

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX091619\  
 Data File : VX012424.D  
 Acq On : 16 Sep 2019 22:35  
 Operator : JC/SP  
 Sample : K4830-13MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

Quant Time: Sep 17 04:58:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 17 04:36:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 116598   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 189141   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 179201   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 107644   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 121210   | 50.73 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.46% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 88658    | 48.39 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.78%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 324971   | 49.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.96%  |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 135713   | 49.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.22%  |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 56607   | 50.282  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 46654   | 52.112  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 51281   | 52.448  | ug/l | 99     |
| 5) Bromomethane               | 1.62 | 94  | 16119   | 38.693  | ug/l | 96     |
| 6) Chloroethane               | 1.71 | 64  | 45186   | 69.754  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 96094   | 53.523  | ug/l | 99     |
| 8) Diethyl Ether              | 2.18 | 74  | 39788   | 50.877  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 65101   | 50.350  | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 38401   | 31.072  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.03 | 59  | 134608  | 223.291 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 54164   | 53.231  | ug/l | 96     |
| 13) Acrolein                  | 2.28 | 56  | 56121   | 216.047 | ug/l | 99     |
| 14) Allyl chloride            | 2.72 | 41  | 126485  | 53.904  | ug/l | 99     |
| 15) Acrylonitrile             | 3.13 | 53  | 259409  | 260.170 | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 243203  | 226.644 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.56 | 76  | 75825   | 50.063  | ug/l | 100    |
| 18) Methyl Acetate            | 2.76 | 43  | 116231  | 48.645  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 291862  | 53.074  | ug/l | # 85   |
| 20) Methylene Chloride        | 2.84 | 84  | 71712   | 48.983  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 56269   | 51.439  | ug/l | 94     |
| 22) Diisopropyl ether         | 3.85 | 45  | 292796  | 54.344  | ug/l | 92     |
| 23) Vinyl Acetate             | 3.80 | 43  | 1195416 | 268.796 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 141105  | 52.340  | ug/l | 99     |
| 25) 2-Butanone                | 4.66 | 43  | 384105  | 251.252 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 115993  | 45.106  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 82104   | 51.214  | ug/l | 98     |
| 28) Bromochloromethane        | 5.00 | 49  | 74770   | 54.157  | ug/l | 95     |
| 29) Tetrahydrofuran           | 5.11 | 42  | 233680  | 263.546 | ug/l | 98     |
| 30) Chloroform                | 5.20 | 83  | 154438  | 49.574  | ug/l | 97     |
| 31) Cyclohexane               | 5.57 | 56  | 170095  | 103.628 | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 134627  | 52.024  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 86905   | 49.722  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.82 | 43  | 134580  | 50.009  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 109571  | 51.369  | ug/l | 99     |

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 Operator : JC/SP  
 Sample : K4830-13MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

Quant Time: Sep 17 04:58:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 17 04:36:38 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 253710   | 151.120 | ug/l   | 96       |
| 40) Benzene                    | 6.14  | 78   | 280734   | 52.125  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 84966    | 55.299  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 128278   | 52.312  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.44  | 43   | 239600   | 51.892  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 71384    | 49.349  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 85210    | 51.769  | ug/l   | 94       |
| 46) Dibromomethane             | 7.65  | 93   | 55399    | 50.452  | ug/l   | 95       |
| 47) Bromodichloromethane       | 7.89  | 83   | 127398   | 51.969  | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.76  | 41   | 123292   | 53.725  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 43893    | 833.175 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 793072   | 265.079 | ug/l   | 98       |
| 52) Toluene                    | 8.78  | 92   | 183970   | 52.475  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 131170   | 51.596  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 134687   | 51.253  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 88026    | 47.784  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 160601   | 57.946  | ug/l   | 89       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 147785   | 50.504  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.49  | 43   | 589144   | 255.426 | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.58  | 129  | 97874    | 46.401  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 85396    | 50.394  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.33  | 164  | 54607    | 45.954  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 214174   | 51.189  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 91861    | 51.749  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 403624   | 56.527  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 305592   | 115.945 | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 145731   | 53.319  | ug/l   | 97       |
| 70) Styrene                    | 10.71 | 104  | 253904   | 53.539  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 68738    | 44.523  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 973996   | 130.239 | ug/l   | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 219637   | 55.404  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 155094   | 51.718  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 177869   | 63.921  | ug/l   | 87       |
| 77) Bromobenzene               | 11.25 | 156  | 96794    | 50.267  | ug/l   | 97       |
| 78) n-propylbenzene            | 11.35 | 91   | 1091563  | 129.150 | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 291115   | 53.654  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 340915   | 52.350  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 47582    | 48.271  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 327936   | 51.829  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 380206   | 55.043  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 1853682  | 280.527 | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 517367   | 67.748  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 406852   | 58.151  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 176690   | 49.017  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 179523   | 49.242  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 382978   | 61.985  | ug/l   | 95       |
| 90) Hexachloroethane           | 12.59 | 117  | 87339    | 64.572  | ug/l   | 81       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 184430   | 49.982  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 45495    | 57.433  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene     | 13.64 | 180  | 127481   | 51.633  | ug/l   | 93       |

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Operator : JC/SP  
Sample : K4830-13MS  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

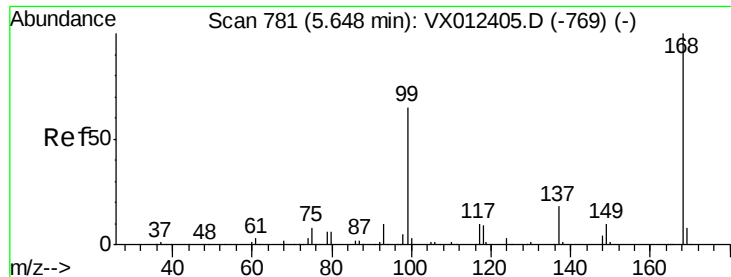
Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

Quant Time: Sep 17 04:58:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091619W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 17 04:36:38 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 57389    | 48.269 | ug/l  | 96       |
| 95) Naphthalene            | 13.83 | 128  | 815198   | 89.155 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 128737   | 52.278 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

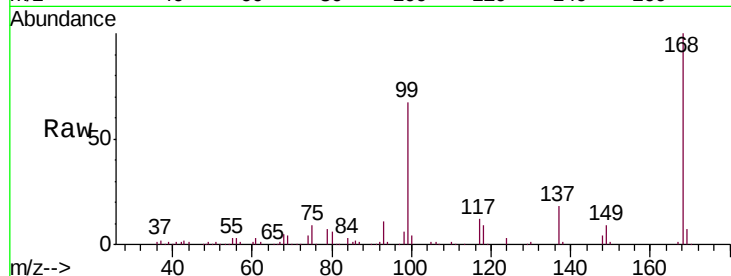
S13-0282MSD

Tgt Ion:168 Resp: 116598

Ion Ratio Lower Upper

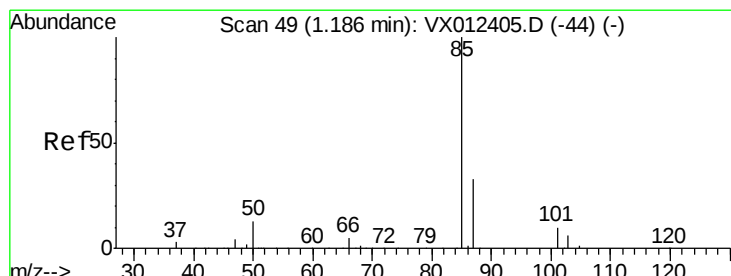
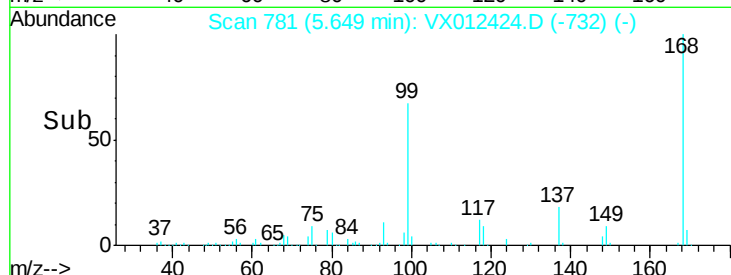
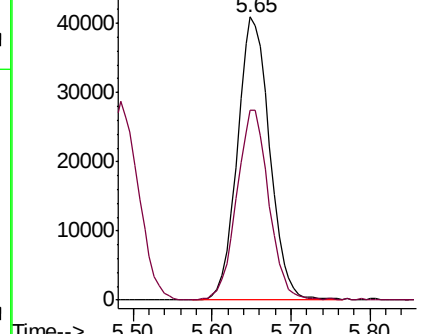
168 100

99 67.0 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 50.282 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012424.D

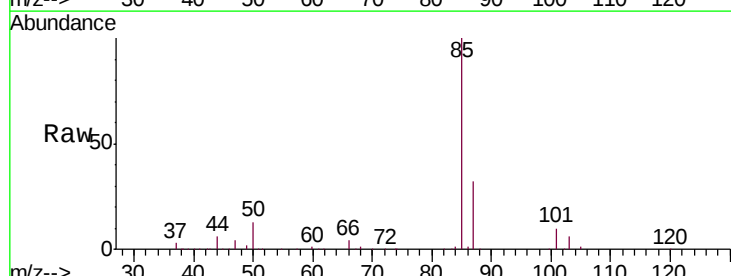
Acq: 16 Sep 2019 22:35

Tgt Ion: 85 Resp: 56607

Ion Ratio Lower Upper

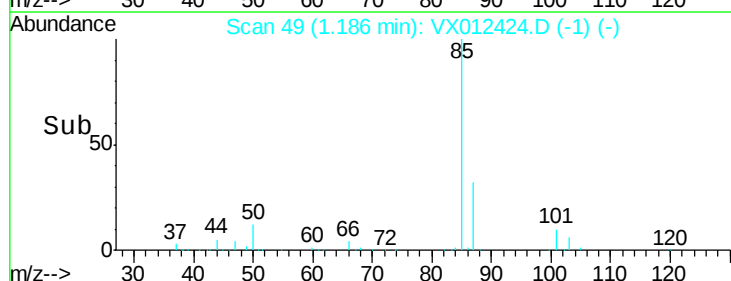
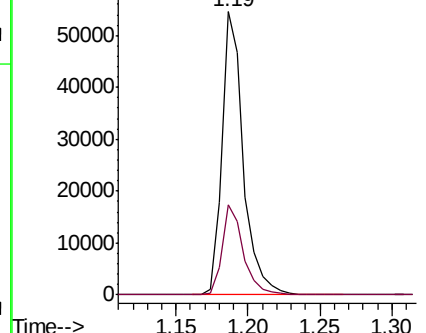
85 100

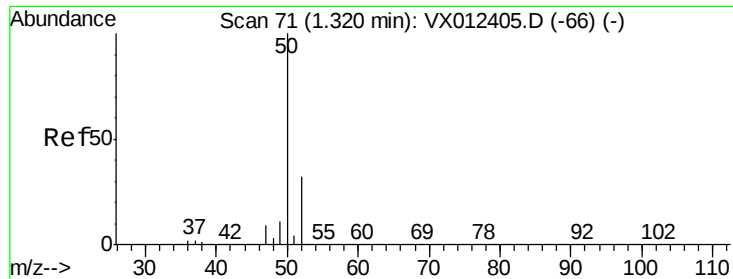
87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 52.112 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

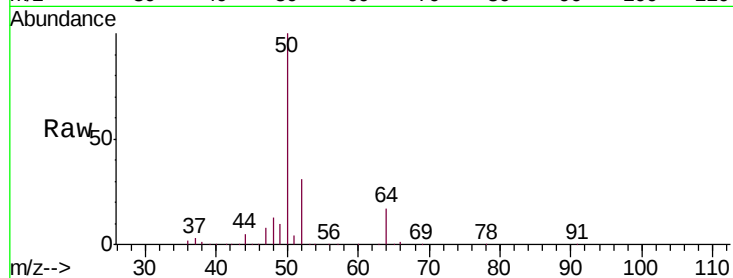
S13-0282MSD

Tgt Ion: 50 Resp: 46654

Ion Ratio Lower Upper

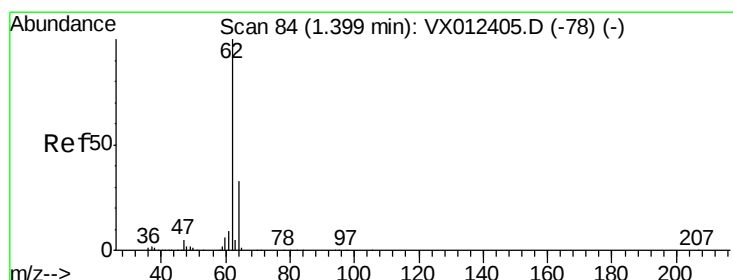
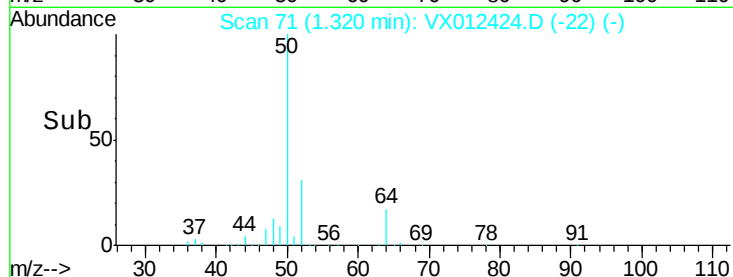
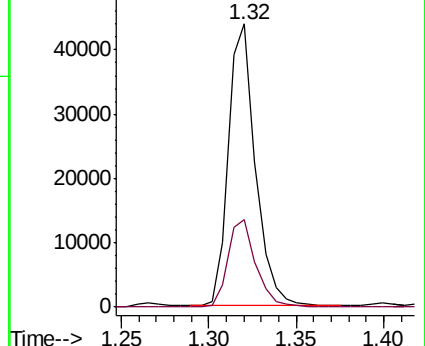
50 100

52 31.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.448 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012424.D

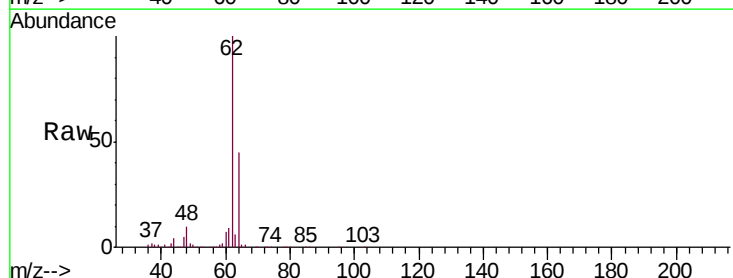
Acq: 16 Sep 2019 22:35

Tgt Ion: 62 Resp: 51281

Ion Ratio Lower Upper

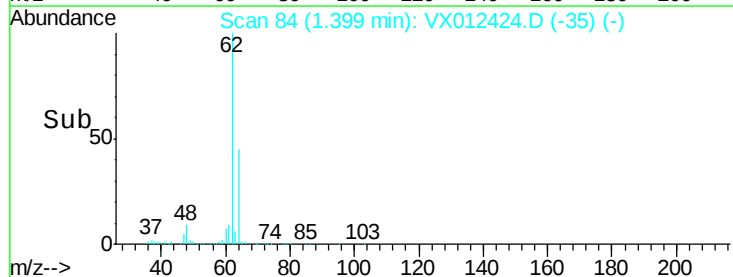
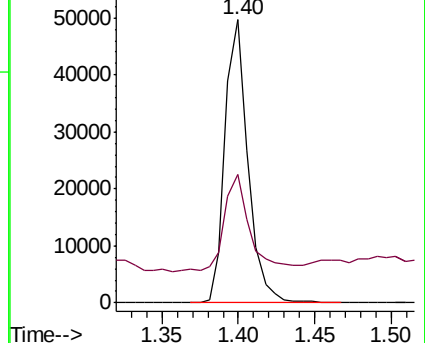
62 100

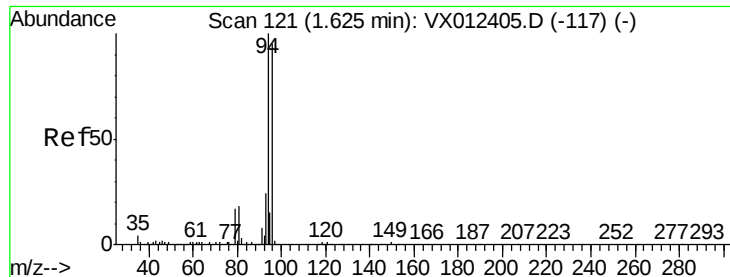
64 33.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 38.693 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

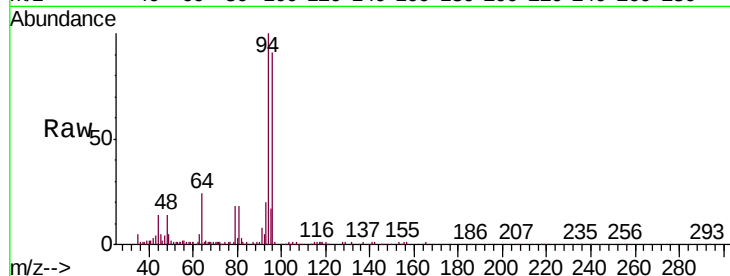
S13-0282MSD

Tgt Ion: 94 Resp: 16119

Ion Ratio Lower Upper

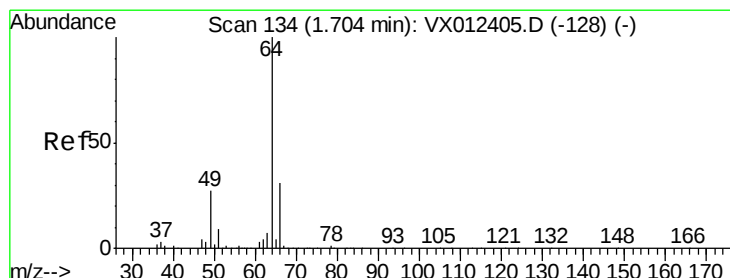
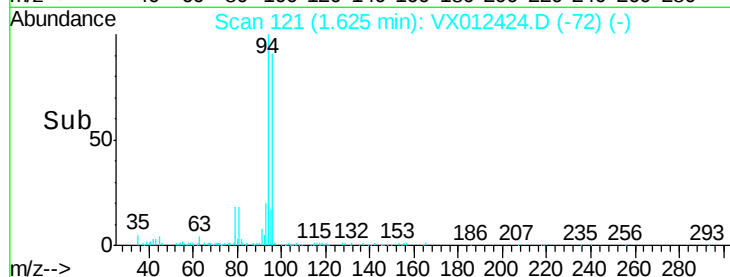
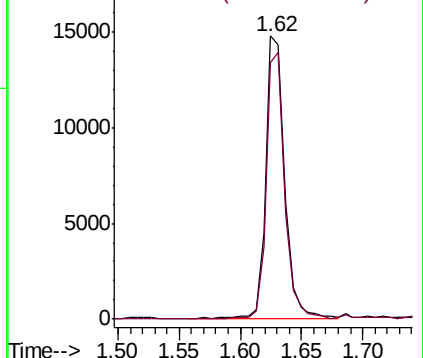
94 100

96 90.7 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 69.754 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX012424.D

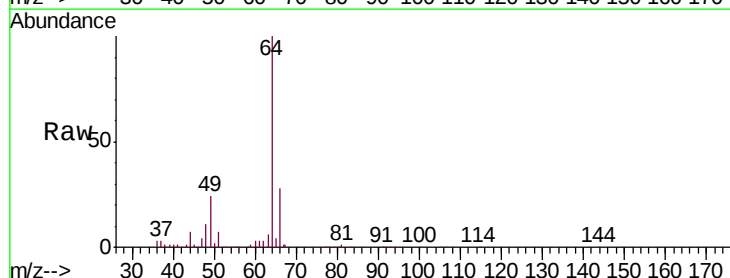
Acq: 16 Sep 2019 22:35

Tgt Ion: 64 Resp: 45186

Ion Ratio Lower Upper

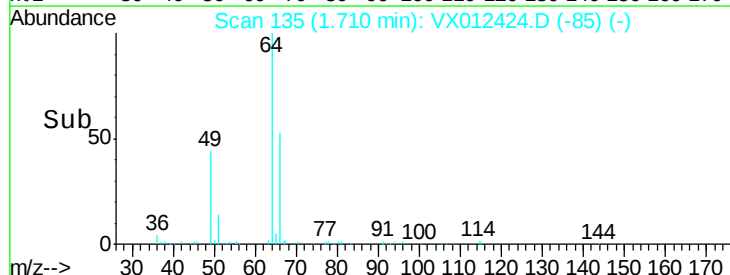
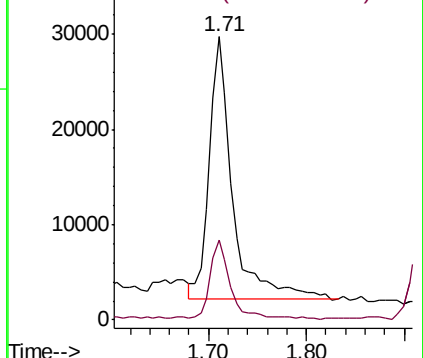
64 100

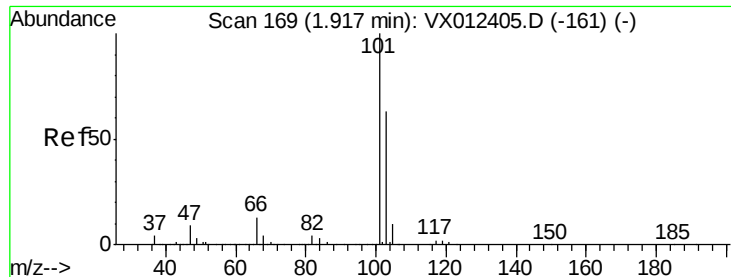
66 29.7 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



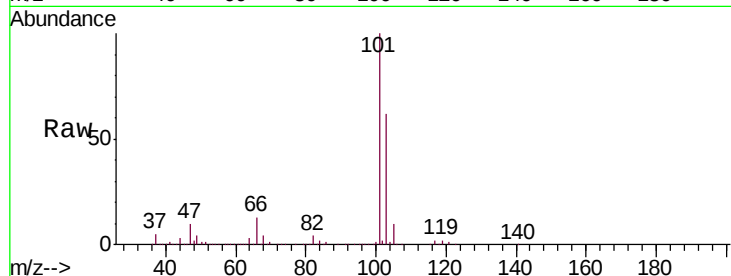


#7

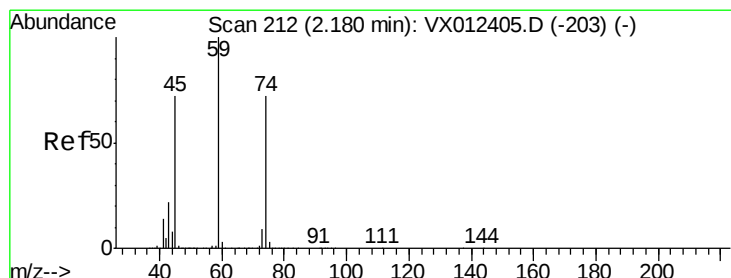
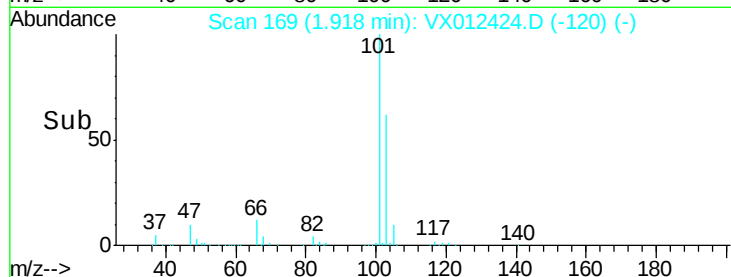
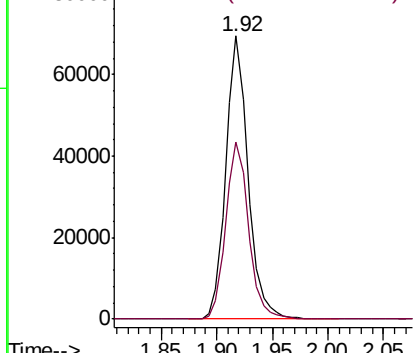
Trichlorofluoromethane  
Concen: 53.523 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

Tgt Ion:101 Resp: 96094  
Ion Ratio Lower Upper  
101 100  
103 62.4 50.5 75.7



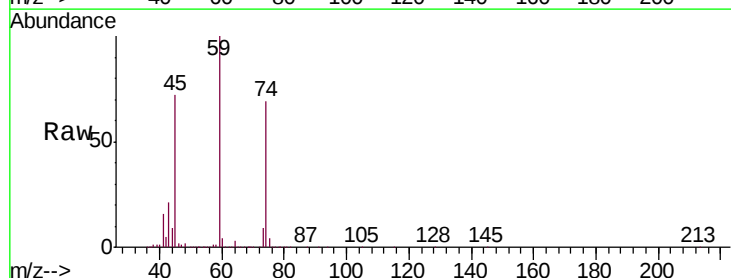
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



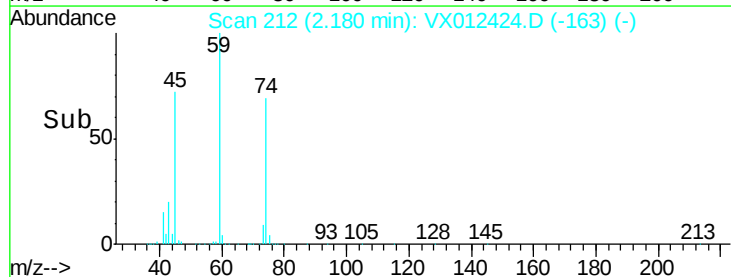
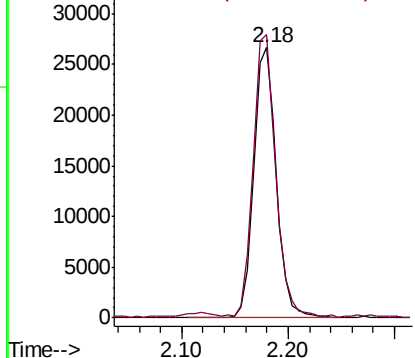
#8

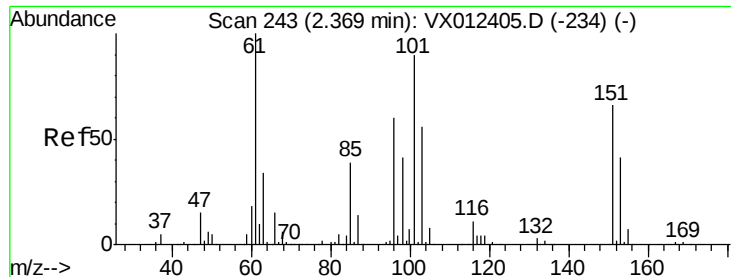
Diethyl Ether  
Concen: 50.877 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 74 Resp: 39788  
Ion Ratio Lower Upper  
74 100  
45 104.4 50.6 151.9



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: 50.350 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

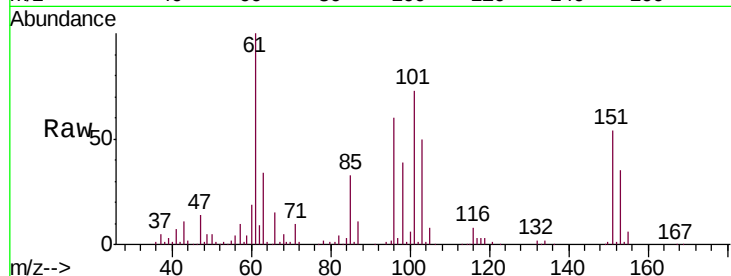
Tgt Ion:101 Resp: 65101

Ion Ratio Lower Upper

101 100

85 46.1 36.3 54.5

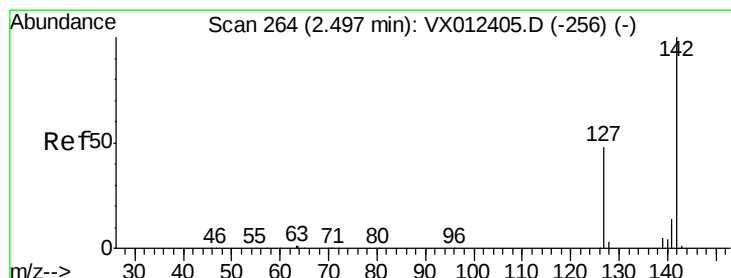
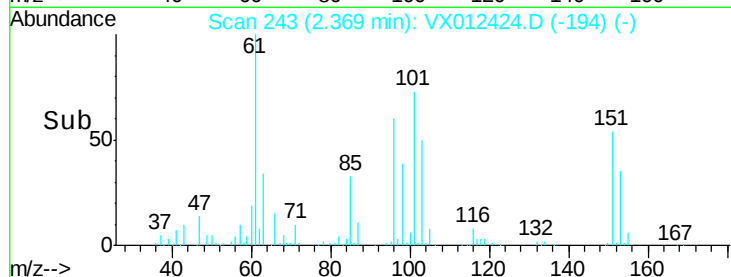
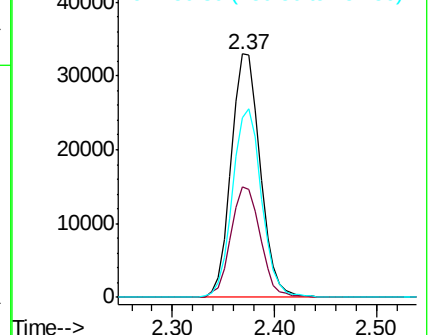
151 77.3 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 31.072 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

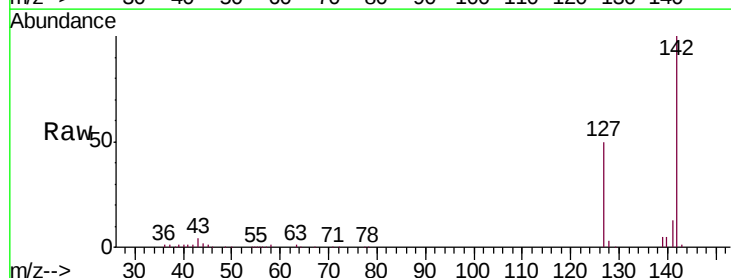
Tgt Ion:142 Resp: 38401

Ion Ratio Lower Upper

142 100

127 49.6 39.6 59.4

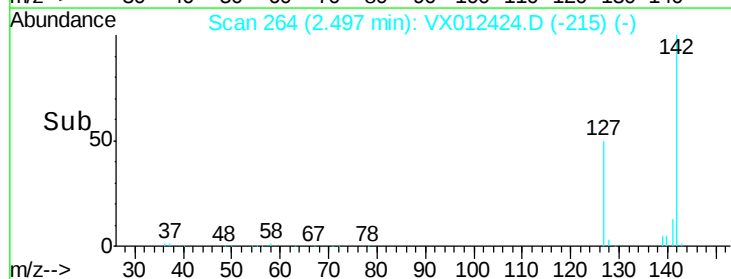
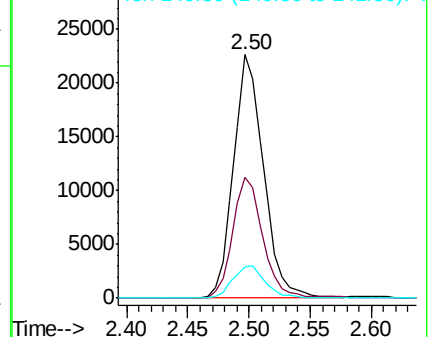
141 14.3 11.6 17.4

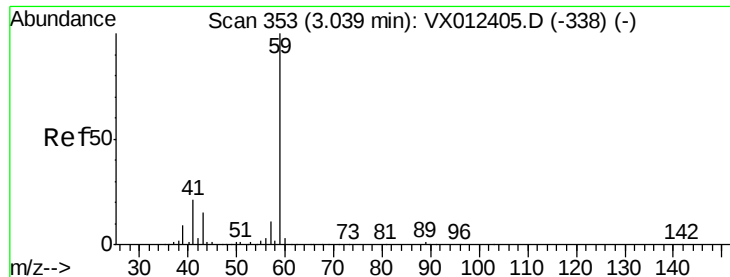


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

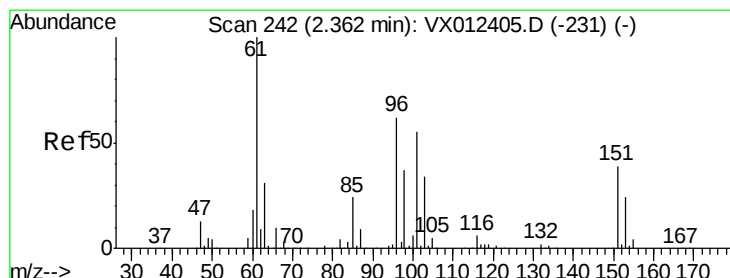
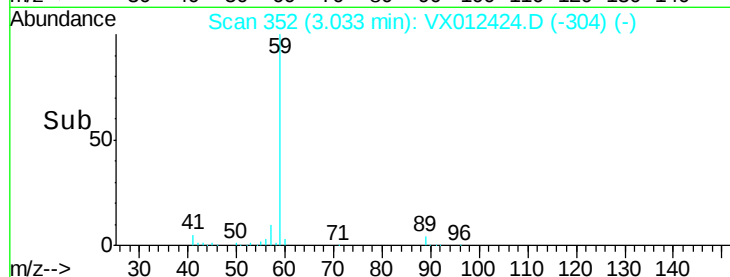
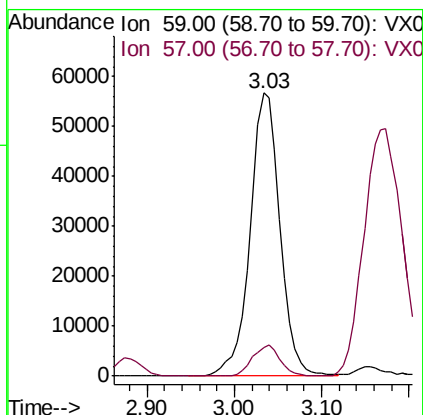
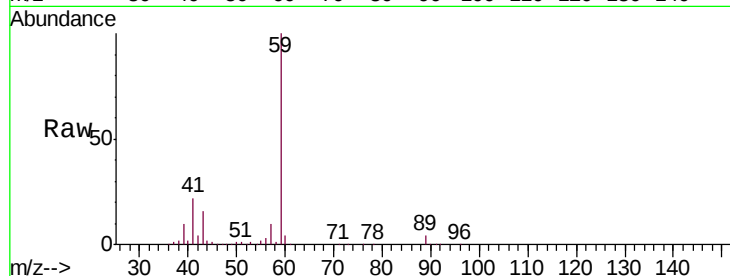




#11  
Tert butyl alcohol  
Concen: 223.291 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. -0.01 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

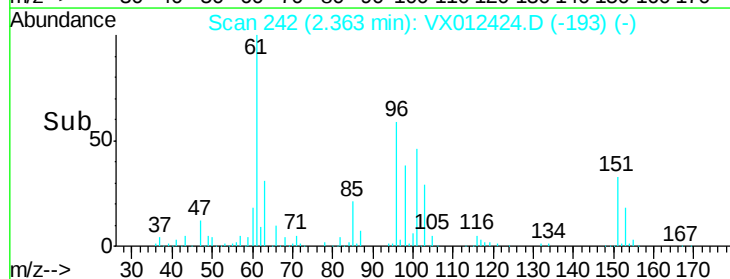
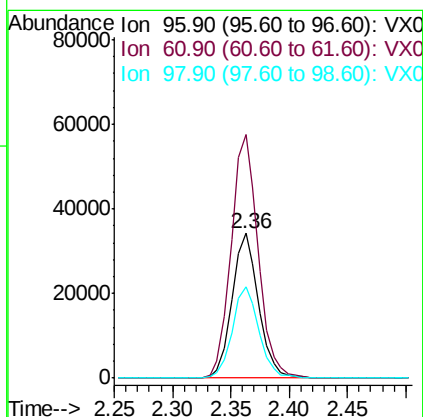
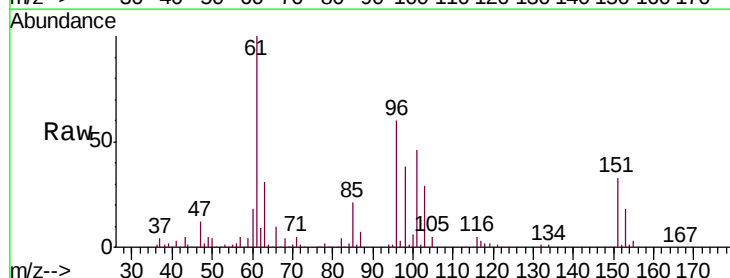
Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

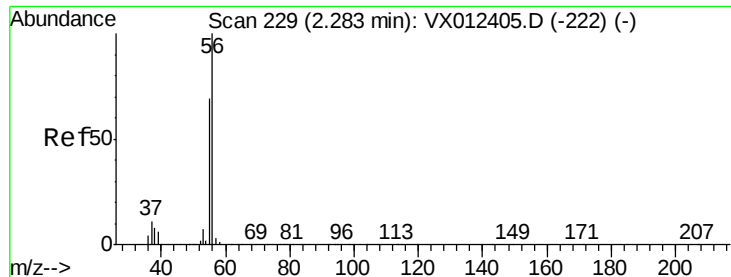
Tgt Ion: 59 Resp: 134608  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 53.231 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 96 Resp: 54164  
Ion Ratio Lower Upper  
96 100  
61 168.0 129.8 194.6  
98 63.1 48.5 72.7





#13

Acrolein

Concen: 216.047 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

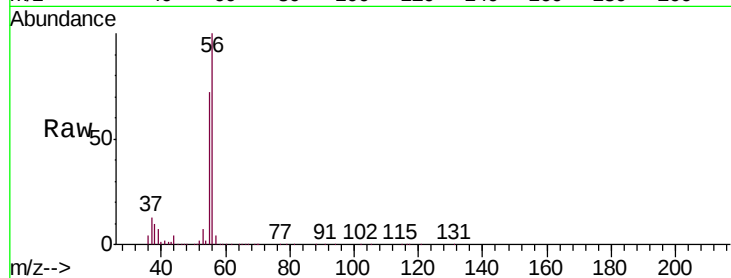
S13-0282MSD

Tgt Ion: 56 Resp: 56121

Ion Ratio Lower Upper

56 100

55 71.0 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

40000

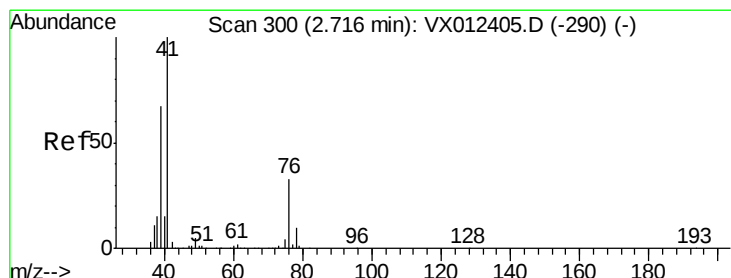
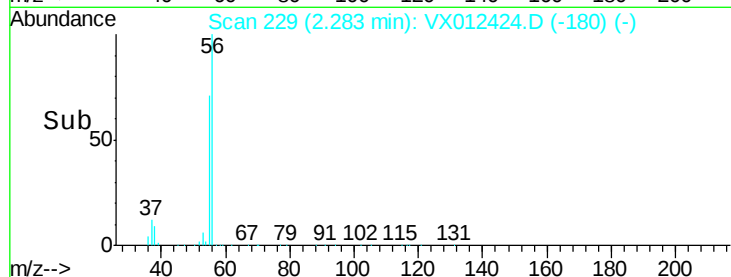
30000

20000

10000

0

Time--> 2.15 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 53.904 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

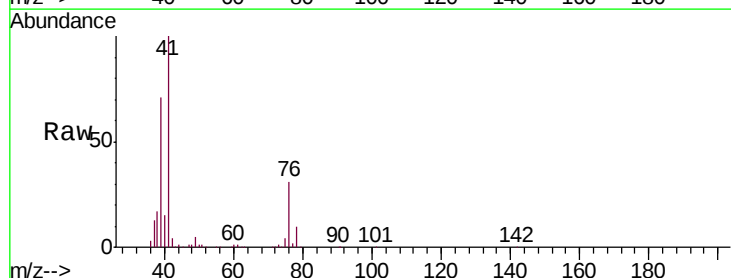
Tgt Ion: 41 Resp: 126485

Ion Ratio Lower Upper

41 100

39 65.1 51.1 76.7

76 28.7 23.4 35.2



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

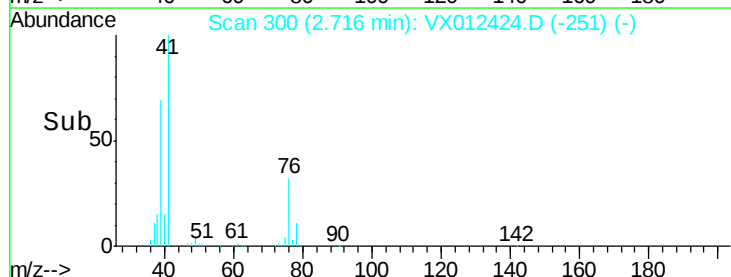
60000

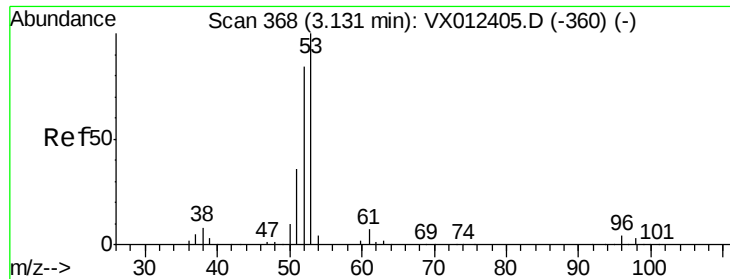
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 260.170 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

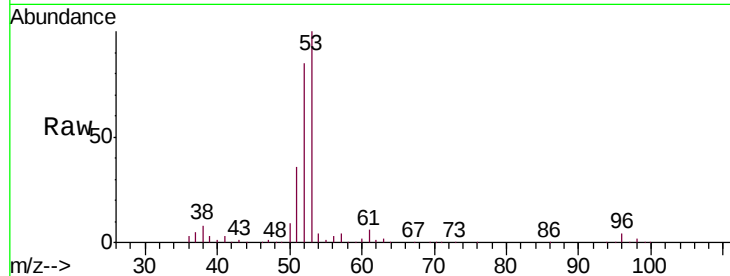
Tgt Ion: 53 Resp: 259409

Ion Ratio Lower Upper

53 100

52 83.4 67.4 101.2

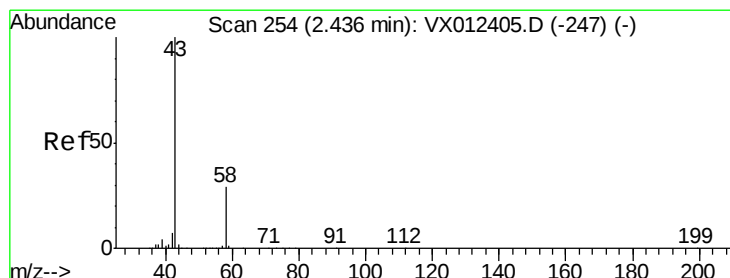
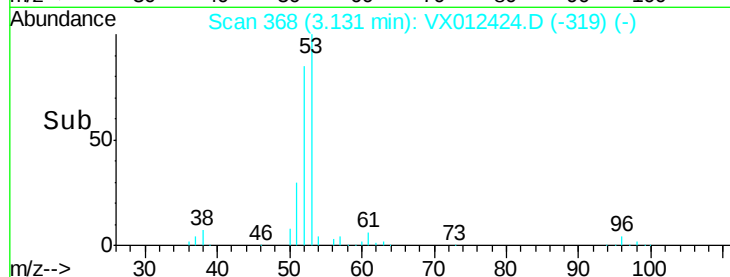
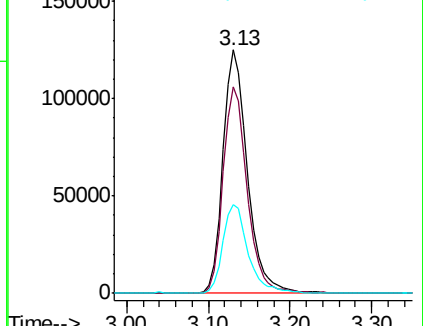
51 37.5 29.8 44.6



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



#16

Acetone

Concen: 226.644 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012424.D

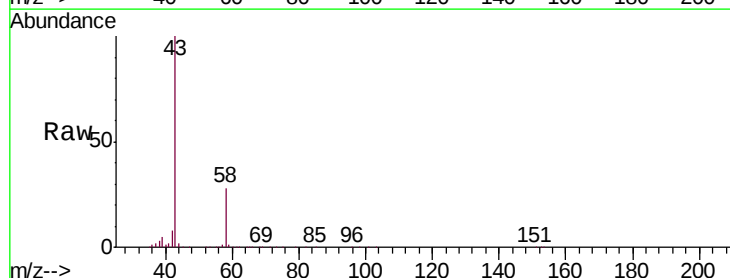
Acq: 16 Sep 2019 22:35

Tgt Ion: 43 Resp: 243203

Ion Ratio Lower Upper

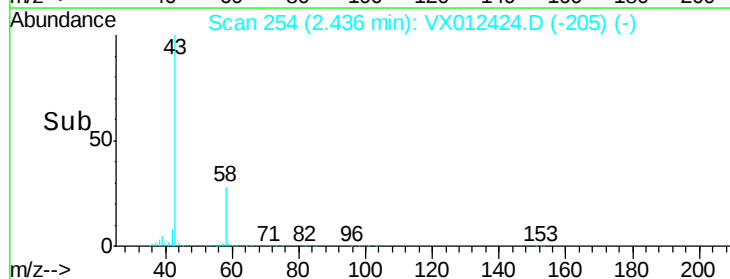
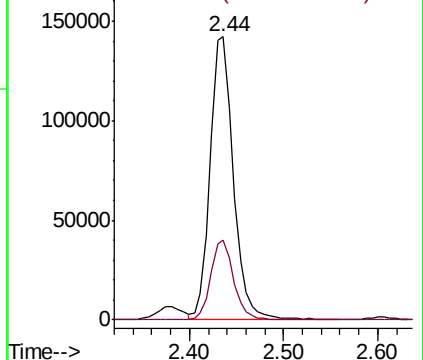
43 100

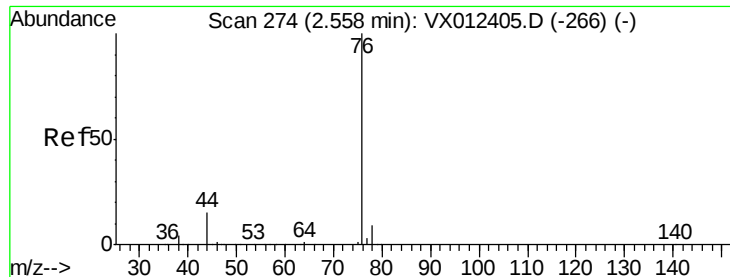
58 28.4 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 50.063 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

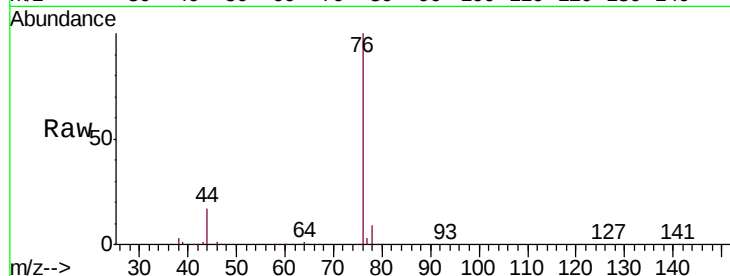
S13-0282MSD

Tgt Ion: 76 Resp: 75825

Ion Ratio Lower Upper

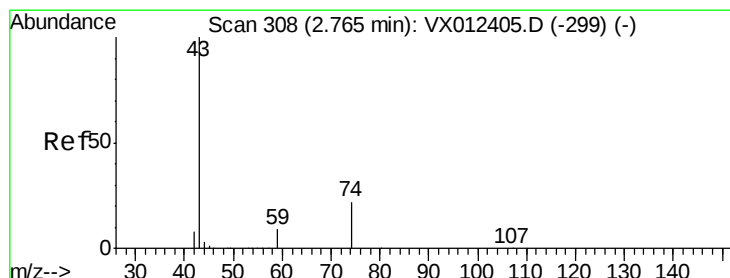
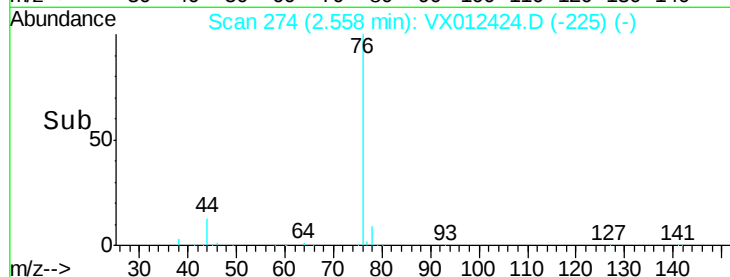
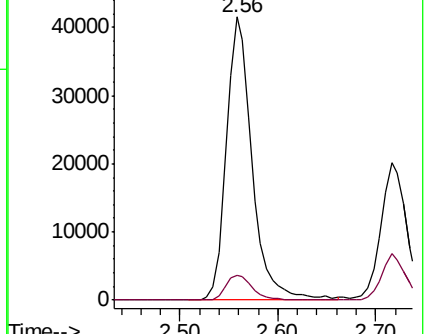
76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.645 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012424.D

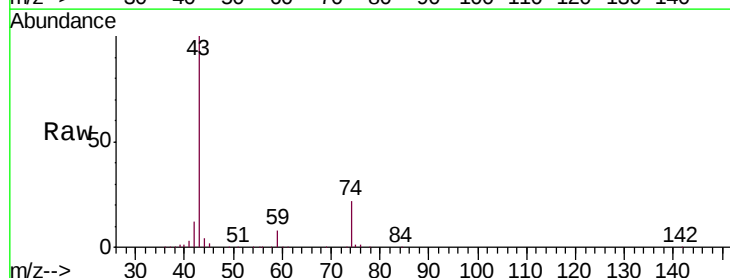
Acq: 16 Sep 2019 22:35

Tgt Ion: 43 Resp: 116231

Ion Ratio Lower Upper

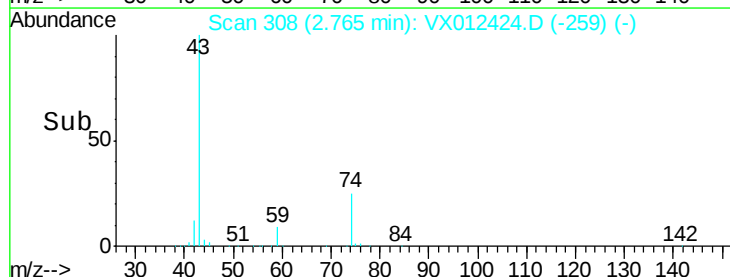
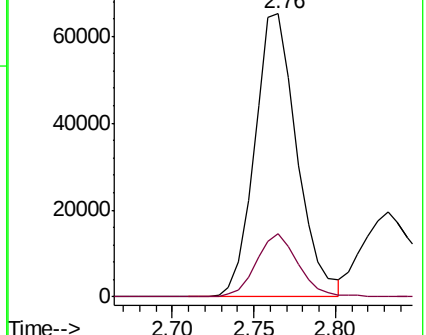
43 100

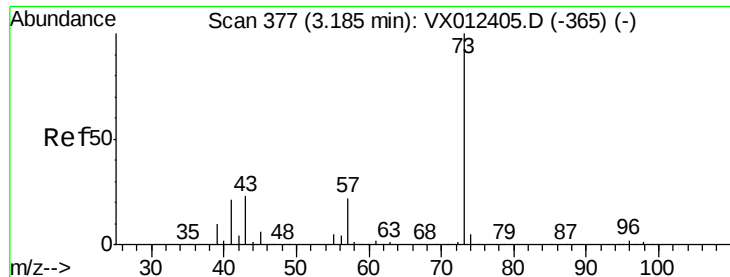
74 22.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

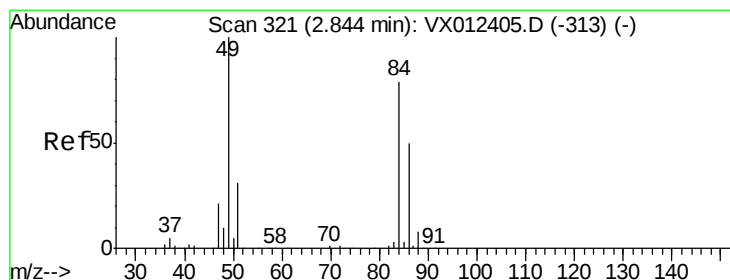
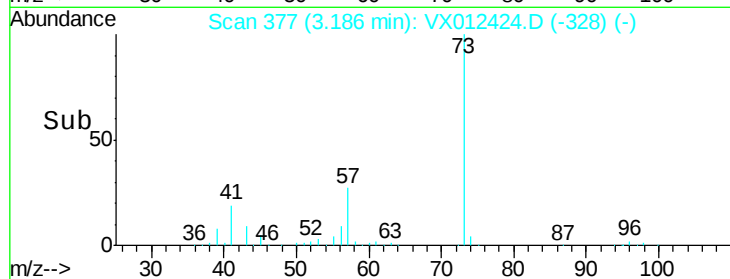
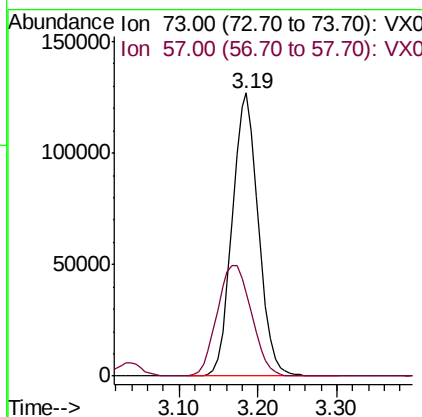
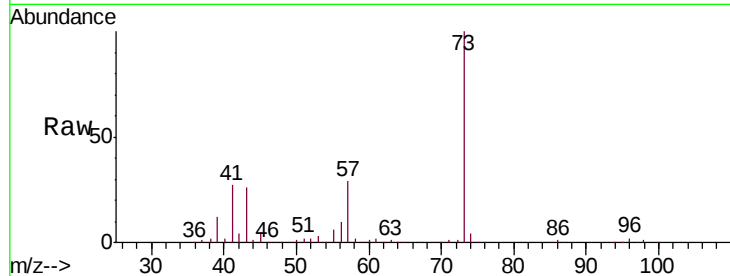




#19  
Methyl tert-butyl Ether  
Concen: 53.074 ug/l  
RT: 3.19 min Scan# 377  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

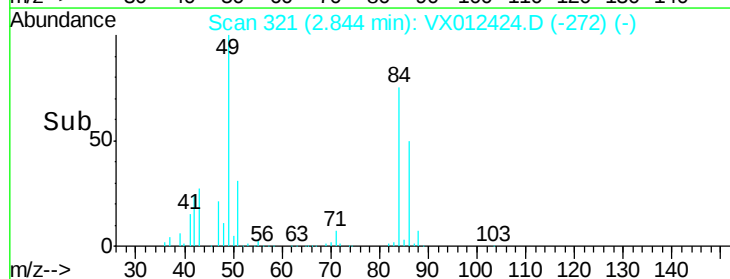
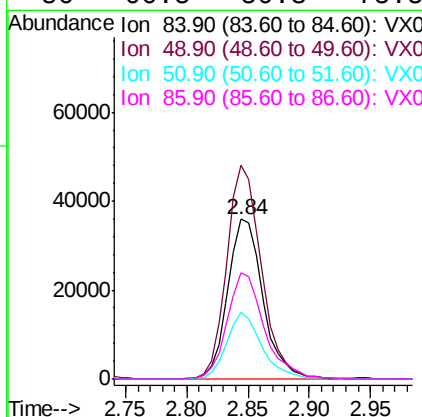
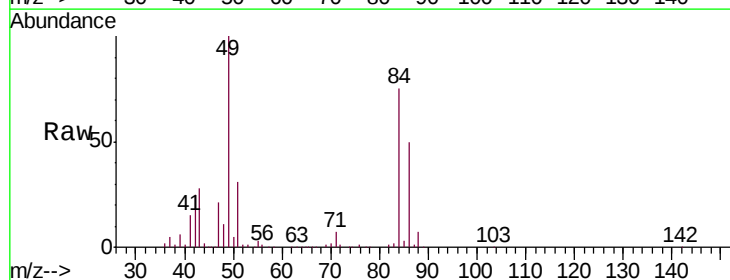
Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

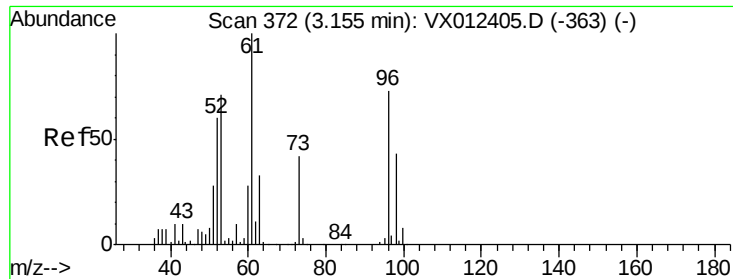
Tgt Ion: 73 Resp: 291862  
Ion Ratio Lower Upper  
73 100  
57 29.3 17.8 26.6#



#20  
Methylene Chloride  
Concen: 48.983 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 84 Resp: 71712  
Ion Ratio Lower Upper  
84 100  
49 133.3 101.7 152.5  
51 41.5 31.2 46.8  
86 66.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 51.439 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

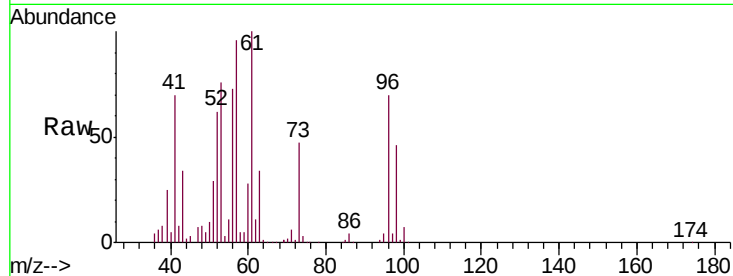
Tgt Ion: 96 Resp: 56269

Ion Ratio Lower Upper

96 100

61 143.1 109.7 164.5

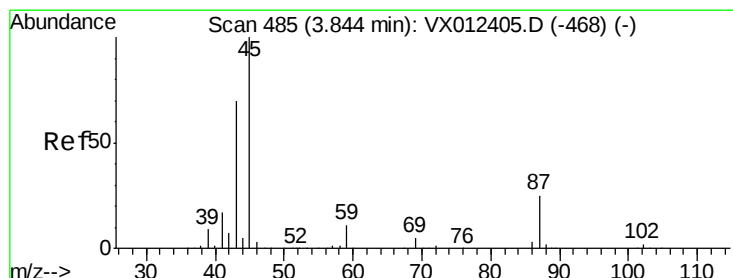
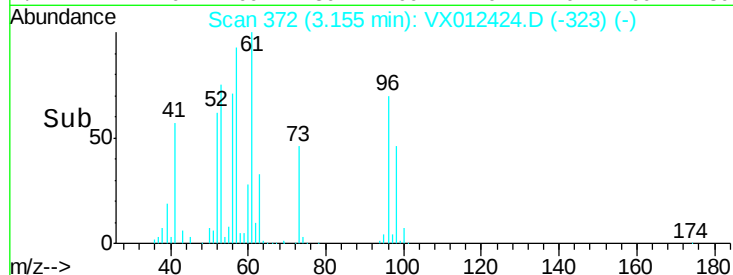
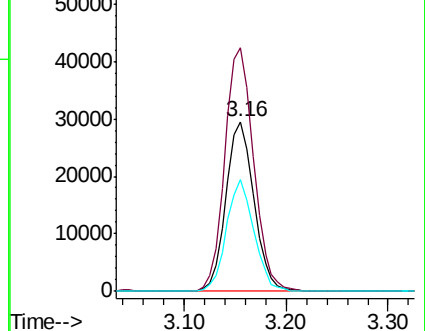
98 65.6 47.0 70.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.344 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion: 45 Resp: 292796

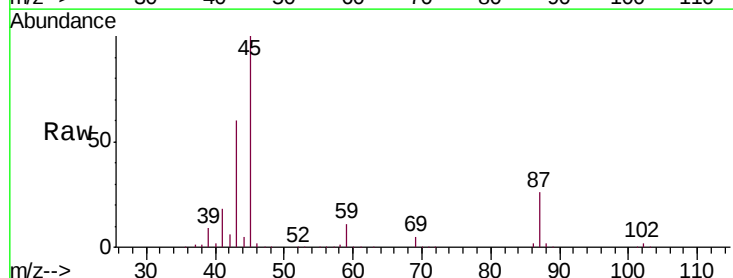
Ion Ratio Lower Upper

45 100

43 60.3 55.8 83.8

87 26.3 20.0 30.0

59 10.9 8.4 12.6

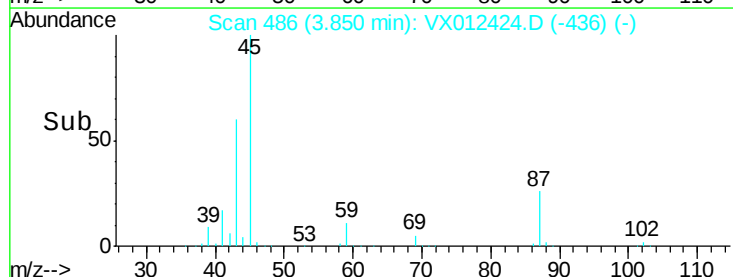
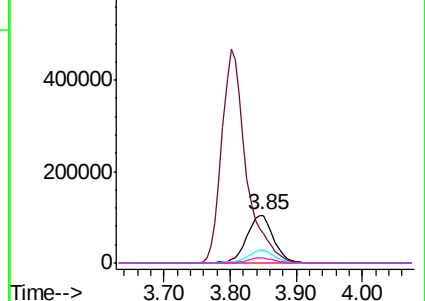


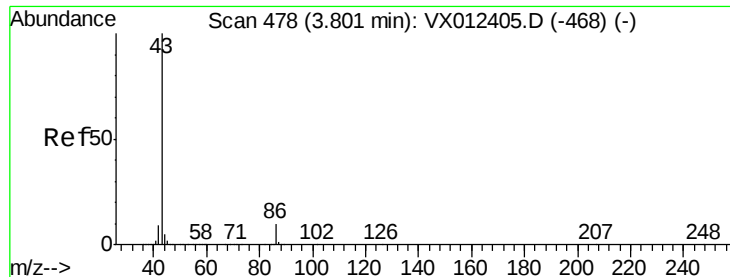
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 268.796 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

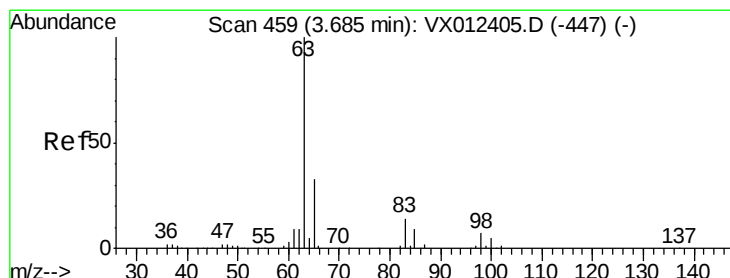
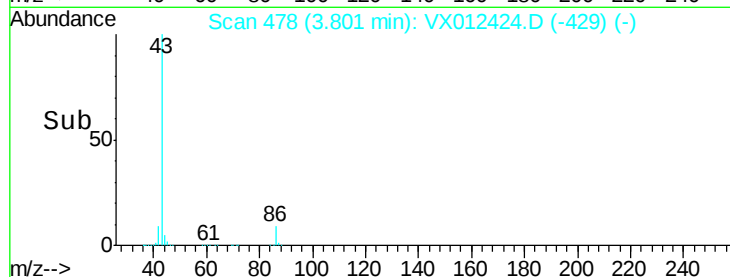
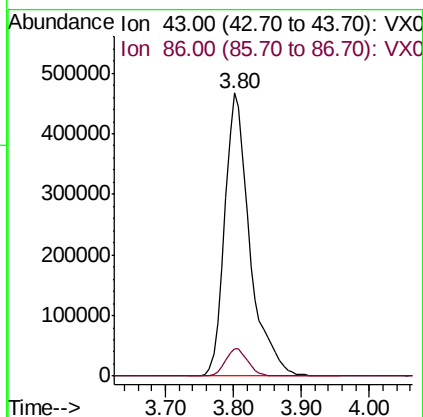
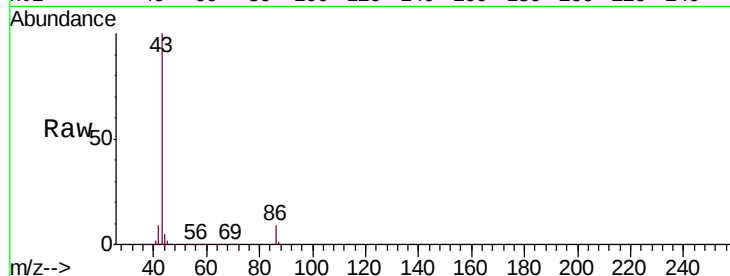
S13-0282MSD

Tgt Ion: 43 Resp: 1195416

Ion Ratio Lower Upper

43 100

86 9.5 8.3 12.5



#24

1,1-Dichloroethane

Concen: 52.340 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

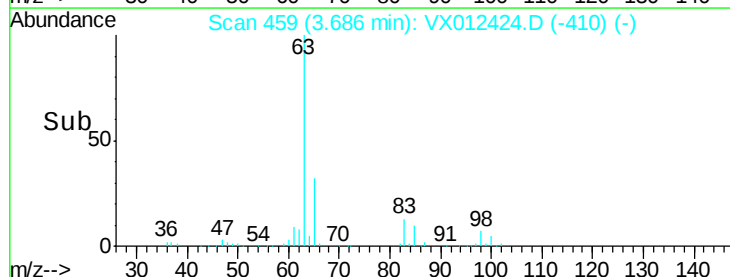
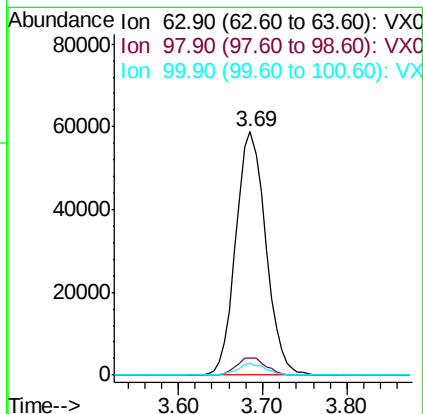
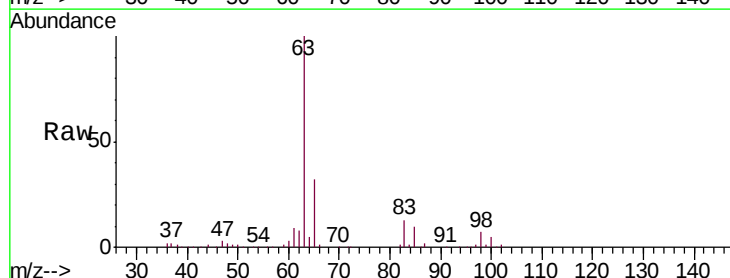
Tgt Ion: 63 Resp: 141105

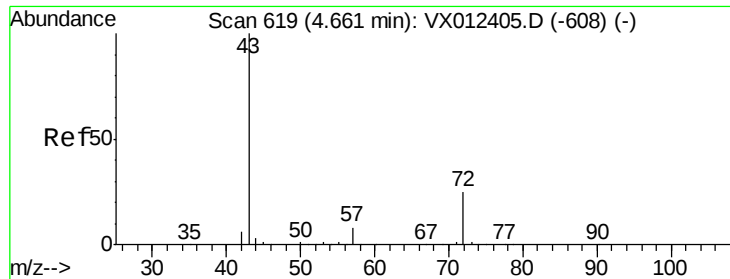
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 251.252 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

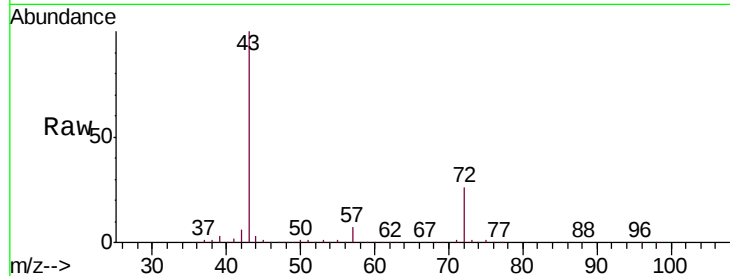
S13-0282MSD

Tgt Ion: 43 Resp: 384105

Ion Ratio Lower Upper

43 100

72 25.5 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

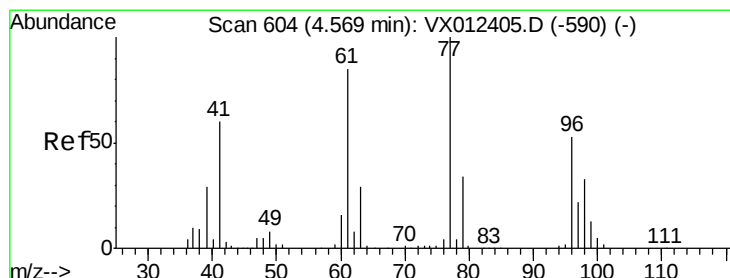
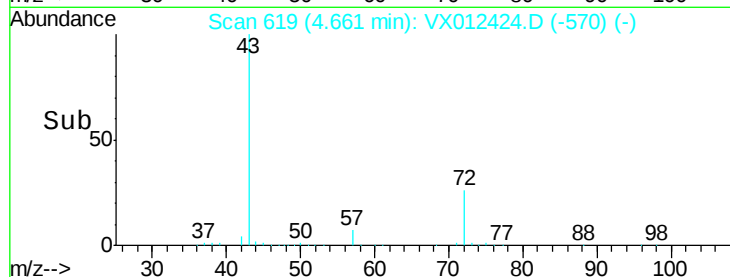
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.106 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012424.D

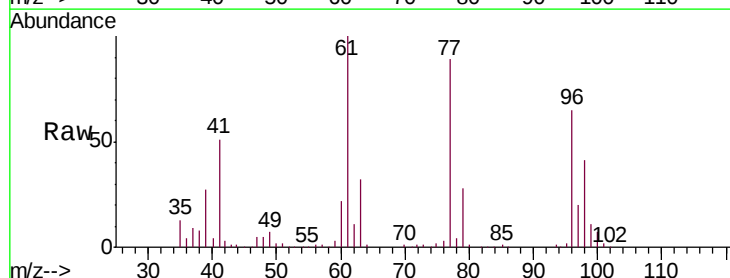
Acq: 16 Sep 2019 22:35

Tgt Ion: 77 Resp: 115993

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

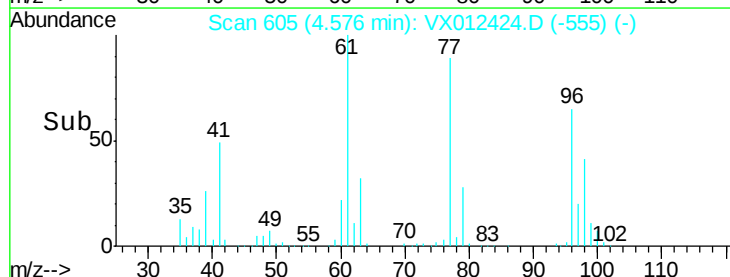
20000

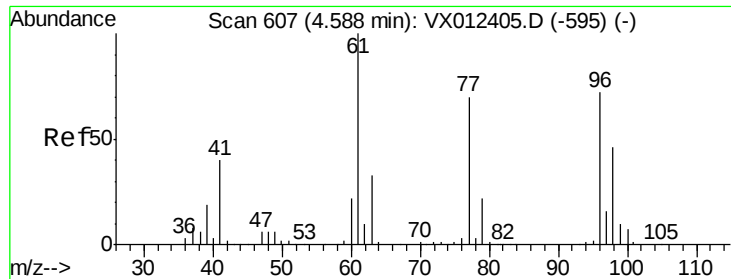
10000

0

4.40 4.50 4.60 4.70

Time-->



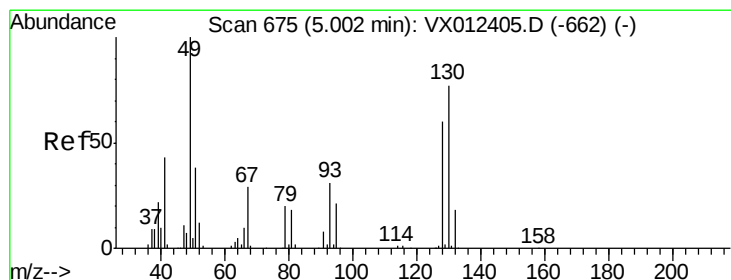
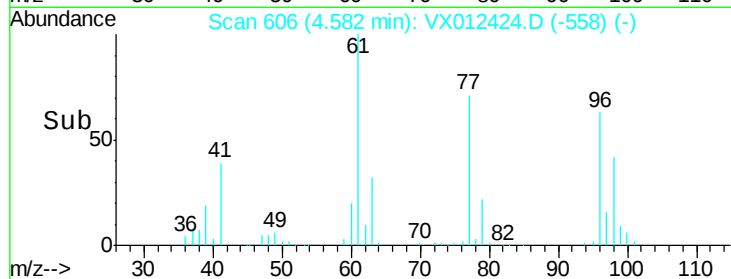
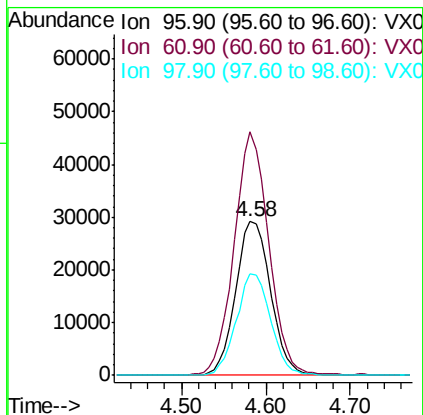
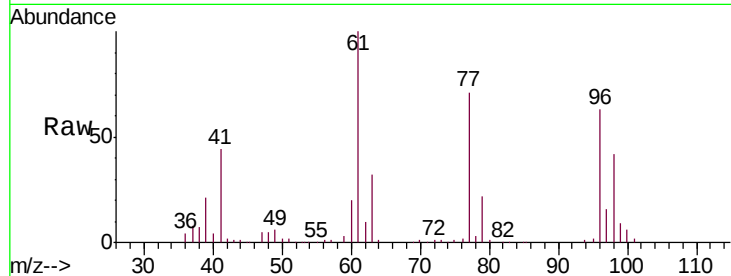


#27

cis-1,2-Dichloroethene  
Concen: 51.214 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

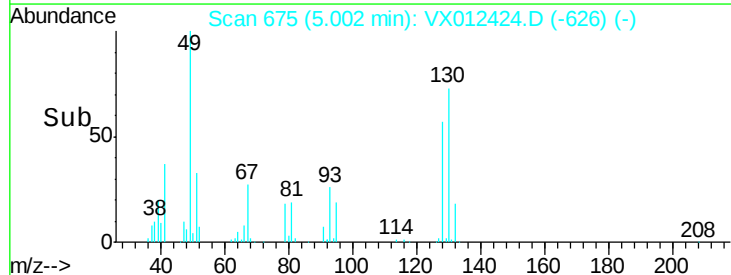
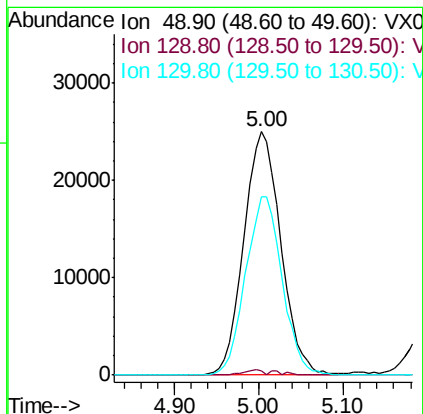
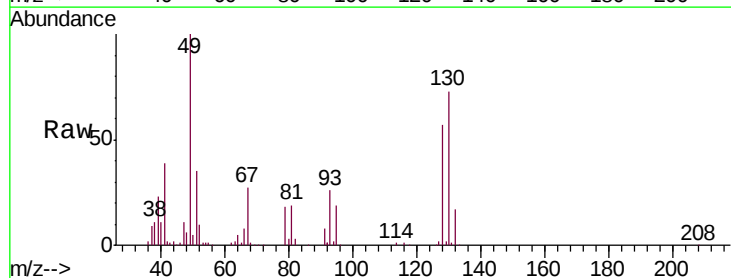
Tgt Ion: 96 Resp: 82104  
Ion Ratio Lower Upper  
96 100  
61 156.6 0.0 307.6  
98 65.1 0.0 129.8

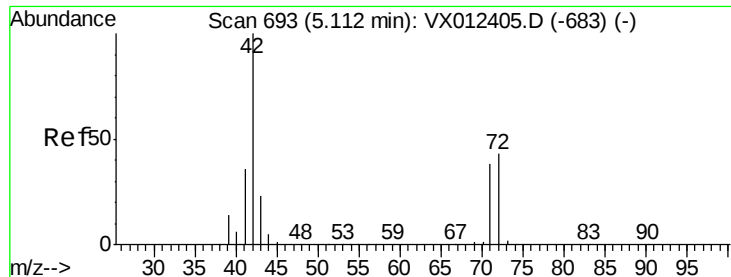


#28

Bromochloromethane  
Concen: 54.157 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 49 Resp: 74770  
Ion Ratio Lower Upper  
49 100  
129 1.1 0.0 4.6  
130 72.4 61.3 91.9

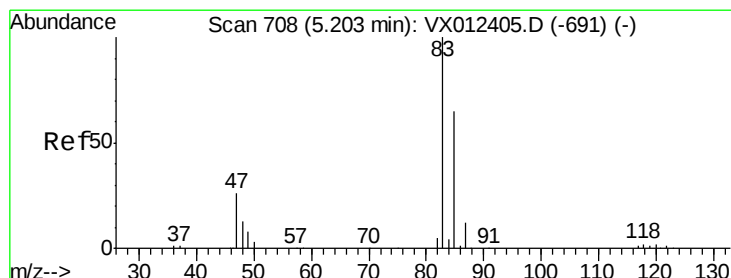
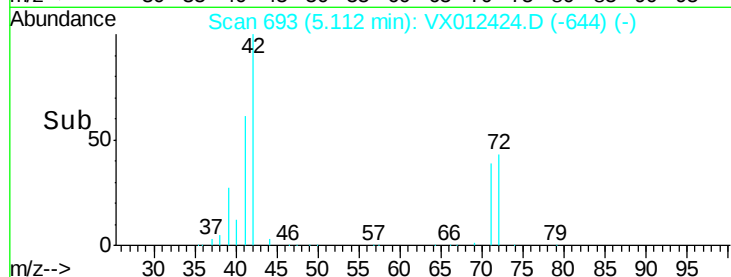
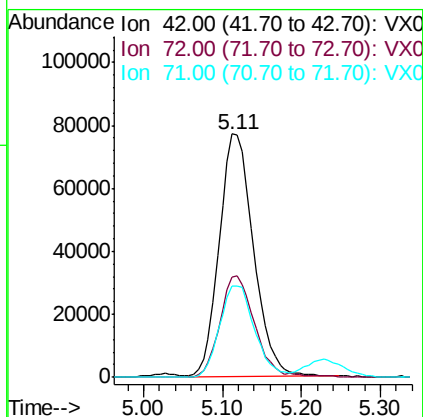
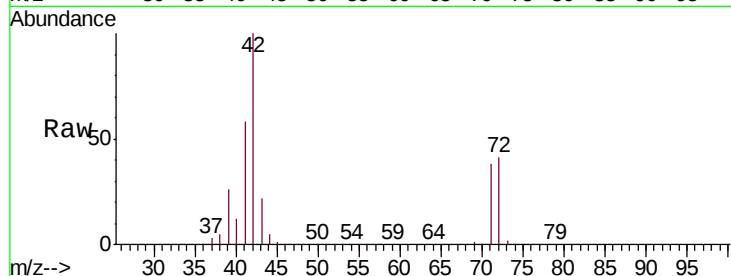




#29  
Tetrahydrofuran  
Concen: 263.546 ug/l  
RT: 5.11 min Scan# 693  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

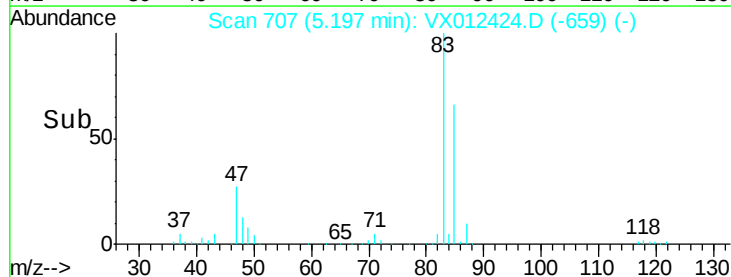
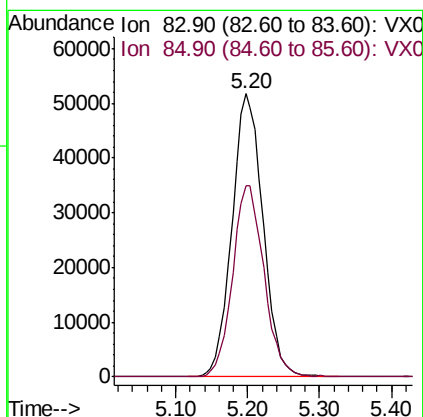
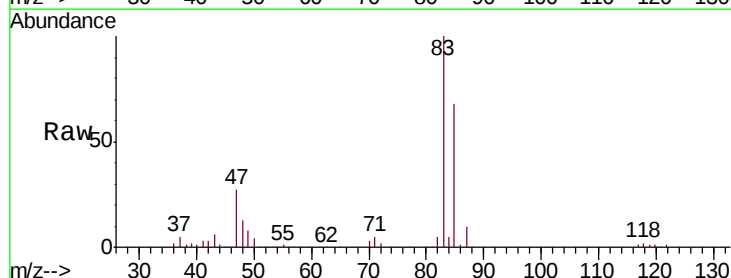
Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

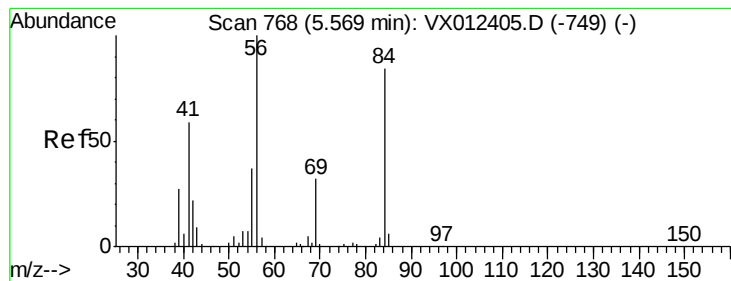
Tgt Ion: 42 Resp: 233680  
Ion Ratio Lower Upper  
42 100  
72 42.8 34.9 52.3  
71 38.7 32.6 48.8



#30  
Chloroform  
Concen: 49.574 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. -0.01 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 83 Resp: 154438  
Ion Ratio Lower Upper  
83 100  
85 67.5 51.9 77.9





#31

Cyclohexane

Concen: 103.628 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

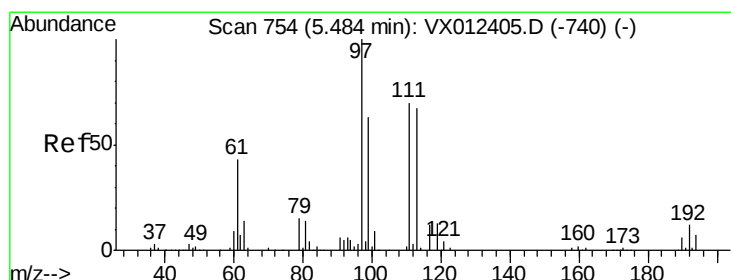
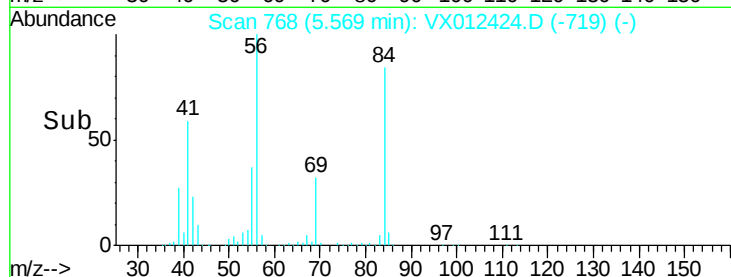
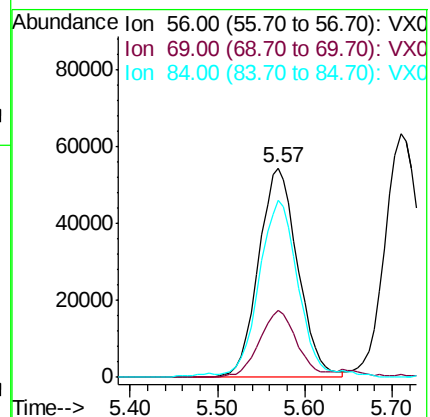
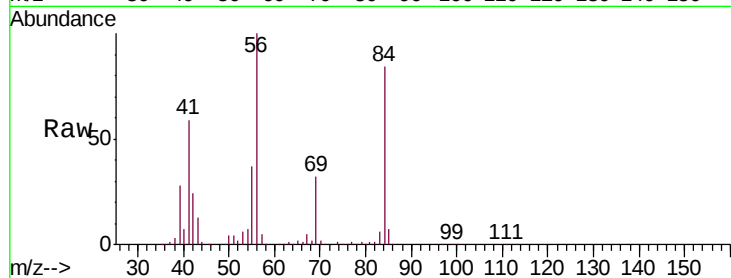
Tgt Ion: 56 Resp: 170095

Ion Ratio Lower Upper

56 100

69 31.9 24.9 37.3

84 83.5 67.2 100.8



#32

1,1,1-Trichloroethane

Concen: 52.024 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

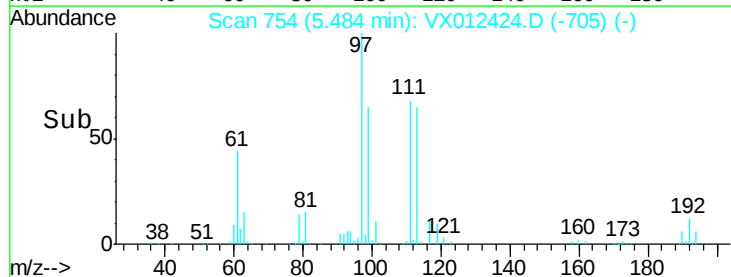
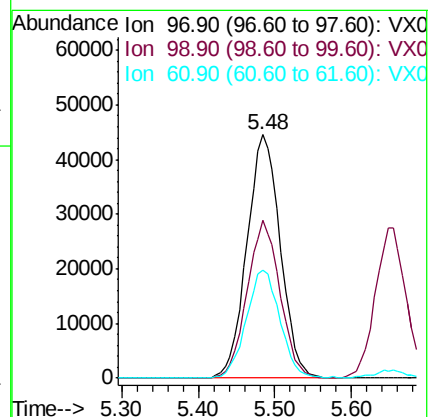
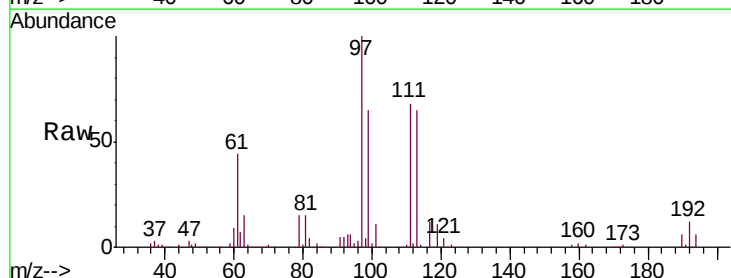
Tgt Ion: 97 Resp: 134627

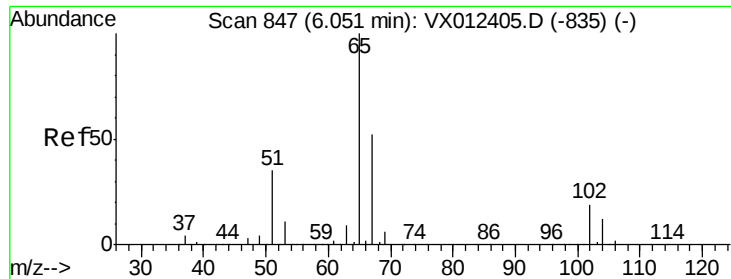
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 45.0 35.7 53.5

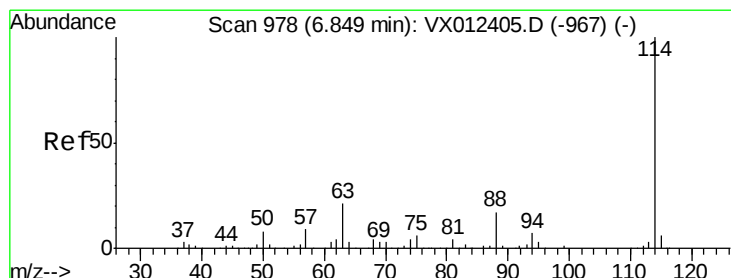
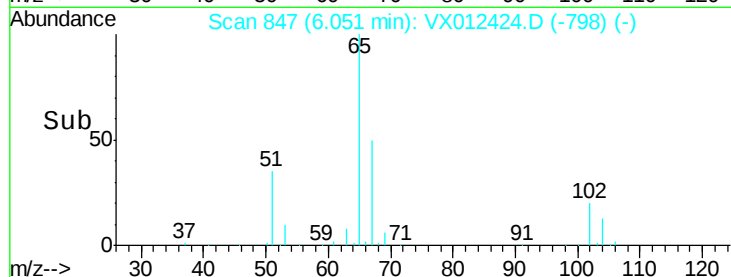
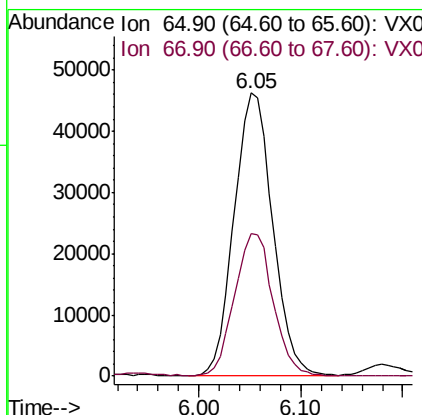
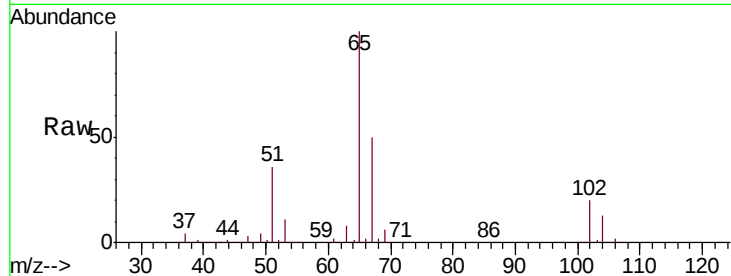




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.734 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

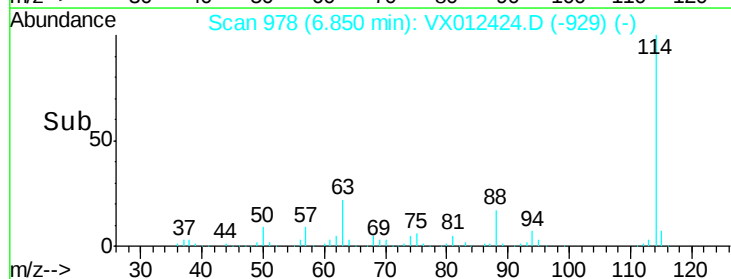
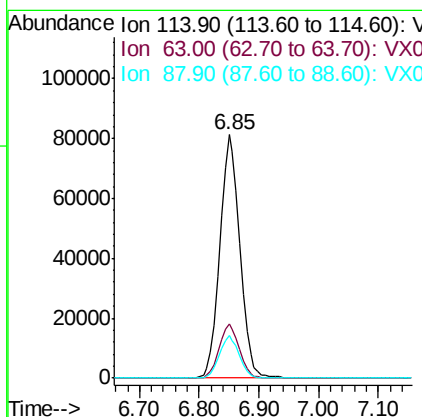
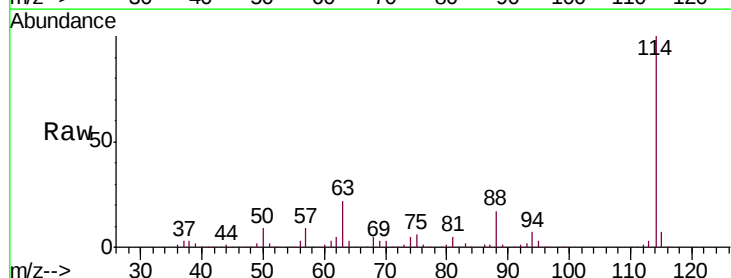
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

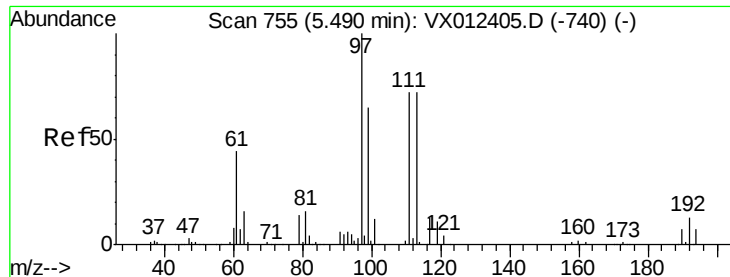
Tgt Ion: 65 Resp: 121210  
 Ion Ratio Lower Upper  
 65 100  
 67 50.5 0.0 102.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion: 114 Resp: 189141  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 42.4  
 88 17.3 0.0 33.4

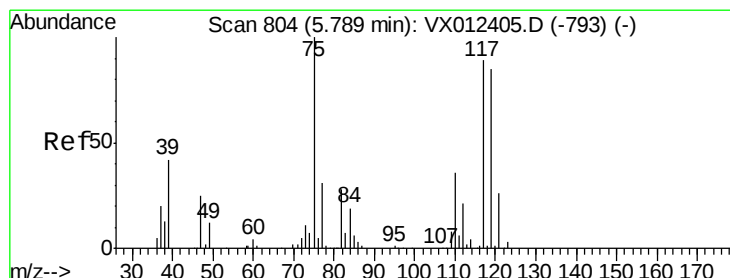
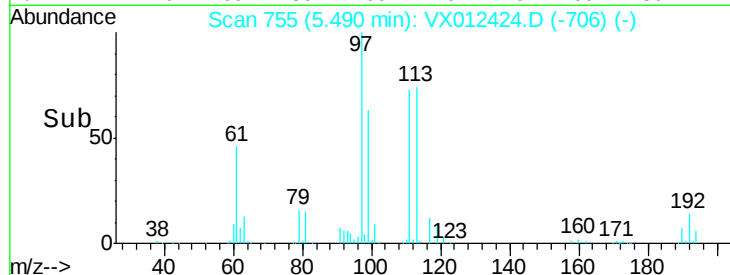
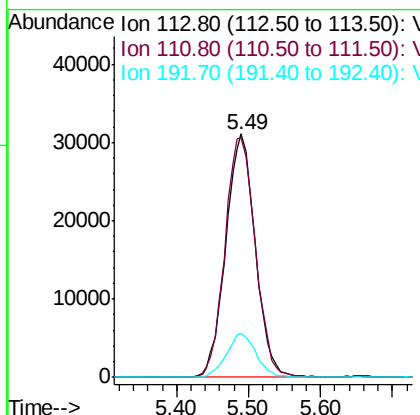
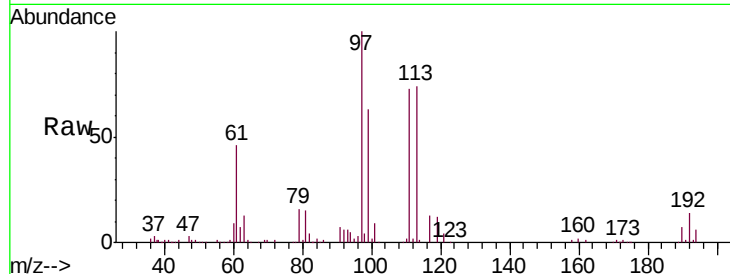




#35  
 Dibromofluoromethane  
 Concen: 48.389 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

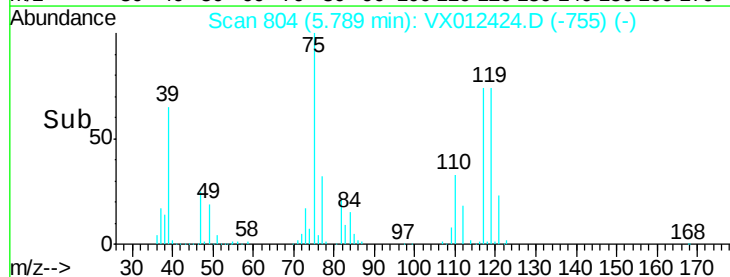
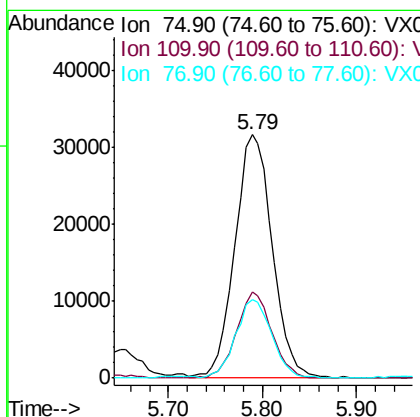
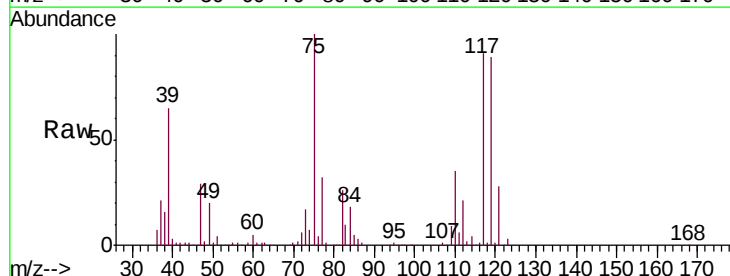
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

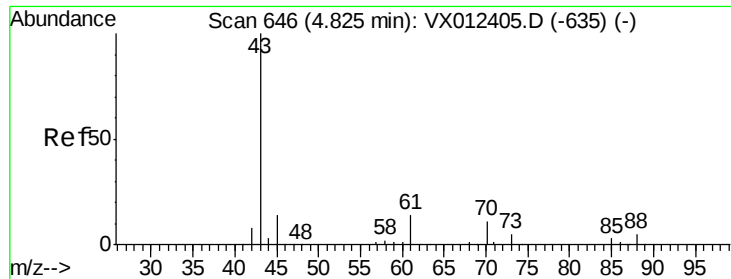
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 81.8  | 122.6 |
| 192     | 18.2  | 15.0  | 22.4  |



#36  
 1,1-Dichloropropene  
 Concen: 49.722 ug/l  
 RT: 5.79 min Scan# 804  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.8  | 17.4  | 52.2  |
| 77      | 31.1  | 24.8  | 37.2  |

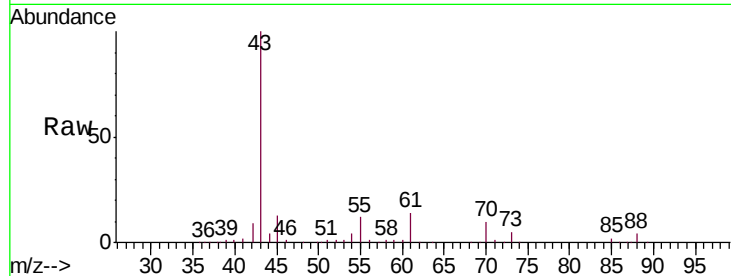




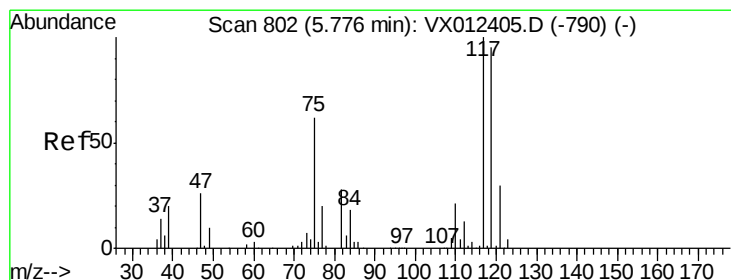
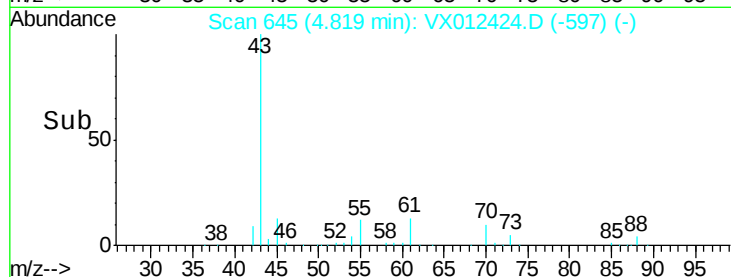
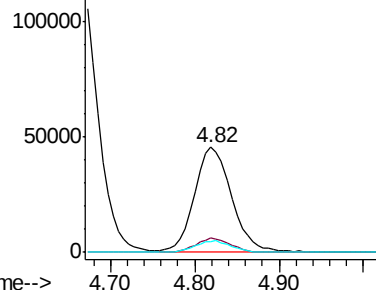
#37  
Ethyl Acetate  
Concen: 50.009 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. -0.01 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Instrument :  
MSVOA\_X  
ClientSampled :  
S13-0282MSD

Tgt Ion: 43 Resp: 134580  
Ion Ratio Lower Upper  
43 100  
61 13.1 11.2 16.8  
70 11.0 9.0 13.6

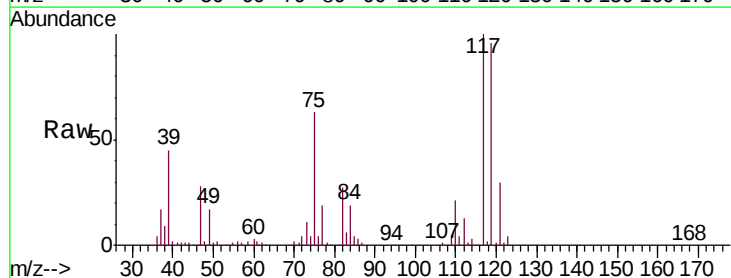


Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 70.00 (69.70 to 70.70): VX0

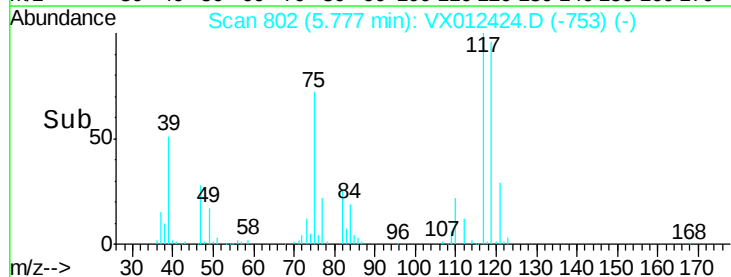
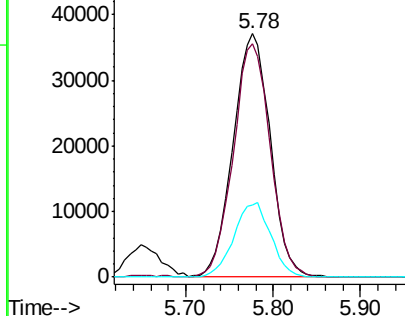


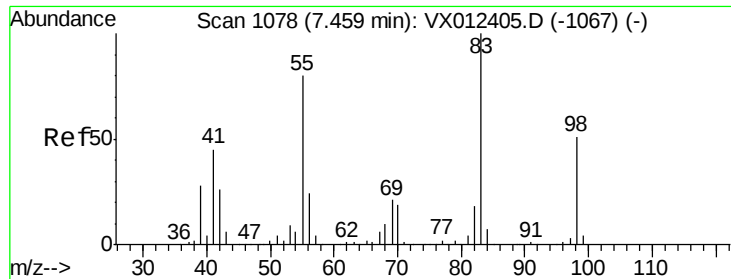
#38  
Carbon Tetrachloride  
Concen: 51.369 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 117 Resp: 109571  
Ion Ratio Lower Upper  
117 100  
119 95.9 75.8 113.8  
121 29.6 23.8 35.6



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

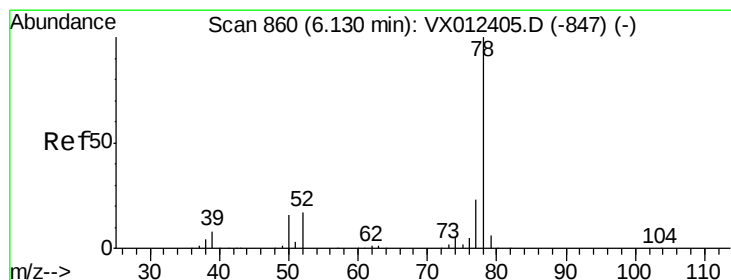
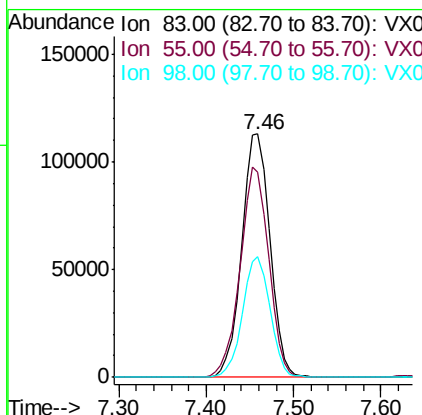
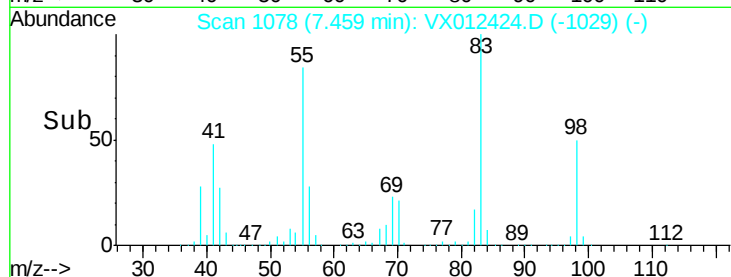
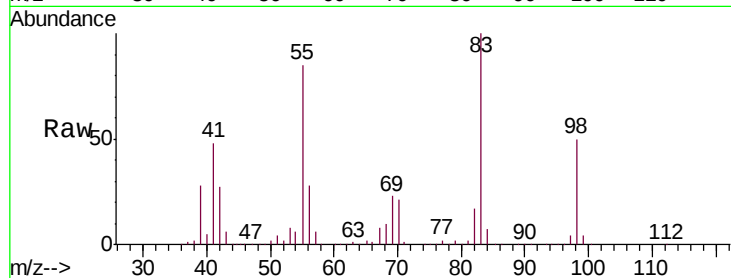




#39  
Methylcyclohexane  
Concen: 151.120 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

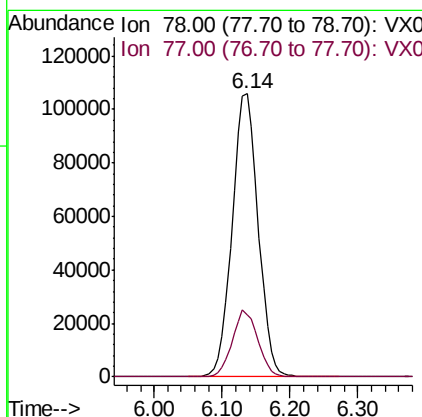
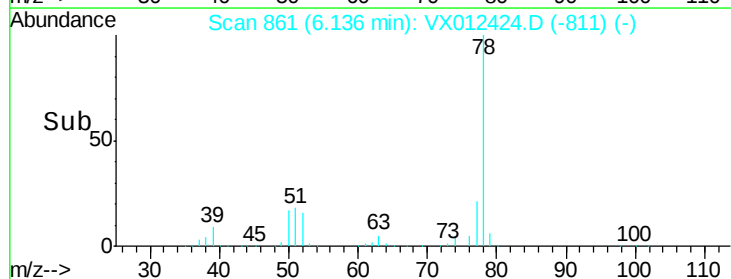
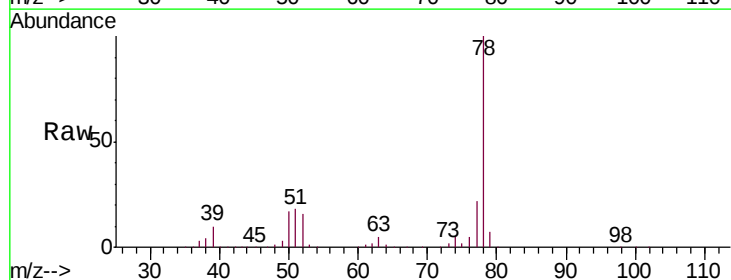
Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

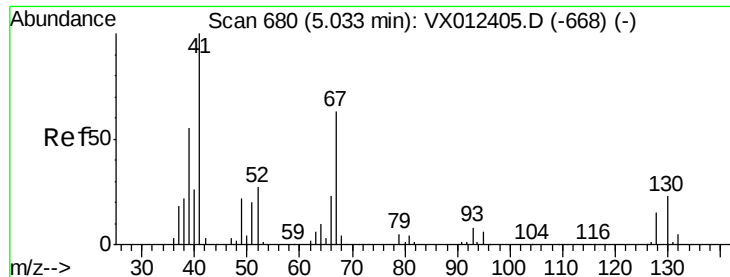
Tgt Ion: 83 Resp: 253710  
Ion Ratio Lower Upper  
83 100  
55 84.4 63.8 95.6  
98 49.5 40.6 61.0



#40  
Benzene  
Concen: 52.125 ug/l  
RT: 6.14 min Scan# 861  
Delta R.T. 0.01 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 78 Resp: 280734  
Ion Ratio Lower Upper  
78 100  
77 22.0 18.2 27.2





#41

Methacrylonitrile

Concen: 55.299 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

Tgt Ion: 41 Resp: 84966

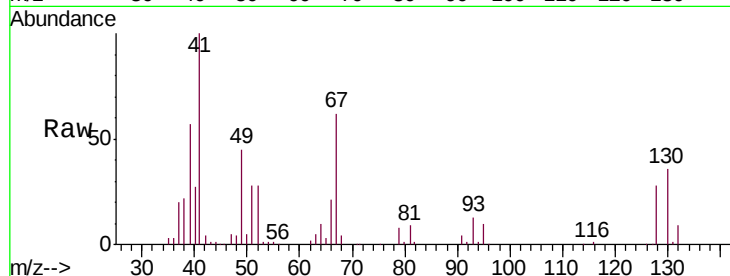
Ion Ratio Lower Upper

41 100

39 56.2 44.4 66.6

67 64.2 53.8 80.8

52 27.5 22.2 33.4

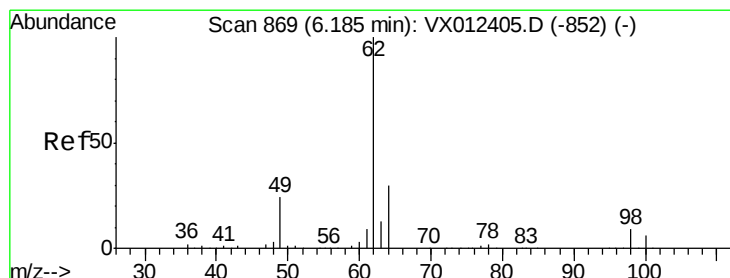
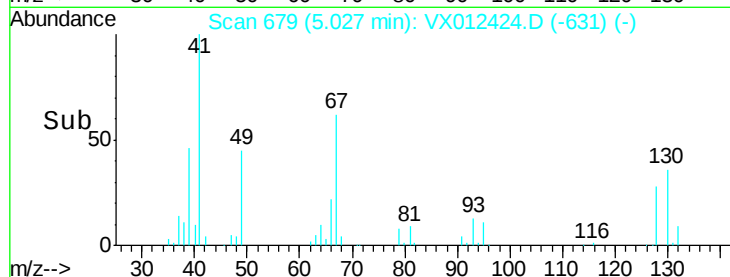
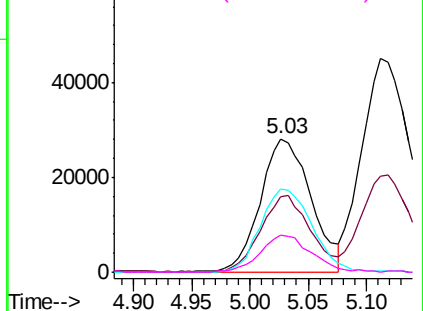


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.312 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012424.D

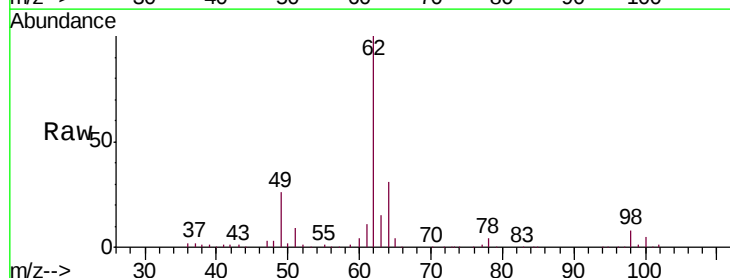
Acq: 16 Sep 2019 22:35

Tgt Ion: 62 Resp: 128278

Ion Ratio Lower Upper

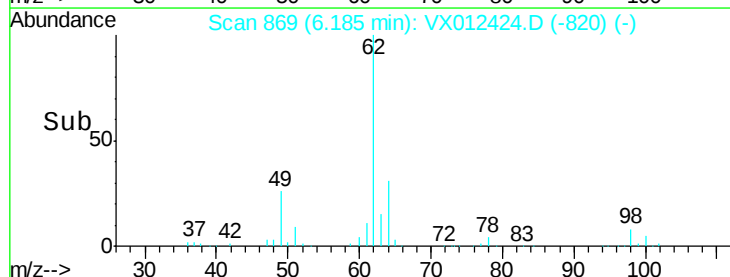
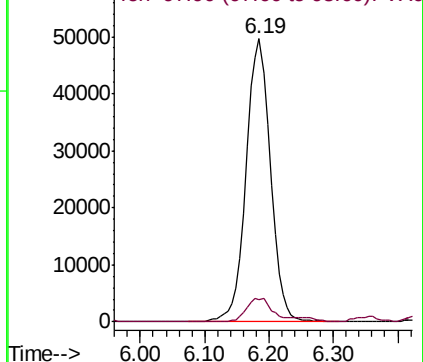
62 100

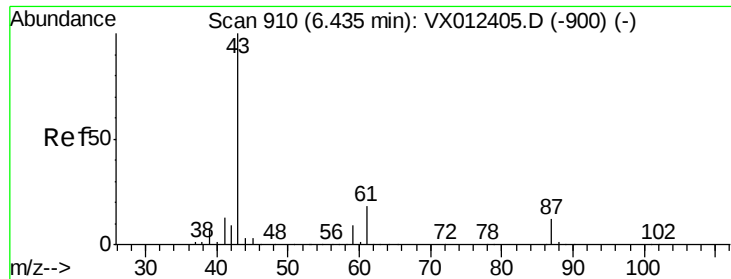
98 9.2 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.892 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

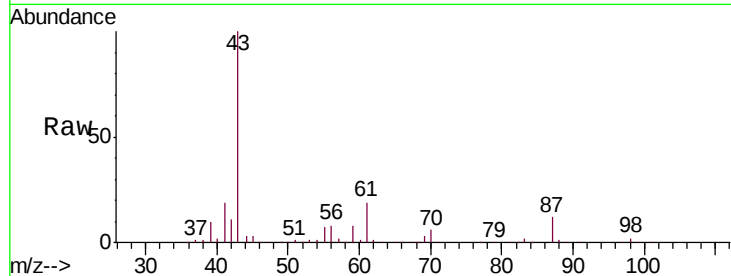
Tgt Ion: 43 Resp: 239600

Ion Ratio Lower Upper

43 100

61 18.9 15.5 23.3

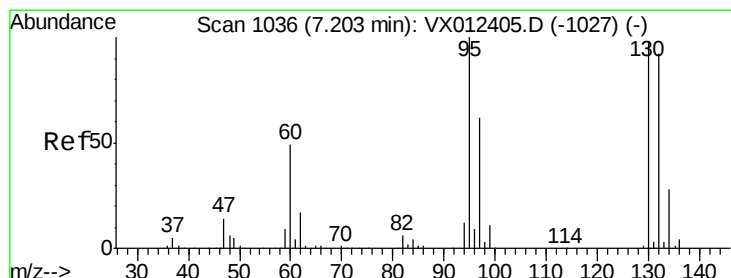
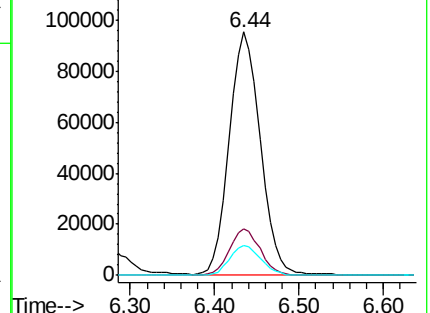
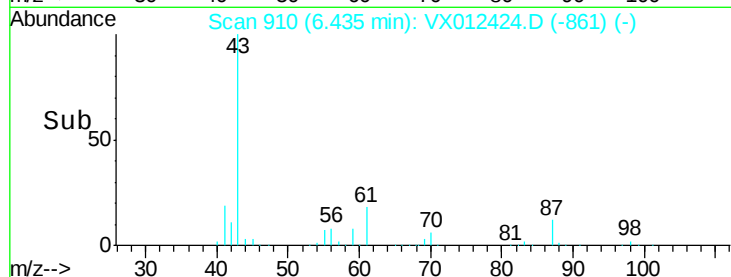
87 12.3 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 49.349 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012424.D

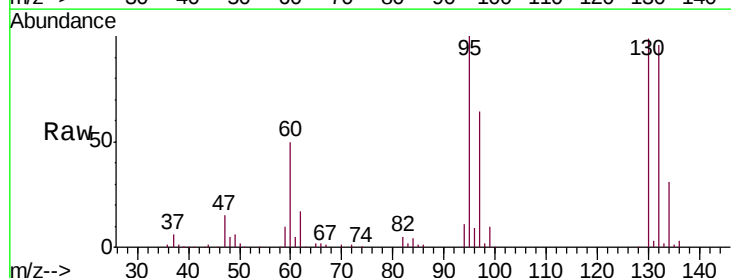
Acq: 16 Sep 2019 22:35

Tgt Ion: 130 Resp: 71384

Ion Ratio Lower Upper

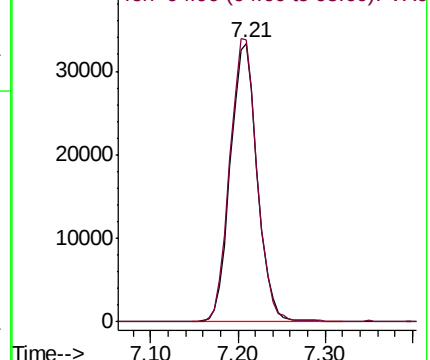
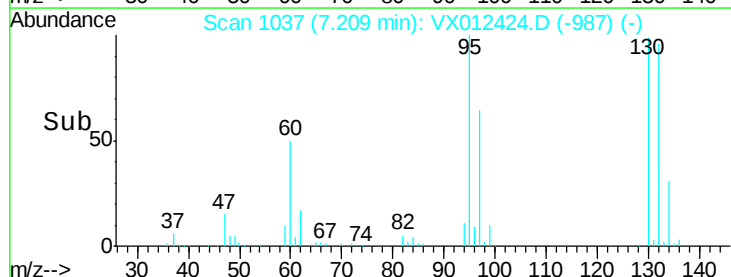
130 100

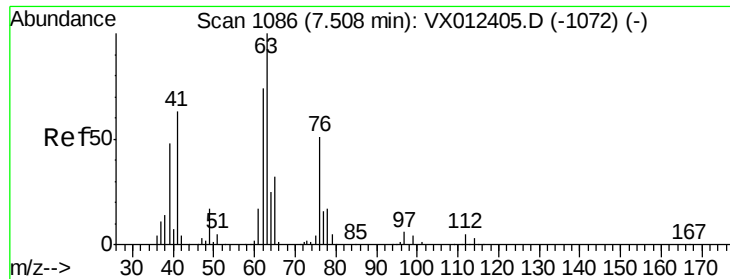
95 101.4 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

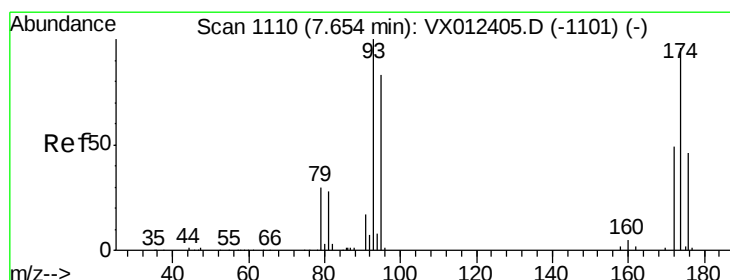
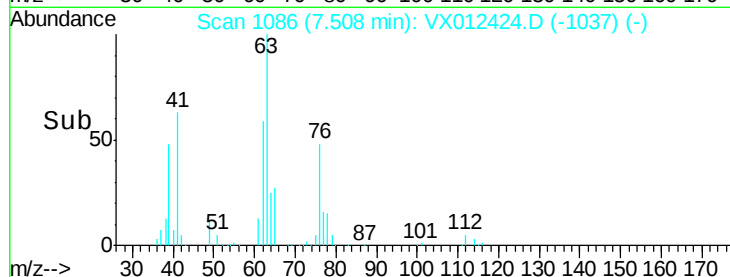
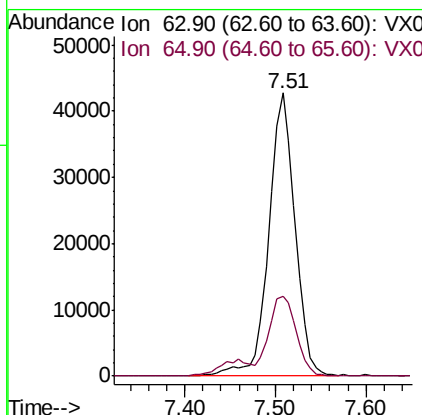
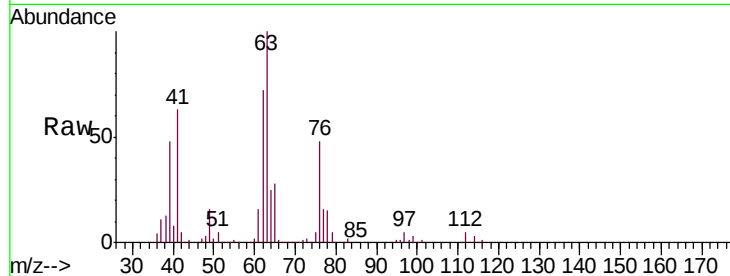




#45  
 1,2-Dichloropropane  
 Concen: 51.769 ug/l  
 RT: 7.51 min Scan# 1086  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

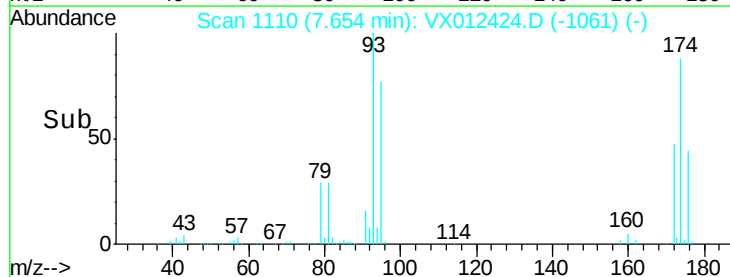
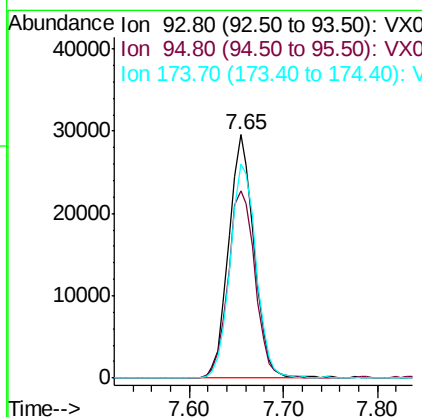
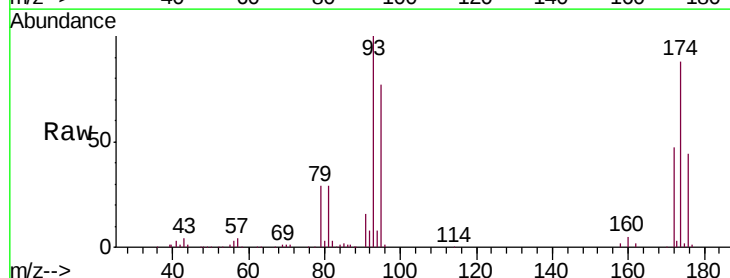
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

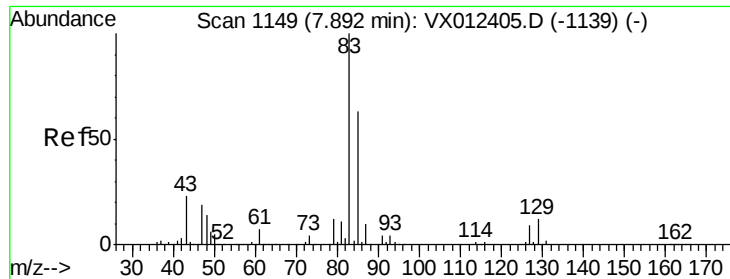
Tgt Ion: 63 Resp: 85210  
 Ion Ratio Lower Upper  
 63 100  
 65 28.4 25.6 38.4



#46  
 Dibromomethane  
 Concen: 50.452 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion: 93 Resp: 55399  
 Ion Ratio Lower Upper  
 93 100  
 95 82.0 66.2 99.2  
 174 90.0 78.6 118.0





#47

Bromodichloromethane

Concen: 51.969 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

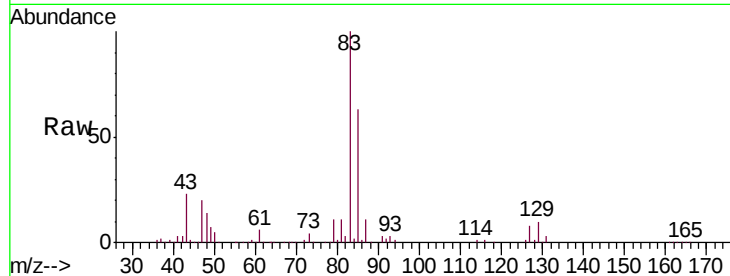
Tgt Ion: 83 Resp: 127398

Ion Ratio Lower Upper

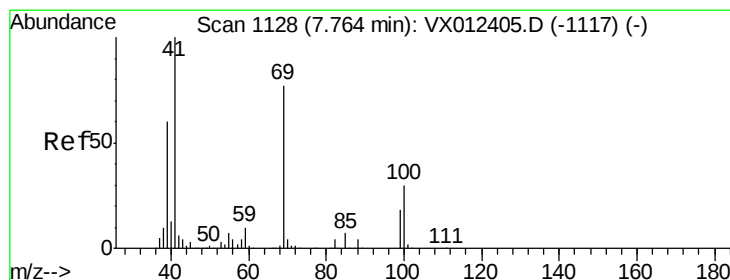
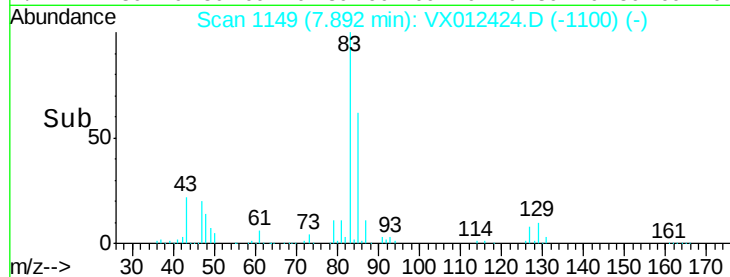
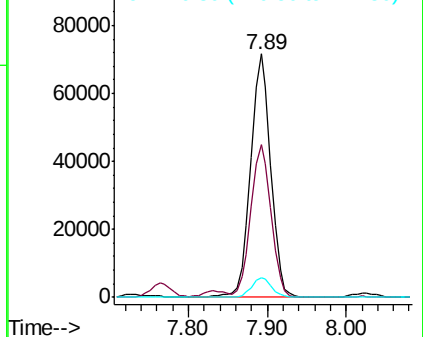
83 100

85 62.5 50.2 75.4

127 8.3 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.725 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

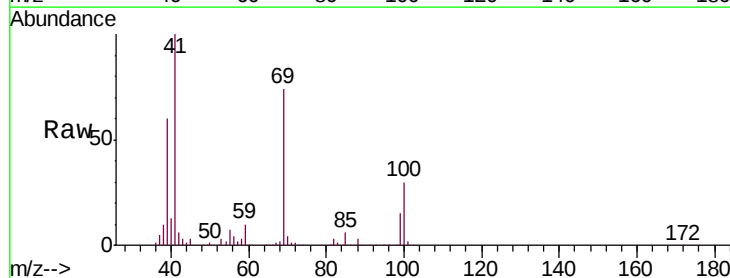
Tgt Ion: 41 Resp: 123292

Ion Ratio Lower Upper

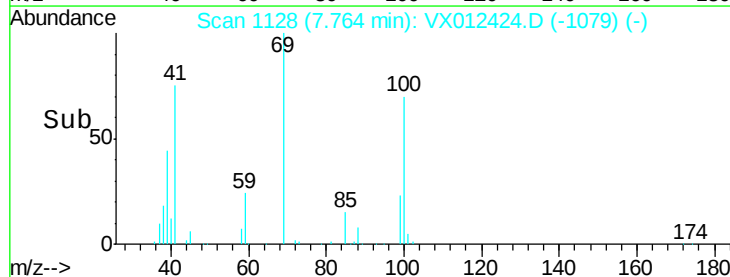
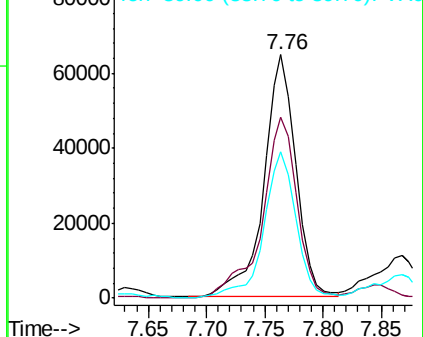
41 100

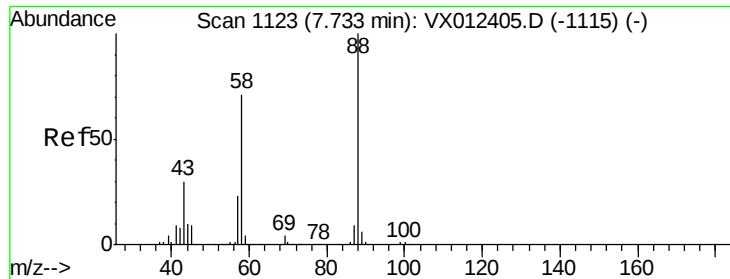
69 81.1 61.6 92.4

39 59.8 47.6 71.4



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0

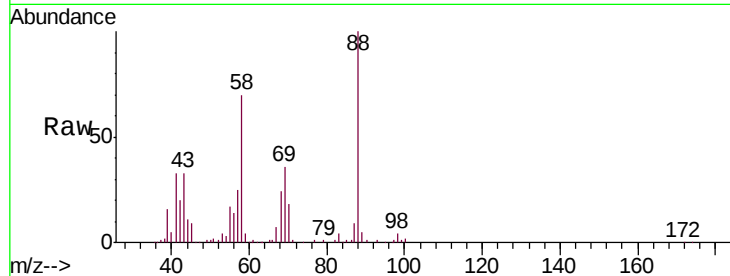




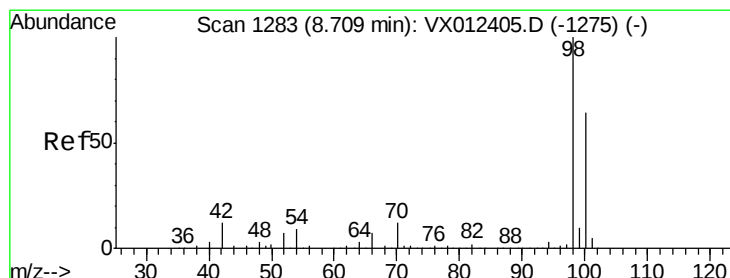
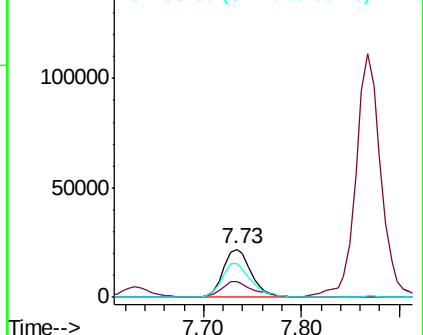
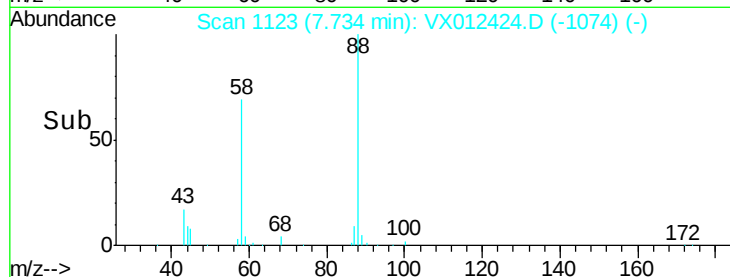
#49  
1,4-Dioxane  
Concen: 833.175 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.8  | 26.6  | 39.8  |
| 58      | 74.0  | 57.1  | 85.7  |

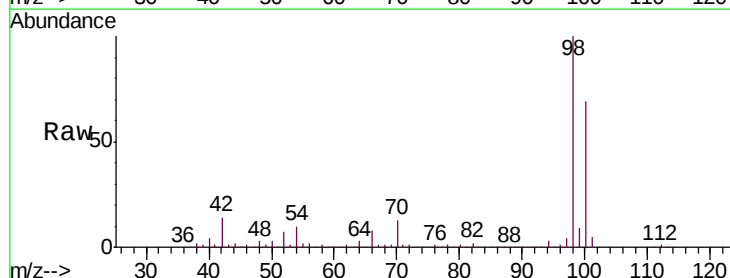


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

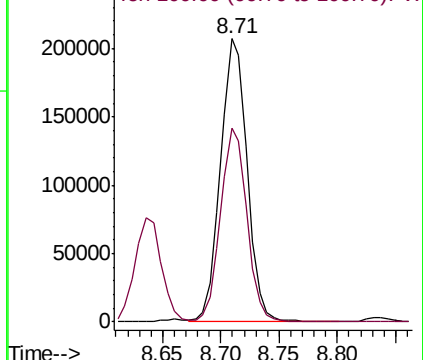
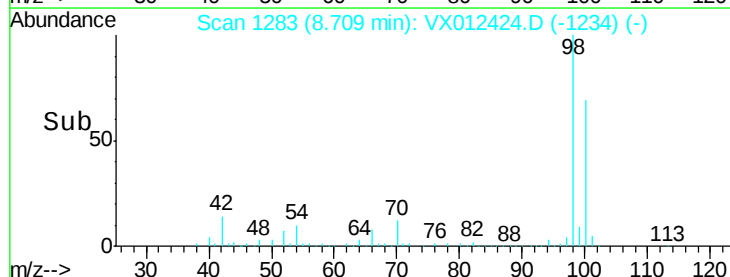


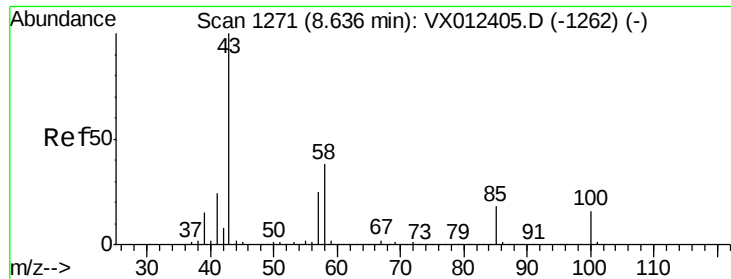
#50  
Toluene-d8  
Concen: 49.983 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 68.4  | 54.4  | 81.6  |



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): VX0

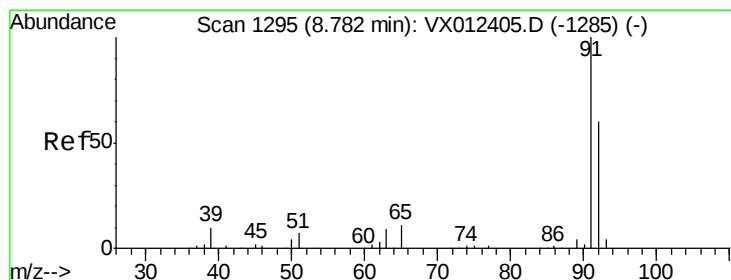
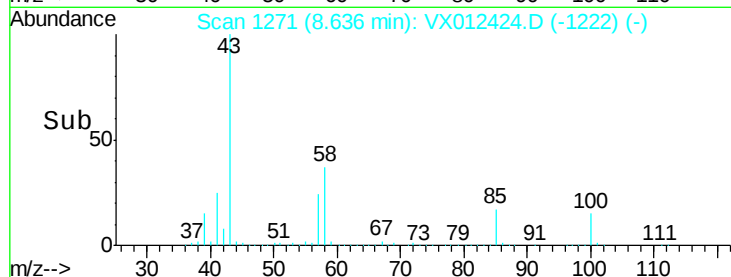
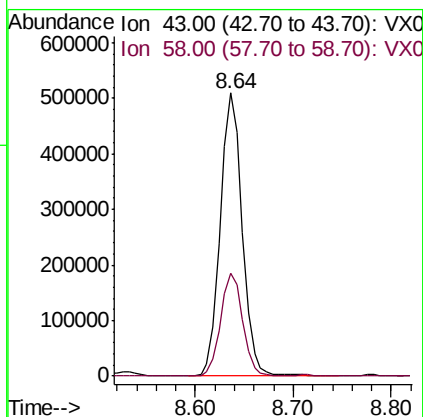
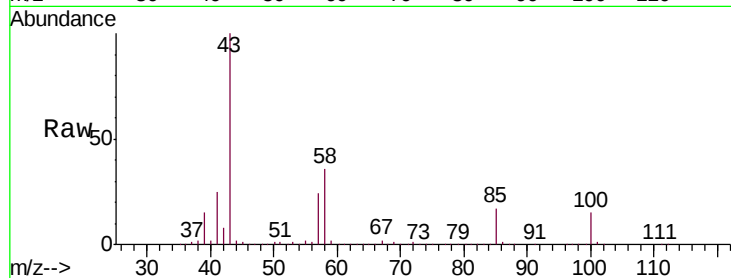




#51  
 4-Methyl-2-Pentanone  
 Concen: 265.079 ug/l  
 RT: 8.64 min Scan# 1271  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

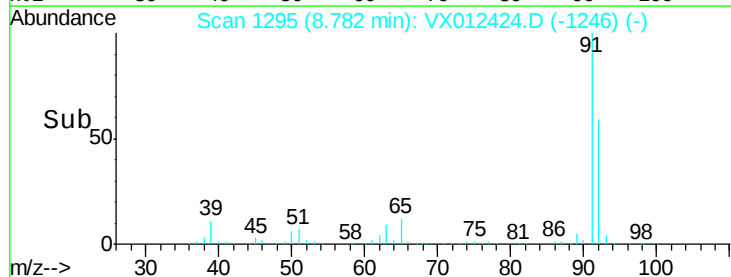
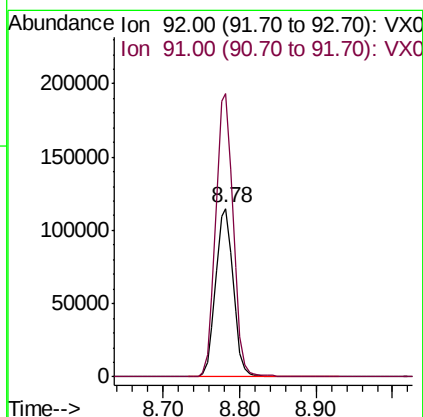
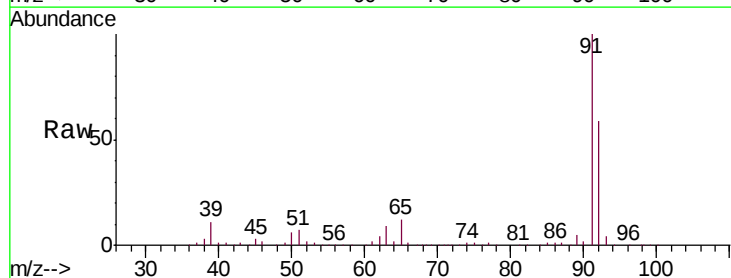
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

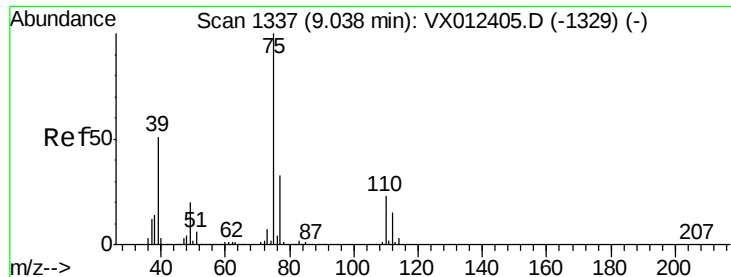
Tgt Ion: 43 Resp: 793072  
 Ion Ratio Lower Upper  
 43 100  
 58 36.7 30.2 45.4



#52  
 Toluene  
 Concen: 52.475 ug/l  
 RT: 8.78 min Scan# 1295  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion: 92 Resp: 183970  
 Ion Ratio Lower Upper  
 92 100  
 91 166.9 133.3 199.9

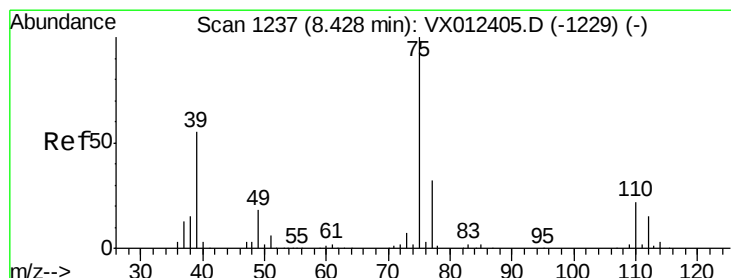
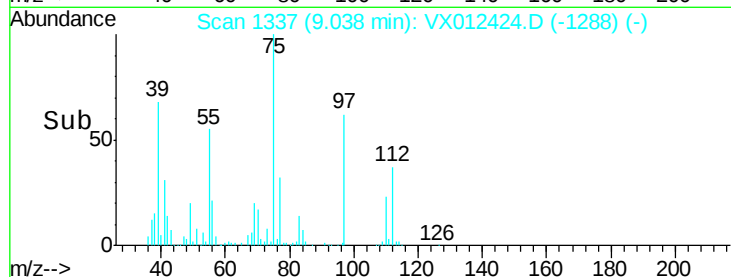
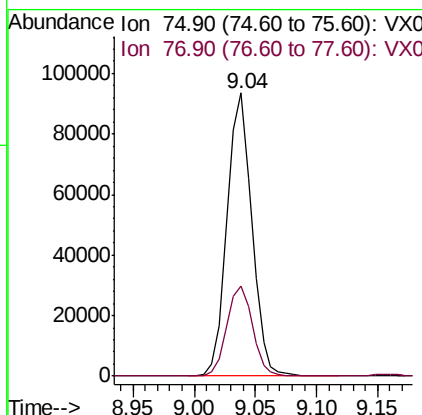
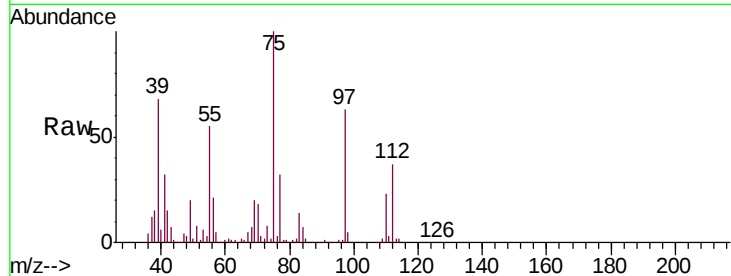




#53  
t-1,3-Dichloropropene  
Concen: 51.596 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

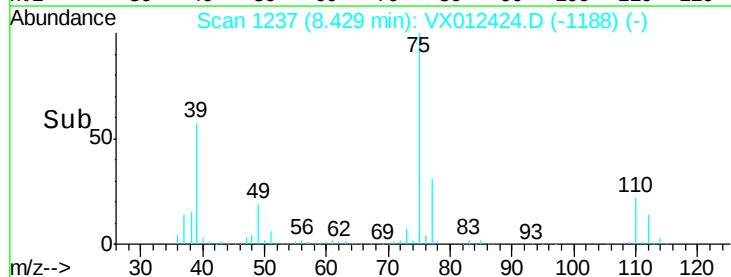
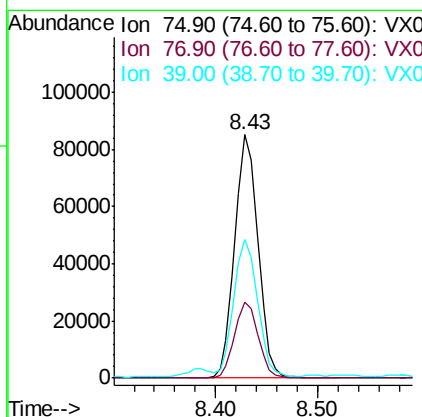
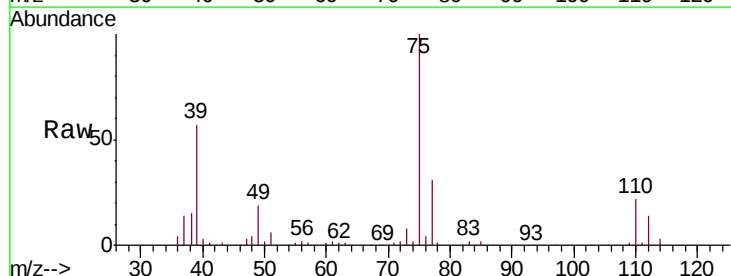
Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

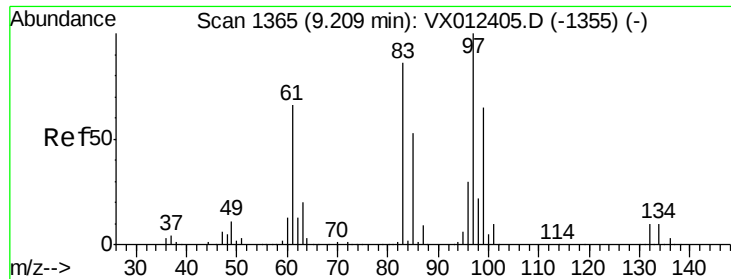
Tgt Ion: 75 Resp: 131170  
Ion Ratio Lower Upper  
75 100  
77 31.7 26.1 39.1



#54  
cis-1,3-Dichloropropene  
Concen: 51.253 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 75 Resp: 134687  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.2 37.8  
39 56.1 43.8 65.8

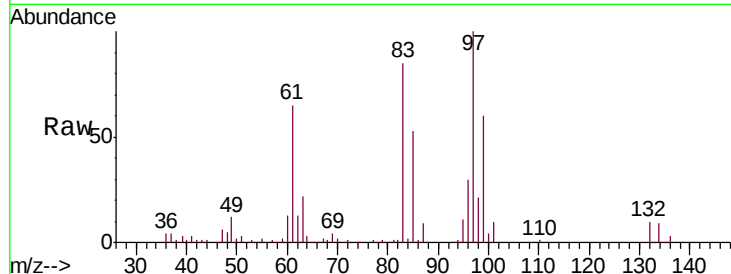




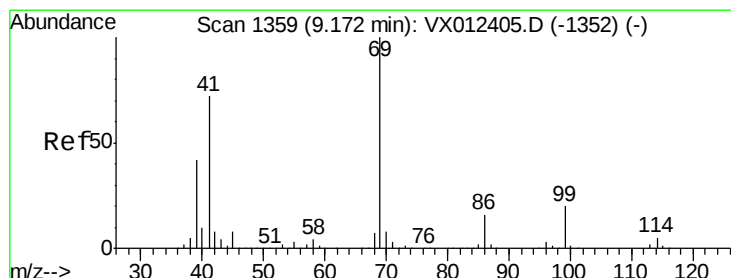
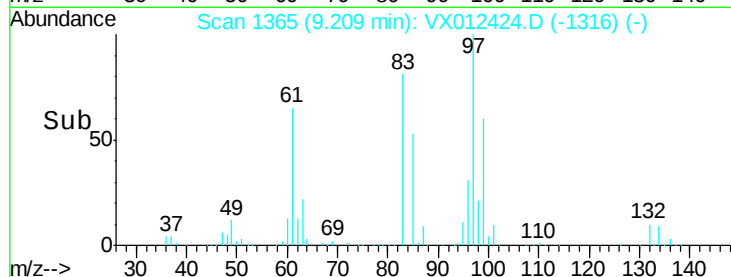
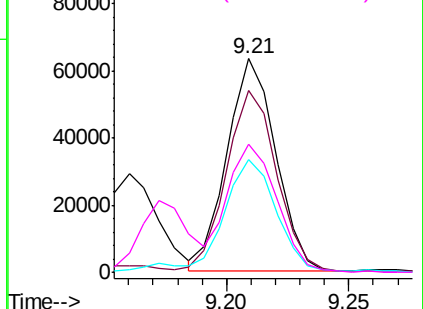
#55  
 1,1,2-Trichloroethane  
 Concen: 47.784 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 88026 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.1  | 68.5  | 102.7 |
| 85       | 52.6  | 42.6  | 64.0  |
| 99       | 59.7  | 52.5  | 78.7  |

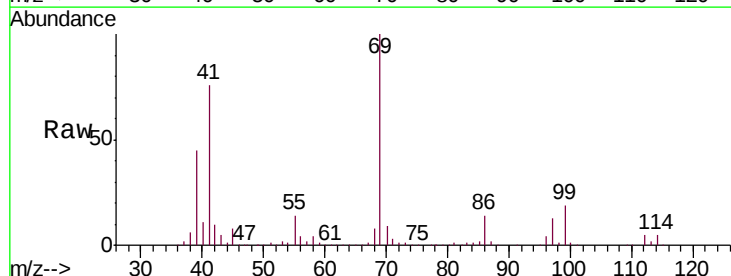


Abundance Ion 96.90 (96.60 to 97.60): VX0  
 Ion 82.90 (82.60 to 83.60): VX0  
 Ion 84.90 (84.60 to 85.60): VX0  
 Ion 98.90 (98.60 to 99.60): VX0

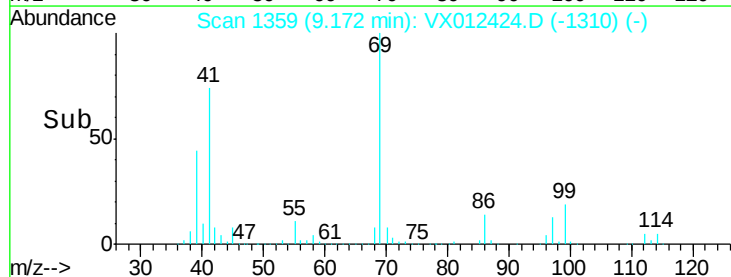
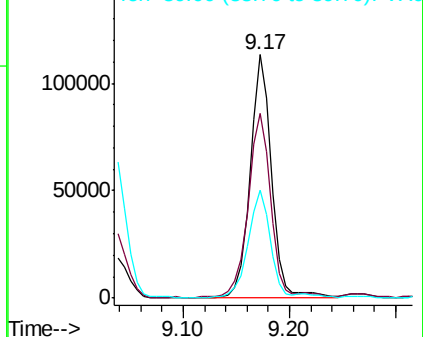


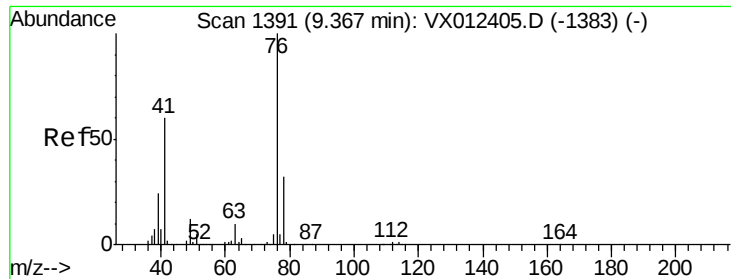
#56  
 Ethyl methacrylate  
 Concen: 57.946 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 160601 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 80.7  | 57.0  | 85.6   |
| 39       | 46.7  | 32.6  | 49.0   |



Abundance Ion 69.00 (68.70 to 69.70): VX0  
 Ion 41.00 (40.70 to 41.70): VX0  
 Ion 39.00 (38.70 to 39.70): VX0

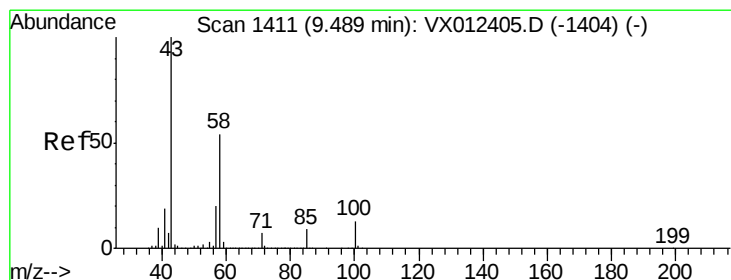
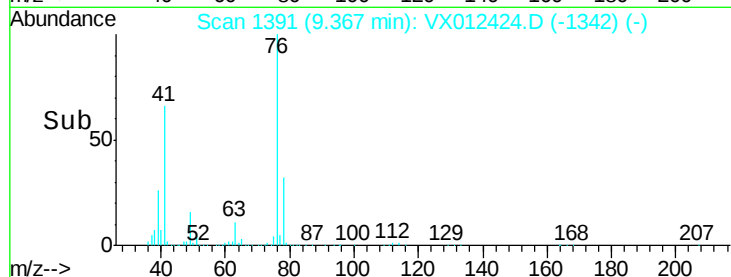
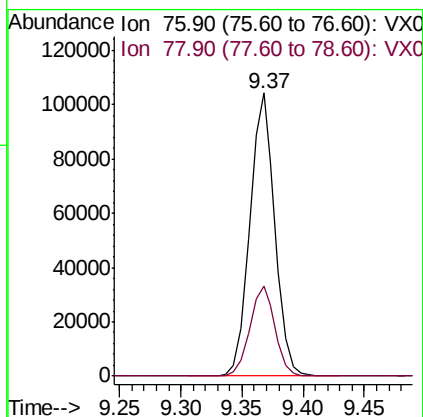
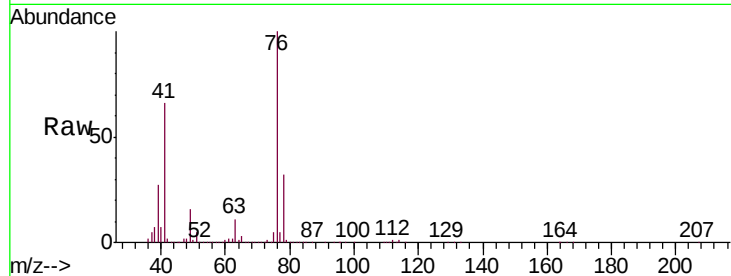




#57  
 1,3-Dichloropropane  
 Concen: 50.504 ug/l  
 RT: 9.37 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

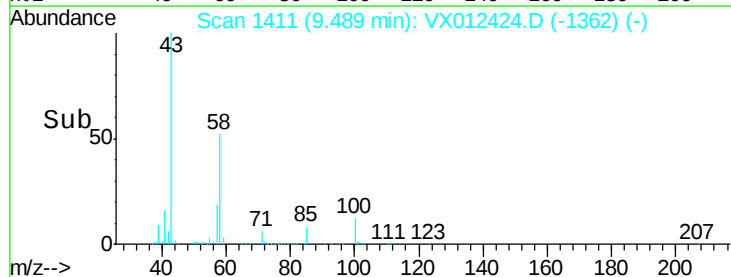
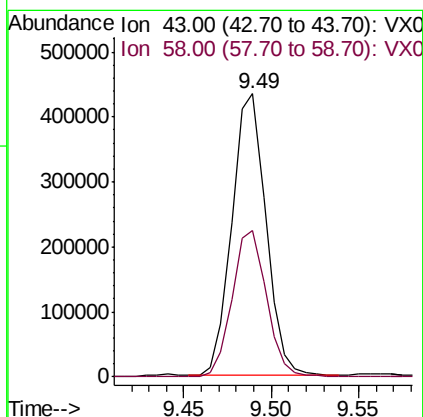
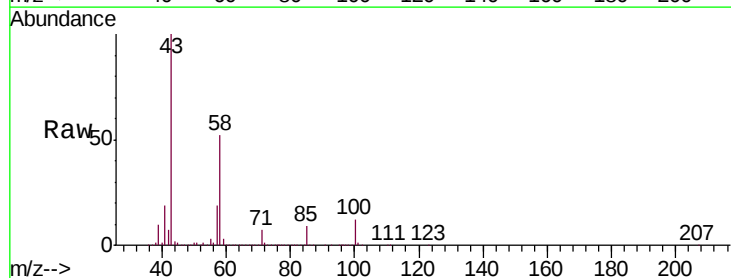
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

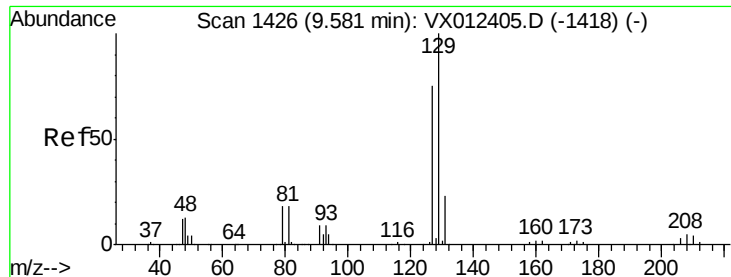
Tgt Ion: 76 Resp: 147785  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 25.9 38.9



#59  
 2-Hexanone  
 Concen: 255.426 ug/l  
 RT: 9.49 min Scan# 1411  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion: 43 Resp: 589144  
 Ion Ratio Lower Upper  
 43 100  
 58 52.9 26.4 79.0

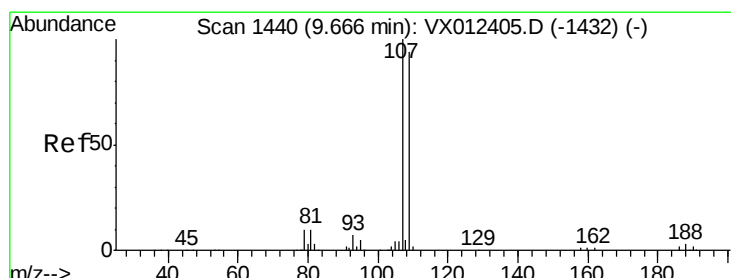
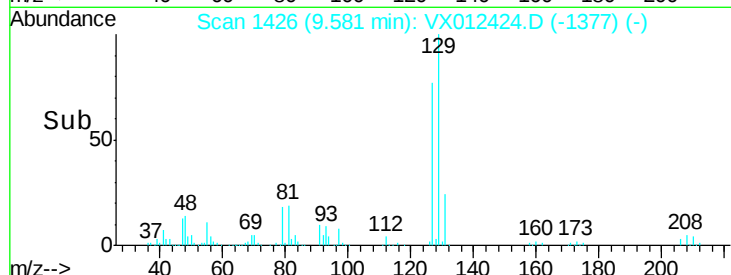
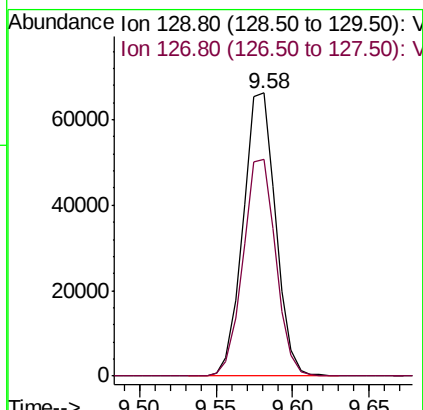
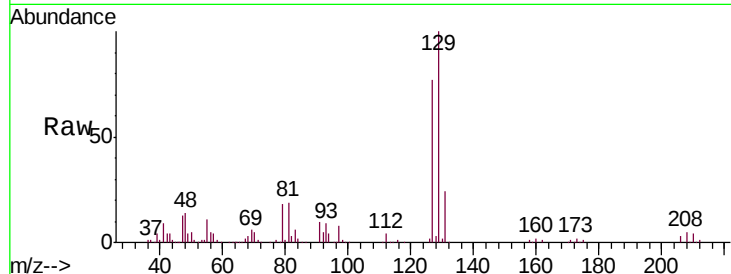




#60  
 Dibromochloromethane  
 Concen: 46.401 ug/l  
 RT: 9.58 min Scan# 1426  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

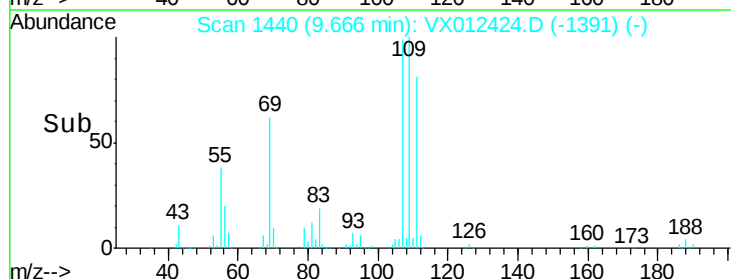
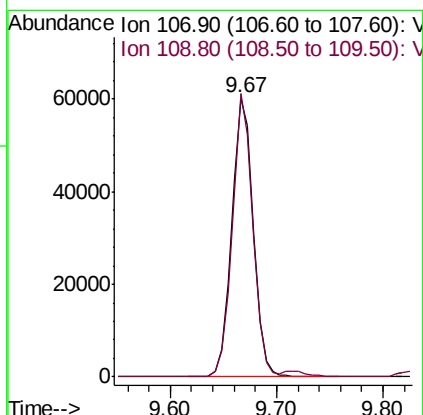
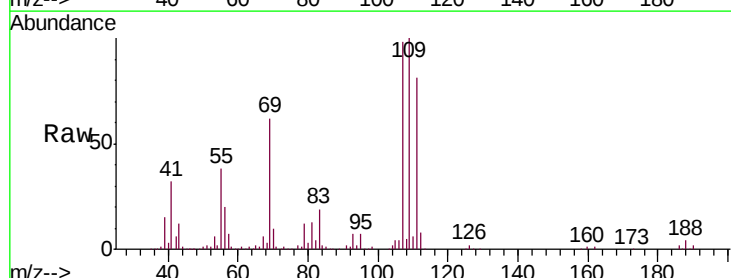
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

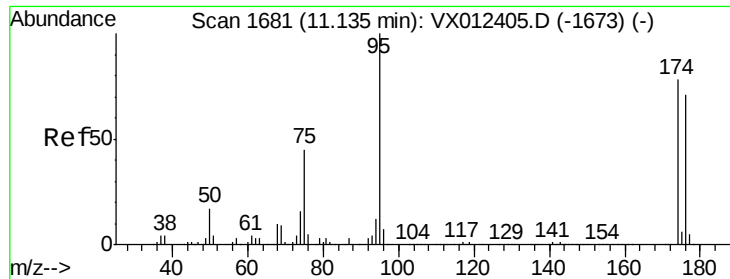
Tgt Ion:129 Resp: 97874  
 Ion Ratio Lower Upper  
 129 100  
 127 76.8 38.1 114.3



#61  
 1,2-Dibromoethane  
 Concen: 50.394 ug/l  
 RT: 9.67 min Scan# 1440  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion:107 Resp: 85396  
 Ion Ratio Lower Upper  
 107 100  
 109 96.3 75.1 112.7





#62

4-Bromofluorobenzene

Concen: 49.614 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

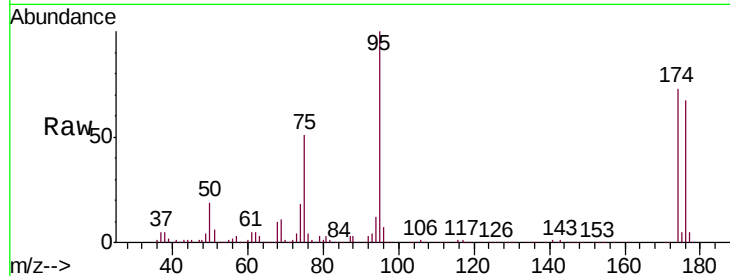
Tgt Ion: 95 Resp: 135713

Ion Ratio Lower Upper

95 100

174 69.0 0.0 146.0

176 65.6 0.0 137.6

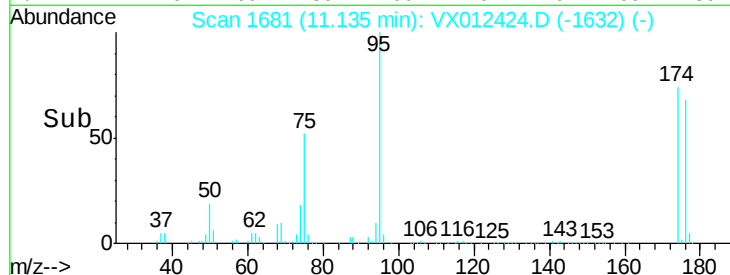


Abundance Ion 94.90 (94.60 to 95.60): VX012405.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012405.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012405.D (-1673) (-)

Time--> 11.05 11.10 11.15

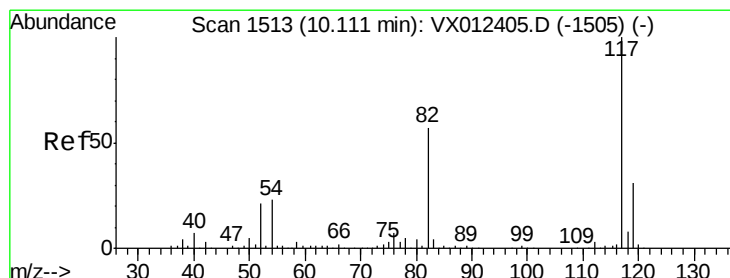


Abundance Ion 94.90 (94.60 to 95.60): VX012424.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012424.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012424.D (-1632) (-)

Time--> 11.05 11.10 11.15



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

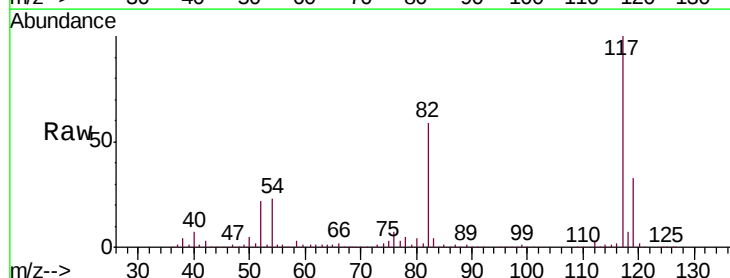
Tgt Ion: 117 Resp: 179201

Ion Ratio Lower Upper

117 100

82 58.6 45.8 68.6

119 33.3 24.9 37.3

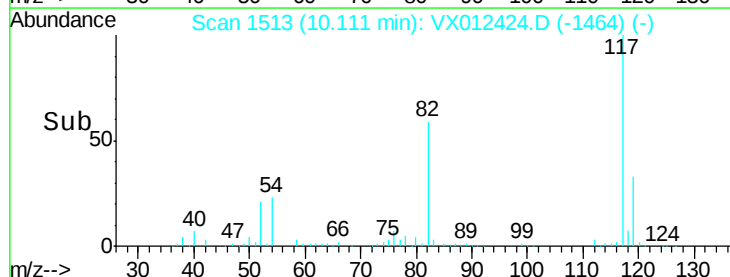


Abundance Ion 116.90 (116.60 to 117.60): VX012405.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012405.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012405.D (-1505) (-)

Time--> 10.10 10.15 10.20

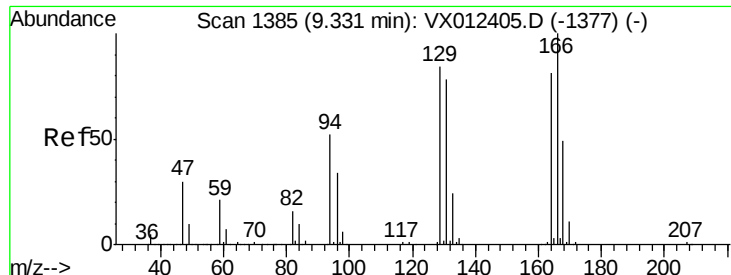


Abundance Ion 116.90 (116.60 to 117.60): VX012424.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012424.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012424.D (-1464) (-)

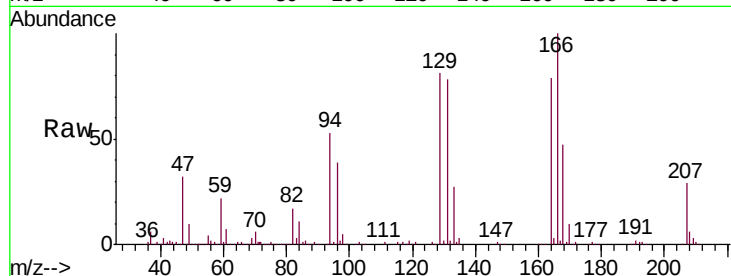
Time--> 10.10 10.15 10.20



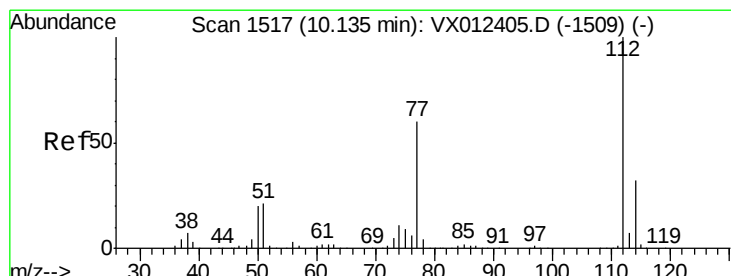
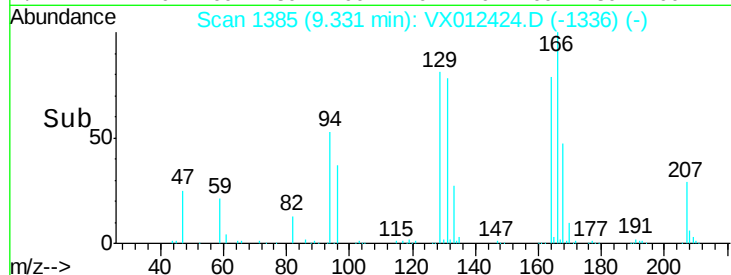
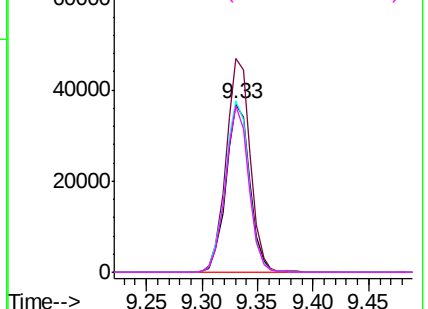
#64  
Tetrachloroethene  
Concen: 45.954 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

Tgt Ion:164 Resp: 54607  
Ion Ratio Lower Upper  
164 100  
166 126.9 98.2 147.4  
129 102.3 82.6 123.8  
131 98.7 76.7 115.1

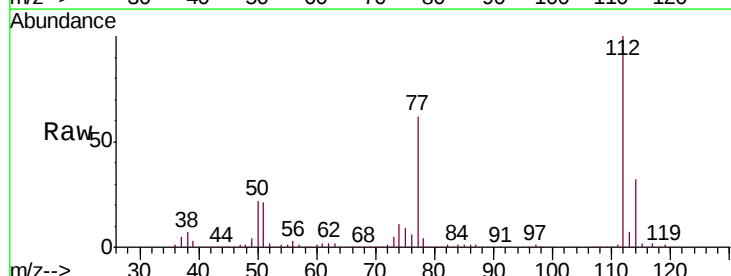


Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

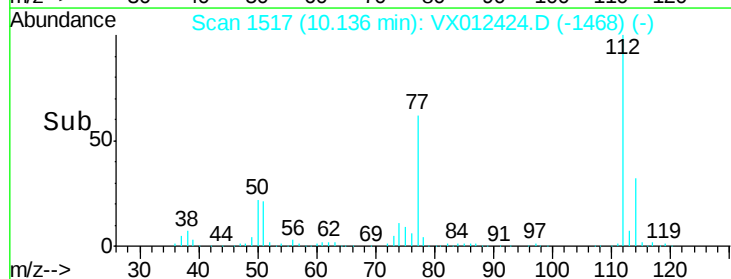
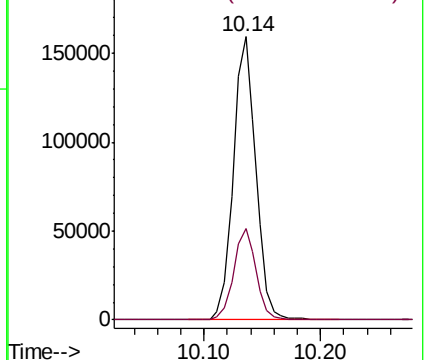


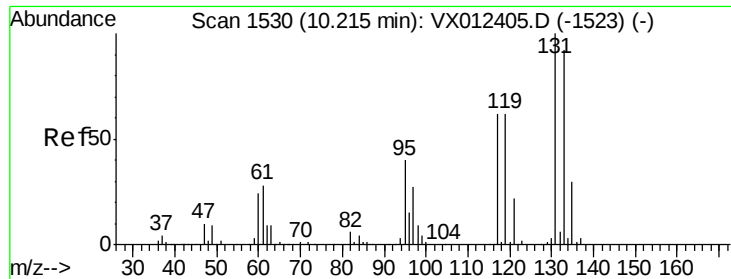
#65  
Chlorobenzene  
Concen: 51.189 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion:112 Resp: 214174  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V

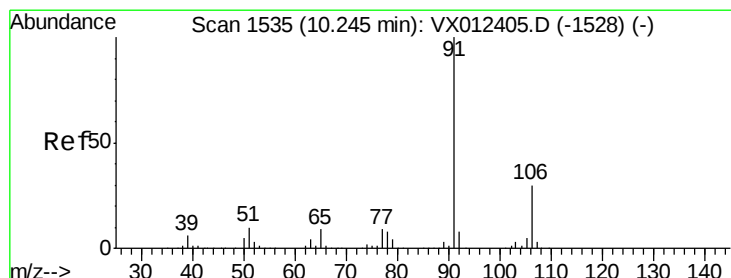
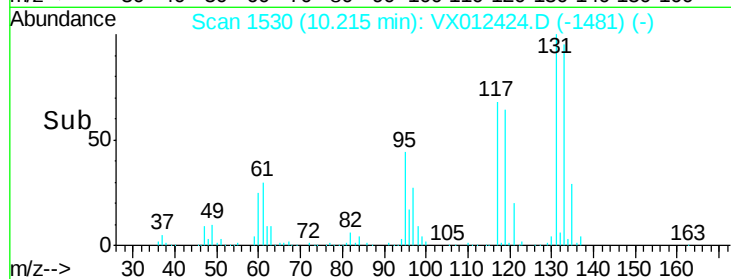
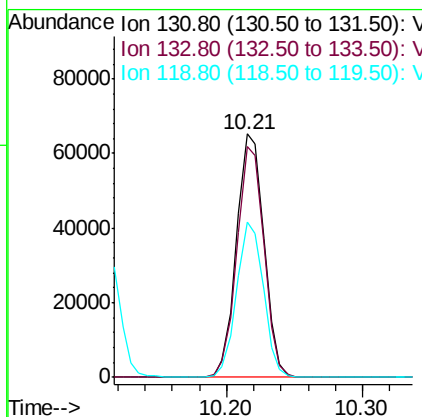
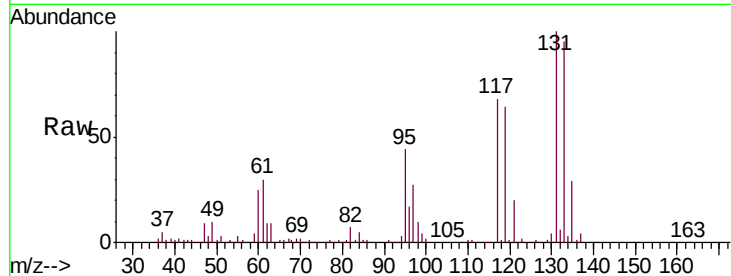




#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 51.749 ug/l  
 RT: 10.21 min Scan# 1530  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

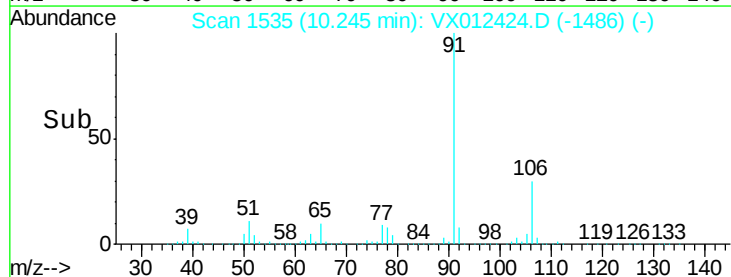
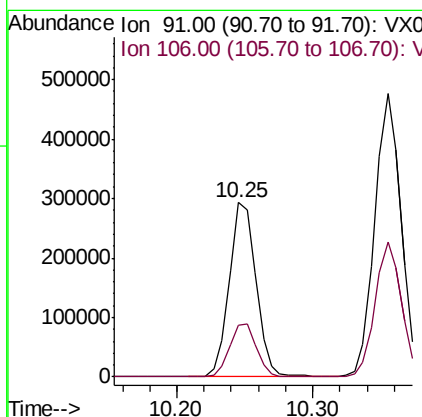
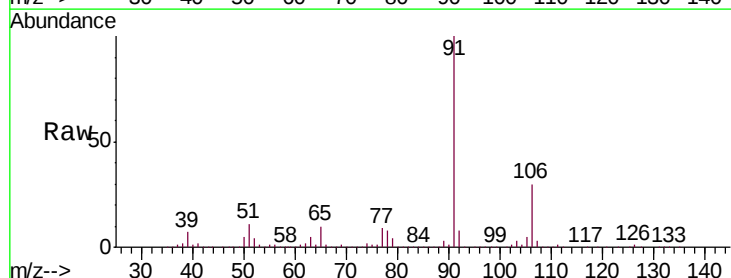
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

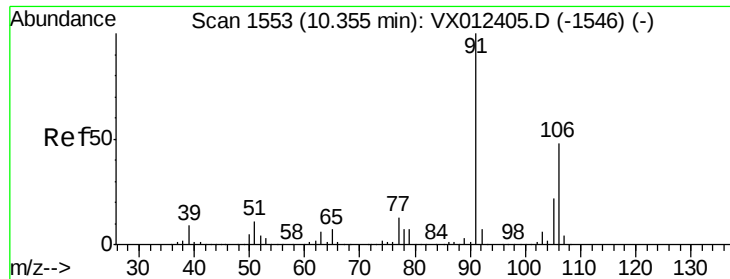
Tgt Ion: 131 Resp: 91861  
 Ion Ratio Lower Upper  
 131 100  
 133 93.5 48.4 145.0  
 119 62.3 31.6 94.7



#67  
 Ethyl Benzene  
 Concen: 56.527 ug/l  
 RT: 10.25 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion: 91 Resp: 403624  
 Ion Ratio Lower Upper  
 91 100  
 106 30.0 24.0 36.0

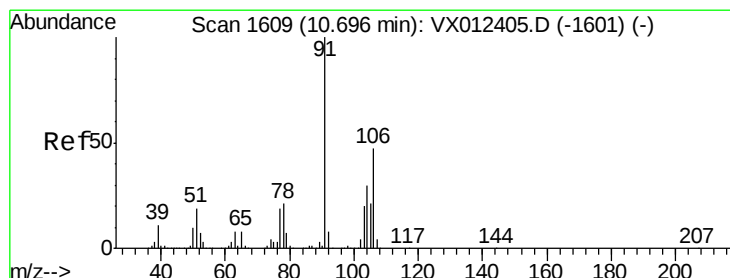
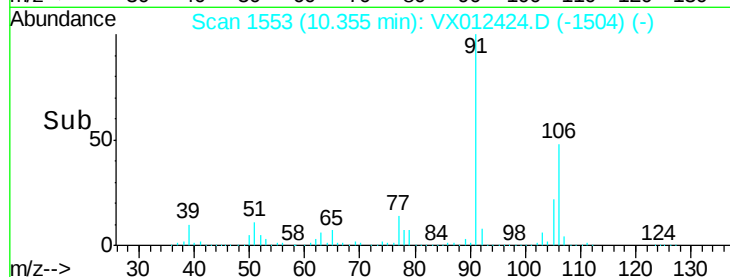
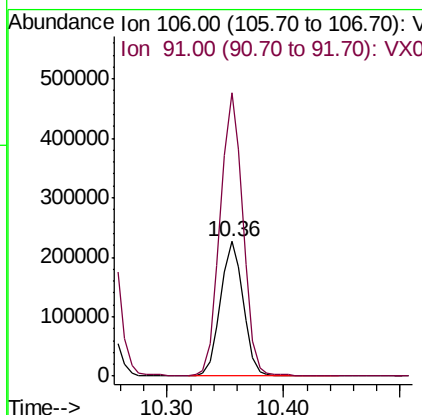
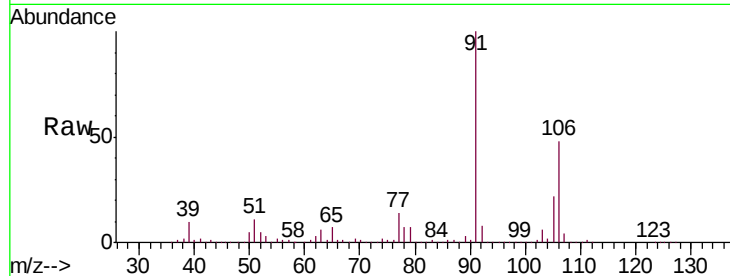




#68  
m/p-Xylenes  
Concen: 115.945 ug/l  
RT: 10.36 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

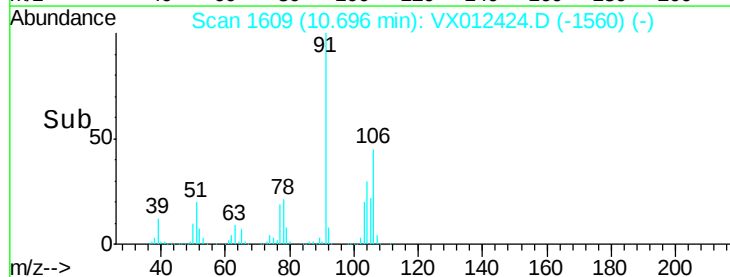
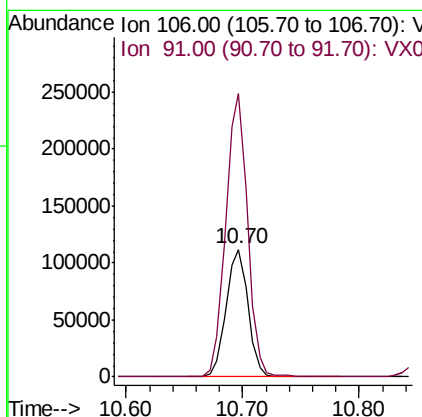
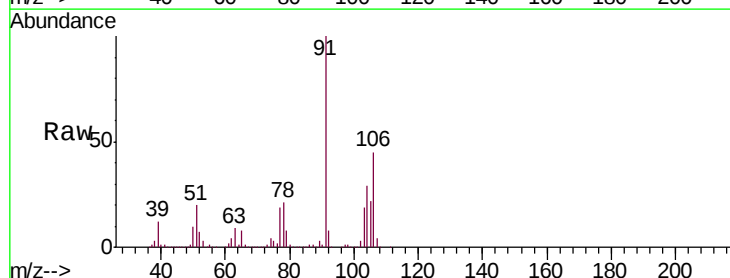
Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

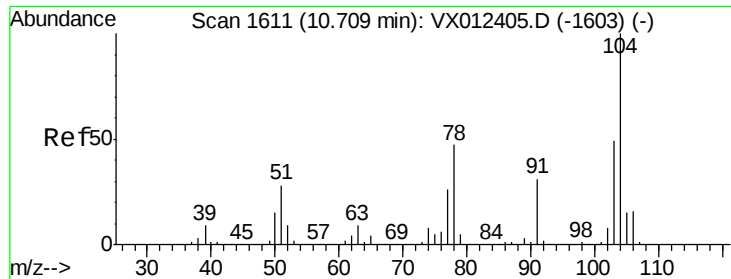
Tgt Ion:106 Resp: 305592  
Ion Ratio Lower Upper  
106 100  
91 210.3 167.4 251.0



#69  
o-Xylene  
Concen: 53.319 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion:106 Resp: 145731  
Ion Ratio Lower Upper  
106 100  
91 221.2 107.8 323.6





#70

Styrene

Concen: 53.539 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

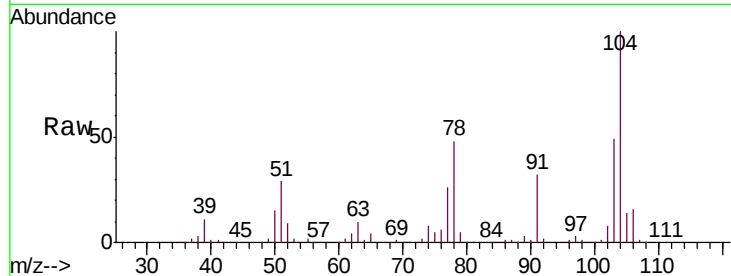
Tgt Ion:104 Resp: 253904

Ion Ratio Lower Upper

104 100

78 54.6 42.3 63.5

103 53.6 42.9 64.3



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

250000

200000

150000

100000

50000

0

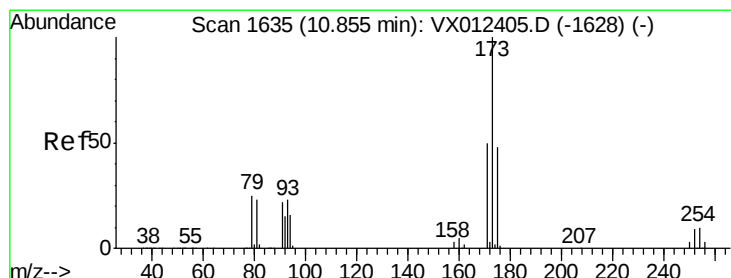
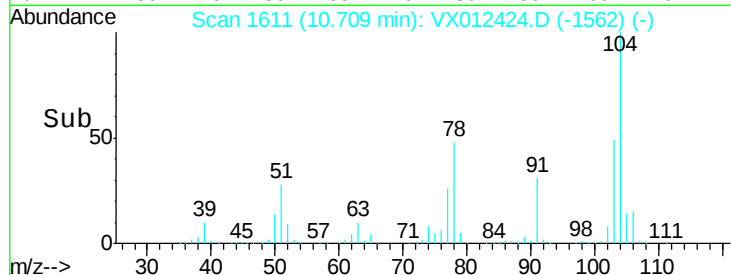
10.71

10.60

10.70

10.80

Time-->



#71

Bromoform

Concen: 44.523 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

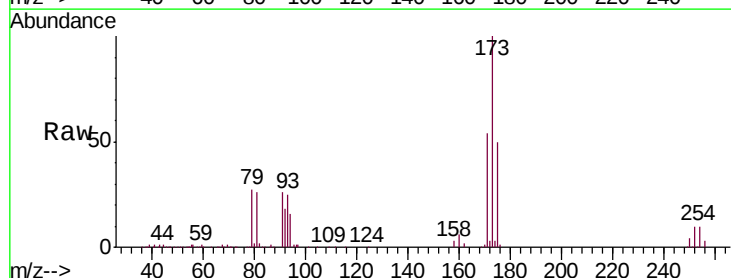
Tgt Ion:173 Resp: 68738

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

60000

40000

20000

0

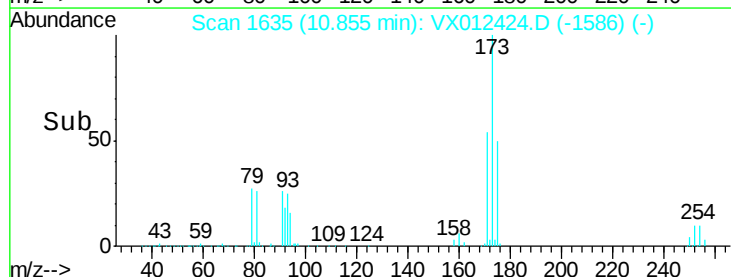
10.85

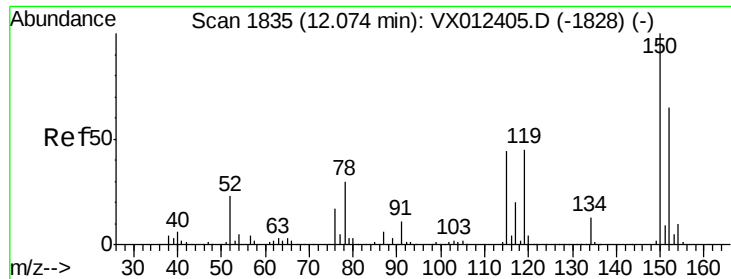
10.80

10.85

10.90

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

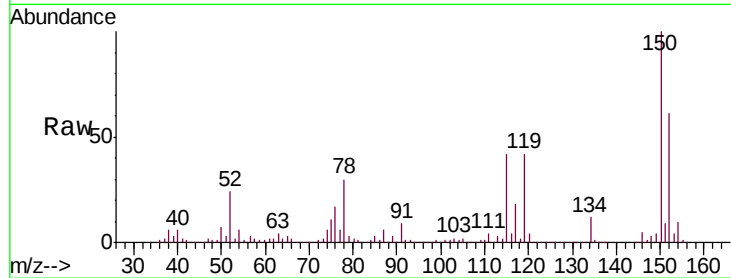
Tgt Ion:152 Resp: 107644

Ion Ratio Lower Upper

152 100

115 94.9 45.3 135.9

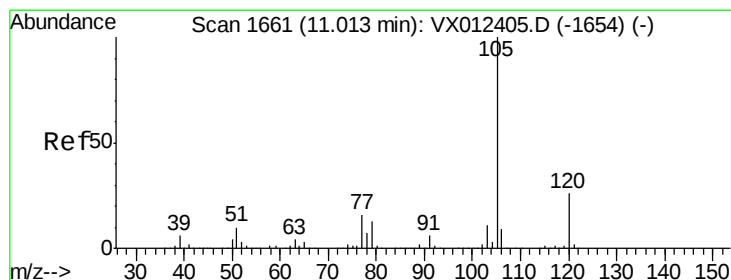
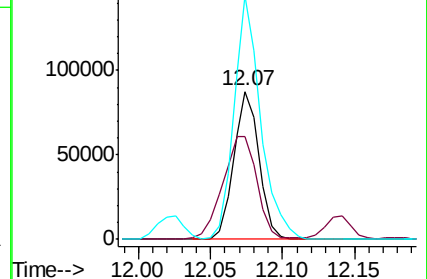
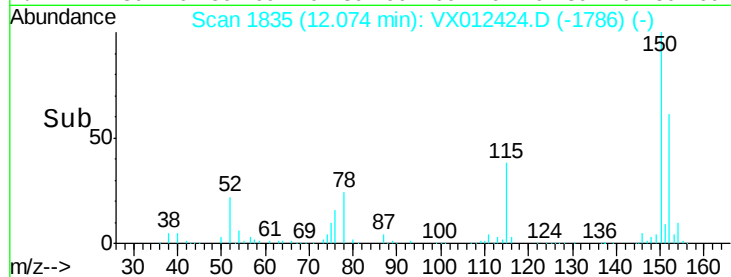
150 173.6 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 130.239 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012424.D

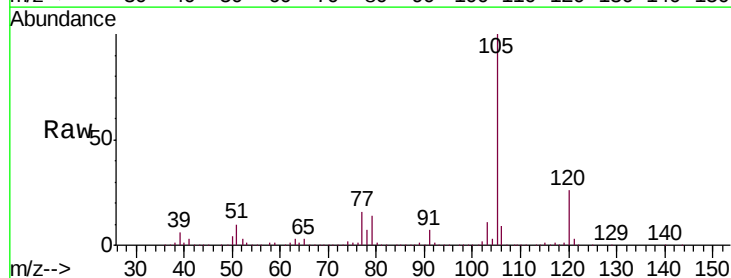
Acq: 16 Sep 2019 22:35

Tgt Ion:105 Resp: 973996

Ion Ratio Lower Upper

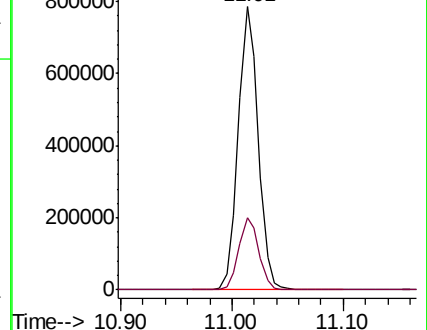
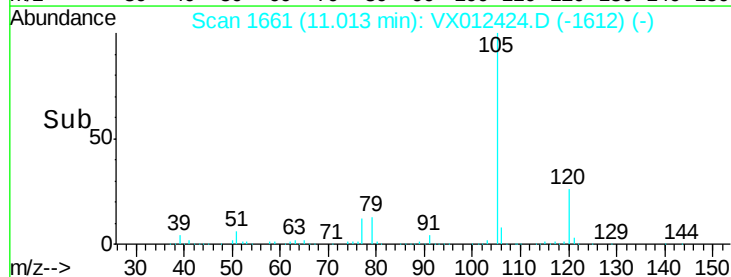
105 100

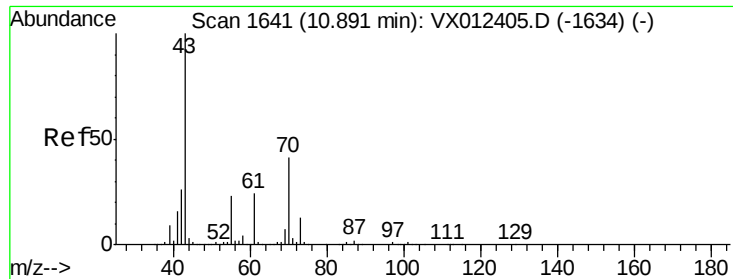
120 25.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 55.404 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampled :

S13-0282MSD

Tgt Ion: 43 Resp: 219637

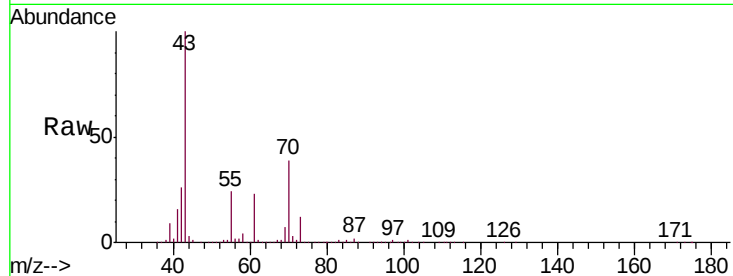
Ion Ratio Lower Upper

43 100

70 39.6 32.7 49.1

55 26.3 18.9 28.3

61 22.7 19.0 28.4

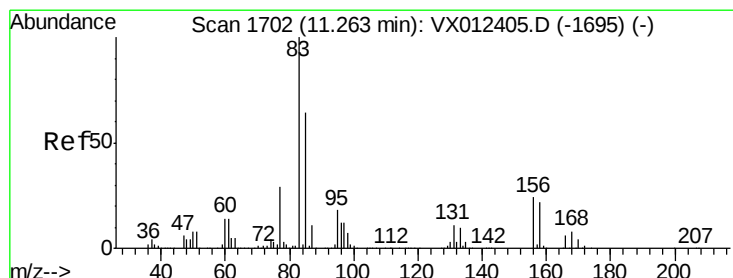
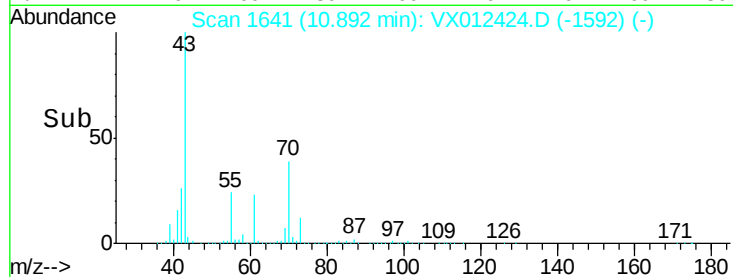
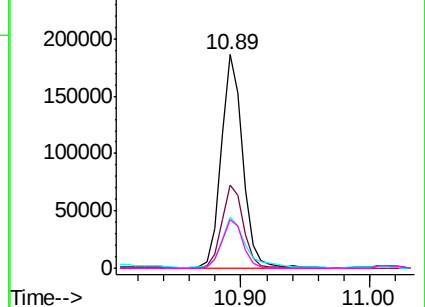


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 51.718 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

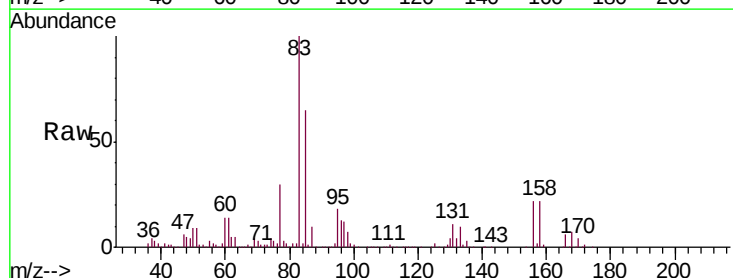
Tgt Ion: 83 Resp: 155094

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

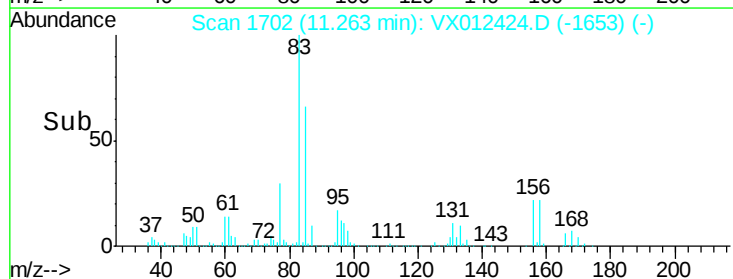
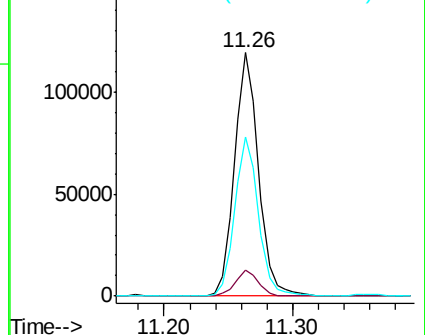
85 65.0 32.9 98.7

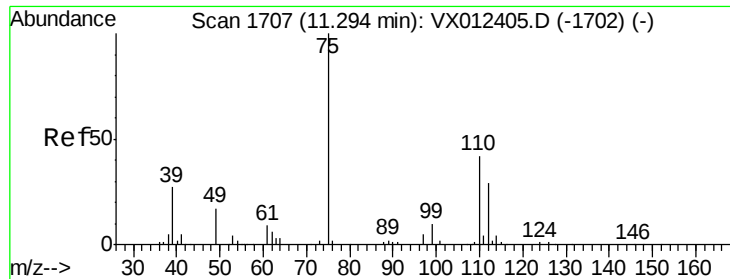


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

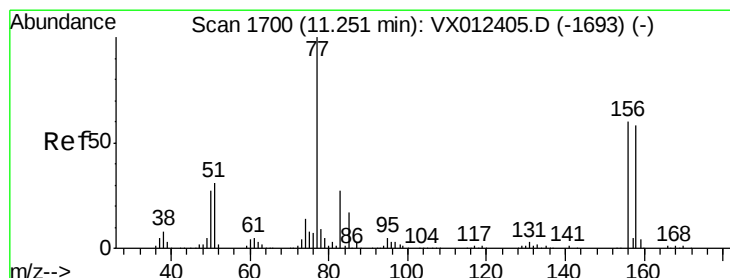
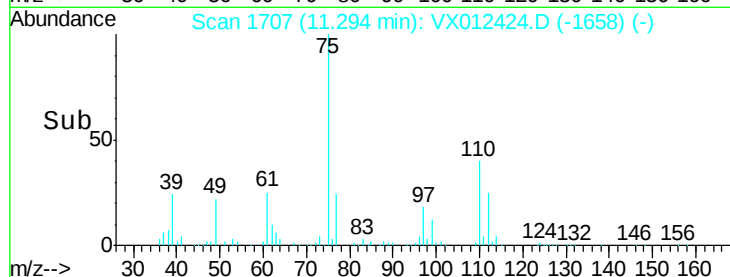
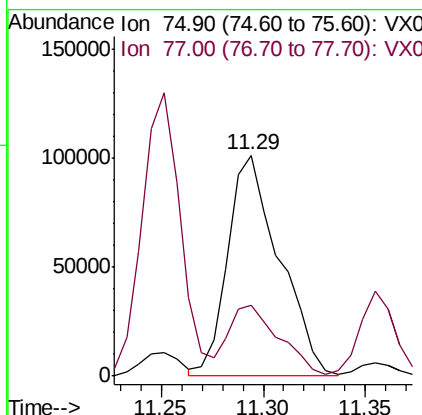
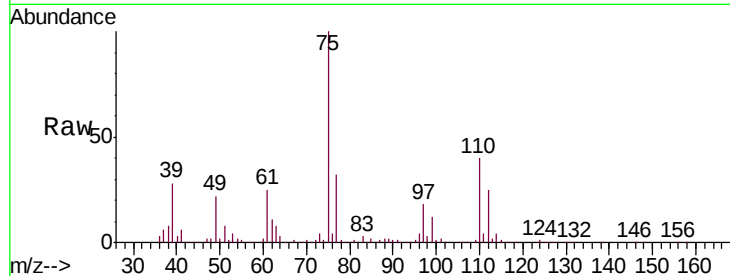




#76  
 1,2,3-Trichloropropane  
 Concen: 63.921 ug/l  
 RT: 11.29 min Scan# 1707  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

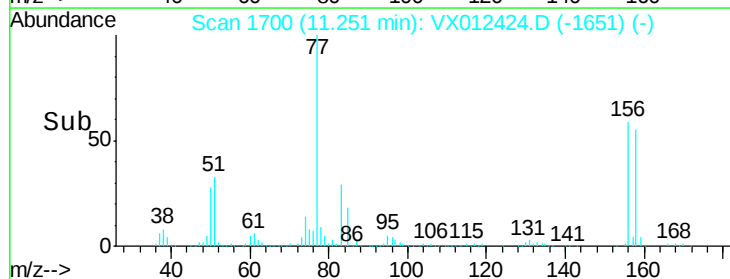
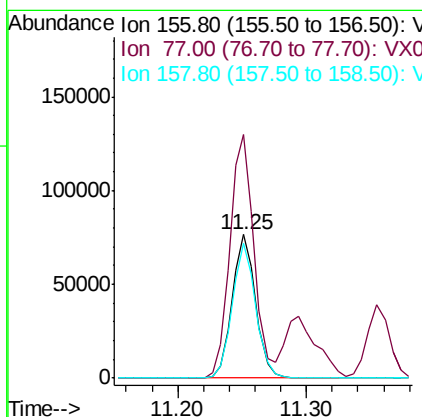
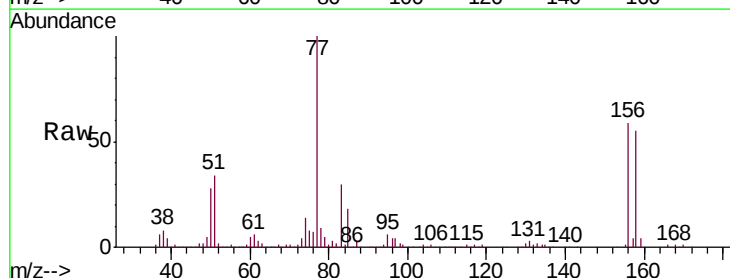
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

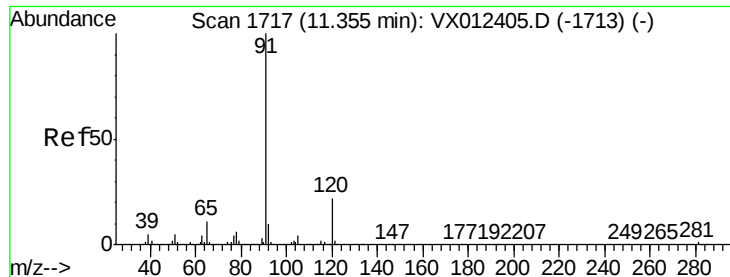
Tgt Ion: 75 Resp: 177869  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 19.4 58.2



#77  
 Bromobenzene  
 Concen: 50.267 ug/l  
 RT: 11.25 min Scan# 1700  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion: 156 Resp: 96794  
 Ion Ratio Lower Upper  
 156 100  
 77 175.4 84.8 254.3  
 158 94.4 47.9 143.6

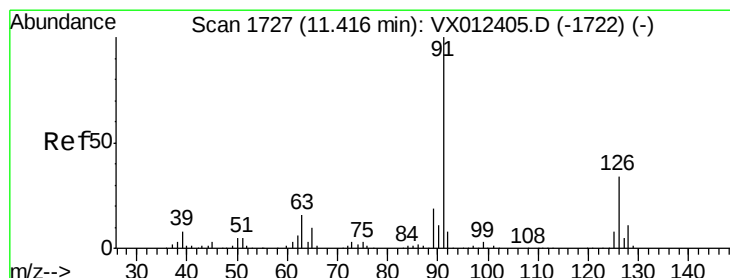
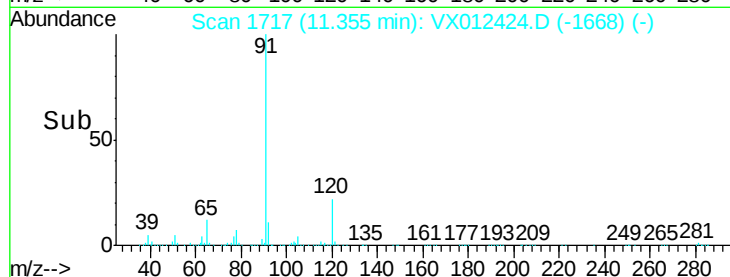
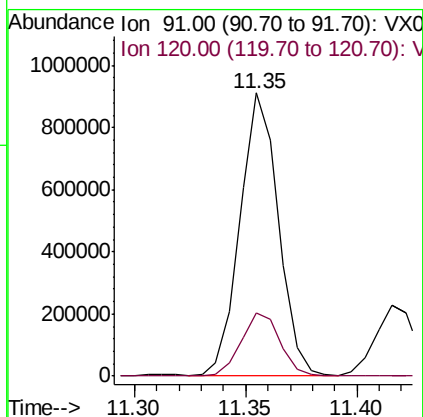
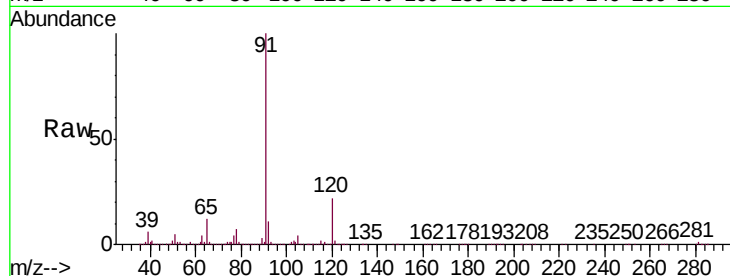




#78  
n-propylbenzene  
Concen: 129.150 ug/l  
RT: 11.35 min Scan# 1717  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

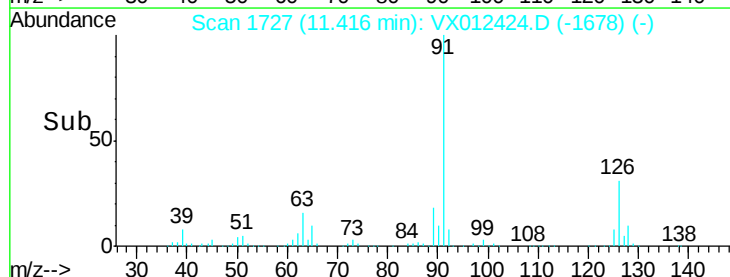
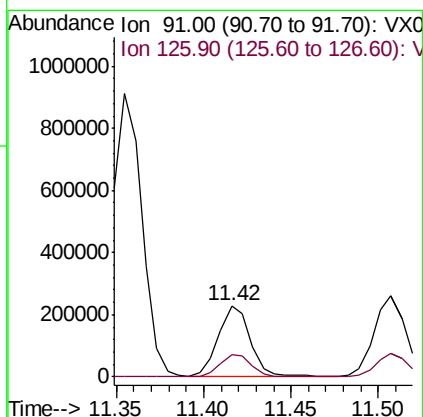
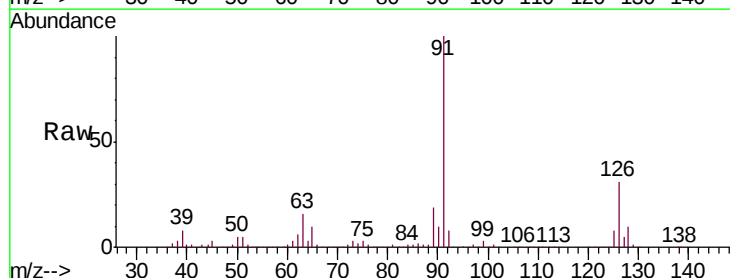
Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

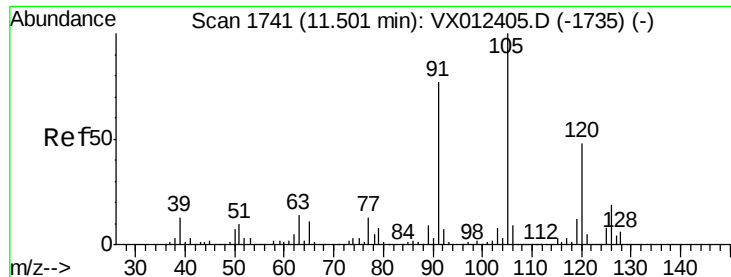
Tgt Ion: 91 Resp: 1091563  
Ion Ratio Lower Upper  
91 100  
120 22.9 11.5 34.4



#79  
2-Chlorotoluene  
Concen: 53.654 ug/l  
RT: 11.42 min Scan# 1727  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 91 Resp: 291115  
Ion Ratio Lower Upper  
91 100  
126 30.9 16.4 49.2

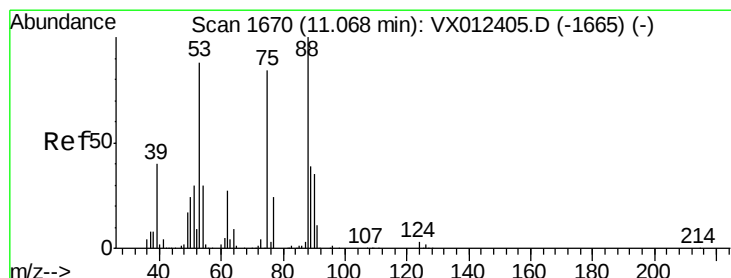
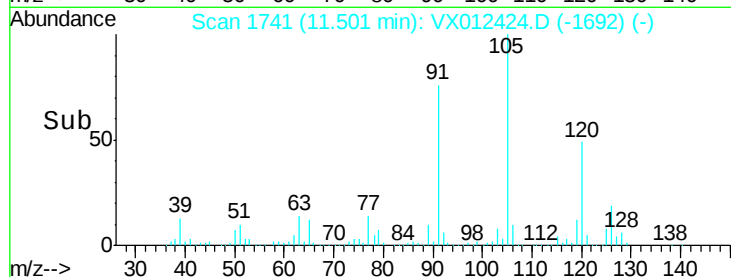
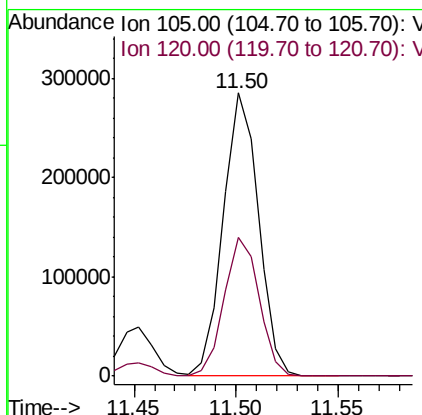
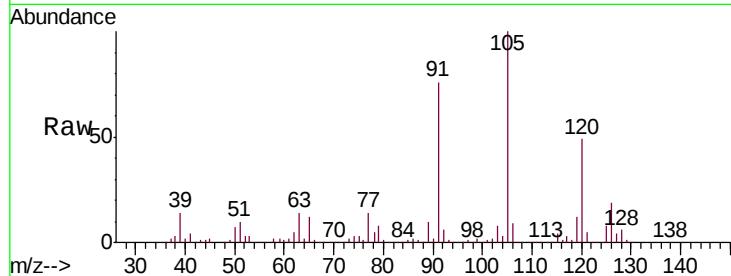




#80  
 1,3,5-Trimethylbenzene  
 Concen: 52.350 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

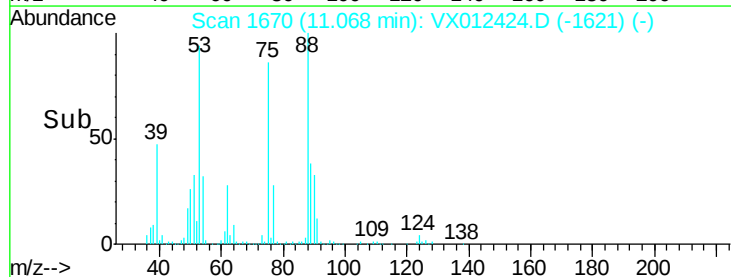
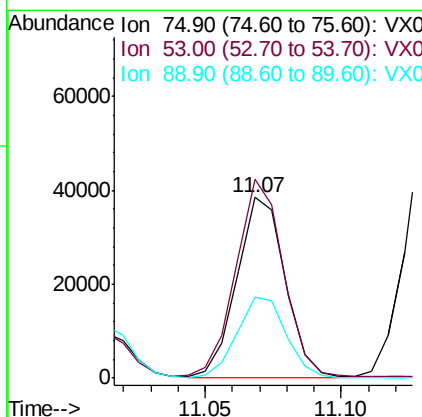
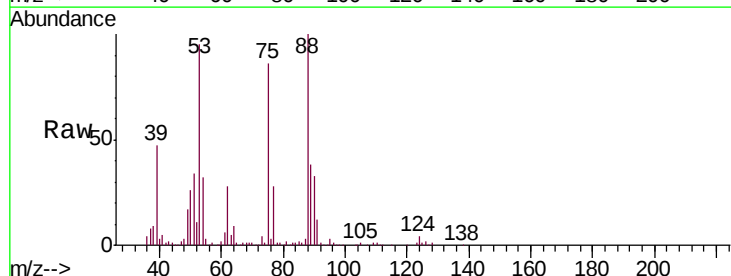
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

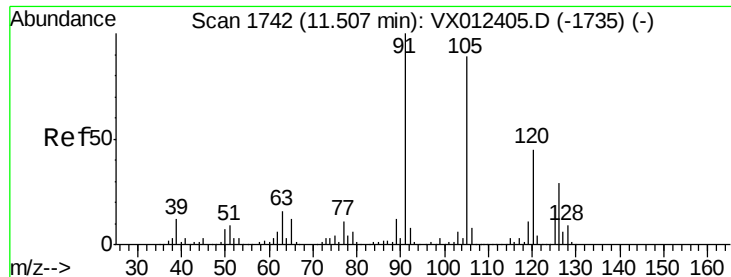
Tgt Ion: 105 Resp: 340915  
 Ion Ratio Lower Upper  
 105 100  
 120 48.7 24.3 72.9



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 48.271 ug/l  
 RT: 11.07 min Scan# 1670  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion: 75 Resp: 47582  
 Ion Ratio Lower Upper  
 75 100  
 53 108.8 84.6 127.0  
 89 46.1 38.8 58.2

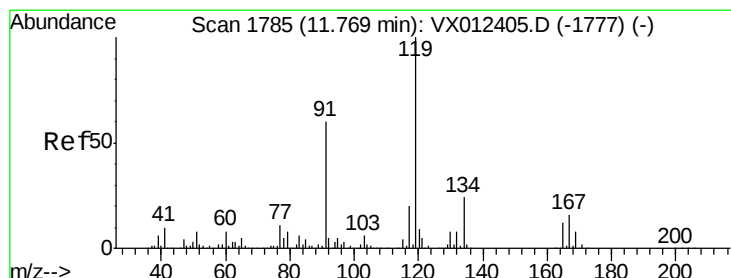
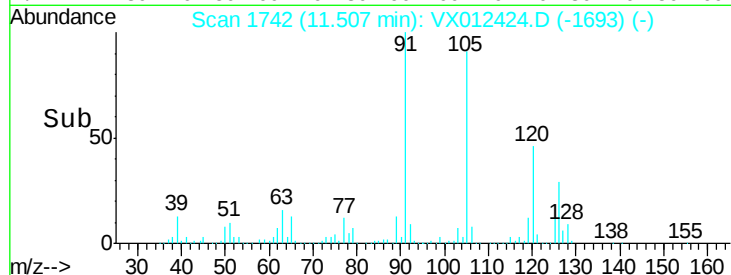
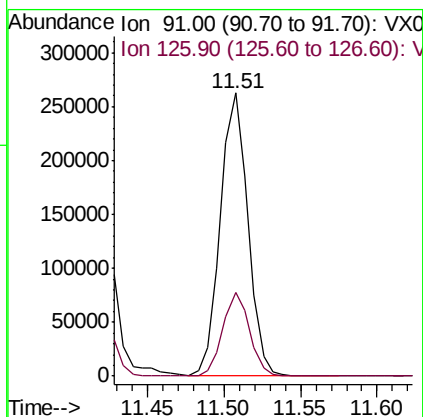
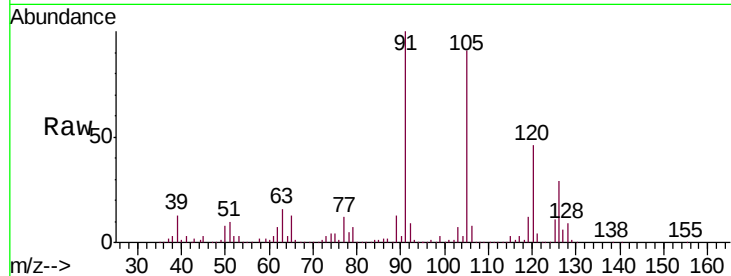




#82  
4-Chlorotoluene  
Concen: 51.829 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

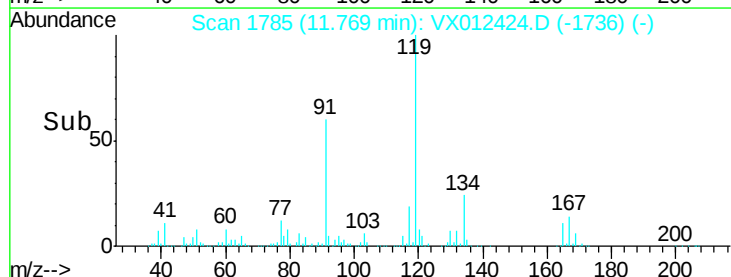
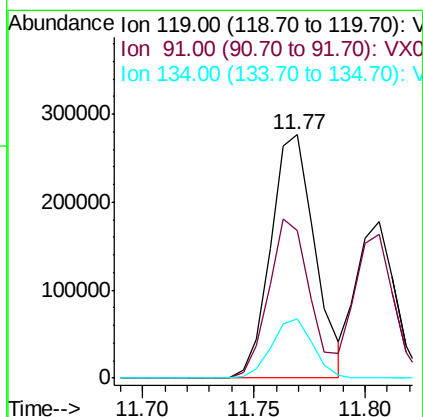
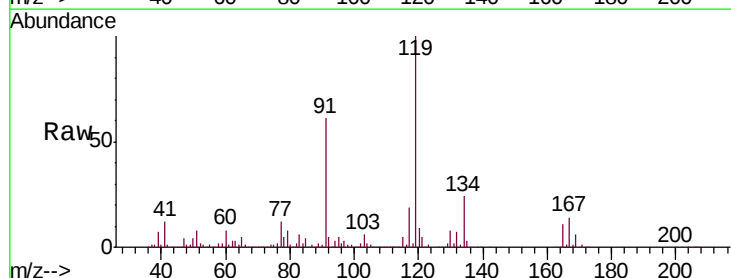
Instrument :  
MSVOA\_X  
ClientSampled :  
S13-0282MSD

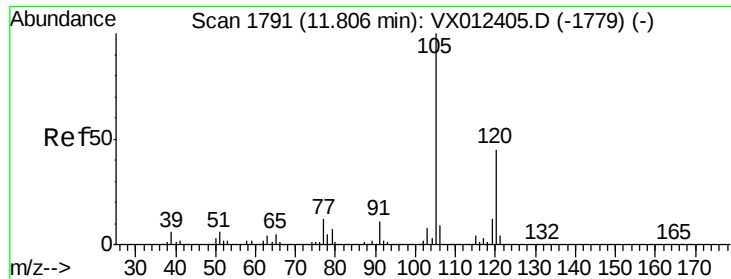
Tgt Ion: 91 Resp: 327936  
Ion Ratio Lower Upper  
91 100  
126 28.5 14.1 42.3



#83  
tert-Butylbenzene  
Concen: 55.043 ug/l  
RT: 11.77 min Scan# 1785  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion: 119 Resp: 380206  
Ion Ratio Lower Upper  
119 100  
91 62.0 29.6 88.8  
134 22.8 11.4 34.1

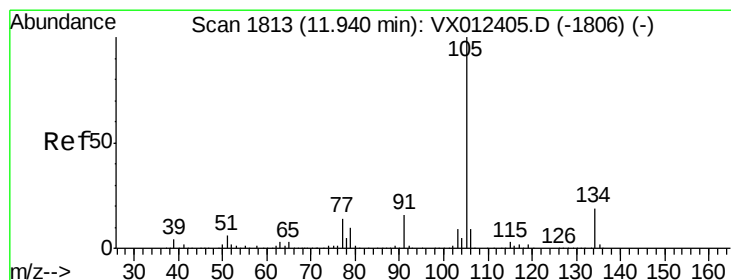
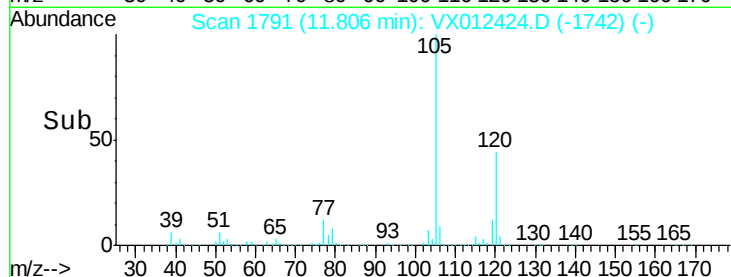
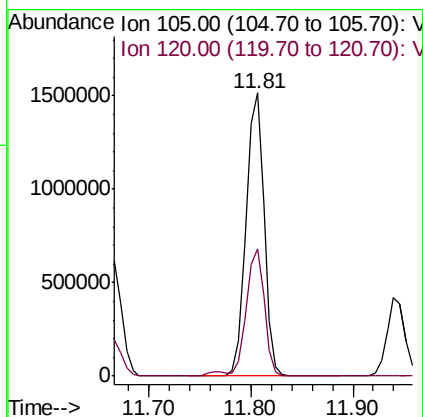
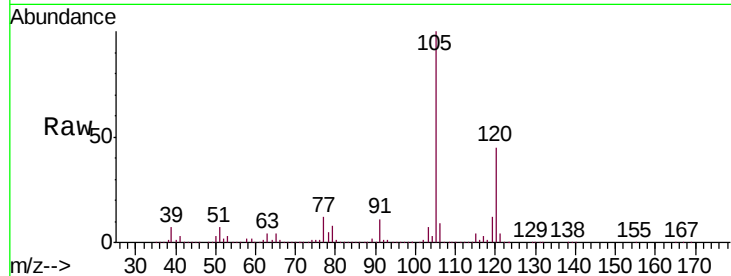




#84  
 1,2,4-Trimethylbenzene  
 Concen: 280.527 ug/l  
 RT: 11.81 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

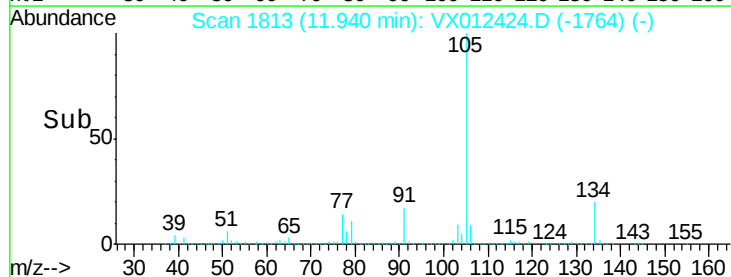
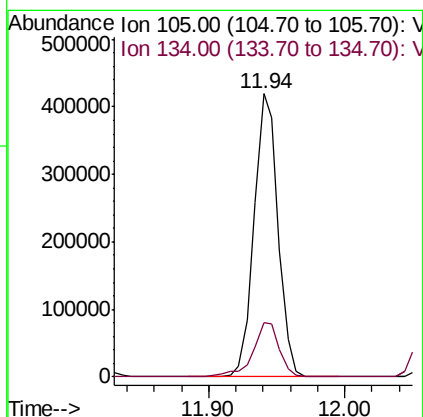
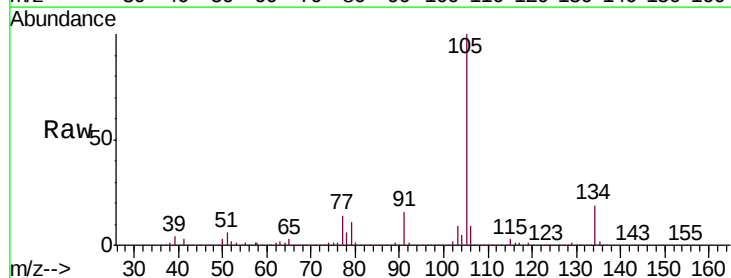
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

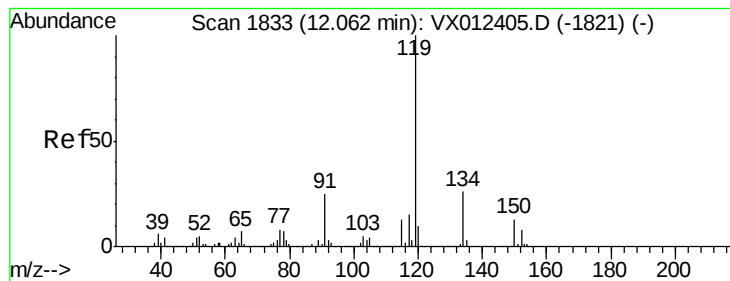
Tgt Ion:105 Resp: 1853682  
 Ion Ratio Lower Upper  
 105 100  
 120 44.7 22.1 66.5



#85  
 sec-Butylbenzene  
 Concen: 67.748 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion:105 Resp: 517367  
 Ion Ratio Lower Upper  
 105 100  
 134 21.5 10.1 30.1





#86

p-Isopropyltoluene

Concen: 58.151 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

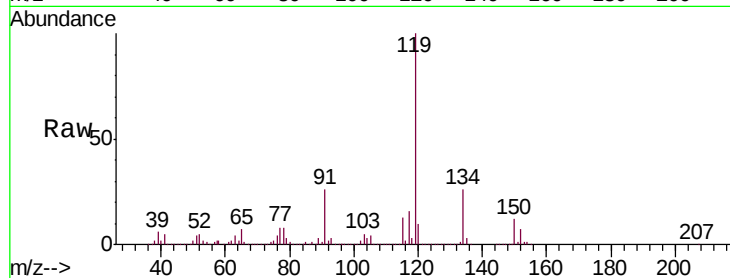
Tgt Ion:119 Resp: 406852

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

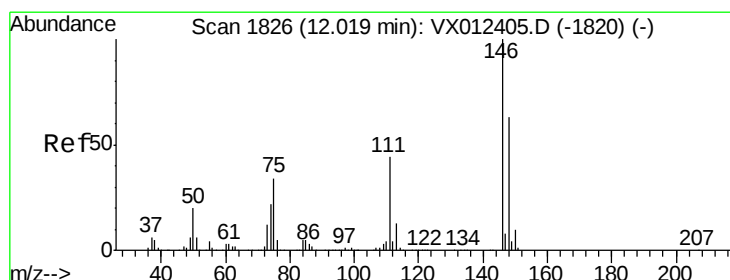
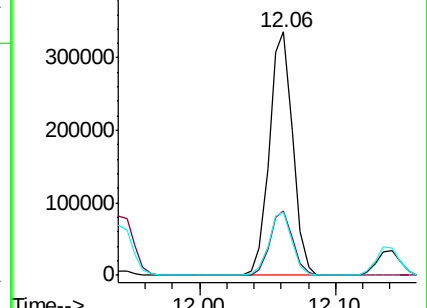
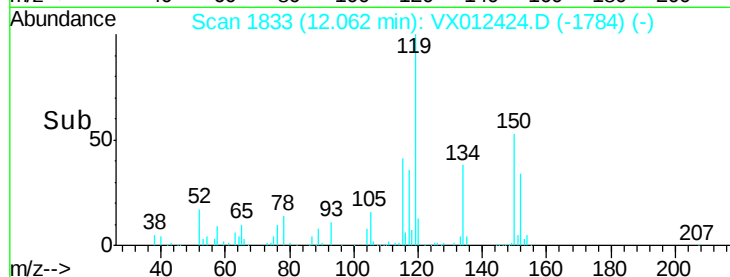
91 25.6 12.9 38.6



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



#87

1,3-Dichlorobenzene

Concen: 49.017 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

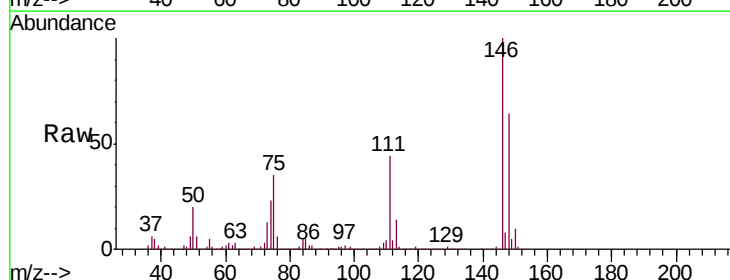
Tgt Ion:146 Resp: 176690

Ion Ratio Lower Upper

146 100

111 44.0 21.3 64.0

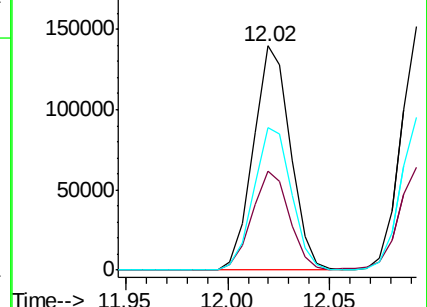
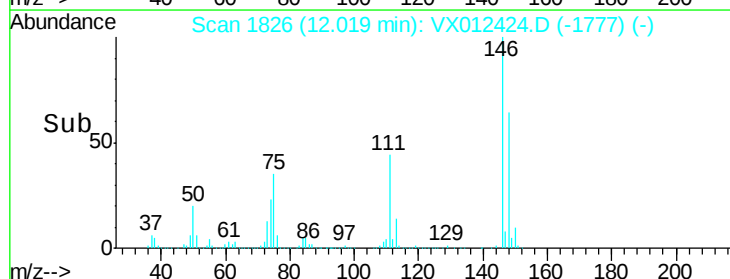
148 64.6 31.6 94.8

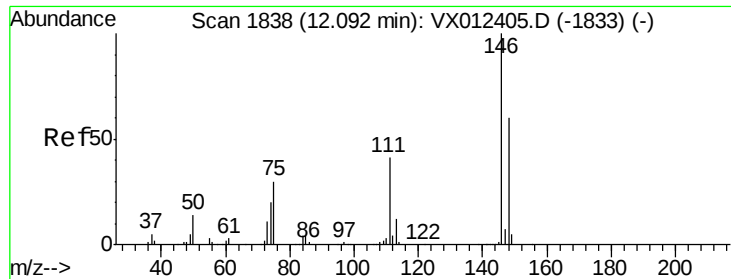


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

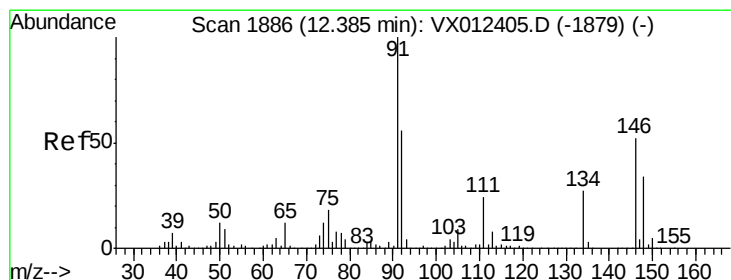
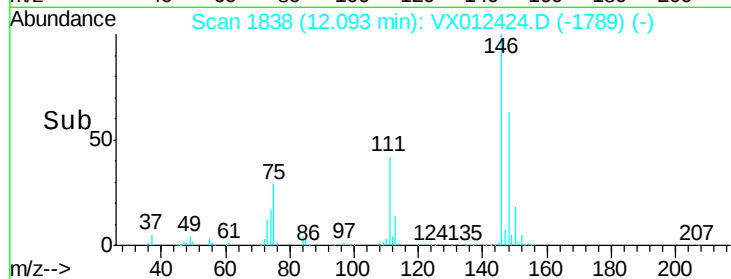
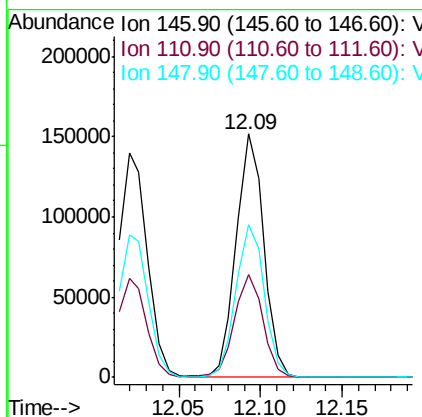
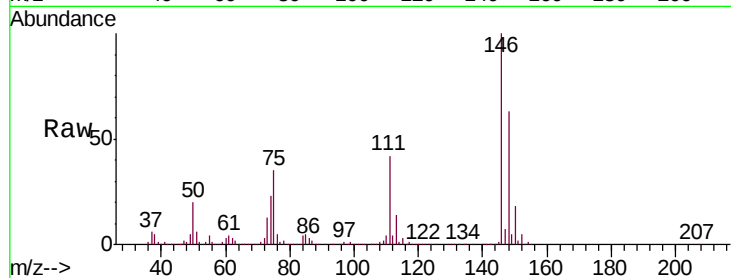




#88  
 1,4-Dichlorobenzene  
 Concen: 49.242 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

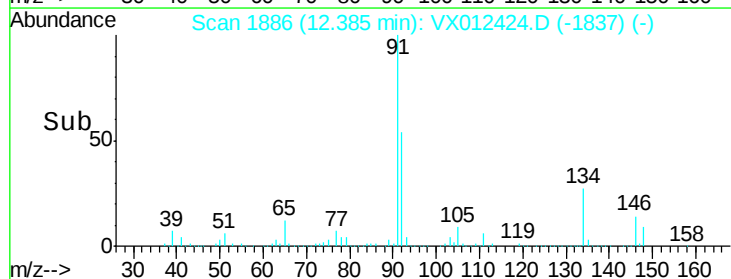
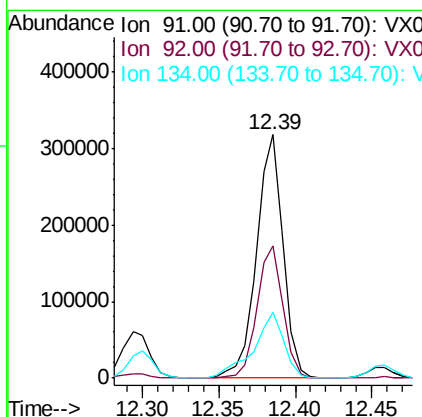
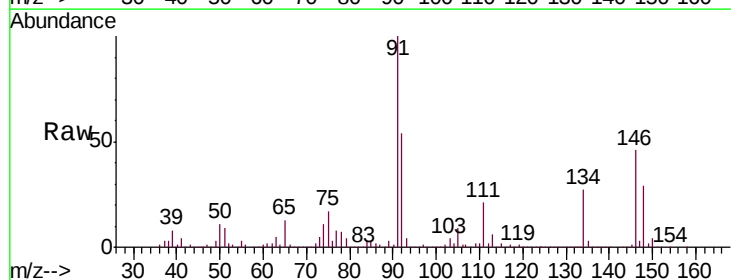
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

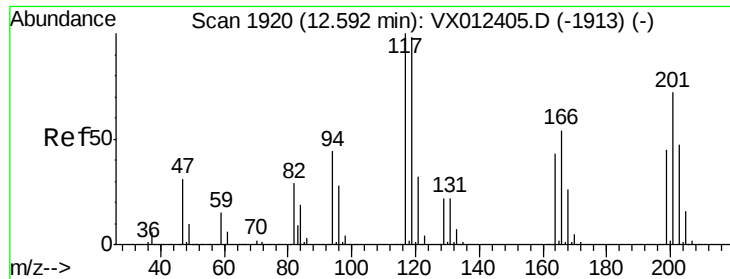
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.7  | 20.6  | 61.9  |
| 148     | 64.3  | 31.6  | 94.8  |



#89  
 n-Butylbenzene  
 Concen: 61.985 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.1  | 27.5  | 82.4  |
| 134     | 31.2  | 13.2  | 39.6  |

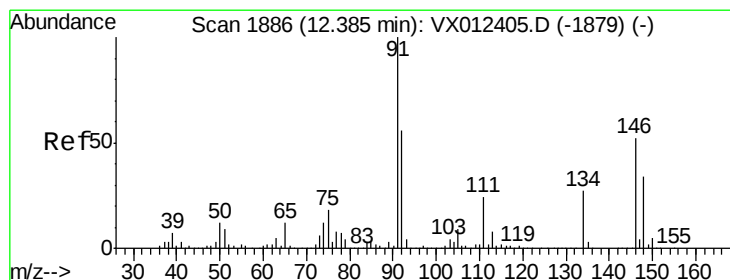
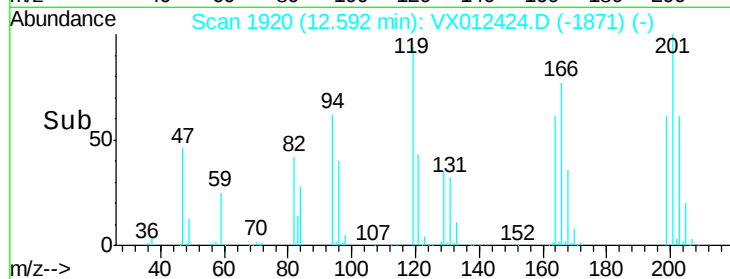
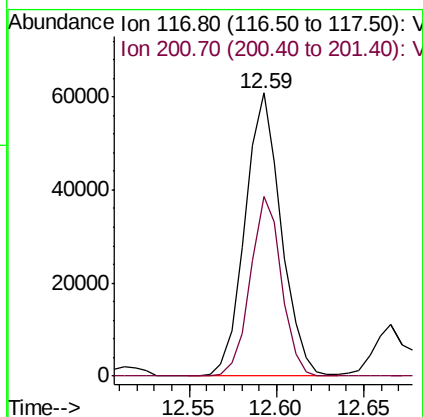
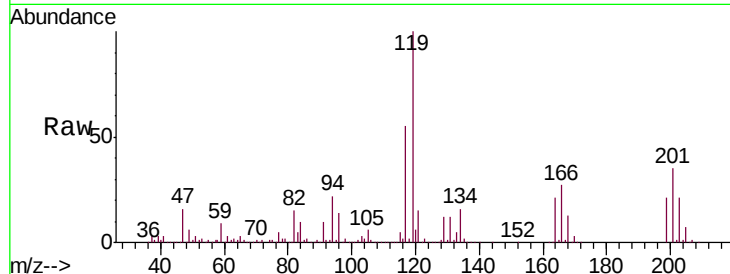




#90  
Hexachloroethane  
Concen: 64.572 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

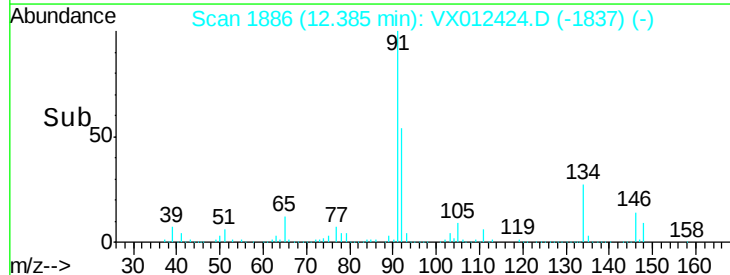
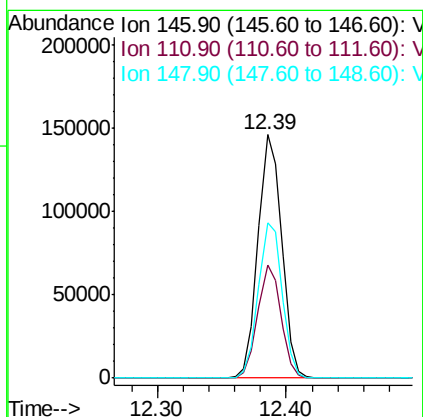
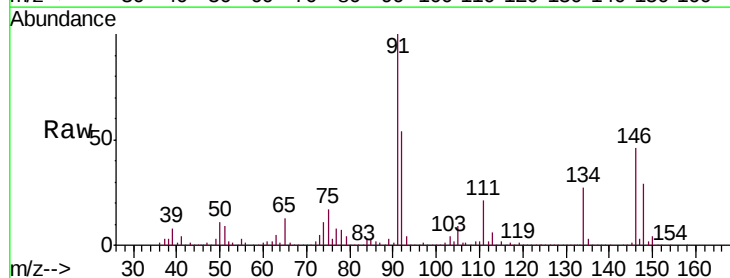
Instrument :  
MSVOA\_X  
ClientSampleId :  
S13-0282MSD

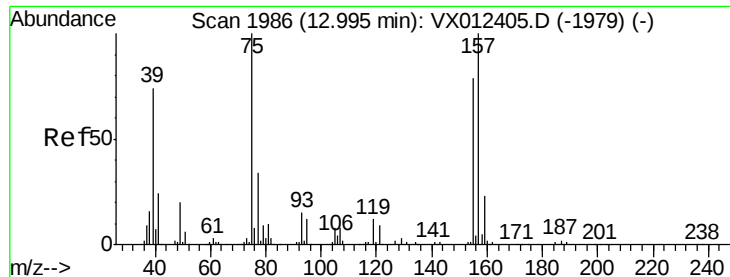
Tgt Ion:117 Resp: 87339  
Ion Ratio Lower Upper  
117 100  
201 54.7 35.2 105.6



#91  
1,2-Dichlorobenzene  
Concen: 49.982 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX012424.D  
Acq: 16 Sep 2019 22:35

Tgt Ion:146 Resp: 184430  
Ion Ratio Lower Upper  
146 100  
111 46.0 22.3 66.9  
148 64.4 32.0 96.0

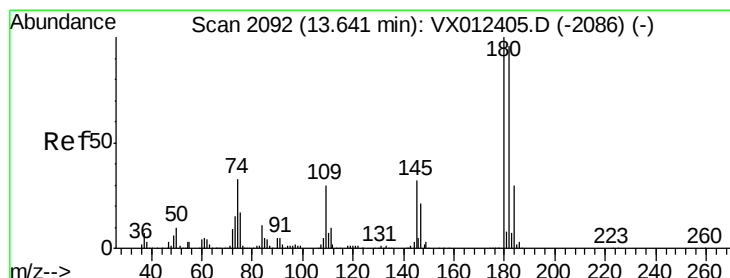
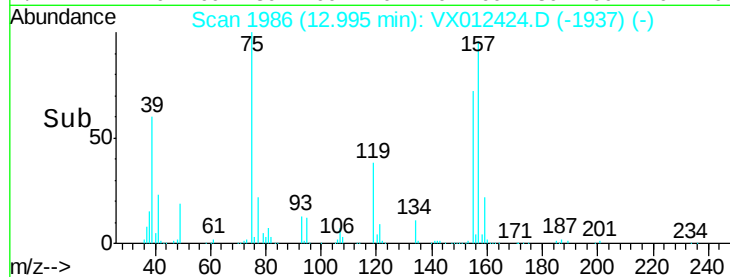
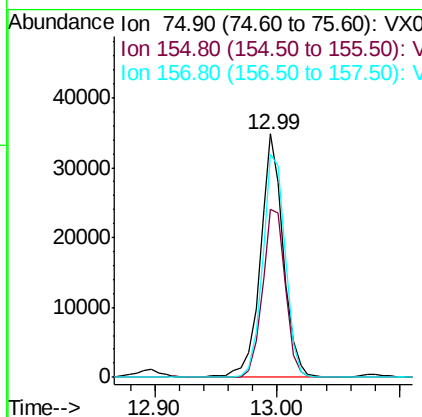
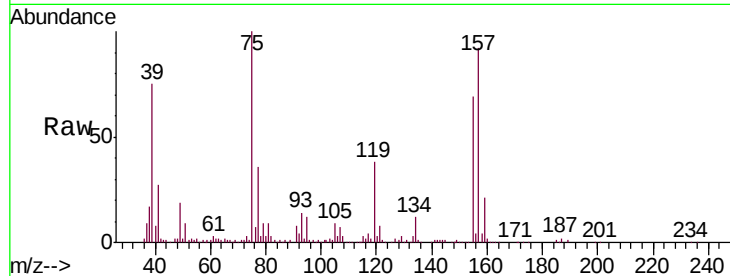




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 57.433 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

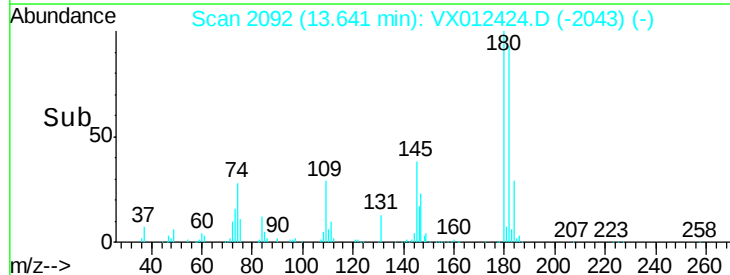
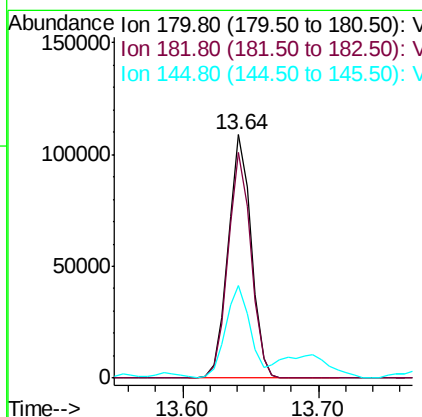
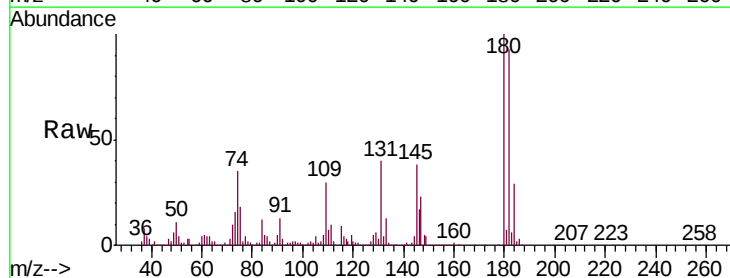
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

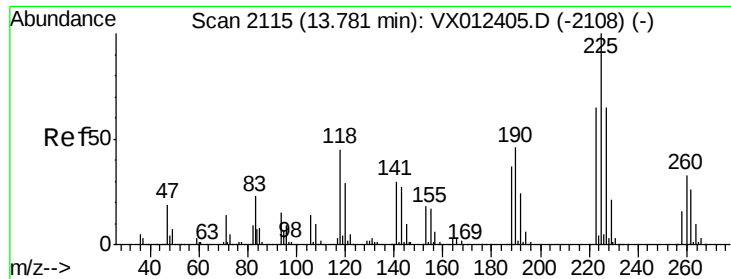
Tgt Ion: 75 Resp: 45495  
 Ion Ratio Lower Upper  
 75 100  
 155 68.6 39.8 119.4  
 157 89.8 50.0 150.1



#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.633 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Tgt Ion: 180 Resp: 127481  
 Ion Ratio Lower Upper  
 180 100  
 182 92.8 48.1 144.4  
 145 41.7 16.6 49.7





#94

Hexachlorobutadiene

Concen: 48.269 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA\_X

ClientSampleId :

S13-0282MSD

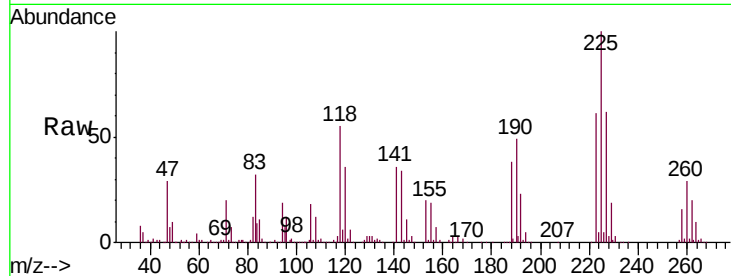
Tgt Ion:225 Resp: 57389

Ion Ratio Lower Upper

225 100

223 61.1 32.0 96.0

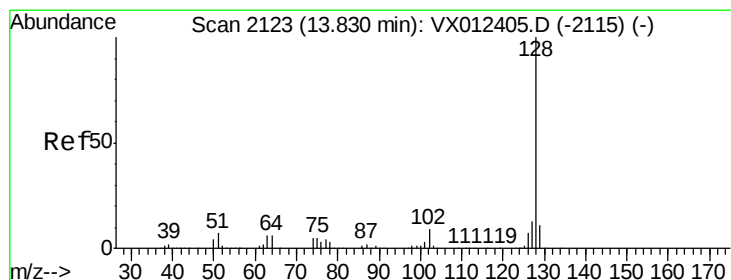
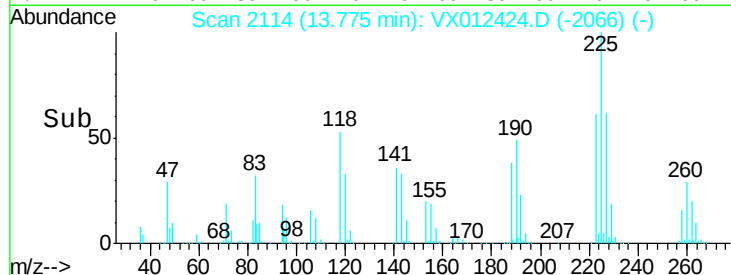
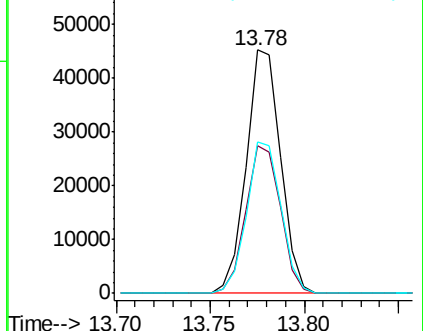
227 62.3 32.8 98.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 89.155 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

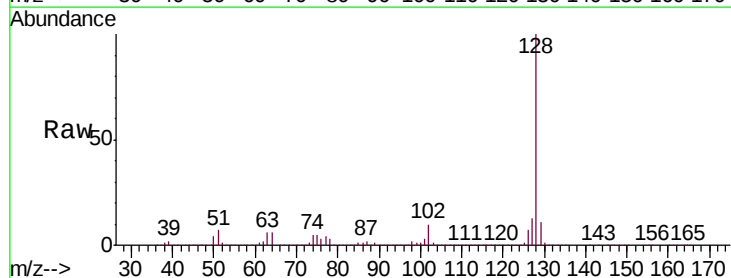
Tgt Ion:128 Resp: 815198

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

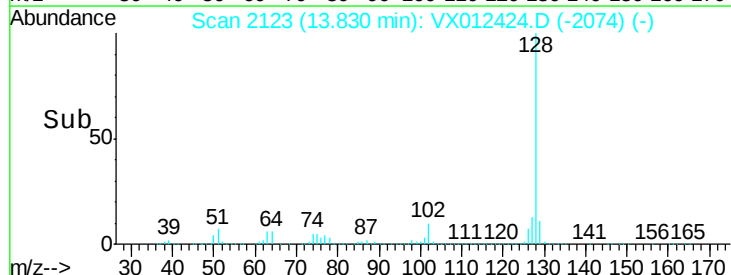
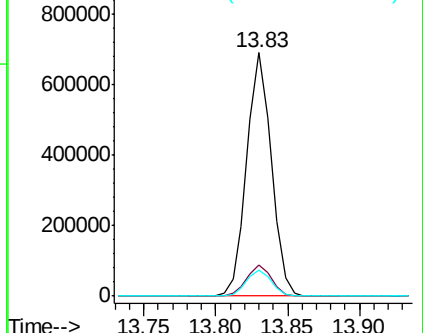
129 11.3 8.6 13.0

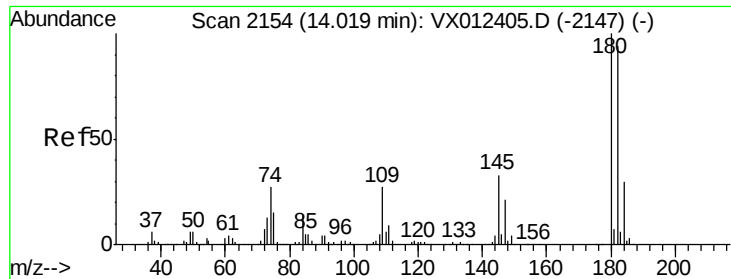


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

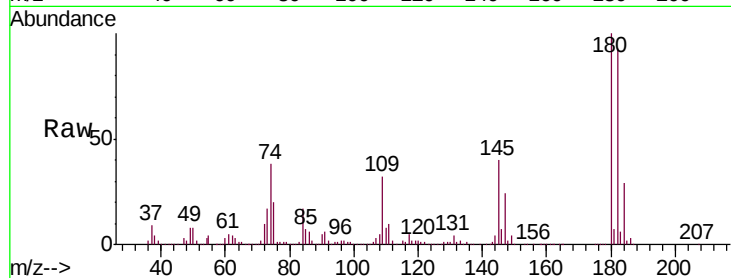




#96  
 1,2,3-Trichlorobenzene  
 Concen: 52.278 ug/l  
 RT: 14.01 min Scan# 2153  
 Delta R.T. -0.01 min  
 Lab File: VX012424.D  
 Acq: 16 Sep 2019 22:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S13-0282MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 46.9  | 140.8 |
| 145     | 42.9  | 17.6  | 52.9  |



Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.90 (144.60 to 145.60): V

