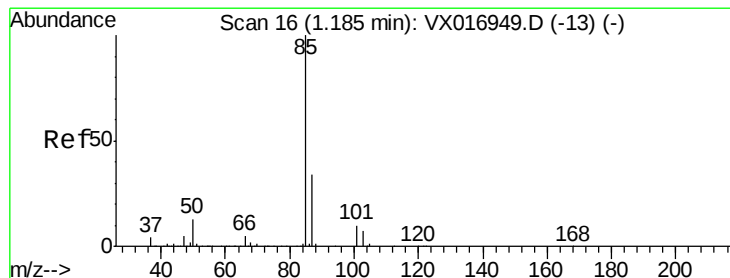
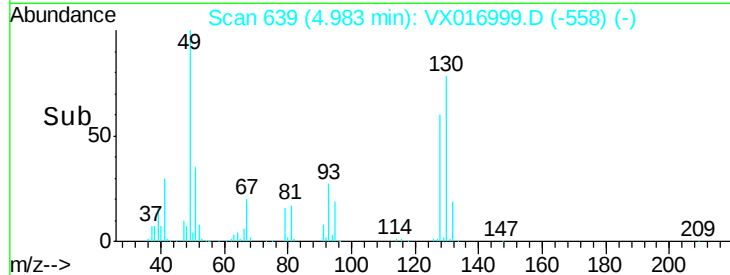
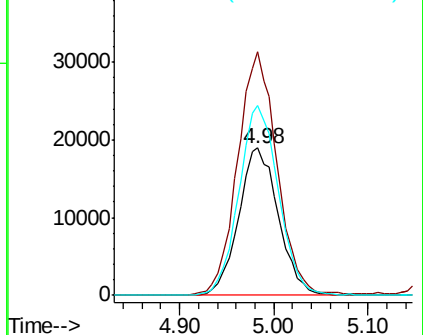
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. -0.01 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 162.7 | 0.0   | 428.0 |
| 130     | 128.5 | 0.0   | 318.0 |



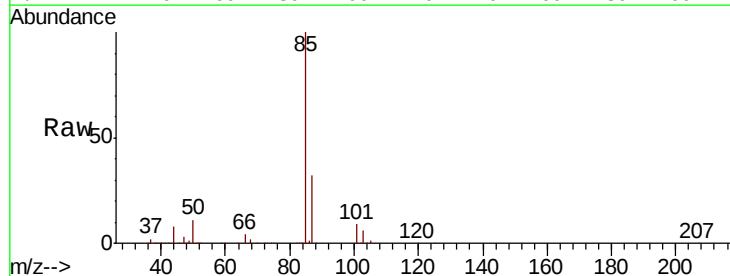
Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): VX0  
Ion 130.00 (129.70 to 130.70): V



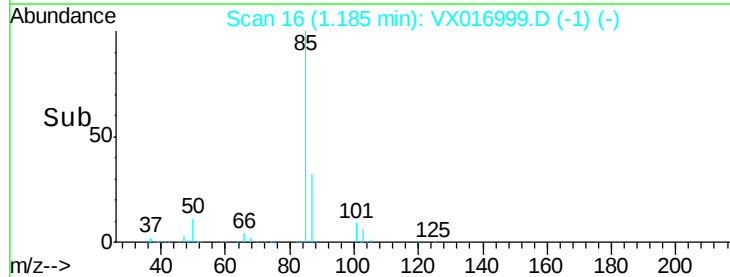
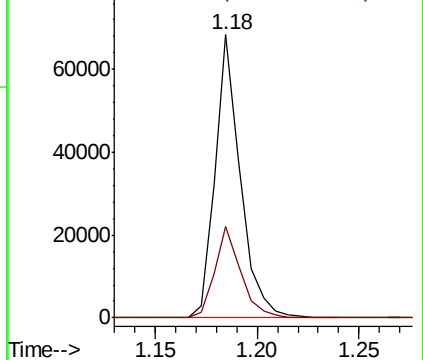
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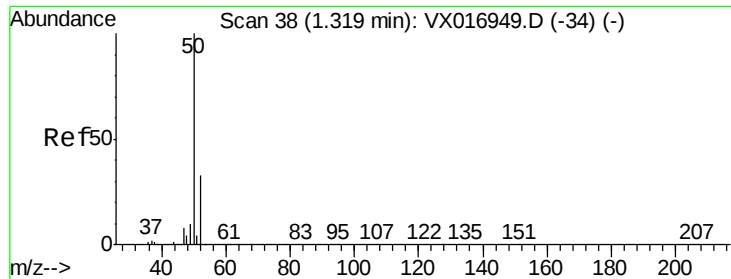
Dichlorodifluoromethane  
Concen: 21.567 ug/l  
RT: 1.18 min Scan# 16  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 32.5  | 16.9  | 50.7  |



Abundance Ion 85.00 (84.70 to 85.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.575 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

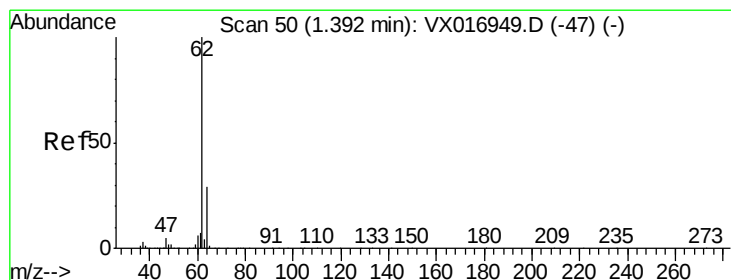
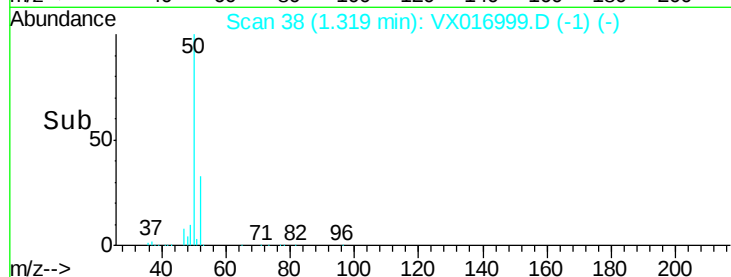
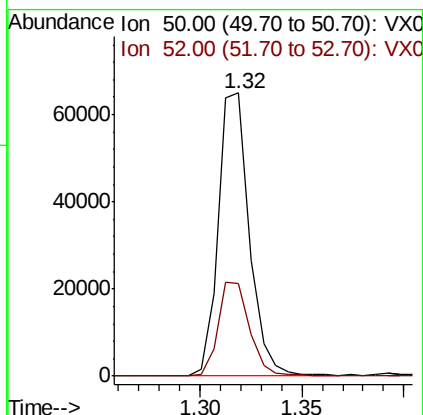
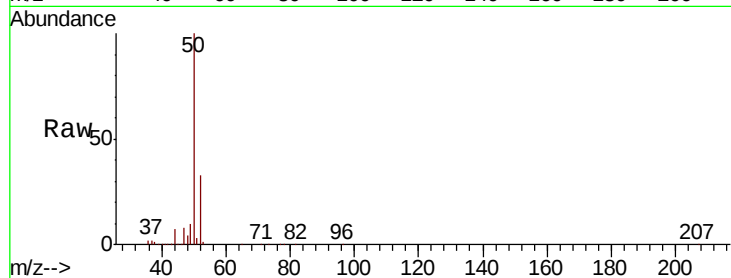
ClientSampleId :

Tot Ion: 50 Resp: 68531

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



#4

Vinyl Chloride

Concen: 17.288 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016999.D

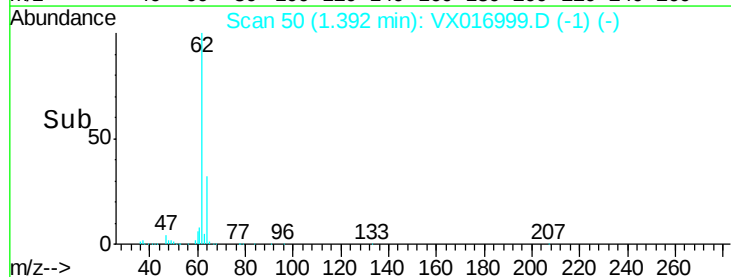
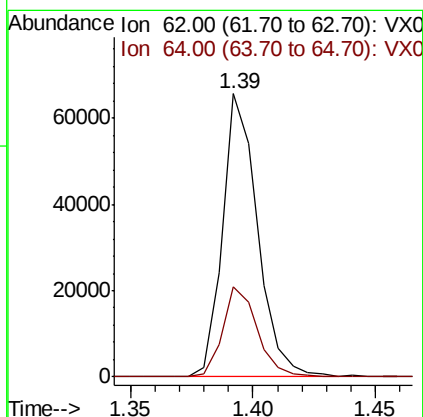
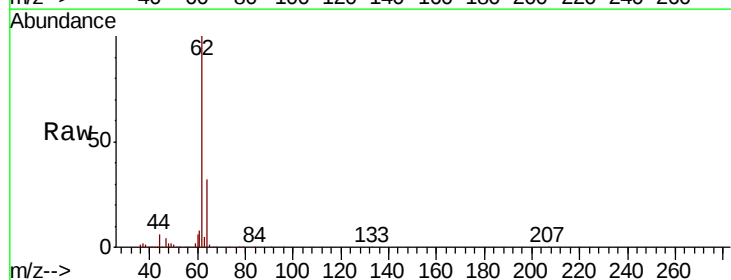
Acq: 26 Jun 2020 23:18

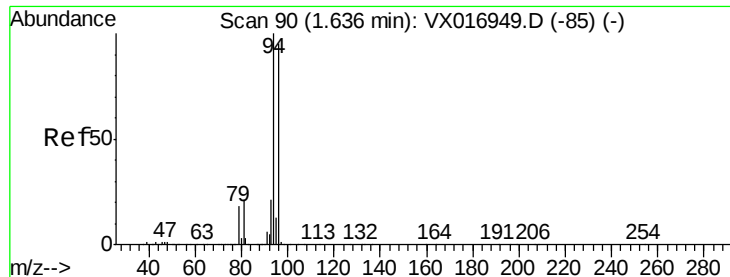
Tgt Ion: 62 Resp: 65043

Ion Ratio Lower Upper

62 100

64 31.9 23.4 35.0





#5

Bromomethane

Concen: 15.900 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

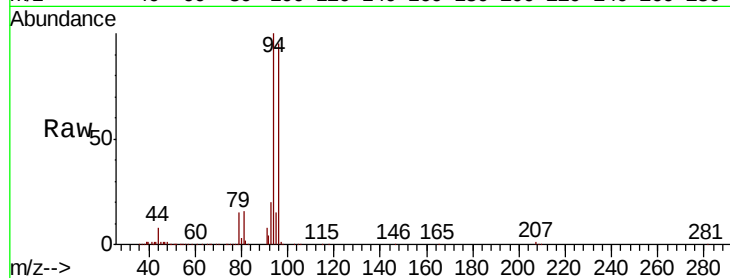
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 94 Resp: 43075

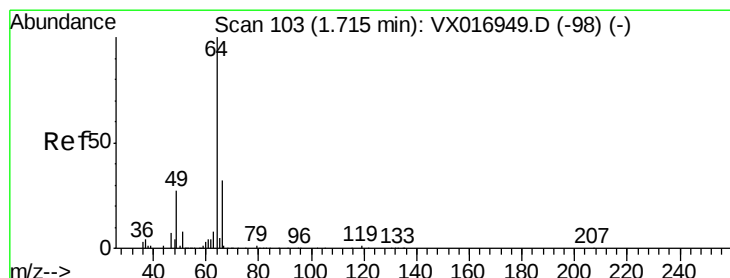
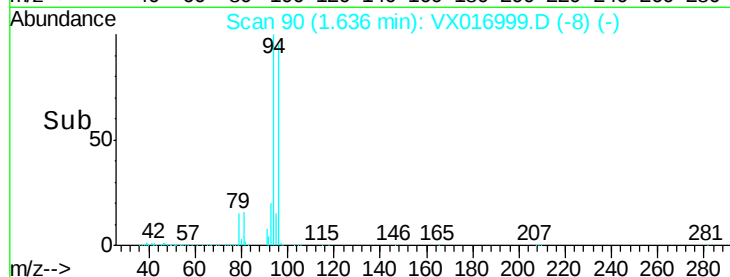
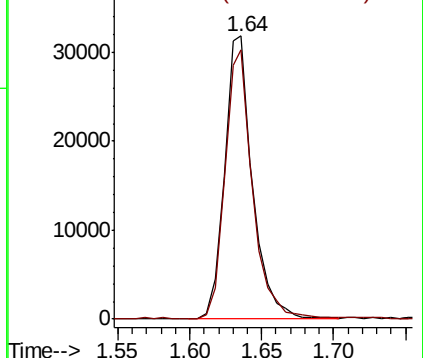
Ion Ratio Lower Upper

94 100

96 94.9 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VX0  
Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 16.353 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX016999.D

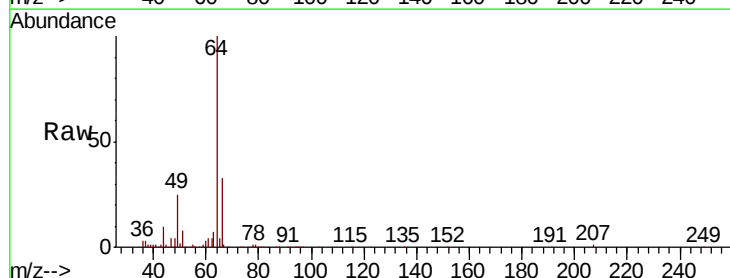
Acq: 26 Jun 2020 23:18

Tgt Ion: 64 Resp: 39682

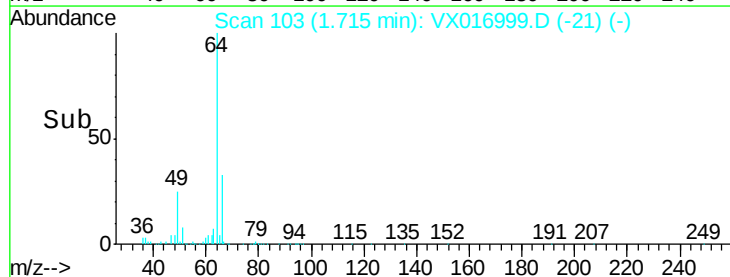
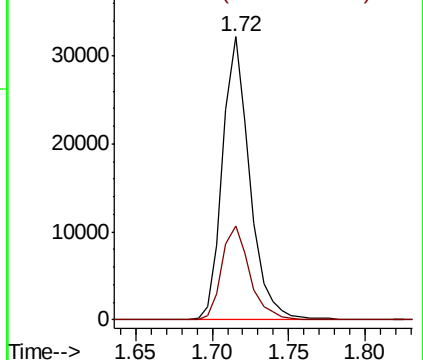
Ion Ratio Lower Upper

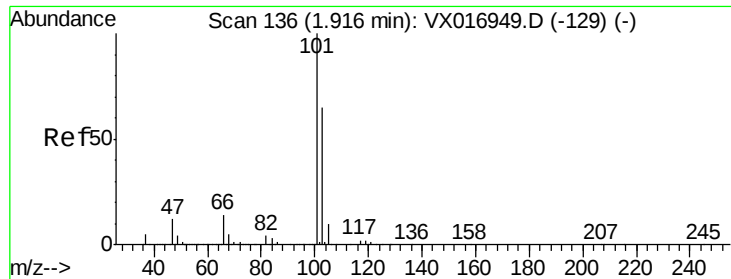
64 100

66 33.1 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VX0  
Ion 66.00 (65.70 to 66.70): VX0



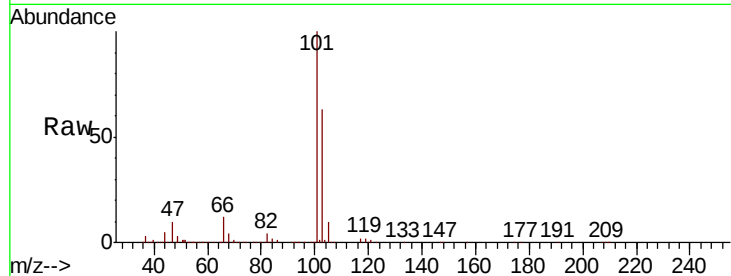


#7

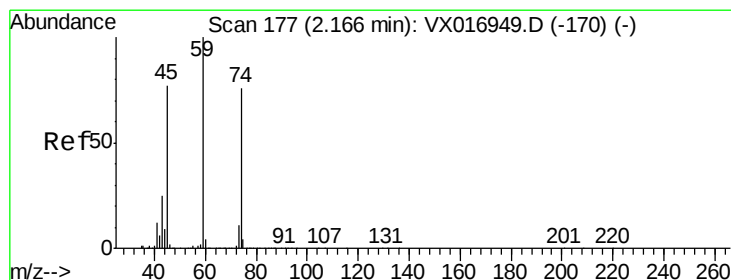
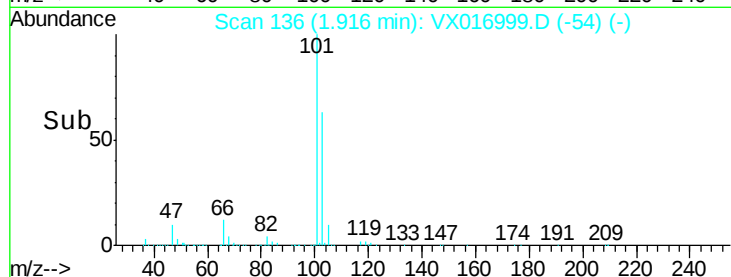
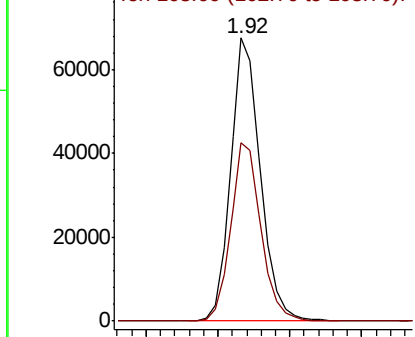
Trichlorofluoromethane  
Concen: 15.919 ug/l  
RT: 1.92 min Scan# 136  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:101 Resp: 97408  
Ion Ratio Lower Upper  
101 100  
103 62.9 52.1 78.1



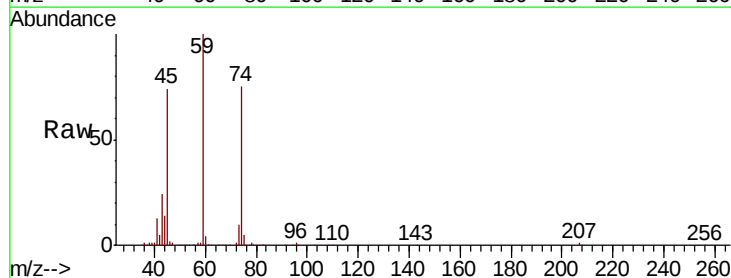
Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 103.00 (102.70 to 103.70): V



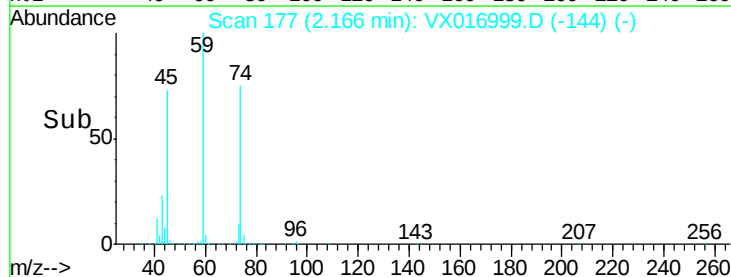
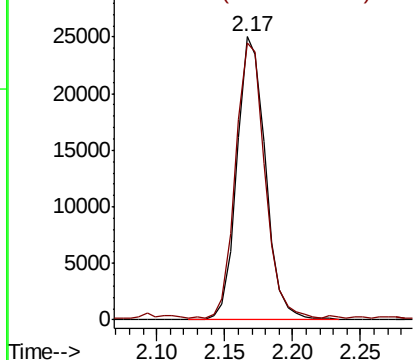
#8

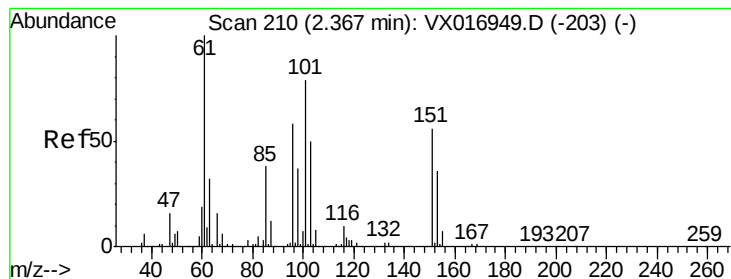
Diethyl Ether  
Concen: 16.493 ug/l  
RT: 2.17 min Scan# 177  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 74 Resp: 36721  
Ion Ratio Lower Upper  
74 100  
45 99.8 19.8 178.2



Abundance Ion 74.00 (73.70 to 74.70): VX0  
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.174 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

ClientSampleId :

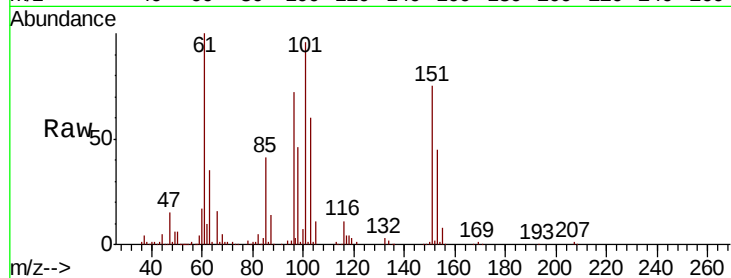
Tot Ion:101 Resp: 59020

Ion Ratio Lower Upper

101 100

85 43.3 0.0 94.6

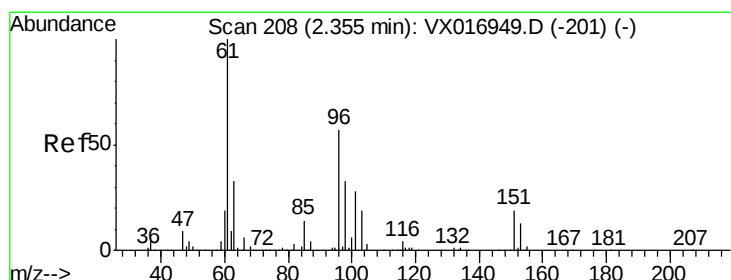
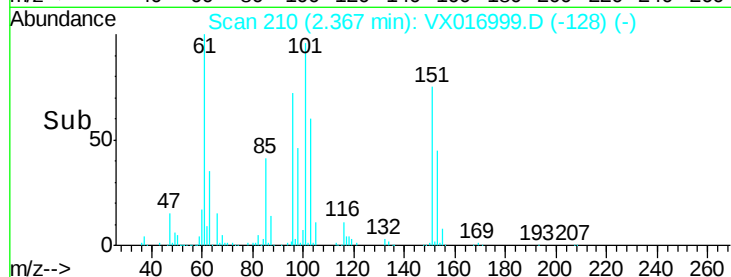
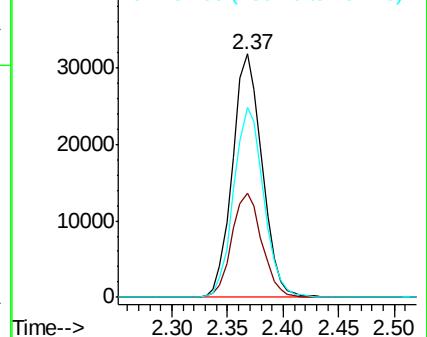
151 78.4 0.0 145.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.495 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

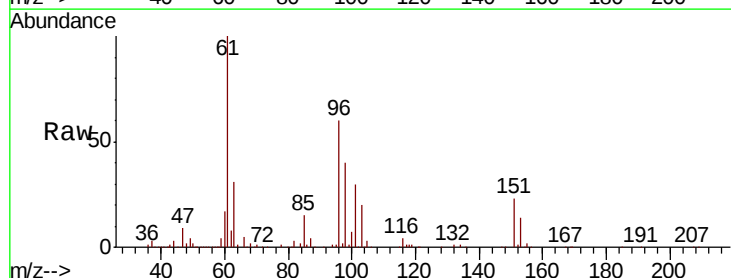
Tgt Ion: 96 Resp: 59238

Ion Ratio Lower Upper

96 100

61 166.3 141.3 211.9

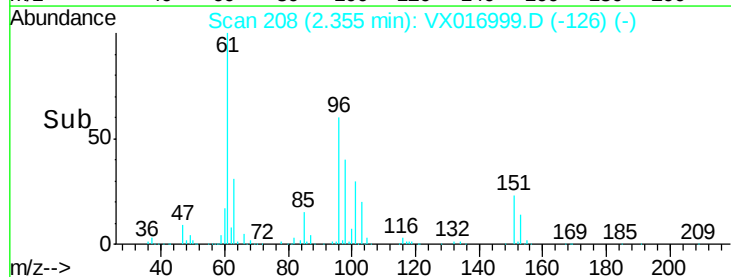
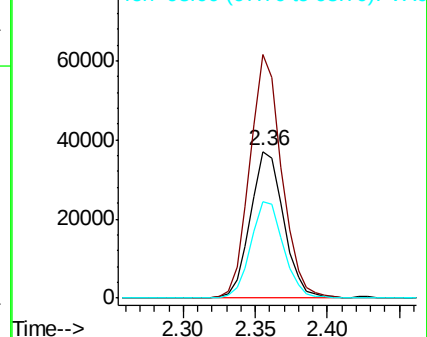
98 66.1 47.0 70.4

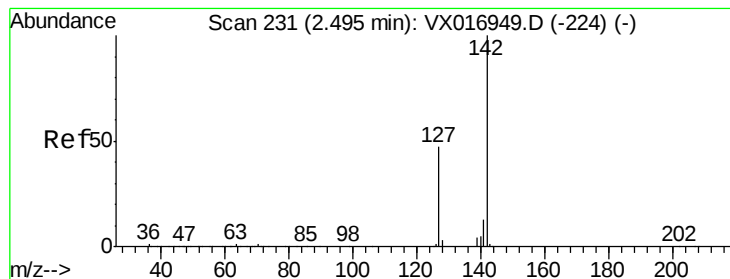


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methyl Iodide

Concen: 16.386 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

ClientSampled :

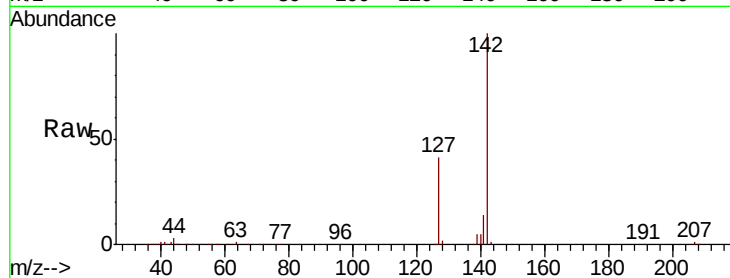
Tot Ion:142 Resp: 70076

Ion Ratio Lower Upper

142 100

127 41.3 23.3 69.9

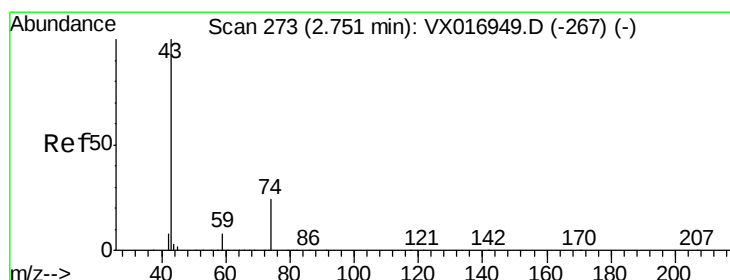
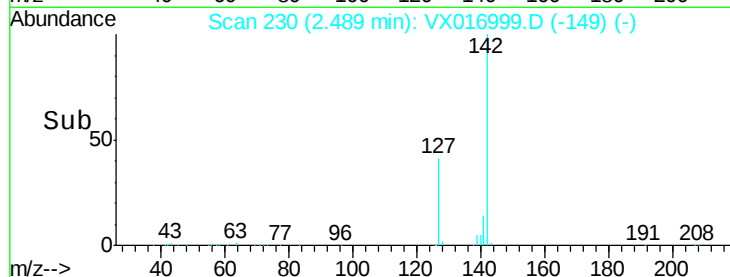
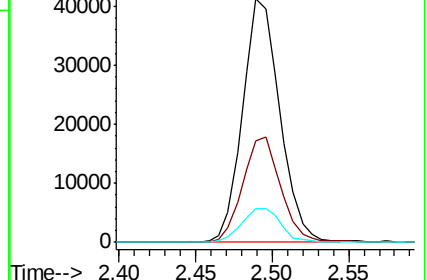
141 13.7 6.7 20.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 18.883 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX016999.D

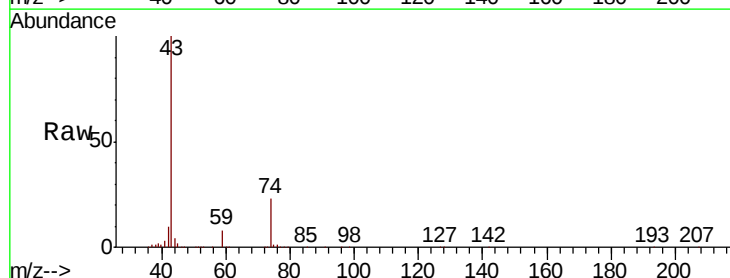
Acq: 26 Jun 2020 23:18

Tgt Ion: 43 Resp: 76291

Ion Ratio Lower Upper

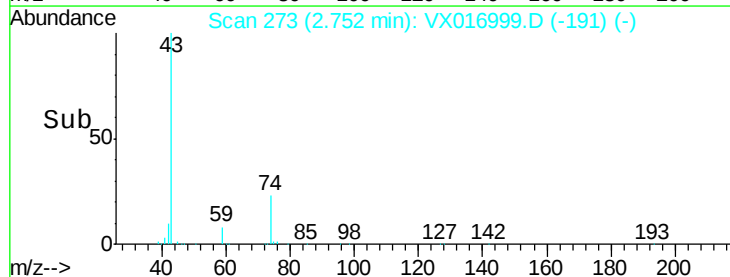
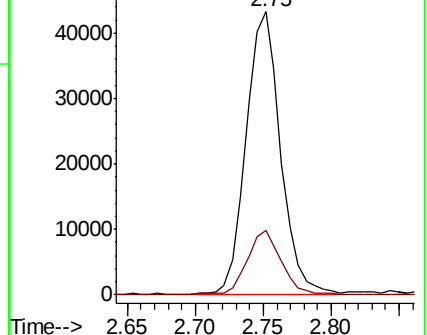
43 100

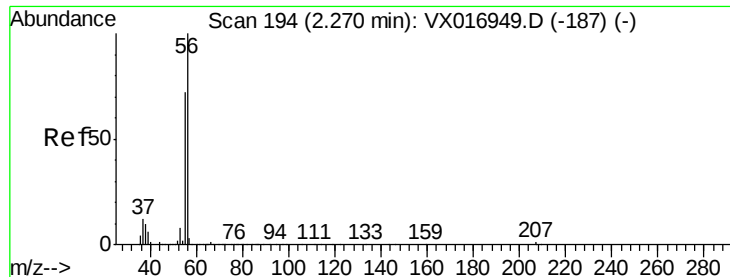
74 22.6 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 76.694 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

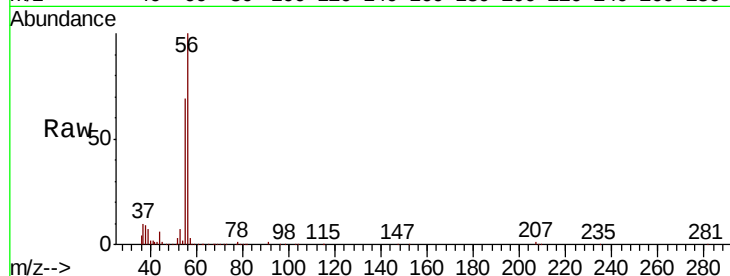
ClientSampleId :

Tot Ion: 56 Resp: 48892

Ion Ratio Lower Upper

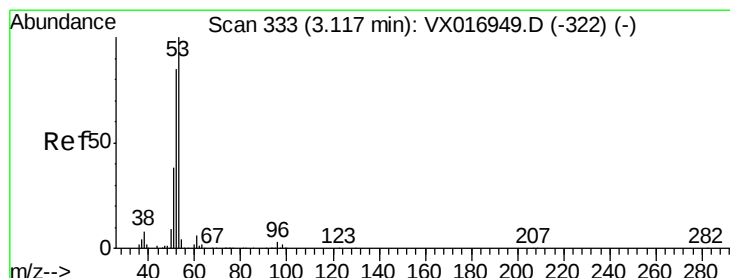
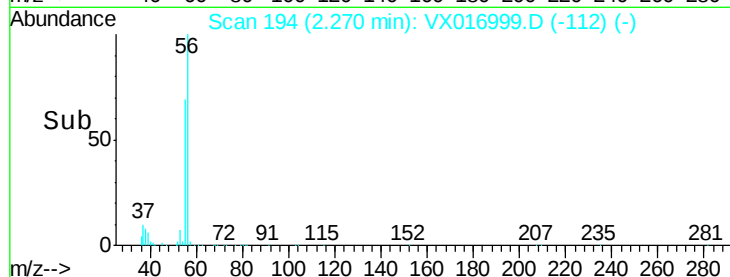
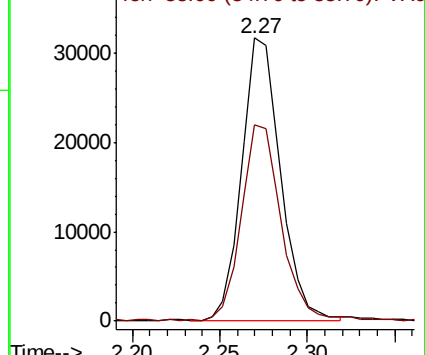
56 100

55 71.2 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 94.176 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

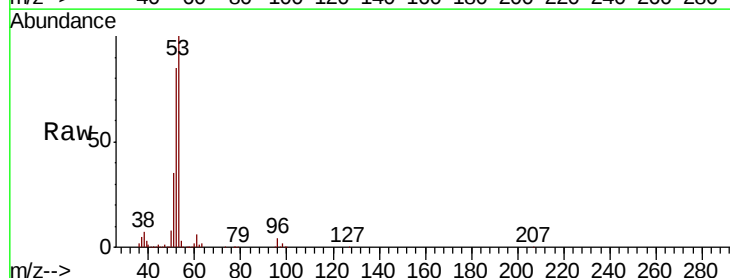
Tgt Ion: 53 Resp: 180206

Ion Ratio Lower Upper

53 100

52 81.6 40.6 121.8

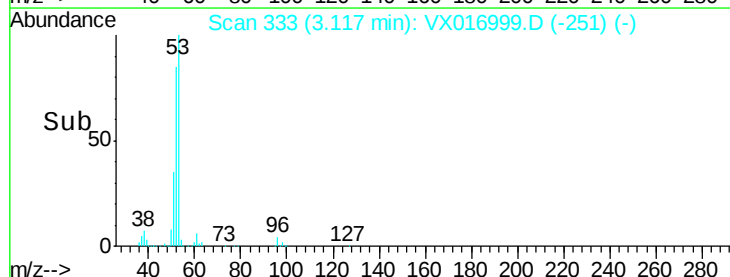
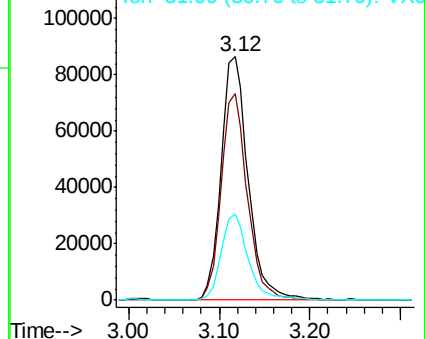
51 35.5 18.4 55.4

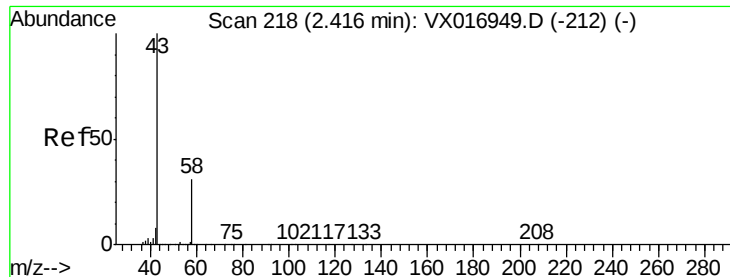


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 95.353 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

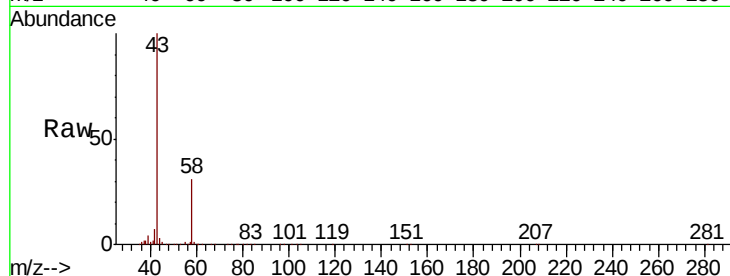
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 58 Resp: 47218

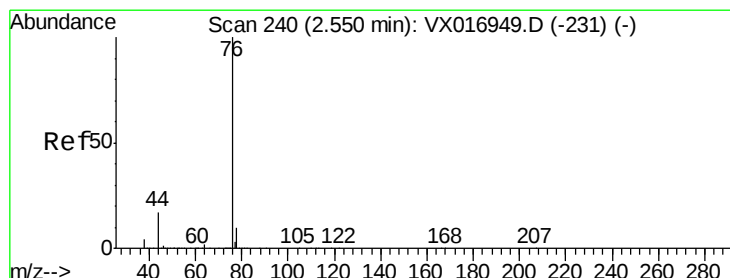
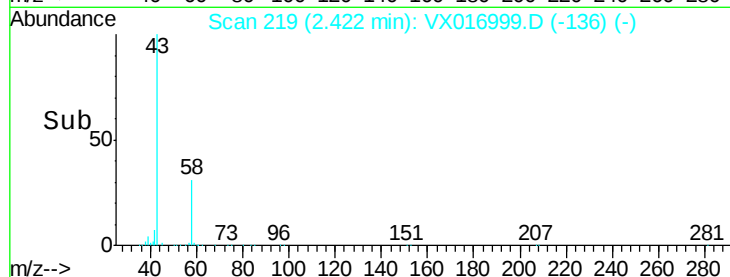
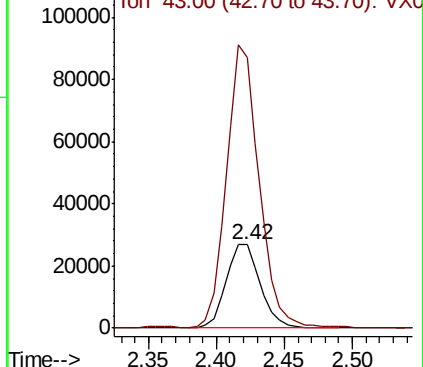
Ion Ratio Lower Upper

58 100

43 323.1 257.6 386.4



Abundance Ion 58.00 (57.70 to 58.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.285 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016999.D

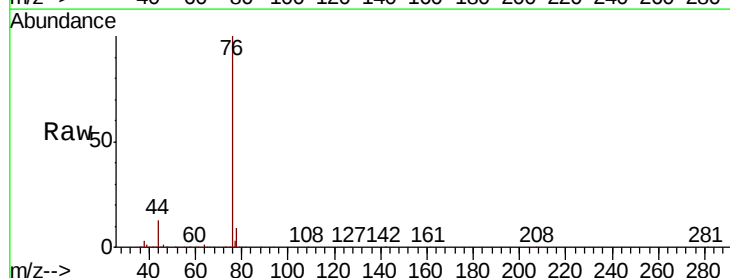
Acq: 26 Jun 2020 23:18

Tgt Ion: 76 Resp: 174036

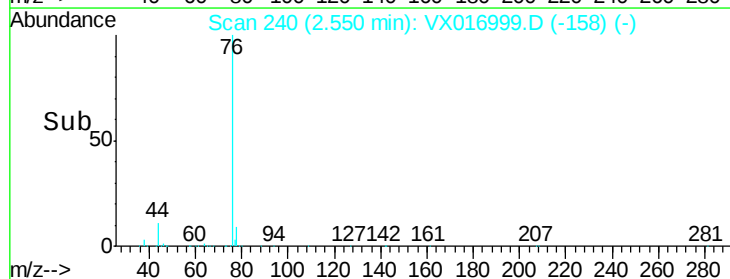
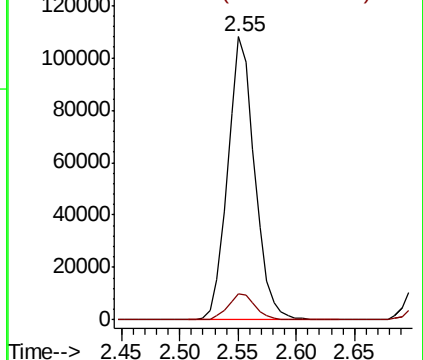
Ion Ratio Lower Upper

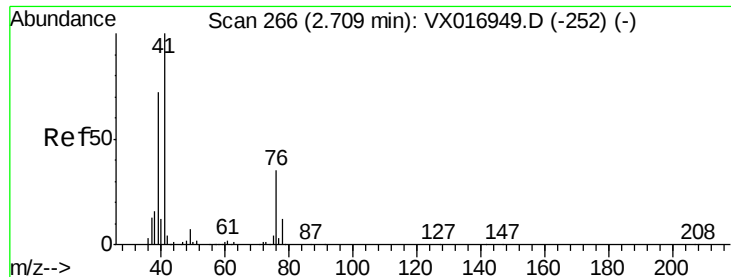
76 100

78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VX0  
Ion 78.00 (77.70 to 78.70): VX0

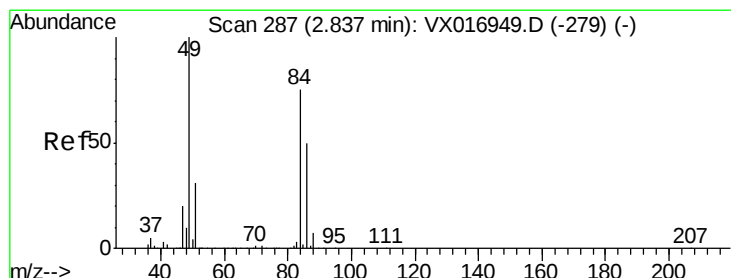
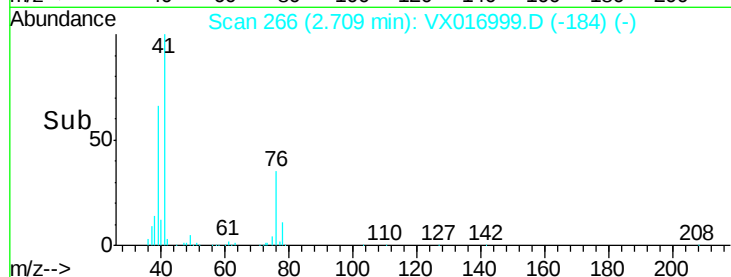
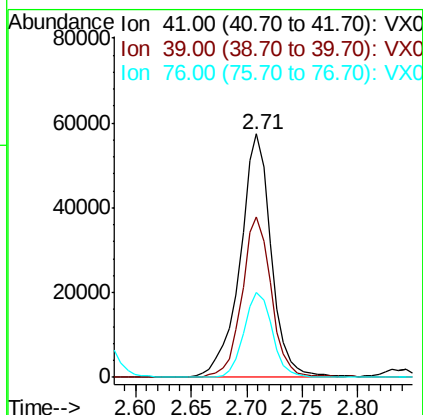
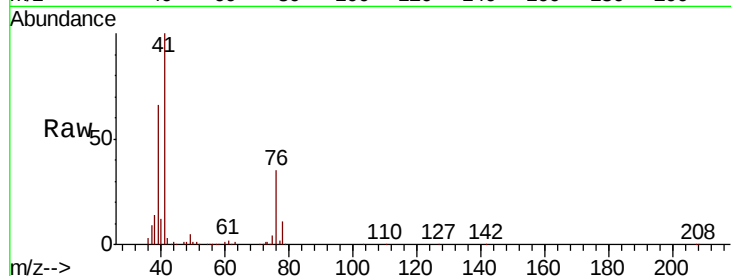




#17  
Allvl chloride  
Concen: 18.431 ug/l  
RT: 2.71 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

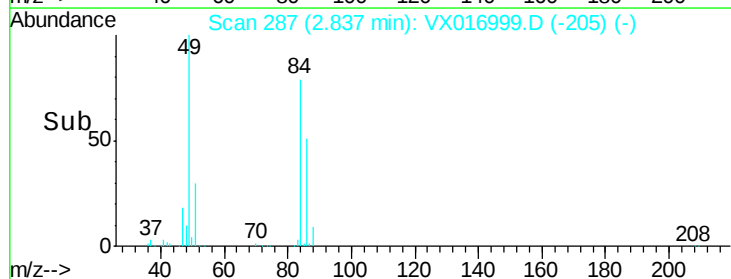
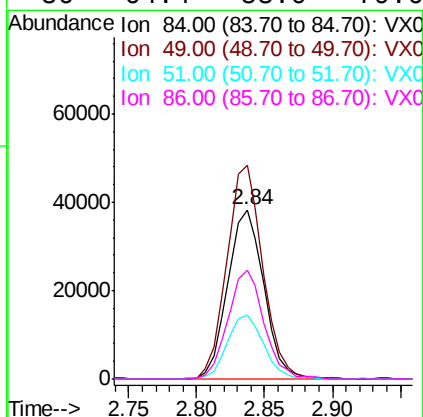
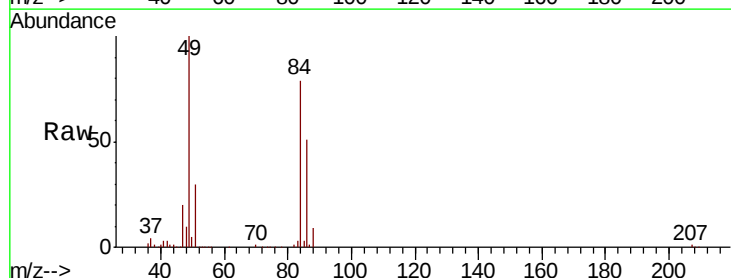
Instrument :  
MSVOA\_X  
ClientSampleId :

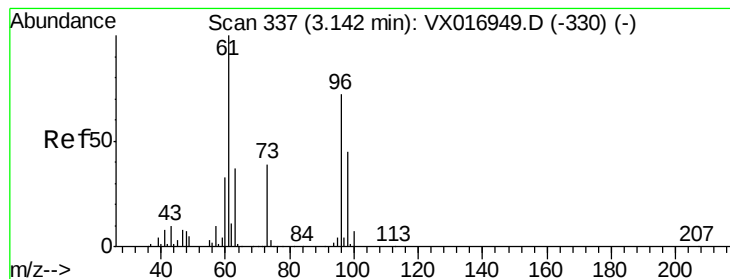
Tot Ion: 41 Resp: 110508  
Ion Ratio Lower Upper  
41 100  
39 65.9 35.9 107.8  
76 34.9 17.6 52.8



#18  
Methylene Chloride  
Concen: 18.373 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 84 Resp: 70880  
Ion Ratio Lower Upper  
84 100  
49 126.0 106.6 159.8  
51 37.7 32.7 49.1  
86 64.4 53.0 79.6





#19

trans-1,2-Dichloroethene

Concen: 18.441 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

ClientSampleId :

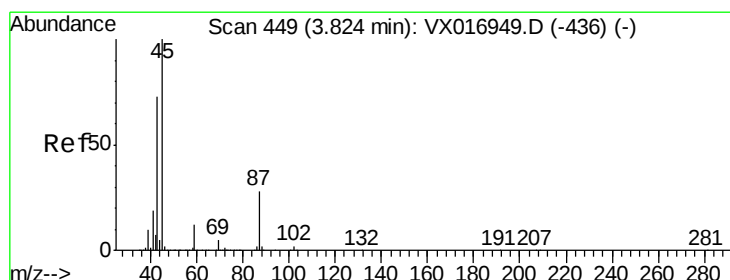
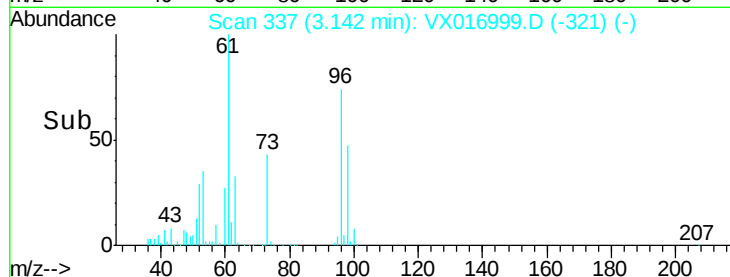
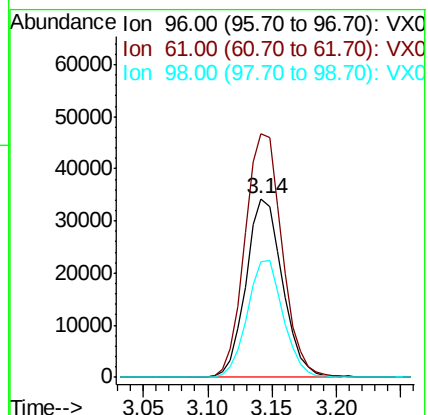
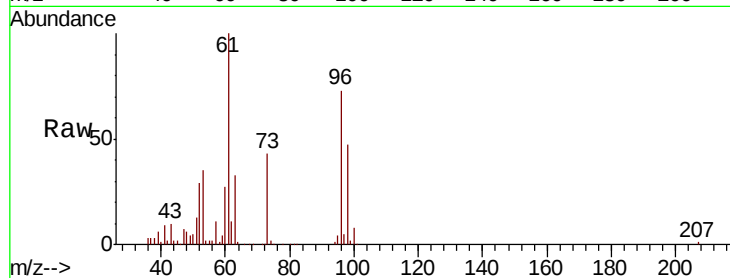
Tot Ion: 96 Resp: 66920

Ion Ratio Lower Upper

96 100

61 136.1 110.6 165.8

98 64.5 49.8 74.6



#20

Diisopropyl ether

Concen: 19.114 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Tgt Ion: 45 Resp: 229037

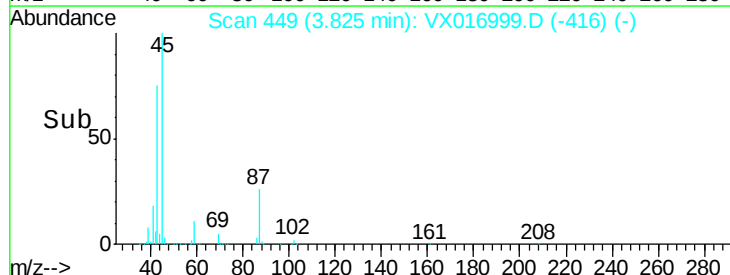
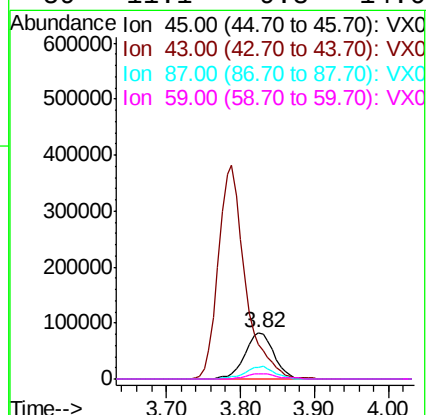
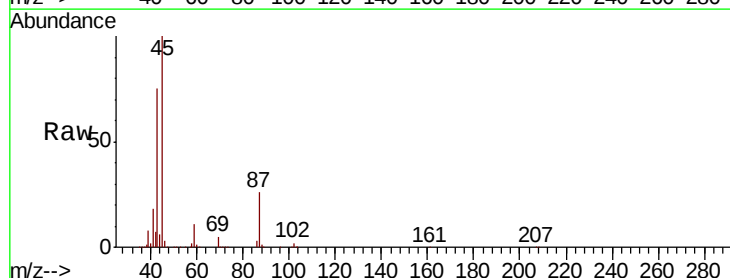
Ion Ratio Lower Upper

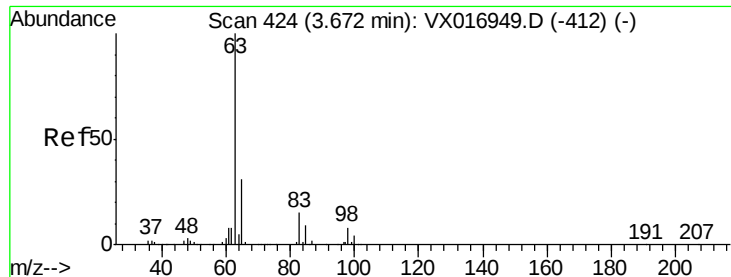
45 100

43 74.8 63.9 95.9

87 26.2 22.2 33.4

59 11.1 9.8 14.6

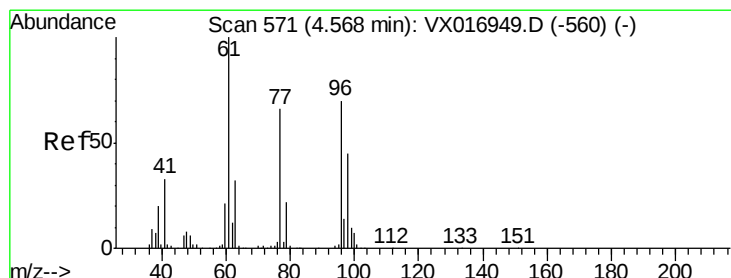
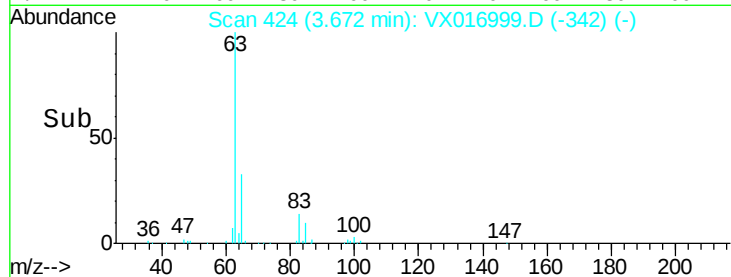
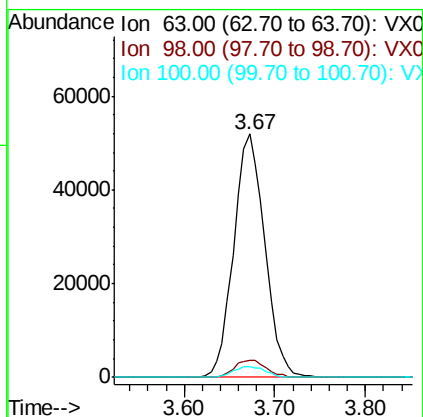
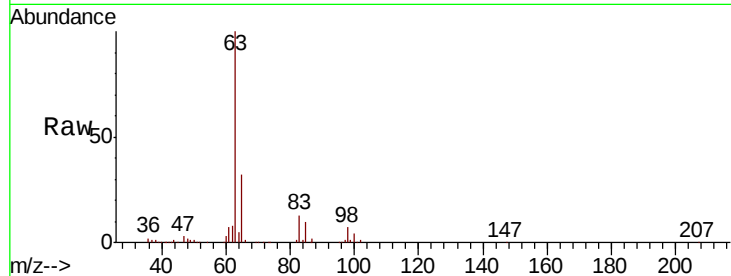




#21  
 1,1-Dichloroethane  
 Concen: 18.651 ug/l  
 RT: 3.67 min Scan# 424  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

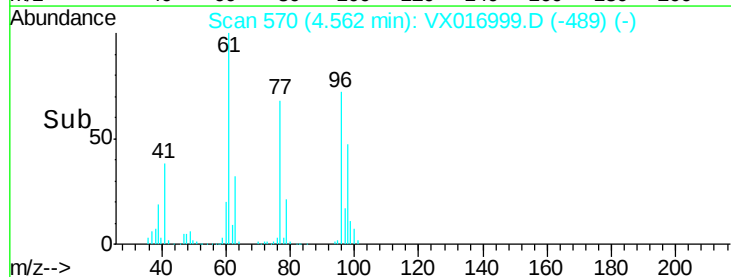
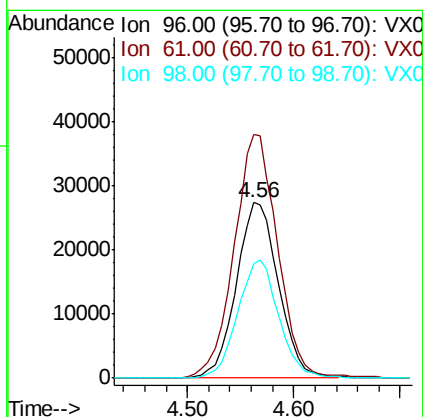
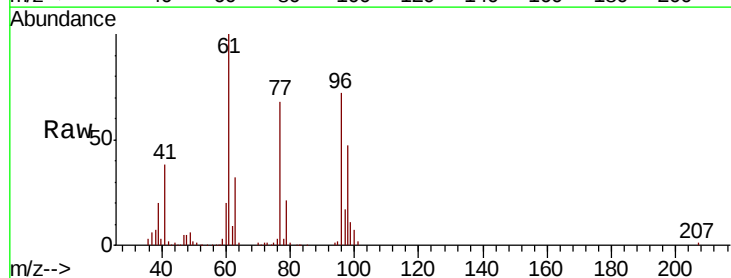
Instrument :  
 MSVOA\_X  
 ClientSampleId :

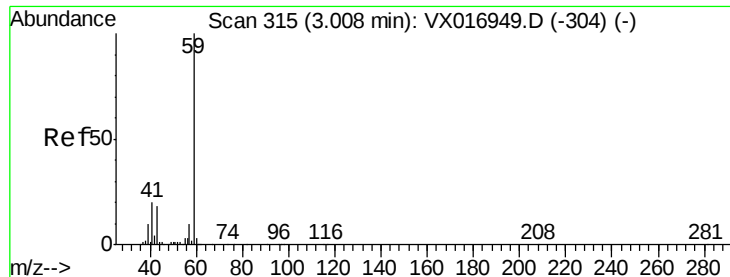
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 7.2   | 3.8   | 11.4  |
| 100     | 4.4   | 2.2   | 6.6   |



#22  
 cis-1,2-Dichloroethene  
 Concen: 18.665 ug/l  
 RT: 4.56 min Scan# 570  
 Delta R.T. -0.01 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.6 | 120.8 | 181.2 |
| 98      | 66.4  | 51.7  | 77.5  |



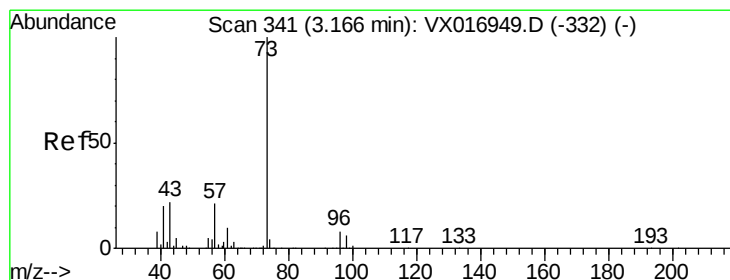
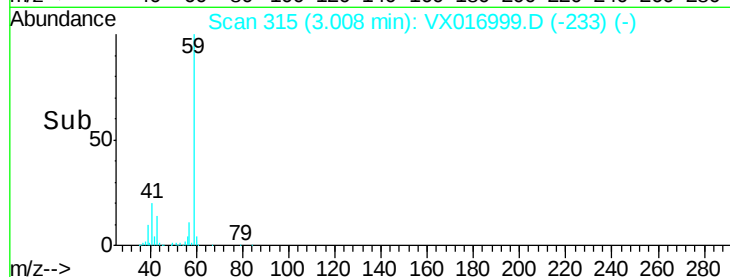
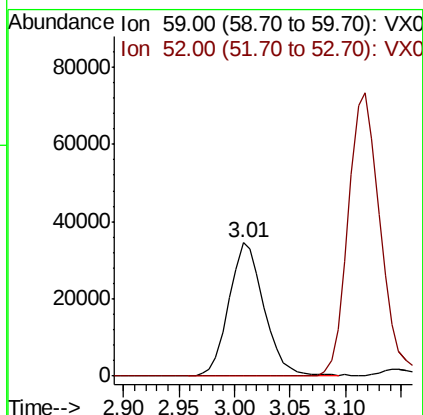
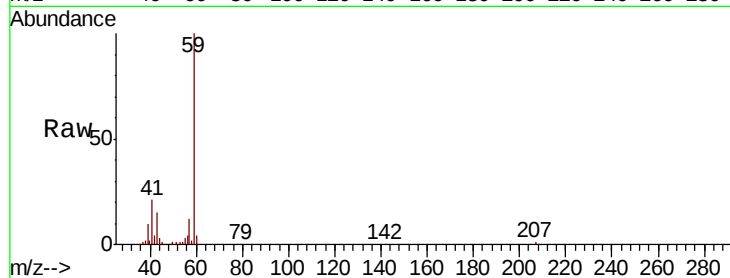


#23

tert-Butyl Alcohol  
 Concen: 88.614 ug/l  
 RT: 3.01 min Scan# 315  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :

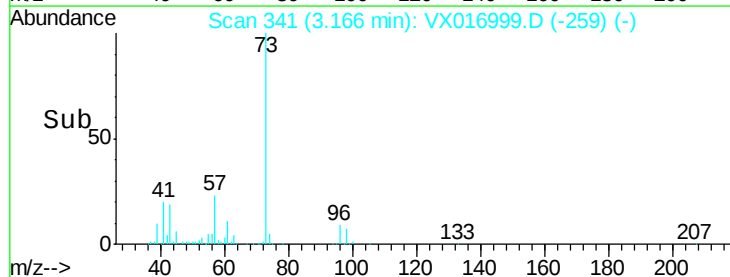
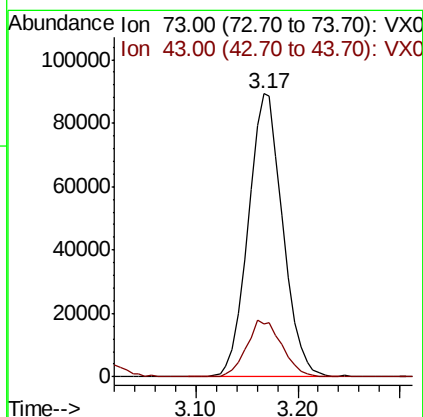
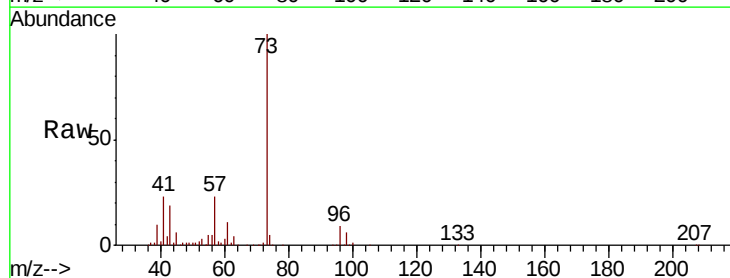
Tot Ion: 59 Resp: 75111  
 Ion Ratio Lower Upper  
 59 100  
 52 0.3 0.1 0.1#

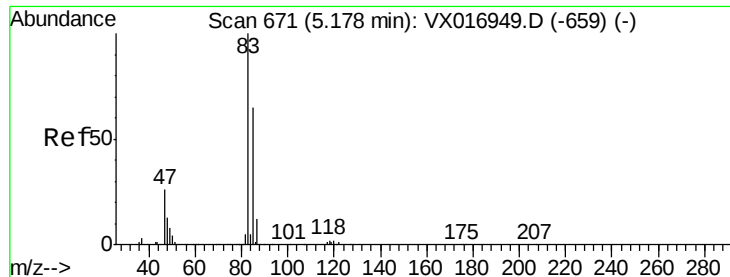


#24

Methyl tert-Butyl Ether  
 Concen: 18.389 ug/l  
 RT: 3.17 min Scan# 341  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

Tgt Ion: 73 Resp: 210306  
 Ion Ratio Lower Upper  
 73 100  
 43 19.9 17.2 25.8





#25

Chloroform

Concen: 18.803 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

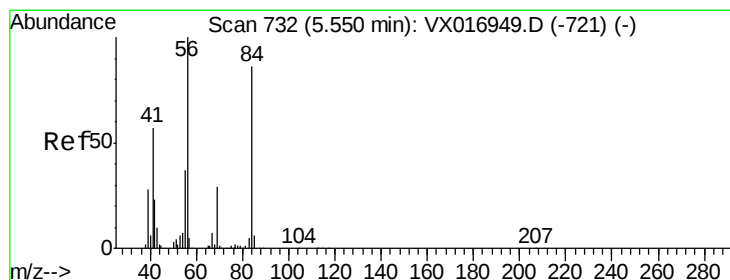
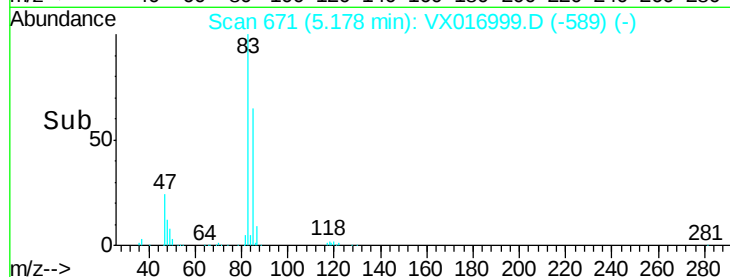
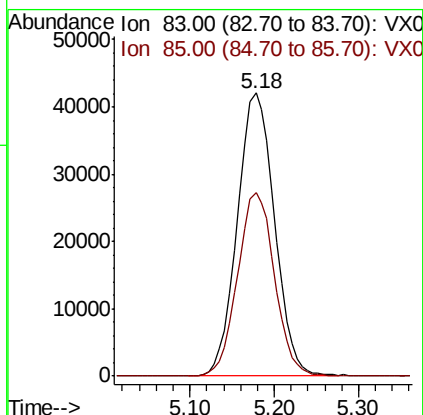
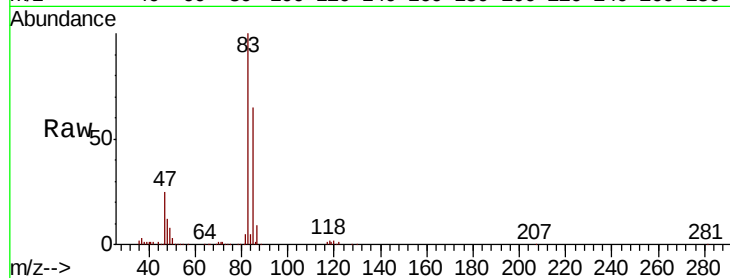
ClientSampleId :

Tot Ion: 83 Resp: 125960

Ion Ratio Lower Upper

83 100

85 64.9 52.1 78.1



#26

Cyclohexane

Concen: 17.637 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

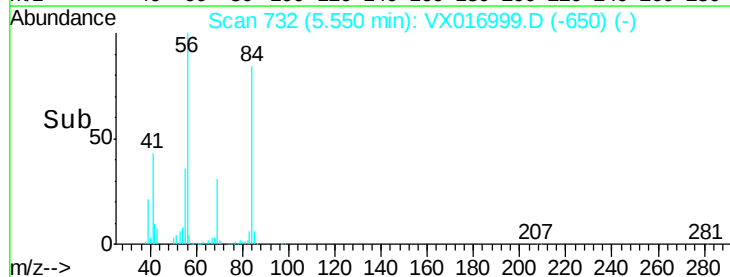
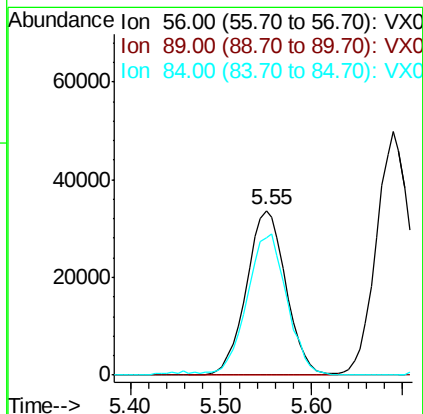
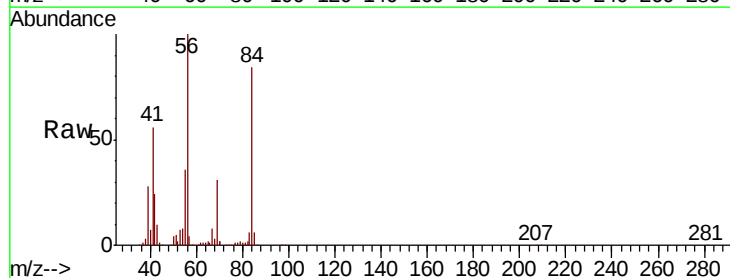
Tgt Ion: 56 Resp: 101656

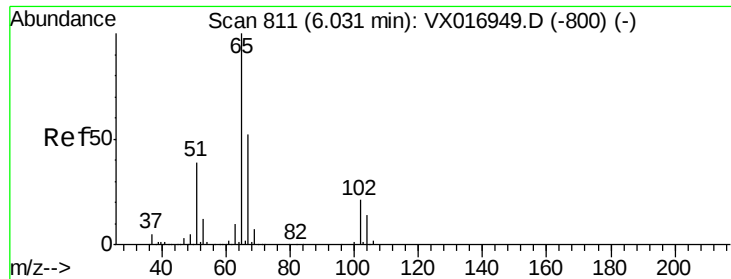
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 86.0 69.0 103.6





#27

1,2-Dichloroethane-d4

Concen: 28.786 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

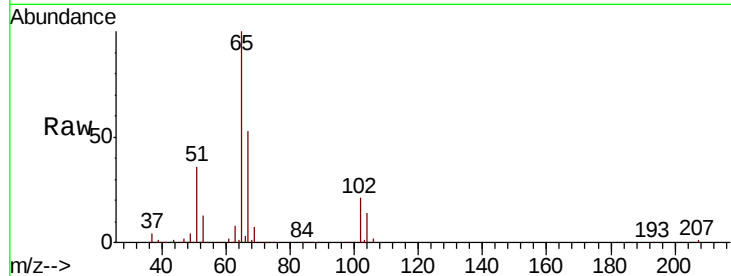
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 65 Resp: 125352

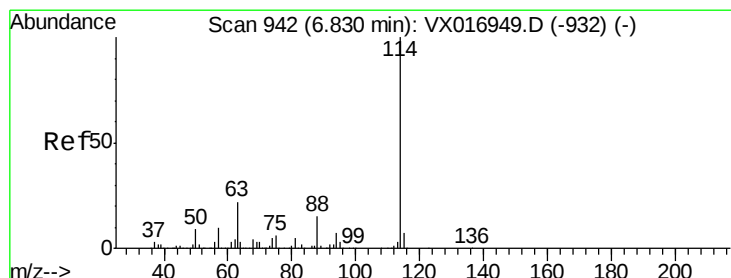
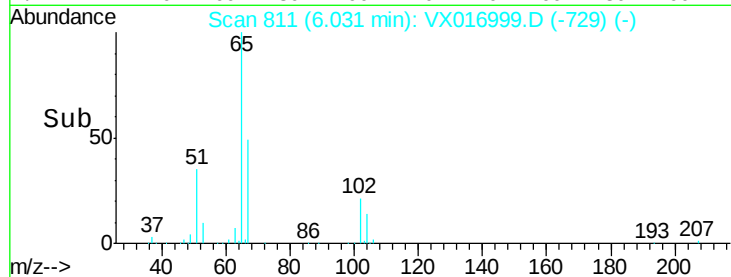
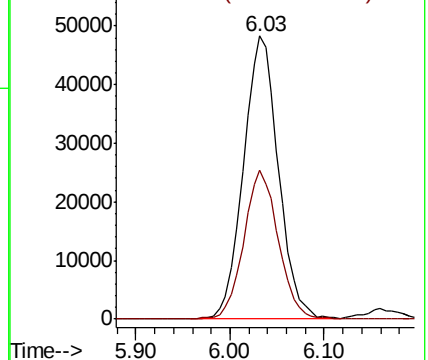
Ion Ratio Lower Upper

65 100

67 51.7 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

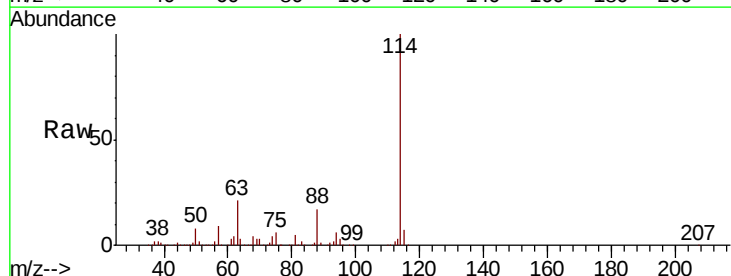
Tgt Ion: 114 Resp: 298985

Ion Ratio Lower Upper

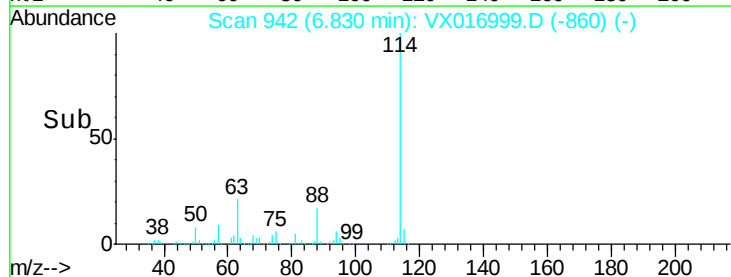
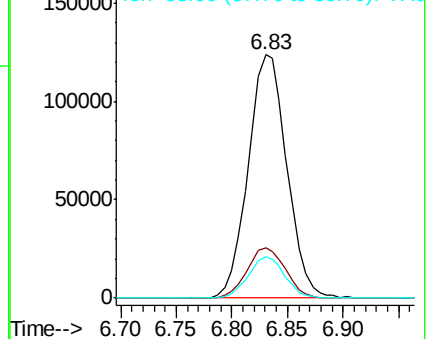
114 100

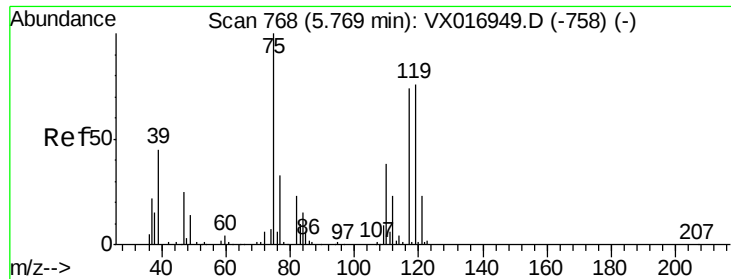
63 20.7 17.4 26.2

88 16.1 13.0 19.6



Abundance Ion 114.00 (113.70 to 114.70): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 88.00 (87.70 to 88.70): VX0

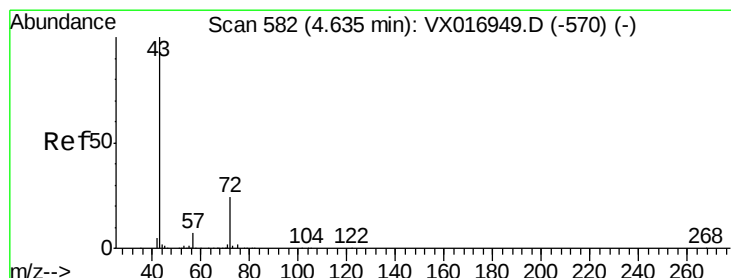
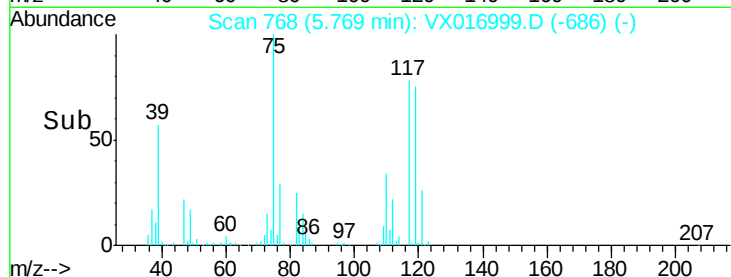
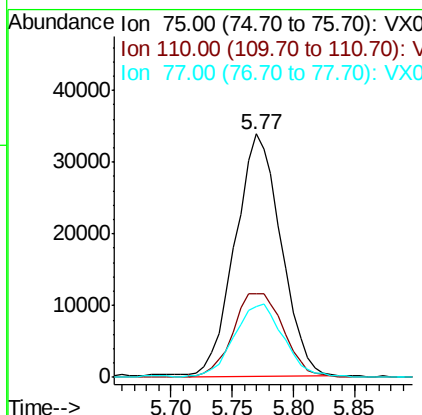
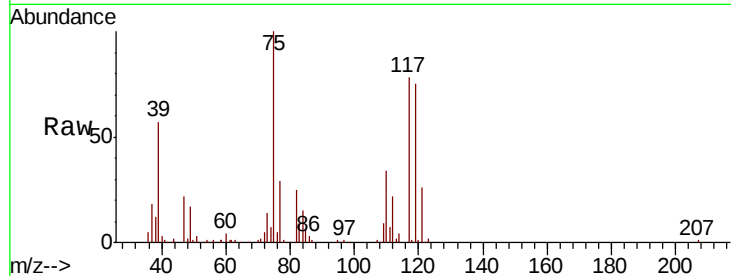




#29  
 1,1-Dichloropropene  
 Concen: 18.171 ug/l  
 RT: 5.77 min Scan# 768  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

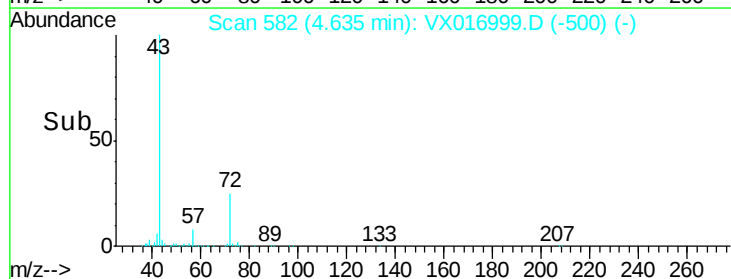
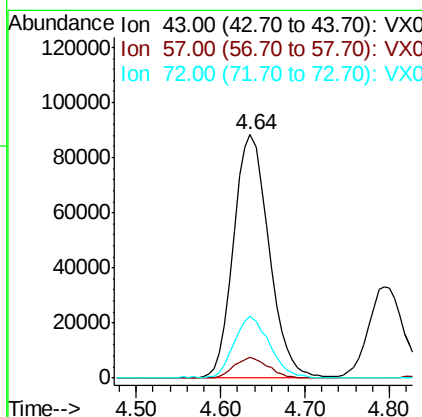
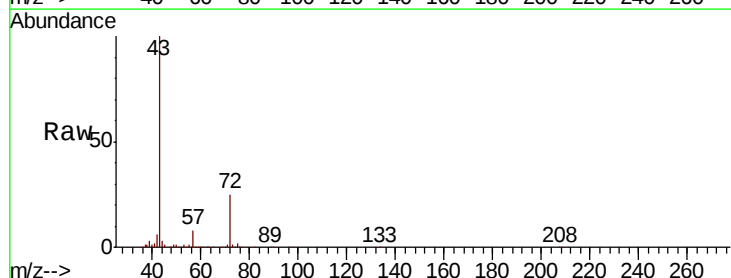
Instrument :  
 MSVOA\_X  
 ClientSampleId :

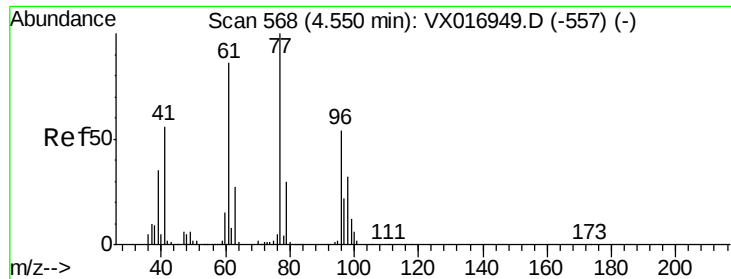
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.0  | 0.0   | 71.6  |
| 77      | 31.9  | 0.0   | 64.0  |



#30  
 2-Butanone  
 Concen: 98.702 ug/l  
 RT: 4.64 min Scan# 582  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 8.3   | 6.2   | 9.4   |
| 72      | 24.9  | 20.6  | 31.0  |





#31

2,2-Dichloropropane

Concen: 15.904 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

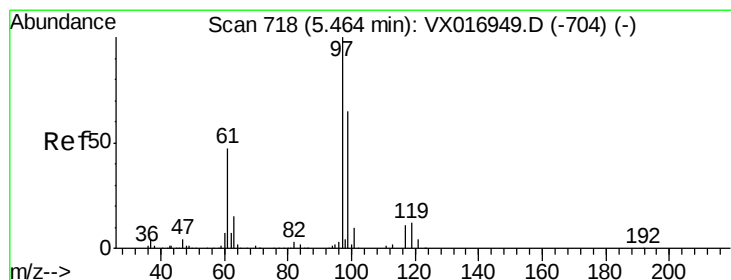
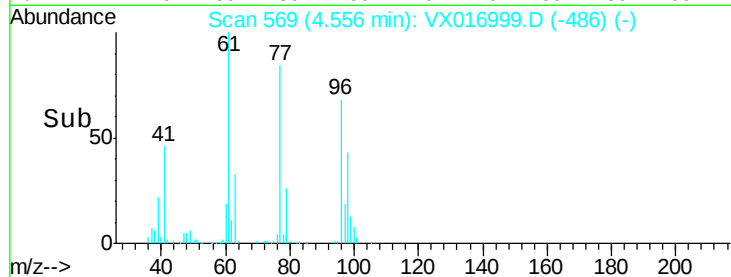
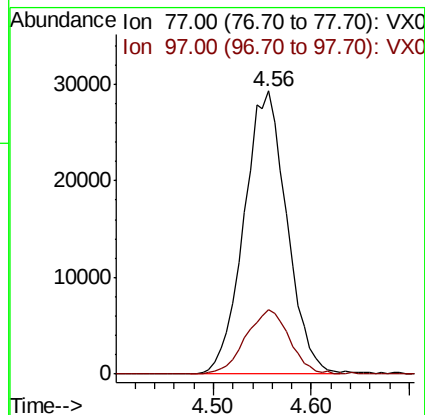
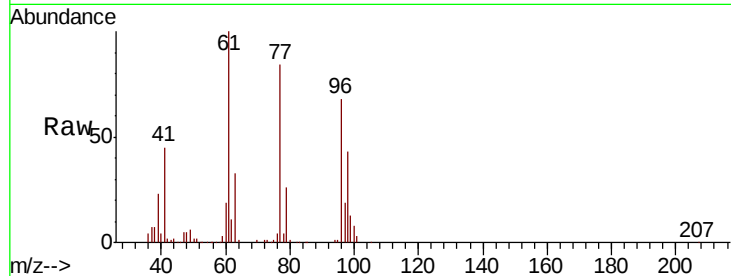
ClientSampleId :

Tot Ion: 77 Resp: 88839

Ion Ratio Lower Upper

77 100

97 23.1 18.5 27.7



#32

1,1,1-Trichloroethane

Concen: 19.039 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

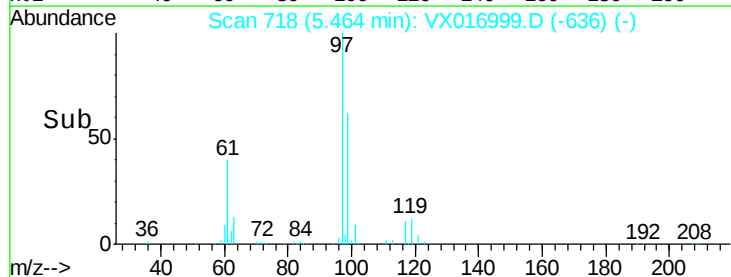
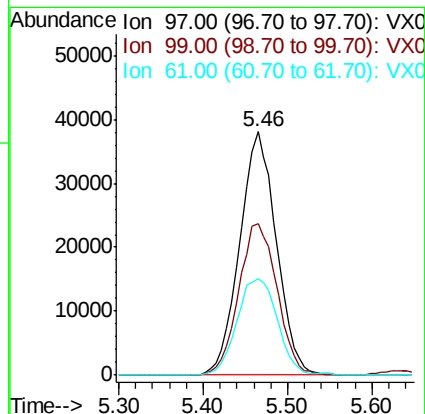
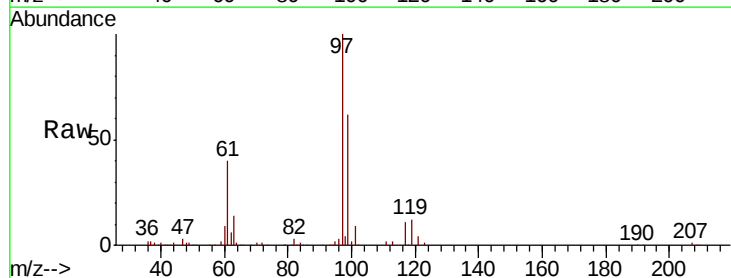
Tgt Ion: 97 Resp: 112209

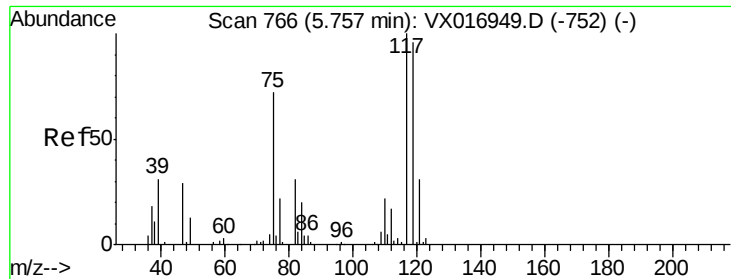
Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.2

61 43.9 36.9 55.3

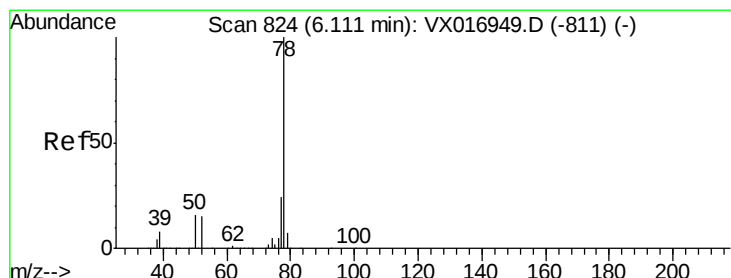
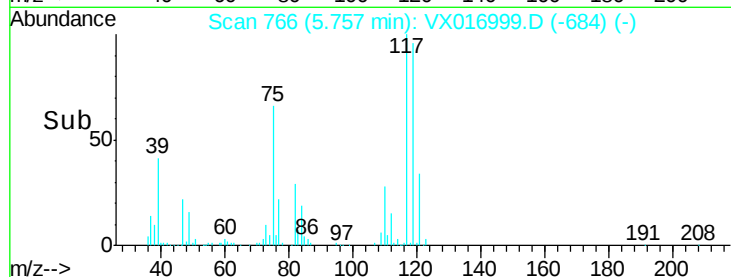
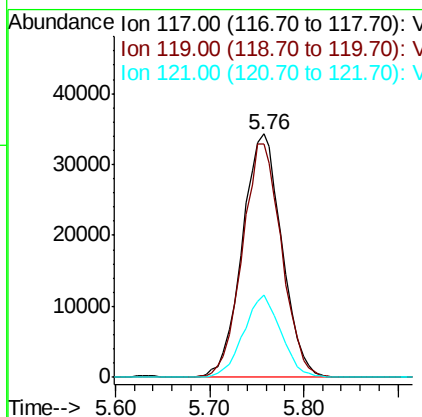
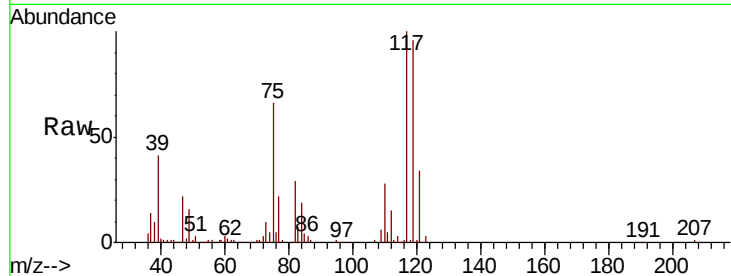




#33  
Carbon Tetrachloride  
Concen: 19.321 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

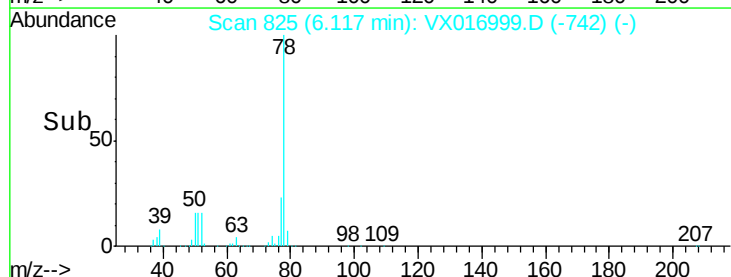
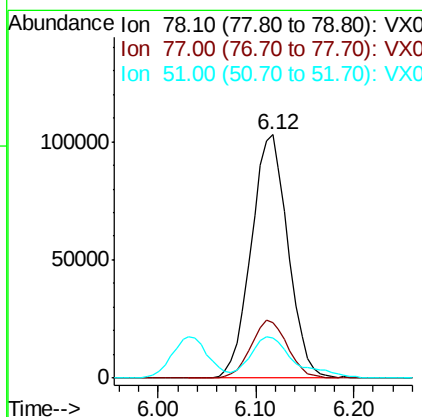
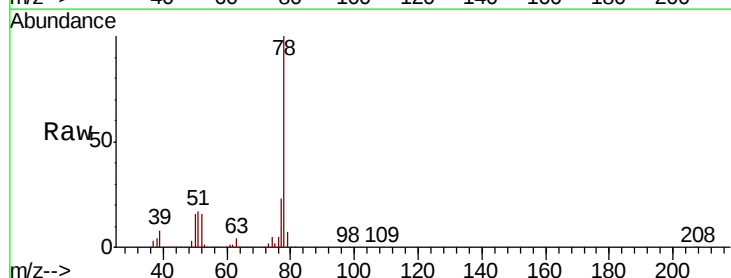
Instrument :  
MSVOA\_X  
ClientSampleId :

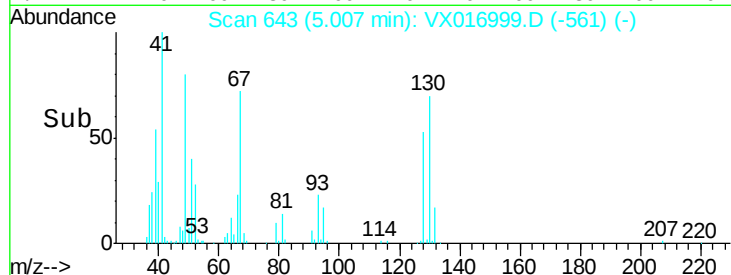
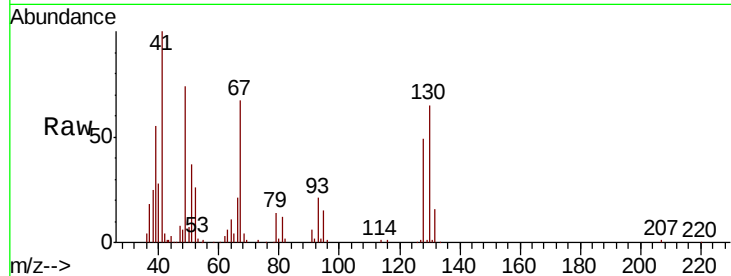
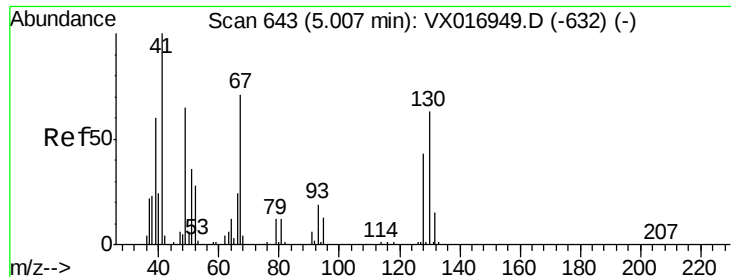
Tot Ion:117 Resp: 100985  
Ion Ratio Lower Upper  
117 100  
119 95.7 77.0 115.4  
121 33.6 25.0 37.4



#34  
Benzene  
Concen: 19.081 ug/l  
RT: 6.12 min Scan# 825  
Delta R.T. 0.01 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 78 Resp: 270609  
Ion Ratio Lower Upper  
78 100  
77 22.9 19.0 28.6  
51 15.0 12.8 19.2

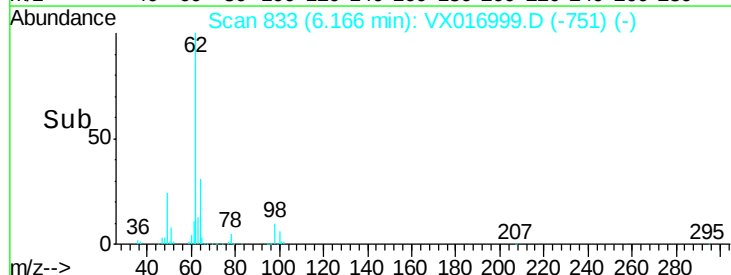
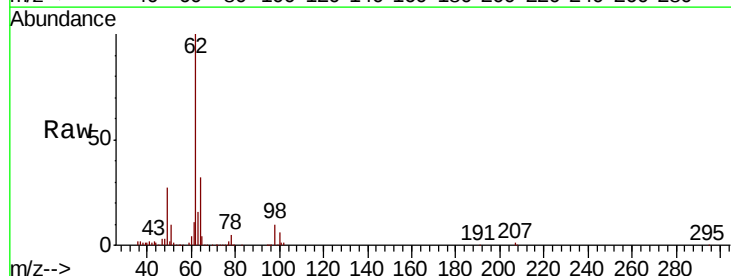
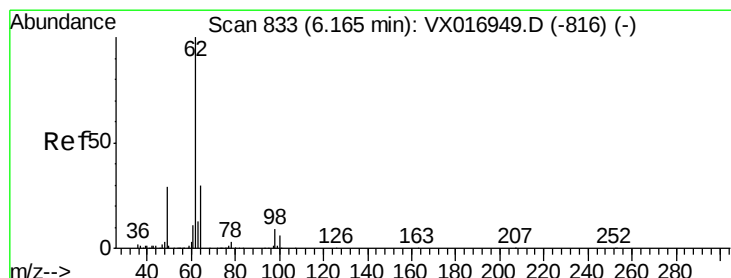
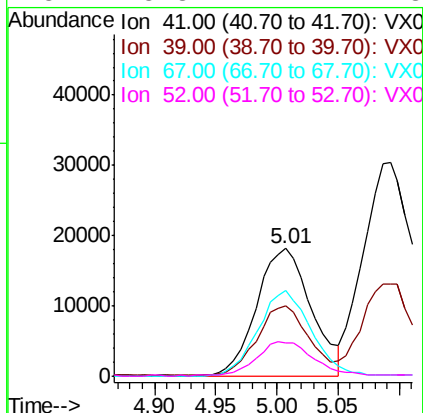




#35  
Methacrylonitrile  
Concen: 20.209 ug/l  
RT: 5.01 min Scan# 643  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

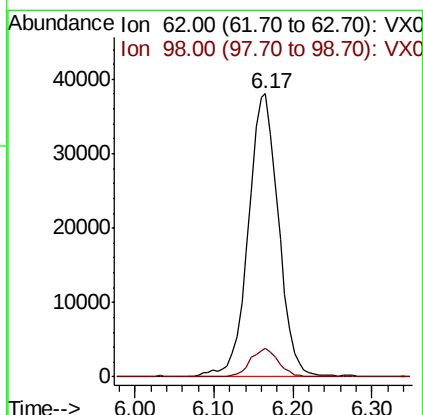
Instrument :  
MSVOA\_X  
ClientSampleId :

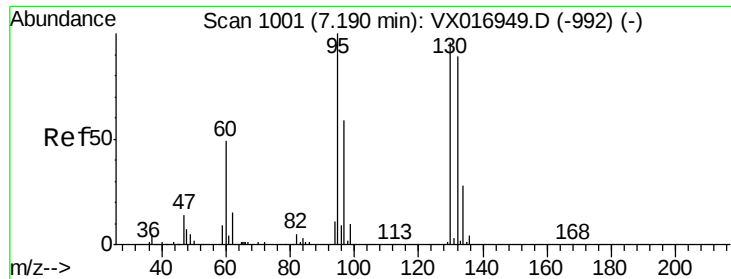
Tot Ion: 41 Resp: 56621  
Ion Ratio Lower Upper  
41 100  
39 54.3 29.8 89.5  
67 66.6 35.3 105.9  
52 25.3 14.1 42.3



#36  
1,2-Dichloroethane  
Concen: 18.523 ug/l  
RT: 6.17 min Scan# 833  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 62 Resp: 100608  
Ion Ratio Lower Upper  
62 100  
98 9.5 7.6 11.4

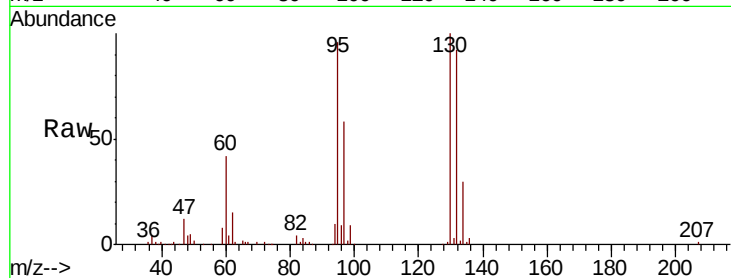




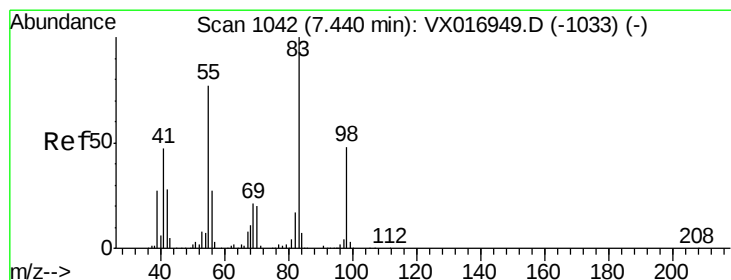
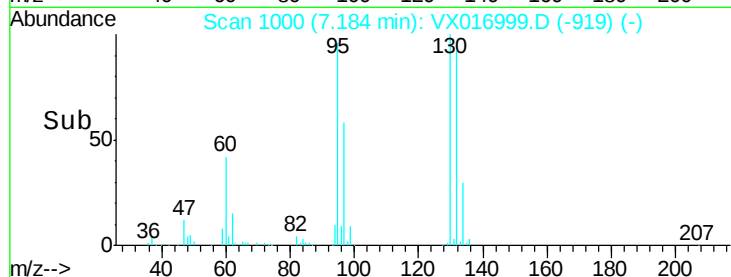
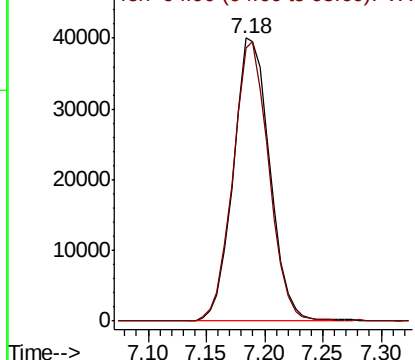
#37  
 Trichloroethene  
 Concen: 22.558 ug/l  
 RT: 7.18 min Scan# 1000  
 Delta R.T. -0.01 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion:130 Resp: 87297  
 Ion Ratio Lower Upper  
 130 100  
 95 96.3 83.1 124.7

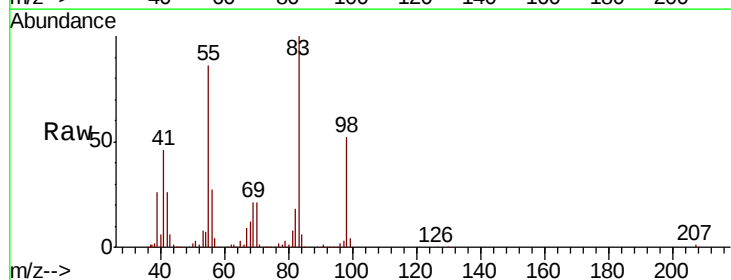


Abundance Ion 129.90 (129.60 to 130.60): V  
 Ion 94.90 (94.60 to 95.60): VX0

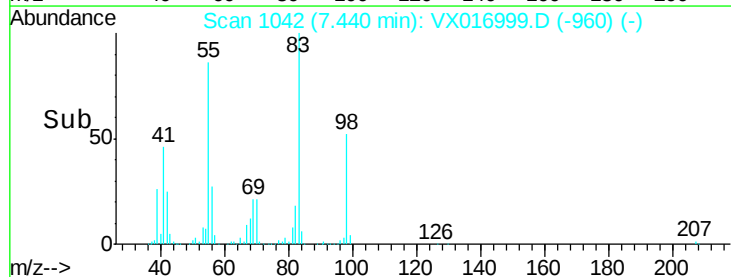
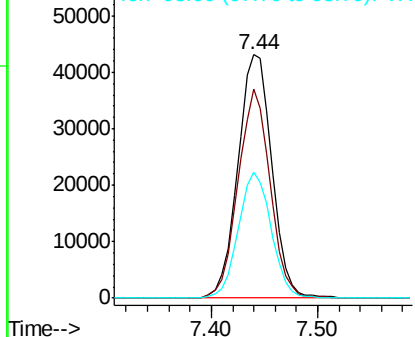


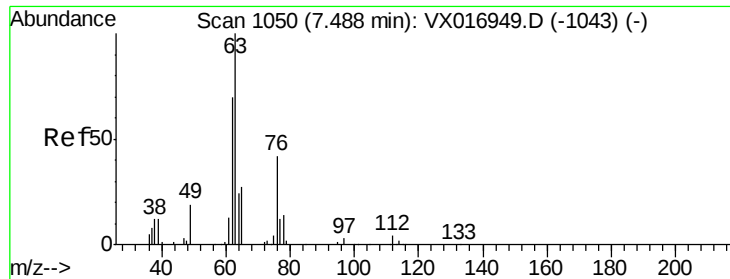
#38  
 Methylcyclohexane  
 Concen: 17.456 ug/l  
 RT: 7.44 min Scan# 1042  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

Tgt Ion: 83 Resp: 96824  
 Ion Ratio Lower Upper  
 83 100  
 55 80.9 38.1 114.5  
 98 50.1 24.6 73.6



Abundance Ion 83.00 (82.70 to 83.70): VX0  
 Ion 55.00 (54.70 to 55.70): VX0  
 Ion 98.00 (97.70 to 98.70): VX0

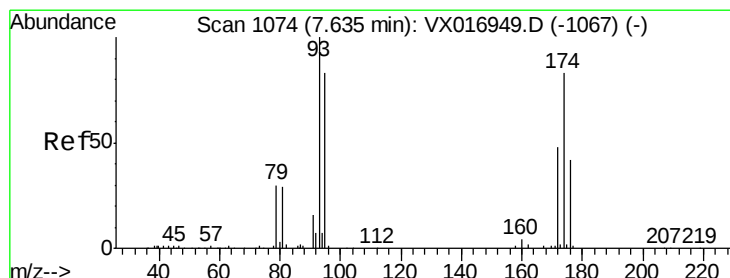
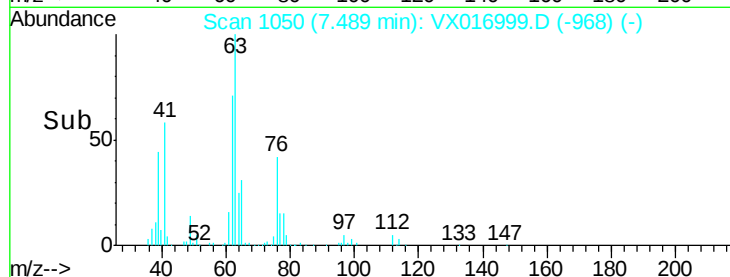
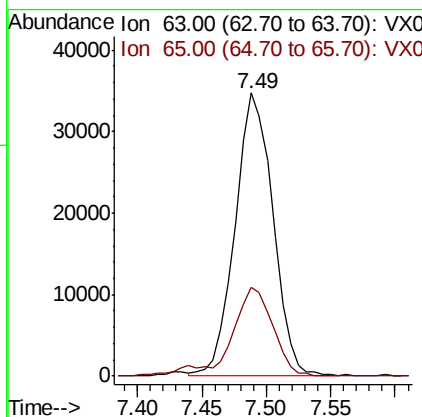
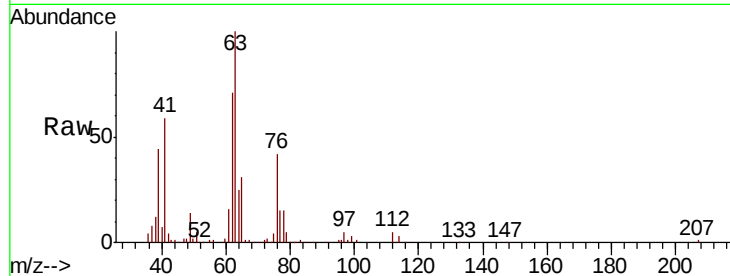




#39  
 1,2-Dichloropropane  
 Concen: 19.183 ug/l  
 RT: 7.49 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

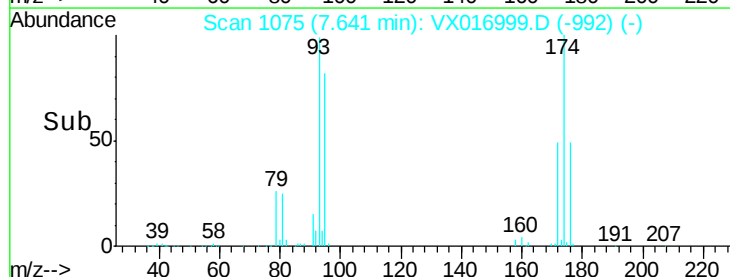
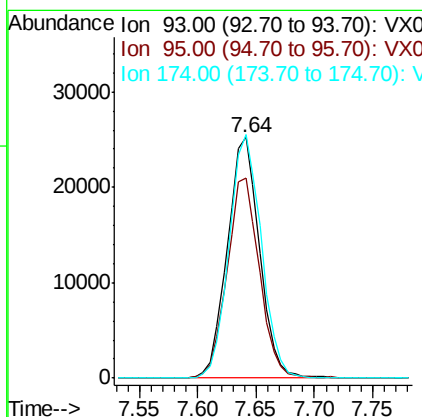
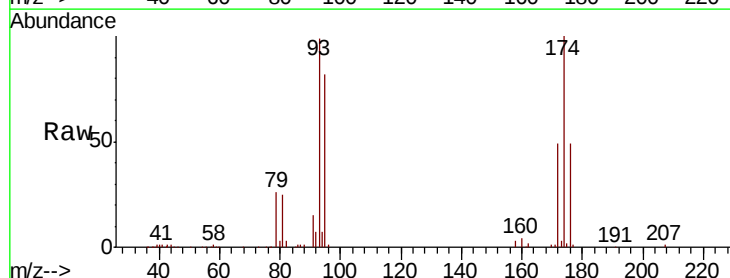
Instrument :  
 MSVOA\_X  
 ClientSampleId :

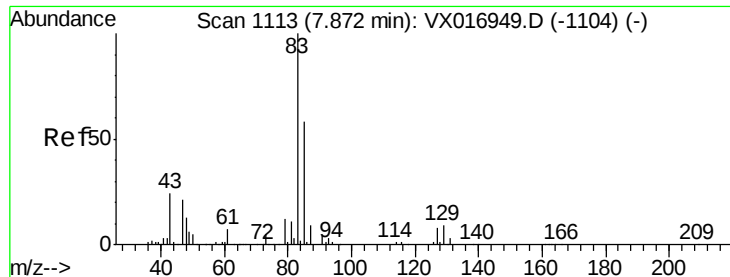
Tot Ion: 63 Resp: 70878  
 Ion Ratio Lower Upper  
 63 100  
 65 31.2 22.8 34.2



#40  
 Dibromomethane  
 Concen: 19.086 ug/l  
 RT: 7.64 min Scan# 1075  
 Delta R.T. 0.01 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

Tgt Ion: 93 Resp: 48603  
 Ion Ratio Lower Upper  
 93 100  
 95 82.9 0.0 165.4  
 174 101.2 0.0 192.0





#41

Bromodichloromethane

Concen: 19.078 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

ClientSampleId :

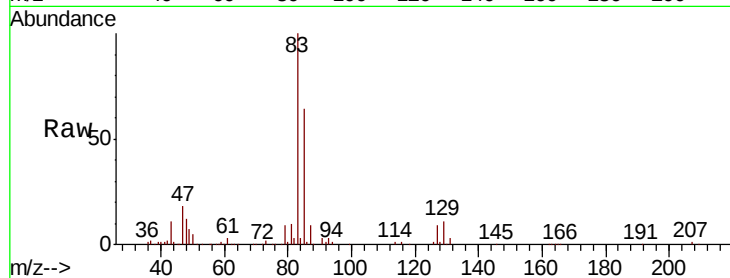
Tot Ion: 83 Resp: 100599

Ion Ratio Lower Upper

83 100

85 63.8 46.7 70.1

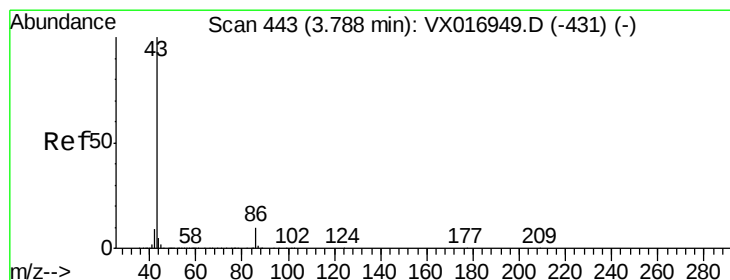
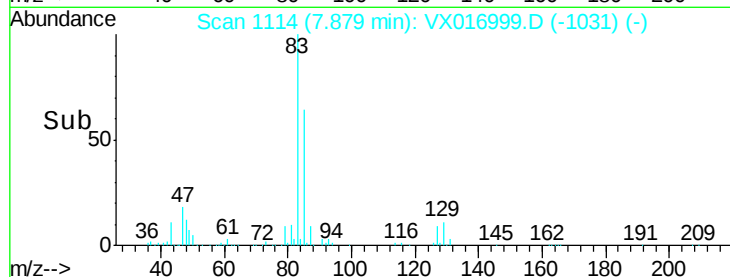
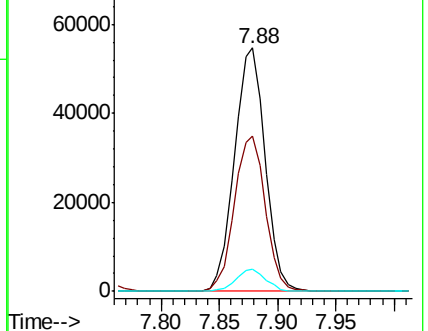
127 9.3 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 93.421 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX016999.D

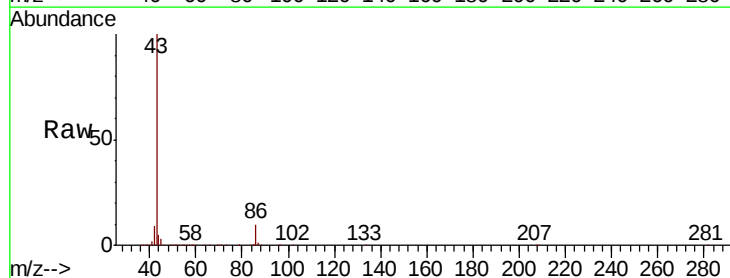
Acq: 26 Jun 2020 23:18

Tgt Ion: 43 Resp: 955761

Ion Ratio Lower Upper

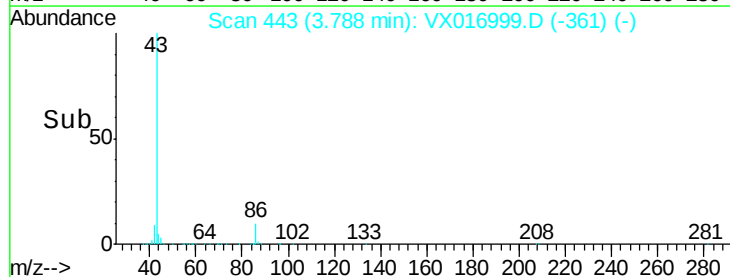
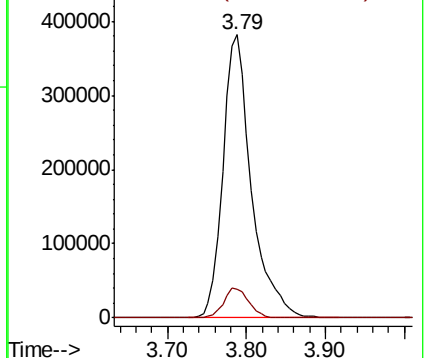
43 100

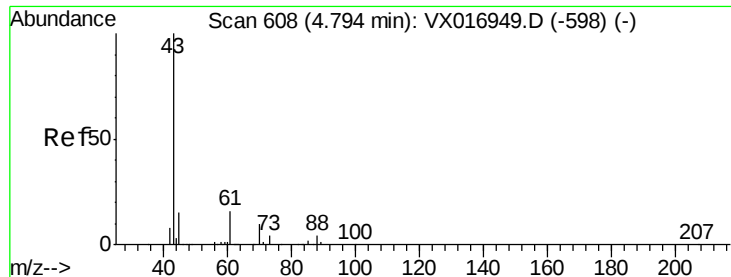
86 9.5 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

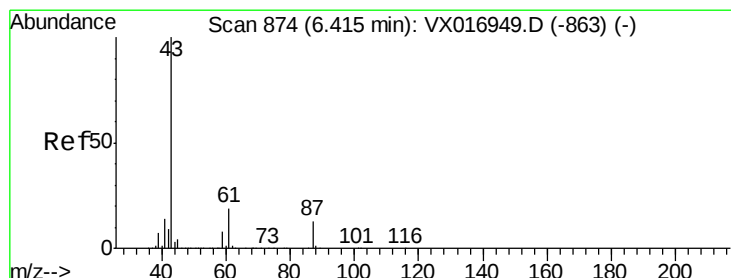
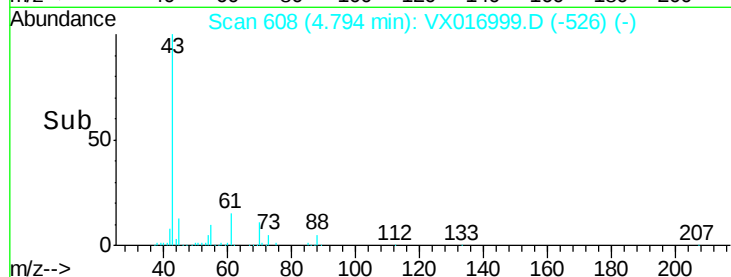
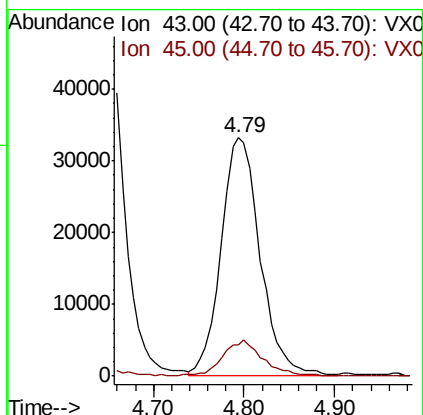
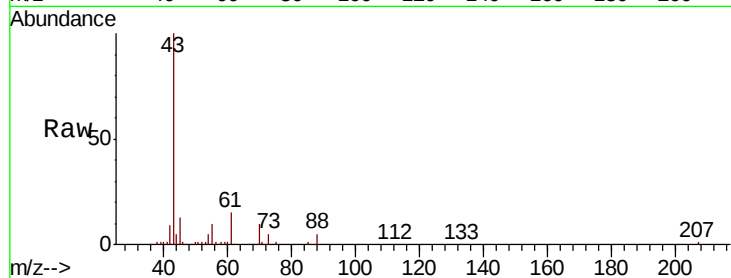




#43  
Ethyl Acetate  
Concen: 18.835 ug/l  
RT: 4.79 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

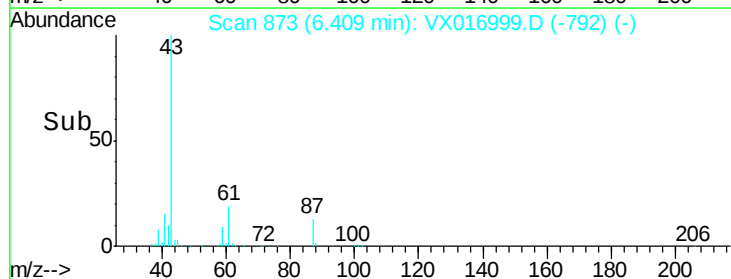
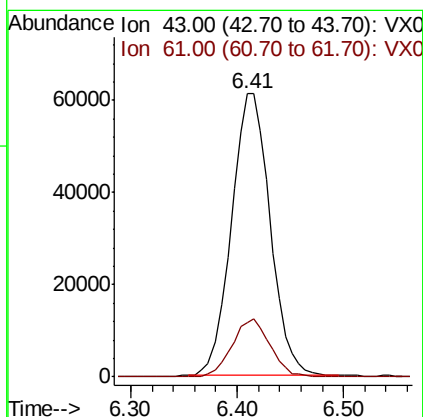
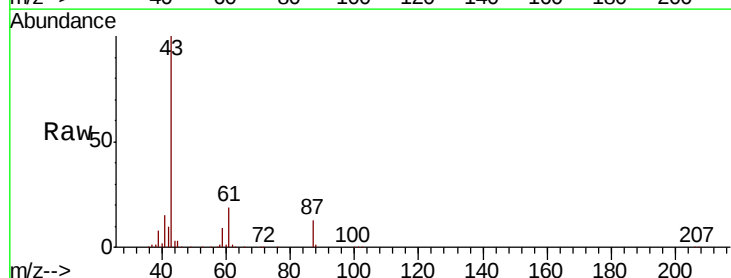
Instrument :  
MSVOA\_X  
ClientSampleId :

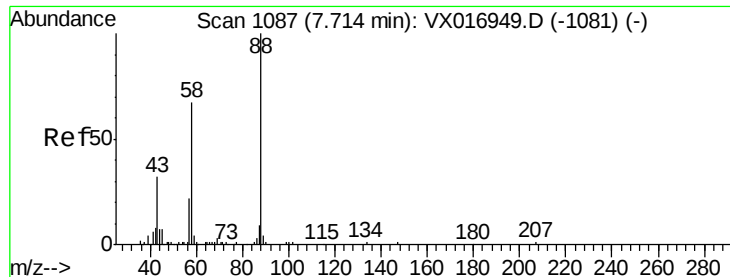
Tot Ion: 43 Resp: 99049  
Ion Ratio Lower Upper  
43 100  
45 14.9 11.8 17.6



#44  
Isopropyl Acetate  
Concen: 17.951 ug/l  
RT: 6.41 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 43 Resp: 155596  
Ion Ratio Lower Upper  
43 100  
61 20.2 15.4 23.2



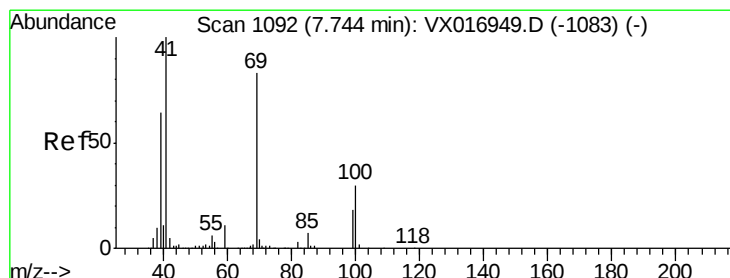
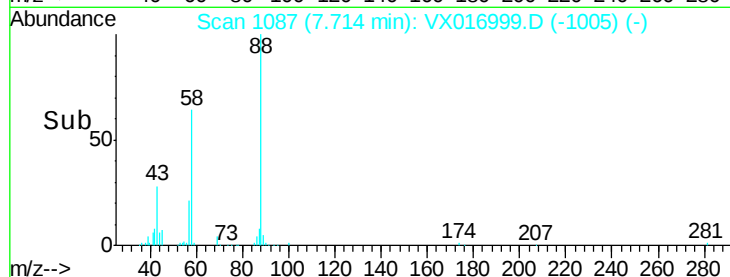
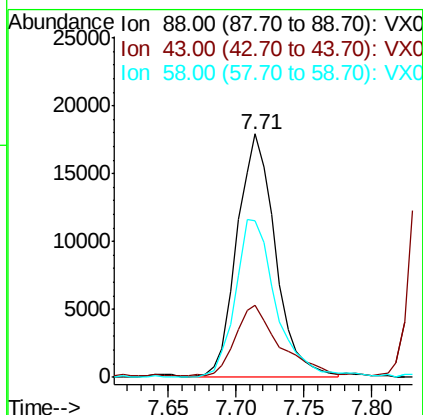
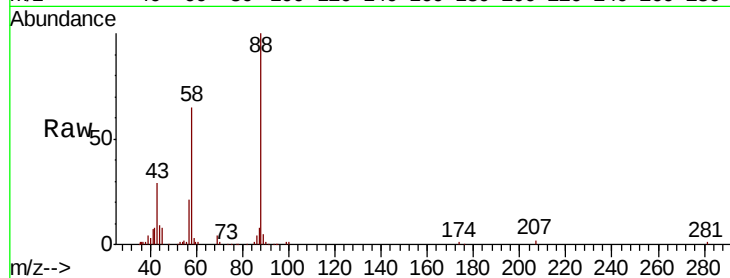


#45  
 1,4-Dioxane  
 Concen: 406.019 ug/l  
 RT: 7.71 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion: 88 Resp: 35505  

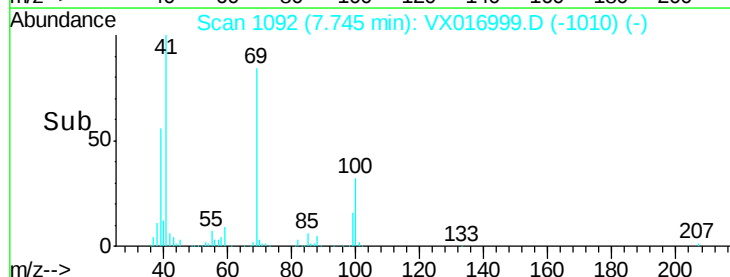
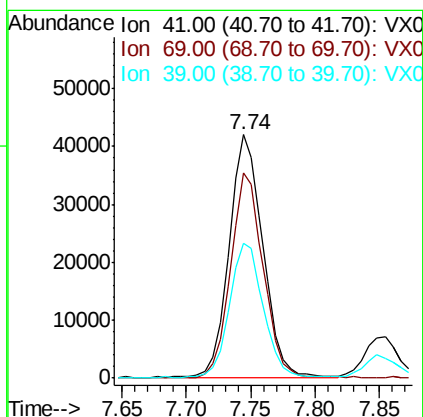
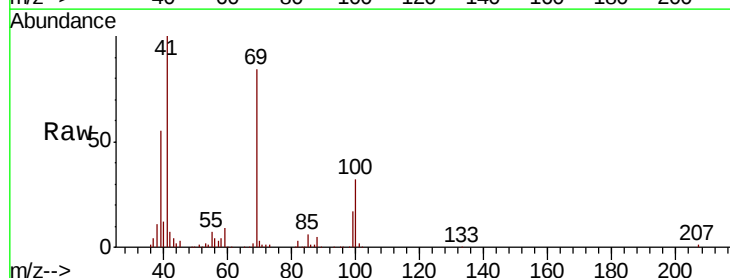
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 32.3  | 28.9  | 43.3  |
| 58  | 68.8  | 56.7  | 85.1  |

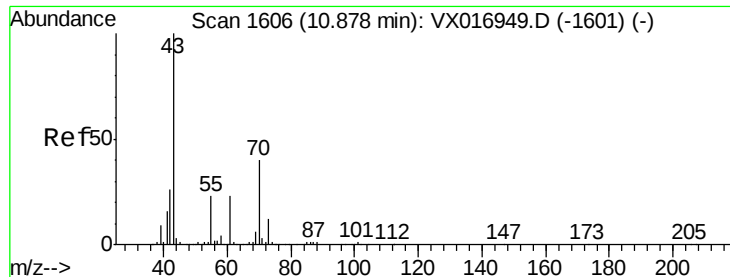


#46  
 Methyl methacrylate  
 Concen: 18.892 ug/l  
 RT: 7.74 min Scan# 1092  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

Tgt Ion: 41 Resp: 75782  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 84.8  | 41.3  | 123.9 |
| 39  | 55.2  | 32.0  | 96.2  |

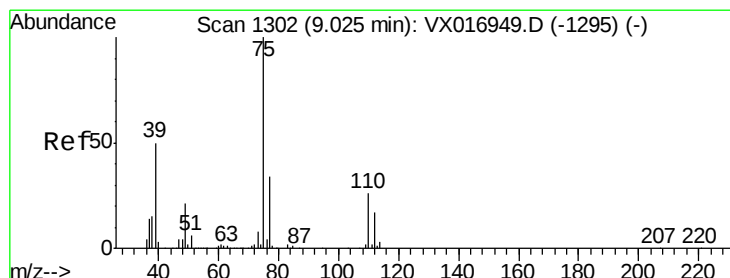
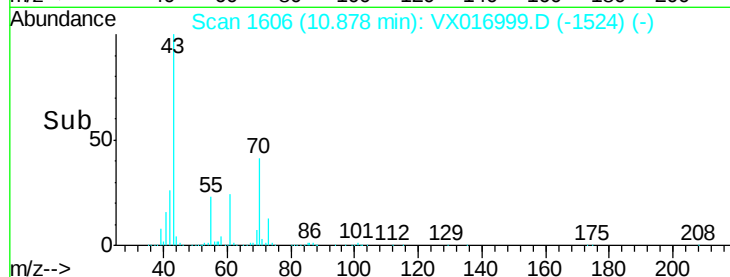
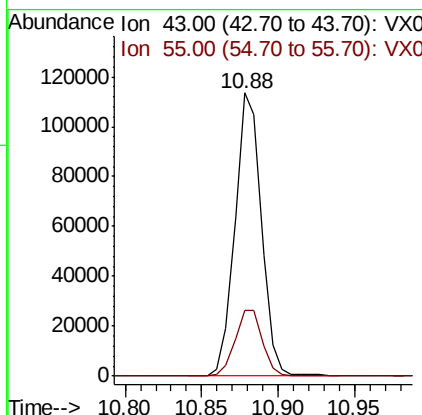
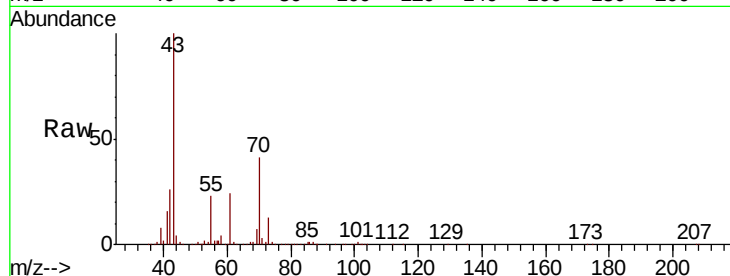




#47  
n-amvl Acetate  
Concen: 17.745 ug/l  
RT: 10.88 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

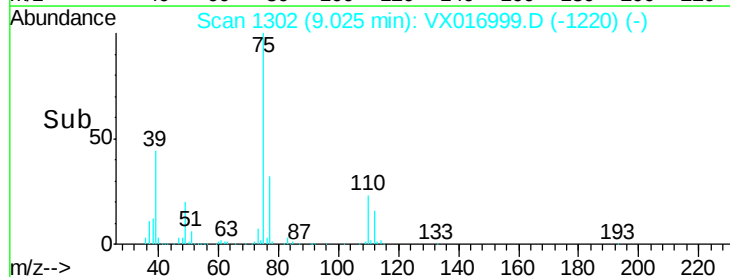
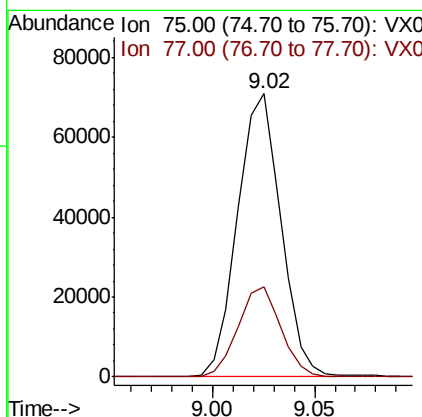
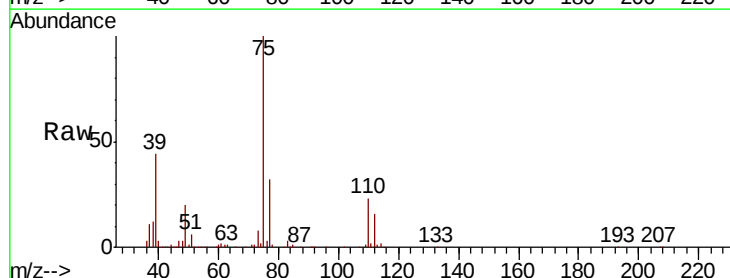
Instrument :  
MSVOA\_X  
ClientSampleId :

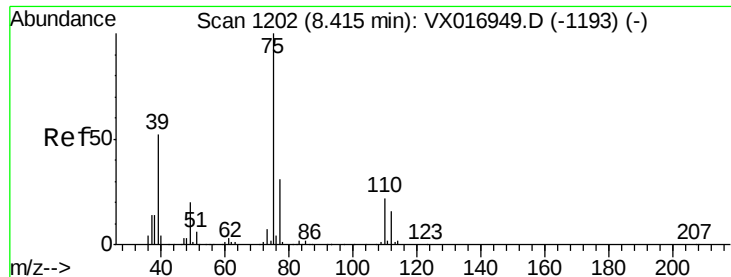
Tot Ion: 43 Resp: 135960  
Ion Ratio Lower Upper  
43 100  
55 24.3 18.6 27.8



#48  
t-1,3-Dichloropropene  
Concen: 18.006 ug/l  
RT: 9.02 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 75 Resp: 104978  
Ion Ratio Lower Upper  
75 100  
77 32.0 27.0 40.4



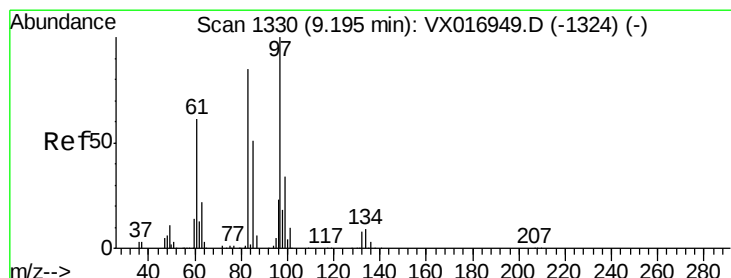
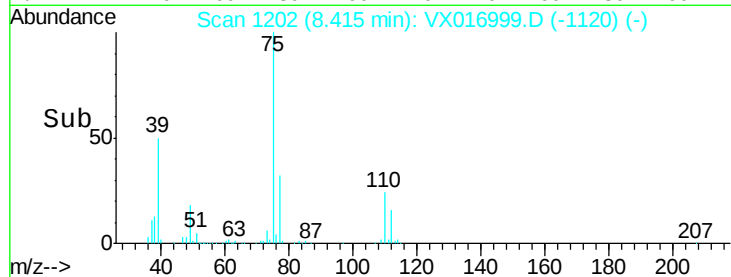
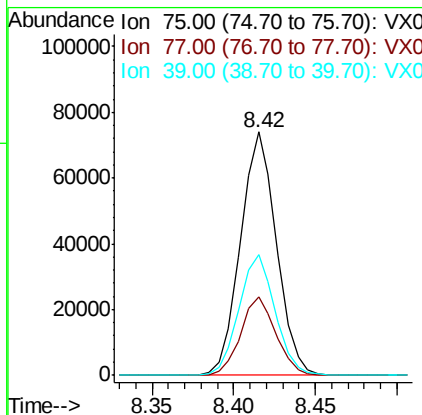
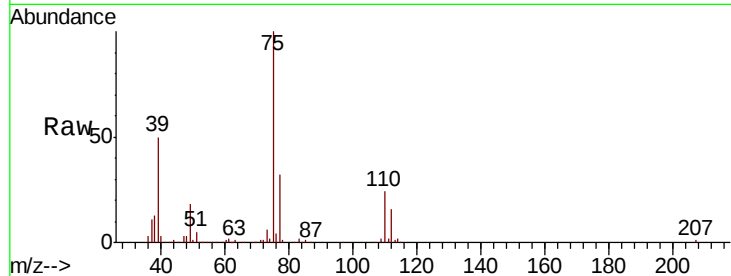


#49

cis-1,3-Dichloropropene  
 Concen: 18.537 ug/l  
 RT: 8.42 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :

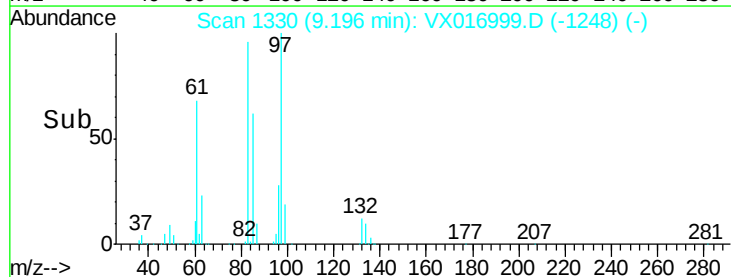
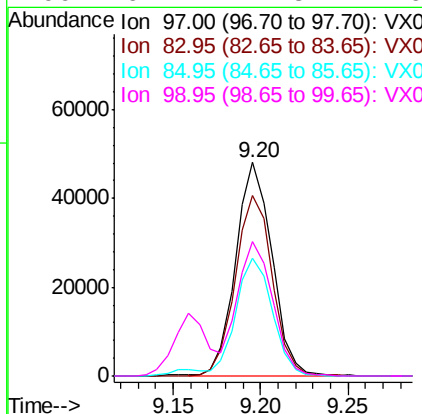
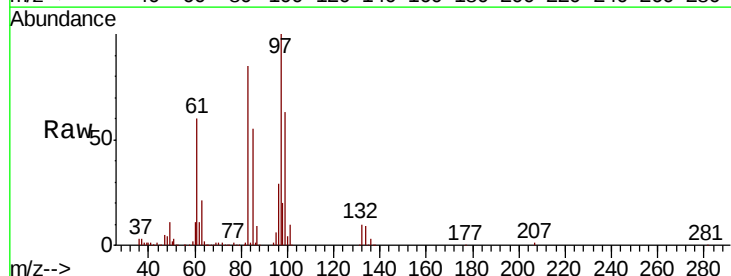
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.0  | 24.8  | 37.2  |
| 39      | 49.7  | 41.8  | 62.6  |

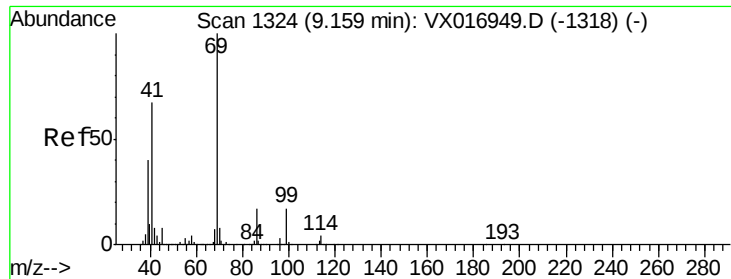


#50

1,1,2-Trichloroethane  
 Concen: 19.595 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 84.6  | 67.4  | 101.0 |
| 85      | 54.9  | 42.9  | 64.3  |
| 99      | 62.7  | 47.8  | 71.6  |





#51

Ethyl methacrylate

Concen: 18.215 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :  
MSVOA\_X  
ClientSampled :

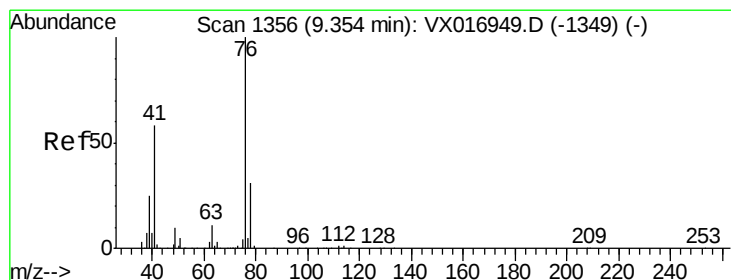
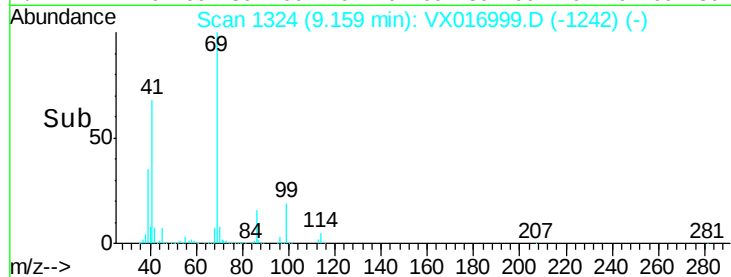
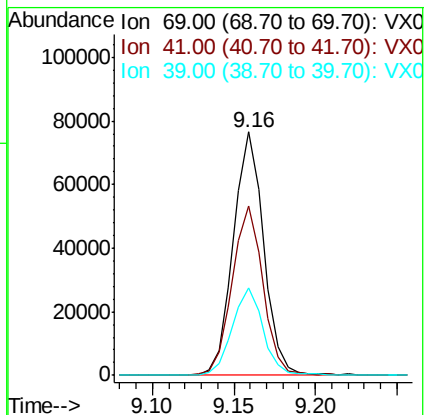
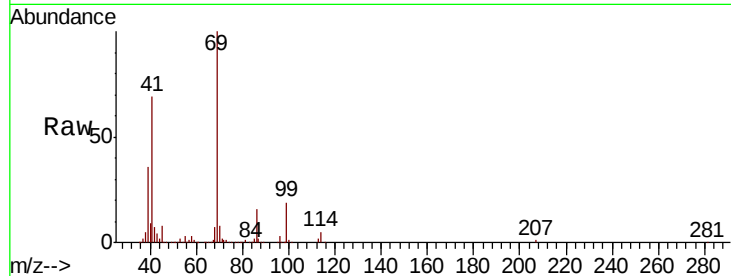
Tot Ion: 69 Resp: 99345

Ion Ratio Lower Upper

69 100

41 69.2 33.7 101.1

39 35.6 19.9 59.7



#52

1,3-Dichloropropane

Concen: 19.037 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016999.D

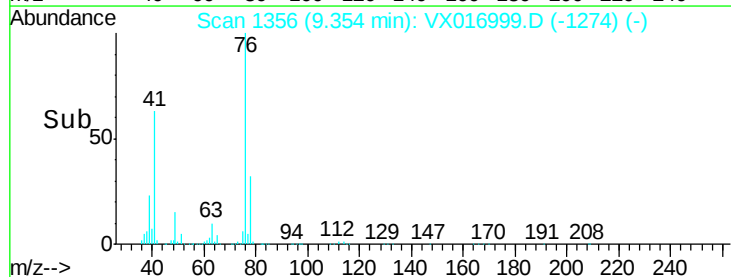
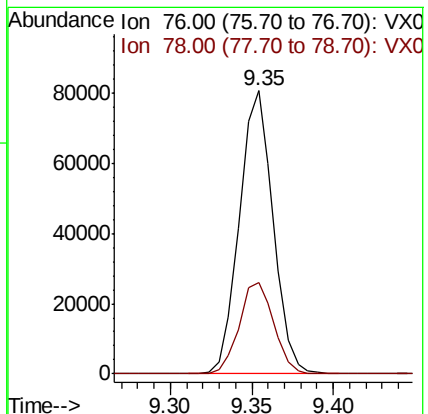
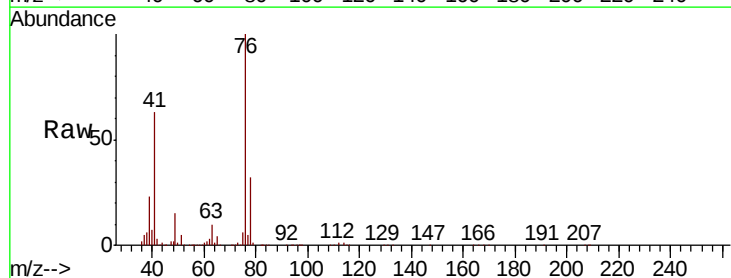
Acq: 26 Jun 2020 23:18

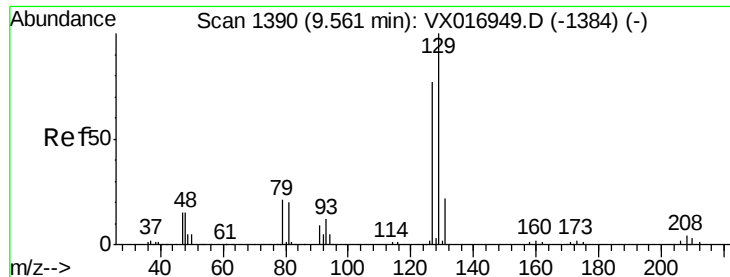
Tgt Ion: 76 Resp: 116152

Ion Ratio Lower Upper

76 100

78 33.2 0.0 62.4





#53

Dibromochloromethane

Concen: 19.553 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

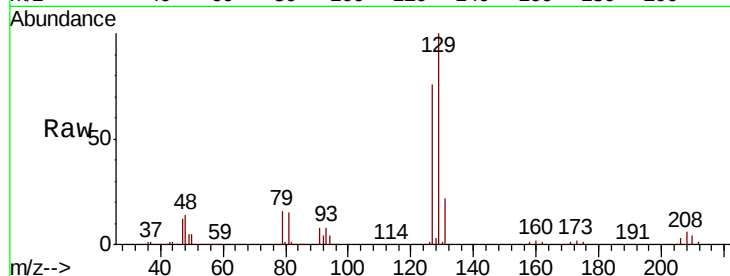
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:129 Resp: 79867

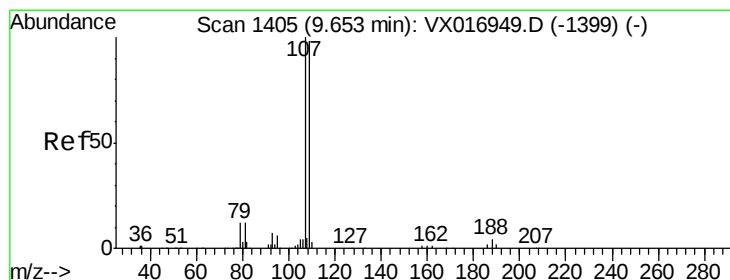
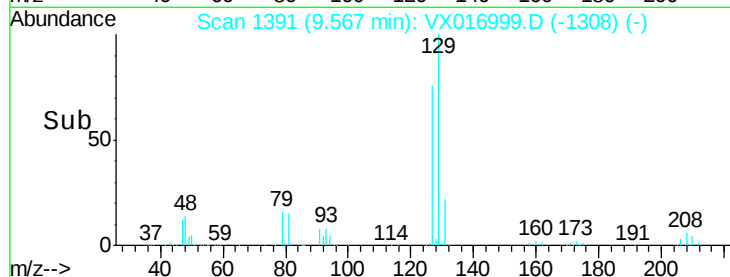
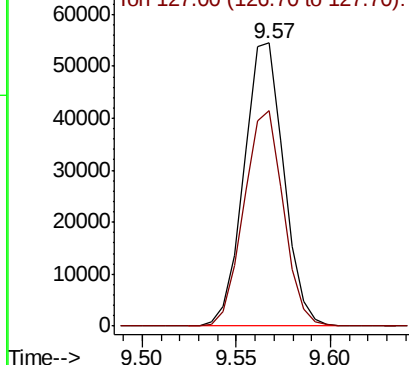
Ion Ratio Lower Upper

129 100

127 75.3 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.717 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016999.D

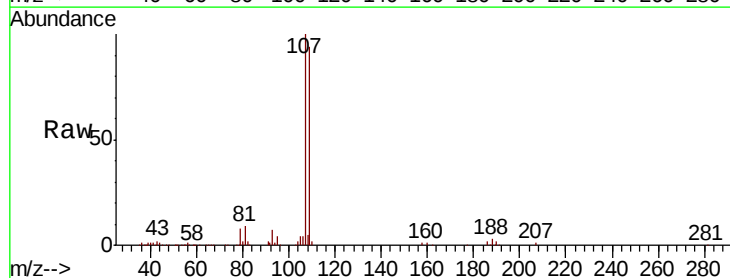
Acq: 26 Jun 2020 23:18

Tgt Ion:107 Resp: 74355

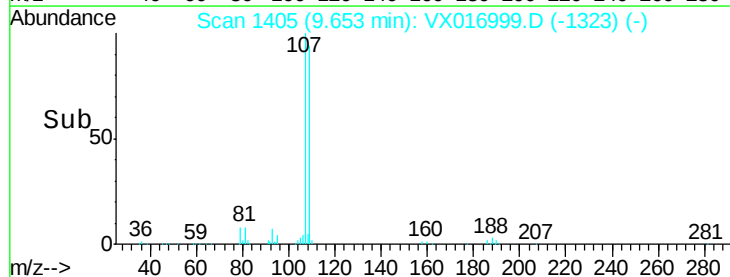
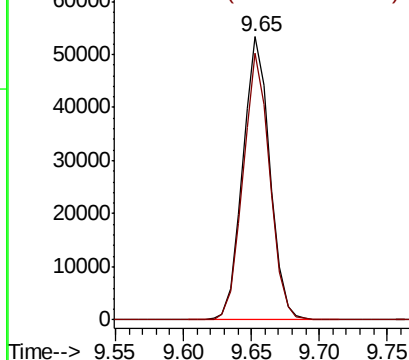
Ion Ratio Lower Upper

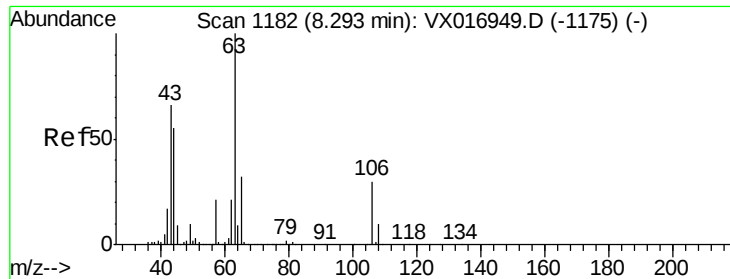
107 100

109 92.7 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V  
Ion 109.00 (108.70 to 109.70): V

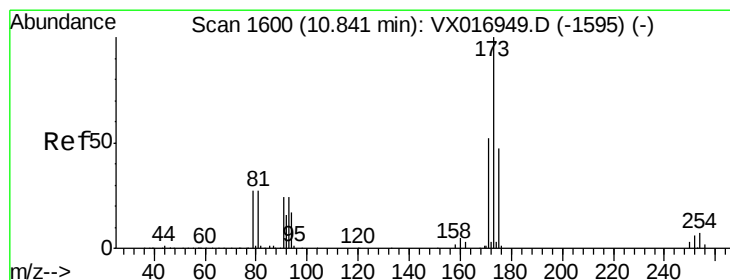
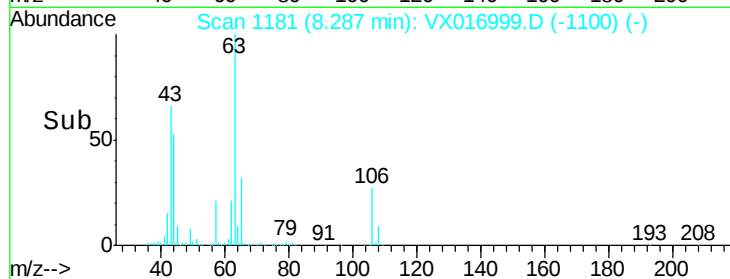
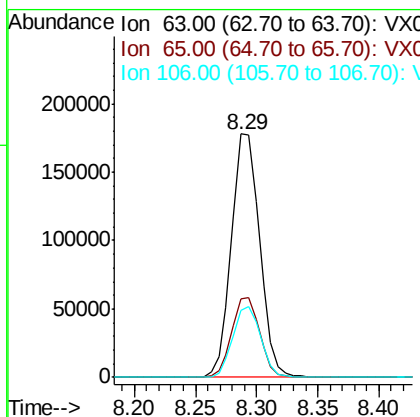
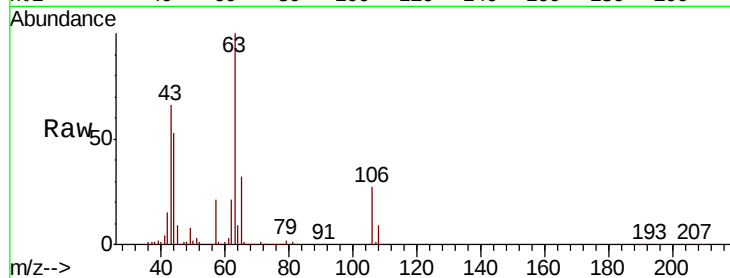




#55  
 2-Chloroethyl vinyl ether  
 Concen: 99.355 ug/l  
 RT: 8.29 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

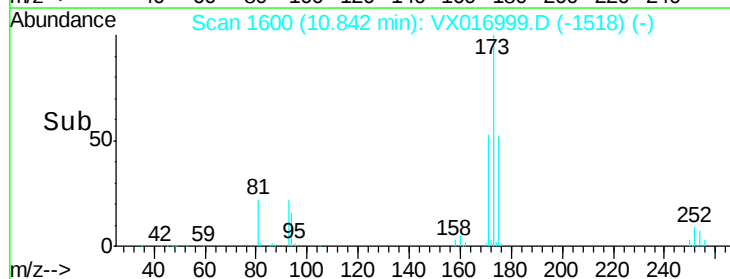
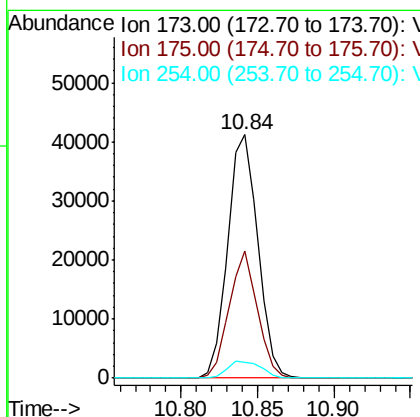
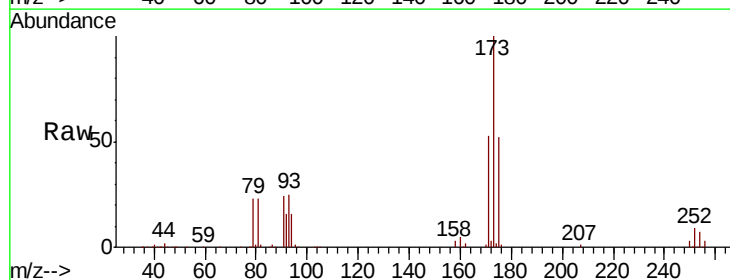
Instrument :  
 MSVOA\_X  
 ClientSampleId :

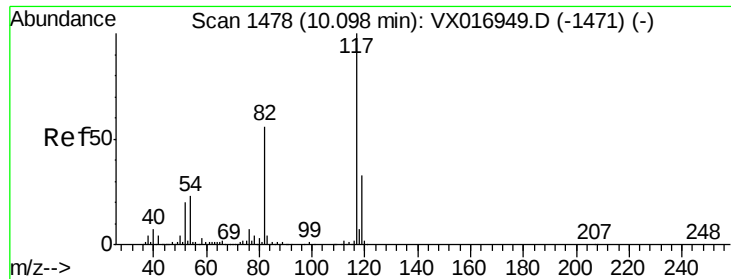
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.4  | 25.9  | 38.9  |
| 106     | 28.8  | 22.6  | 33.8  |



#56  
 Bromoform  
 Concen: 19.350 ug/l  
 RT: 10.84 min Scan# 1600  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.2  | 38.7  | 58.1  |
| 254     | 7.8   | 5.8   | 8.6   |

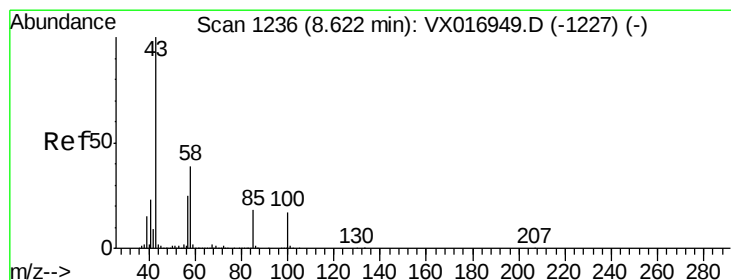
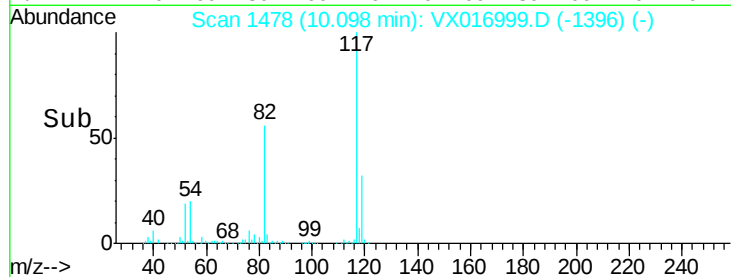
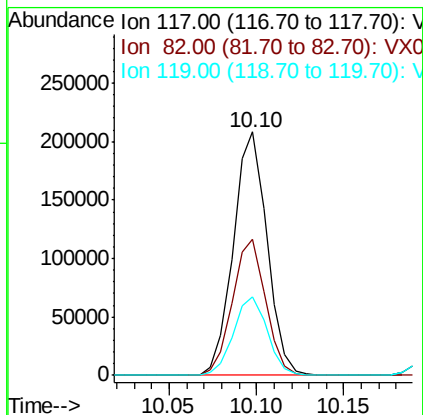
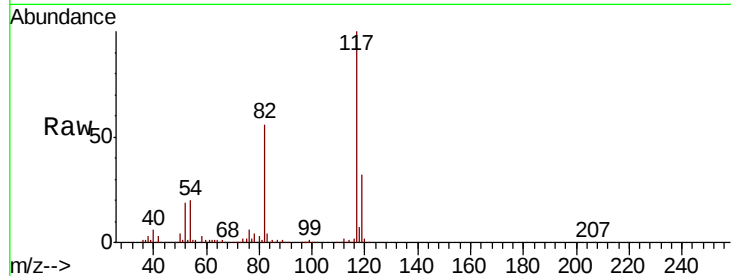




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

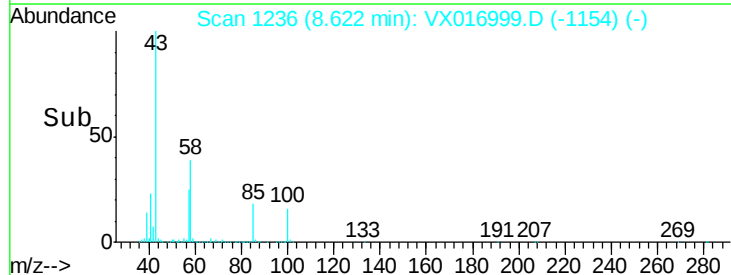
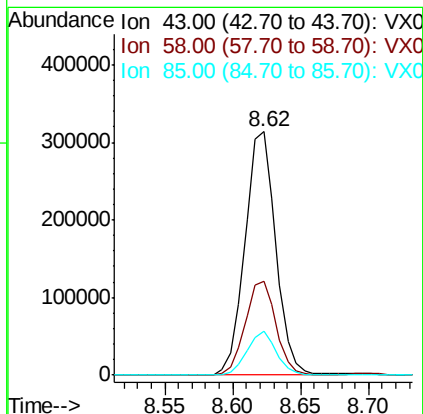
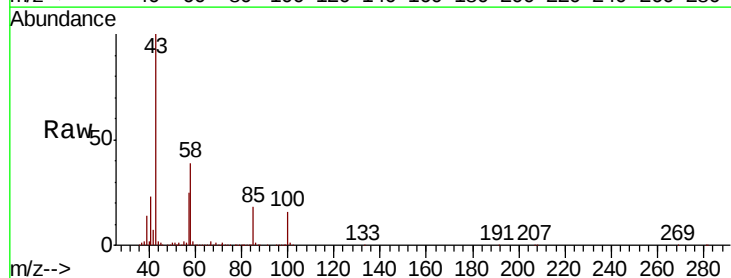
Instrument :  
MSVOA\_X  
ClientSampleId :

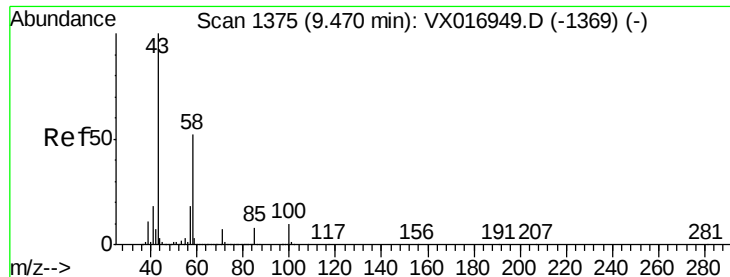
Tot Ion:117 Resp: 278355  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.9 67.3  
119 32.3 25.8 38.8



#58  
4-Methyl-2-Pentanone  
Concen: 97.180 ug/l  
RT: 8.62 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 43 Resp: 498279  
Ion Ratio Lower Upper  
43 100  
58 38.5 30.4 45.6  
85 17.2 13.5 20.3

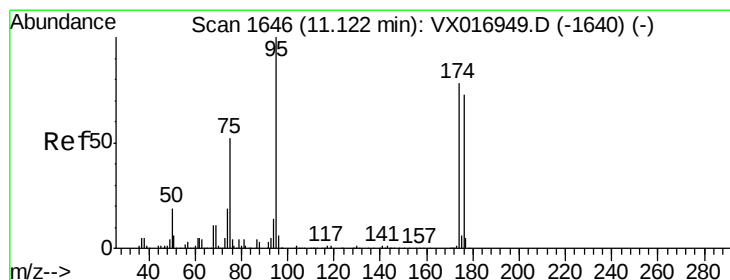
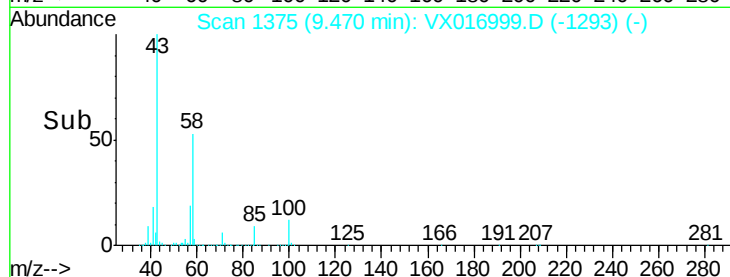
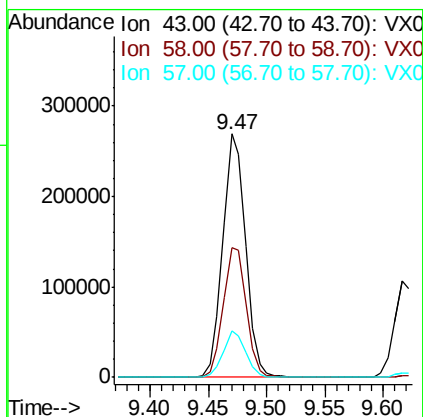
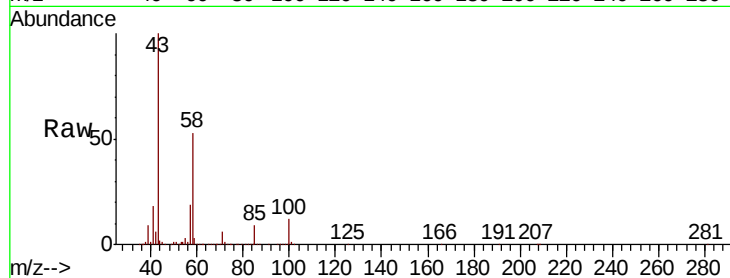




#59  
2-Hexanone  
Concen: 95.513 ug/l  
RT: 9.47 min Scan# 1375  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

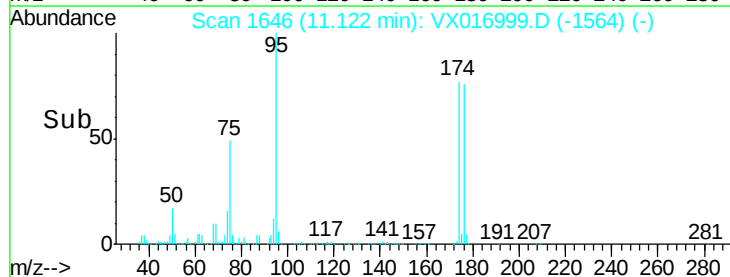
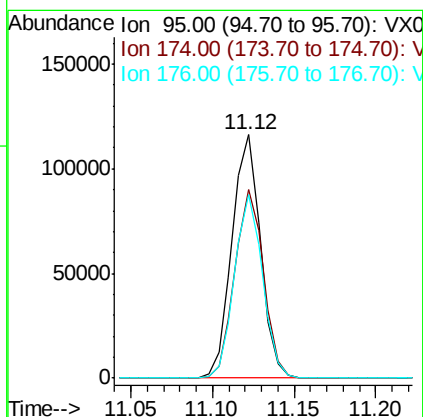
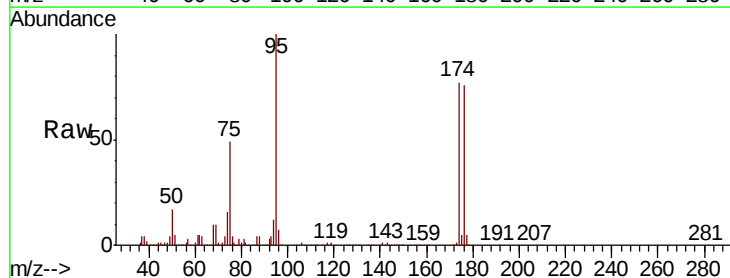
Instrument :  
MSVOA\_X  
ClientSampleId :

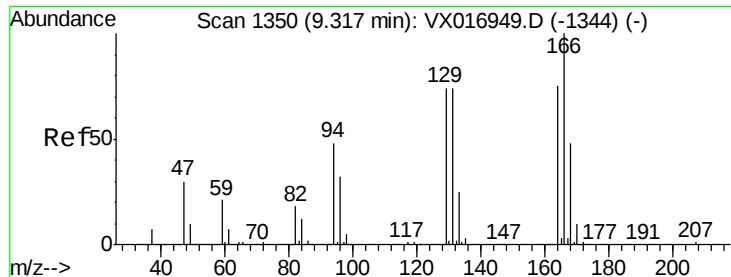
Tot Ion: 43 Resp: 365492  
Ion Ratio Lower Upper  
43 100  
58 54.0 42.3 63.5  
57 18.7 14.1 21.1



#60  
4-Bromofluorobenzene  
Concen: 30.343 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 95 Resp: 140860  
Ion Ratio Lower Upper  
95 100  
174 78.1 62.2 93.4  
176 74.9 58.9 88.3





#61

Tetrachloroethene

Concen: 18.738 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:164 Resp: 66518

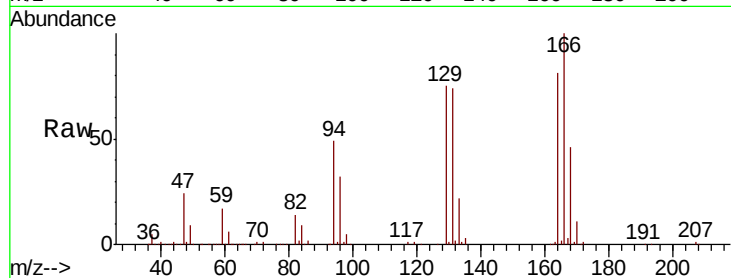
Ion Ratio Lower Upper

164 100

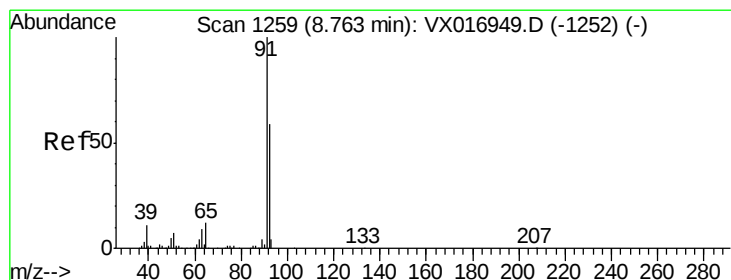
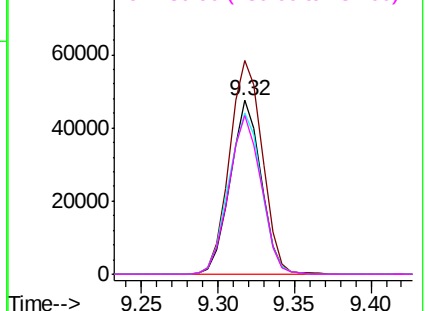
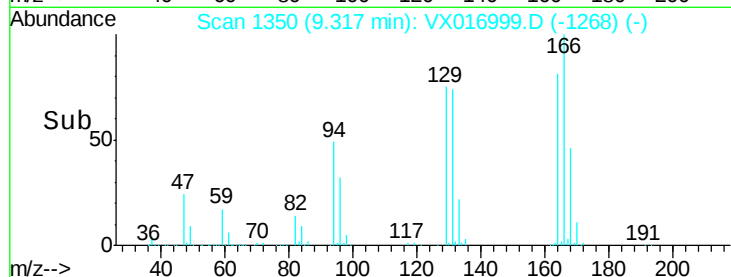
166 123.0 106.3 159.5

129 92.7 78.9 118.3

131 91.3 78.2 117.4



Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.90 (128.60 to 129.60): V  
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.206 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX016999.D

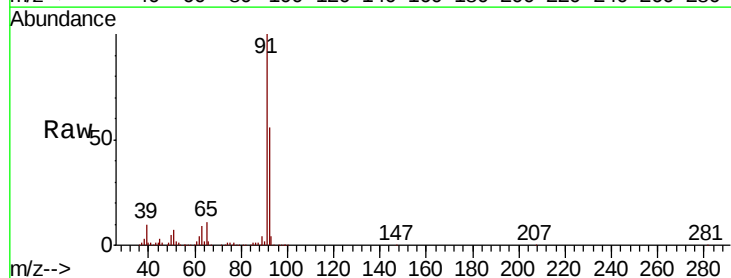
Acq: 26 Jun 2020 23:18

Tgt Ion: 91 Resp: 292403

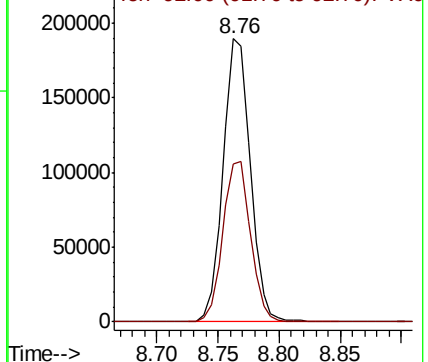
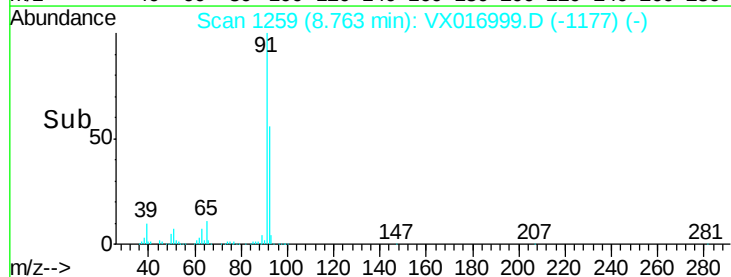
Ion Ratio Lower Upper

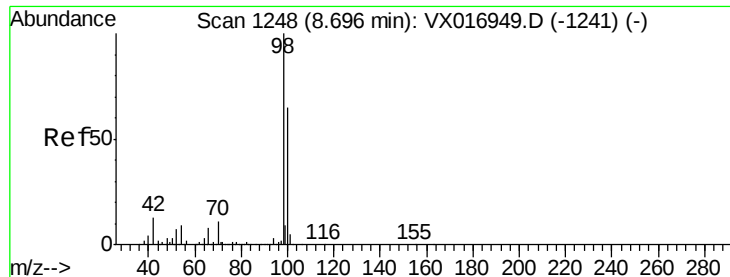
91 100

92 57.8 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.248 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

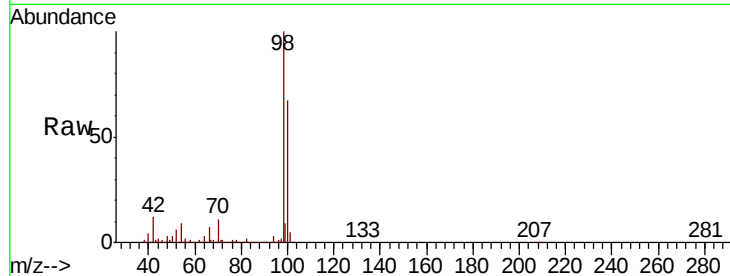
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 98 Resp: 371140

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

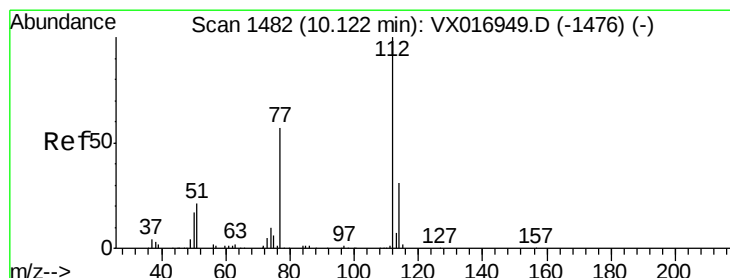
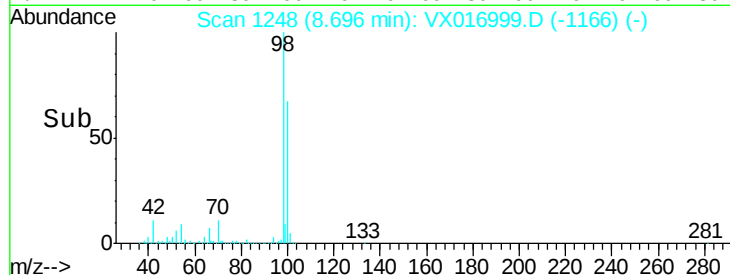
100000

50000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 19.241 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016999.D

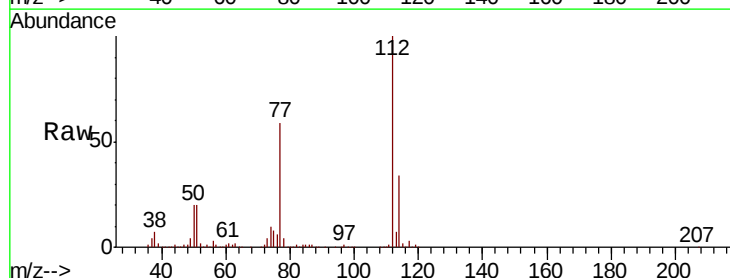
Acq: 26 Jun 2020 23:18

Tgt Ion: 112 Resp: 183520

Ion Ratio Lower Upper

112 100

114 33.7 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

150000

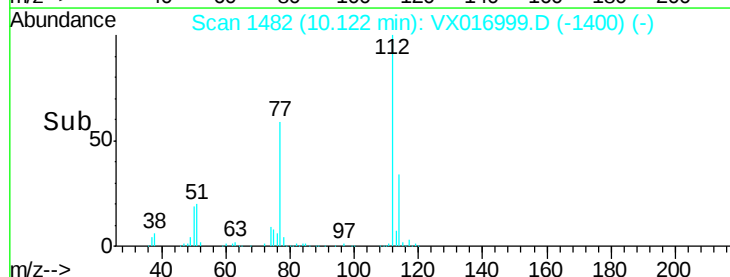
100000

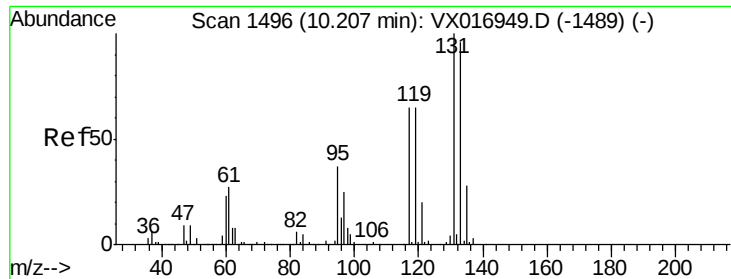
50000

0

10.05 10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.774 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

ClientSampleId :

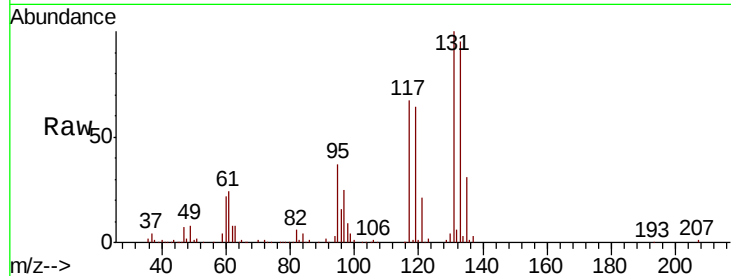
Tot Ion:131 Resp: 71005

Ion Ratio Lower Upper

131 100

133 95.6 0.0 190.2

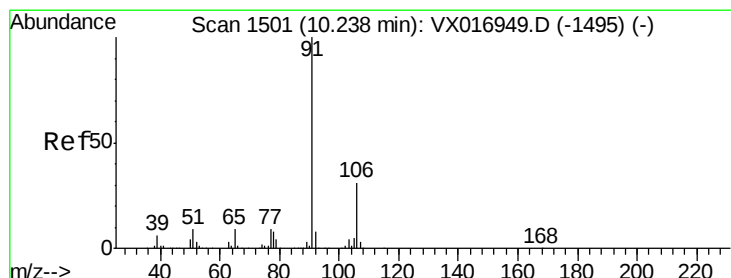
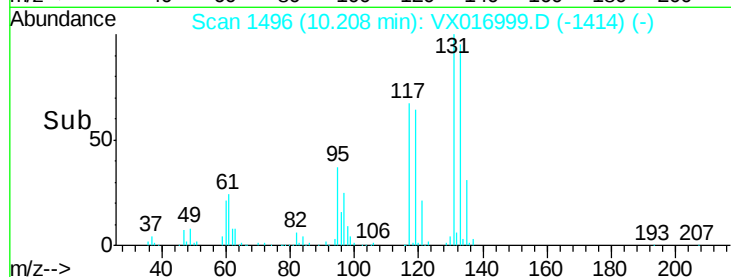
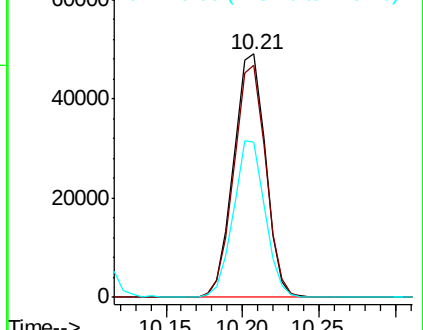
119 63.4 0.0 133.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.685 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016999.D

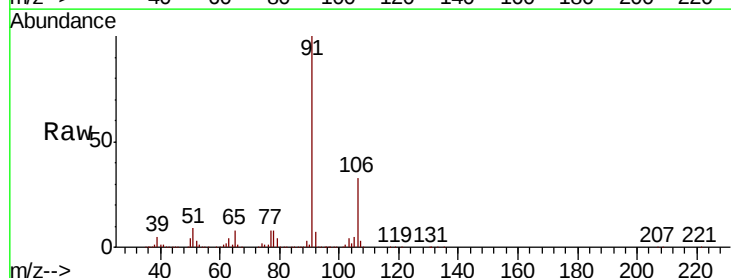
Acq: 26 Jun 2020 23:18

Tgt Ion: 91 Resp: 315469

Ion Ratio Lower Upper

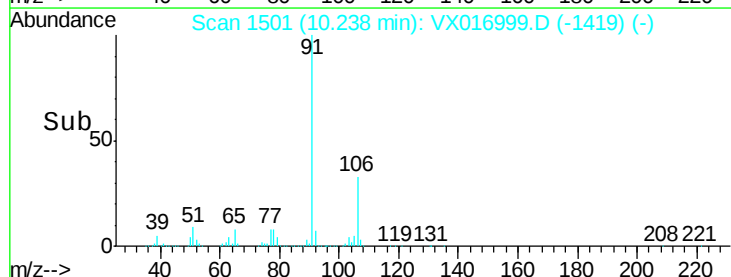
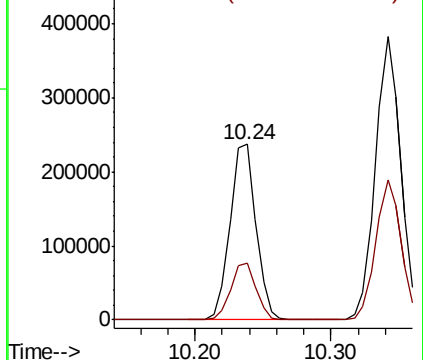
91 100

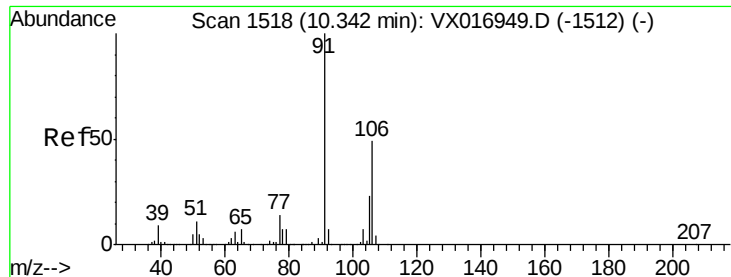
106 32.5 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 38.529 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

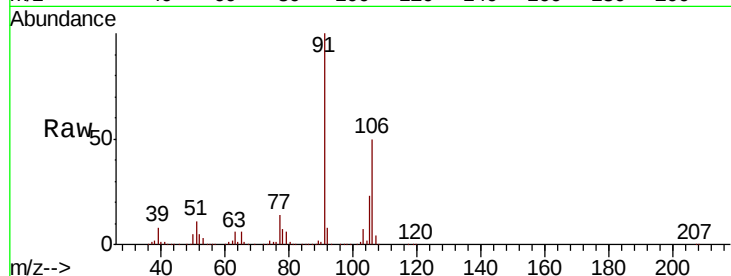
ClientSampleId :

Tot Ion:106 Resp: 245393

Ion Ratio Lower Upper

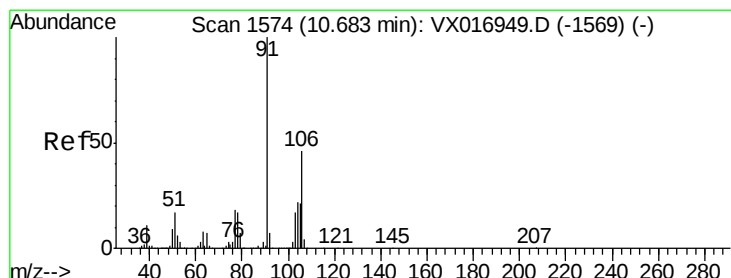
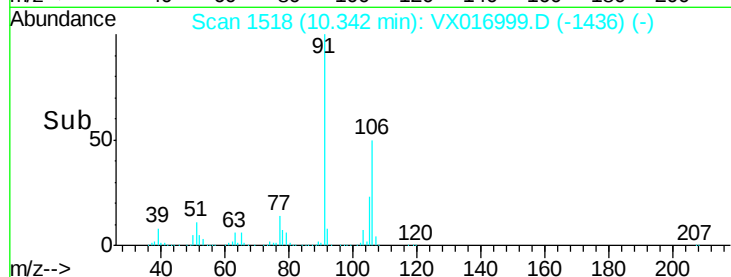
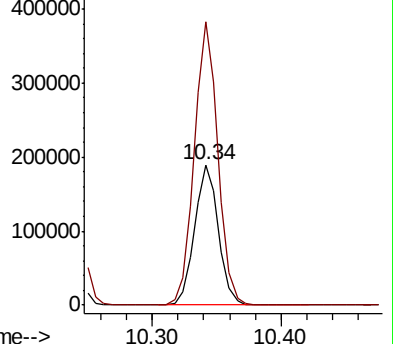
106 100

91 200.9 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.667 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016999.D

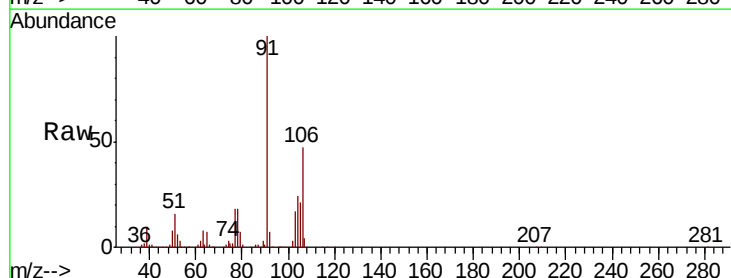
Acq: 26 Jun 2020 23:18

Tgt Ion:106 Resp: 114207

Ion Ratio Lower Upper

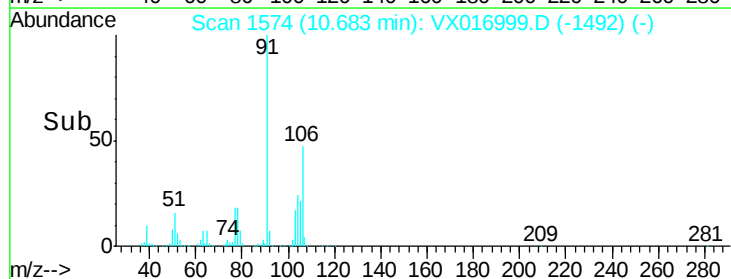
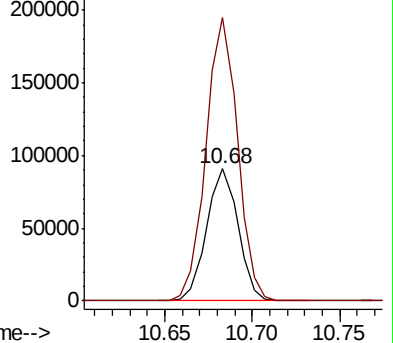
106 100

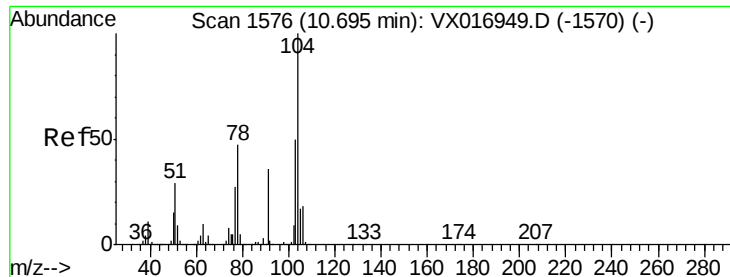
91 215.0 107.3 321.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 18.995 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

ClientSampleId :

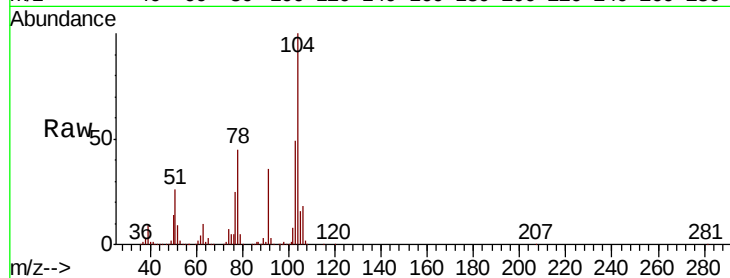
Tot Ion:104 Resp: 198984

Ion Ratio Lower Upper

104 100

78 50.3 42.6 64.0

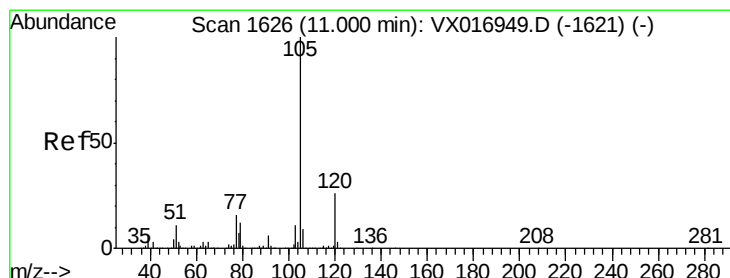
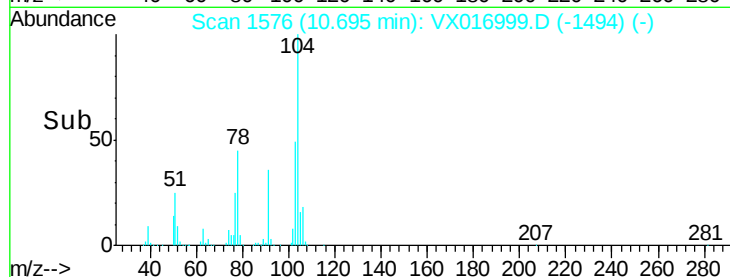
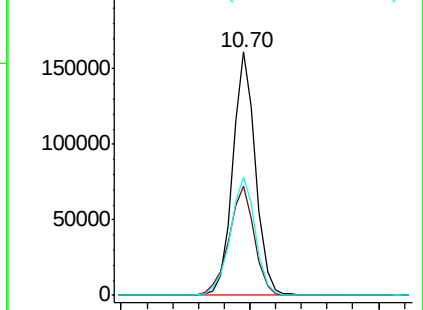
103 53.7 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 18.842 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016999.D

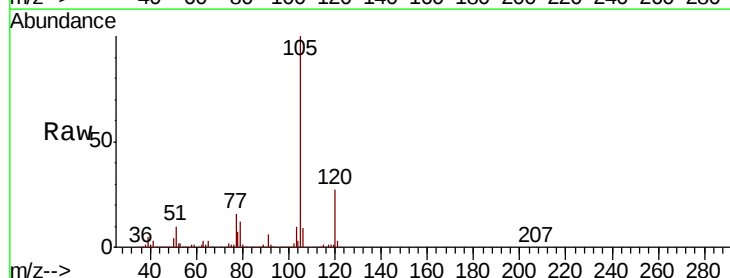
Acq: 26 Jun 2020 23:18

Tgt Ion:105 Resp: 312649

Ion Ratio Lower Upper

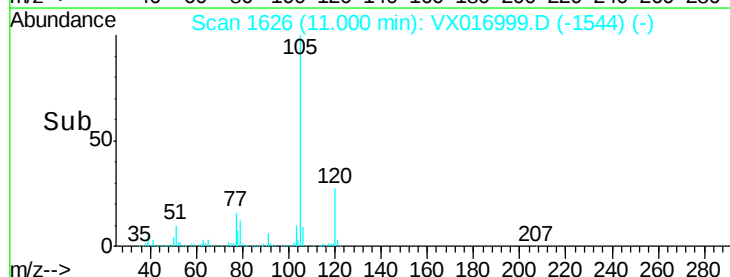
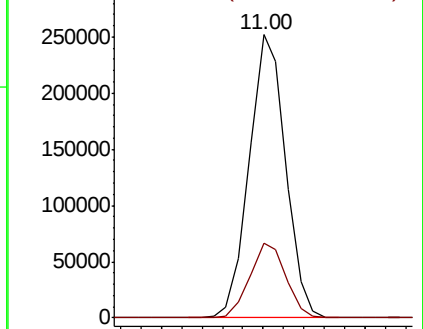
105 100

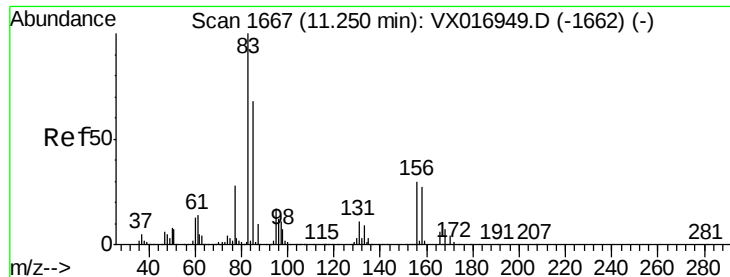
120 26.4 19.0 35.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

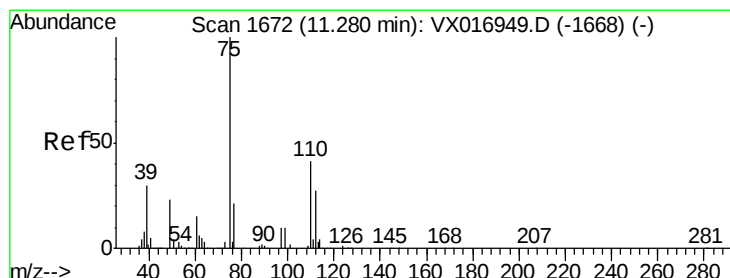
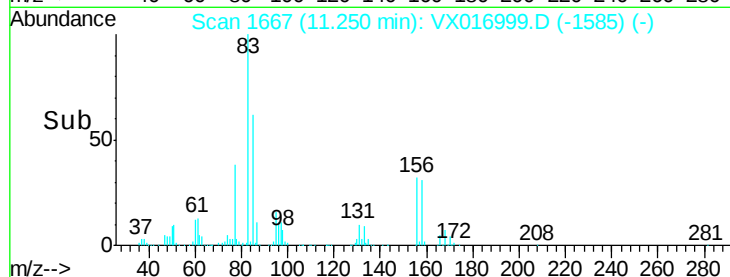
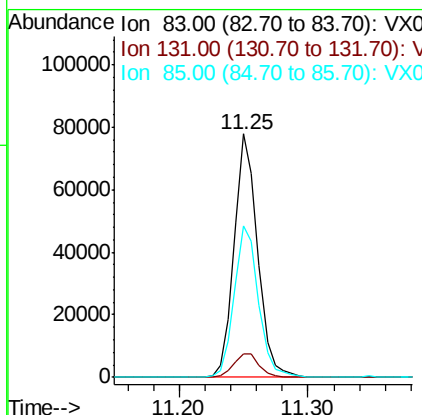
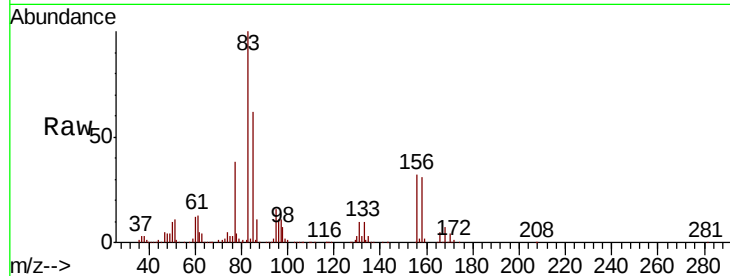




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.538 ug/l  
 RT: 11.25 min Scan# 1667  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

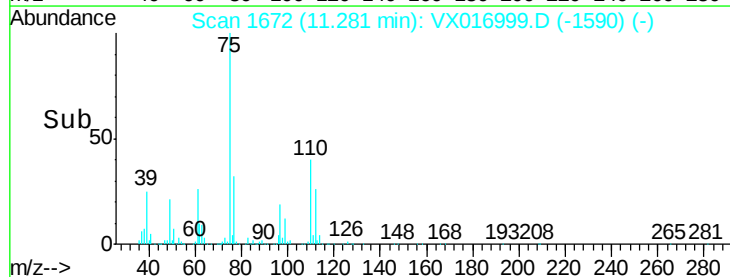
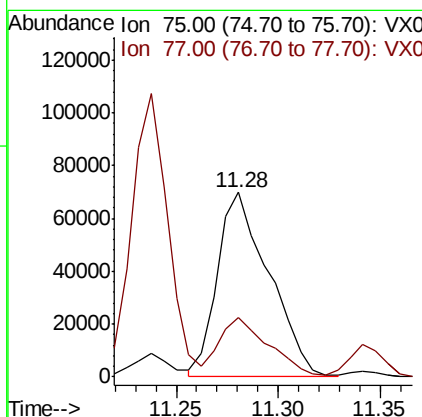
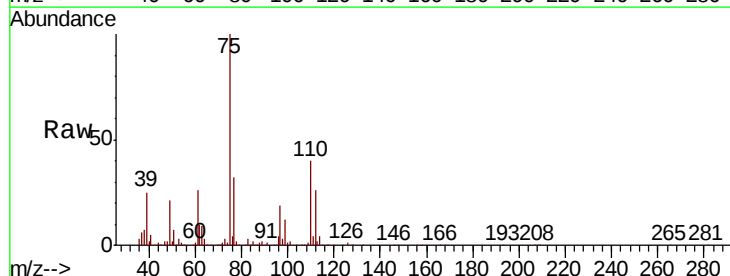
Instrument :  
 MSVOA\_X  
 ClientSampleId :

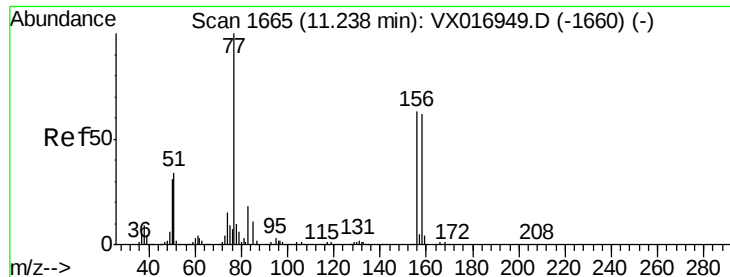
| Tot Ion   | 83   | Resp  | 99568 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 131       | 10.6 | 5.2   | 15.6  |
| 85        | 63.9 | 33.1  | 99.3  |



#72  
 1,2,3-Trichloropropane  
 Concen: 25.180 ug/l  
 RT: 11.28 min Scan# 1672  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

| Tgt Ion   | 75   | Resp  | 123227 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 75        | 100  |       |        |
| 77        | 31.0 | 0.0   | 77.2   |





#73

Bromobenzene

Concen: 18.992 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

ClientSampleId :

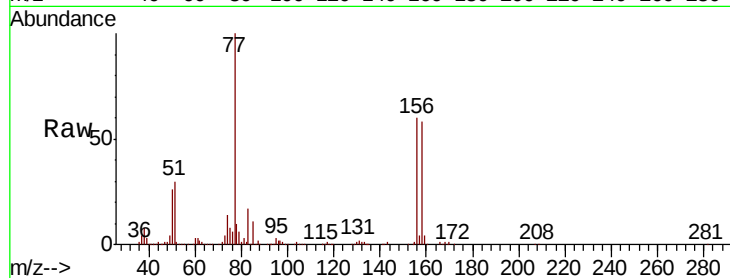
Tot Ion:156 Resp: 79537

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 167.0 | 0.0   | 317.2 |
| 158 | 96.0  | 0.0   | 188.4 |

156 100

77 167.0 0.0 317.2

158 96.0 0.0 188.4

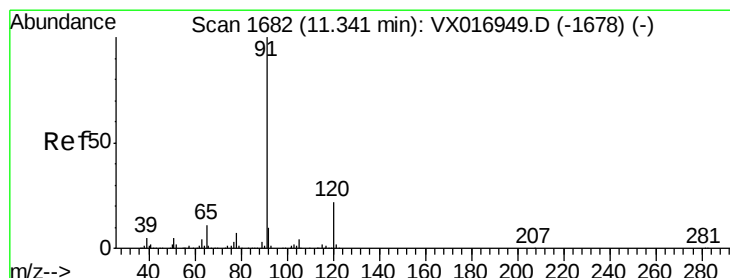
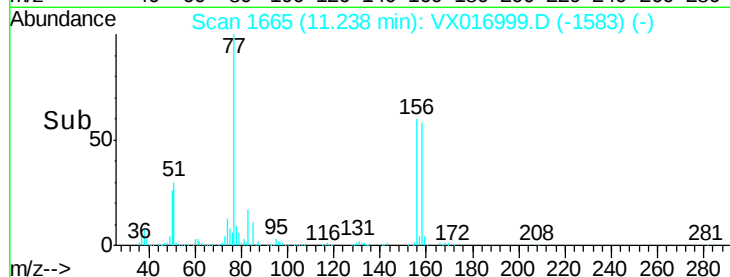
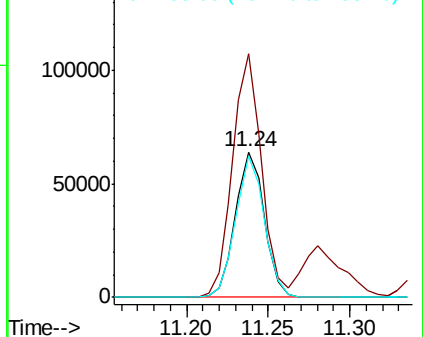


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.235 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX016999.D

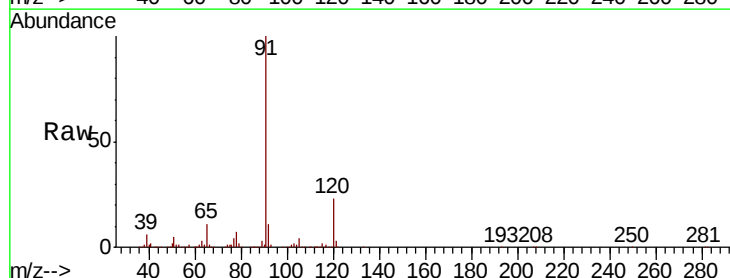
Acq: 26 Jun 2020 23:18

Tgt Ion: 91 Resp: 359278

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 120 | 23.5  | 0.0   | 45.6  |

91 100

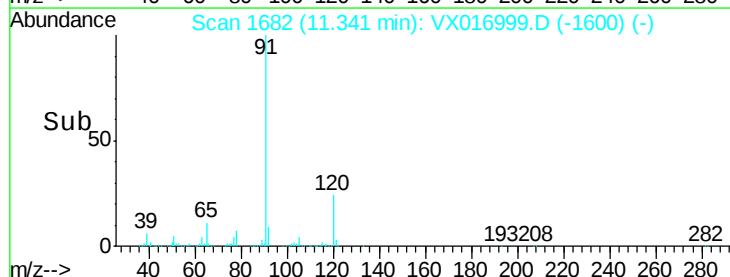
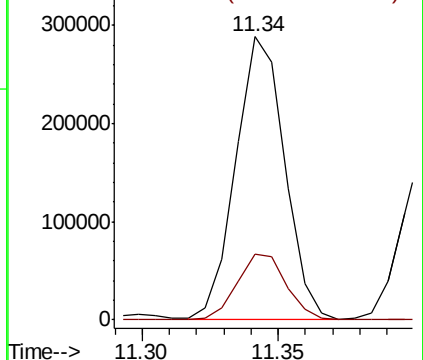
120 23.5 0.0 45.6

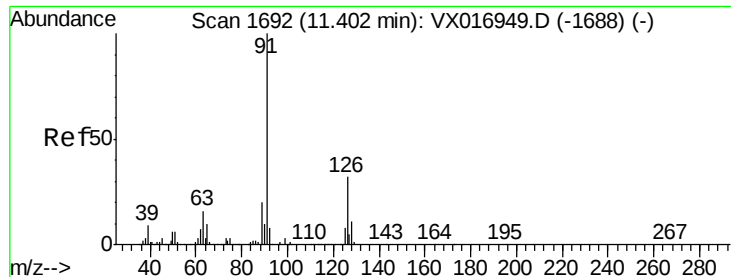


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

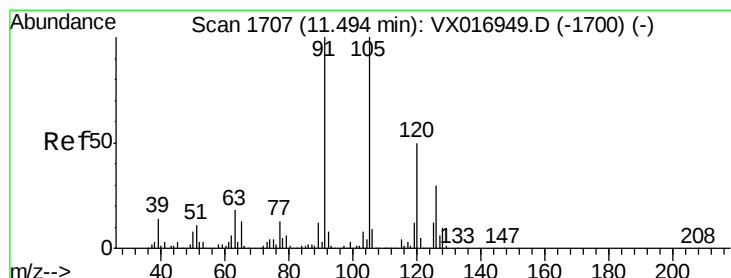
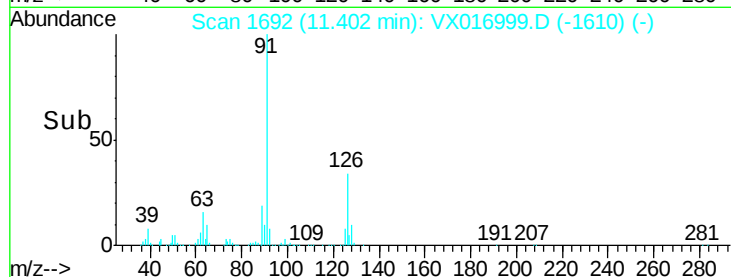
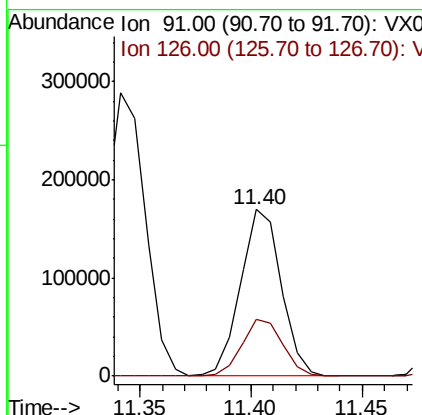
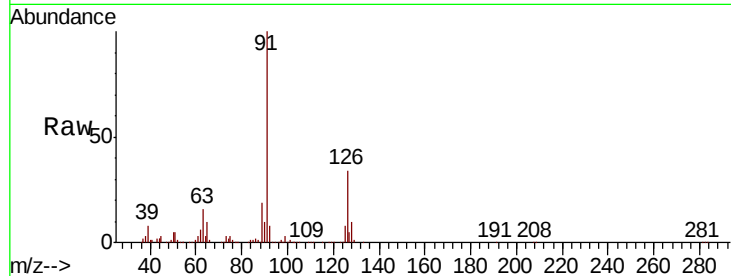




#75  
2-Chlorotoluene  
Concen: 18.910 ug/l  
RT: 11.40 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

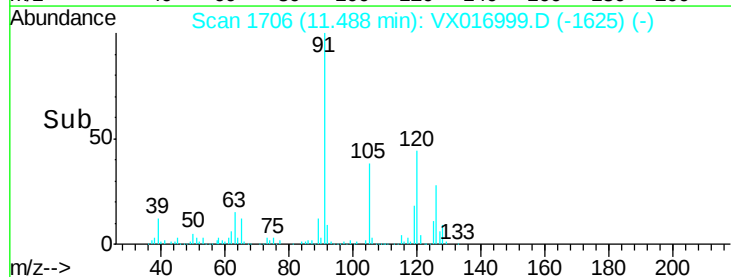
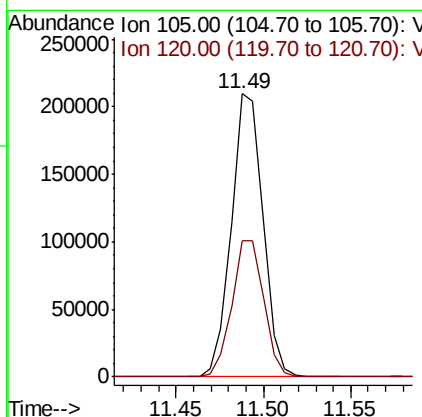
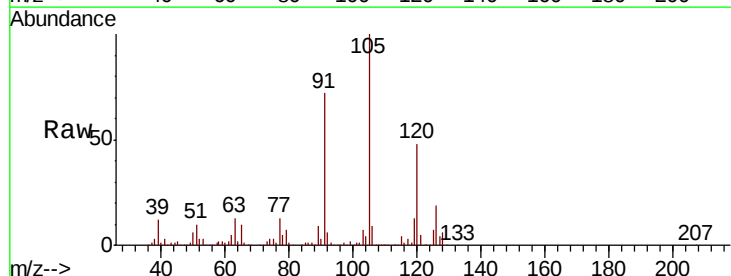
Instrument :  
MSVOA\_X  
ClientSampleId :

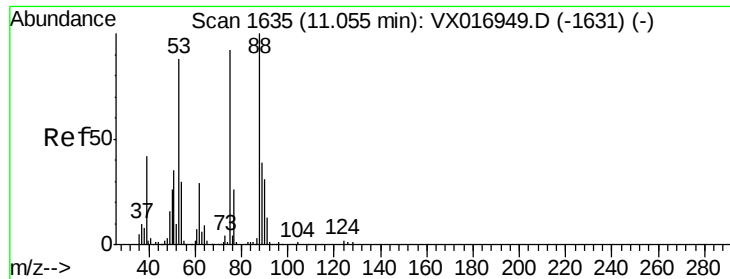
Tot Ion: 91 Resp: 217261  
Ion Ratio Lower Upper  
91 100  
126 34.1 0.0 68.0



#76  
1,3,5-Trimethylbenzene  
Concen: 18.881 ug/l  
RT: 11.49 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 105 Resp: 262986  
Ion Ratio Lower Upper  
105 100  
120 48.8 0.0 99.4

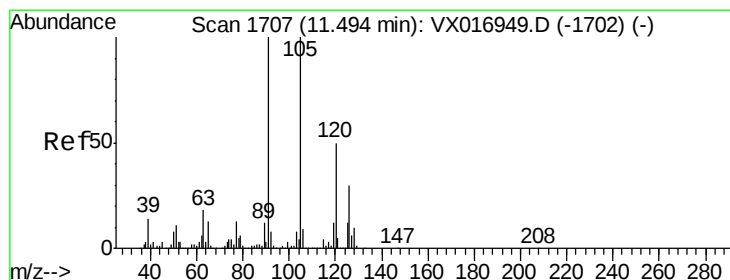
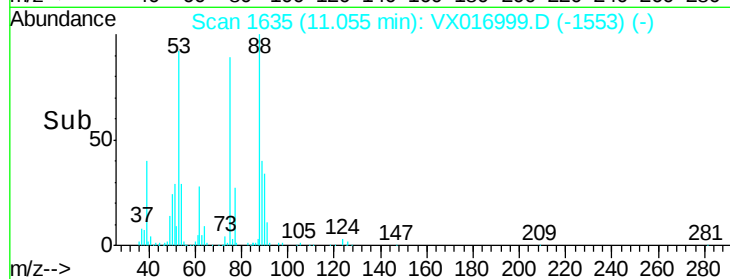
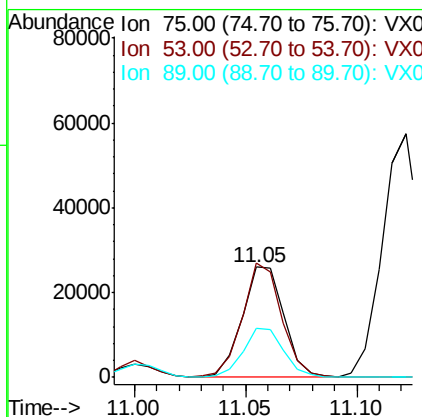
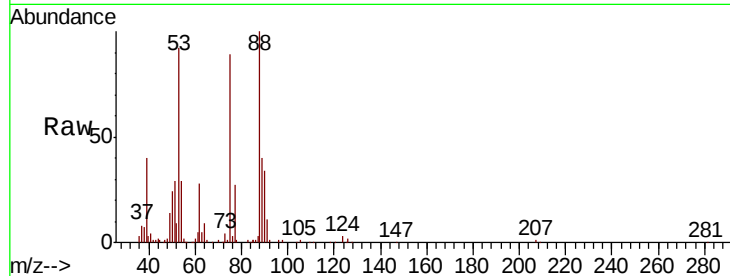




#77  
t-1,4-Dichloro-2-butene  
Concen: 17.273 ug/l  
RT: 11.05 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

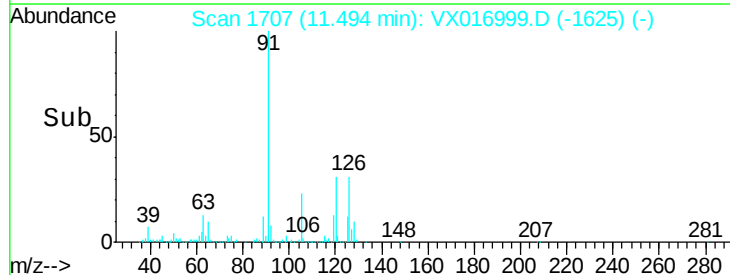
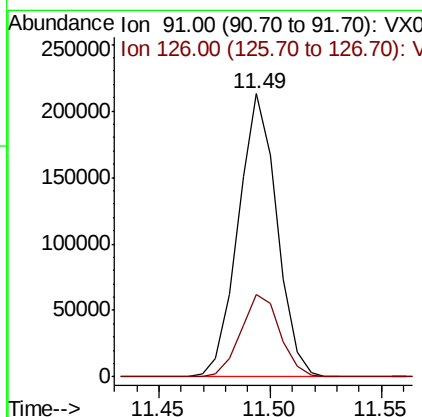
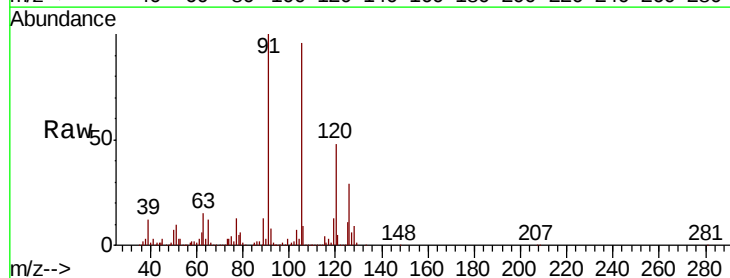
Instrument :  
MSVOA\_X  
ClientSampleId :

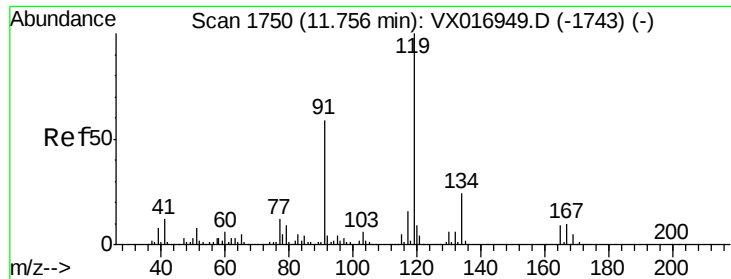
Tot Ion: 75 Resp: 34257  
Ion Ratio Lower Upper  
75 100  
53 102.9 47.6 142.9  
89 44.6 21.1 63.4



#78  
4-Chlorotoluene  
Concen: 18.950 ug/l  
RT: 11.49 min Scan# 1707  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 91 Resp: 257778  
Ion Ratio Lower Upper  
91 100  
126 29.9 0.0 60.6

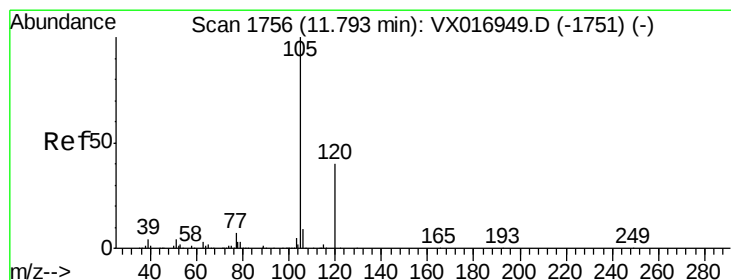
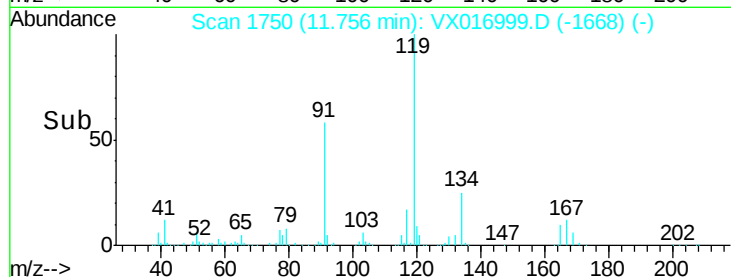
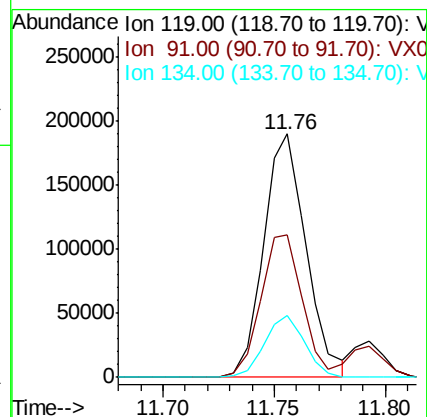
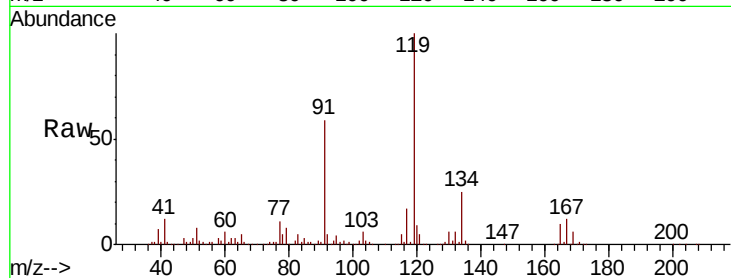




#79  
tert-butylbenzene  
Concen: 18.836 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

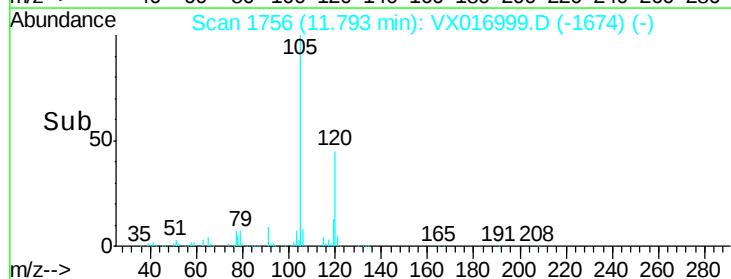
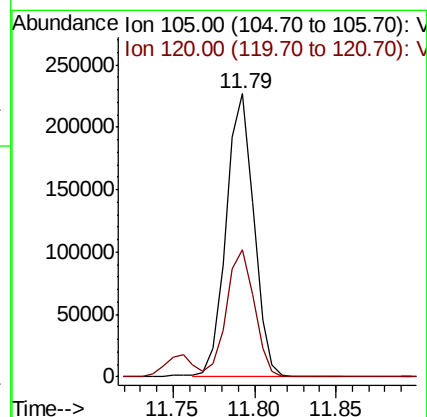
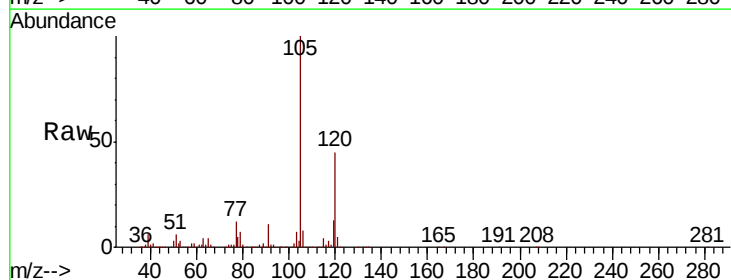
Instrument :  
MSVOA\_X  
ClientSampleId :

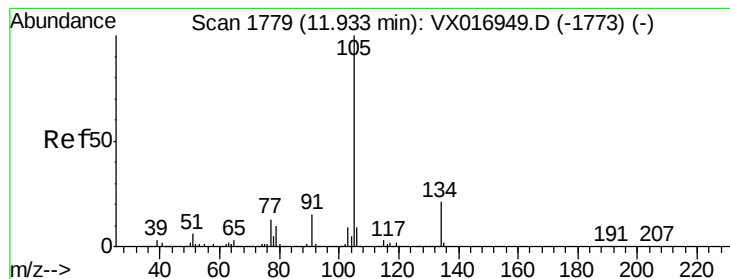
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 57.1  | 0.0   | 115.2 |
| 134     | 24.0  | 0.0   | 45.8  |



#80  
1,2,4-Trimethylbenzene  
Concen: 19.154 ug/l  
RT: 11.79 min Scan# 1756  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.3  | 0.0   | 89.8  |





#81

sec-Butylbenzene

Concen: 18.248 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

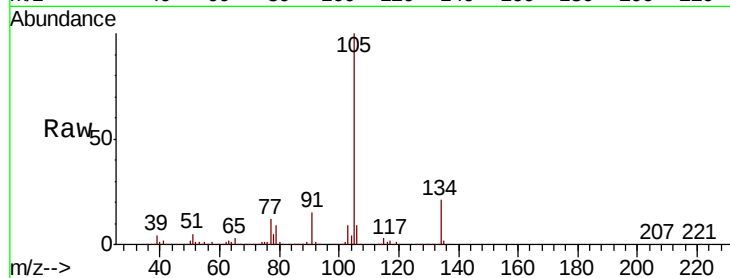
ClientSampleId :

Tot Ion:105 Resp: 294798

Ion Ratio Lower Upper

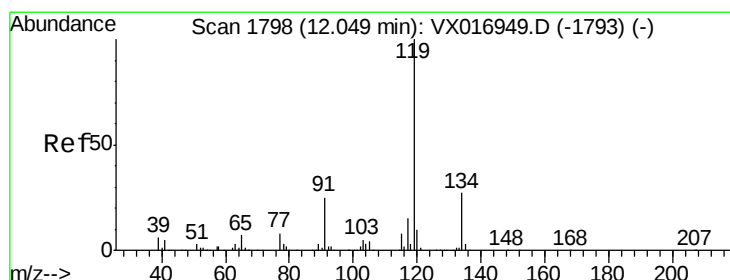
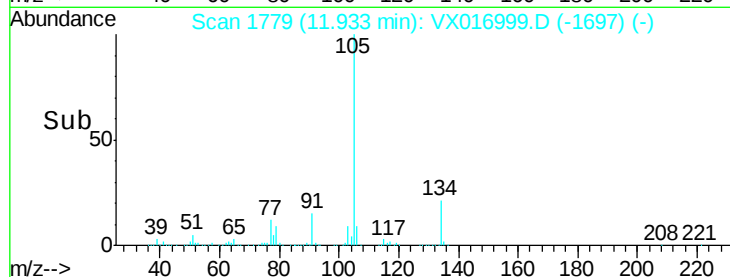
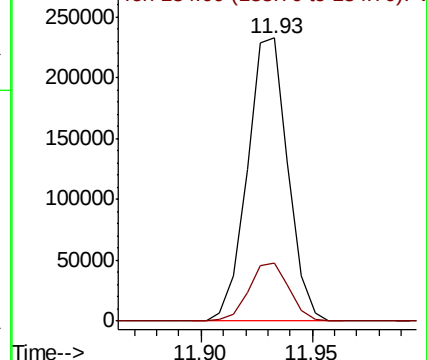
105 100

134 20.3 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.469 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

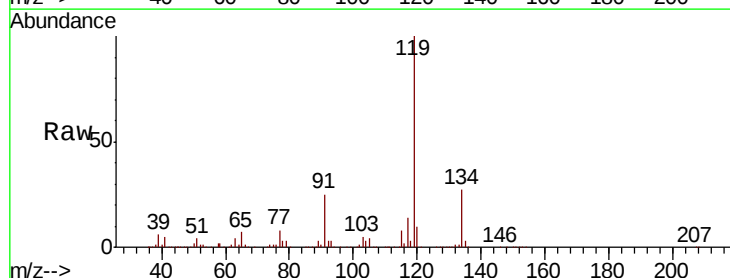
Tgt Ion:119 Resp: 269396

Ion Ratio Lower Upper

119 100

134 26.3 0.0 53.0

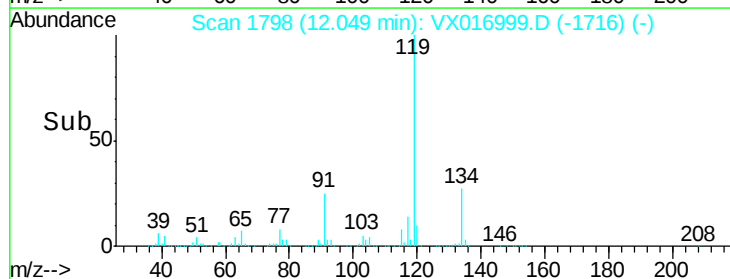
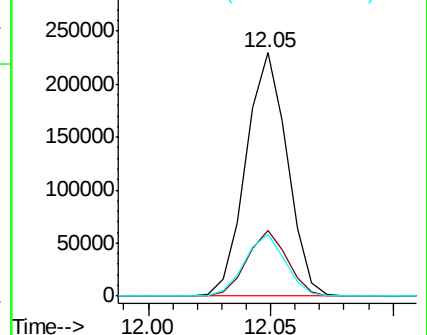
91 24.9 0.0 49.0

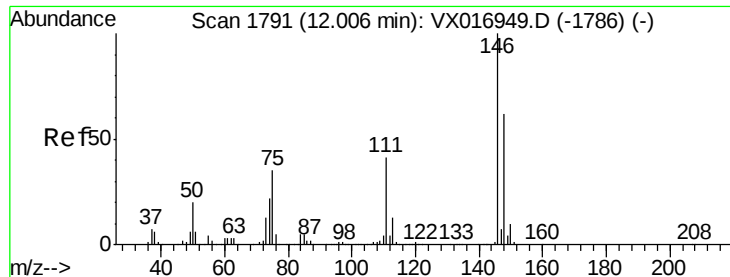


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

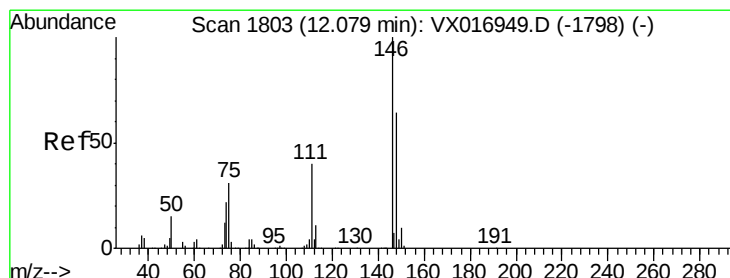
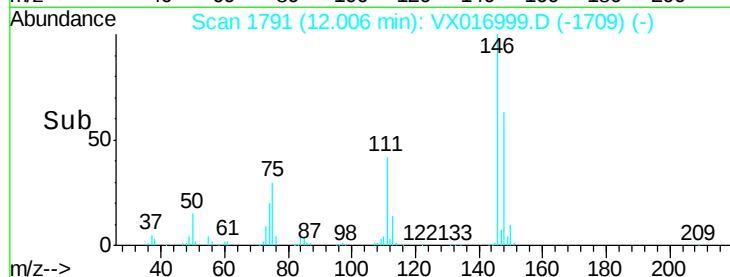
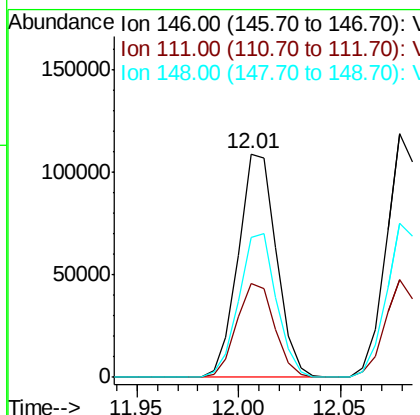
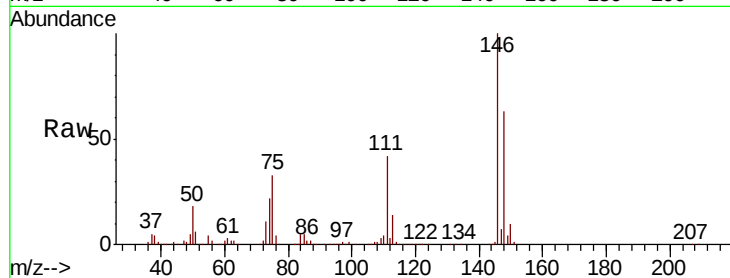




#83  
 1,3-Dichlorobenzene  
 Concen: 18.897 ug/l  
 RT: 12.01 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

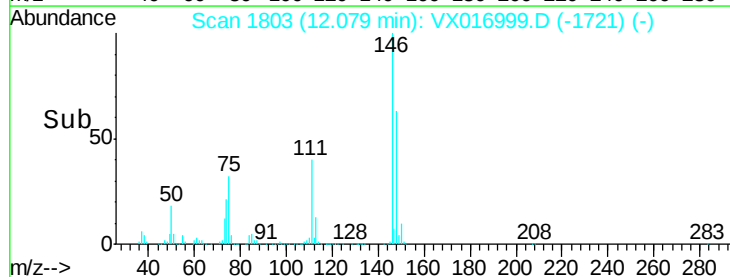
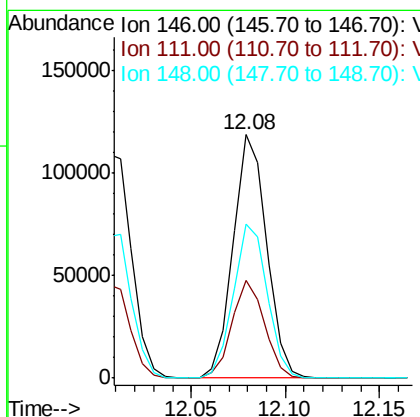
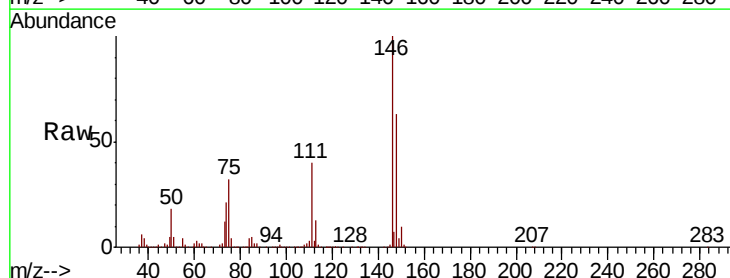
Instrument :  
 MSVOA\_X  
 ClientSampleId :

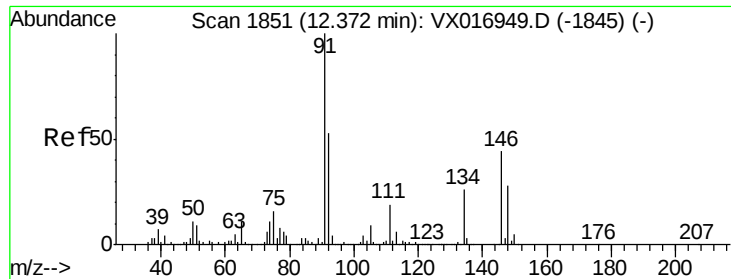
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.5  | 19.5  | 58.5  |
| 148     | 63.7  | 31.8  | 95.4  |



#84  
 1,4-Dichlorobenzene  
 Concen: 19.441 ug/l  
 RT: 12.08 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VX016999.D  
 Acq: 26 Jun 2020 23:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.4  | 58.2  |
| 148     | 64.2  | 32.1  | 96.3  |

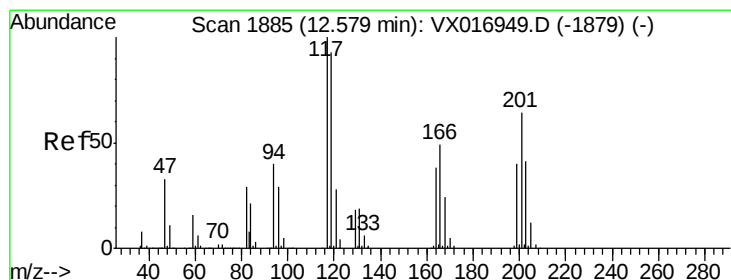
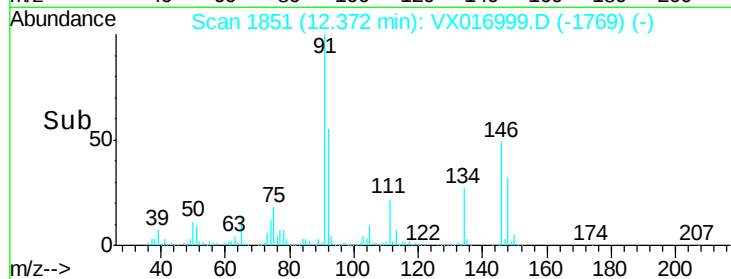
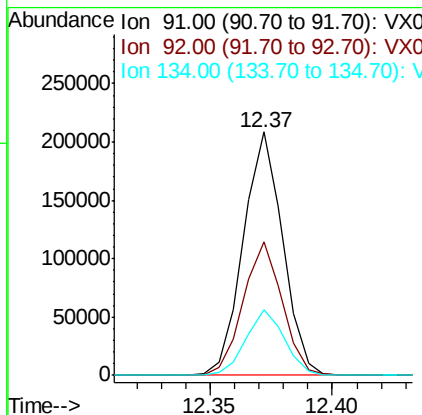
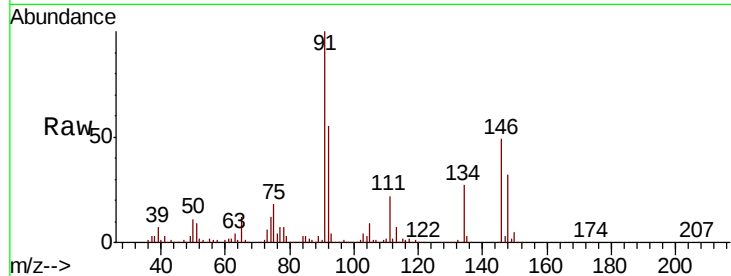




#85  
n-Butylbenzene  
Concen: 17.322 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

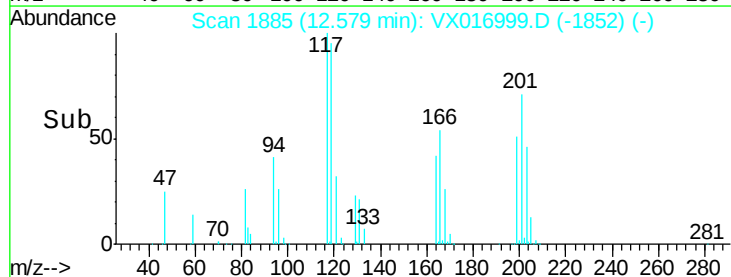
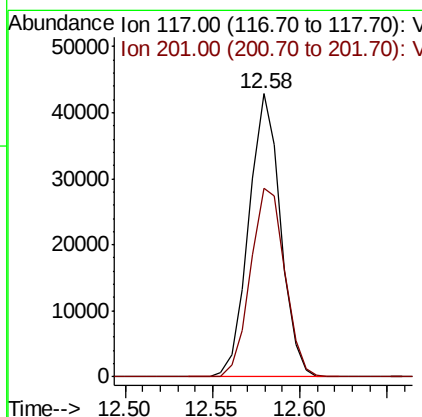
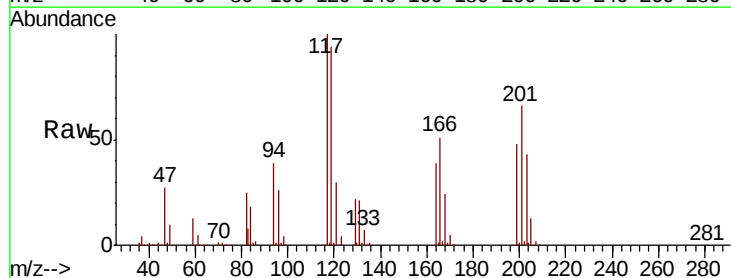
Instrument :  
MSVOA\_X  
ClientSampled :

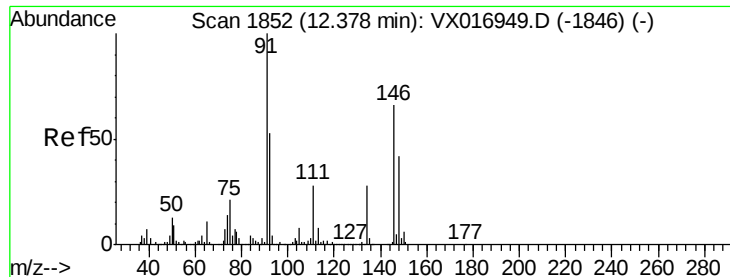
Tot Ion: 91 Resp: 233878  
Ion Ratio Lower Upper  
91 100  
92 54.2 0.0 105.8  
134 26.4 0.0 52.2



#86  
Hexachloroethane  
Concen: 18.933 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion: 117 Resp: 54047  
Ion Ratio Lower Upper  
117 100  
201 72.1 34.6 103.9





#87

1,2-Dichlorobenzene

Concen: 19.674 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

ClientSampleId :

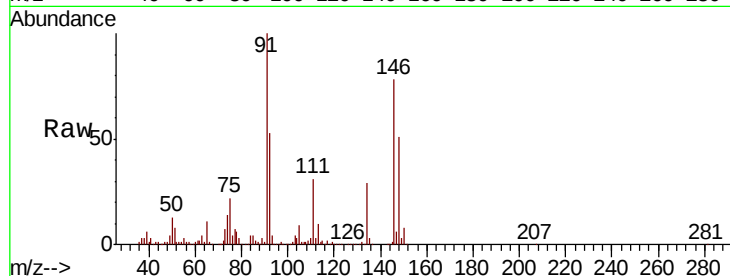
Tot Ion:146 Resp: 138201

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.1

148 65.3 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

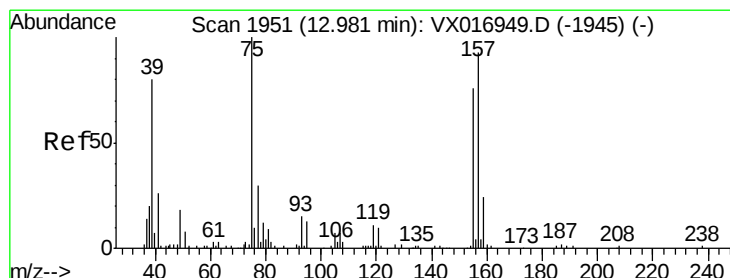
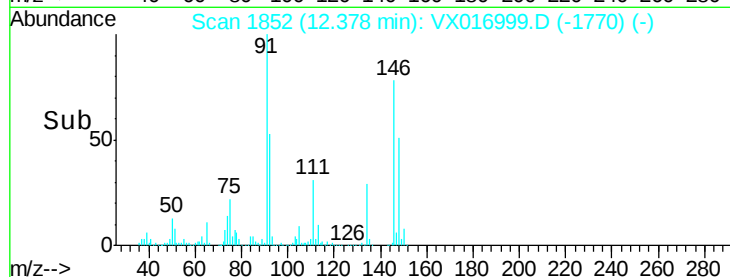
12.38

100000

50000

0

Time-->



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.457 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

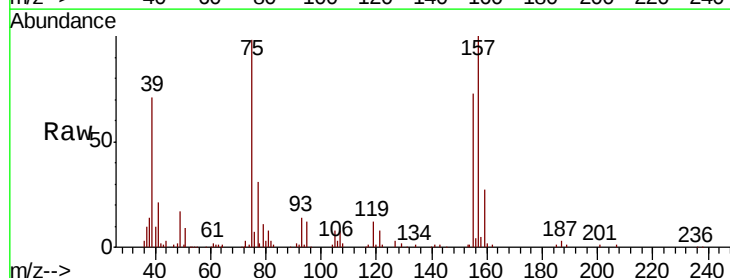
Tgt Ion: 75 Resp: 22559

Ion Ratio Lower Upper

75 100

155 82.2 65.0 97.6

157 103.3 83.0 124.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

25000

20000

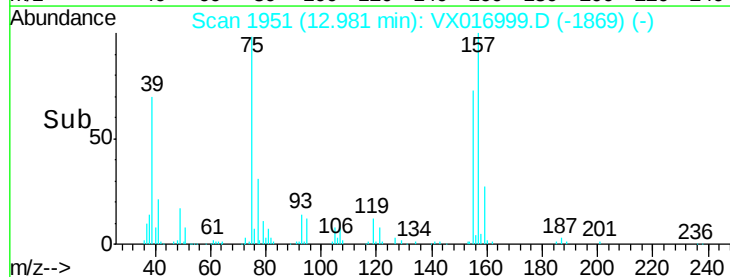
15000

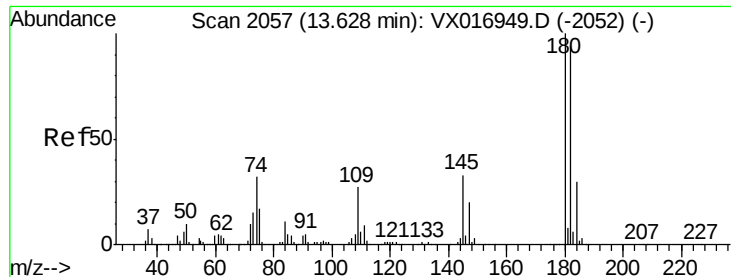
10000

5000

0

Time-->

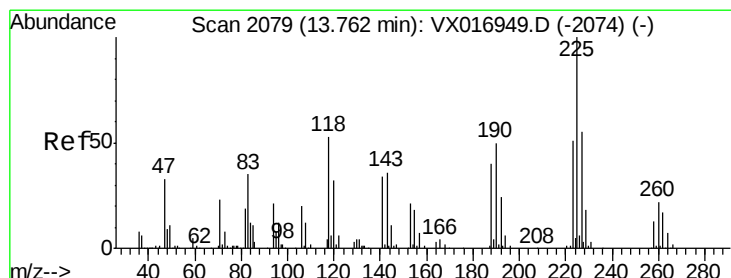
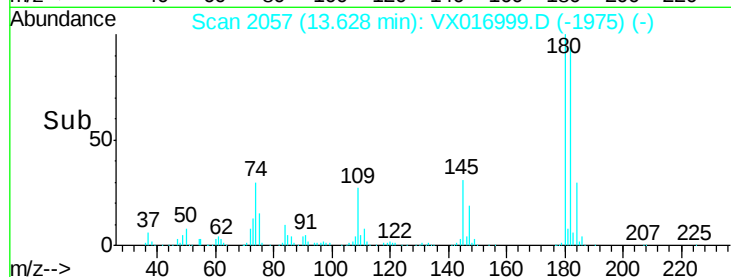
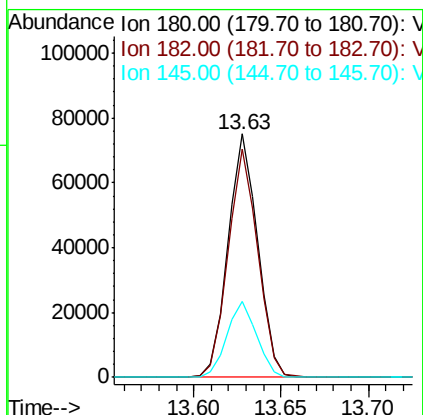
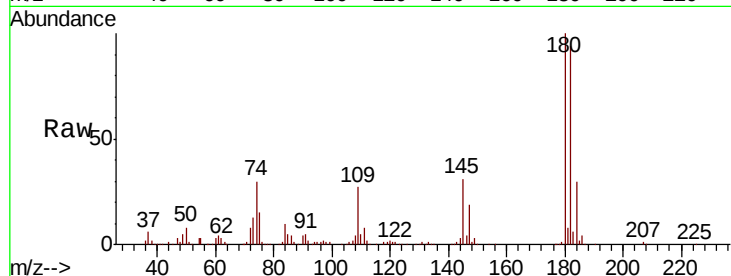




#89  
1,2,4-Trichlorobenzene  
Concen: 18.707 ug/l  
RT: 13.63 min Scan# 2057  
Delta R.T. 0.00 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

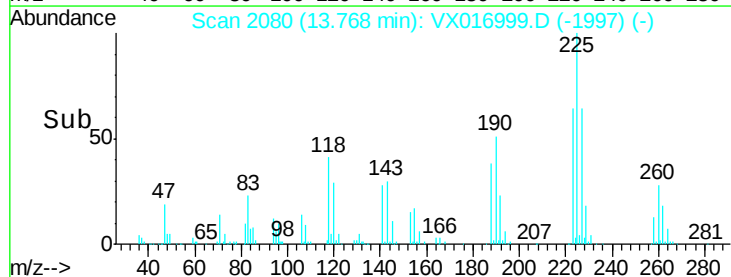
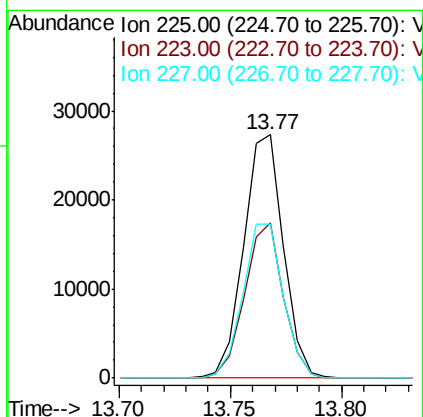
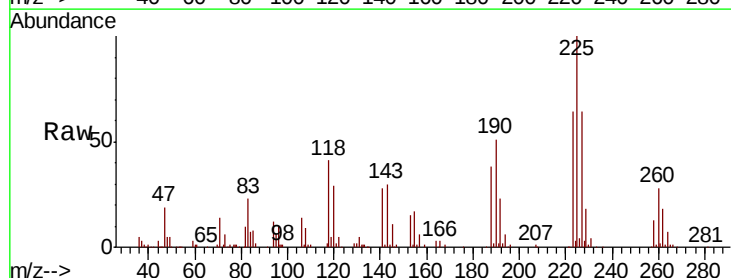
Instrument :  
MSVOA\_X  
ClientSampleId :

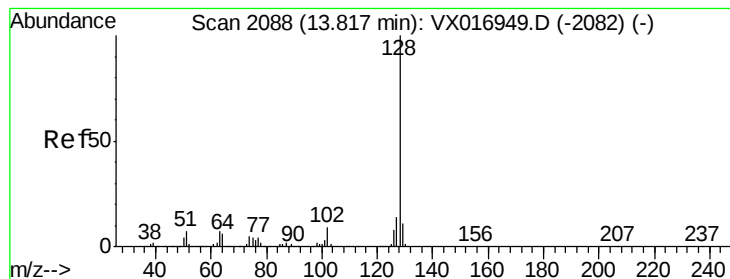
Tot Ion:180 Resp: 88658  
Ion Ratio Lower Upper  
180 100  
182 93.7 77.7 116.5  
145 31.5 26.2 39.2



#90  
Hexachlorobutadiene  
Concen: 18.918 ug/l  
RT: 13.77 min Scan# 2080  
Delta R.T. 0.01 min  
Lab File: VX016999.D  
Acq: 26 Jun 2020 23:18

Tgt Ion:225 Resp: 34106  
Ion Ratio Lower Upper  
225 100  
223 61.8 0.0 125.0  
227 64.4 0.0 124.0





#91

Naphthalene

Concen: 19.051 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

Instrument :

MSVOA\_X

ClientSampleId :

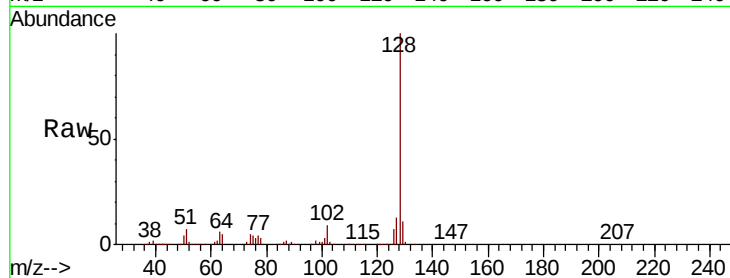
Tot Ion:128 Resp: 295936

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

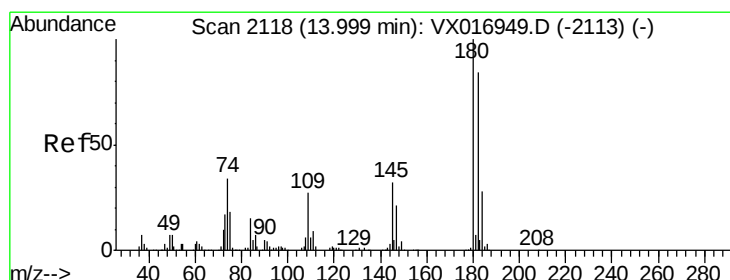
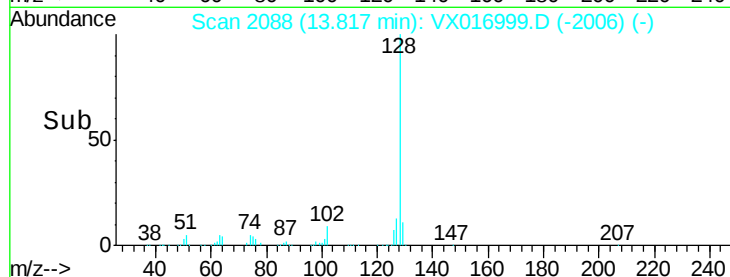
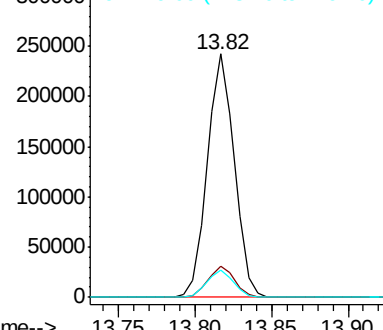
129 10.9 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.148 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX016999.D

Acq: 26 Jun 2020 23:18

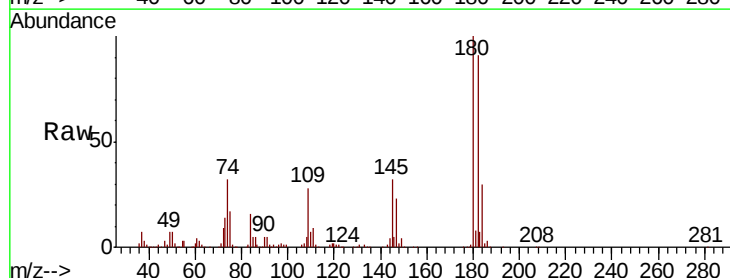
Tgt Ion:180 Resp: 88558

Ion Ratio Lower Upper

180 100

182 92.4 0.0 184.8

145 32.9 0.0 68.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

