

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\  
 Data File : VX013487.D  
 Acq On : 20 Nov 2019 19:05  
 Operator : JC/SP  
 Sample : K5958-04MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 21 00:51:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 583441   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 890210   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 804329   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 417450   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 324308   | 46.92 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.84%  |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 269370   | 48.24 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.48%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 1014669  | 48.20 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.40%  |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 383679   | 50.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.02% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 298966  | 44.473  | ug/l | 99     |
| 3) Chloromethane              | 1.31 | 50  | 313801  | 43.045  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 387455  | 46.685  | ug/l | 100    |
| 5) Bromomethane               | 1.62 | 94  | 217229  | 37.559  | ug/l | 98     |
| 6) Chloroethane               | 1.70 | 64  | 216419  | 45.510  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 1.91 | 101 | 448471  | 45.737  | ug/l | 100    |
| 8) Diethyl Ether              | 2.18 | 74  | 208746  | 48.142  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 272440  | 49.851  | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 262343  | 38.772  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.05 | 59  | 597211  | 327.811 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 268878  | 50.240  | ug/l | 99     |
| 13) Acrolein                  | 2.28 | 56  | 222101  | 224.942 | ug/l | 97     |
| 14) Allyl chloride            | 2.72 | 41  | 507086  | 52.148  | ug/l | 95     |
| 15) Acrylonitrile             | 3.13 | 53  | 986594  | 289.913 | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 920785  | 267.077 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.56 | 76  | 640341  | 44.703  | ug/l | 99     |
| 18) Methyl Acetate            | 2.76 | 43  | 556008  | 58.415  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 971052  | 54.401  | ug/l | 100    |
| 20) Methylene Chloride        | 2.84 | 84  | 314585  | 49.386  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 290321  | 49.822  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.84 | 45  | 1009650 | 53.781  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.80 | 43  | 4160340 | 258.981 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 541947  | 51.604  | ug/l | 99     |
| 25) 2-Butanone                | 4.66 | 43  | 1463610 | 289.380 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 424189  | 50.773  | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 349347  | 53.518  | ug/l | 98     |
| 28) Bromochloromethane        | 5.01 | 49  | 148239  | 49.714  | ug/l | 98     |
| 29) Tetrahydrofuran           | 5.12 | 42  | 915574  | 293.756 | ug/l | 99     |
| 30) Chloroform                | 5.20 | 83  | 565218  | 54.505  | ug/l | 95     |
| 31) Cyclohexane               | 5.57 | 56  | 473858  | 50.144  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 456417  | 51.143  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 391927  | 51.320  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.82 | 43  | 514290  | 54.499  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 383069  | 51.295  | ug/l | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112019\  
 Data File : VX013487.D  
 Acq On : 20 Nov 2019 19:05  
 Operator : JC/SP  
 Sample : K5958-04MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 21 00:51:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| -----                          |       |      |          |          |        |          |
| 39) Methylcyclohexane          | 7.45  | 83   | 558798   | 58.723   | ug/l   | 98       |
| 40) Benzene                    | 6.13  | 78   | 1249519  | 52.526   | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.03  | 41   | 289831   | 54.796   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 440337   | 51.317   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 816446   | 55.561   | ug/l   | 99       |
| 44) Trichloroethene            | 7.20  | 130  | 336429   | 51.377   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 322212   | 53.159   | ug/l   | 99       |
| 46) Dibromomethane             | 7.65  | 93   | 213837   | 51.670   | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.89  | 83   | 425185   | 54.484   | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 410399   | 55.949   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 210170   | 1251.133 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 2842709  | 294.860  | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 779844   | 52.892   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 476570   | 55.847   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 520335   | 54.510   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 325893   | 53.327   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 562136   | 53.758   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 552507   | 53.258   | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.49  | 43   | 2235576  | 300.067  | ug/l   | 97       |
| 60) Dibromochloromethane       | 9.58  | 129  | 348851   | 55.815   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 345427   | 53.229   | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 287521   | 49.935   | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 855820   | 52.556   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 321657   | 53.797   | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 6884457  | 244.960  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.35 | 106  | 3007962  | 282.999  | ug/l   | 97       |
| 69) o-Xylene                   | 10.70 | 106  | 1914065  | 183.939  | ug/l   | 98       |
| 70) Stvrene                    | 10.71 | 104  | 1035889  | 59.551   | ug/l # | 81       |
| 71) Bromoform                  | 10.85 | 173  | 279372   | 50.369   | ug/l   | 99       |
| 73) Isopropylbenzene           | 11.01 | 105  | 7689792  | 277.835  | ug/l   | 97       |
| 74) N-amyl acetate             | 10.89 | 43   | 808173   | 62.968   | ug/l # | 73       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 591358   | 58.567   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 636659   | 75.087   | ug/l   | 80       |
| 77) Bromobenzene               | 11.25 | 156  | 401807   | 54.457   | ug/l   | 98       |
| 78) n-propylbenzene            | 11.35 | 91   | 12323294 | 399.702  | ug/l   | 88       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 1309841  | 70.514   | ug/l   | 85       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 5358597  | 232.437  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 178696   | 54.247   | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 1569467  | 72.177   | ug/l   | 86       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 1857074  | 80.022   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 11.67 | 105  | 4995136  | 215.992  | ug/l   | 79       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 4192985  | 157.207  | ug/l   | 82       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 2538686  | 103.367  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 689600   | 52.432   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 698401   | 52.119   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 3000833  | 140.027  | ug/l # | 80       |
| 90) Hexachloroethane           | 12.59 | 117  | 595139   | 136.004  | ug/l # | 42       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 695037   | 52.867   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 158384   | 64.384   | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene     | 13.64 | 180  | 503239   | 54.875   | ug/l   | 95       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\  
Data File : VX013487.D  
Acq On : 20 Nov 2019 19:05  
Operator : JC/SP  
Sample : K5958-04MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 21 Sample Multiplier: 1

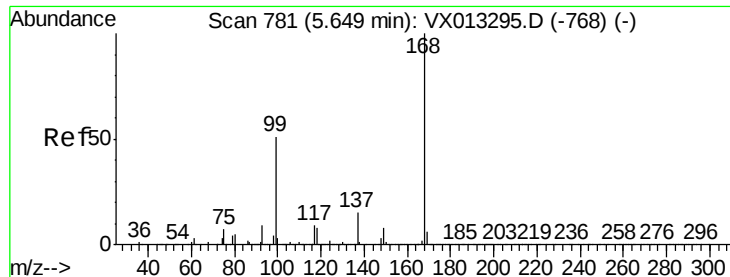
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 21 00:51:50 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 02 07:06:38 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 210112   | 46.831  | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 3596316  | 124.991 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 497652   | 54.111  | ug/l  | 98       |

(#) = 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: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

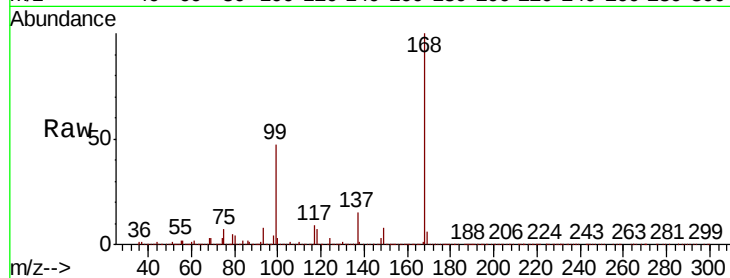
ClientSampleId :

Tot Ion:168 Resp: 583441

Ion Ratio Lower Upper

168 100

99 46.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

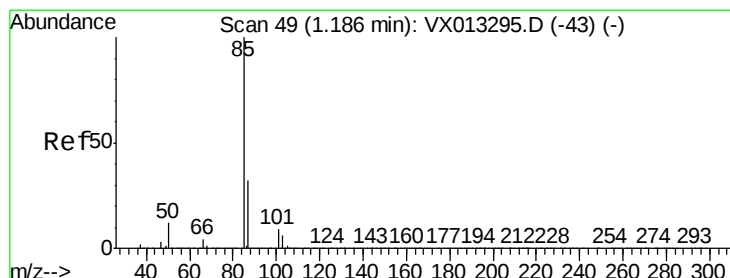
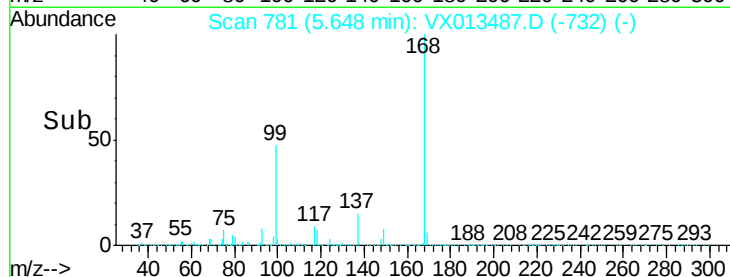
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.473 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013487.D

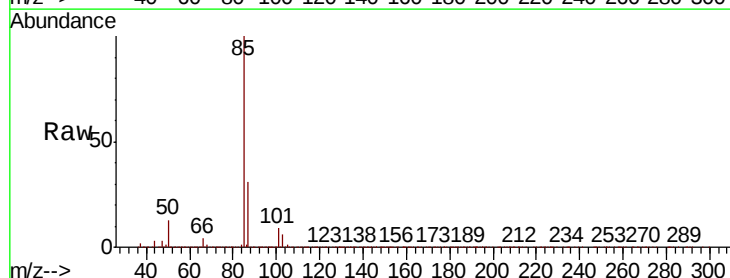
Acq: 20 Nov 2019 19:05

Tgt Ion: 85 Resp: 298966

Ion Ratio Lower Upper

85 100

87 31.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

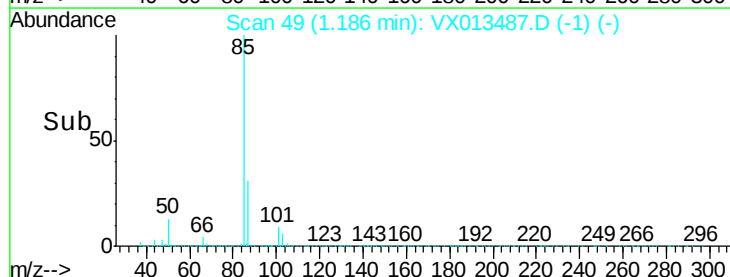
300000

200000

100000

0

Time-->





#3

Chloromethane

Concen: 43.045 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

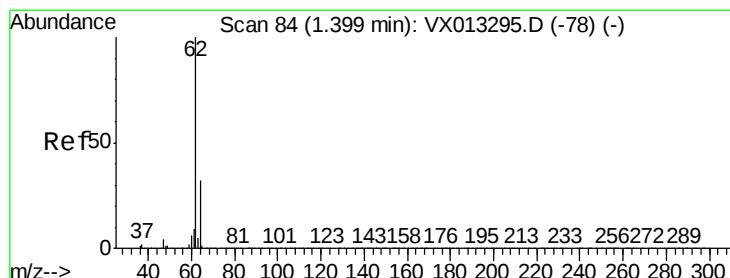
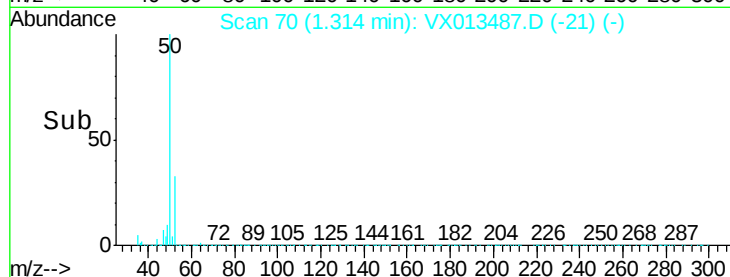
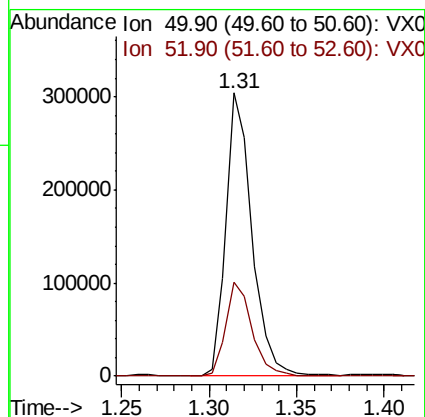
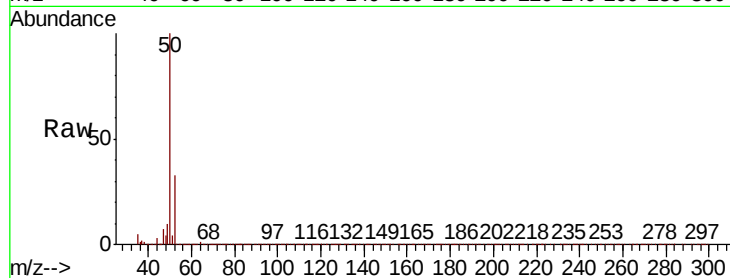
ClientSampleId :

Tot Ion: 50 Resp: 313801

Ion Ratio Lower Upper

50 100

52 33.1 25.5 38.3



#4

Vinyl Chloride

Concen: 46.685 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013487.D

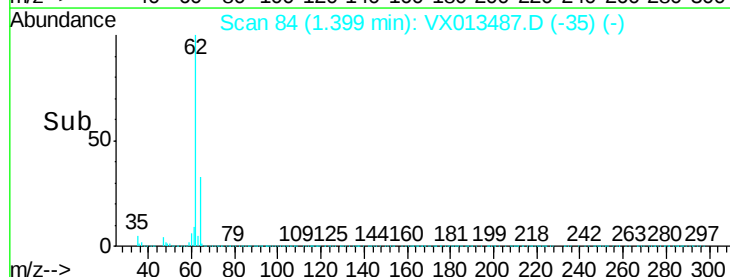
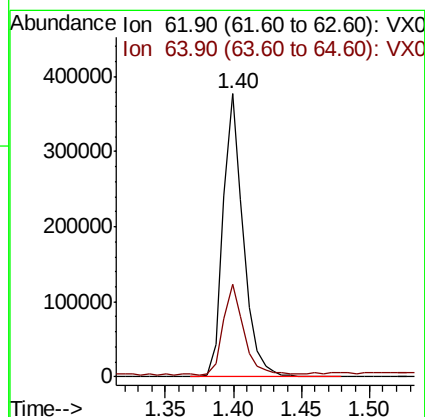
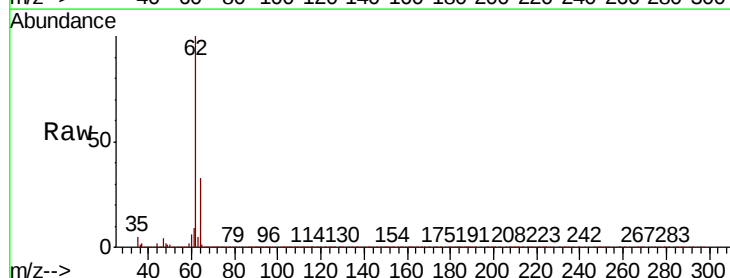
Acq: 20 Nov 2019 19:05

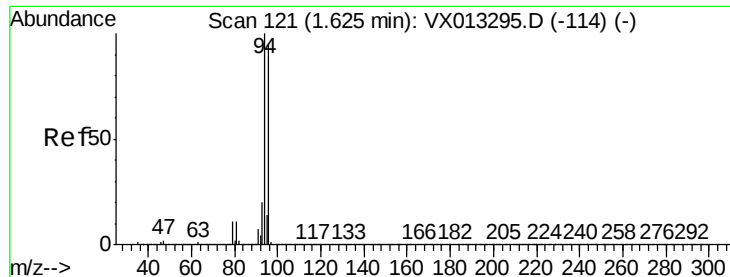
Tgt Ion: 62 Resp: 387455

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 37.559 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

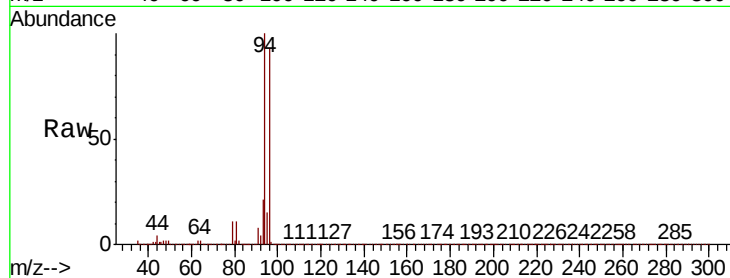
ClientSampleId :

Tot Ion: 94 Resp: 217229

Ion Ratio Lower Upper

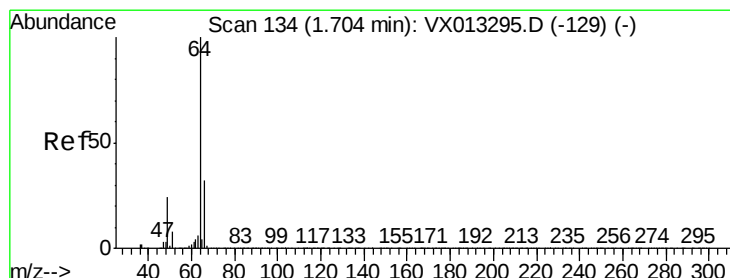
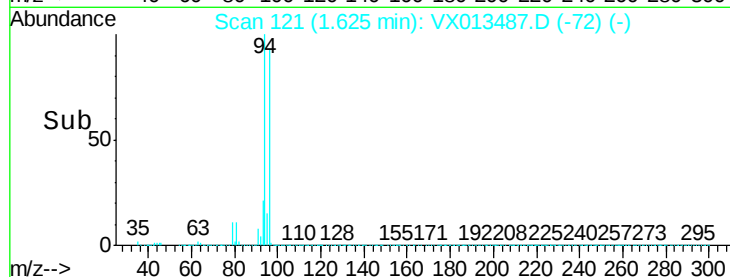
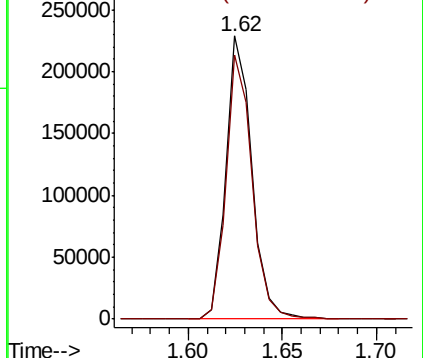
94 100

96 93.2 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.510 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX013487.D

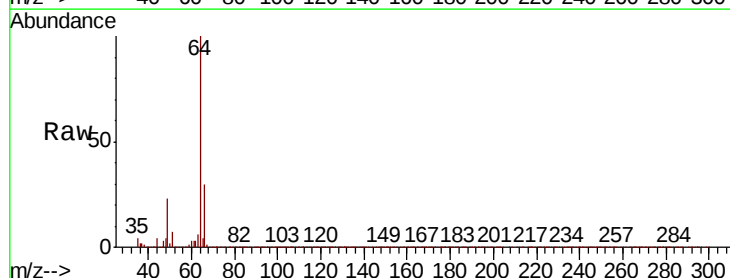
Acq: 20 Nov 2019 19:05

Tgt Ion: 64 Resp: 216419

Ion Ratio Lower Upper

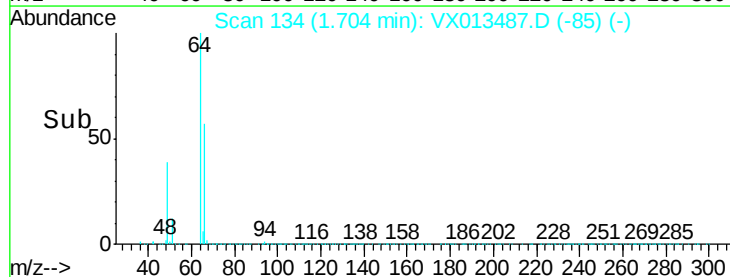
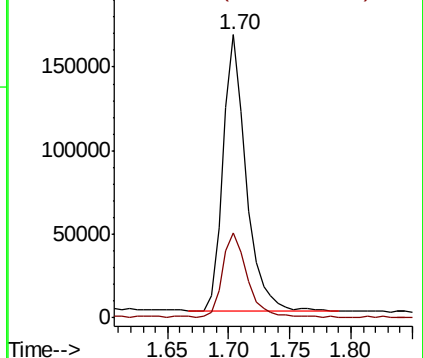
64 100

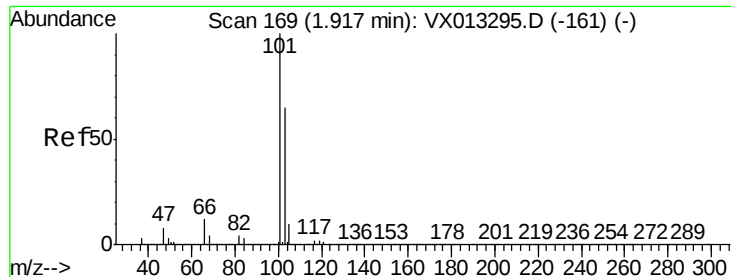
66 30.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



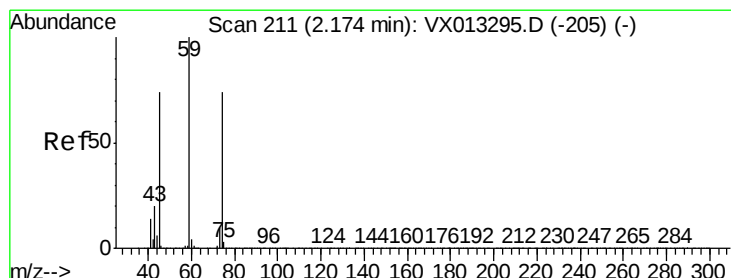
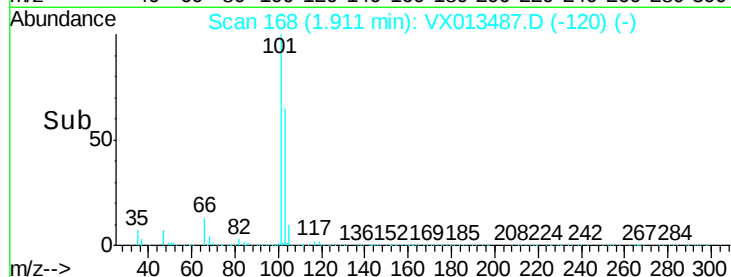
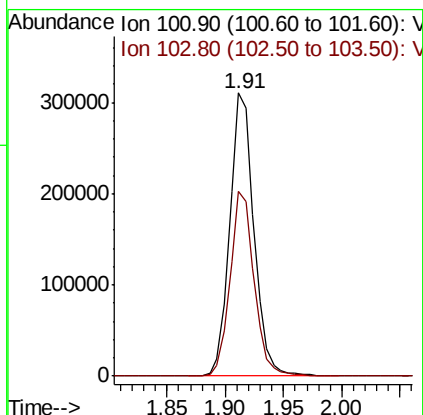
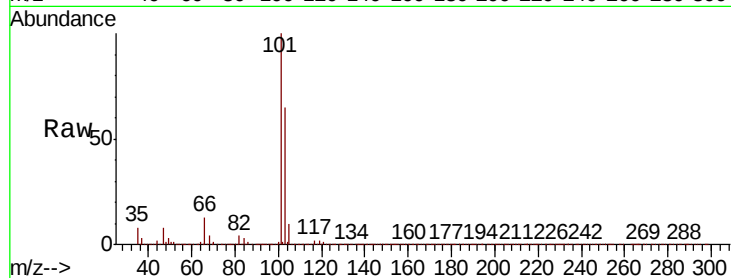


#7

Trichlorofluoromethane  
Concen: 45.737 ug/l  
RT: 1.91 min Scan# 168  
Delta R.T. -0.01 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampleId :

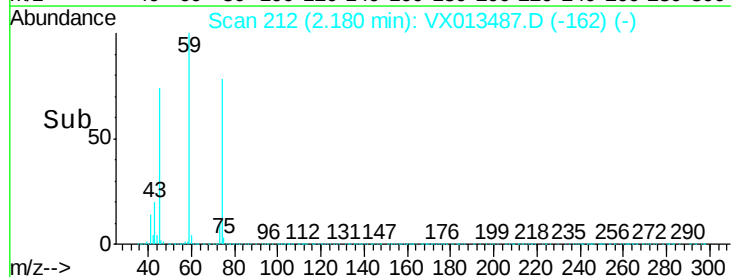
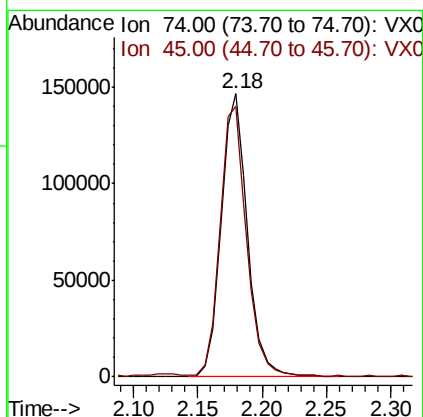
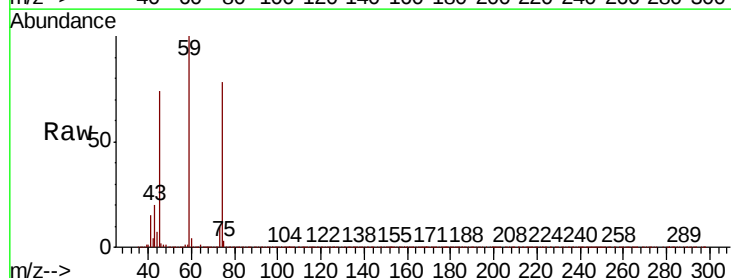
Tot Ion:101 Resp: 448471  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.3 78.5

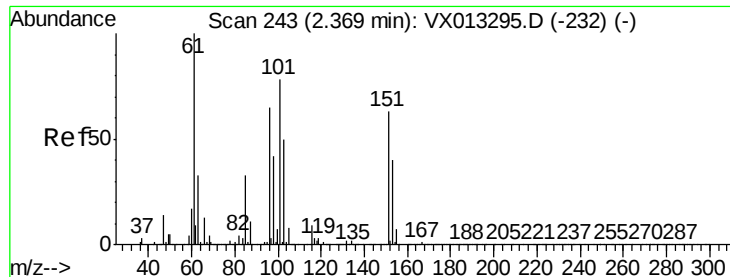


#8

Diethyl Ether  
Concen: 48.142 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.01 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 74 Resp: 208746  
Ion Ratio Lower Upper  
74 100  
45 96.6 48.5 145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.851 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

ClientSampleId :

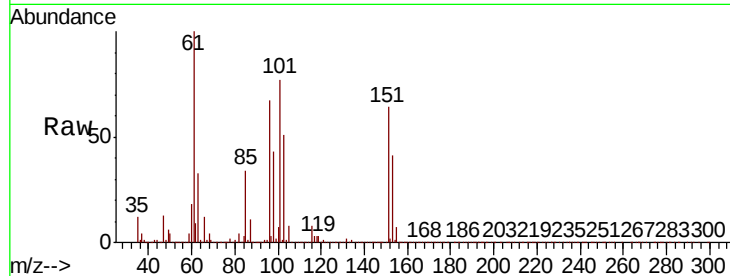
Tot Ion:101 Resp: 272440

Ion Ratio Lower Upper

101 100

85 42.0 34.4 51.6

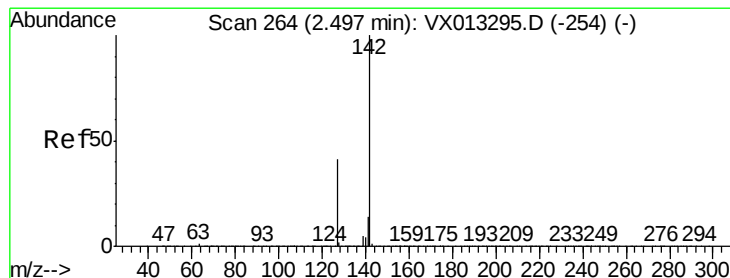
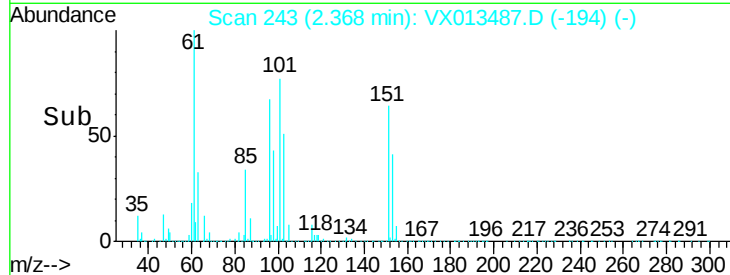
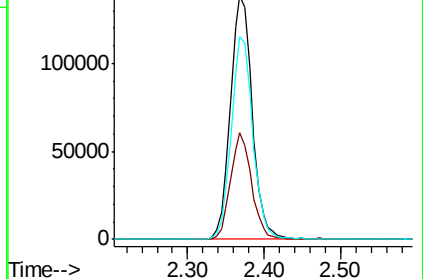
151 82.4 66.4 99.6



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: 38.772 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

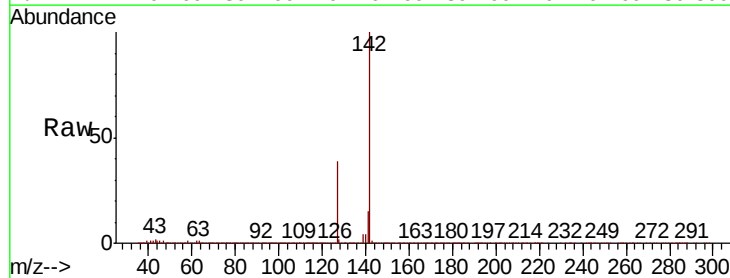
Tgt Ion:142 Resp: 262343

Ion Ratio Lower Upper

142 100

127 39.4 32.6 49.0

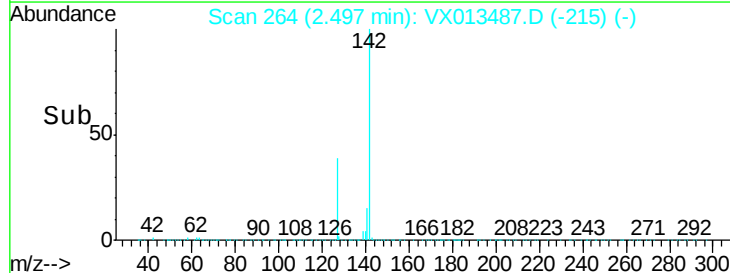
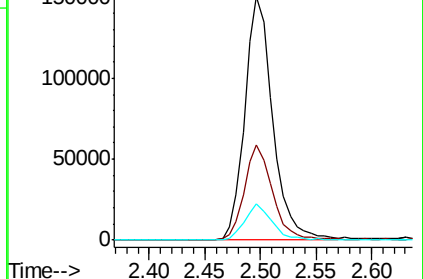
141 14.5 11.6 17.4

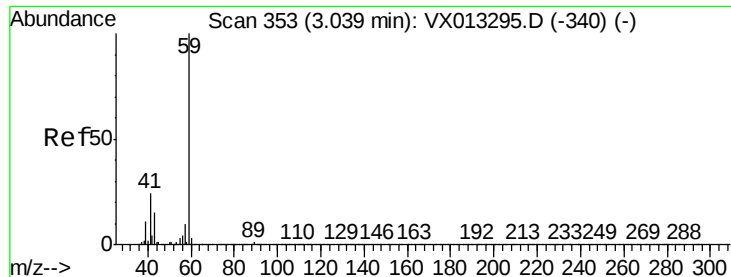


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



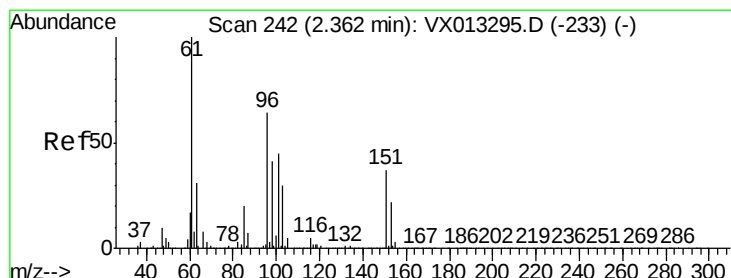
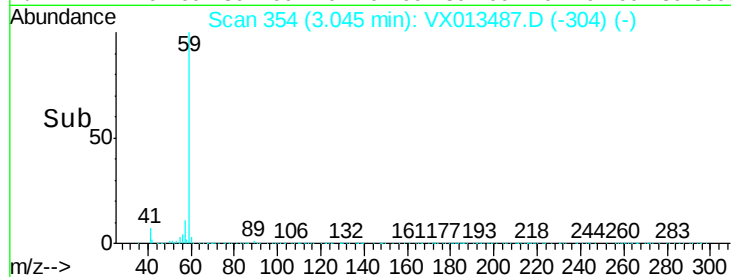
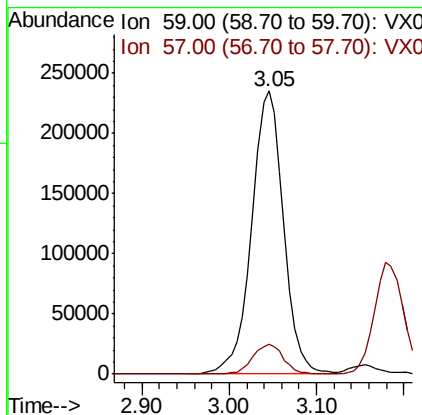
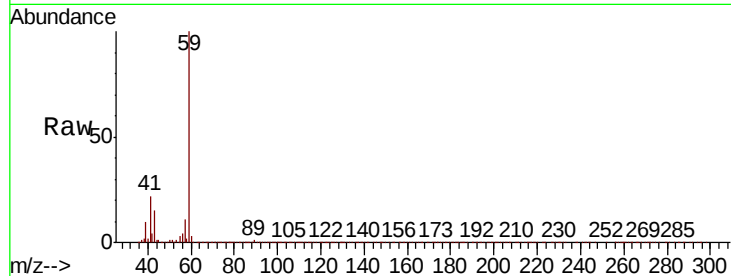


#11

Tert butyl alcohol  
Concen: 327.811 ug/l  
RT: 3.05 min Scan# 354  
Delta R.T. 0.01 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampled :

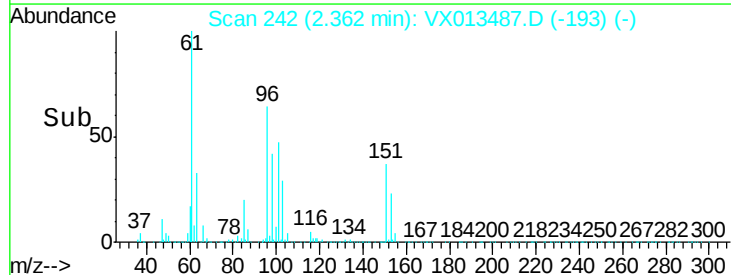
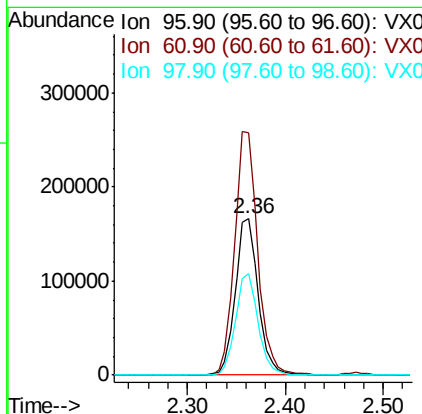
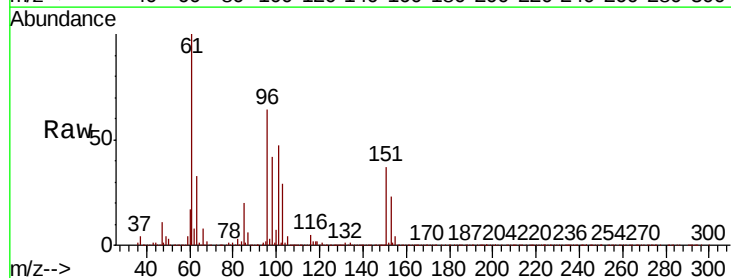
Tot Ion: 59 Resp: 597211  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.0 12.0

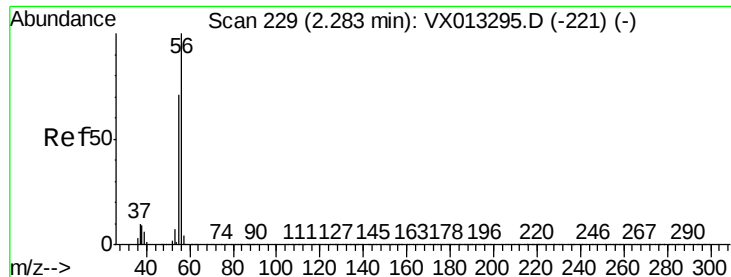


#12

1,1-Dichloroethene  
Concen: 50.240 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 96 Resp: 268878  
Ion Ratio Lower Upper  
96 100  
61 155.3 125.0 187.6  
98 64.7 50.7 76.1

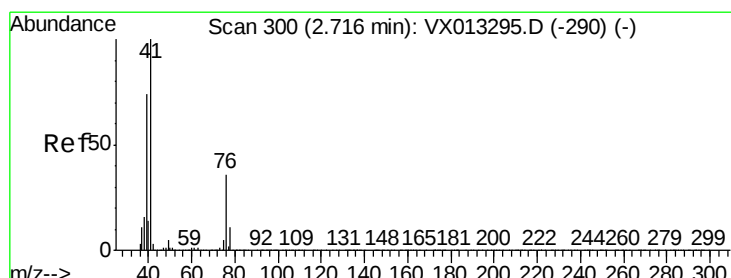
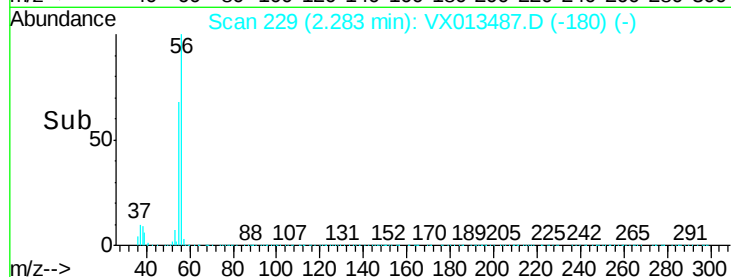
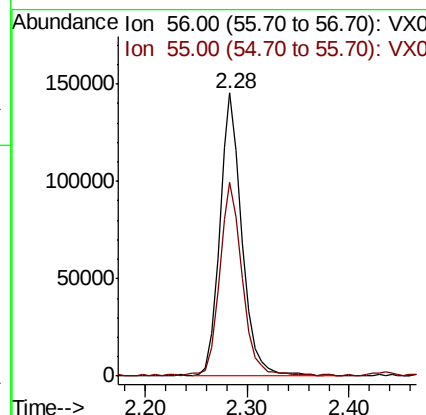
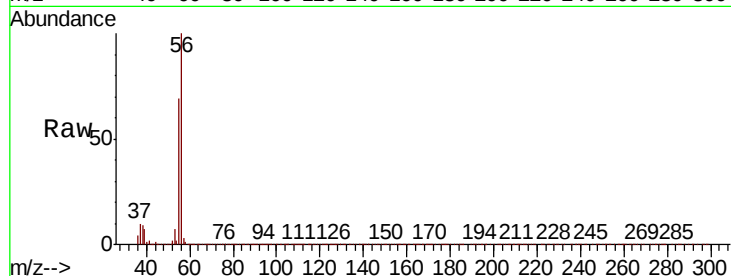




#13  
Acrolein  
Concen: 224.942 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

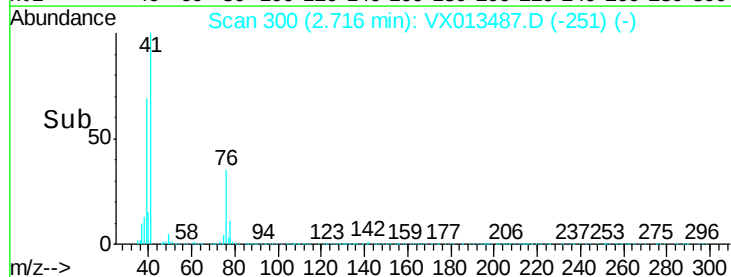
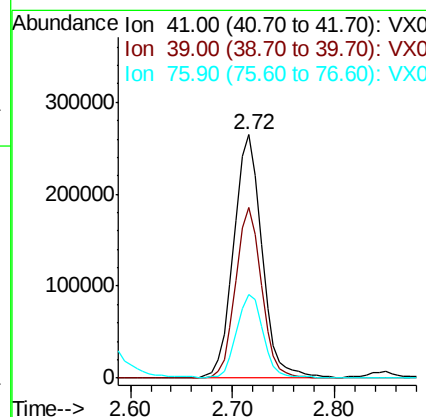
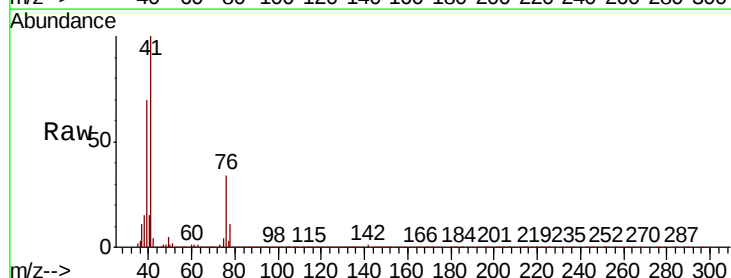
Instrument :  
MSVOA\_X  
ClientSampleId :

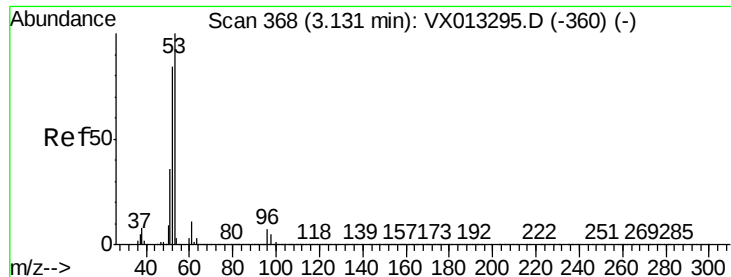
Tot Ion: 56 Resp: 222101  
Ion Ratio Lower Upper  
56 100  
55 69.0 57.4 86.0



#14  
Allyl chloride  
Concen: 52.148 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 41 Resp: 507086  
Ion Ratio Lower Upper  
41 100  
39 64.2 55.8 83.8  
76 32.1 26.4 39.6





#15

Acrylonitrile

Concen: 289.913 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

ClientSampleId :

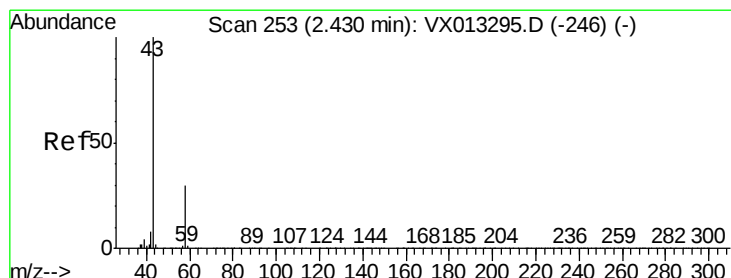
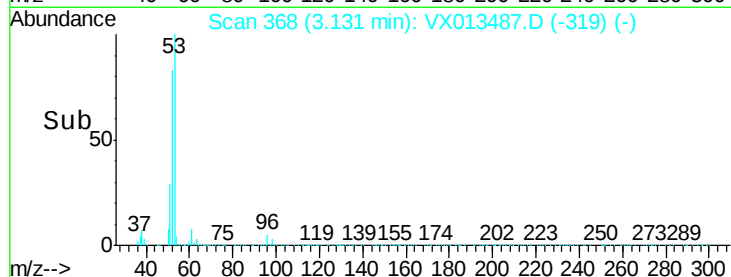
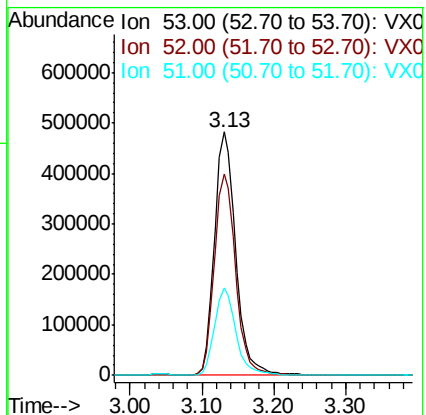
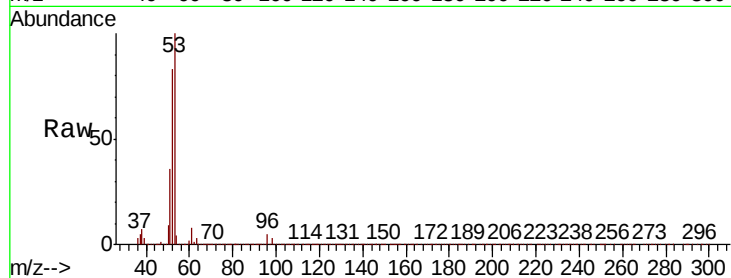
Tot Ion: 53 Resp: 986594

Ion Ratio Lower Upper

53 100

52 82.9 67.4 101.0

51 35.9 29.4 44.2



#16

Acetone

Concen: 267.077 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013487.D

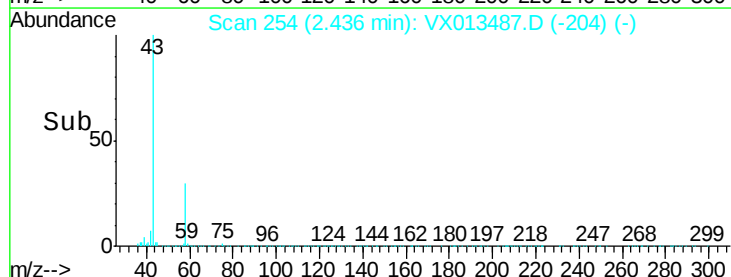
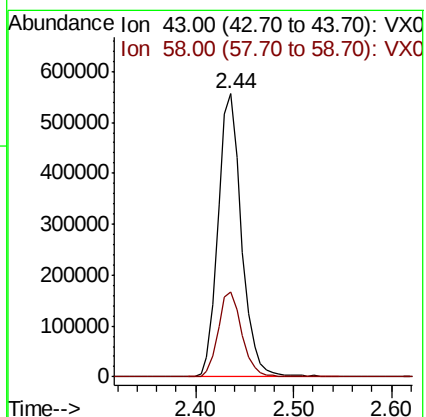
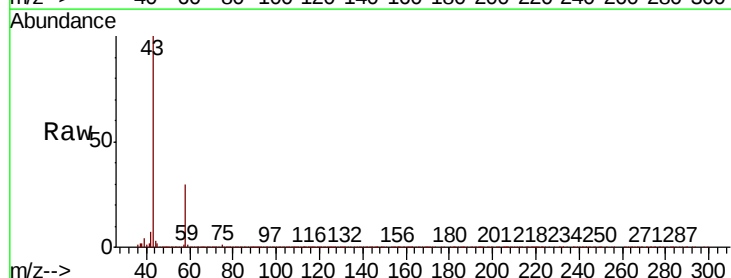
Acq: 20 Nov 2019 19:05

Tgt Ion: 43 Resp: 920785

Ion Ratio Lower Upper

43 100

58 30.0 24.3 36.5





#17

Carbon Disulfide

Concen: 44.703 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

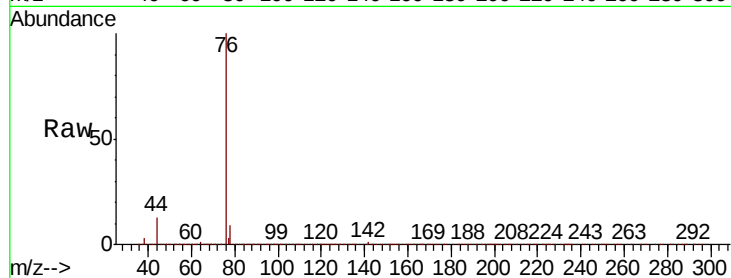
ClientSampleId :

Tot Ion: 76 Resp: 640341

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

400000

300000

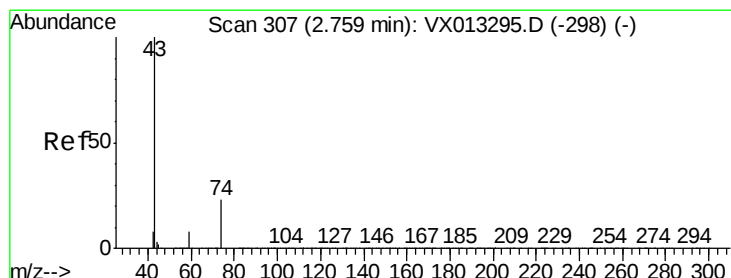
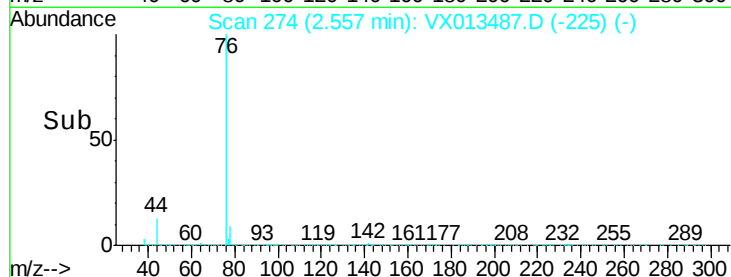
200000

100000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 58.415 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013487.D

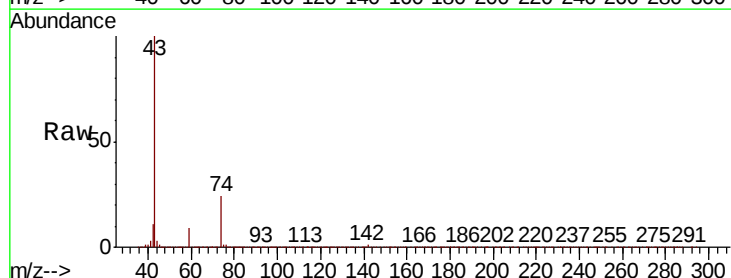
Acq: 20 Nov 2019 19:05

Tgt Ion: 43 Resp: 556008

Ion Ratio Lower Upper

43 100

74 23.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

300000

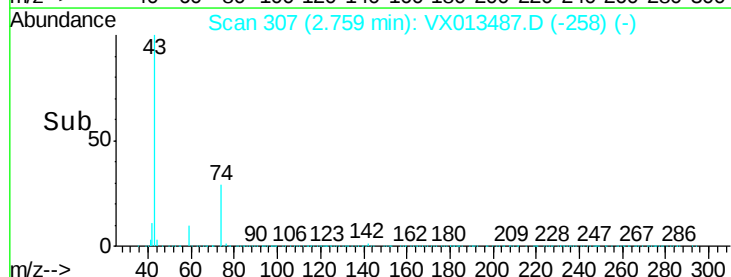
200000

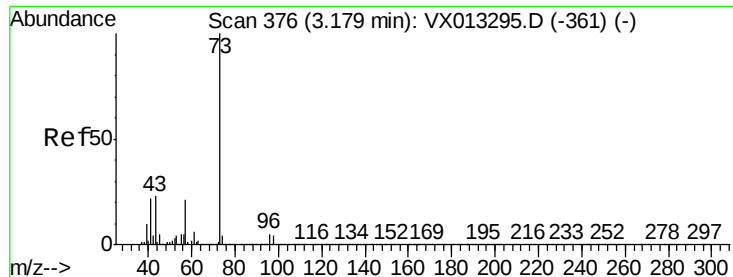
100000

0

2.70 2.80 2.90

Time-->

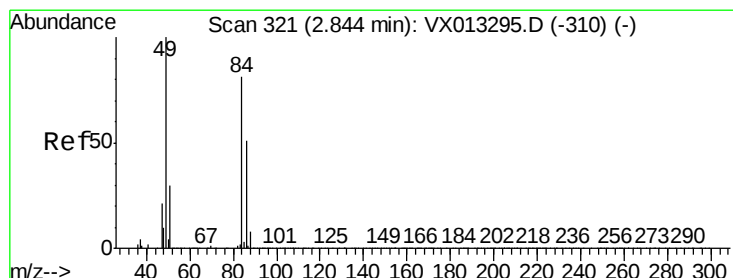
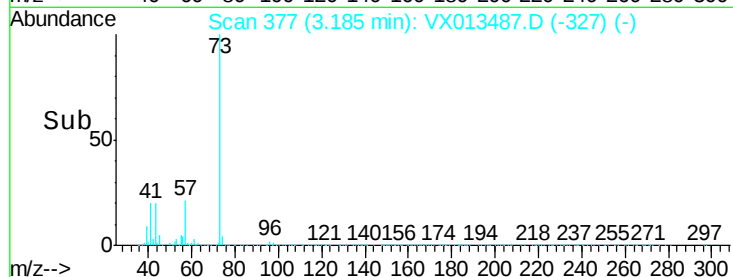
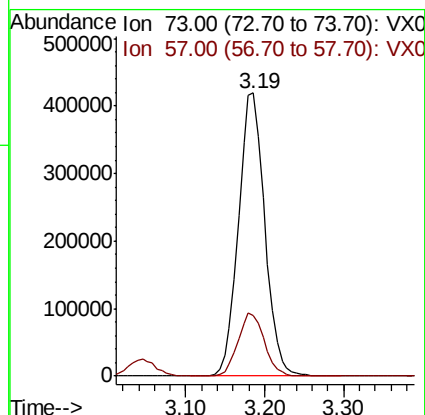
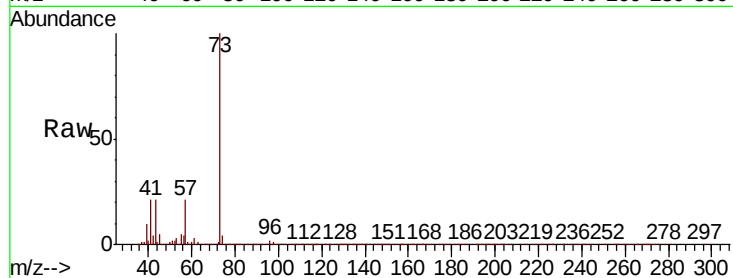




#19  
Methvl tert-butvl Ether  
Concen: 54.401 ug/l  
RT: 3.19 min Scan# 377  
Delta R.T. 0.01 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

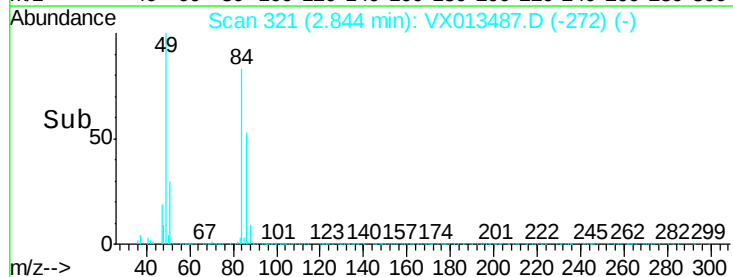
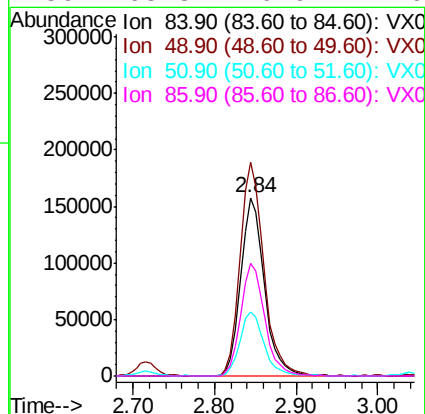
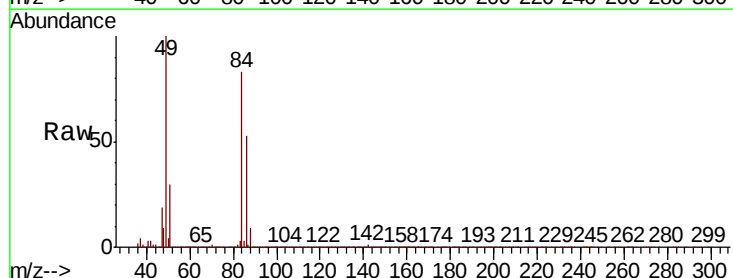
Instrument :  
MSVOA\_X  
ClientSampleId :

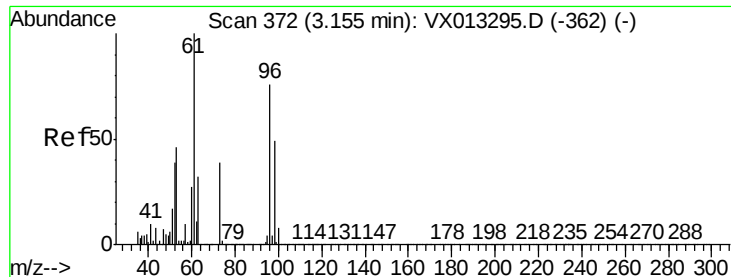
Tot Ion: 73 Resp: 971052  
Ion Ratio Lower Upper  
73 100  
57 21.3 17.1 25.7



#20  
Methylene Chloride  
Concen: 49.386 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 84 Resp: 314585  
Ion Ratio Lower Upper  
84 100  
49 119.8 98.2 147.4  
51 35.7 29.9 44.9  
86 63.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.822 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampleId :

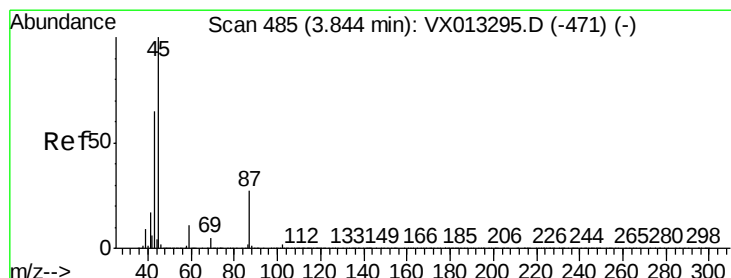
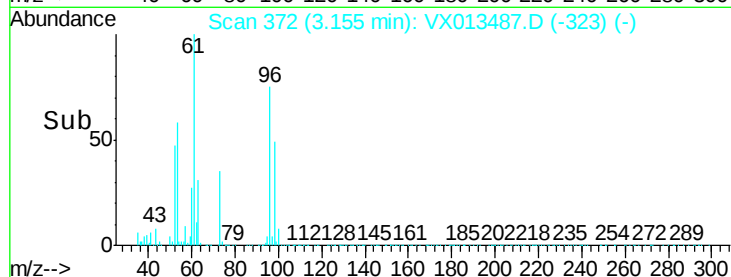
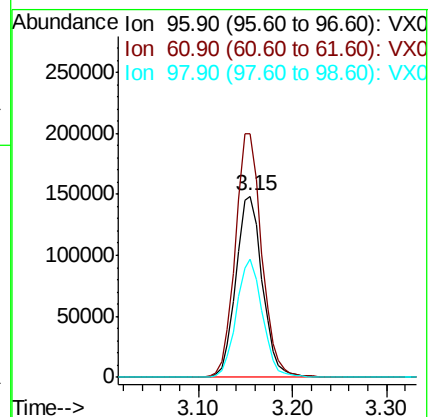
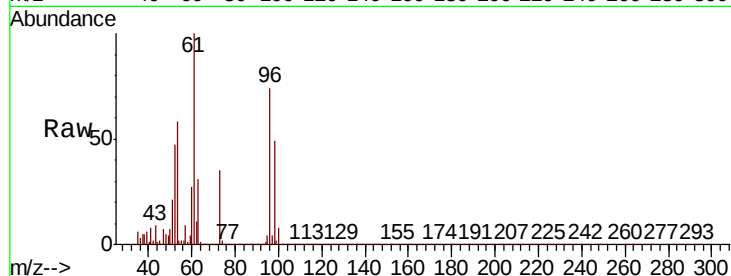
Tot Ion: 96 Resp: 290321

Ion Ratio Lower Upper

96 100

61 134.2 105.8 158.6

98 65.3 51.8 77.6



#22

Diisopropyl ether

Concen: 53.781 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Tgt Ion: 45 Resp: 1009650

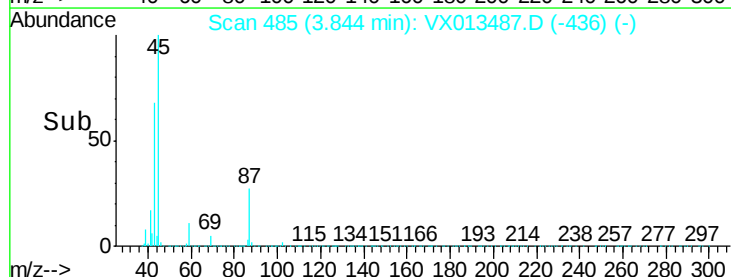
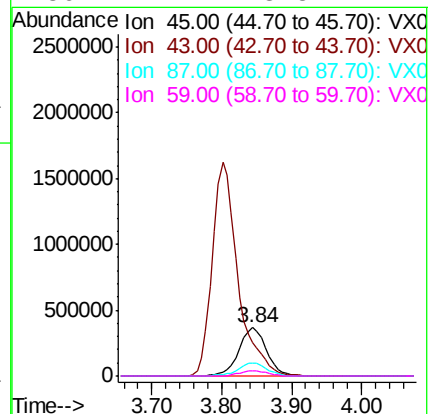
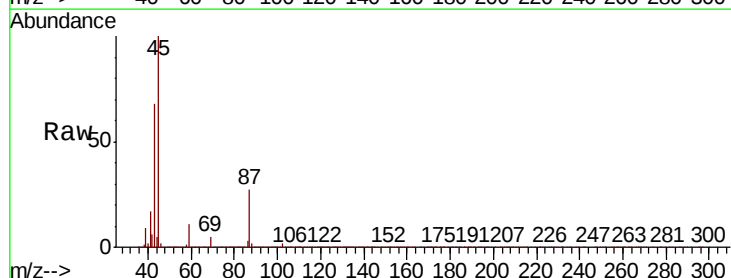
Ion Ratio Lower Upper

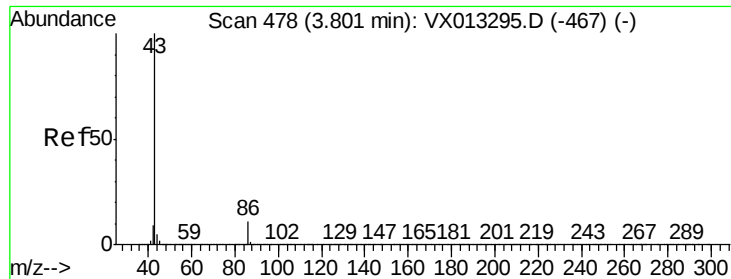
45 100

43 67.4 54.2 81.2

87 26.7 21.8 32.8

59 11.1 8.5 12.7

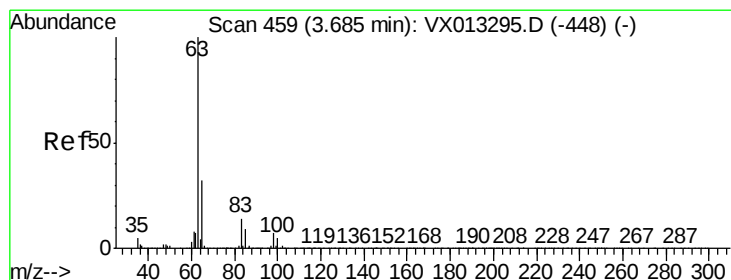
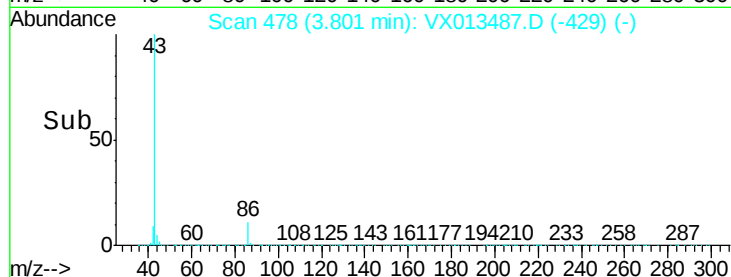
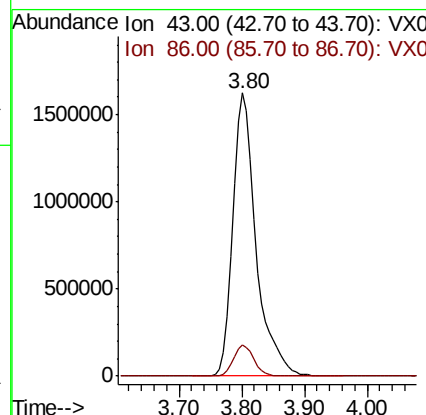
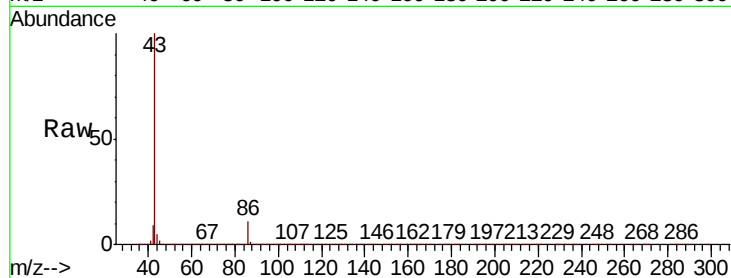




#23  
 Vinyl Acetate  
 Concen: 258.981 ug/l  
 RT: 3.80 min Scan# 478  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

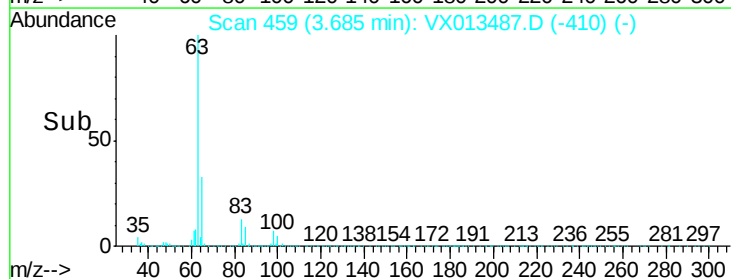
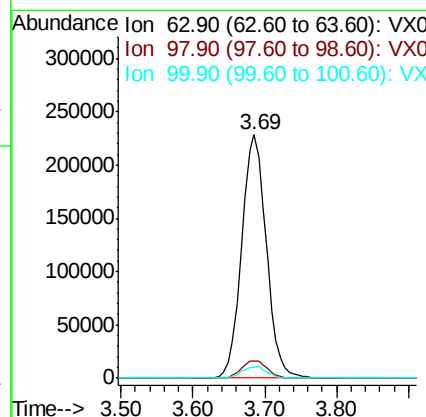
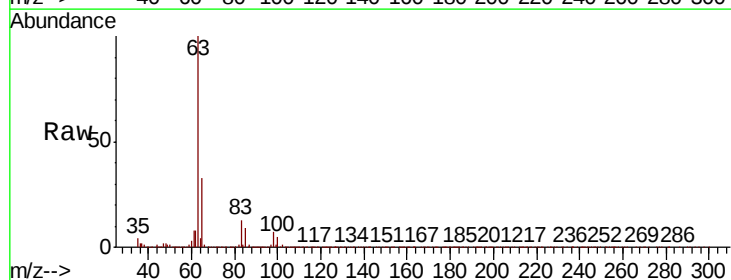
Instrument :  
 MSVOA\_X  
 ClientSampleId :

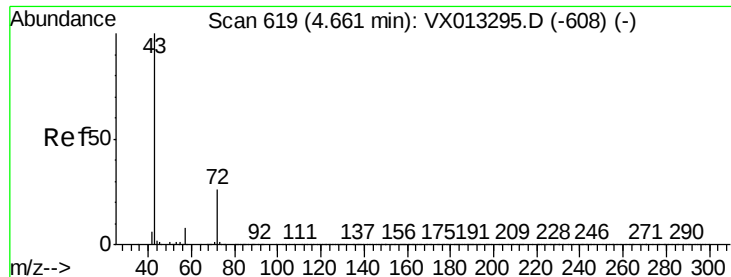
Tot Ion: 43 Resp: 4160340  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 51.604 ug/l  
 RT: 3.69 min Scan# 459  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

Tgt Ion: 63 Resp: 541947  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.5 10.4  
 100 4.5 2.4 7.2





#25

2-Butanone

Concen: 289.380 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

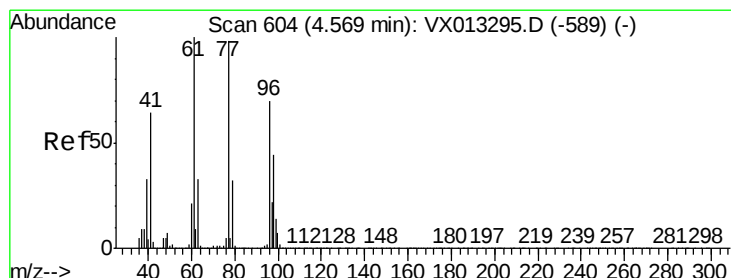
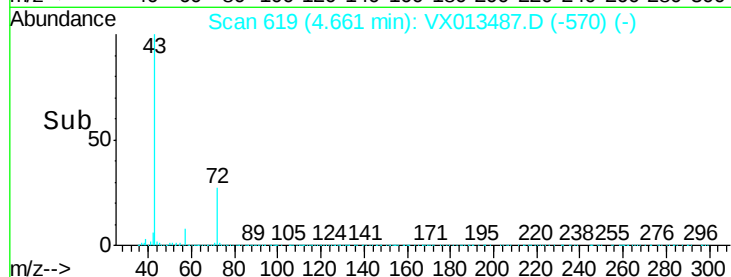
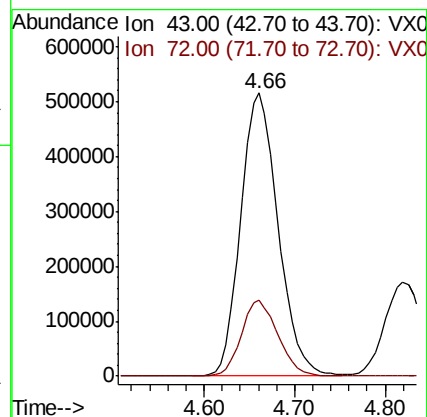
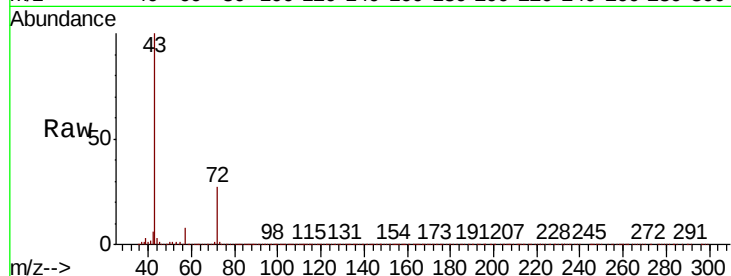
ClientSampled :

Tot Ion: 43 Resp: 1463610

Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.6



#26

2,2-Dichloropropane

Concen: 50.773 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013487.D

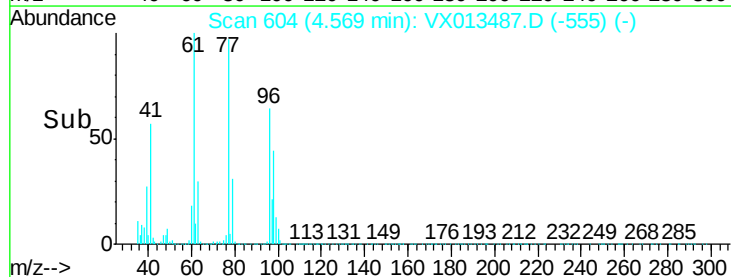
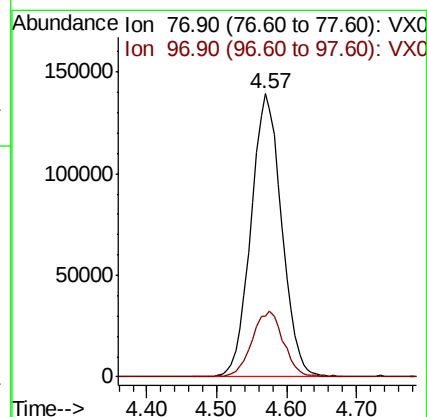
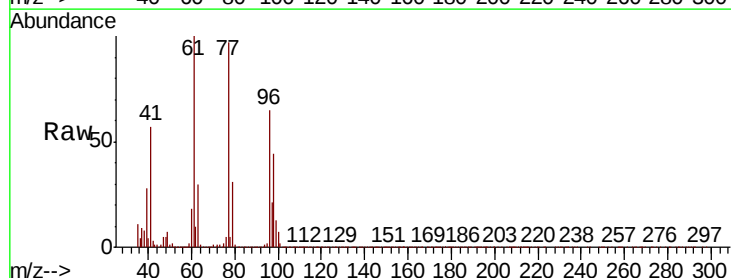
Acq: 20 Nov 2019 19:05

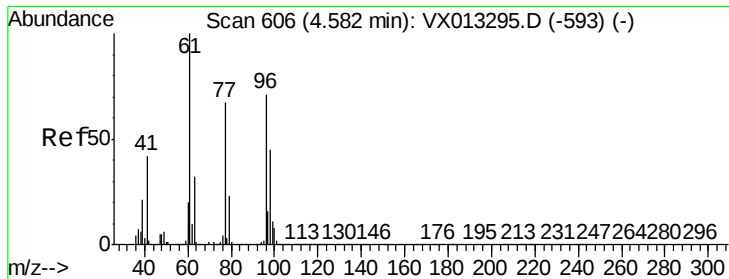
Tgt Ion: 77 Resp: 424189

Ion Ratio Lower Upper

77 100

97 23.9 11.3 33.8



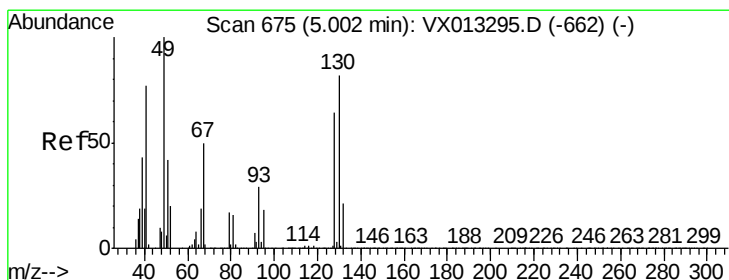
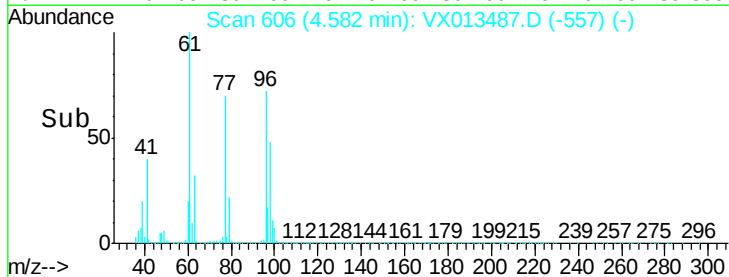
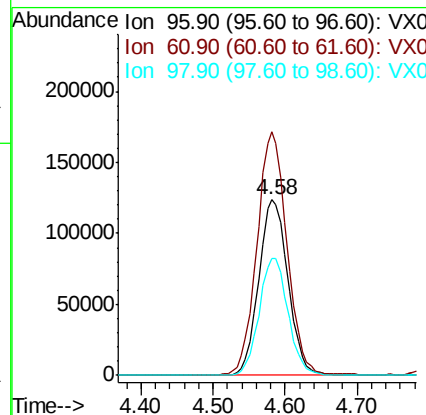
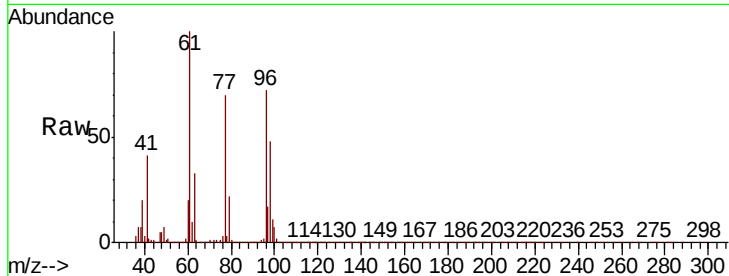


#27

cis-1,2-Dichloroethene  
Concen: 53.518 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampled :

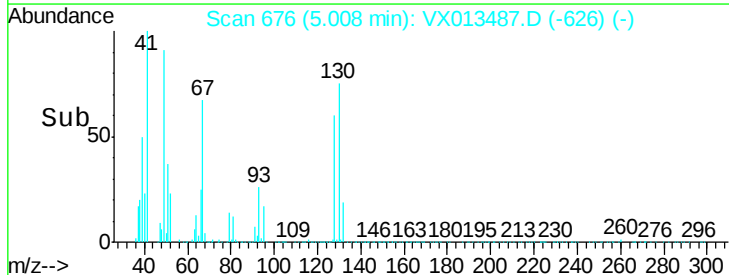
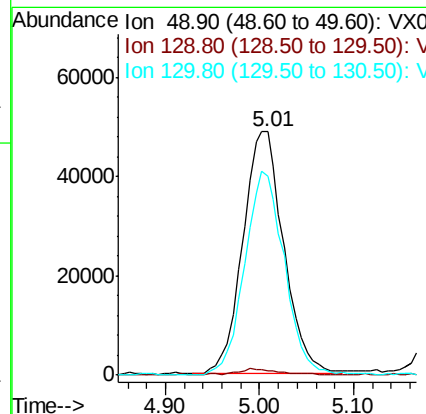
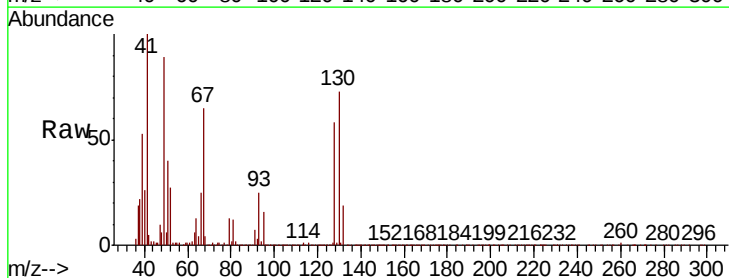
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 141.2 | 0.0   | 288.0 |
| 98      | 65.7  | 0.0   | 129.6 |

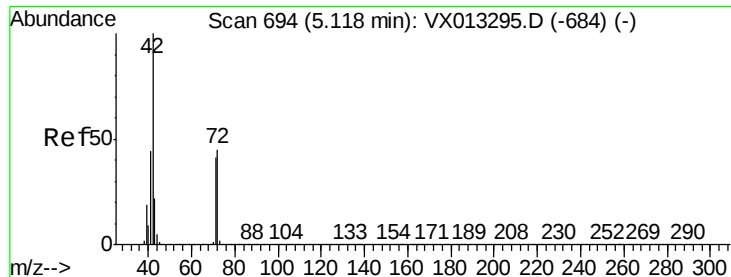


#28

Bromochloromethane  
Concen: 49.714 ug/l  
RT: 5.01 min Scan# 676  
Delta R.T. 0.01 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.7   | 0.0   | 5.2   |
| 130     | 81.3  | 63.8  | 95.6  |





#29

Tetrahydrofuran

Concen: 293.756 ug/l

RT: 5.12 min Scan# 694

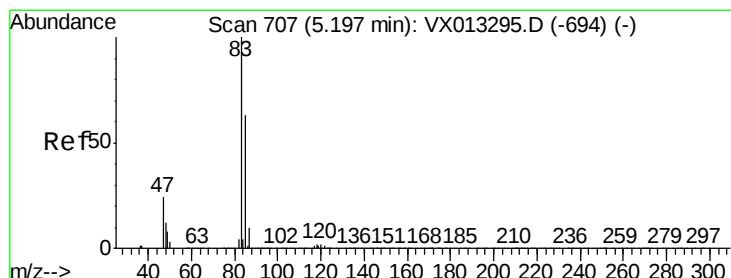
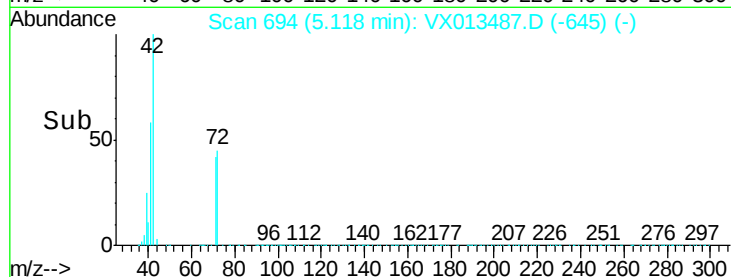
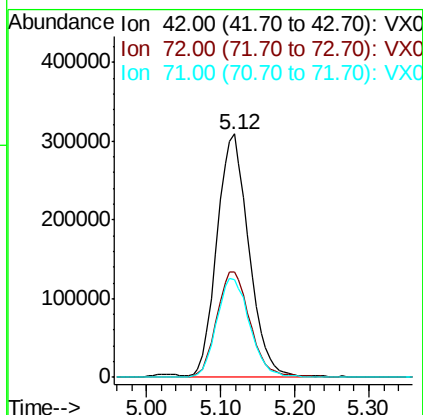
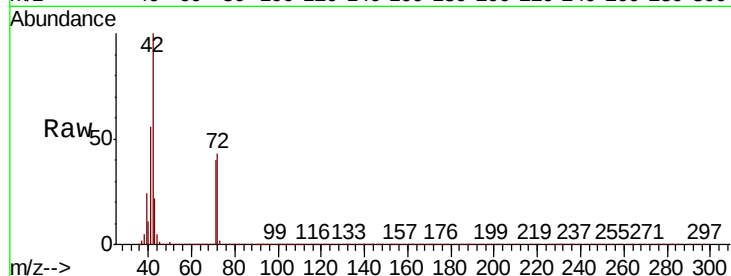
Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 915574 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 45.5  | 35.8  | 53.8   |
| 71       | 42.5  | 33.4  | 50.0   |



#30

Chloroform

Concen: 54.505 ug/l

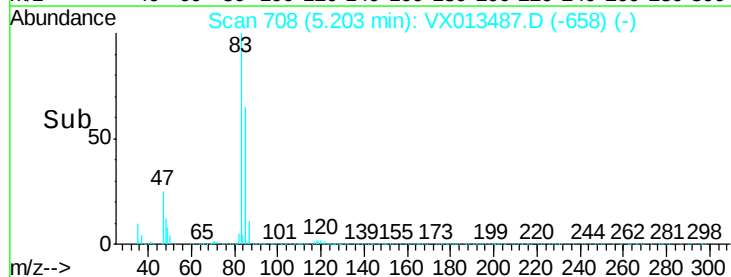
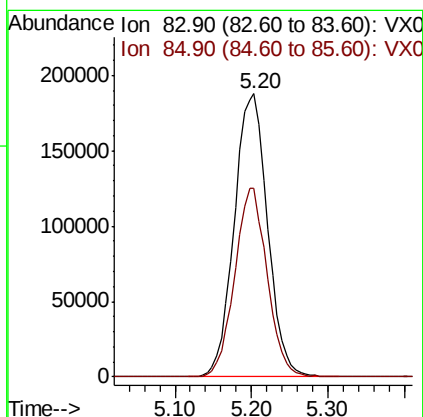
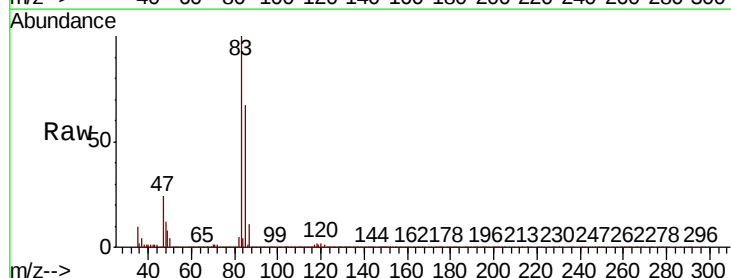
RT: 5.20 min Scan# 708

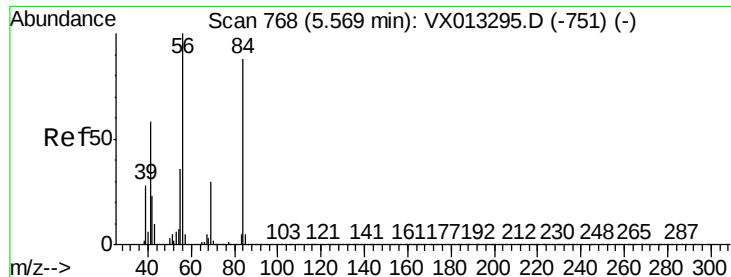
Delta R.T. 0.01 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 565218 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.5  | 50.2  | 75.4   |

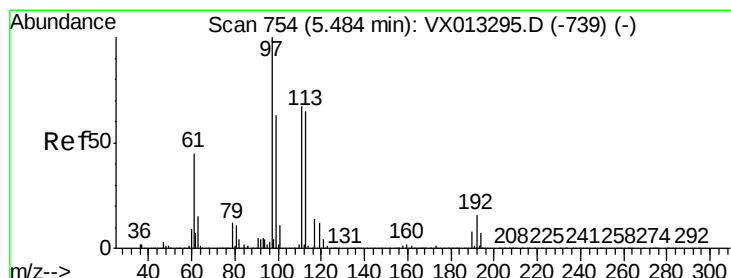
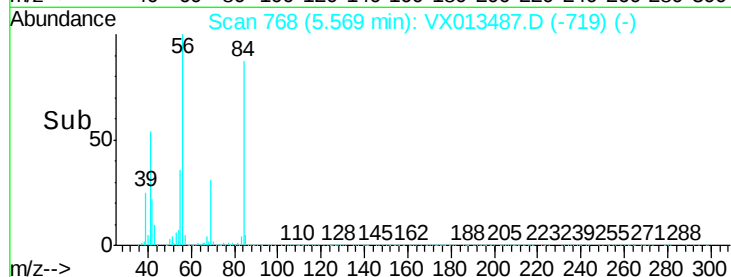
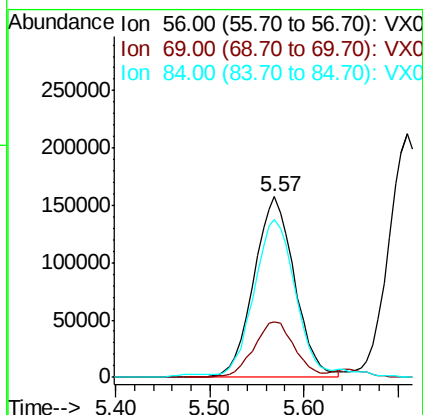
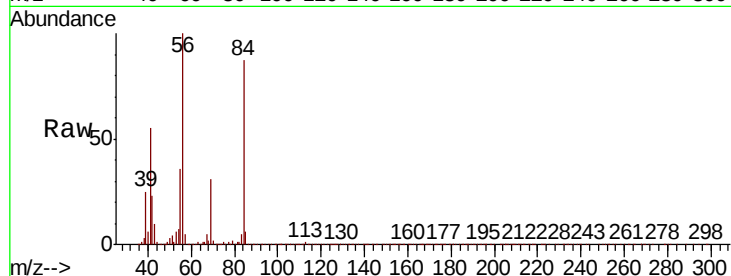




#31  
Cyclohexane  
Concen: 50.144 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

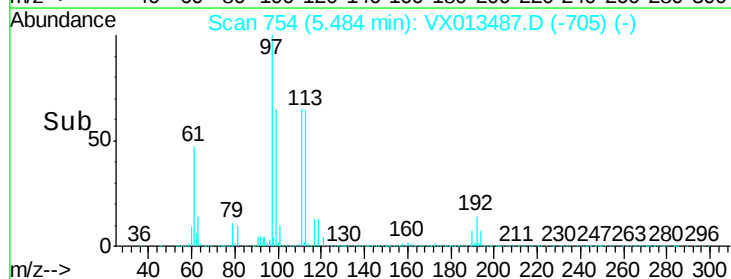
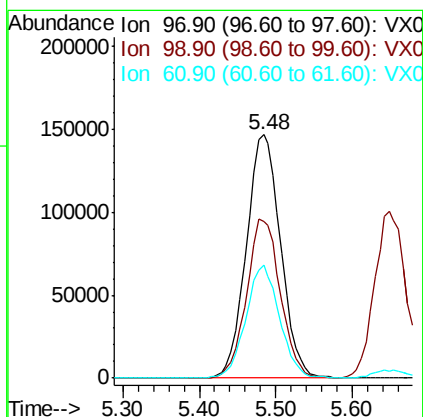
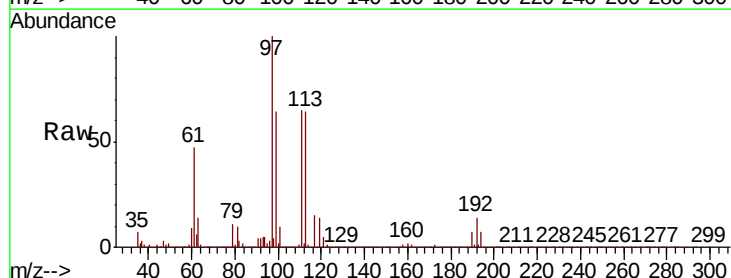
Instrument :  
MSVOA\_X  
ClientSampled :

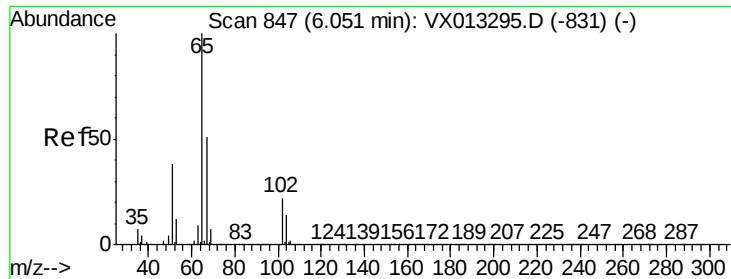
Tot Ion: 56 Resp: 473858  
Ion Ratio Lower Upper  
56 100  
69 30.7 23.7 35.5  
84 86.0 70.6 105.8



#32  
1,1,1-Trichloroethane  
Concen: 51.143 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 97 Resp: 456417  
Ion Ratio Lower Upper  
97 100  
99 64.0 51.1 76.7  
61 45.3 36.5 54.7

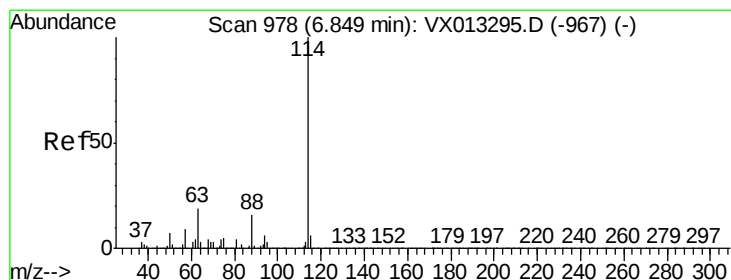
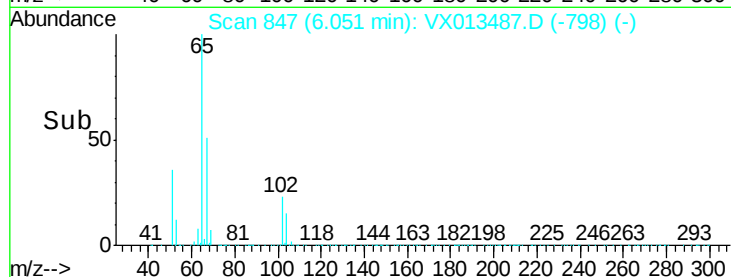
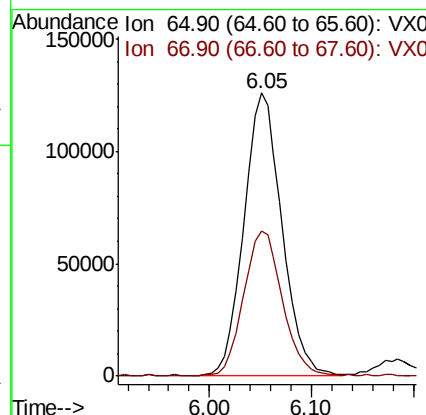
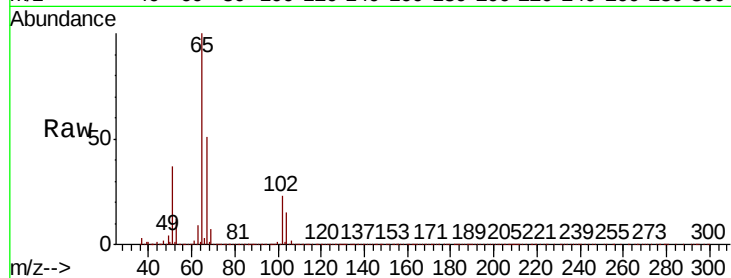




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.919 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

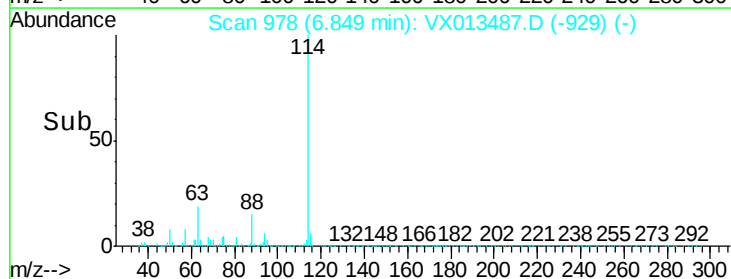
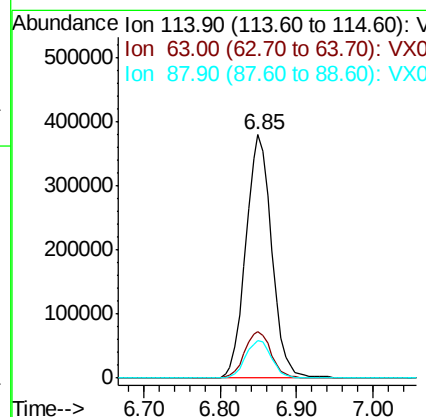
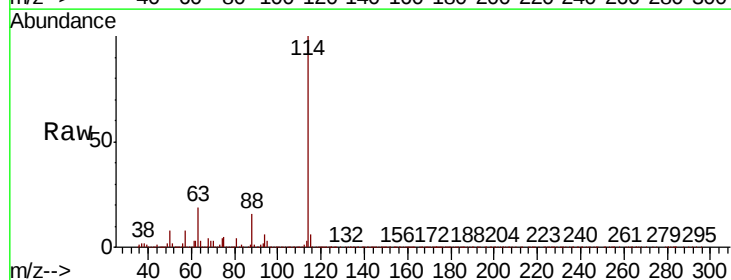
Instrument :  
 MSVOA\_X  
 ClientSampleId :

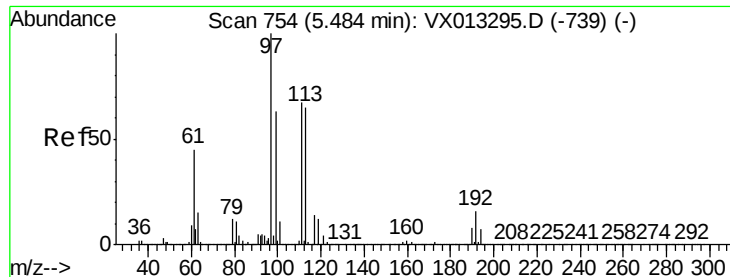
Tot Ion: 65 Resp: 324308  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

Tgt Ion: 114 Resp: 890210  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 38.4  
 88 15.5 0.0 32.2

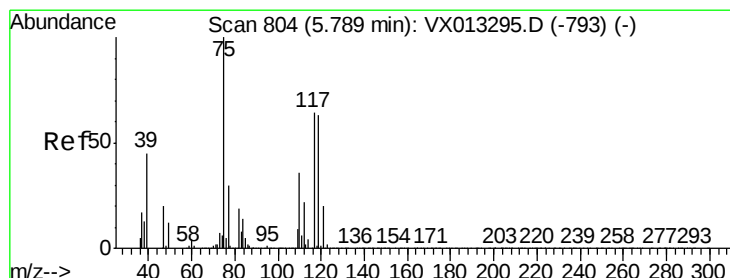
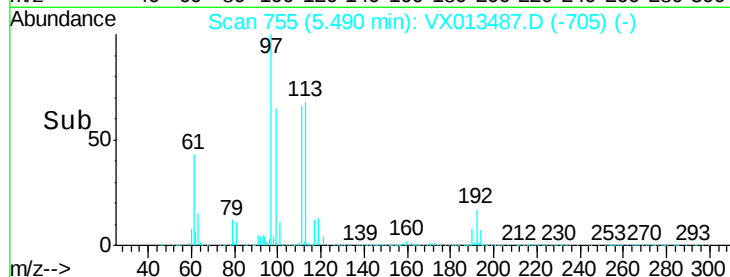
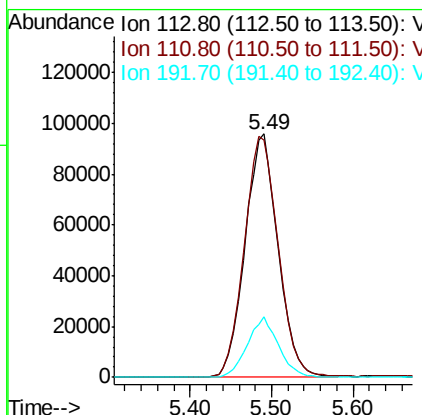
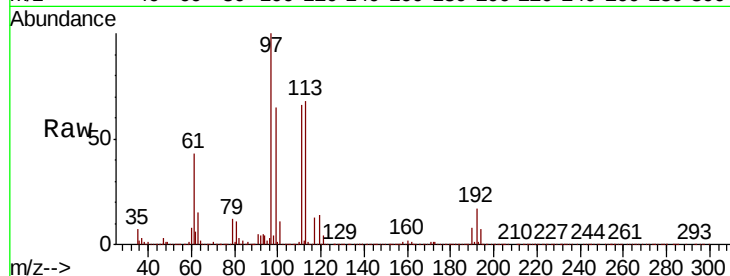




#35  
 Dibromofluoromethane  
 Concen: 48.244 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.01 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

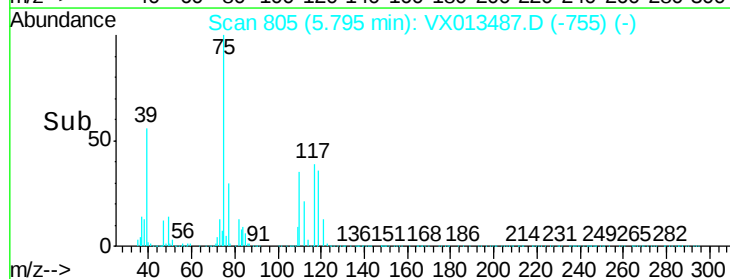
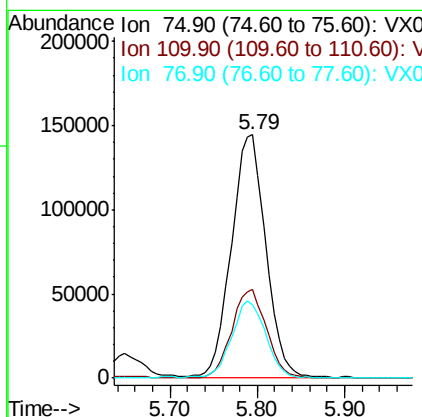
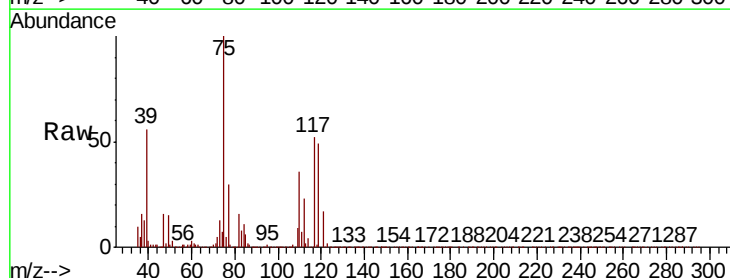
Instrument :  
 MSVOA\_X  
 ClientSampled :

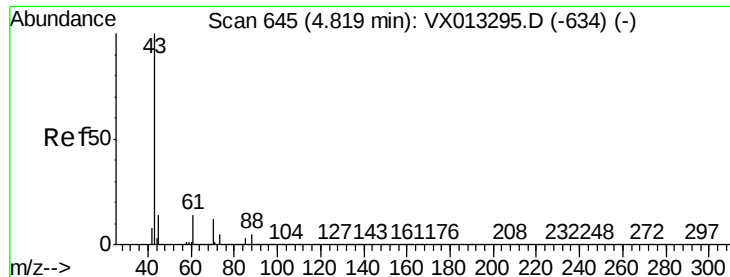
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 81.9  | 122.9 |
| 192     | 23.3  | 19.1  | 28.7  |



#36  
 1,1-Dichloropropene  
 Concen: 51.320 ug/l  
 RT: 5.79 min Scan# 805  
 Delta R.T. 0.01 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.7  | 18.1  | 54.1  |
| 77      | 30.9  | 25.0  | 37.4  |

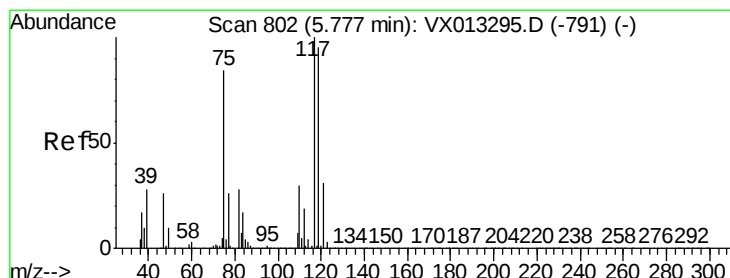
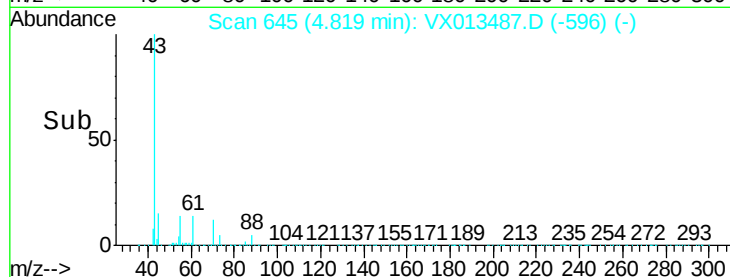
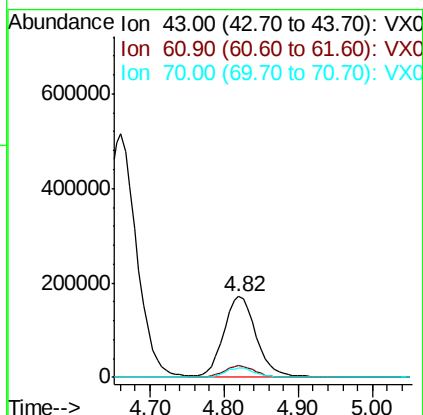
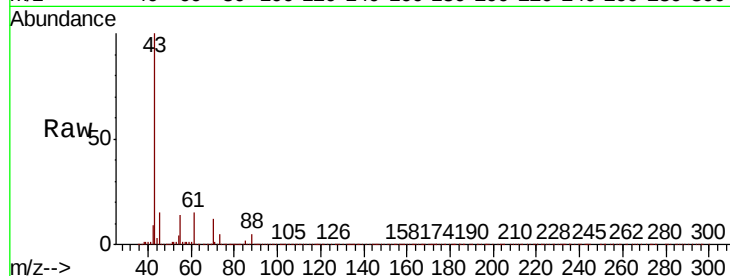




#37  
Ethyl Acetate  
Concen: 54.499 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

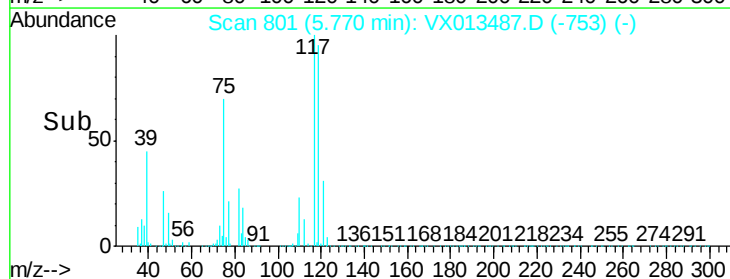
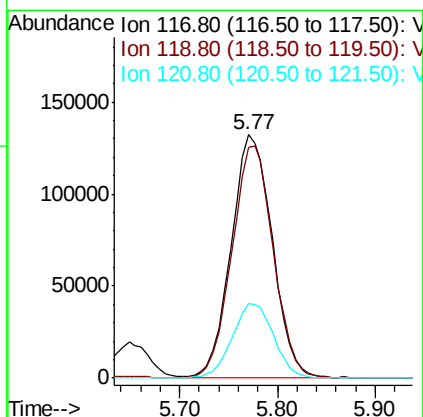
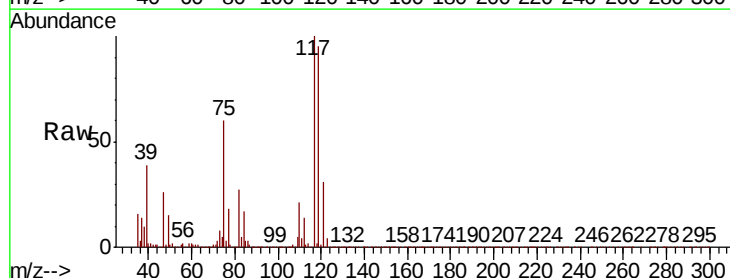
Instrument :  
MSVOA\_X  
ClientSampleId :

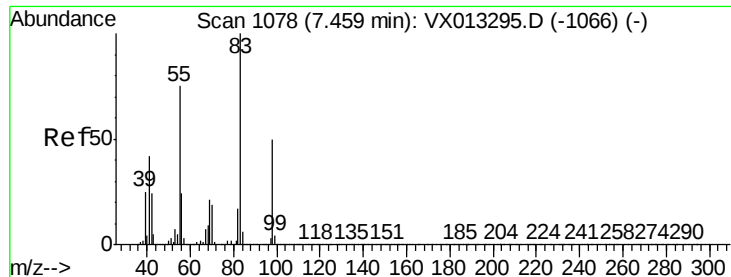
Tot Ion: 43 Resp: 514290  
Ion Ratio Lower Upper  
43 100  
61 13.7 10.7 16.1  
70 11.0 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 51.295 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 117 Resp: 383069  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.1 114.1  
121 30.9 24.6 37.0

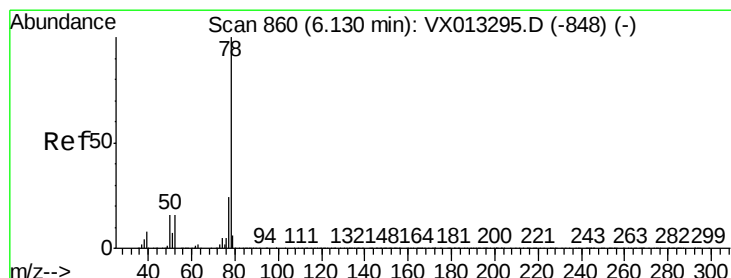
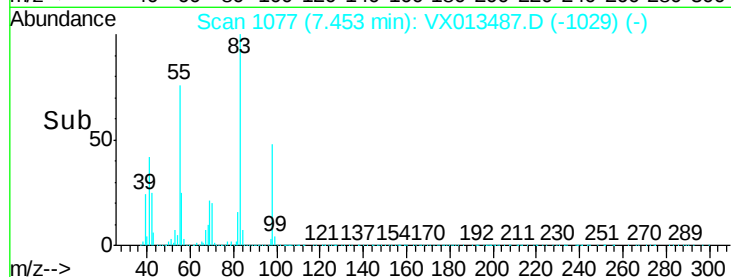
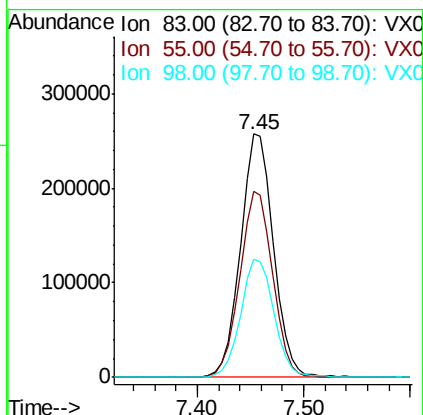
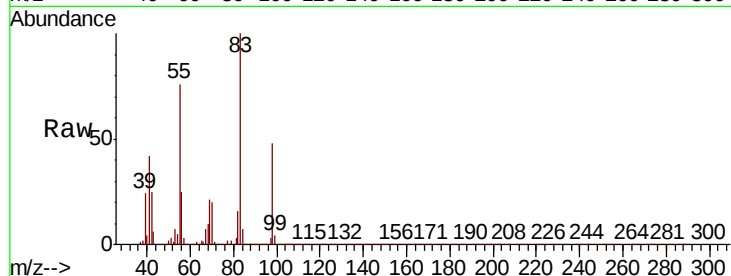




#39  
Methvlcvclohexane  
Concen: 58.723 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

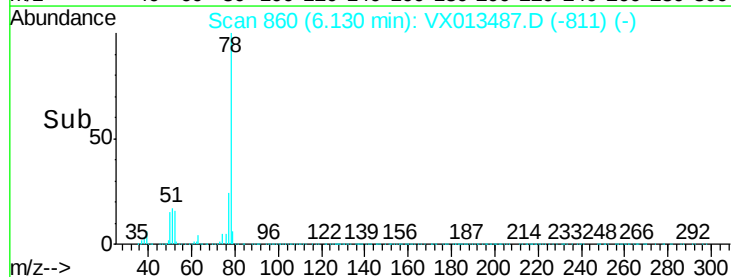
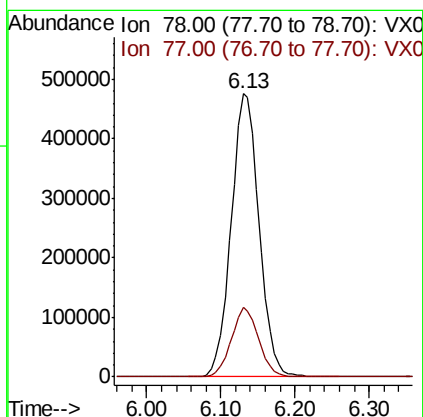
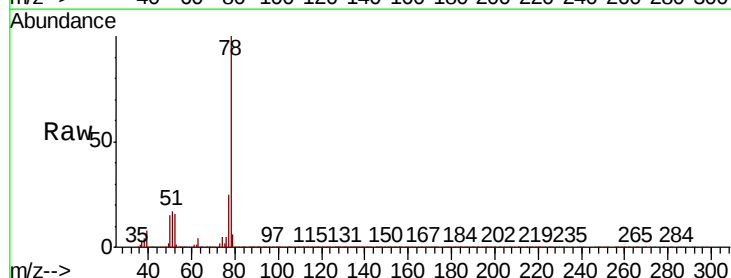
Instrument :  
MSVOA\_X  
ClientSampleId :

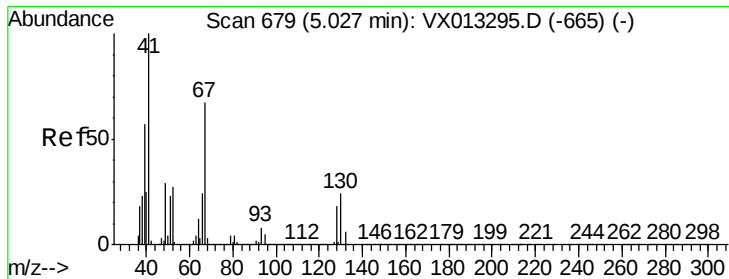
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.3  | 60.3  | 90.5  |
| 98      | 48.4  | 40.3  | 60.5  |



#40  
Benzene  
Concen: 52.526 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.6  | 19.5  | 29.3  |

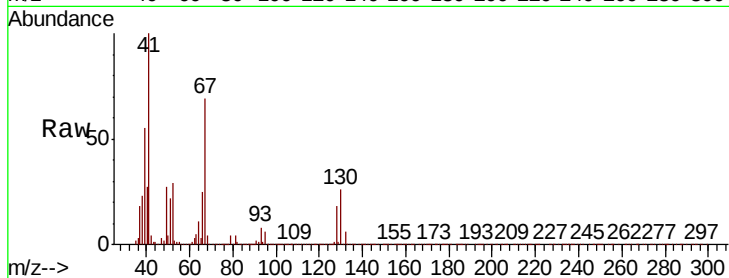




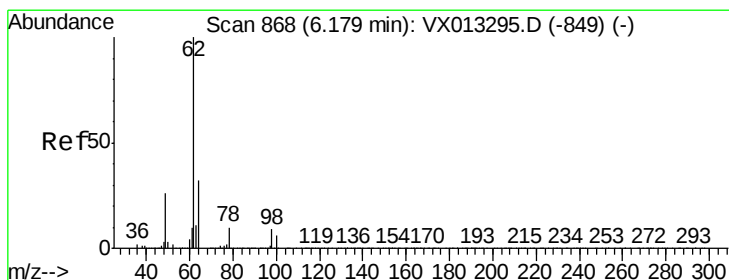
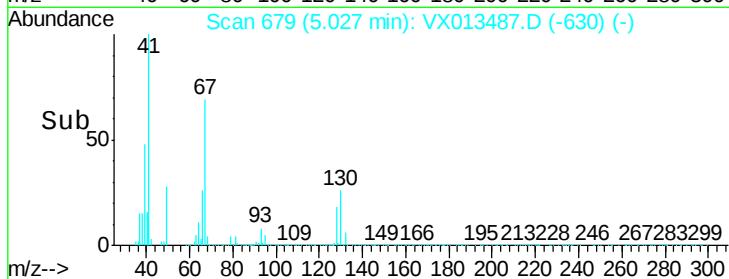
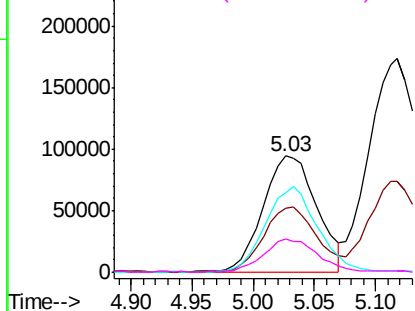
#41  
Methacrylonitrile  
Concen: 54.796 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 289831 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 55.7  | 45.0  | 67.6   |
| 67       | 72.0  | 55.4  | 83.2   |
| 52       | 27.4  | 23.1  | 34.7   |

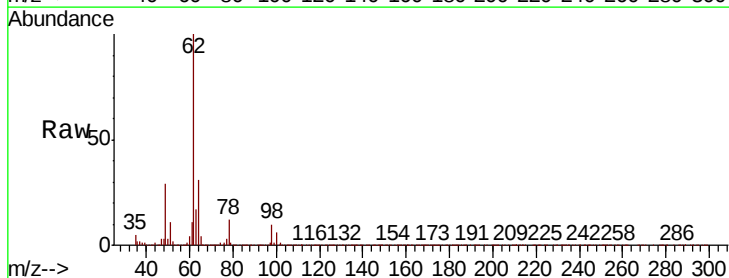


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

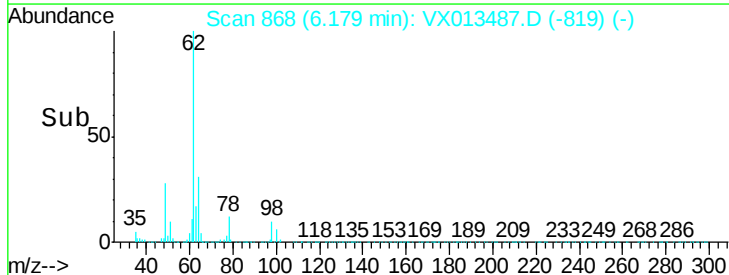
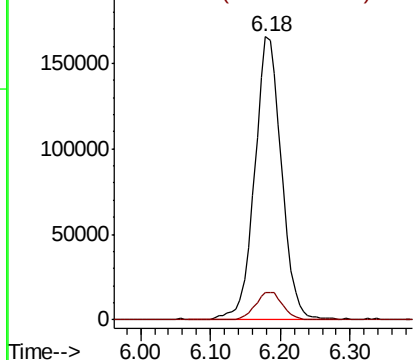


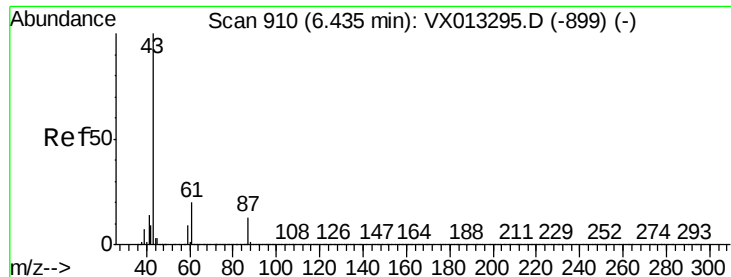
#42  
1,2-Dichloroethane  
Concen: 51.317 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 440337 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.9   | 0.0   | 19.4   |



Abundance Ion 61.90 (61.60 to 62.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



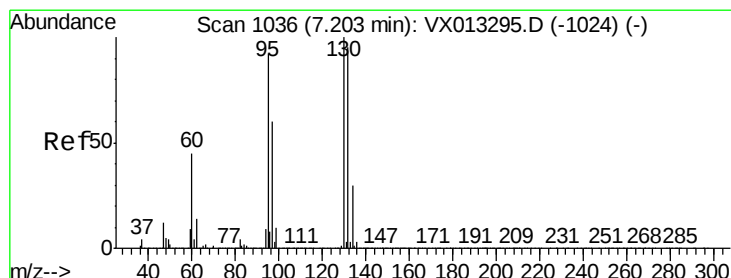
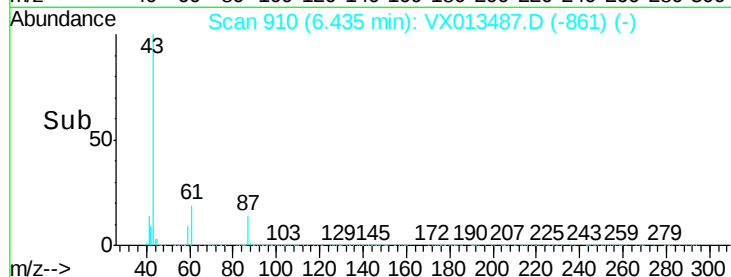
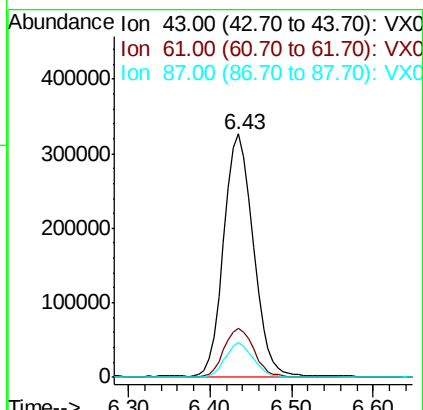
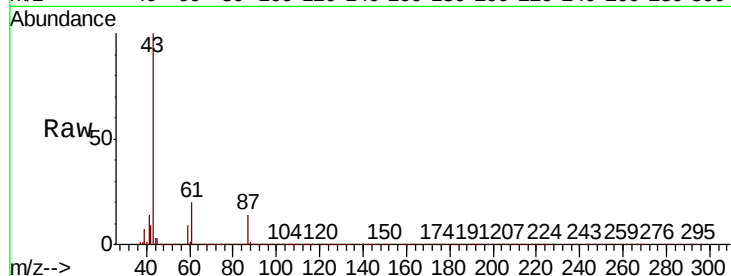


#43

Isopropyl Acetate  
 Concen: 55.561 ug/l  
 RT: 6.43 min Scan# 910  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

Instrument :  
 MSVOA\_X  
 ClientSampled :

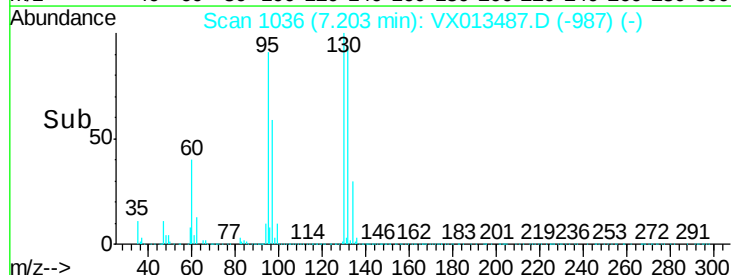
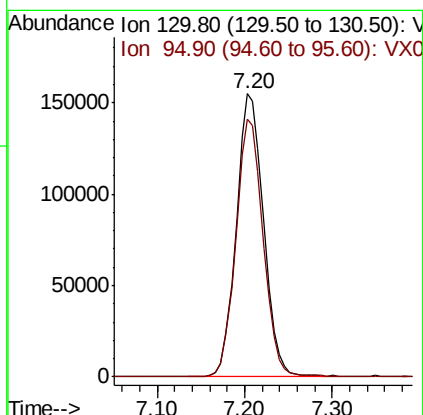
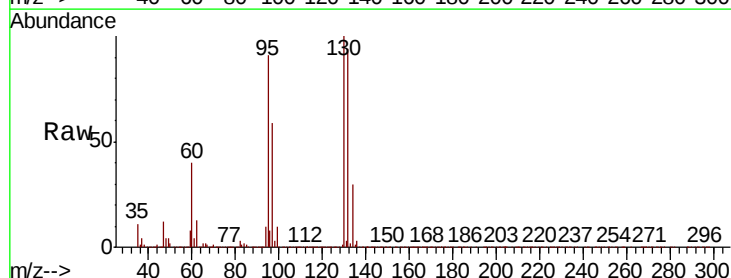
| Tot Ion   | 43    | Resp  | 816446 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 20.3  | 15.8  | 23.8   |
| 87        | 13.5  | 10.4  | 15.6   |

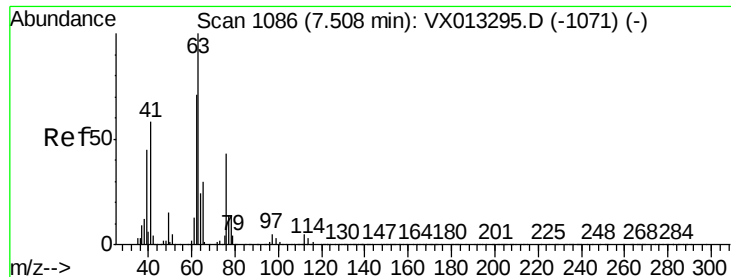


#44

Trichloroethene  
 Concen: 51.377 ug/l  
 RT: 7.20 min Scan# 1036  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

| Tgt Ion   | 130   | Resp  | 336429 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 90.9  | 0.0   | 184.8  |





#45

1,2-Dichloropropane

Concen: 53.159 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

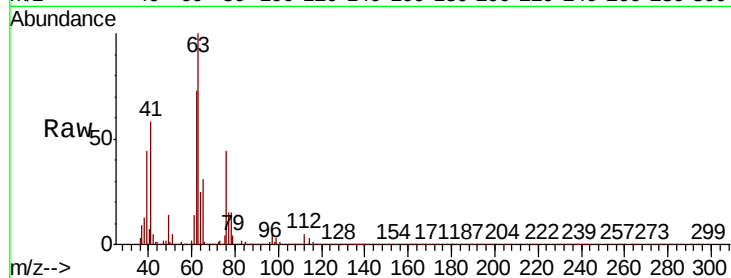
ClientSampleId :

Tot Ion: 63 Resp: 322212

Ion Ratio Lower Upper

63 100

65 30.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

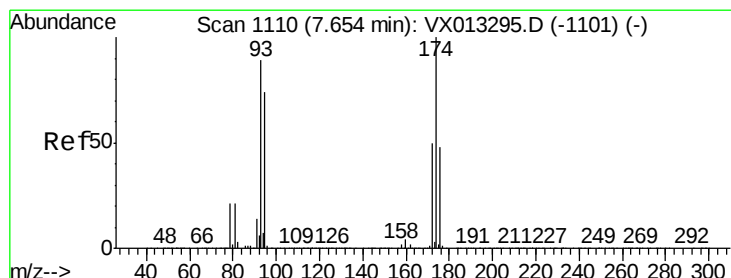
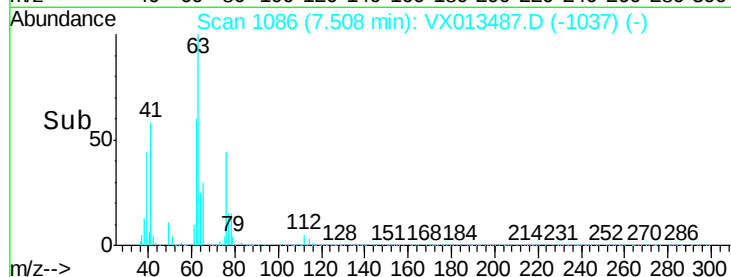
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.670 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

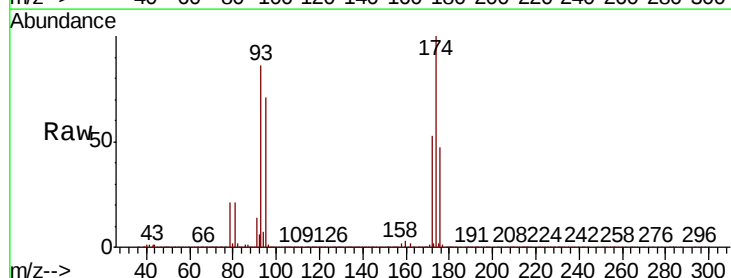
Tgt Ion: 93 Resp: 213837

Ion Ratio Lower Upper

93 100

95 81.4 65.8 98.6

174 117.0 90.4 135.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

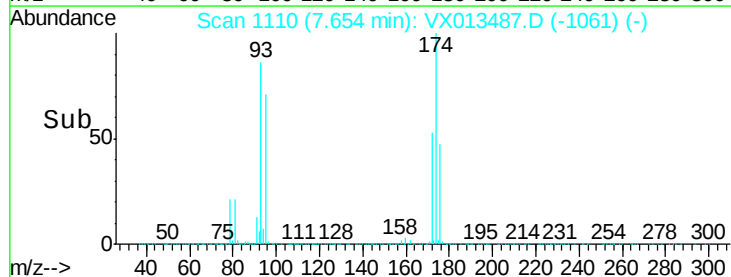
150000

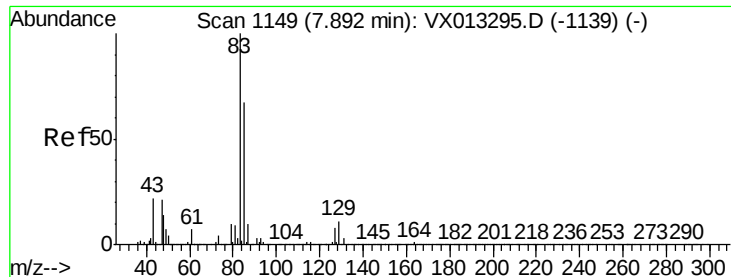
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 54.484 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

ClientSampled :

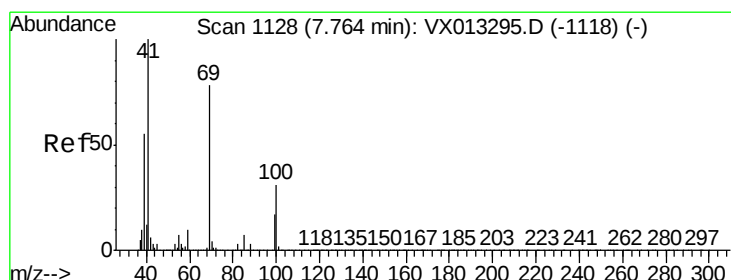
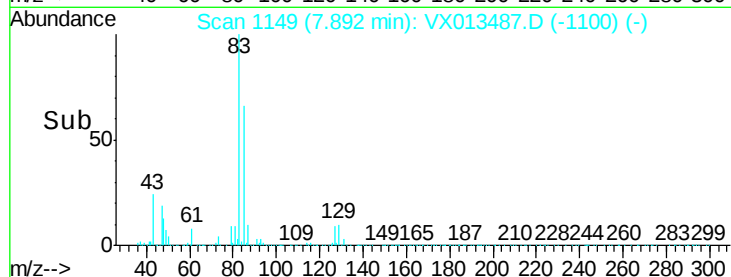
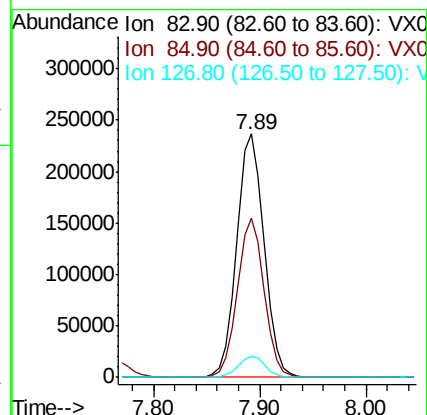
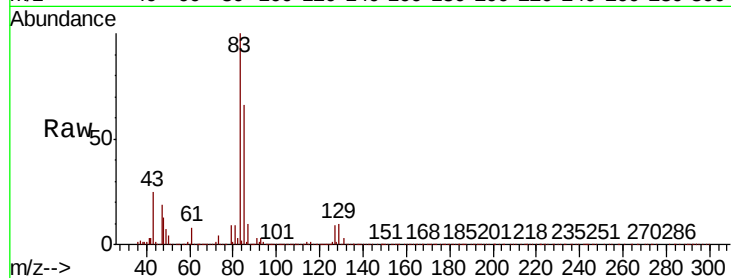
Tot Ion: 83 Resp: 425185

Ion Ratio Lower Upper

83 100

85 65.4 53.7 80.5

127 8.5 6.4 9.6



#48

Methyl methacrylate

Concen: 55.949 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

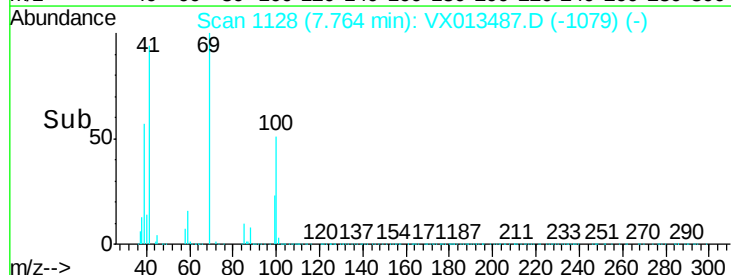
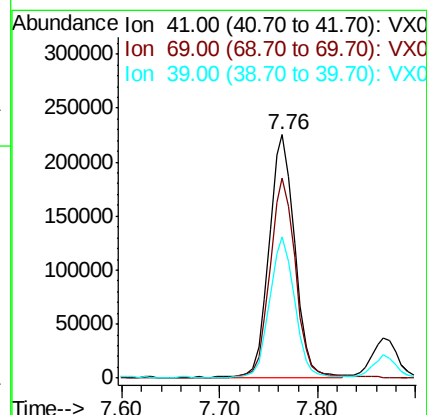
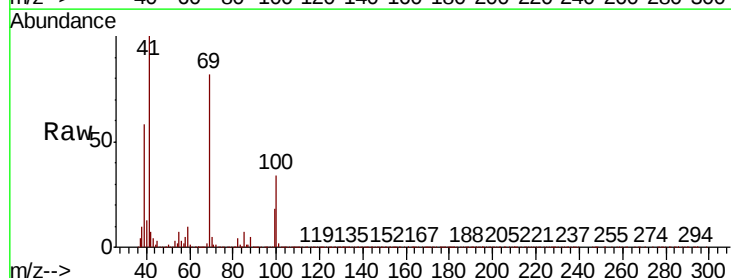
Tgt Ion: 41 Resp: 410399

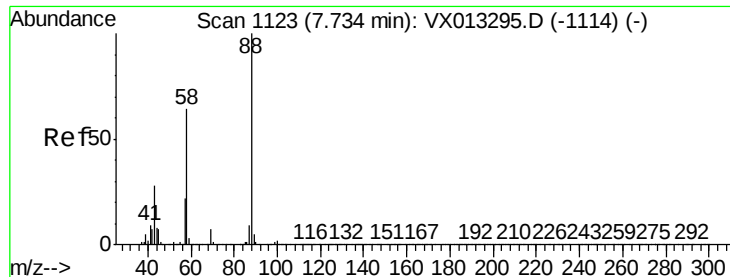
Ion Ratio Lower Upper

41 100

69 82.2 63.0 94.6

39 56.7 45.9 68.9





#49

1,4-Dioxane

Concen: 1251.133 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

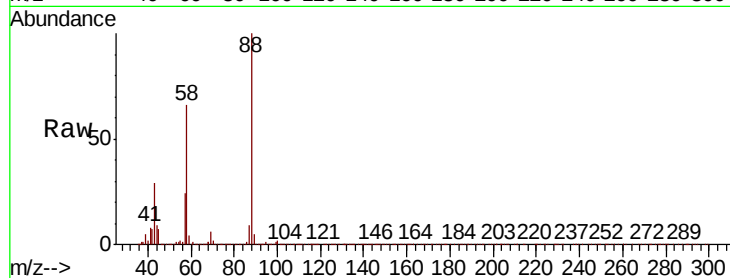
Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 88 Resp: 210170

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 32.2  | 26.6  | 39.8  |
| 58  | 69.1  | 55.0  | 82.6  |

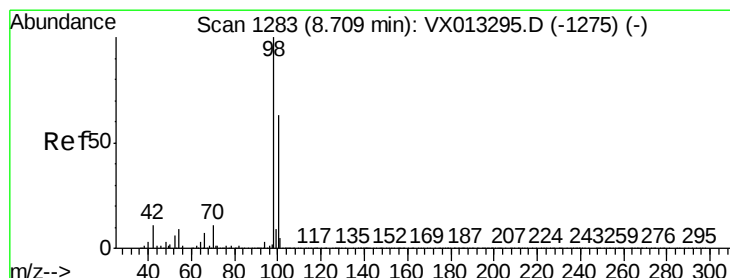
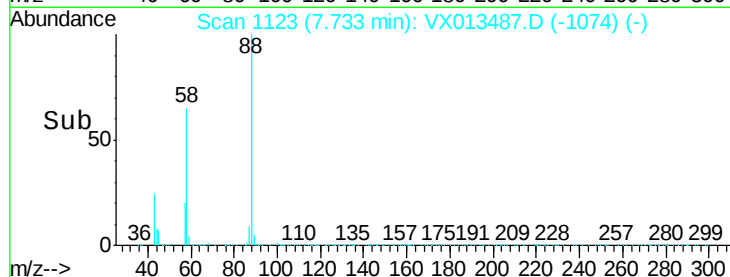
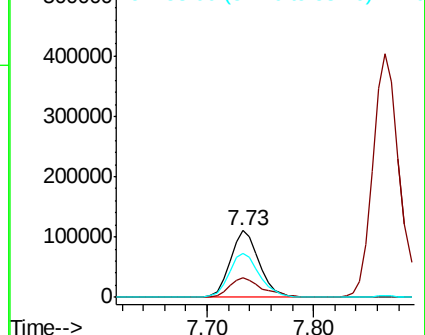


Abundance

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: 48.205 ug/l

RT: 8.71 min Scan# 1283

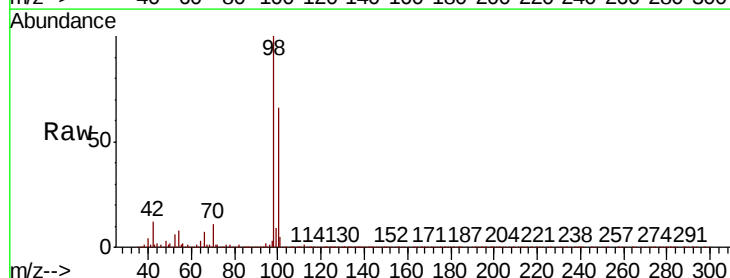
Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Tgt Ion: 98 Resp: 1014669

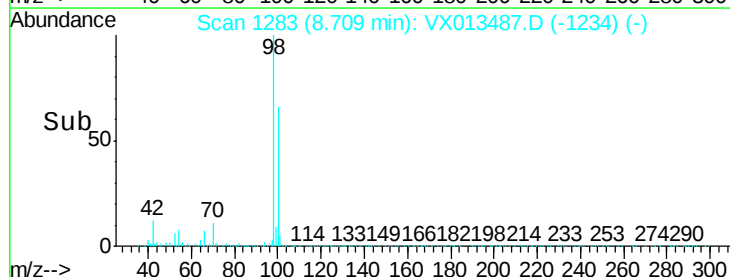
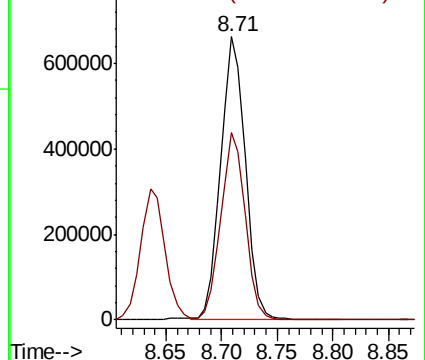
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 64.9  | 52.2  | 78.2  |



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: 294.860 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

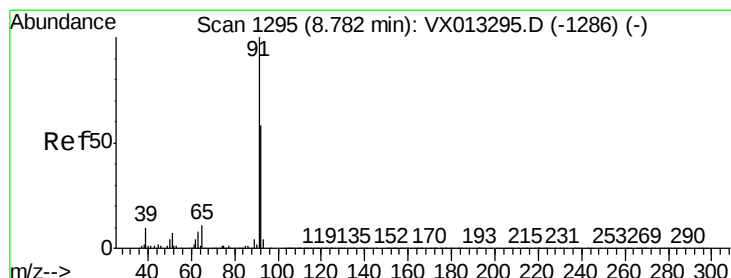
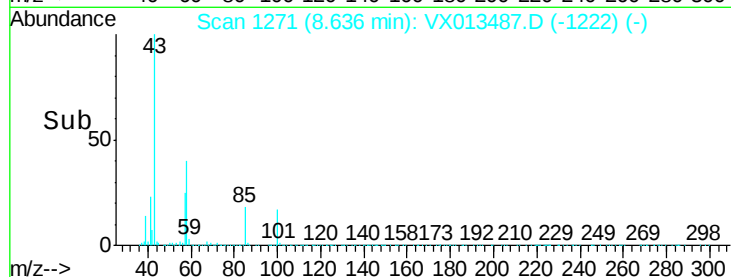
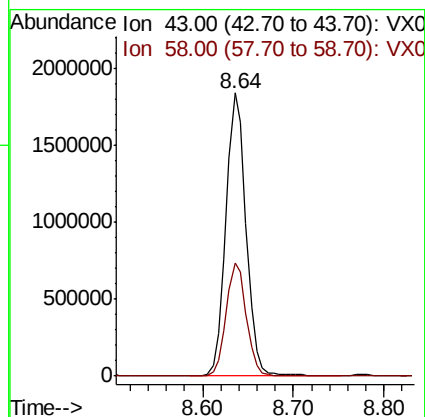
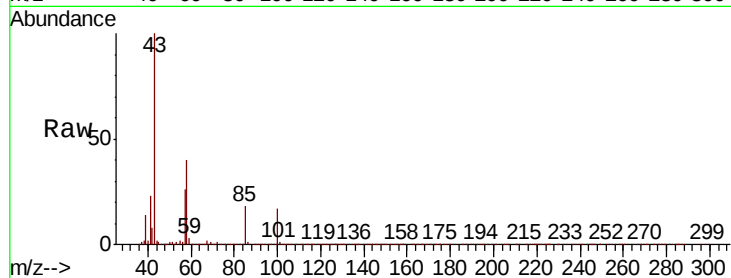
ClientSampleId :

Tot Ion: 43 Resp: 2842709

Ion Ratio Lower Upper

43 100

58 40.1 31.4 47.0



#52

Toluene

Concen: 52.892 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013487.D

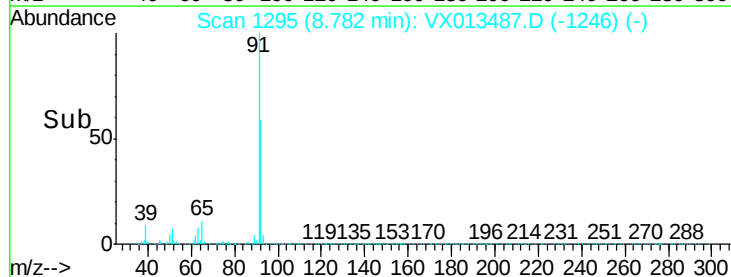
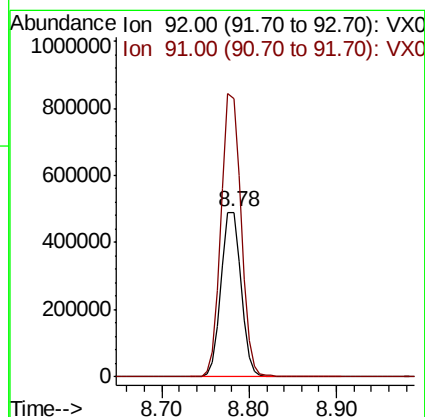
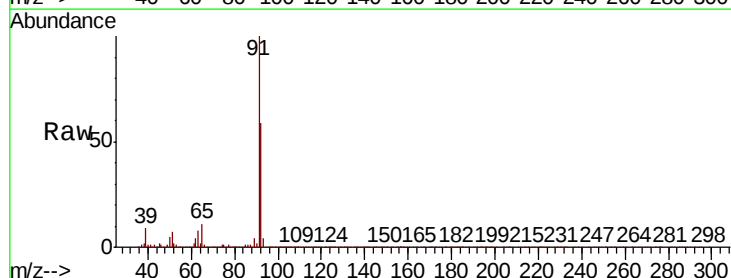
Acq: 20 Nov 2019 19:05

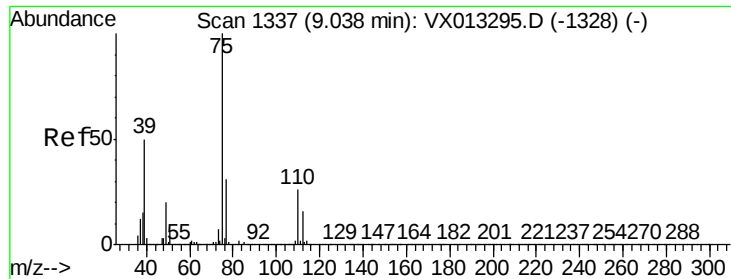
Tgt Ion: 92 Resp: 779844

Ion Ratio Lower Upper

92 100

91 171.0 138.0 207.0

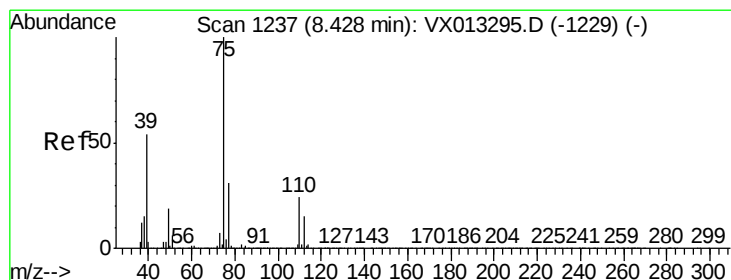
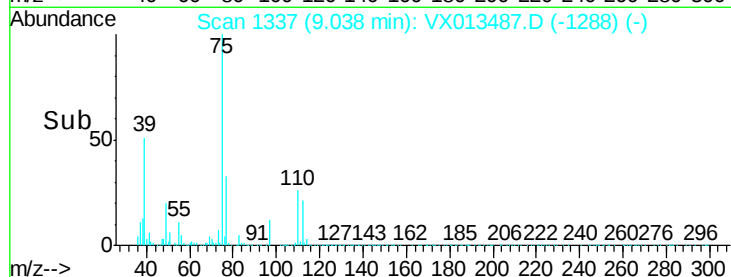
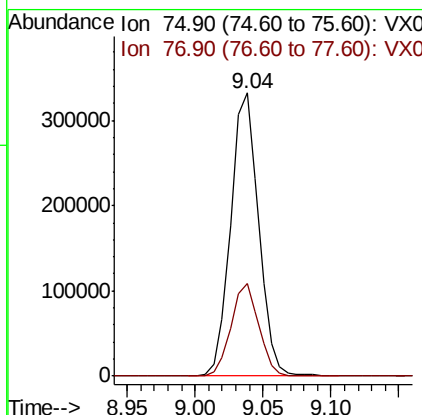
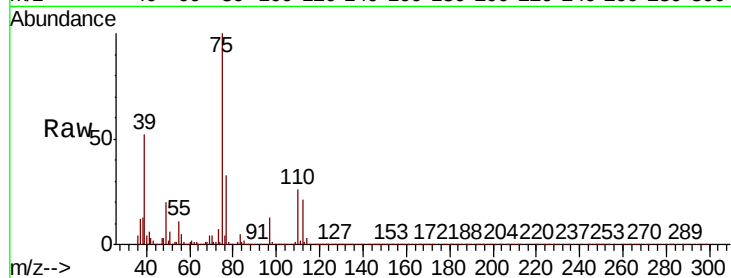




#53  
t-1,3-Dichloropropene  
Concen: 55.847 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

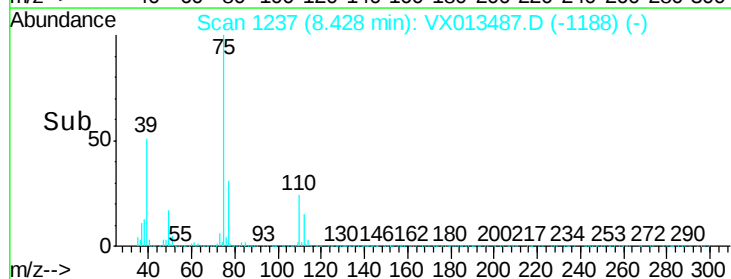
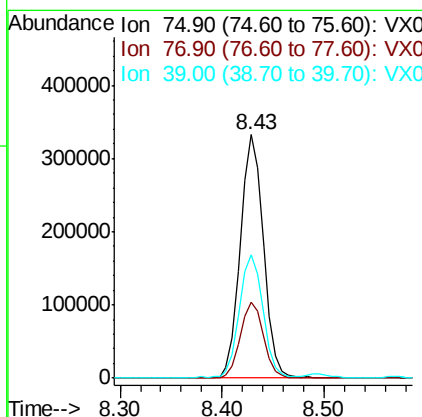
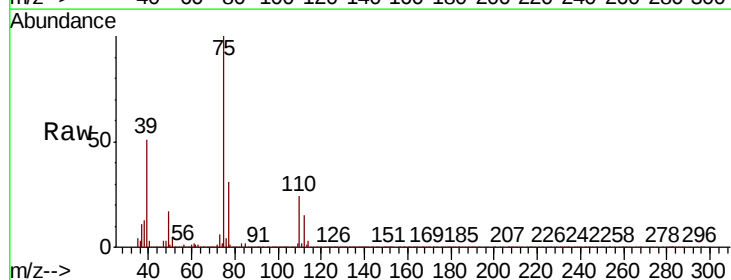
Instrument :  
MSVOA\_X  
ClientSampleId :

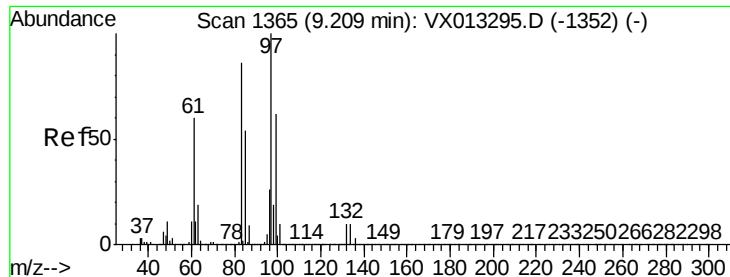
Tot Ion: 75 Resp: 476570  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 54.510 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 75 Resp: 520335  
Ion Ratio Lower Upper  
75 100  
77 31.3 24.7 37.1  
39 50.7 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 53.327 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 97 Resp: 325893

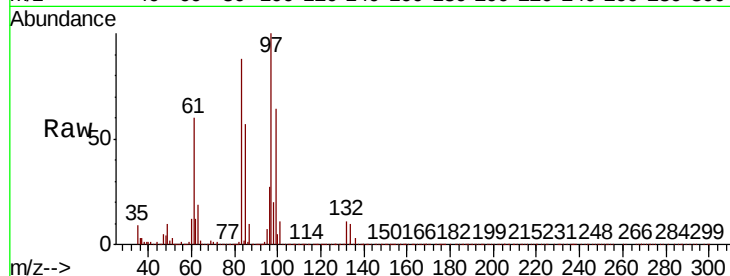
Ion Ratio Lower Upper

97 100

83 88.0 68.6 103.0

85 56.6 43.1 64.7

99 63.4 49.4 74.0

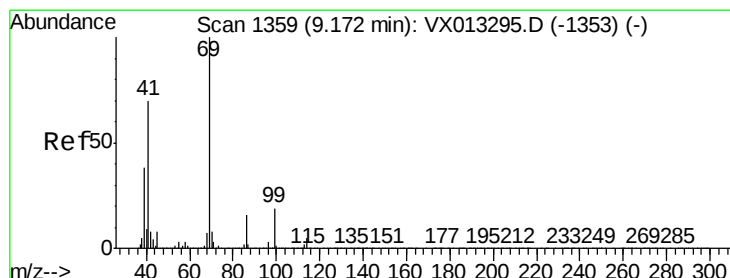
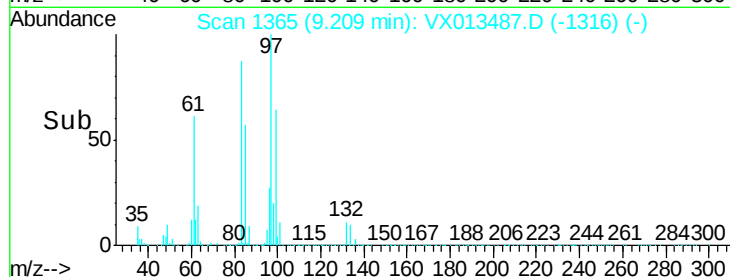
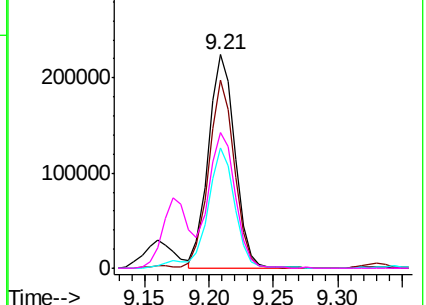


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 53.758 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

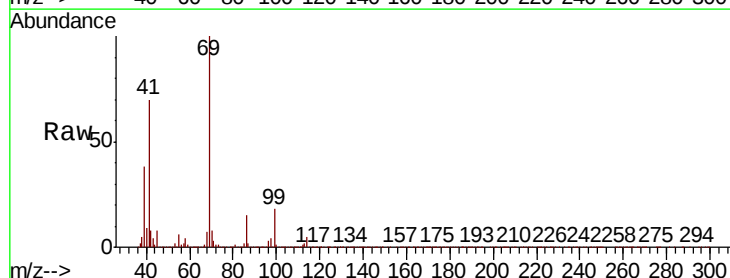
Tgt Ion: 69 Resp: 562136

Ion Ratio Lower Upper

69 100

41 69.6 56.2 84.2

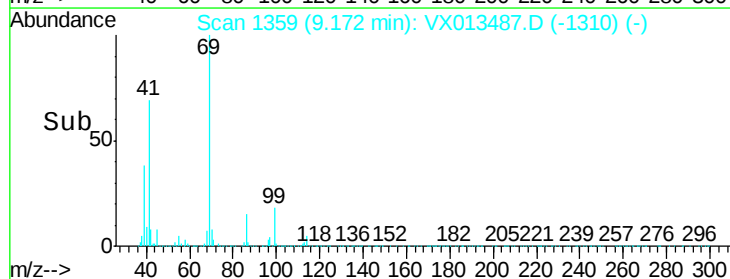
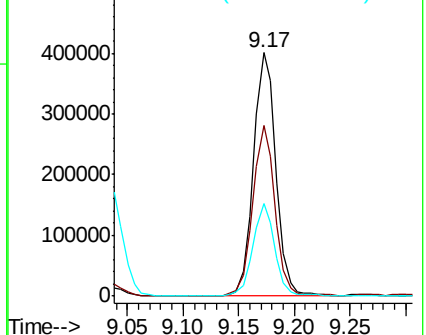
39 36.7 31.1 46.7

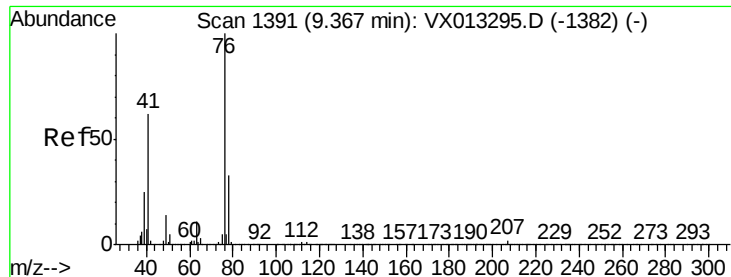


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 53.258 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

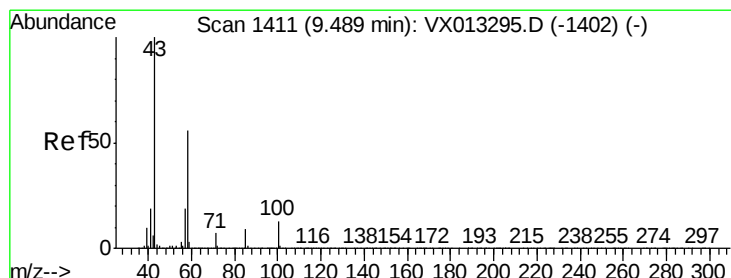
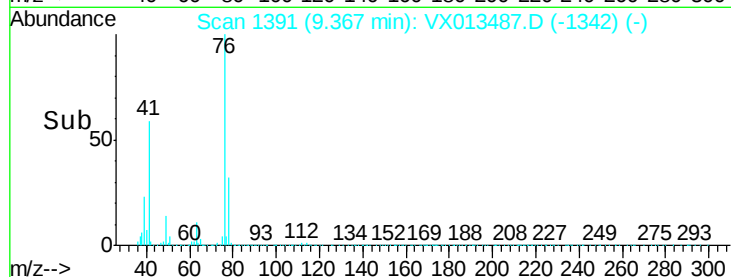
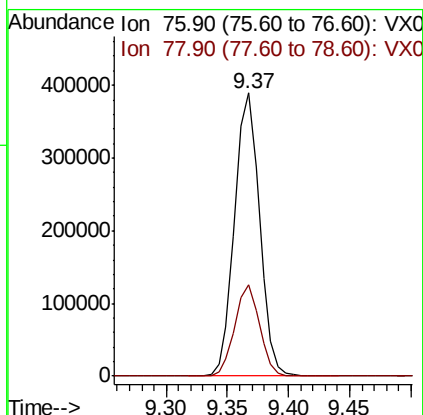
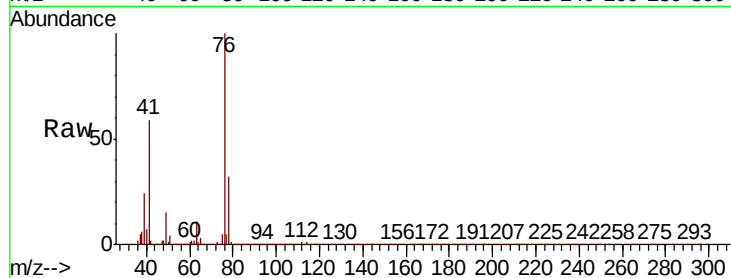
ClientSampleId :

Tot Ion: 76 Resp: 552507

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#59

2-Hexanone

Concen: 300.067 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX013487.D

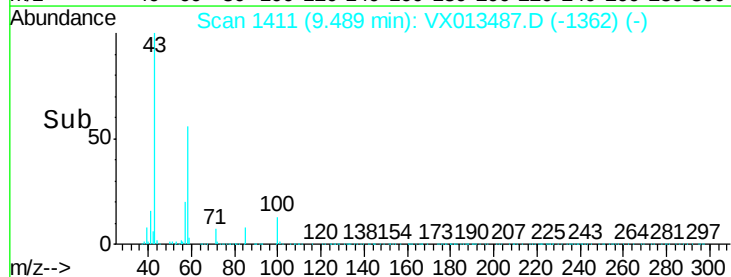
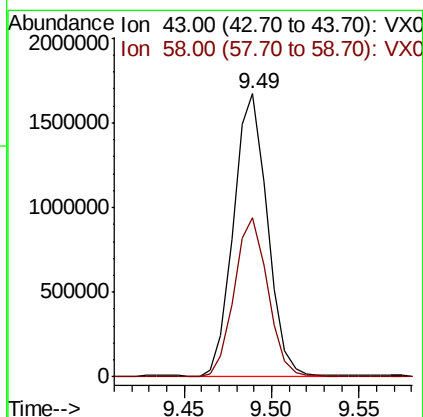
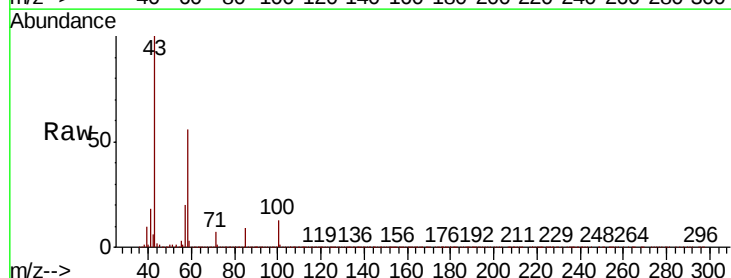
Acq: 20 Nov 2019 19:05

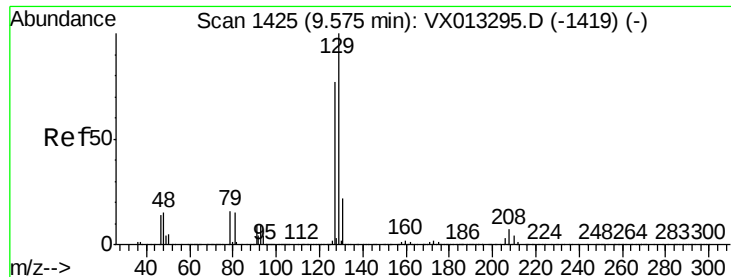
Tgt Ion: 43 Resp: 2235576

Ion Ratio Lower Upper

43 100

58 56.6 27.3 81.8





#60

Dibromochloromethane

Concen: 55.815 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

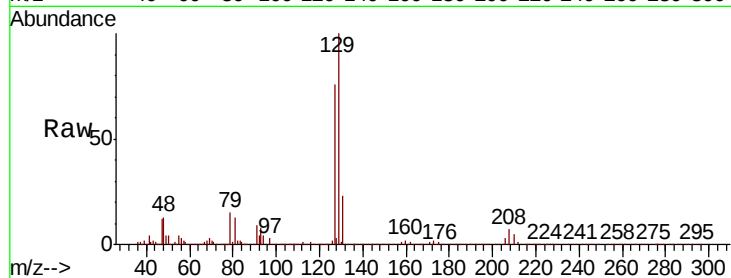
ClientSampleId :

Tot Ion:129 Resp: 348851

Ion Ratio Lower Upper

129 100

127 77.2 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

250000

200000

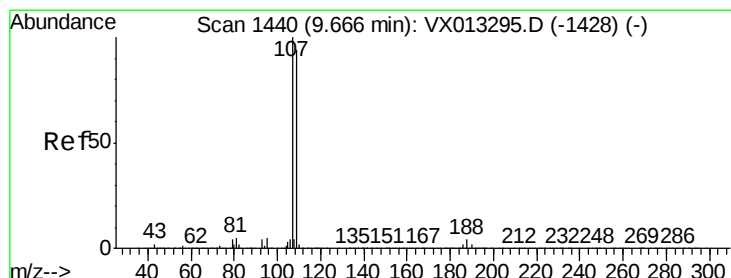
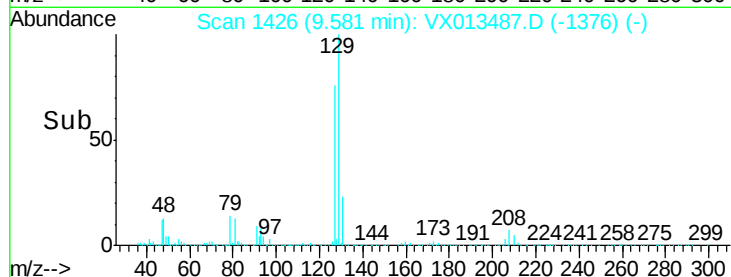
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 53.229 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013487.D

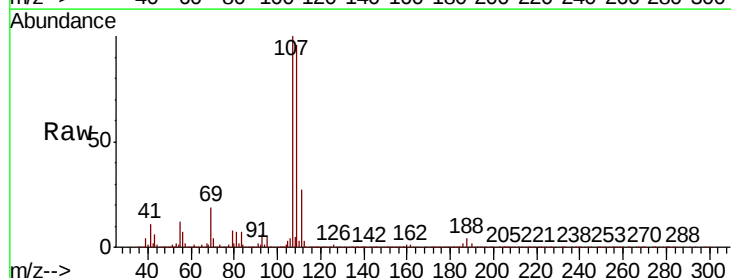
Acq: 20 Nov 2019 19:05

Tgt Ion:107 Resp: 345427

Ion Ratio Lower Upper

107 100

109 94.7 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

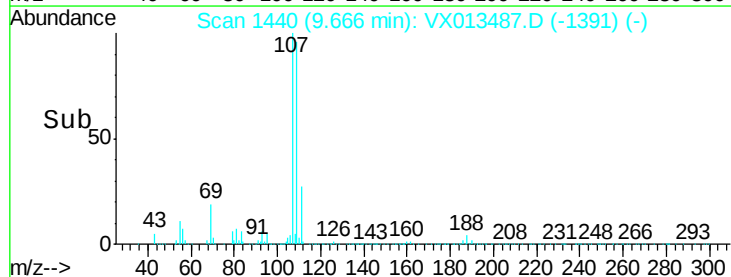
150000

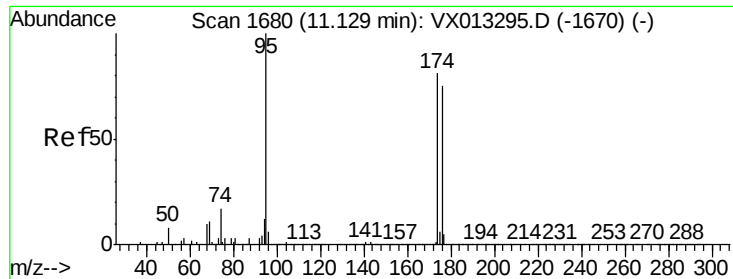
100000

50000

0

Time-->

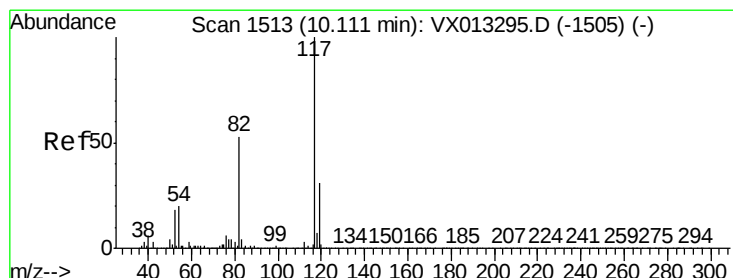
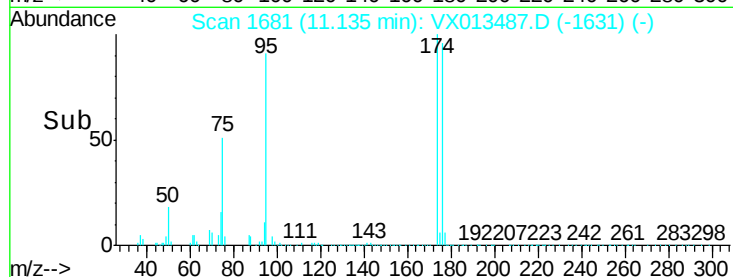
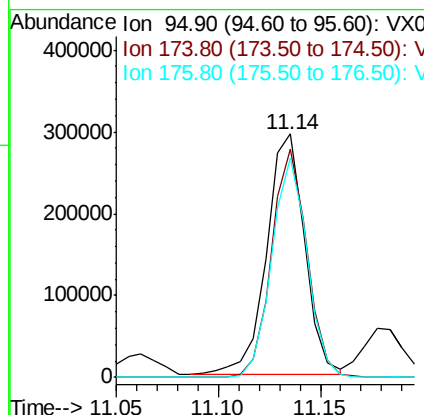
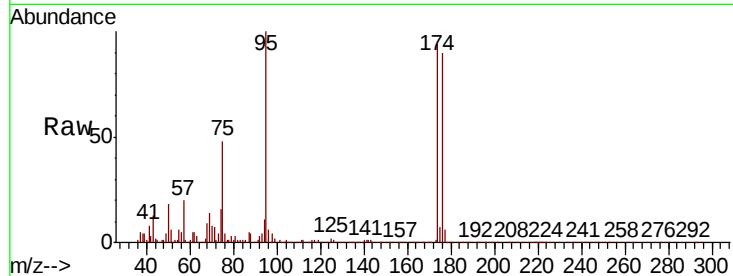




#62  
4-Bromofluorobenzene  
Concen: 50.505 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

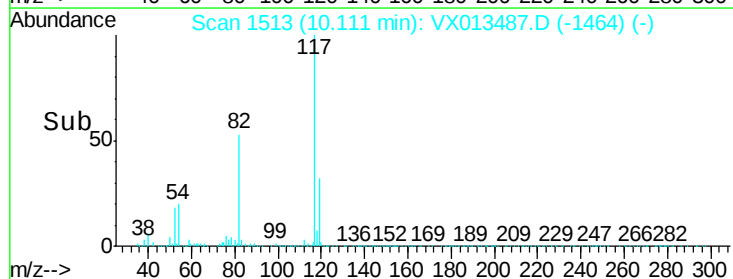
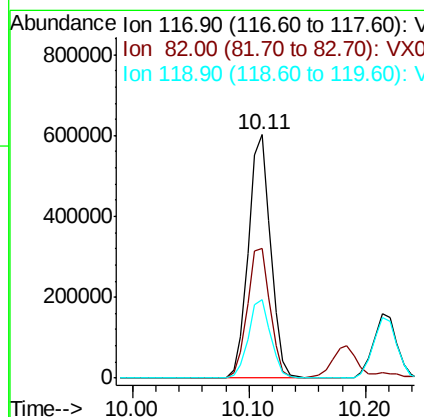
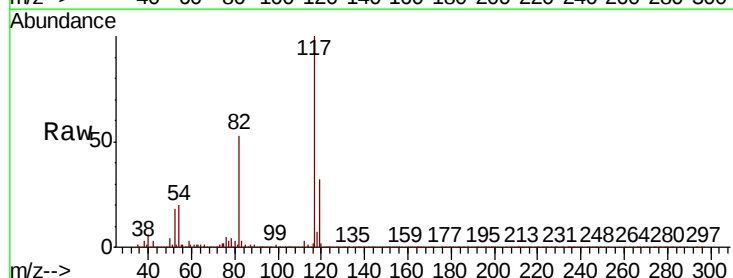
Instrument :  
MSVOA\_X  
ClientSampleId :

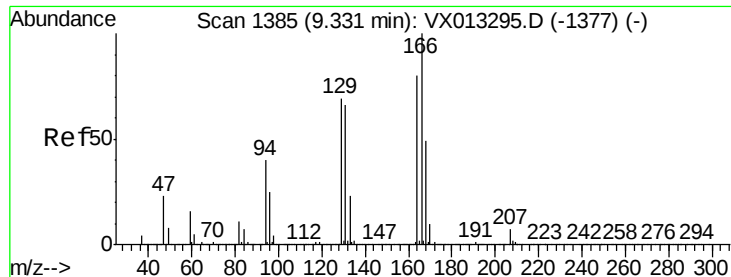
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 87.8  | 0.0   | 179.8 |
| 176     | 84.6  | 0.0   | 173.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 42.6  | 64.0  |
| 119     | 32.3  | 24.8  | 37.2  |





#64

Tetrachloroethene

Concen: 49.935 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:164 Resp: 287521

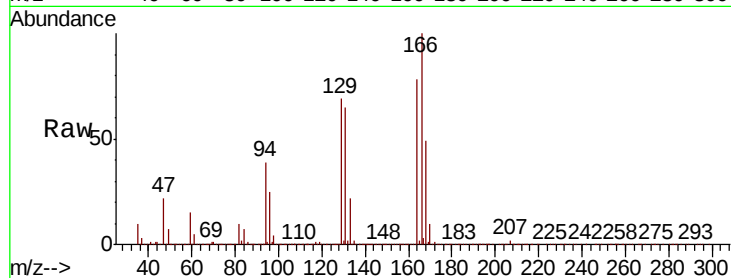
Ion Ratio Lower Upper

164 100

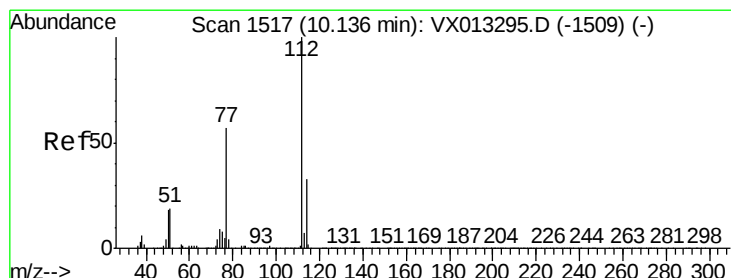
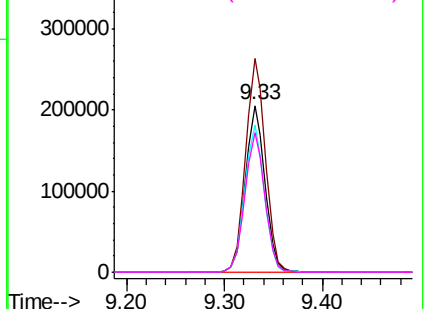
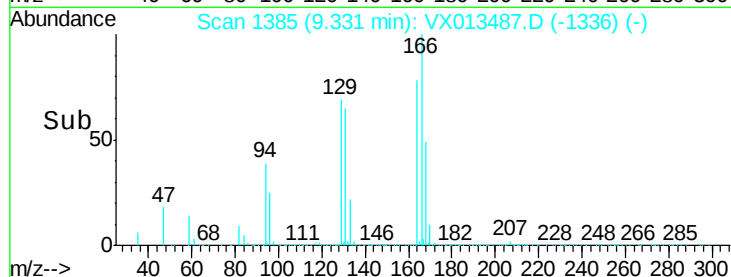
166 127.9 100.4 150.6

129 88.5 69.4 104.2

131 83.5 66.6 100.0



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: 52.556 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013487.D

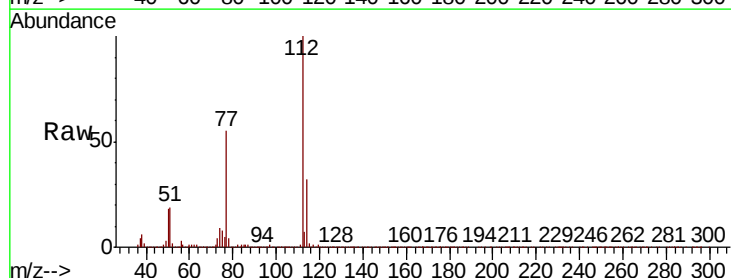
Acq: 20 Nov 2019 19:05

Tgt Ion:112 Resp: 855820

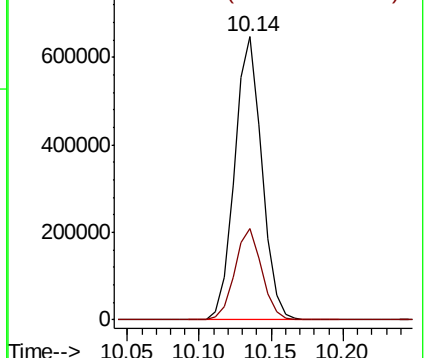
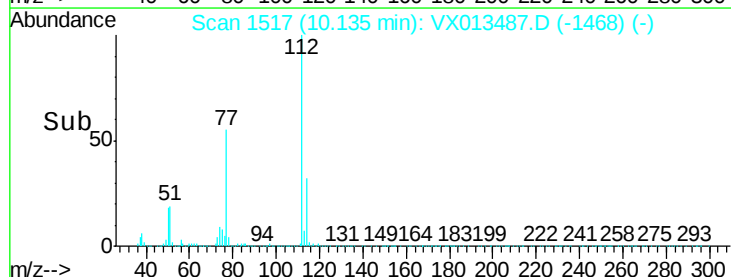
Ion Ratio Lower Upper

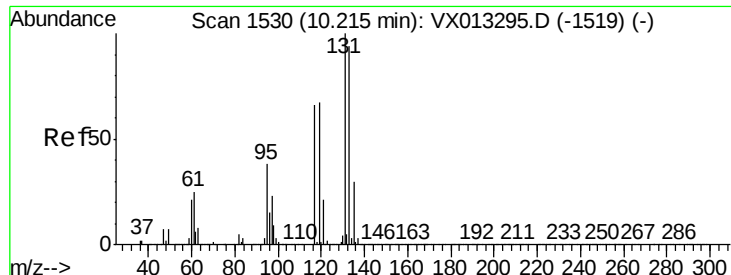
112 100

114 32.1 26.4 39.6



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

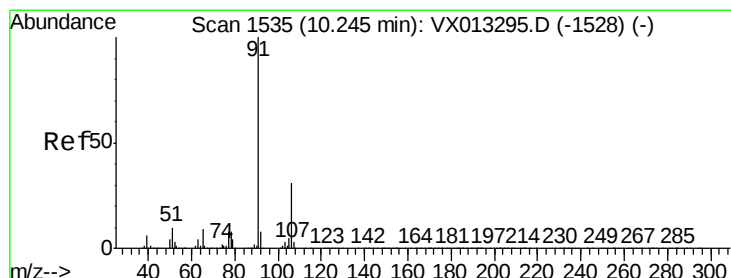
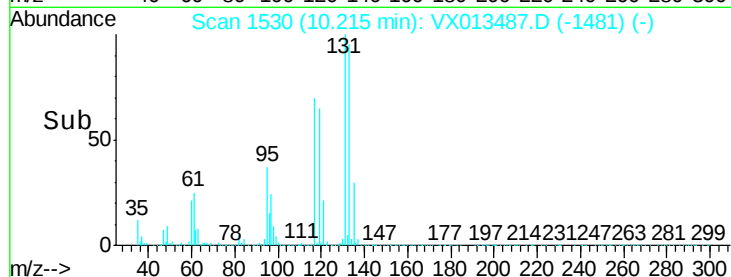
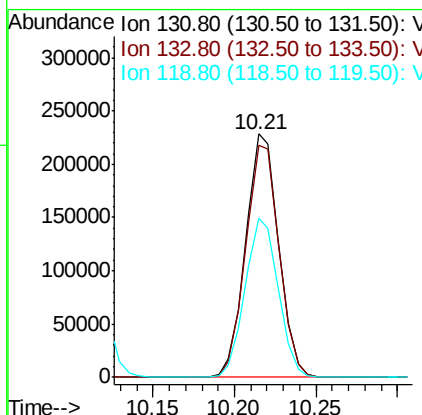
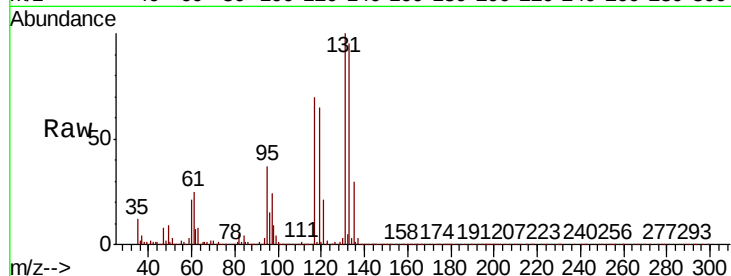




#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 53.797 ug/l  
 RT: 10.21 min Scan# 1530  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

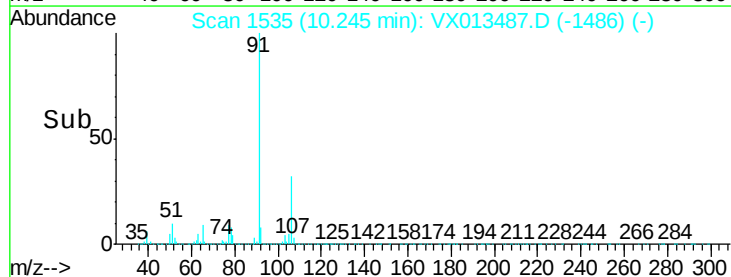
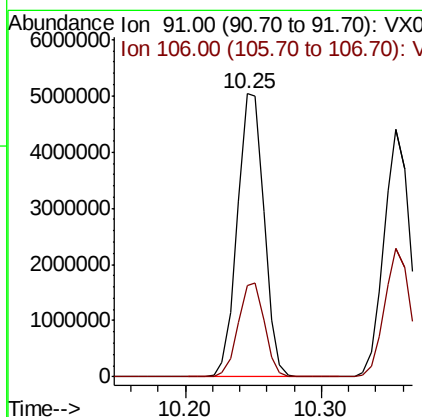
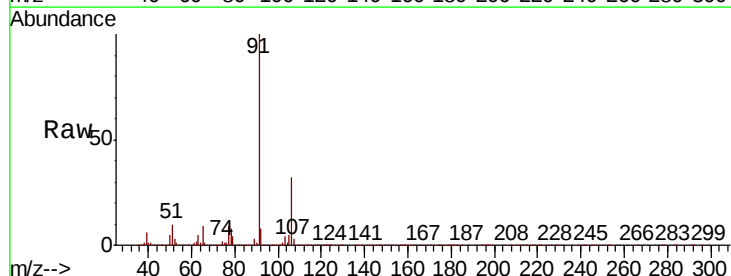
Instrument :  
 MSVOA\_X  
 ClientSampleId :

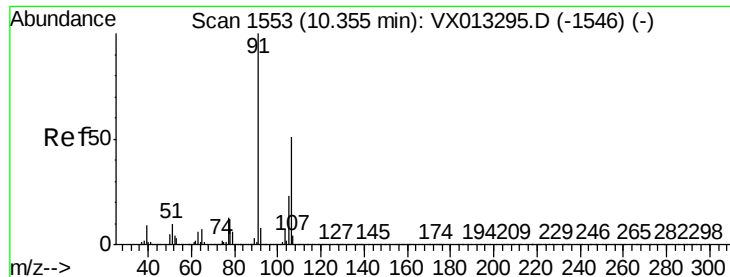
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.8  | 48.0  | 144.0 |
| 119     | 66.0  | 33.0  | 99.0  |



#67  
 Ethyl Benzene  
 Concen: 244.960 ug/l  
 RT: 10.25 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 32.5  | 24.6  | 36.8  |





#68

m/p-Xylenes

Concen: 282.999 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

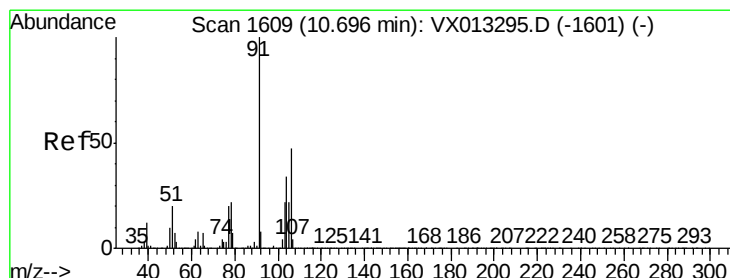
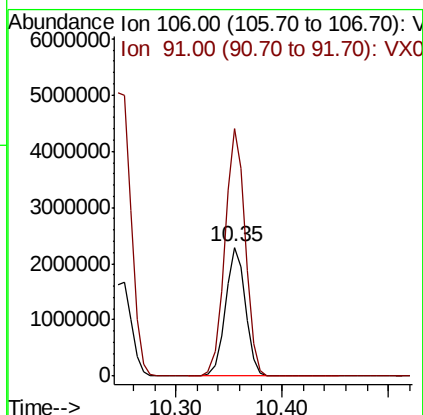
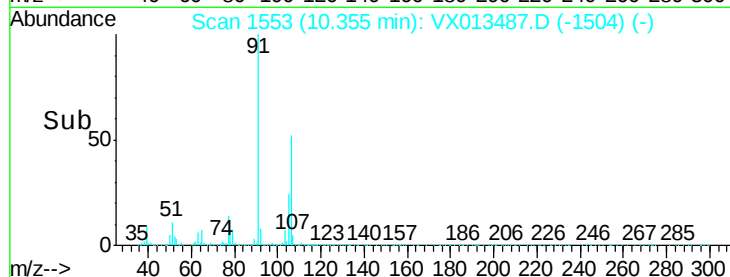
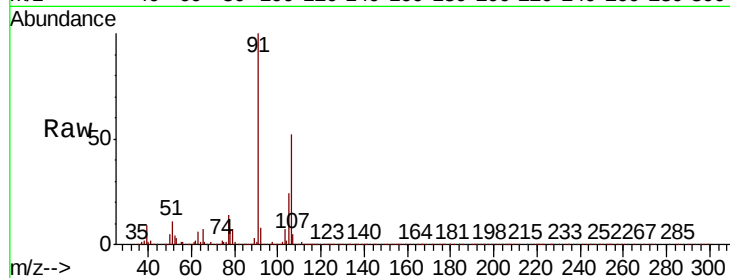
ClientSampleId :

Tot Ion:106 Resp: 3007962

Ion Ratio Lower Upper

106 100

91 195.3 159.3 238.9



#69

o-Xylene

Concen: 183.939 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013487.D

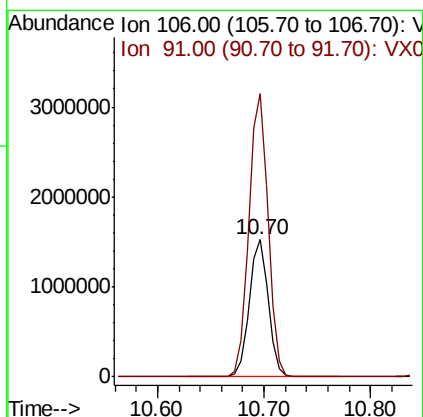
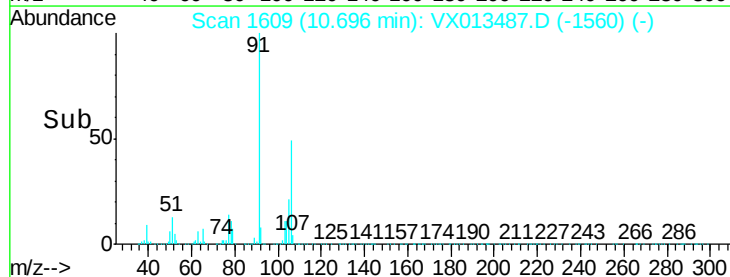
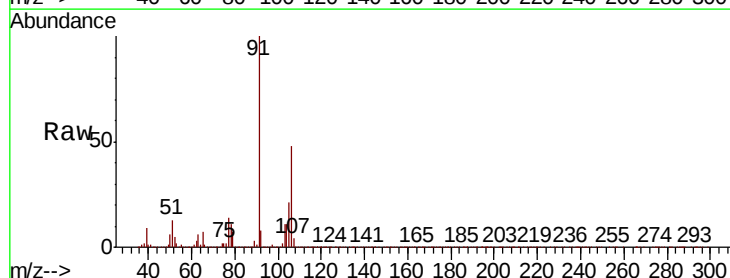
Acq: 20 Nov 2019 19:05

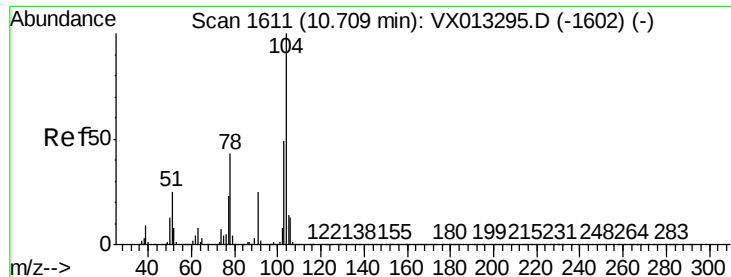
Tgt Ion:106 Resp: 1914065

Ion Ratio Lower Upper

106 100

91 208.5 105.7 317.0

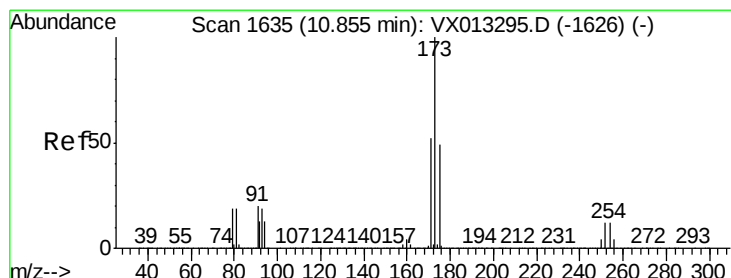
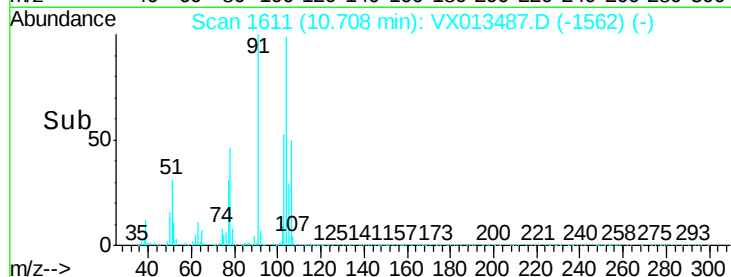
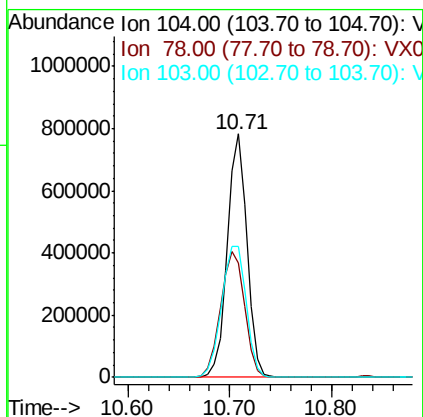
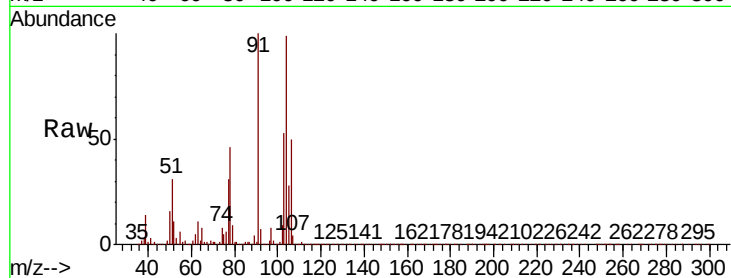




#70  
Stvrene  
Concen: 59.551 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

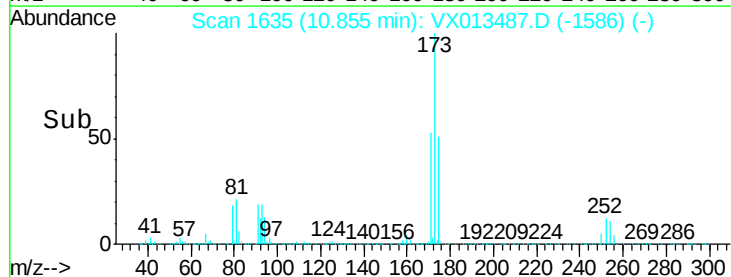
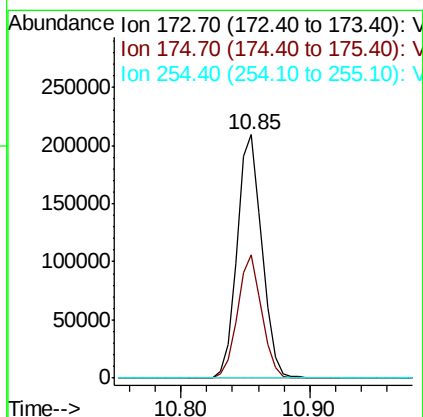
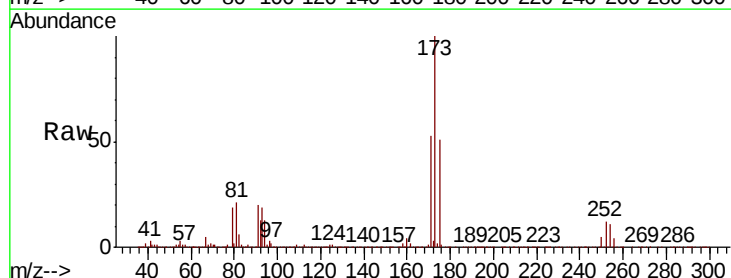
Instrument :  
MSVOA\_X  
ClientSampleId :

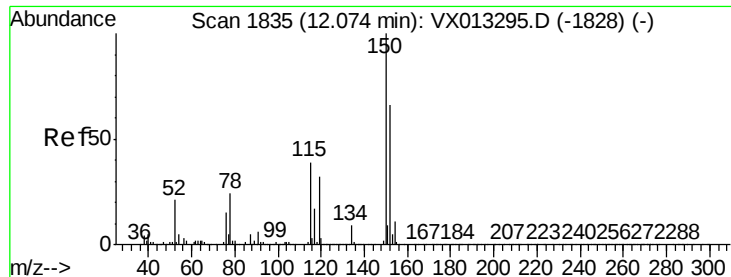
Tot Ion:104 Resp: 1035889  
Ion Ratio Lower Upper  
104 100  
78 63.8 40.0 60.0#  
103 68.3 44.1 66.1#



#71  
Bromoform  
Concen: 50.369 ug/l  
RT: 10.85 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion:173 Resp: 279372  
Ion Ratio Lower Upper  
173 100  
175 49.1 24.8 74.4  
254 0.2 0.2 0.2



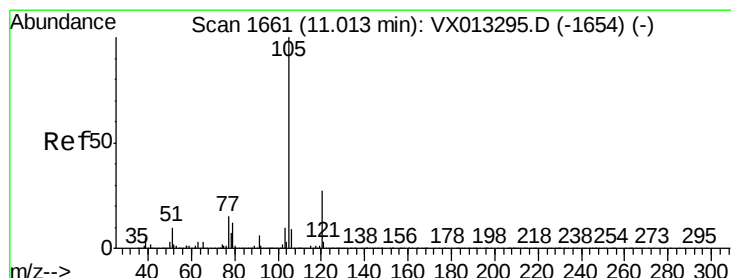
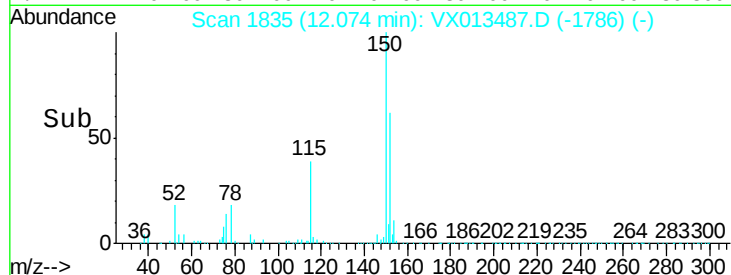
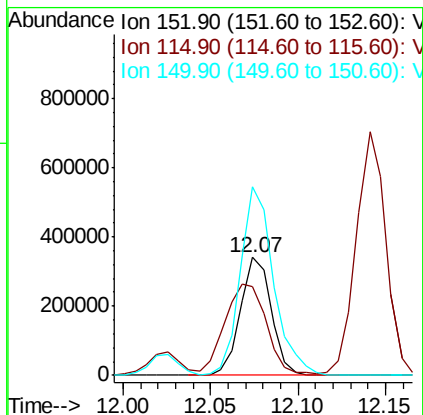
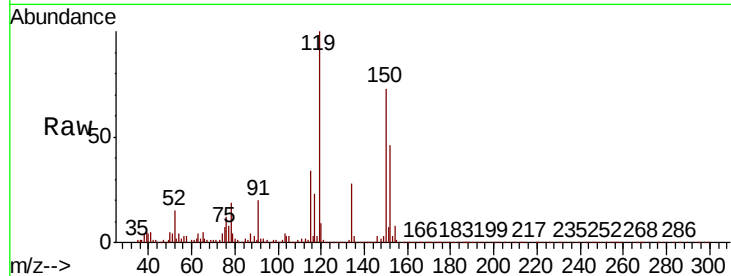


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampleId :

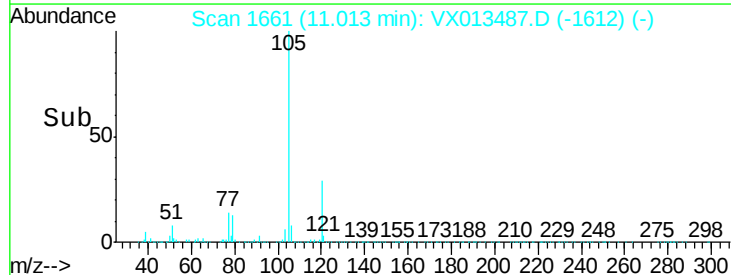
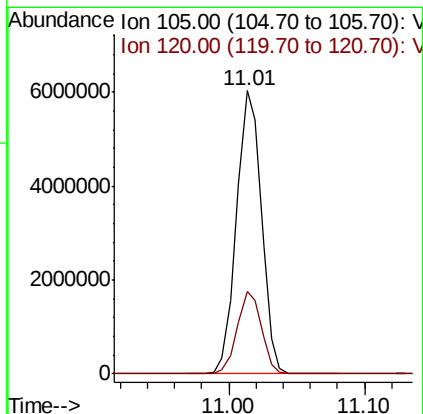
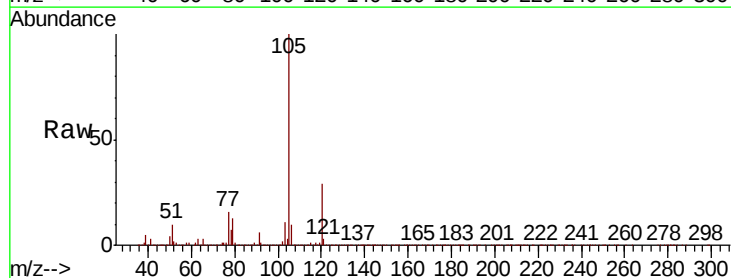
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 102.1 | 39.5  | 118.3 |
| 150     | 173.1 | 0.0   | 344.4 |

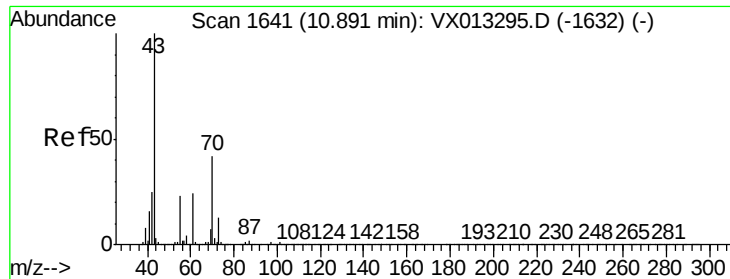


#73

Isopropylbenzene  
Concen: 277.835 ug/l  
RT: 11.01 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 28.3  | 13.5  | 40.5  |





#74

N-amvl acetate

Concen: 62.968 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

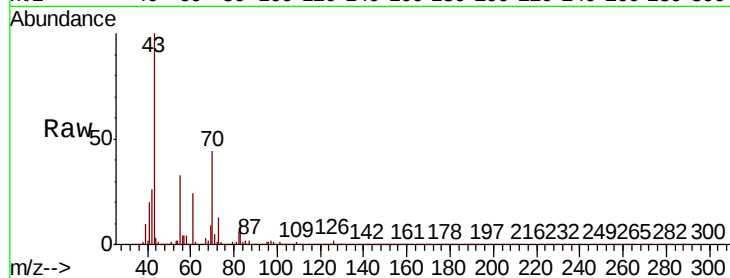
MSVOA\_X

ClientSampleId :

Tot Ion: 43 Resp: 808173

Ion Ratio Lower Upper

|    |      |      |      |
|----|------|------|------|
| 43 | 100  |      |      |
| 70 | 48.9 | 34.1 | 51.1 |
| 55 | 64.8 | 18.9 | 28.3 |
| 61 | 23.0 | 19.2 | 28.8 |

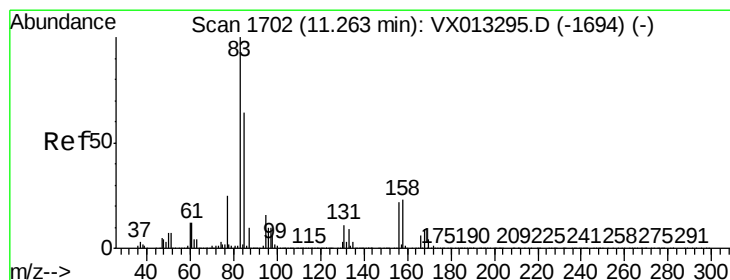
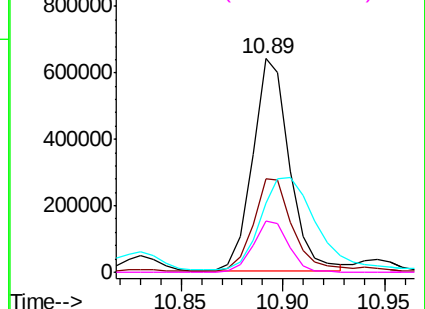
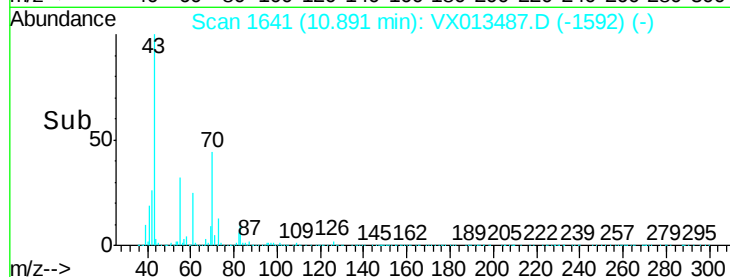


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 58.567 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

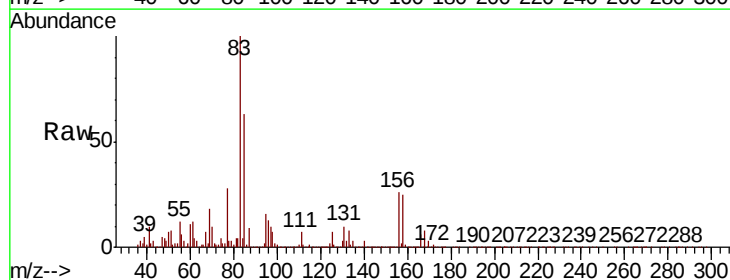
Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Tgt Ion: 83 Resp: 591358

Ion Ratio Lower Upper

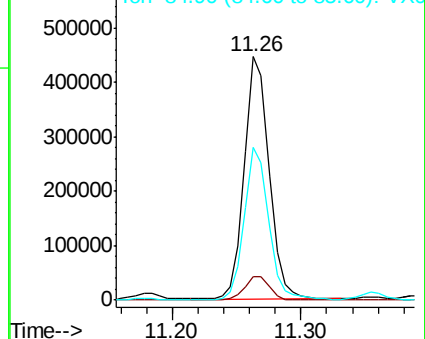
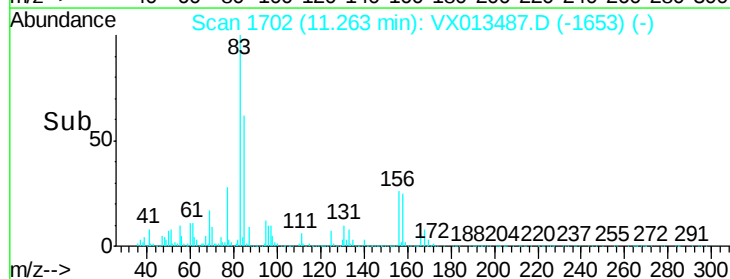
|     |      |      |      |
|-----|------|------|------|
| 83  | 100  |      |      |
| 131 | 9.8  | 5.1  | 15.3 |
| 85  | 61.8 | 32.3 | 96.8 |

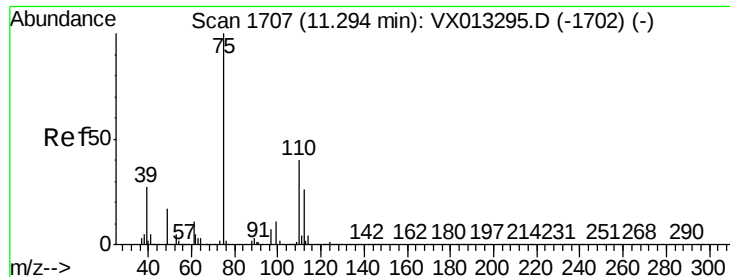


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



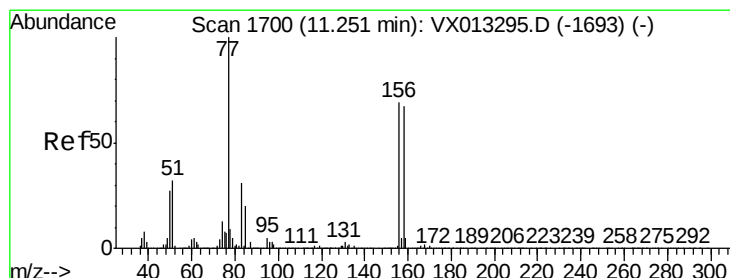
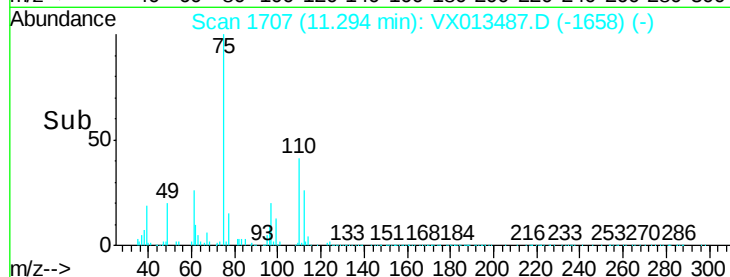
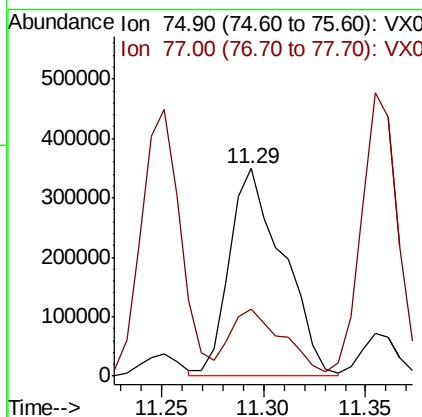
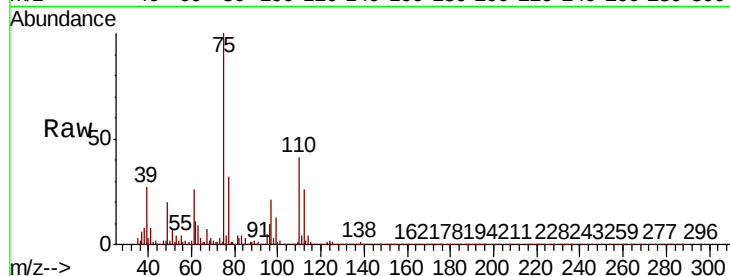


#76

1,2,3-Trichloropropane  
Concen: 75.087 ug/l  
RT: 11.29 min Scan# 1707  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampleId :

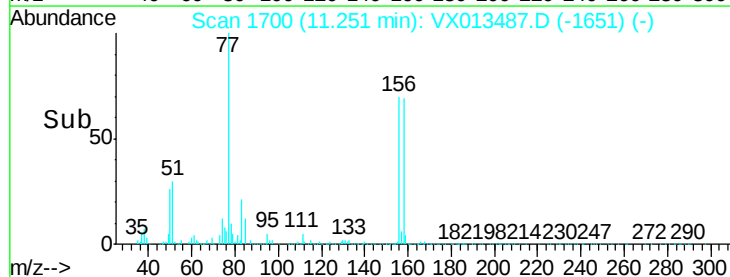
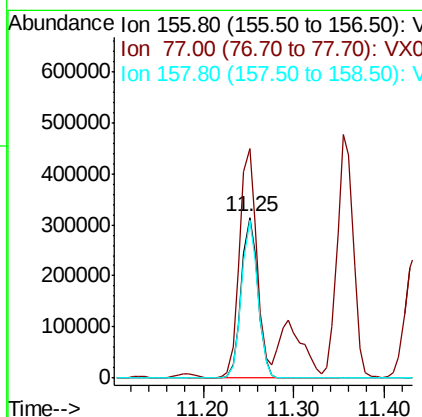
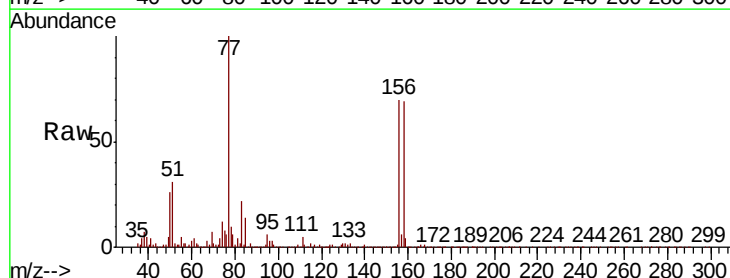
Tot Ion: 75 Resp: 636659  
Ion Ratio Lower Upper  
75 100  
77 31.5 22.3 66.8

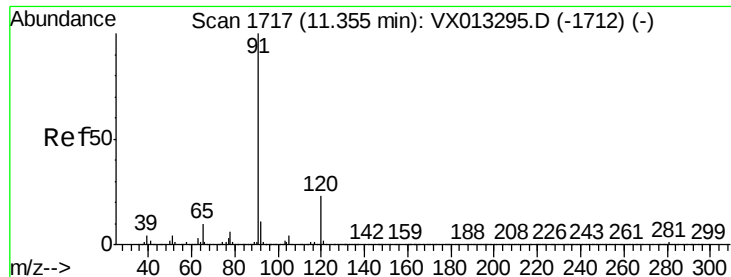


#77

Bromobenzene  
Concen: 54.457 ug/l  
RT: 11.25 min Scan# 1700  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 156 Resp: 401807  
Ion Ratio Lower Upper  
156 100  
77 147.7 75.8 227.4  
158 96.1 47.6 142.8





#78

n-propylbenzene

Concen: 399.702 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

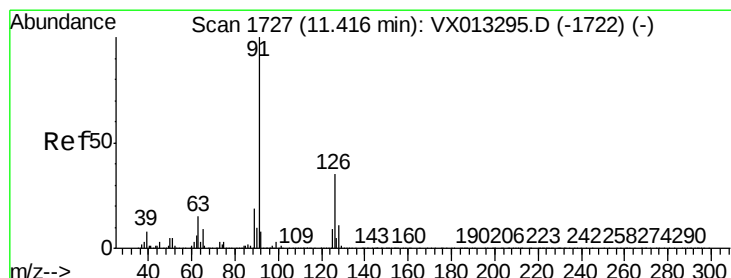
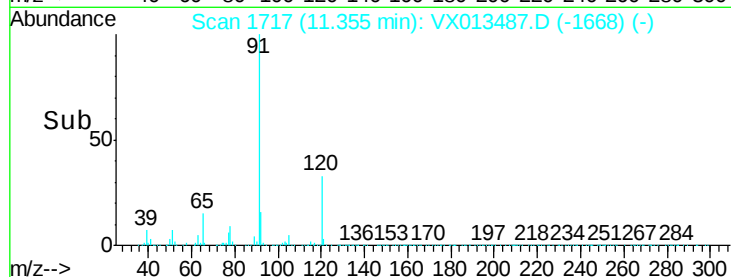
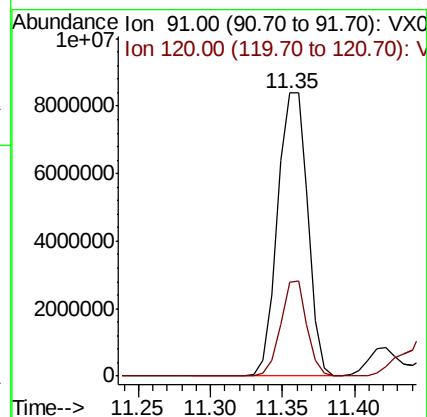
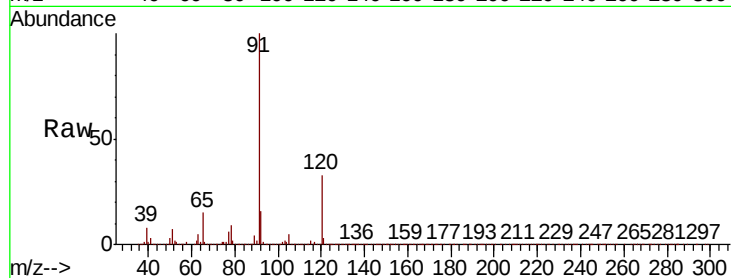
ClientSampled :

Tot Ion: 91 Resp:12323294

Ion Ratio Lower Upper

91 100

120 29.0 11.6 34.8



#79

2-Chlorotoluene

Concen: 70.514 ug/l

RT: 11.42 min Scan# 1728

Delta R.T. 0.01 min

Lab File: VX013487.D

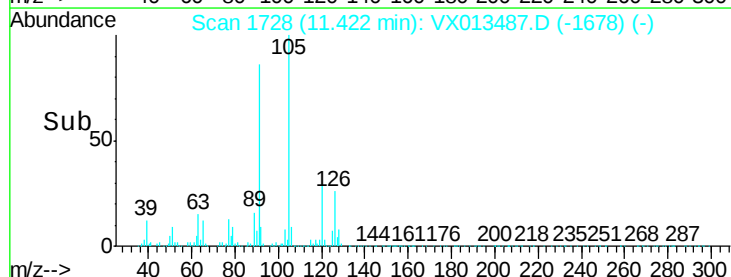
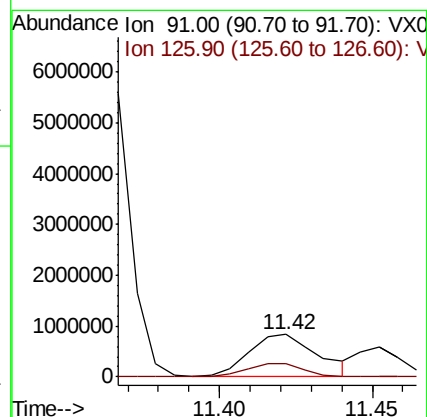
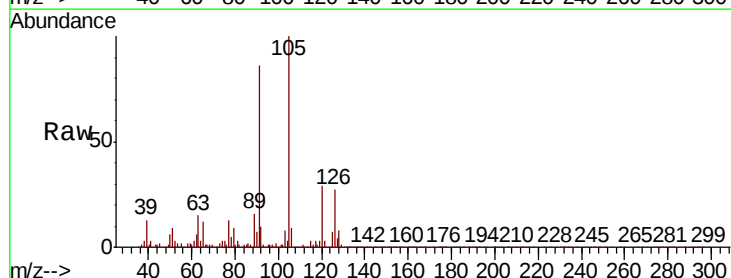
Acq: 20 Nov 2019 19:05

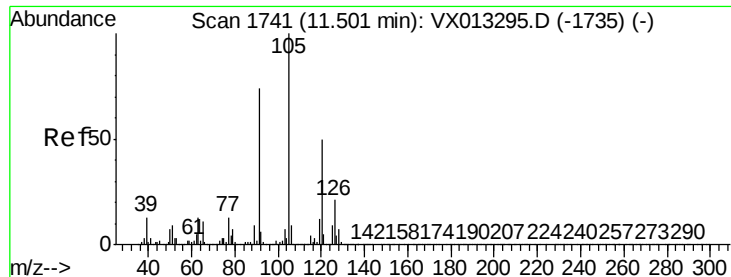
Tgt Ion: 91 Resp: 1309841

Ion Ratio Lower Upper

91 100

126 26.1 17.3 52.0



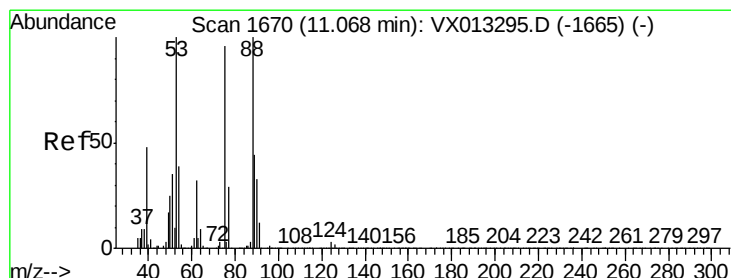
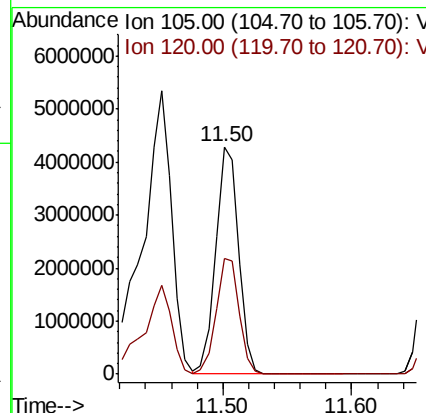
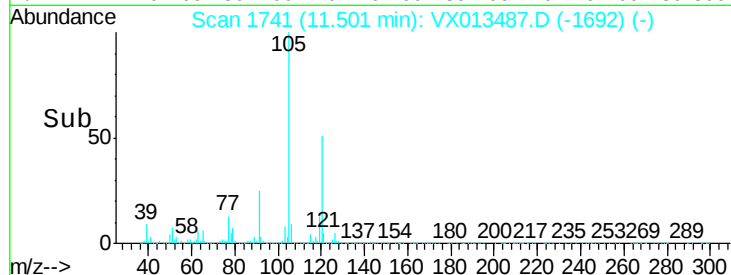
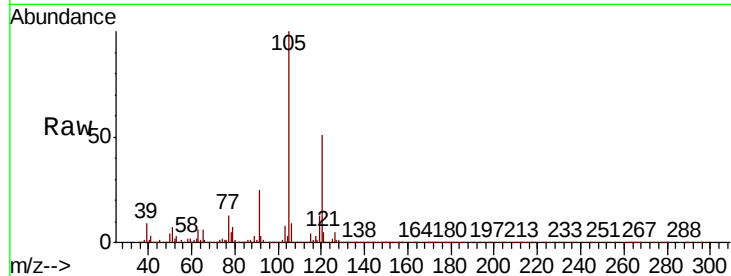


#80

1,3,5-Trimethylbenzene  
Concen: 232.437 ug/l  
RT: 11.50 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Instrument :  
MSVOA\_X  
ClientSampleId :

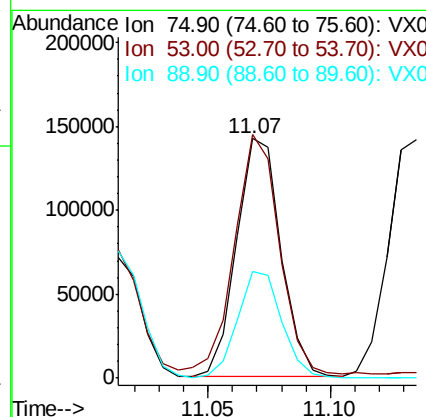
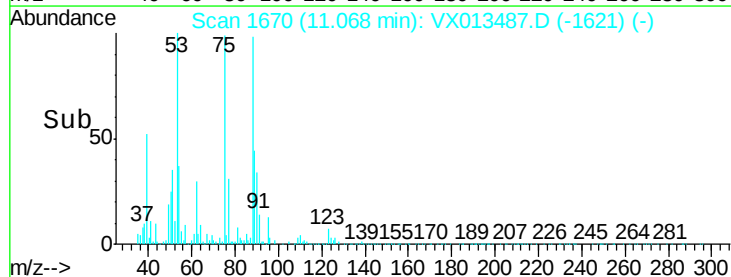
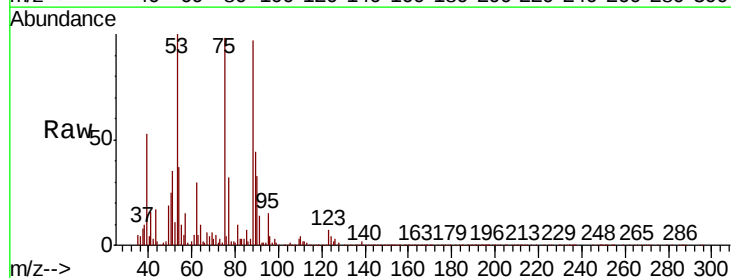
Tot Ion:105 Resp: 5358597  
Ion Ratio Lower Upper  
105 100  
120 51.2 24.9 74.8

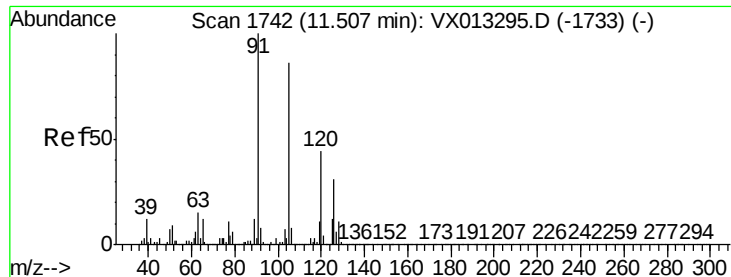


#81

trans-1,4-Dichloro-2-butene  
Concen: 54.247 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 75 Resp: 178696  
Ion Ratio Lower Upper  
75 100  
53 101.6 81.0 121.6  
89 44.5 36.0 54.0





#82

4-Chlorotoluene

Concen: 72.177 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

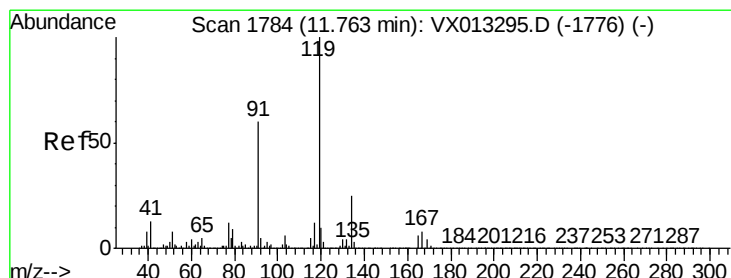
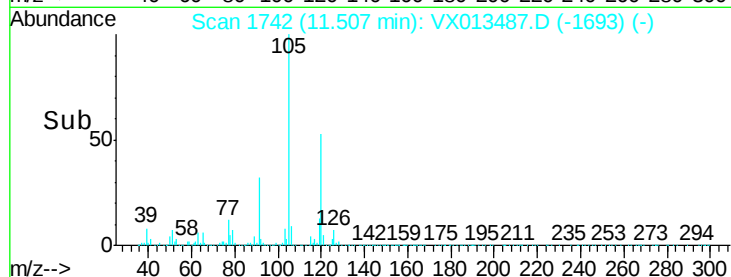
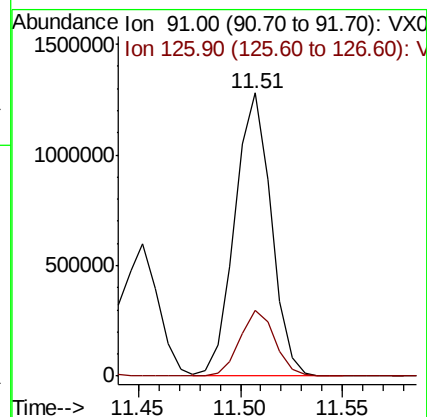
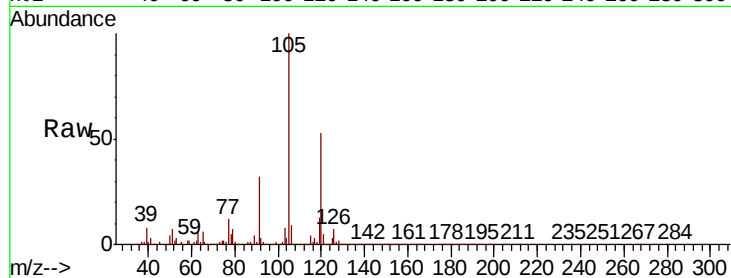
ClientSampled :

Tot Ion: 91 Resp: 1569467

Ion Ratio Lower Upper

91 100

126 22.6 15.3 45.8



#83

tert-Butylbenzene

Concen: 80.022 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

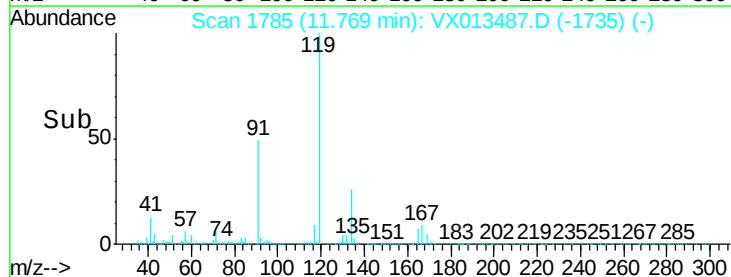
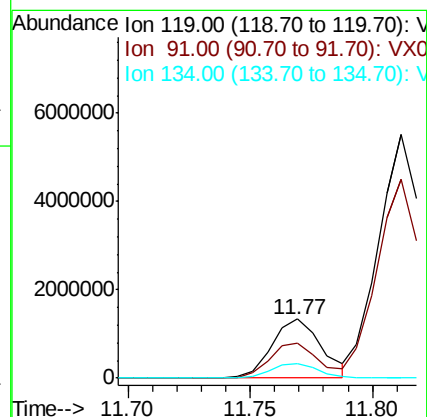
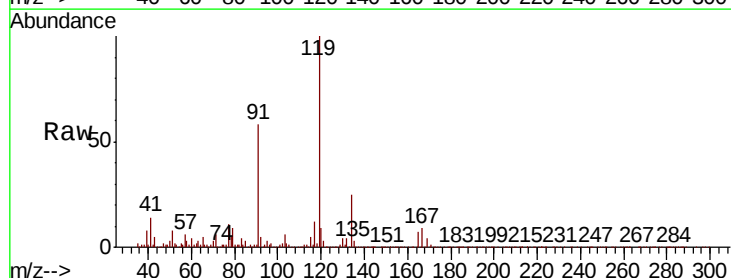
Tgt Ion: 119 Resp: 1857074

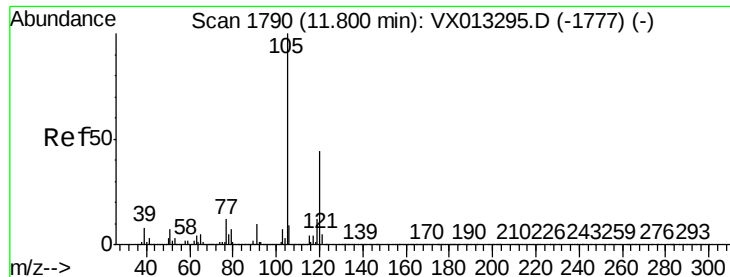
Ion Ratio Lower Upper

119 100

91 59.3 26.9 80.7

134 24.0 11.7 35.1

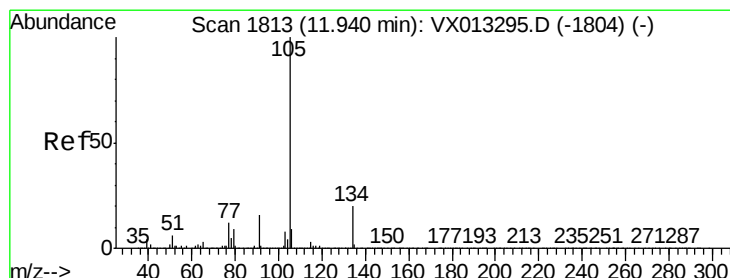
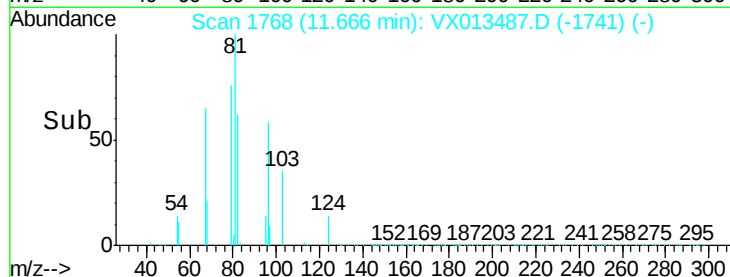
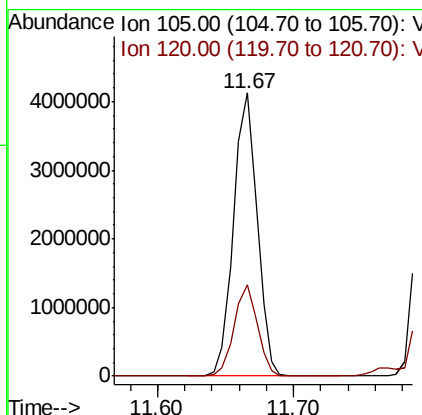
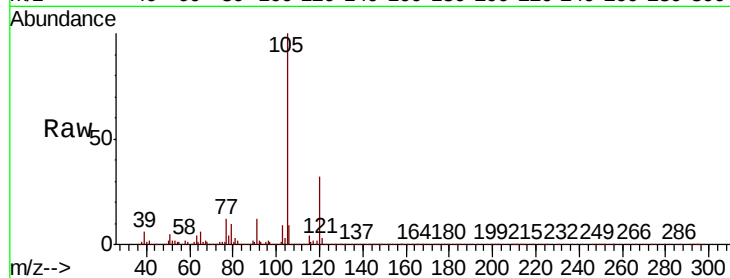




#84  
 1,2,4-Trimethylbenzene  
 Concen: 215.992 ug/l  
 RT: 11.67 min Scan# 1768  
 Delta R.T. -0.13 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

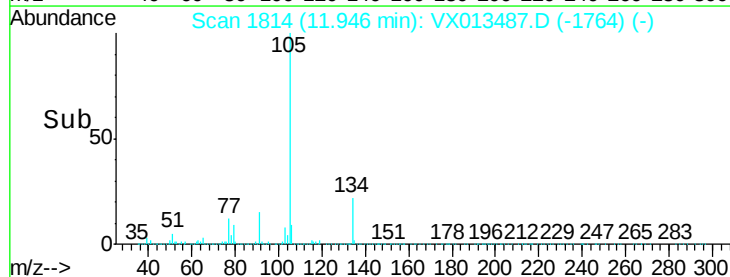
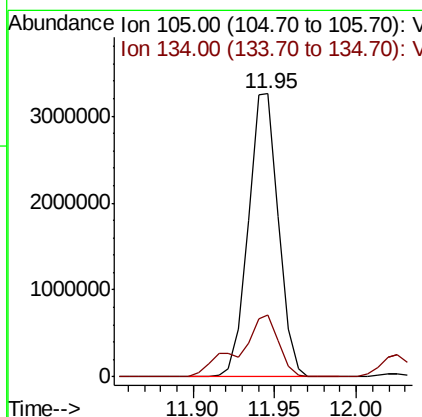
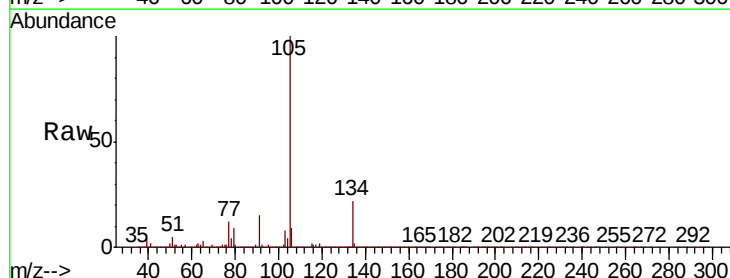
Instrument :  
 MSVOA\_X  
 ClientSampled :

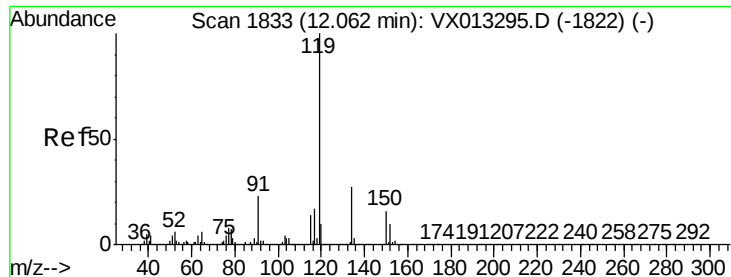
Tot Ion:105 Resp: 4995136  
 Ion Ratio Lower Upper  
 105 100  
 120 31.6 22.7 68.1



#85  
 sec-Butylbenzene  
 Concen: 157.207 ug/l  
 RT: 11.95 min Scan# 1814  
 Delta R.T. 0.01 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

Tgt Ion:105 Resp: 4192985  
 Ion Ratio Lower Upper  
 105 100  
 134 28.9 10.3 30.9

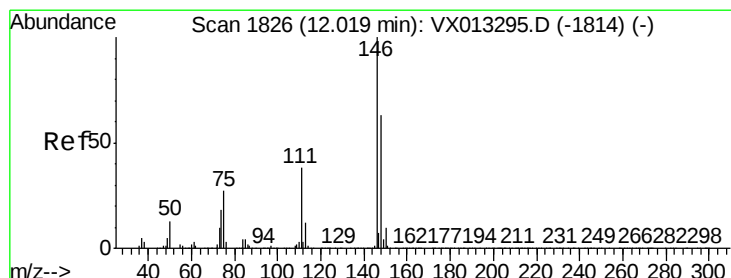
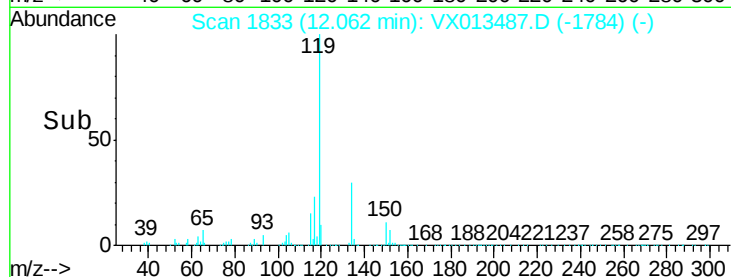
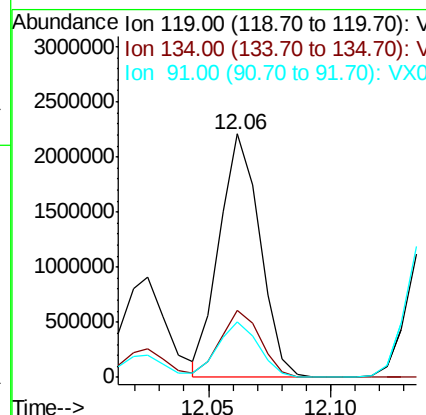
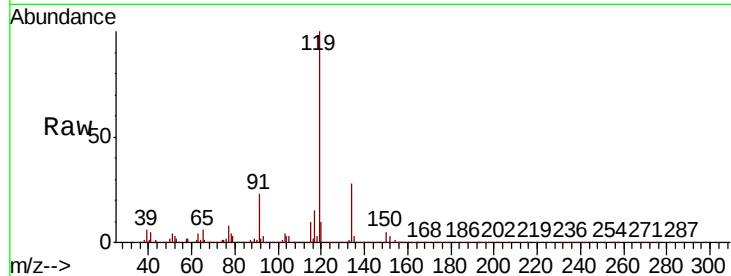




#86  
 p-Isopropyltoluene  
 Concen: 103.367 ug/l  
 RT: 12.06 min Scan# 1833  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

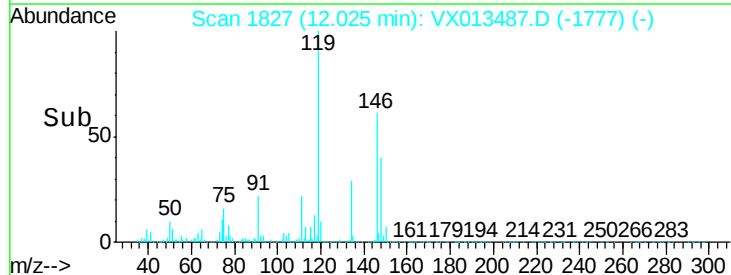
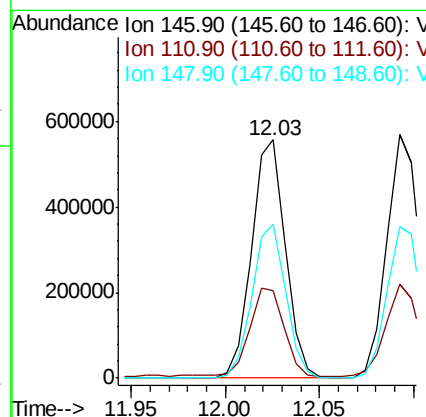
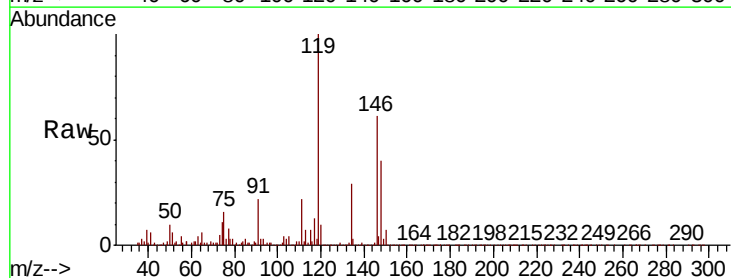
Instrument :  
 MSVOA\_X  
 ClientSampled :

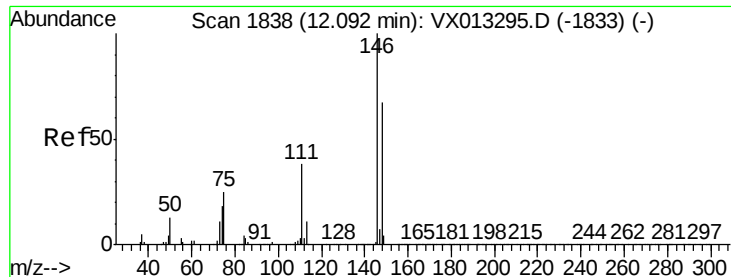
Tot Ion:119 Resp: 2538686  
 Ion Ratio Lower Upper  
 119 100  
 134 27.2 13.3 39.8  
 91 22.6 11.5 34.4



#87  
 1,3-Dichlorobenzene  
 Concen: 52.432 ug/l  
 RT: 12.03 min Scan# 1827  
 Delta R.T. 0.01 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

Tgt Ion:146 Resp: 689600  
 Ion Ratio Lower Upper  
 146 100  
 111 38.7 18.9 56.5  
 148 64.7 31.9 95.7

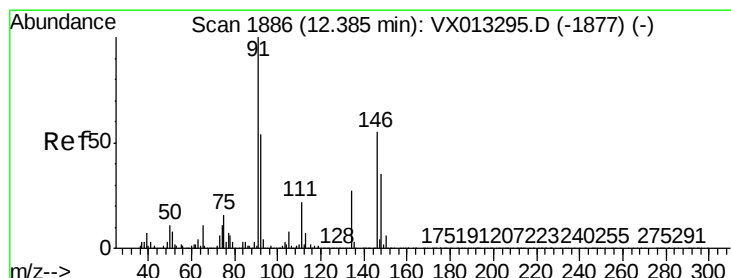
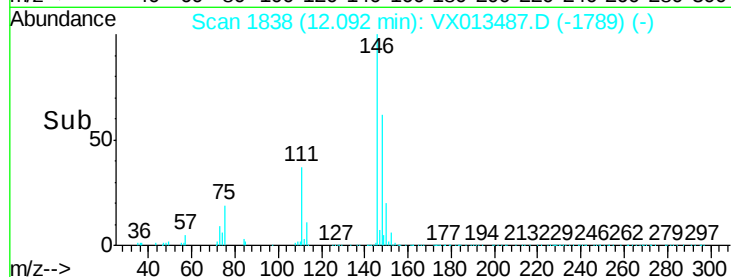
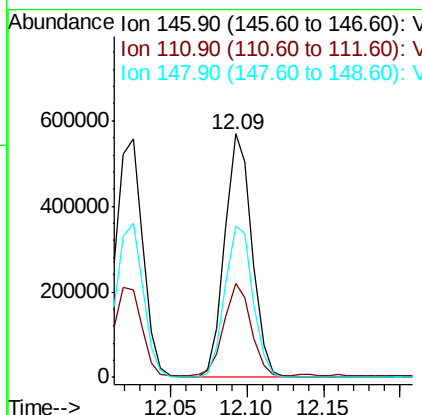
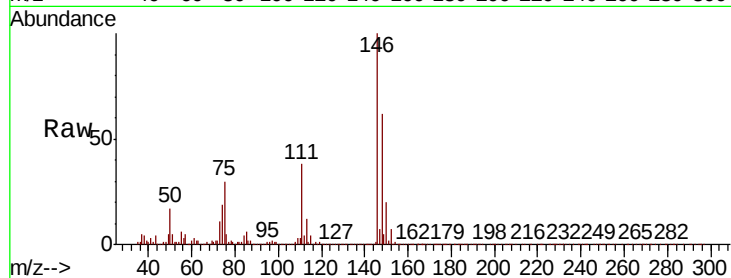




#88  
1,4-Dichlorobenzene  
Concen: 52.119 ug/l  
RT: 12.09 min Scan# 1838  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

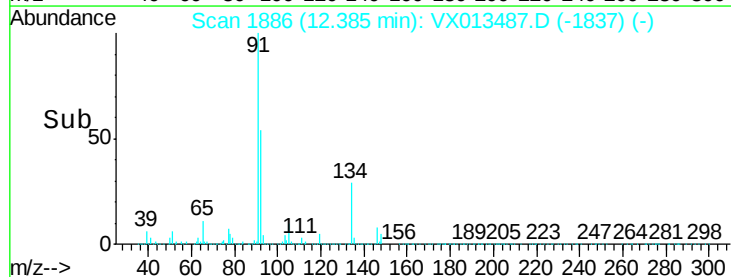
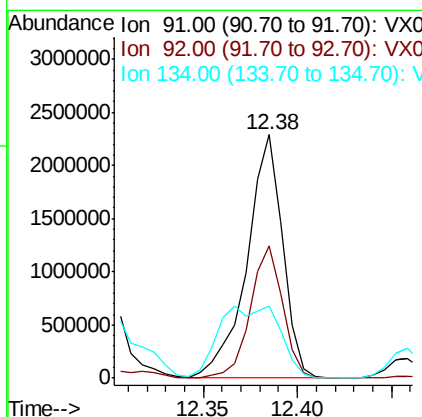
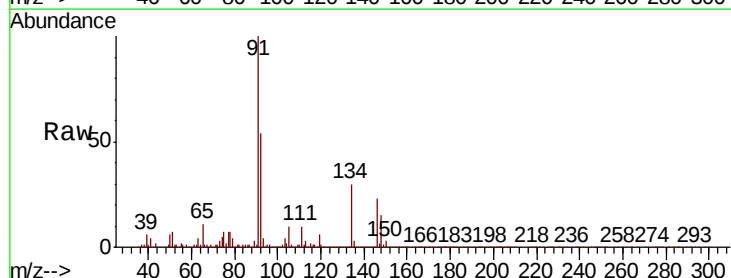
Instrument :  
MSVOA\_X  
ClientSampled :

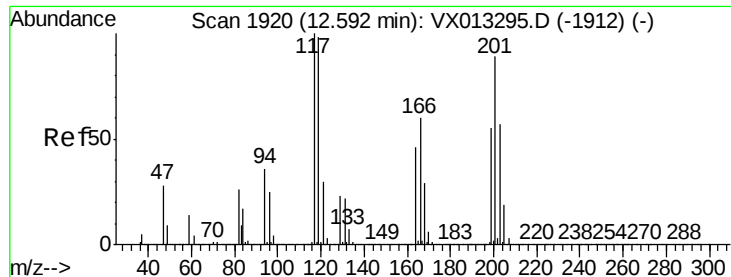
Tot Ion:146 Resp: 698401  
Ion Ratio Lower Upper  
146 100  
111 37.5 18.8 56.4  
148 64.1 32.4 97.0



#89  
n-Butylbenzene  
Concen: 140.027 ug/l  
RT: 12.38 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX013487.D  
Acq: 20 Nov 2019 19:05

Tgt Ion: 91 Resp: 3000833  
Ion Ratio Lower Upper  
91 100  
92 49.1 27.3 81.8  
134 50.8 13.5 40.5#





#90

Hexachloroethane

Concen: 136.004 ug/l

RT: 12.59 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

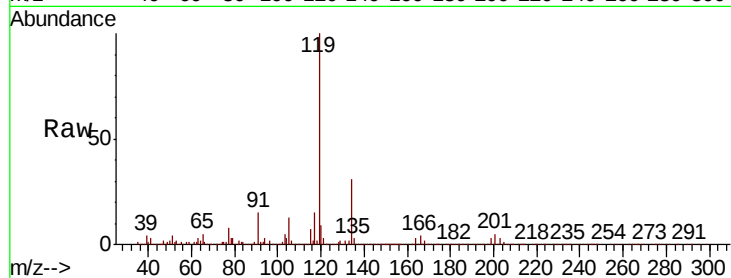
ClientSampled :

Tot Ion:117 Resp: 595139

Ion Ratio Lower Upper

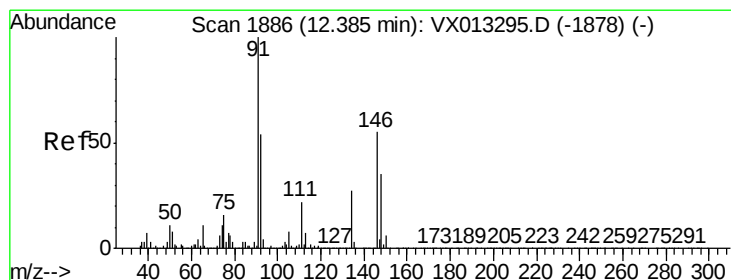
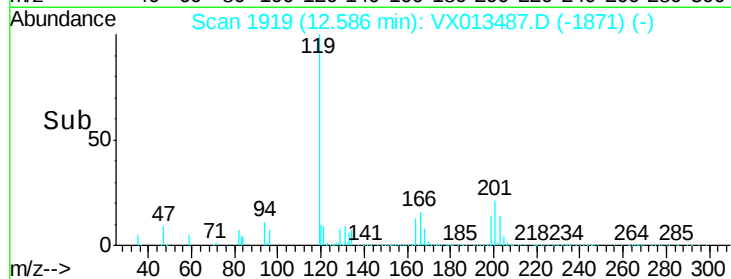
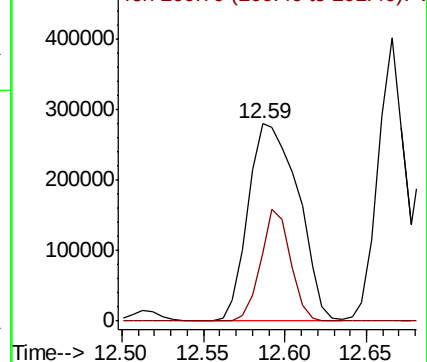
117 100

201 33.8 43.9 131.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 52.867 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

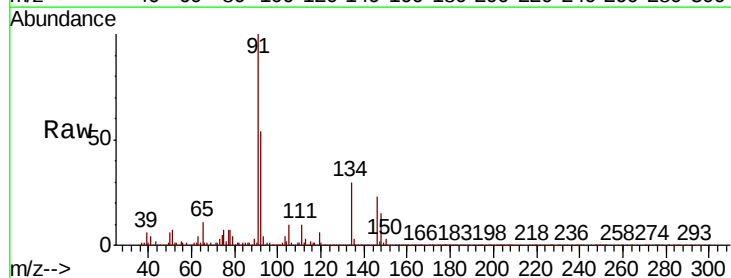
Tgt Ion:146 Resp: 695037

Ion Ratio Lower Upper

146 100

111 40.4 20.1 60.2

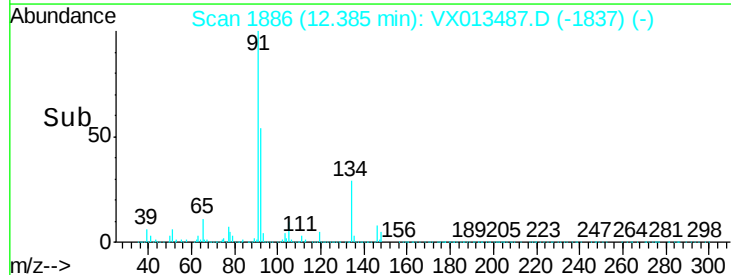
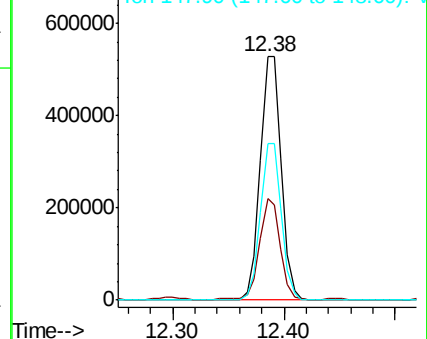
148 64.0 32.0 96.0

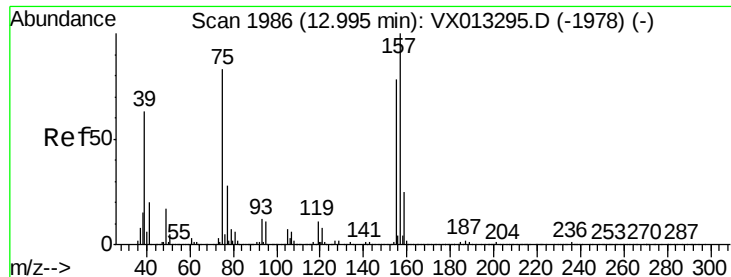


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 64.384 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

Instrument :

MSVOA\_X

ClientSampleId :

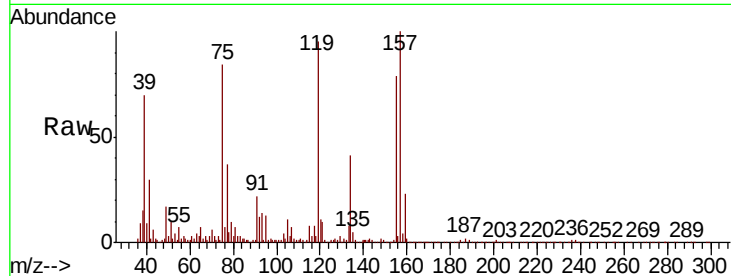
Tot Ion: 75 Resp: 158384

Ion Ratio Lower Upper

75 100

155 79.7 47.1 141.4

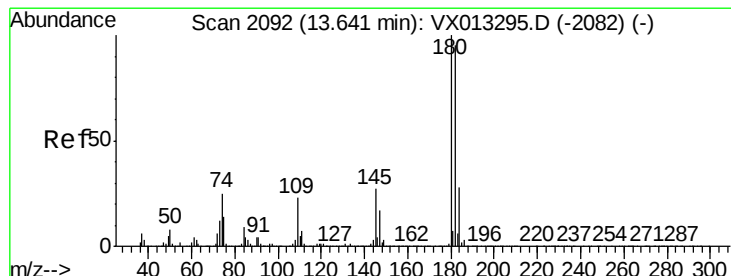
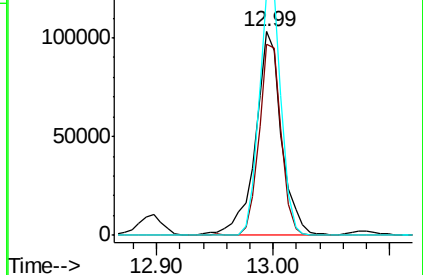
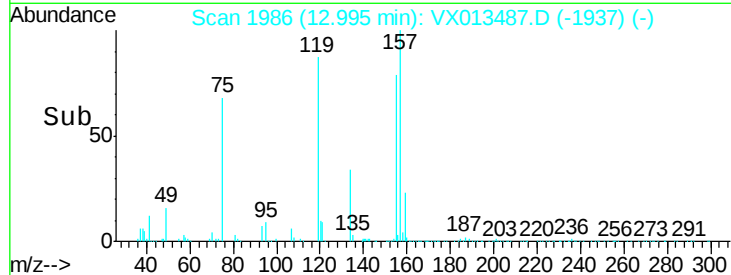
157 103.6 61.3 183.8



Abundance Ion 74.90 (74.60 to 75.60): VX013487.D (-1937) (-)

Ion 154.80 (154.50 to 155.50): VX013487.D (-1937) (-)

Ion 156.80 (156.50 to 157.50): VX013487.D (-1937) (-)



#93

1,2,4-Trichlorobenzene

Concen: 54.875 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013487.D

Acq: 20 Nov 2019 19:05

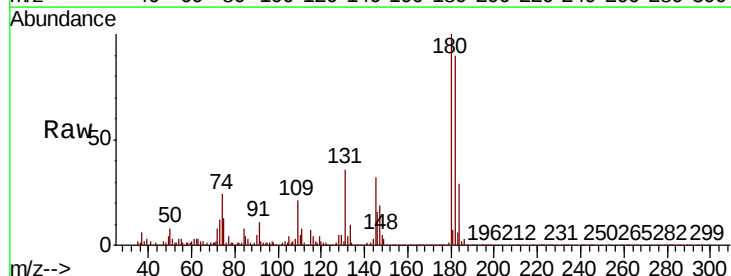
Tgt Ion: 180 Resp: 503239

Ion Ratio Lower Upper

180 100

182 93.4 48.4 145.0

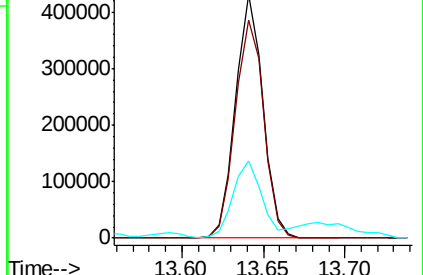
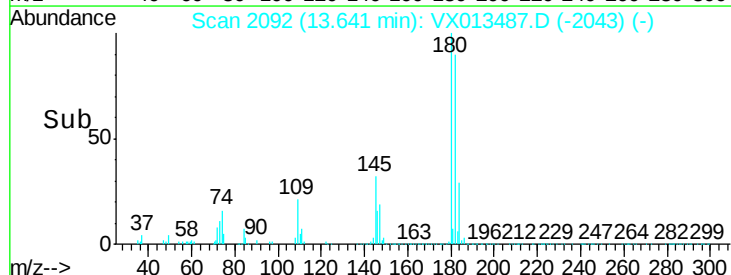
145 34.4 14.1 42.4

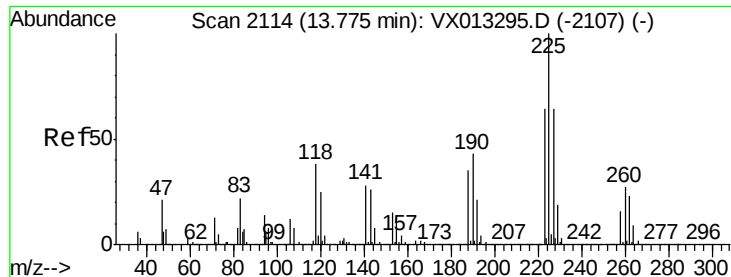


Abundance Ion 179.80 (179.50 to 180.50): VX013487.D (-2043) (-)

Ion 181.80 (181.50 to 182.50): VX013487.D (-2043) (-)

Ion 144.80 (144.50 to 145.50): VX013487.D (-2043) (-)





#94

Hexachlorobutadiene

Concen: 46.831 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX013487.D

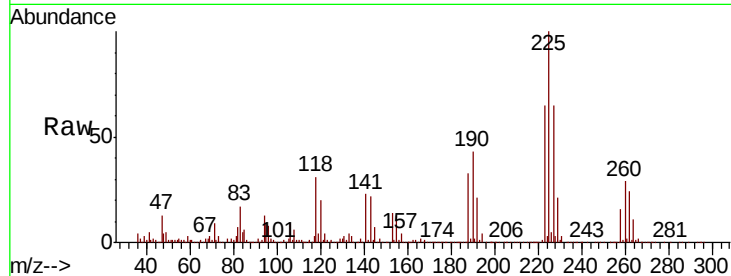
Acq: 20 Nov 2019 19:05

Instrument :

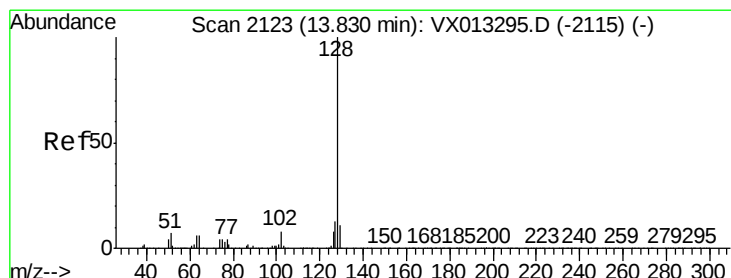
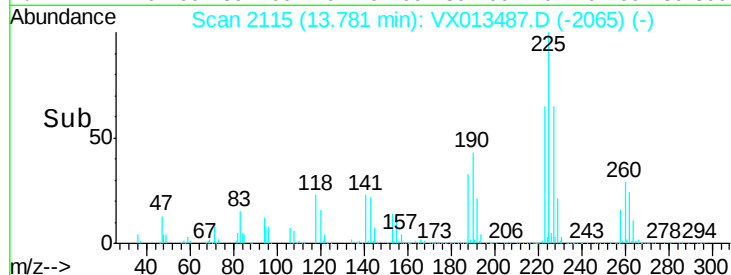
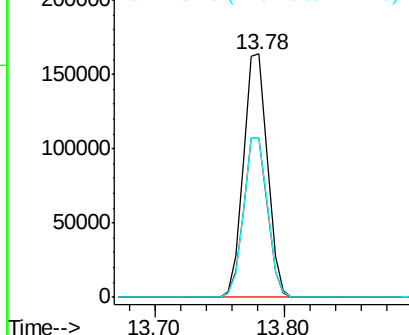
MSVOA\_X

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 225   | Resp: | 210112 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.9  | 31.9  | 95.7   |
| 227      | 65.2  | 31.9  | 95.9   |



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: 124.991 ug/l

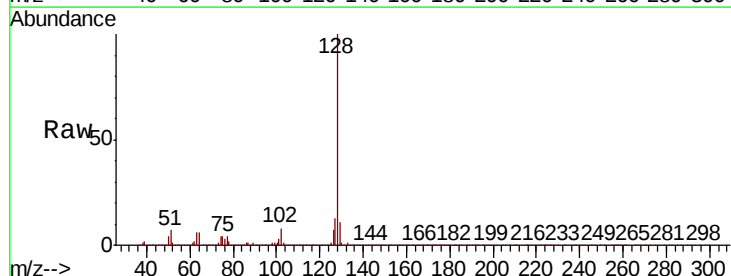
RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

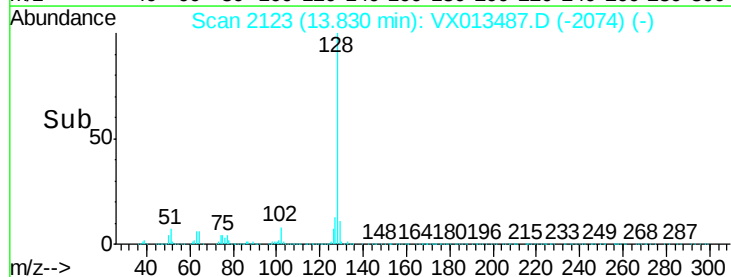
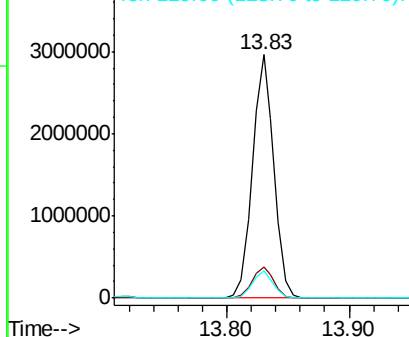
Lab File: VX013487.D

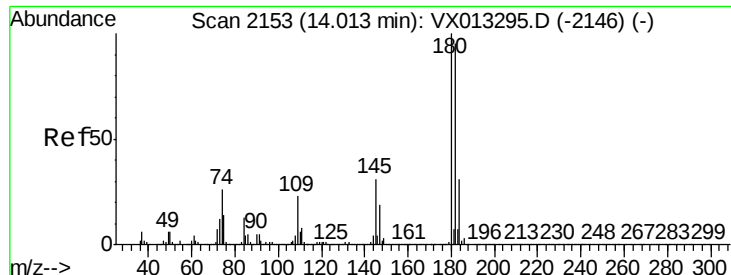
Acq: 20 Nov 2019 19:05

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 128   | Resp: | 3596316 |
| Ion      | Ratio | Lower | Upper   |
| 128      | 100   |       |         |
| 127      | 13.0  | 10.2  | 15.2    |
| 129      | 11.1  | 8.5   | 12.7    |



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

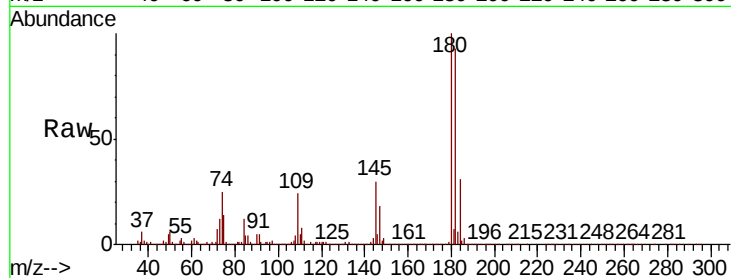




#96  
 1,2,3-Trichlorobenzene  
 Concen: 54.111 ug/l  
 RT: 14.01 min Scan# 2153  
 Delta R.T. -0.00 min  
 Lab File: VX013487.D  
 Acq: 20 Nov 2019 19:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion:180 Resp: 497652  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 48.0 144.2  
 145 33.0 15.4 46.4



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

