

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122320\  
 Data File : VX020354.D  
 Acq On : 23 Dec 2020 22:08  
 Operator : JC/MD  
 Sample : VX1223WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1223WBL02

Quant Time: Dec 24 00:23:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 2020  
 Response via : Initial Calibration

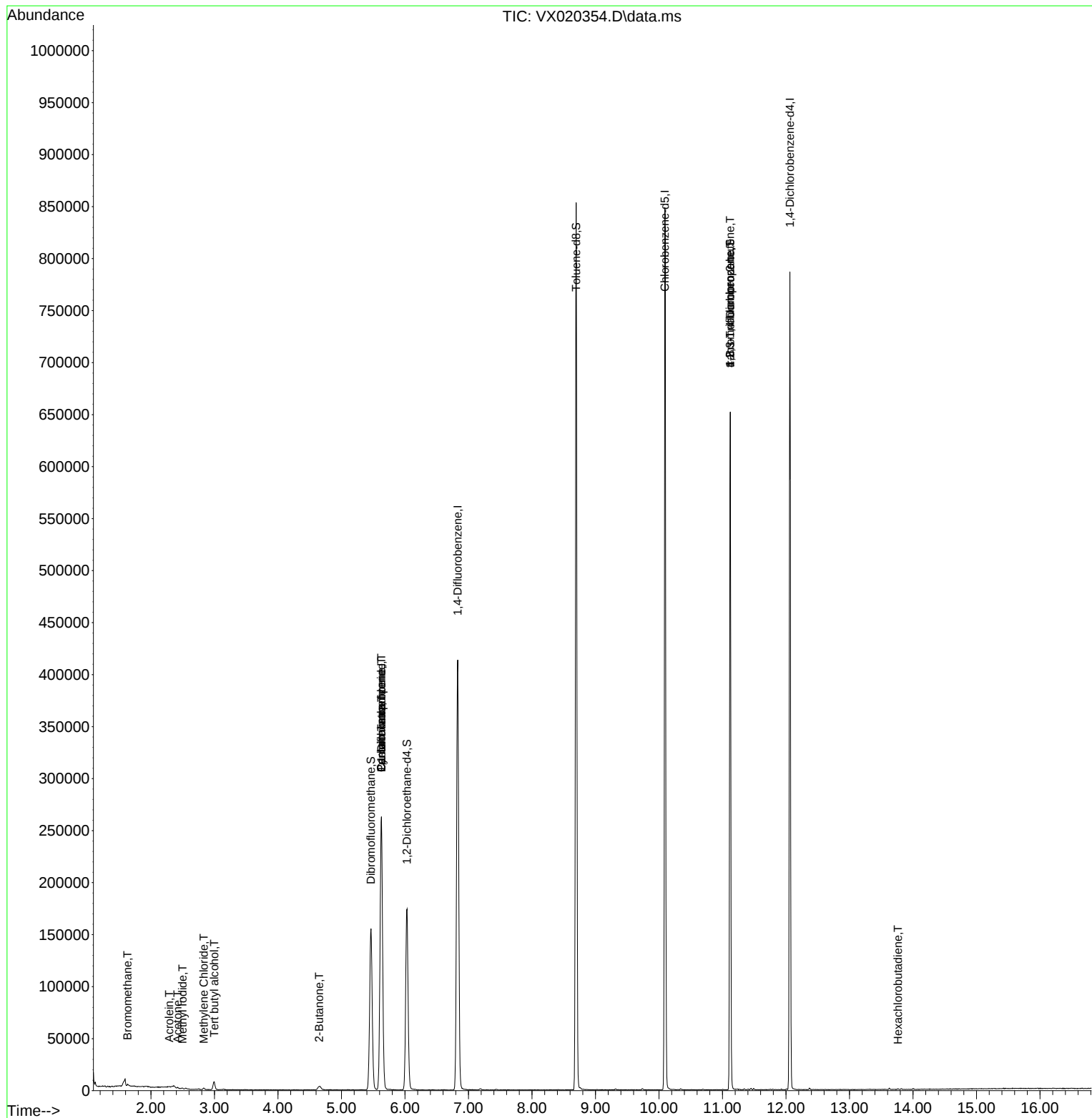
| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 245535             | 50.00 | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.830          | 114  | 419144             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.092         | 117  | 396359             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061         | 152  | 162434             | 50.00 | ug/l   | 0.00     |
|                               |                |      |                    |       |        |          |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.032          | 65   | 167484             | 50.89 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 101.78% |       |        |          |
| 35) Dibromofluoromethane      | 5.465          | 113  | 134336             | 50.10 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 100.20% |       |        |          |
| 50) Toluene-d8                | 8.696          | 98   | 506127             | 49.04 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 98.08%  |       |        |          |
| 62) 4-Bromofluorobenzene      | 11.122         | 95   | 179318             | 45.40 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 90.80%  |       |        |          |
|                               |                |      |                    |       |        |          |
| Target Compounds              |                |      |                    |       | Qvalue |          |
| 5) Bromomethane               | 1.630          | 94   | 766                | 0.71  | ug/l # | 77       |
| 10) Methyl Iodide             | 2.496          | 142  | 1038               | 3.58  | ug/l   | 96       |
| 11) Tert butyl alcohol        | 2.995          | 59   | 4396               | 5.96  | ug/l # | 73       |
| 13) Acrolein                  | 2.288          | 56   | 212                | 0.46  | ug/l # | 46       |
| 16) Acetone                   | 2.416          | 43   | 1316               | 0.88  | ug/l   | 93       |
| 20) Methylene Chloride        | 2.831          | 84   | 789                | 0.23  | ug/l # | 90       |
| 25) 2-Butanone                | 4.648          | 43   | 465                | 0.21  | ug/l # | 45       |
| 31) Cyclohexane               | 5.629          | 56   | 5231               | 1.15  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.629          | 75   | 19382              | 4.68  | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.629          | 117  | 24853              | 6.31  | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.122         | 75   | 86782              | 21.69 | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.122         | 75   | 86782              | 64.35 | ug/l # | 12       |
| 94) Hexachlorobutadiene       | 13.762         | 225  | 133                | 2.73  | ug/l # | 61       |
| -----                         |                |      |                    |       |        |          |

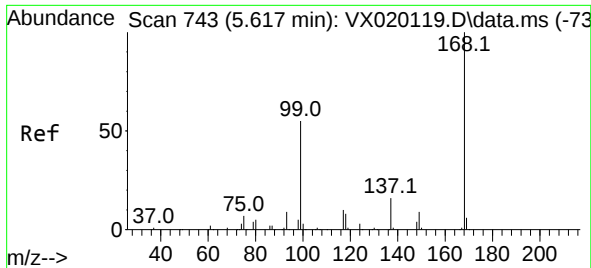
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122320\  
Data File : VX020354.D  
Acq On : 23 Dec 2020 22:08  
Operator : JC/MD  
Sample : VX1223WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1223WBL02

Quant Time: Dec 24 00:23:20 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 2020  
Response via : Initial Calibration

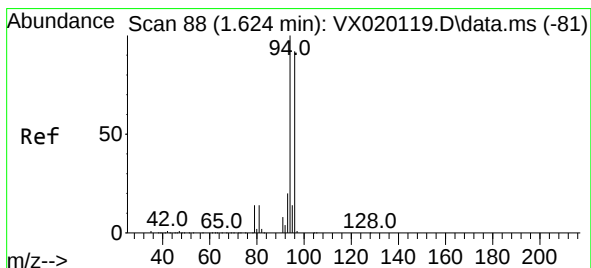
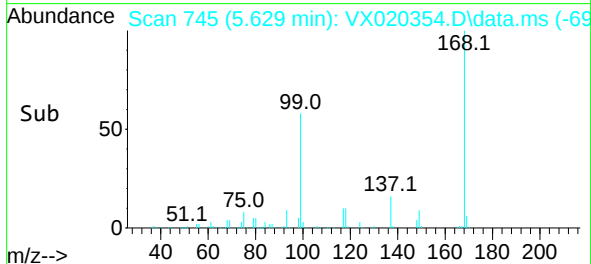
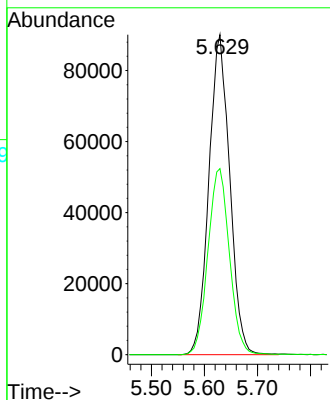
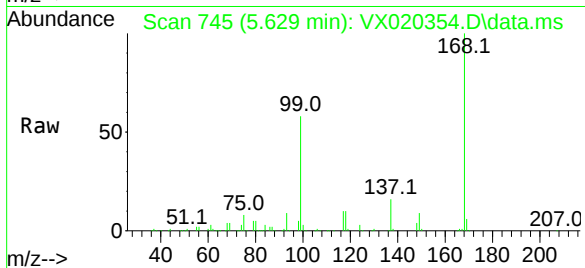




#1  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.629 min Scan# 745  
 Delta R.T. 0.012 min  
 Lab File: VX020354.D  
 Acq: 23 Dec 2020 22:08

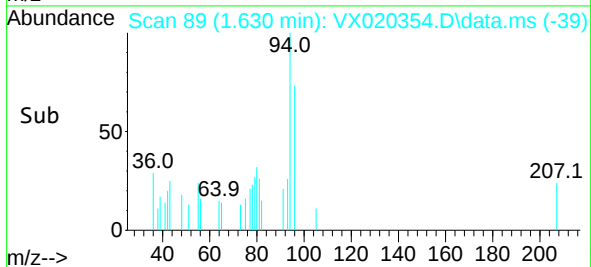
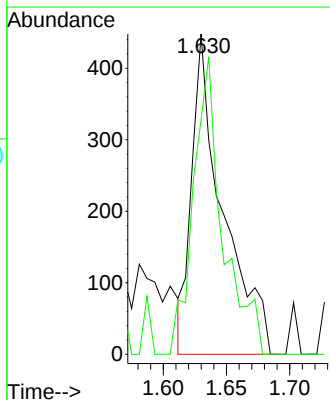
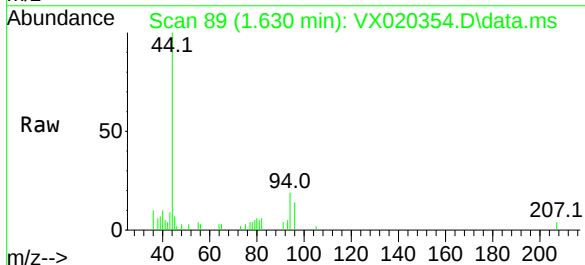
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1223WBL02

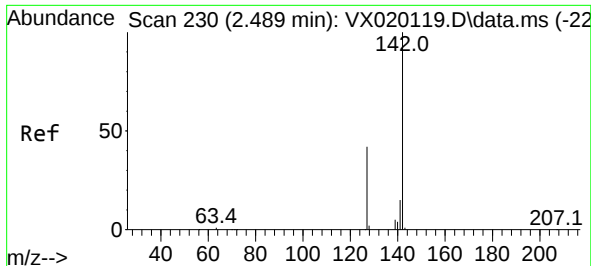
Tgt Ion:168 Resp: 245535  
 Ion Ratio Lower Upper  
 168 100  
 99 58.1 45.8 68.6



#5  
 Bromomethane  
 Concen: 0.71 ug/l  
 RT: 1.630 min Scan# 89  
 Delta R.T. 0.006 min  
 Lab File: VX020354.D  
 Acq: 23 Dec 2020 22:08

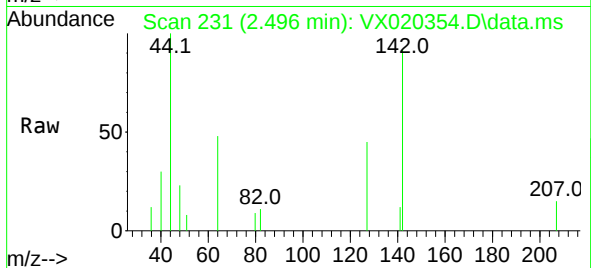
Tgt Ion: 94 Resp: 766  
 Ion Ratio Lower Upper  
 94 100  
 96 73.2 76.4 114.6#



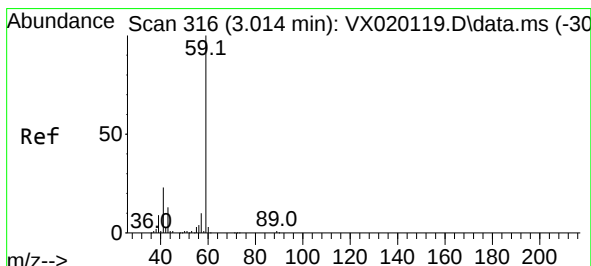
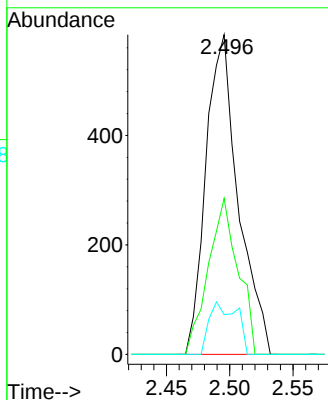
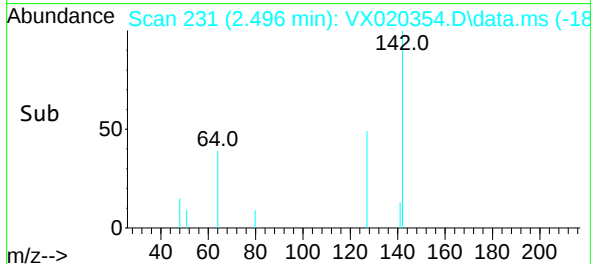


#10  
Methyl Iodide  
Concen: 3.58 ug/l  
RT: 2.496 min Scan# 231  
Delta R.T. 0.007 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

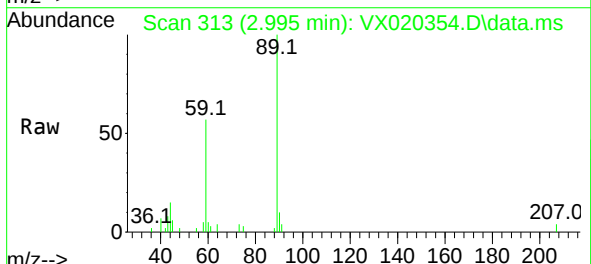
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1223WBL02



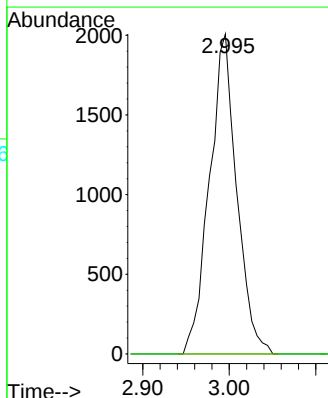
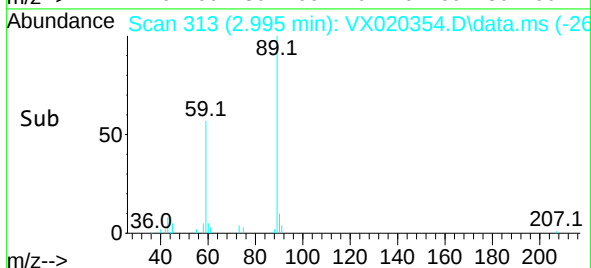
Tgt Ion:142 Resp: 1038  
Ion Ratio Lower Upper  
142 100  
127 45.0 33.3 49.9  
141 13.8 11.4 17.0

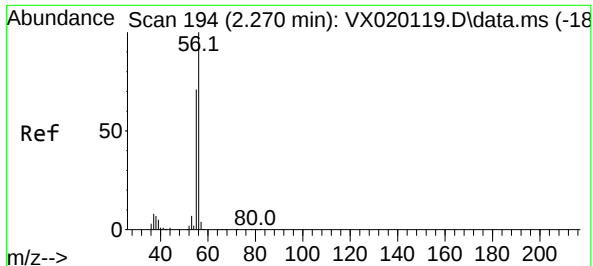


#11  
Tert butyl alcohol  
Concen: 5.96 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.019 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08



Tgt Ion: 59 Resp: 4396  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

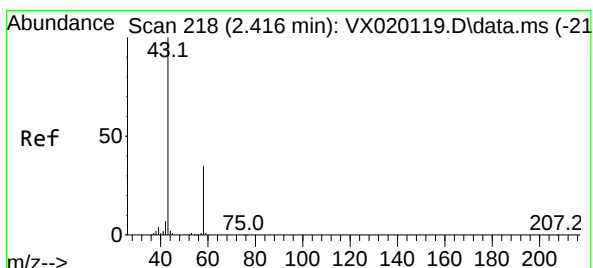
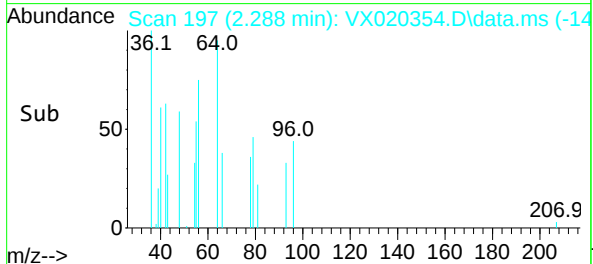
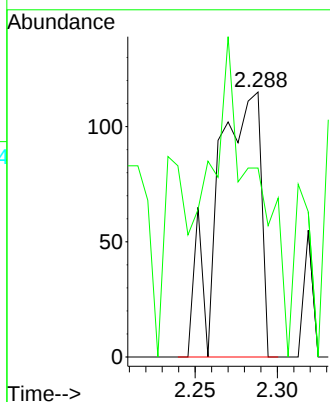
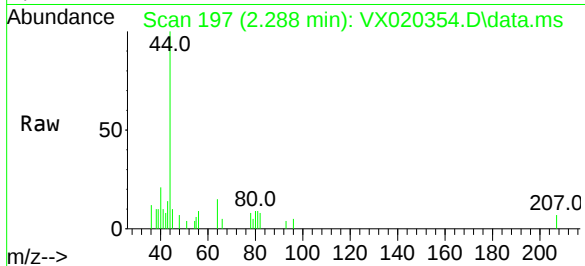




#13  
Acrolein  
Concen: 0.46 ug/l  
RT: 2.288 min Scan# 197  
Delta R.T. 0.018 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

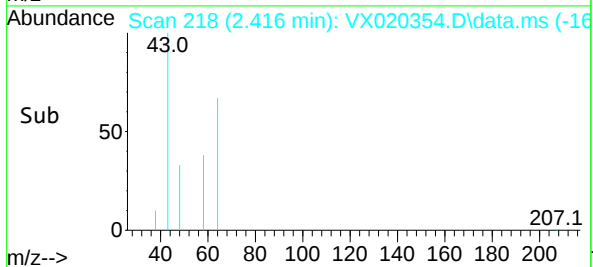
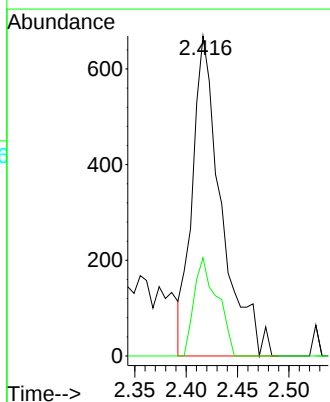
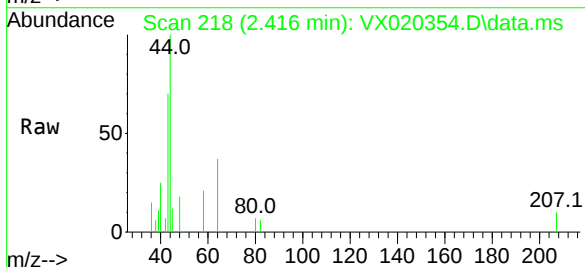
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1223WBL02

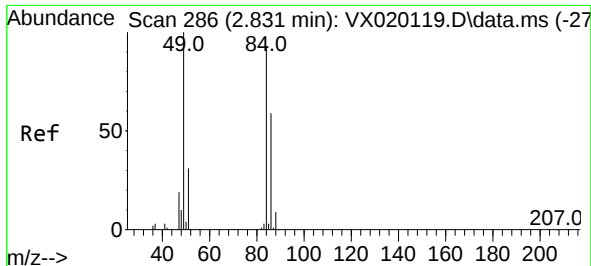
Tgt Ion: 56 Resp: 212  
Ion Ratio Lower Upper  
56 100  
55 115.1 56.4 84.6#



#16  
Acetone  
Concen: 0.88 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

Tgt Ion: 43 Resp: 1316  
Ion Ratio Lower Upper  
43 100  
58 30.6 27.8 41.8





#20

Methylene Chloride

Concen: 0.23 ug/l

RT: 2.831 min Scan# 286

Delta R.T. -0.000 min

Lab File: VX020354.D

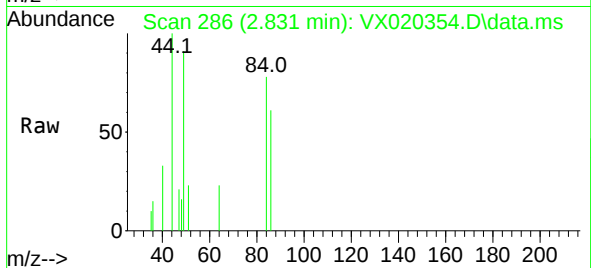
Acq: 23 Dec 2020 22:08

Instrument :

MSVOA\_X

ClientSampleId :

VX1223WBL02



Tgt Ion: 84 Resp: 789

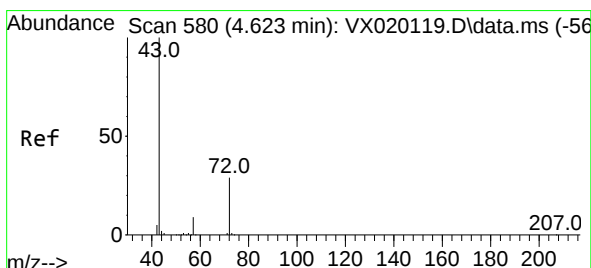
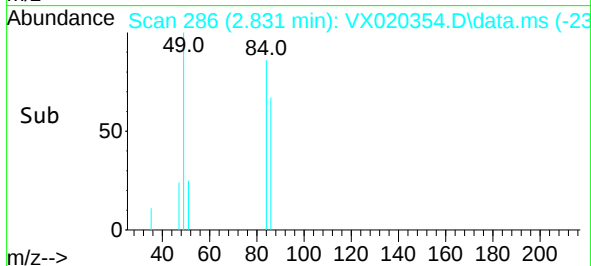
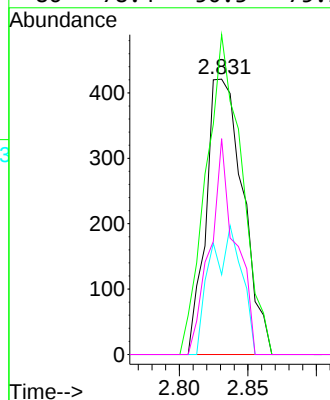
Ion Ratio Lower Upper

84 100

49 116.2 88.6 132.8

51 29.0 27.0 40.6

86 78.4 50.3 75.5#



#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.648 min Scan# 584

Delta R.T. 0.025 min

Lab File: VX020354.D

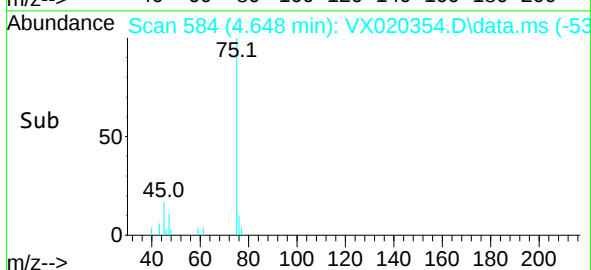
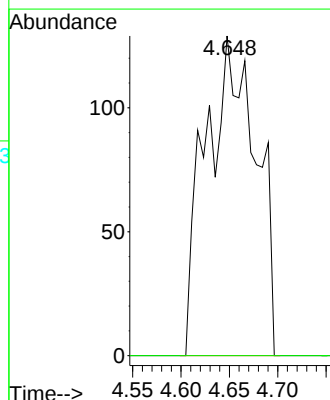
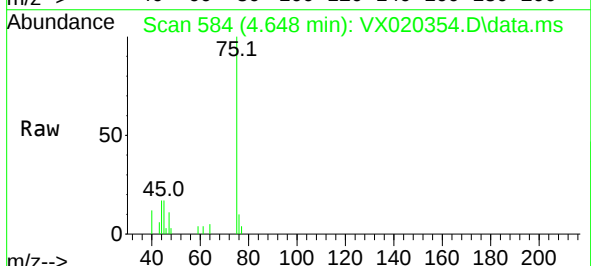
Acq: 23 Dec 2020 22:08

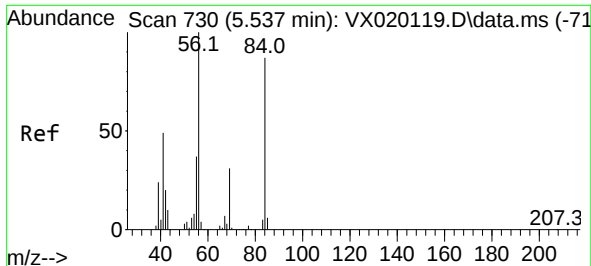
Tgt Ion: 43 Resp: 465

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

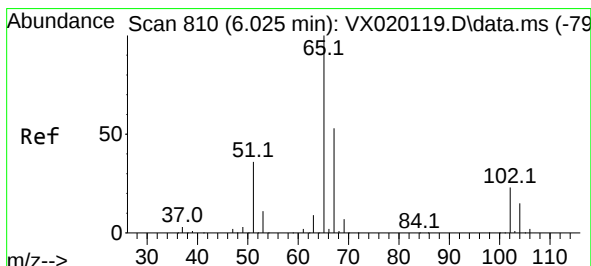
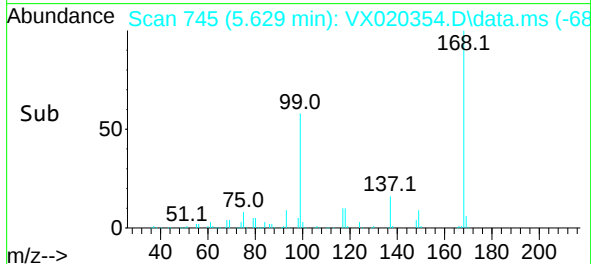
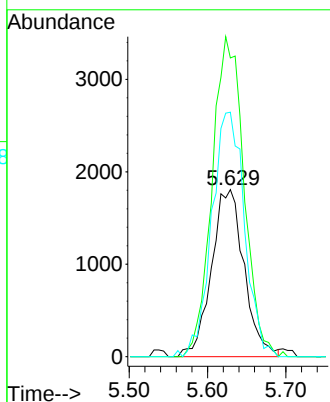
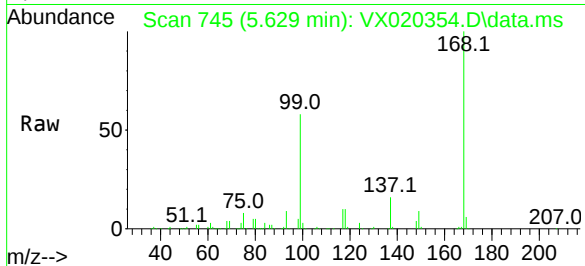




#31  
Cyclohexane  
Concen: 1.15 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.092 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

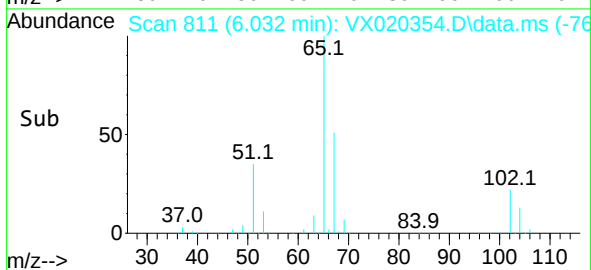
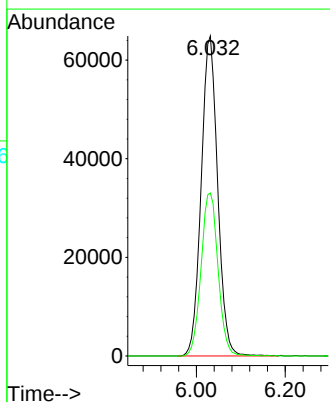
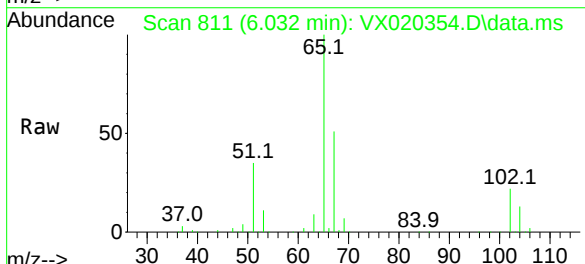
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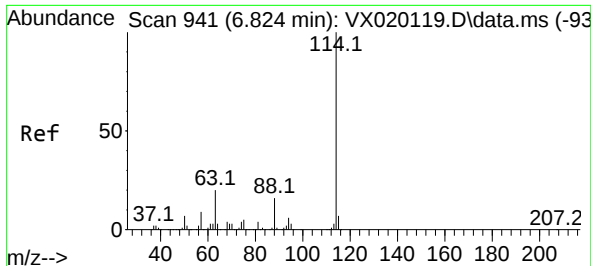
Tgt Ion: 56 Resp: 5231  
Ion Ratio Lower Upper  
56 100  
69 178.7 25.3 37.9#  
84 146.3 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 50.89 ug/l  
RT: 6.032 min Scan# 811  
Delta R.T. 0.007 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

Tgt Ion: 65 Resp: 167484  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 105.4

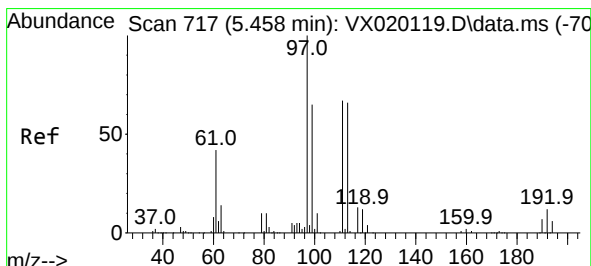
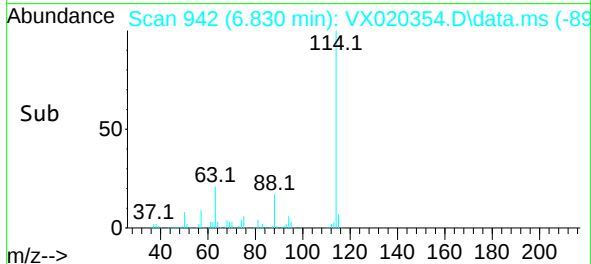
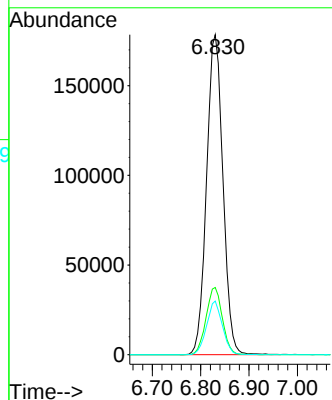
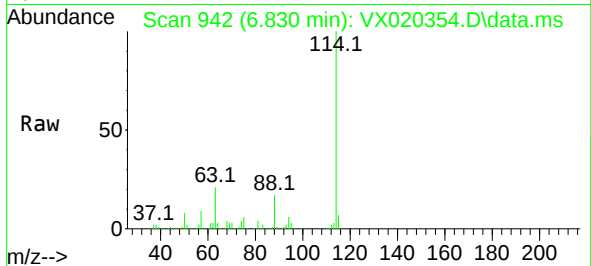




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.830 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

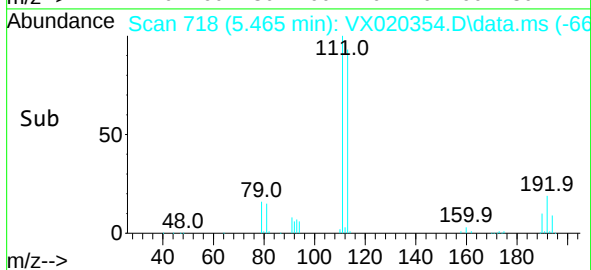
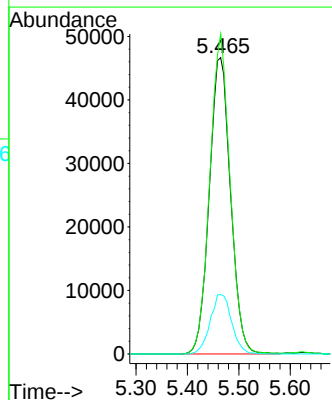
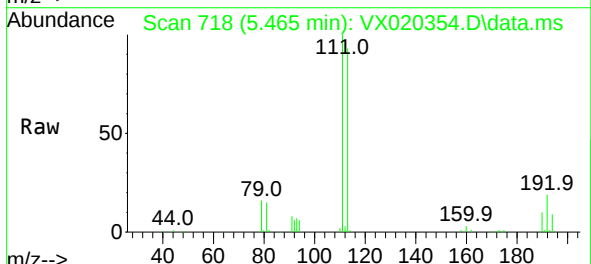
Instrument :  
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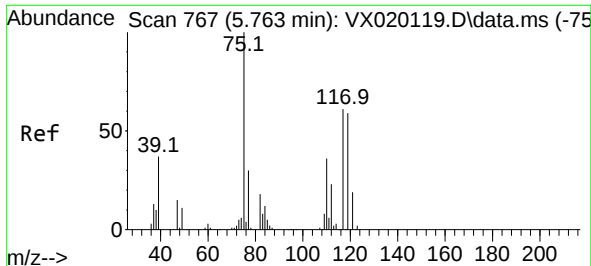
Tgt Ion:114 Resp: 419144  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 40.8  
88 16.8 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 50.10 ug/l  
RT: 5.465 min Scan# 718  
Delta R.T. 0.007 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

Tgt Ion:113 Resp: 134336  
Ion Ratio Lower Upper  
113 100  
111 103.0 81.9 122.9  
192 20.2 16.7 25.1

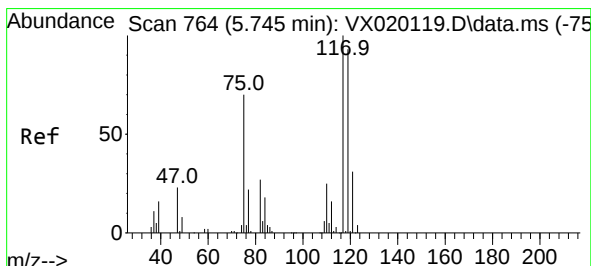
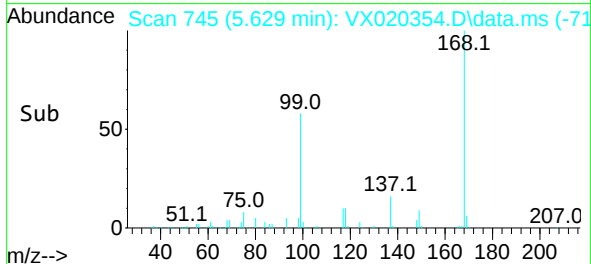
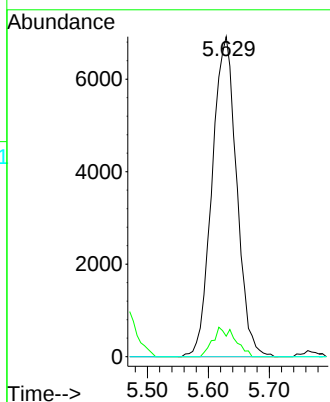
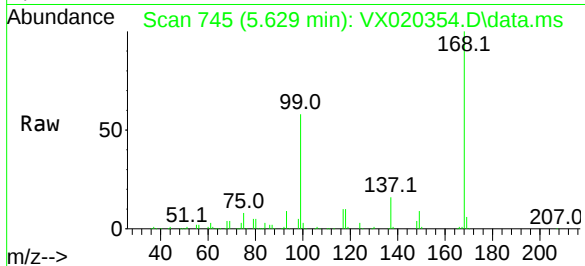




#36  
1,1-Dichloropropene  
Concen: 4.68 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.134 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

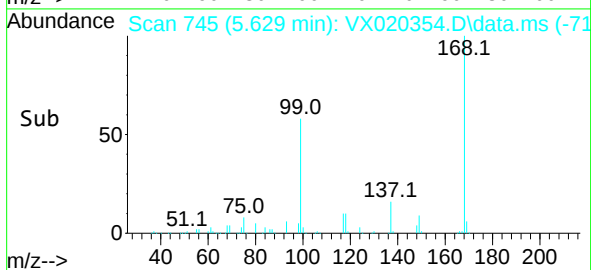
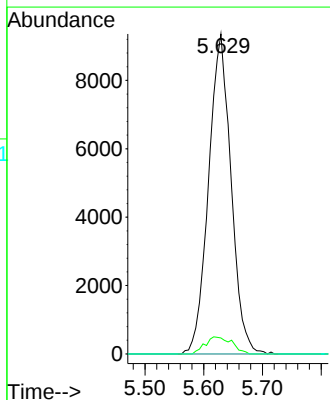
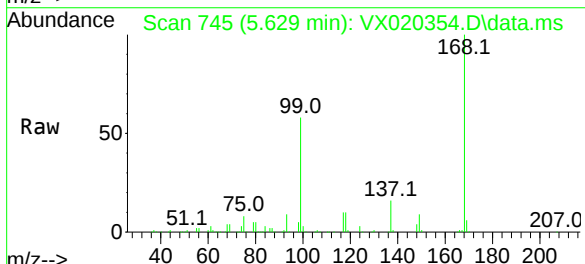
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1223WBL02

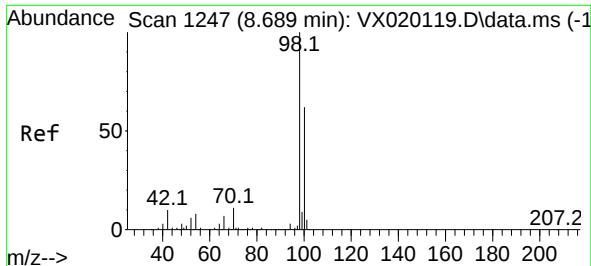
Tgt Ion: 75 Resp: 19382  
Ion Ratio Lower Upper  
75 100  
110 8.3 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.31 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.116 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

Tgt Ion: 117 Resp: 24853  
Ion Ratio Lower Upper  
117 100  
119 5.0 76.2 114.2#  
121 0.0 24.8 37.2#

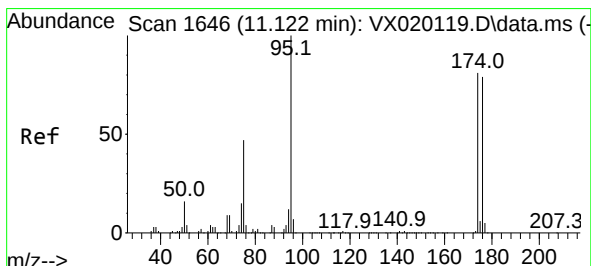
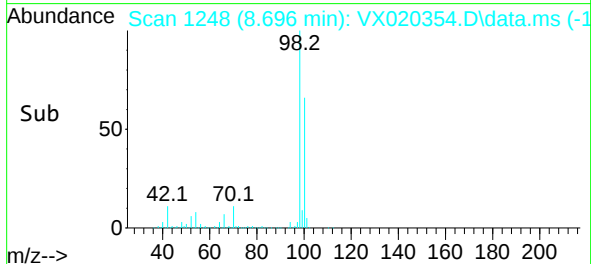
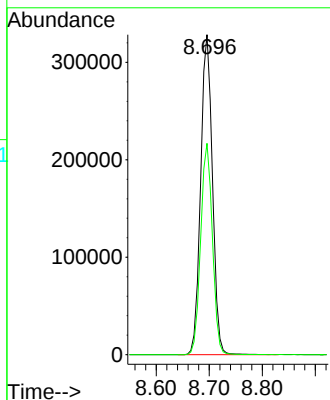
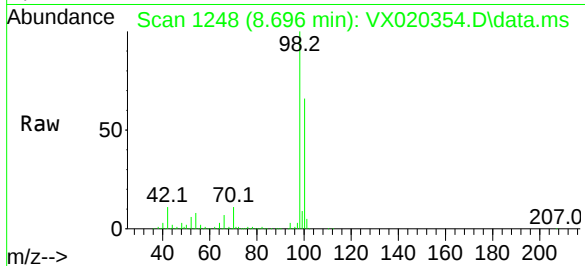




#50  
Toluene-d8  
Concen: 49.04 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.007 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

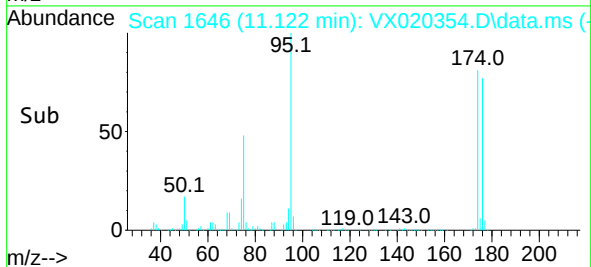
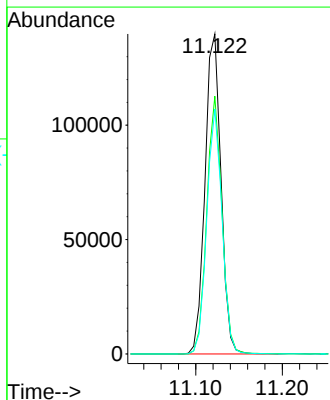
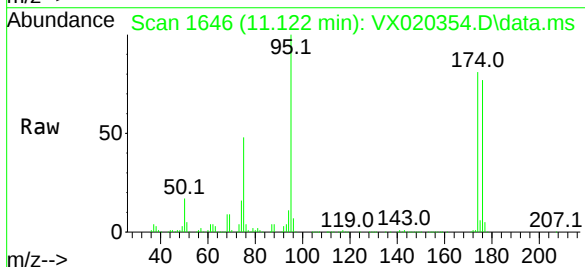
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1223WBL02

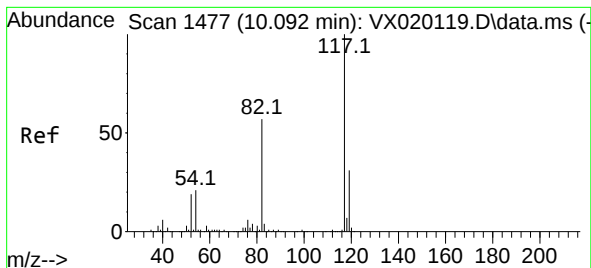
Tgt Ion: 98 Resp: 506127  
Ion Ratio Lower Upper  
98 100  
100 65.8 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 45.40 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.000 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

Tgt Ion: 95 Resp: 179318  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 154.6  
176 73.1 0.0 155.8

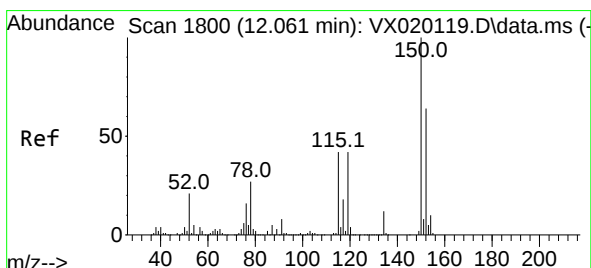
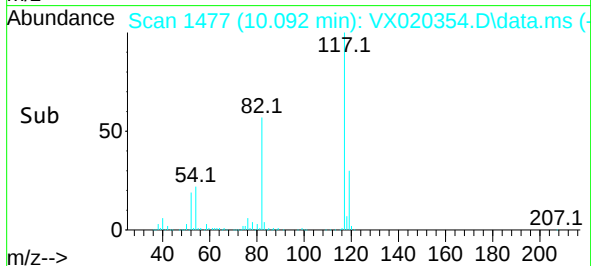
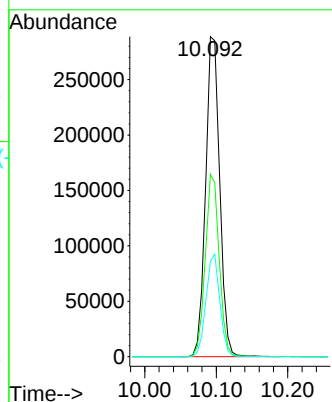
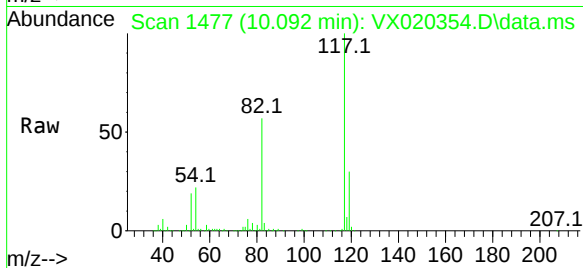




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.092 min Scan# 1477  
Delta R.T. -0.000 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

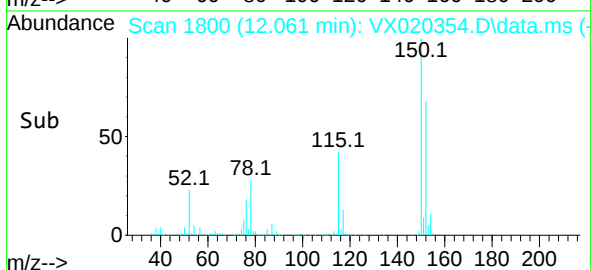
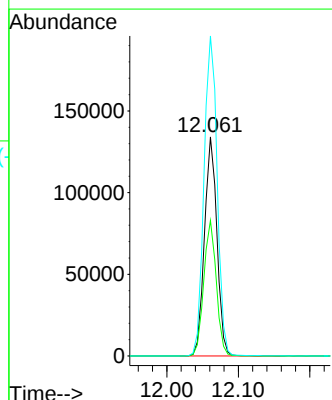
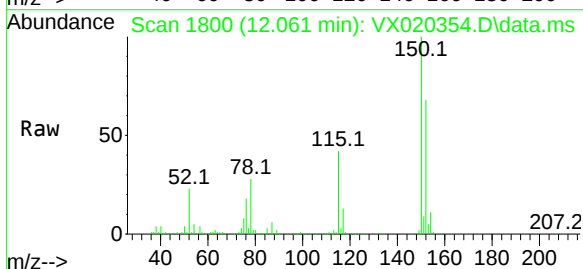
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1223WBL02

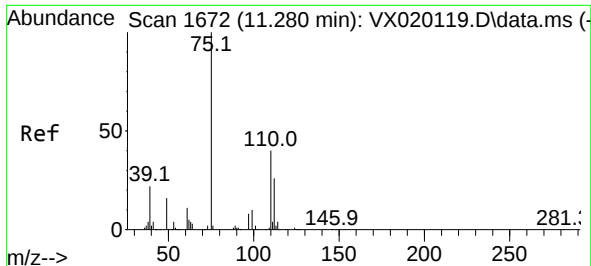
Tgt Ion:117 Resp: 396359  
Ion Ratio Lower Upper  
117 100  
82 57.0 47.4 71.2  
119 29.9 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.061 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

Tgt Ion:152 Resp: 162434  
Ion Ratio Lower Upper  
152 100  
115 62.0 41.1 123.3  
150 154.5 0.0 349.0

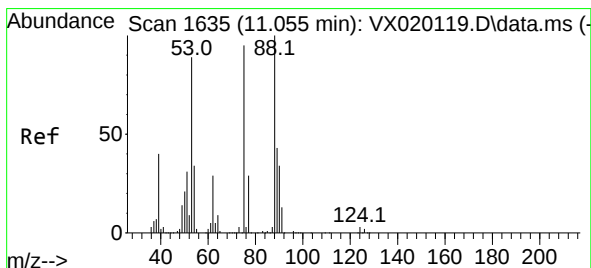
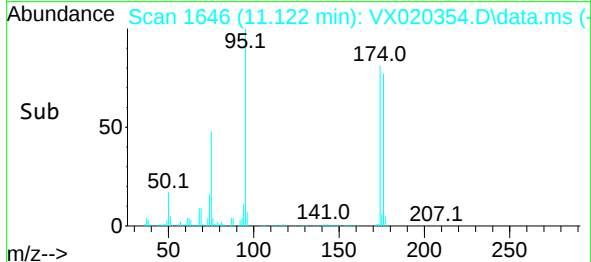
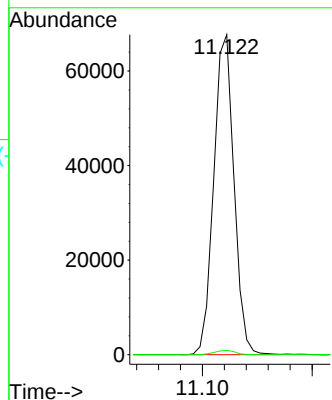
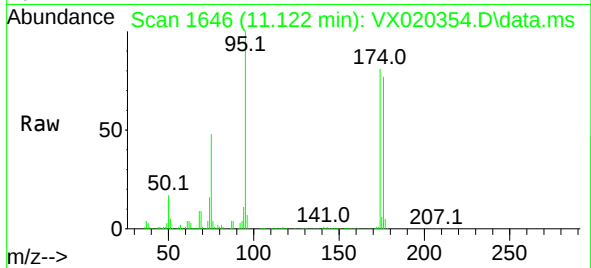




#76  
1,2,3-Trichloropropane  
Concen: 21.69 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.158 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

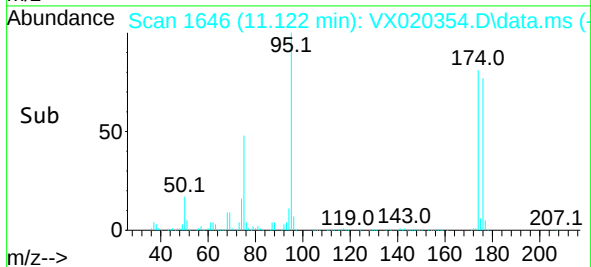
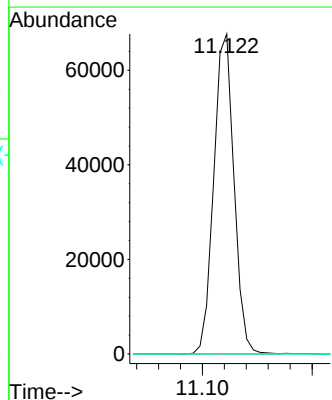
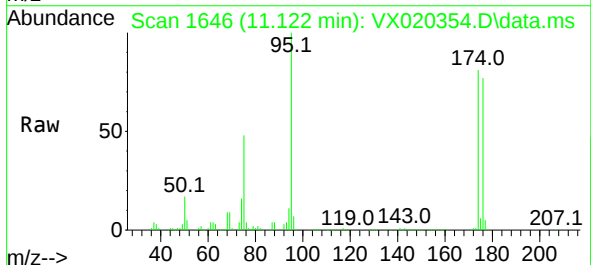
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1223WBL02

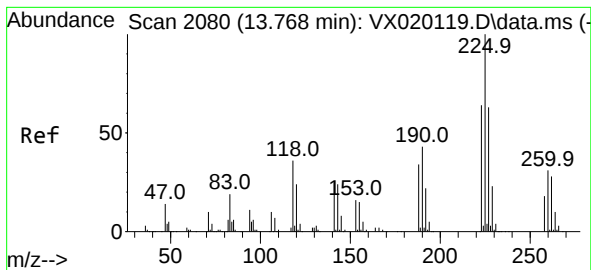
Tgt Ion: 75 Resp: 86782  
Ion Ratio Lower Upper  
75 100  
77 1.4 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.35 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.067 min  
Lab File: VX020354.D  
Acq: 23 Dec 2020 22:08

Tgt Ion: 75 Resp: 86782  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#





#94  
 Hexachlorobutadiene  
 Concen: 2.73 ug/l  
 RT: 13.762 min Scan# 2079  
 Delta R.T. -0.006 min  
 Lab File: VX020354.D  
 Acq: 23 Dec 2020 22:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1223WBL02

Tgt Ion:225 Resp: 133  
 Ion Ratio Lower Upper  
 225 100  
 223 90.2 31.1 93.2  
 227 95.5 31.6 95.0#

