

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030921\  
 Data File : VX021098.D  
 Acq On : 09 Mar 2021 10:24  
 Operator : JC/MD  
 Sample : VX0309WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0309WBL01

Quant Time: Mar 10 00:28:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

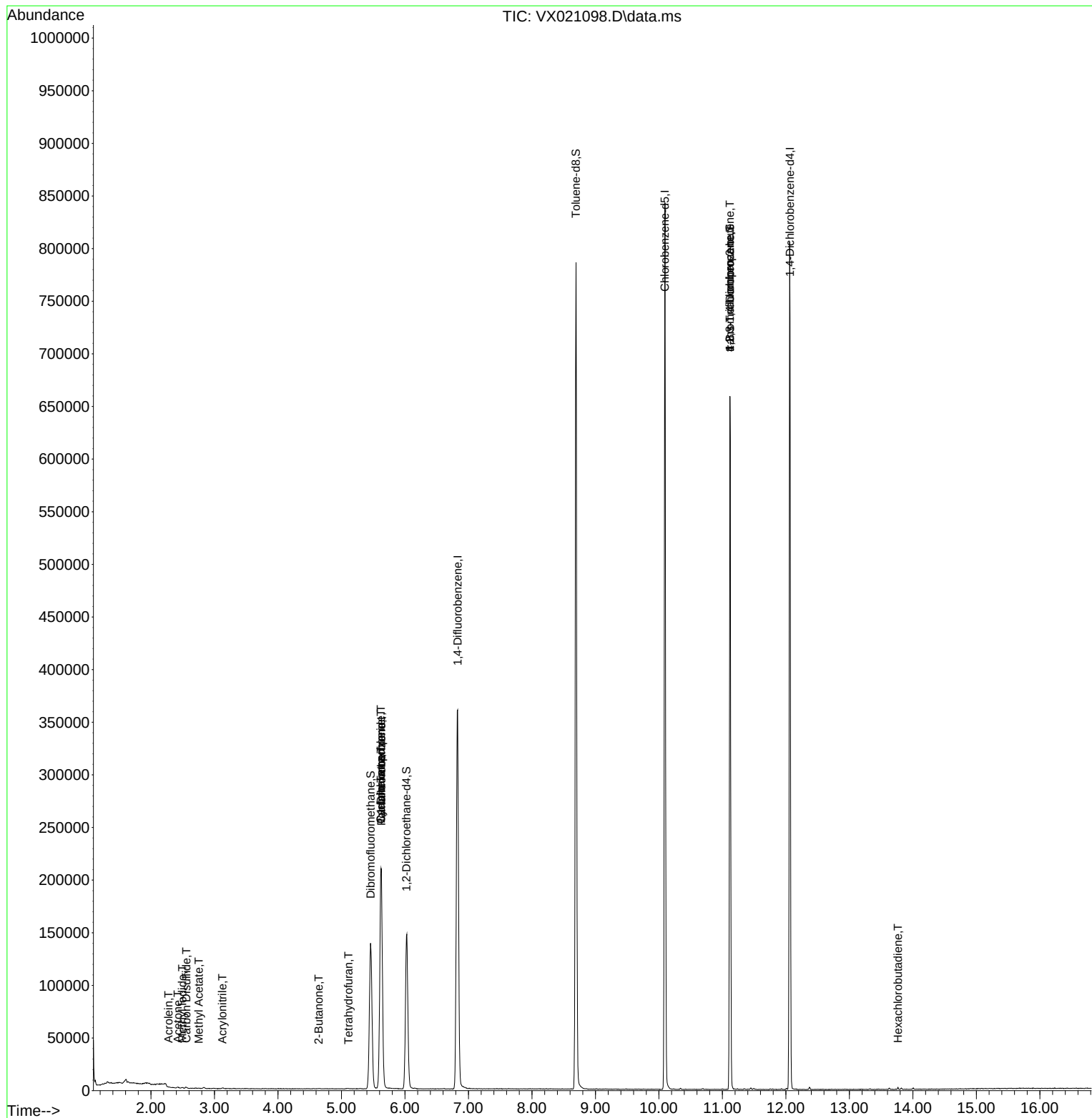
| Compound                      | R.T.           | QIon | Response   | Conc         | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------------|--------|----------|
| -----                         |                |      |            |              |        |          |
| Internal Standards            |                |      |            |              |        |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 208117     | 50.00        | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829          | 114  | 386931     | 50.00        | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094         | 117  | 378456     | 50.00        | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.065         | 152  | 172622     | 50.00        | ug/l   | 0.00     |
|                               |                |      |            |              |        |          |
| System Monitoring Compounds   |                |      |            |              |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.023          | 65   | 139397     | 49.59        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 99.18%       |        |          |
| 35) Dibromofluoromethane      | 5.458          | 113  | 122029     | 51.91        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 103.82%      |        |          |
| 50) Toluene-d8                | 8.694          | 98   | 484438     | 52.85        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 105.70%      |        |          |
| 62) 4-Bromofluorobenzene      | 11.118         | 95   | 184378     | 54.40        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 108.80%      |        |          |
|                               |                |      |            |              |        |          |
| Target Compounds              |                |      |            |              | Qvalue |          |
| 5) Bromomethane               | 1.640          | 94   | 527        | Below Cal    |        | 96       |
| 10) Methyl Iodide             | 2.493          | 142  | 744        | 0.25 ug/l #  |        | 89       |
| 13) Acrolein                  | 2.276          | 56   | 183        | 0.47 ug/l #  |        | 68       |
| 15) Acrylonitrile             | 3.123          | 53   | 385        | 0.29 ug/l #  |        | 91       |
| 16) Acetone                   | 2.423          | 43   | 886        | 0.76 ug/l #  |        | 83       |
| 17) Carbon Disulfide          | 2.558          | 76   | 1359       | 0.20 ug/l    |        | 100      |
| 18) Methyl Acetate            | 2.752          | 43   | 748        | 0.27 ug/l #  |        | 66       |
| 25) 2-Butanone                | 4.641          | 43   | 359        | 0.20 ug/l #  |        | 45       |
| 29) Tetrahydrofuran           | 5.111          | 42   | 423        | 0.37 ug/l #  |        | 35       |
| 31) Cyclohexane               | 5.623          | 56   | 4128       | 1.01 ug/l #  |        | 1        |
| 36) 1,1-Dichloropropene       | 5.623          | 75   | 16345      | 4.44 ug/l #  |        | 48       |
| 38) Carbon Tetrachloride      | 5.623          | 117  | 19979      | 5.61 ug/l #  |        | 16       |
| 76) 1,2,3-Trichloropropane    | 11.118         | 75   | 87622      | 23.60 ug/l # |        | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118         | 75   | 87622      | 52.24 ug/l # |        | 12       |
| 94) Hexachlorobutadiene       | 13.765         | 225  | 308        | 0.22 ug/l    |        | 94       |
| -----                         |                |      |            |              |        |          |

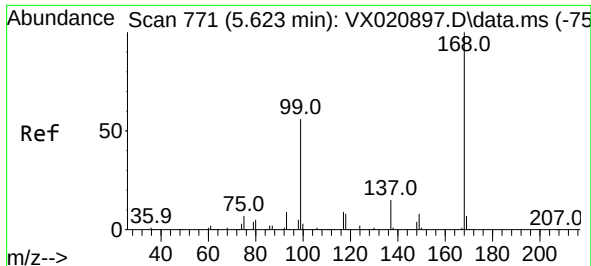
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030921\  
Data File : VX021098.D  
Acq On : 09 Mar 2021 10:24  
Operator : JC/MD  
Sample : VX0309WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

Quant Time: Mar 10 00:28:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 24 13:50:55 2021  
Response via : Initial Calibration

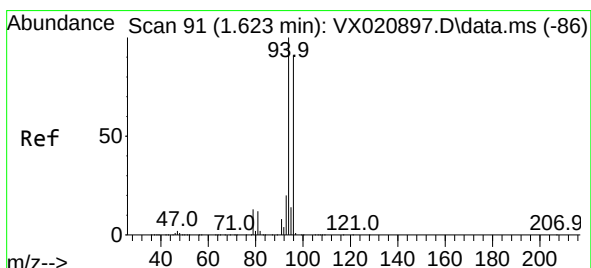
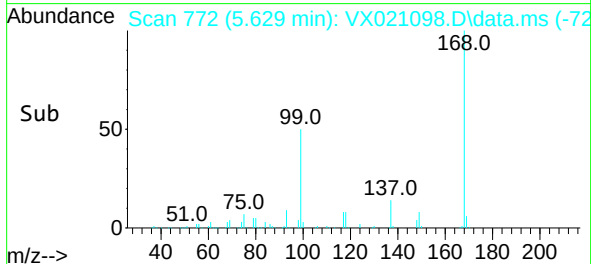
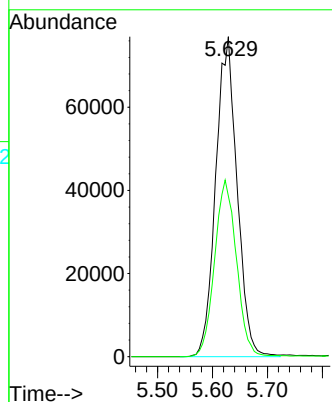
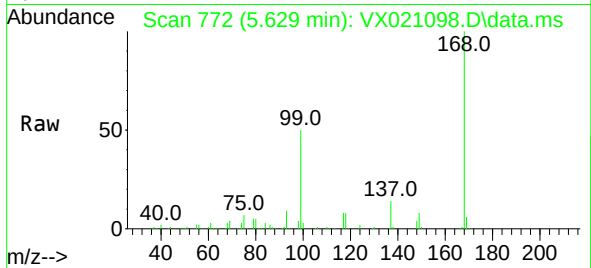




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.006 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

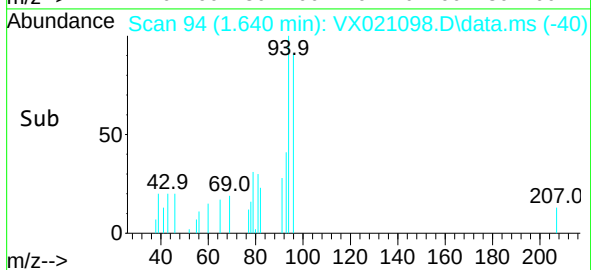
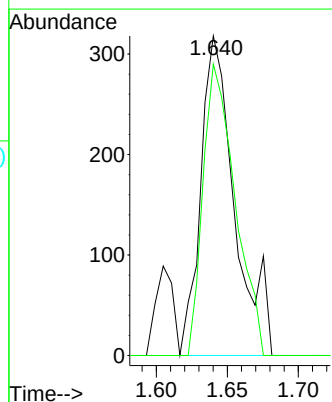
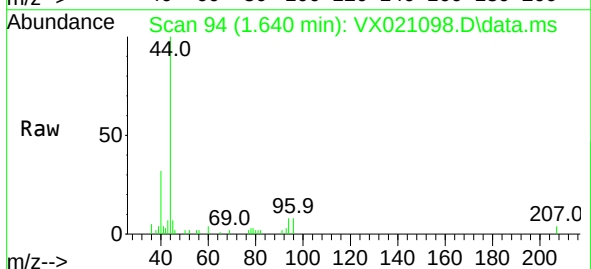
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

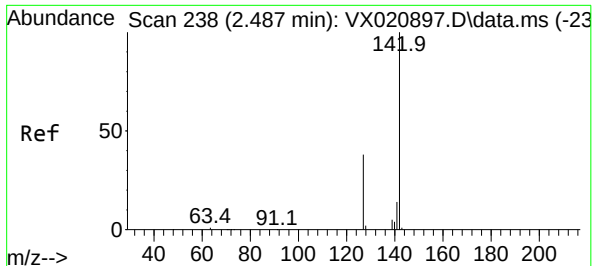
Tgt Ion:168 Resp: 208117  
Ion Ratio Lower Upper  
168 100  
99 50.2 45.8 68.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.640 min Scan# 94  
Delta R.T. 0.017 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

Tgt Ion: 94 Resp: 527  
Ion Ratio Lower Upper  
94 100  
96 91.2 76.4 114.6

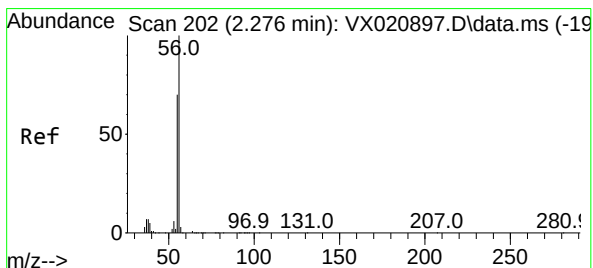
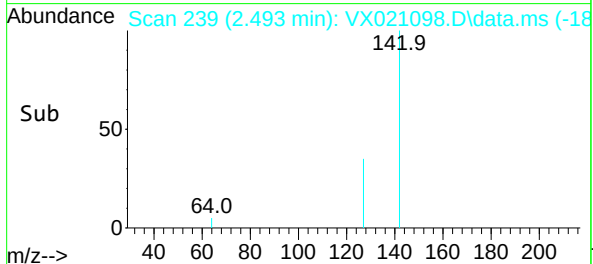
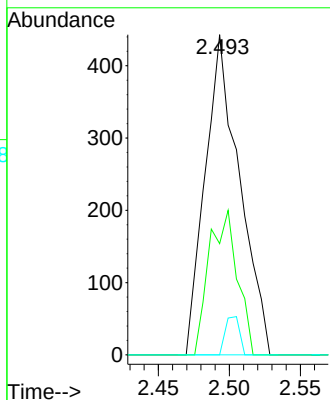
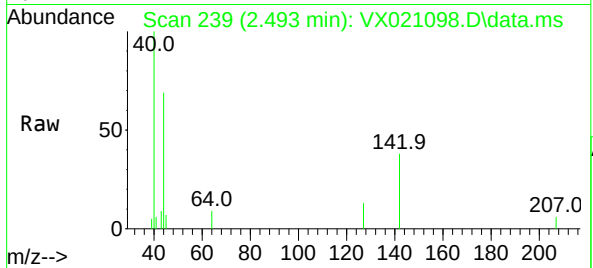




#10  
Methyl Iodide  
Concen: 0.25 ug/l  
RT: 2.493 min Scan# 239  
Delta R.T. 0.006 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

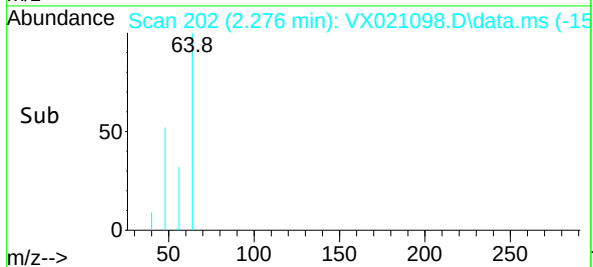
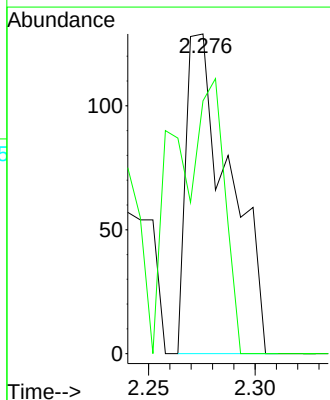
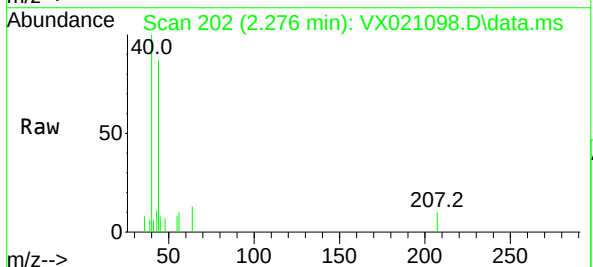
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

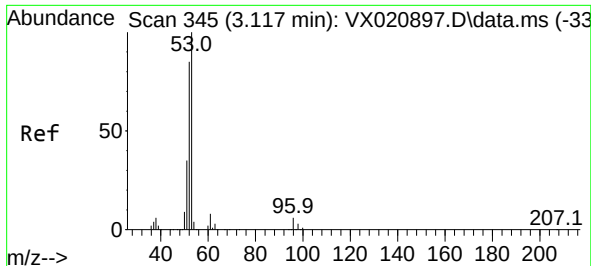
Tgt Ion:142 Resp: 744  
Ion Ratio Lower Upper  
142 100  
127 37.2 33.3 49.9  
141 5.0 11.4 17.0#



#13  
Acrolein  
Concen: 0.47 ug/l  
RT: 2.276 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

Tgt Ion: 56 Resp: 183  
Ion Ratio Lower Upper  
56 100  
55 97.3 56.4 84.6#

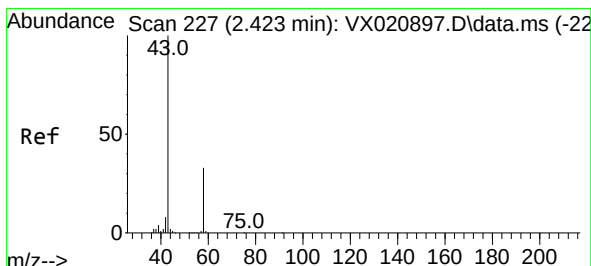
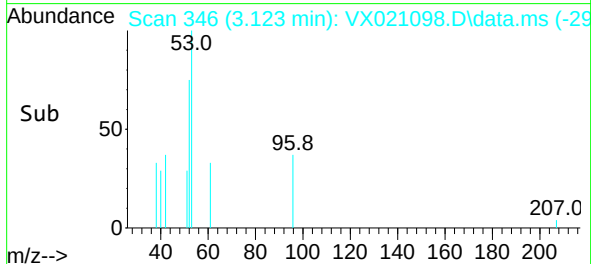
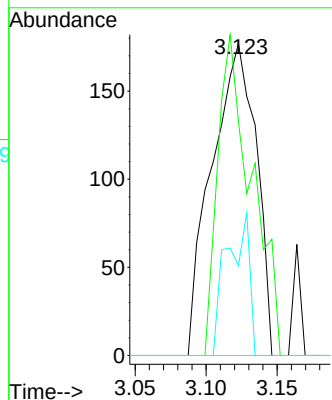
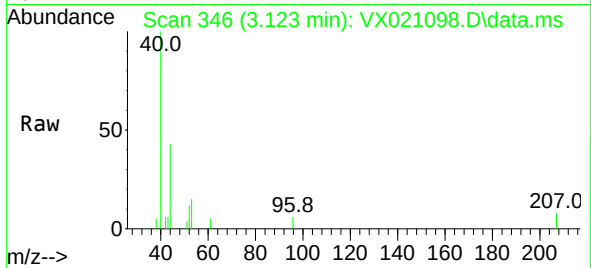




#15  
Acrylonitrile  
Concen: 0.29 ug/l  
RT: 3.123 min Scan# 346  
Delta R.T. 0.006 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

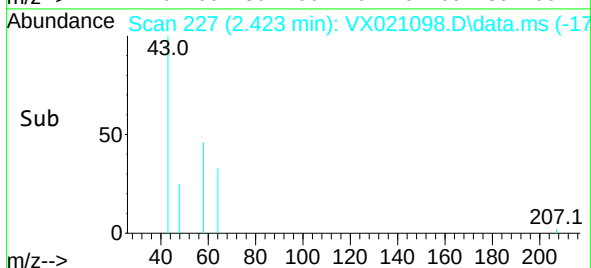
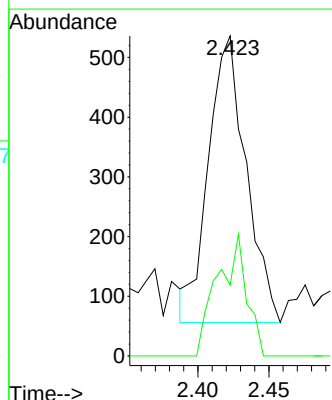
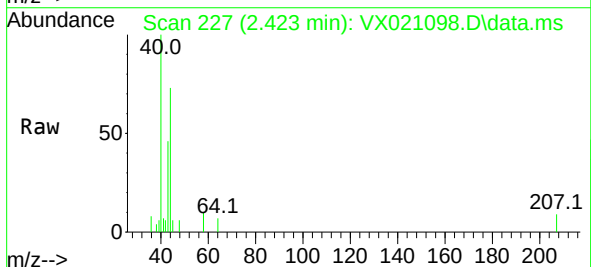
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

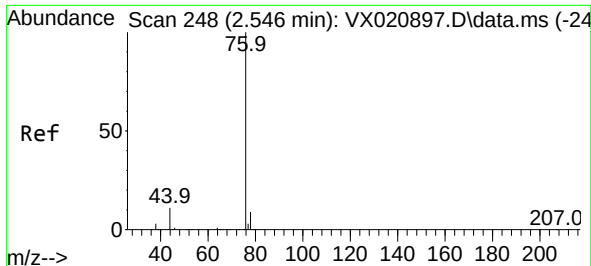
Tgt Ion: 53 Resp: 385  
Ion Ratio Lower Upper  
53 100  
52 78.7 65.3 97.9  
51 23.1 28.2 42.2#



#16  
Acetone  
Concen: 0.76 ug/l  
RT: 2.423 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

Tgt Ion: 43 Resp: 886  
Ion Ratio Lower Upper  
43 100  
58 24.8 27.8 41.8#

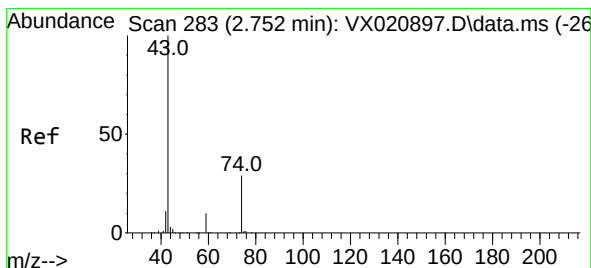
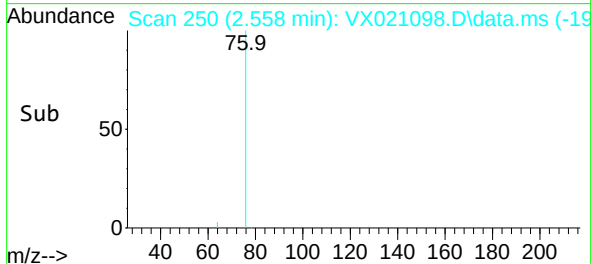
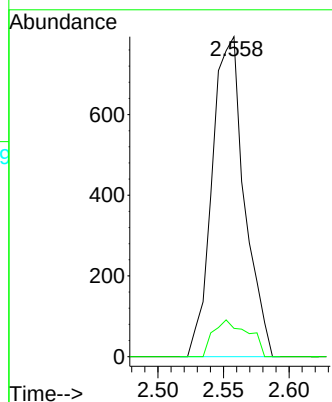
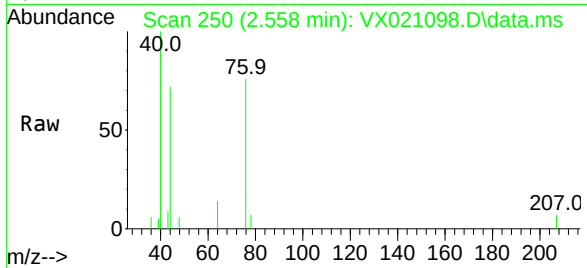




#17  
Carbon Disulfide  
Concen: 0.20 ug/l  
RT: 2.558 min Scan# 250  
Delta R.T. 0.012 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

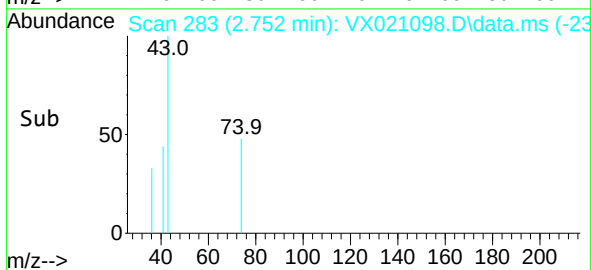
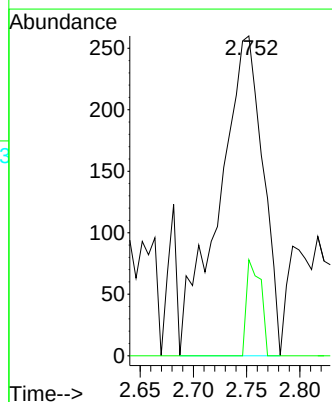
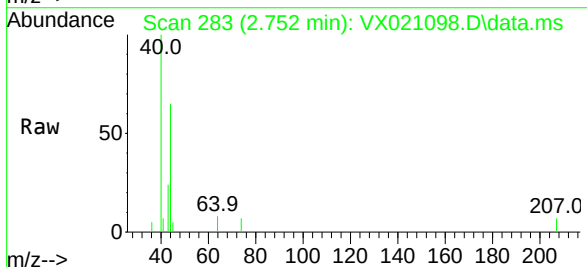
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

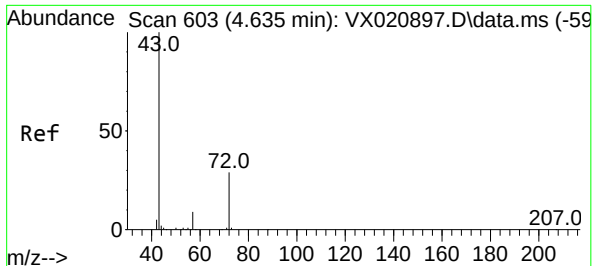
Tgt Ion: 76 Resp: 1359  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.2 10.8



#18  
Methyl Acetate  
Concen: 0.27 ug/l  
RT: 2.752 min Scan# 283  
Delta R.T. -0.000 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

Tgt Ion: 43 Resp: 748  
Ion Ratio Lower Upper  
43 100  
74 9.6 21.9 32.9#

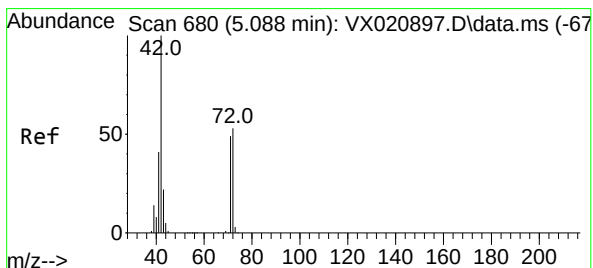
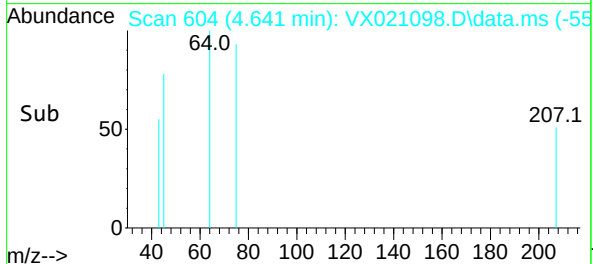
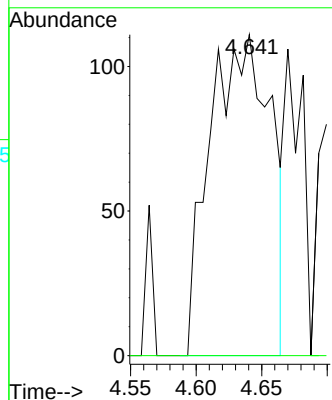
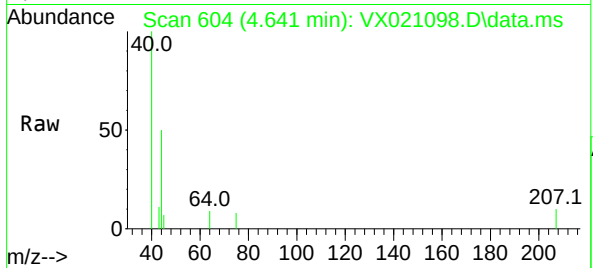




#25  
2-Butanone  
Concen: 0.20 ug/l  
RT: 4.641 min Scan# 604  
Delta R.T. 0.006 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

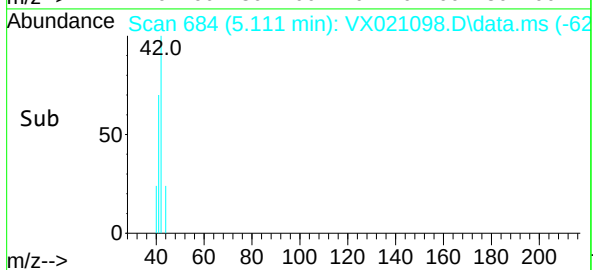
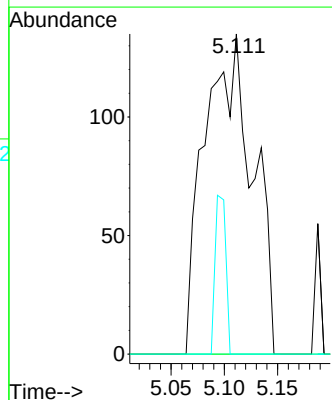
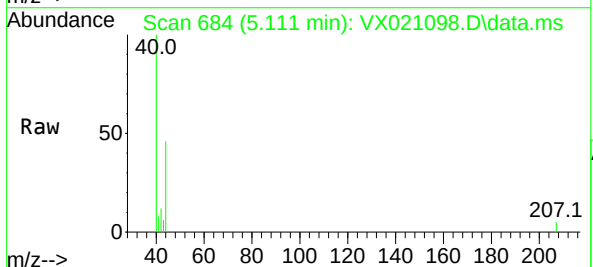
Instrument :  
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ClientSampleId :  
VX0309WBL01

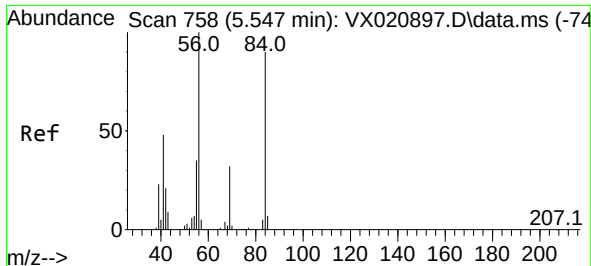
Tgt Ion: 43 Resp: 359  
Ion Ratio Lower Upper  
43 100  
72 0.0 23.7 35.5#



#29  
Tetrahydrofuran  
Concen: 0.37 ug/l  
RT: 5.111 min Scan# 684  
Delta R.T. 0.023 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

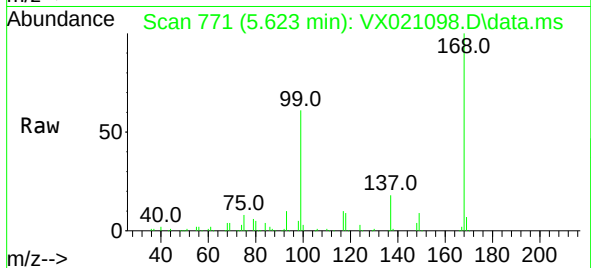
Tgt Ion: 42 Resp: 423  
Ion Ratio Lower Upper  
42 100  
72 0.0 41.7 62.5#  
71 11.1 38.4 57.6#



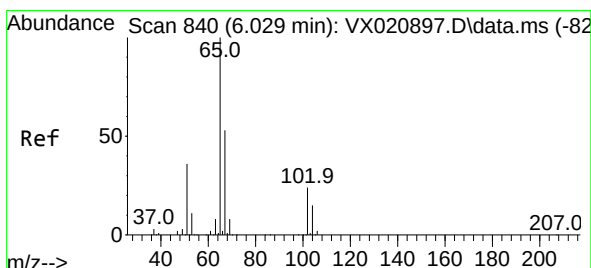
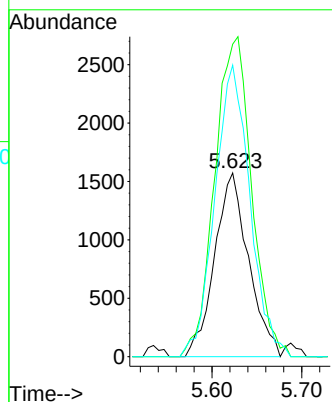
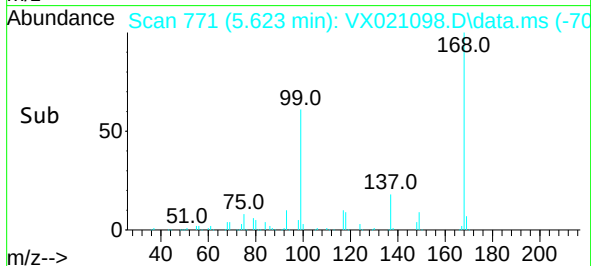


#31  
Cyclohexane  
Concen: 1.01 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. 0.076 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

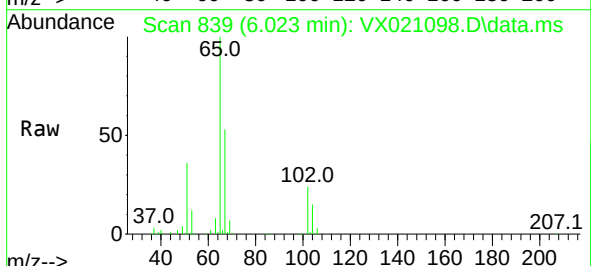
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01



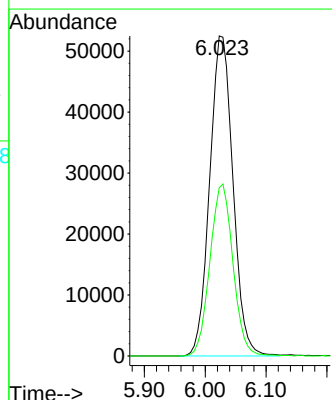
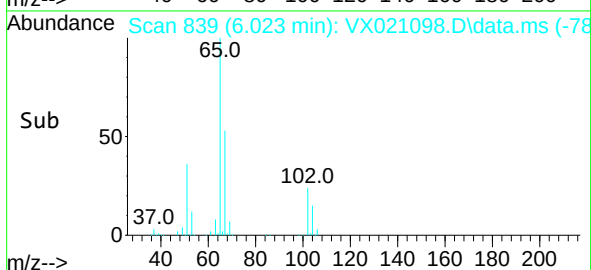
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Ion Ratio Lower Upper  
56 100  
69 170.1 25.3 37.9#  
84 158.7 71.4 107.0#



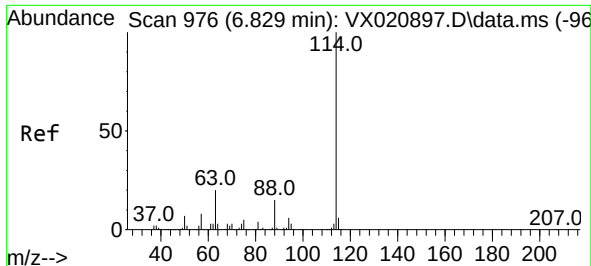
#33  
1,2-Dichloroethane-d4  
Concen: 49.59 ug/l  
RT: 6.023 min Scan# 839  
Delta R.T. -0.006 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24



Tgt Ion: 65 Resp: 139397  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 105.4

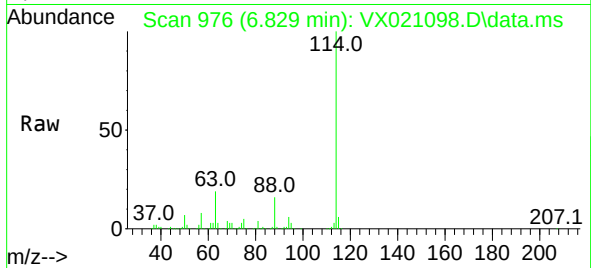




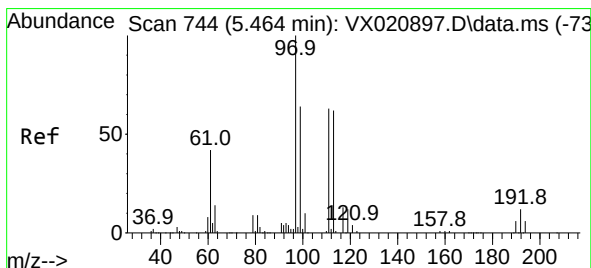
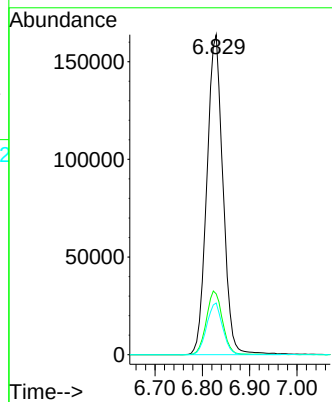
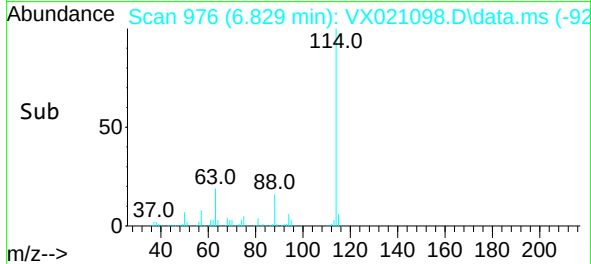


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

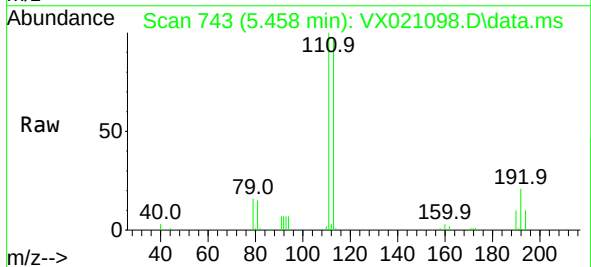
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01



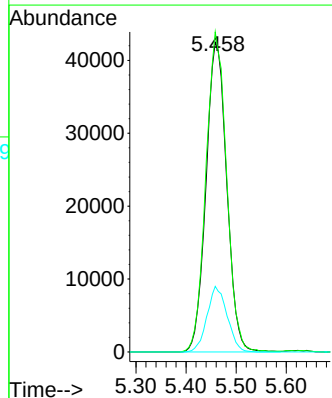
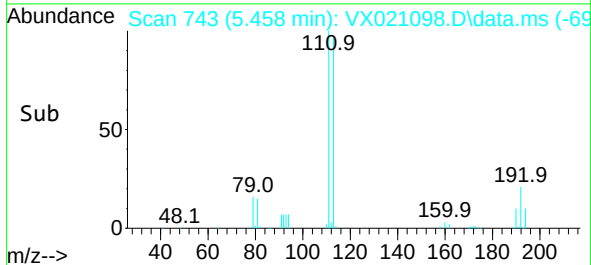
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Ion Ratio Lower Upper  
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63 19.0 0.0 40.8  
88 16.2 0.0 32.8

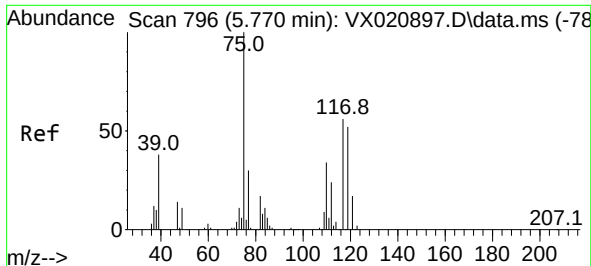


#35  
Dibromofluoromethane  
Concen: 51.91 ug/l  
RT: 5.458 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24



Tgt Ion:113 Resp: 122029  
Ion Ratio Lower Upper  
113 100  
111 103.1 81.9 122.9  
192 20.6 16.7 25.1

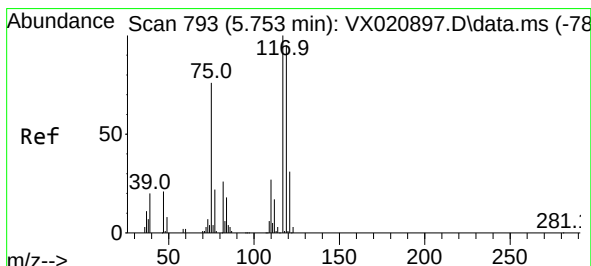
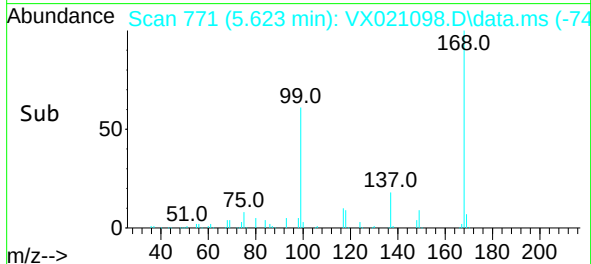
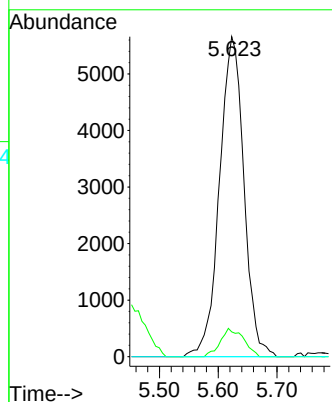
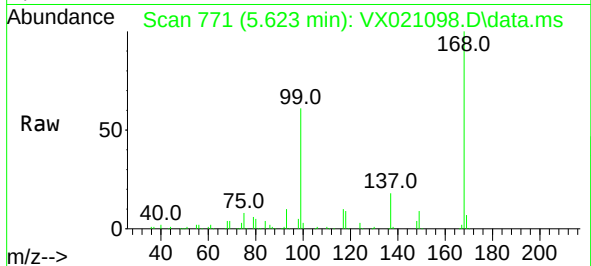




#36  
1,1-Dichloropropene  
Concen: 4.44 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.147 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

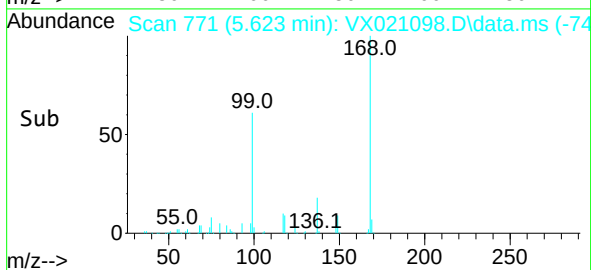
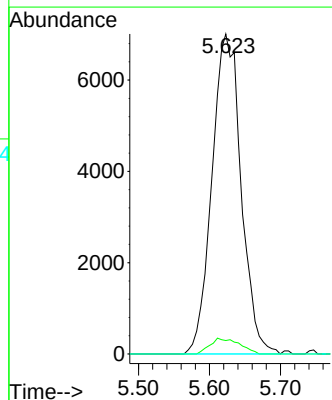
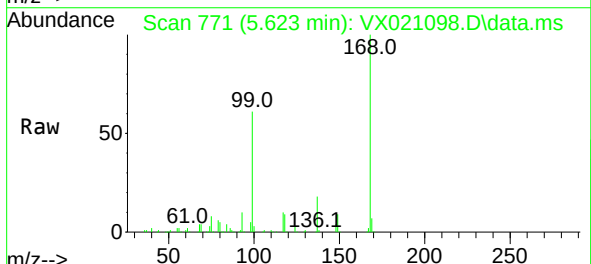
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

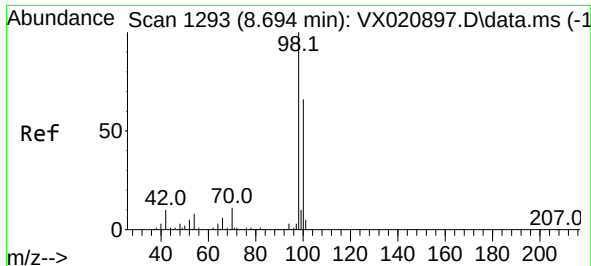
Tgt Ion: 75 Resp: 16345  
Ion Ratio Lower Upper  
75 100  
110 8.4 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.61 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.130 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

Tgt Ion: 117 Resp: 19979  
Ion Ratio Lower Upper  
117 100  
119 4.2 76.2 114.2#  
121 0.0 24.8 37.2#

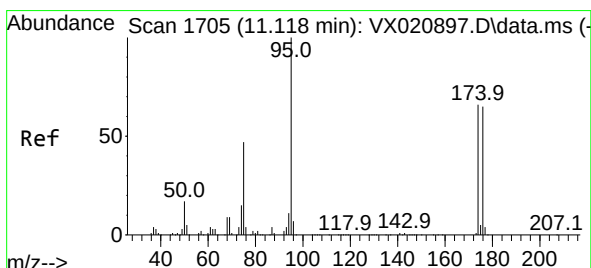
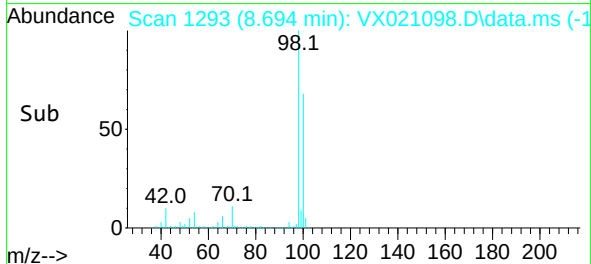
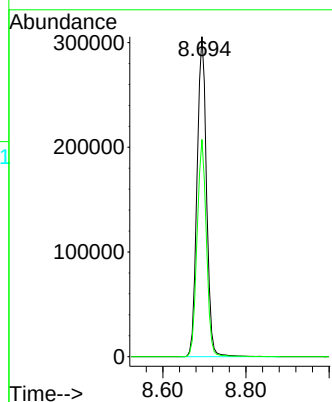
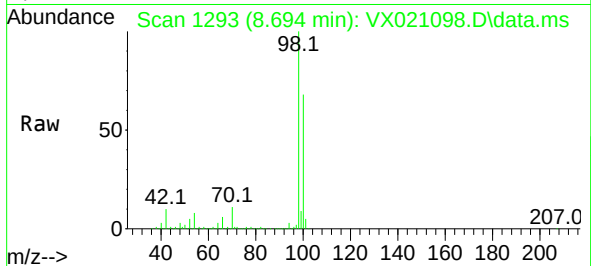




#50  
Toluene-d8  
Concen: 52.85 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

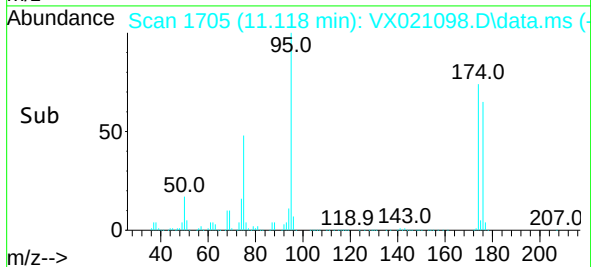
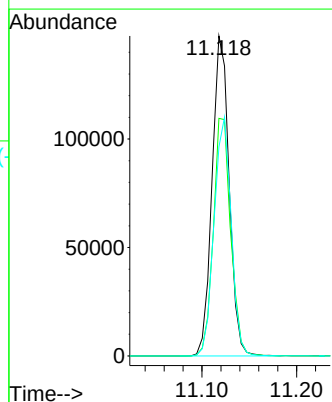
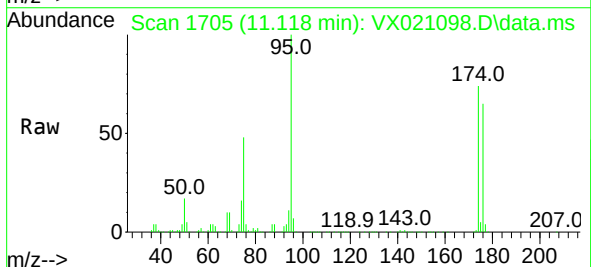
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

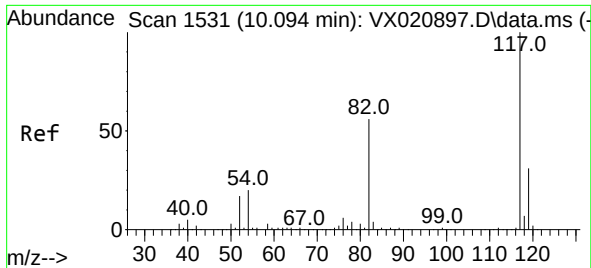
Tgt Ion: 98 Resp: 484438  
Ion Ratio Lower Upper  
98 100  
100 66.6 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 54.40 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

Tgt Ion: 95 Resp: 184378  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 154.6  
176 75.2 0.0 155.8

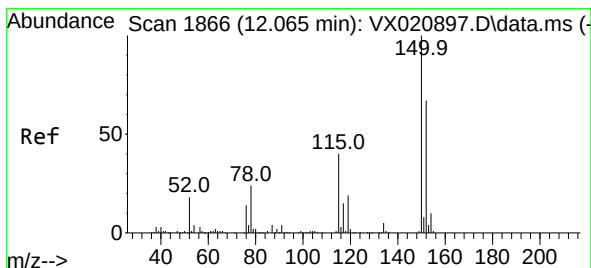
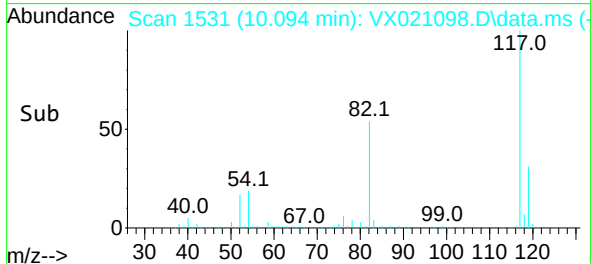
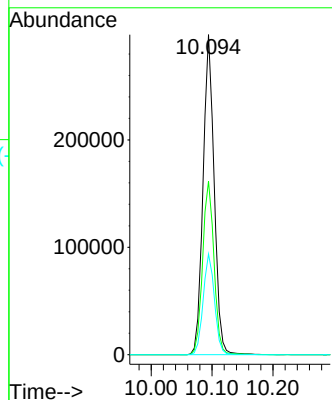
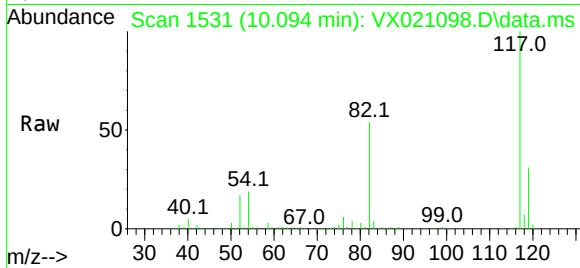




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

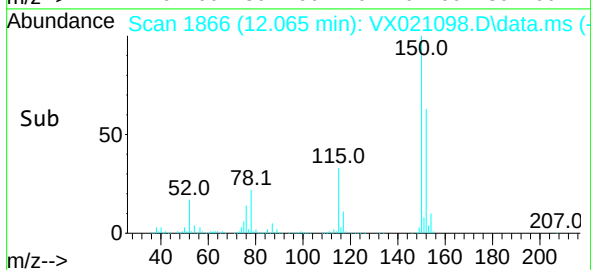
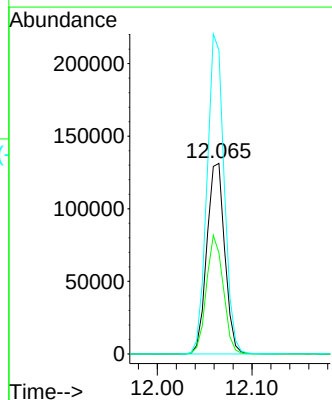
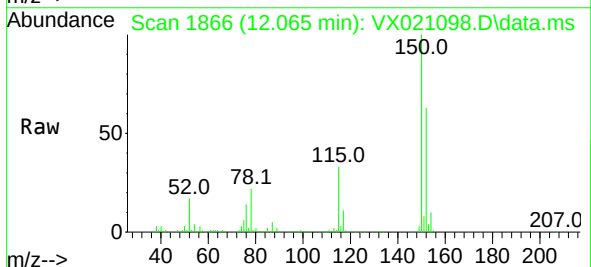
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

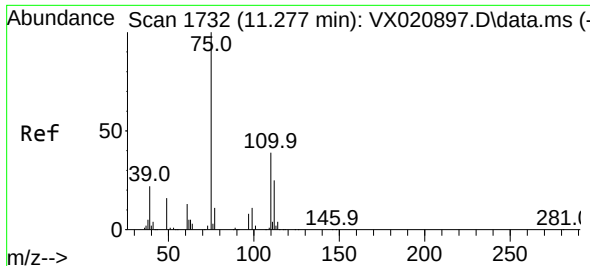
Tgt Ion:117 Resp: 378456  
Ion Ratio Lower Upper  
117 100  
82 54.2 47.4 71.2  
119 31.5 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.065 min Scan# 1866  
Delta R.T. -0.000 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

Tgt Ion:152 Resp: 172622  
Ion Ratio Lower Upper  
152 100  
115 58.6 41.1 123.3  
150 160.6 0.0 349.0

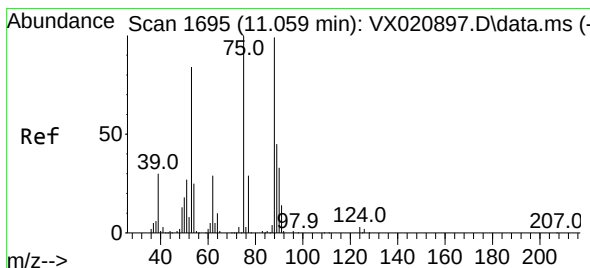
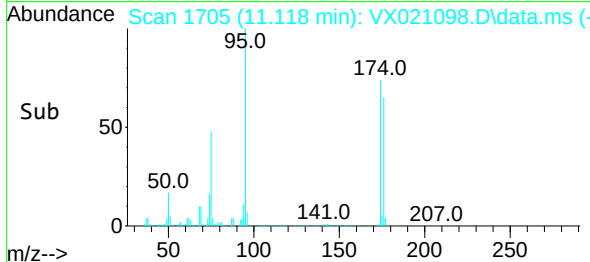
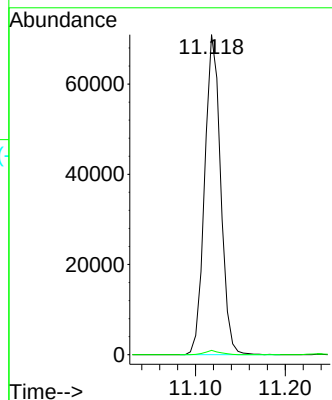
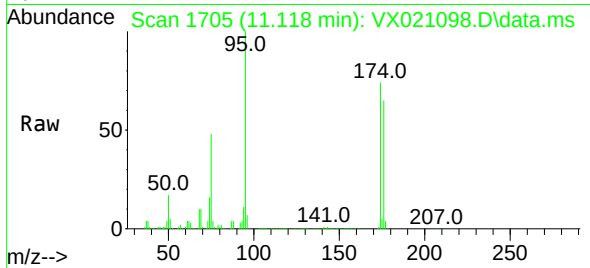




#76  
1,2,3-Trichloropropane  
Concen: 23.60 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

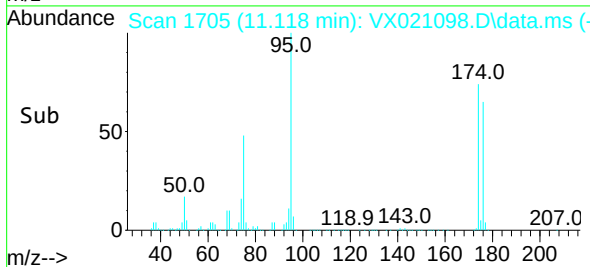
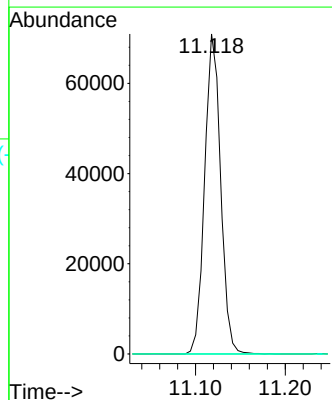
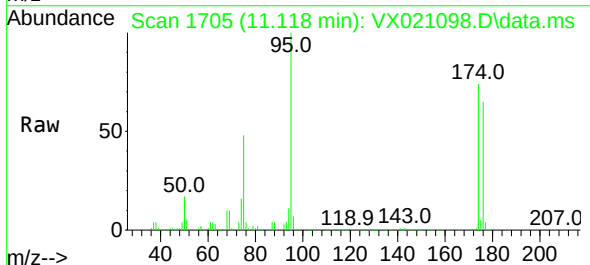
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

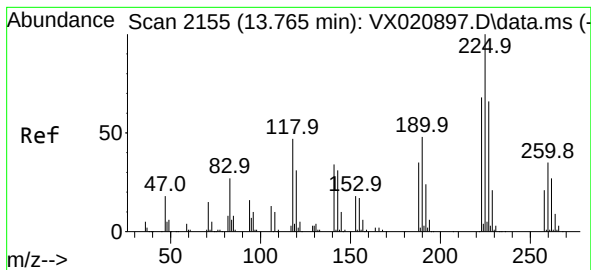
Tgt Ion: 75 Resp: 87622  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.24 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

Tgt Ion: 75 Resp: 87622  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#





#94  
Hexachlorobutadiene  
Concen: 0.22 ug/l  
RT: 13.765 min Scan# 2155  
Delta R.T. -0.000 min  
Lab File: VX021098.D  
Acq: 09 Mar 2021 10:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0309WBL01

Tgt Ion:225 Resp: 308  
Ion Ratio Lower Upper  
225 100  
223 58.4 31.1 93.2  
227 57.8 31.6 95.0

