

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032321\  
 Data File : VX021401.D  
 Acq On : 23 Mar 2021 22:24  
 Operator : JC/MD  
 Sample : VX0323WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 24 02:02:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

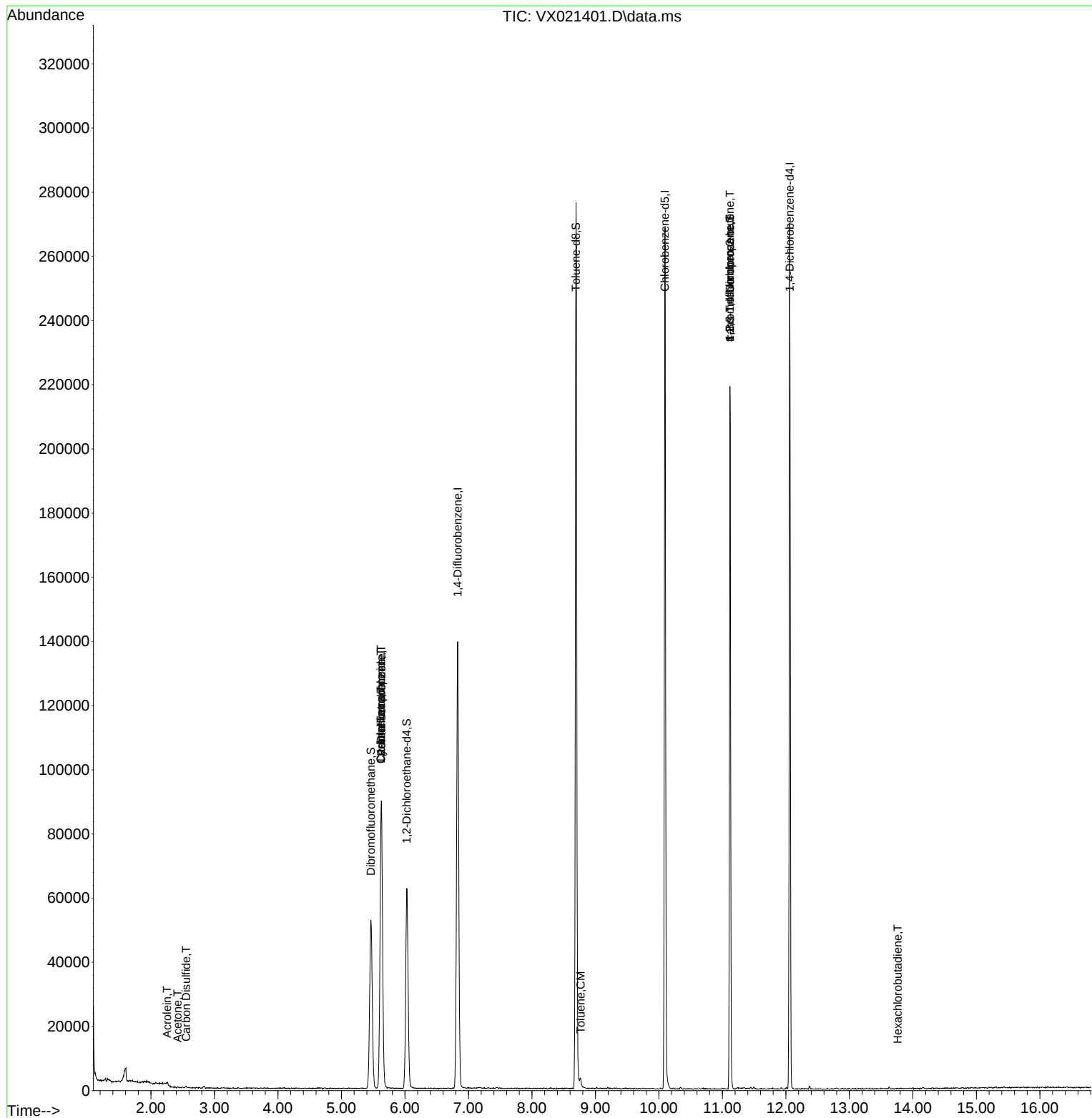
| Compound                      | R.T.           | QIon | Response   | Conc         | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|--------------|-------|----------|
| -----                         |                |      |            |              |       |          |
| Internal Standards            |                |      |            |              |       |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 76437      | 50.00        | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829          | 114  | 127295     | 50.00        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.094         | 117  | 112714     | 50.00        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059         | 152  | 48214      | 50.00        | ug/l  | 0.00     |
|                               |                |      |            |              |       |          |
| System Monitoring Compounds   |                |      |            |              |       |          |
| 33) 1,2-Dichloroethane-d4     | 6.029          | 65   | 61407      | 48.98        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 97.96%       |       |          |
| 35) Dibromofluoromethane      | 5.464          | 113  | 43686      | 50.43        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 100.86%      |       |          |
| 50) Toluene-d8                | 8.694          | 98   | 155732     | 49.55        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 99.10%       |       |          |
| 62) 4-Bromofluorobenzene      | 11.118         | 95   | 55441      | 45.42        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 90.84%       |       |          |
|                               |                |      |            |              |       |          |
| Target Compounds              |                |      |            |              |       | Qvalue   |
| 3) Chloromethane              | 1.317          | 50   | 825        | Below Cal    |       | 95       |
| 13) Acrolein                  | 2.252          | 56   | 125        | 4.10 ug/l    |       | 84       |
| 16) Acetone                   | 2.417          | 43   | 516        | 1.12 ug/l #  |       | 83       |
| 17) Carbon Disulfide          | 2.552          | 76   | 530        | 0.77 ug/l #  |       | 85       |
| 31) Cyclohexane               | 5.623          | 56   | 2269       | 1.50 ug/l #  |       | 44       |
| 36) 1,1-Dichloropropene       | 5.623          | 75   | 6968       | 5.43 ug/l #  |       | 49       |
| 38) Carbon Tetrachloride      | 5.623          | 117  | 8844       | 6.64 ug/l #  |       | 16       |
| 52) Toluene                   | 8.765          | 92   | 679        | 0.31 ug/l    |       | 96       |
| 76) 1,2,3-Trichloropropane    | 11.118         | 75   | 31986      | 28.60 ug/l # |       | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118         | 75   | 31986      | 77.65 ug/l # |       | 12       |
| 94) Hexachlorobutadiene       | 13.759         | 225  | 84         | 0.20 ug/l #  |       | 19       |
| -----                         |                |      |            |              |       |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032321\  
Data File : VX021401.D  
Acq On : 23 Mar 2021 22:24  
Operator : JC/MD  
Sample : VX0323WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

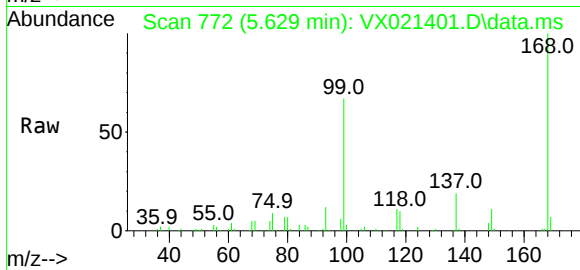
Quant Time: Mar 24 02:02:00 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration



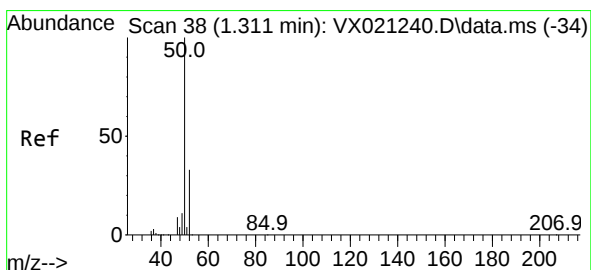
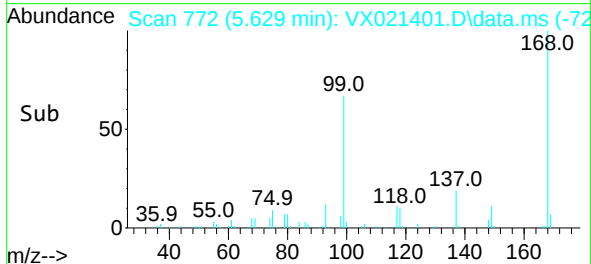
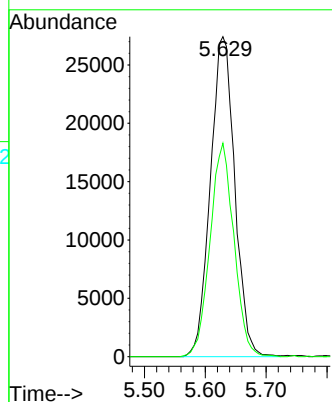


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

Instrument :  
MSVOA\_X  
ClientSampled :

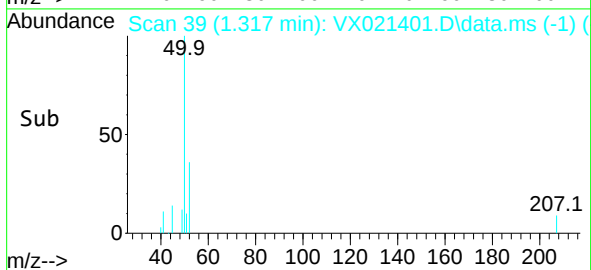
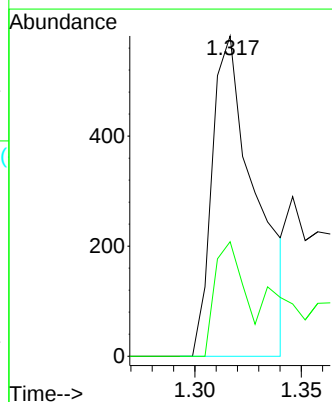
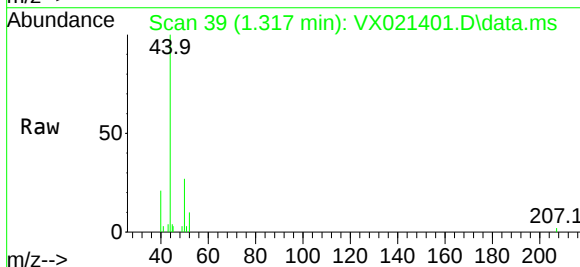


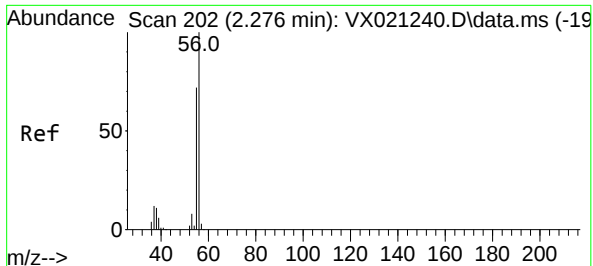
Tgt Ion:168 Resp: 76437  
Ion Ratio Lower Upper  
168 100  
99 66.7 45.8 68.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

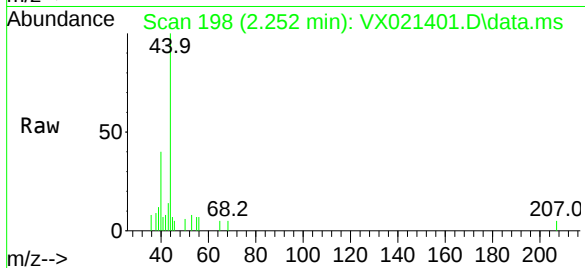
Tgt Ion: 50 Resp: 825  
Ion Ratio Lower Upper  
50 100  
52 35.7 26.4 39.6



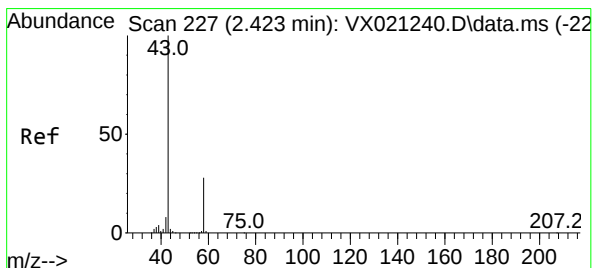
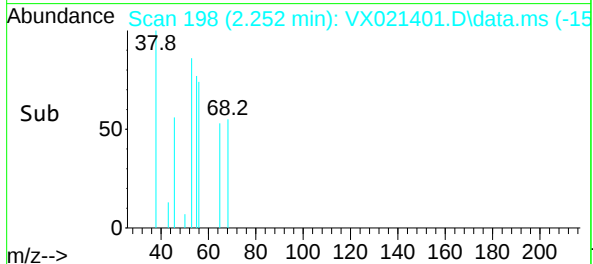
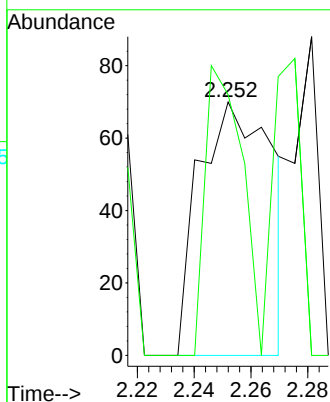


#13  
Acrolein  
Concen: 4.10 ug/l  
RT: 2.252 min Scan# 198  
Delta R.T. -0.024 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

Instrument :  
MSVOA\_X  
ClientSampled :

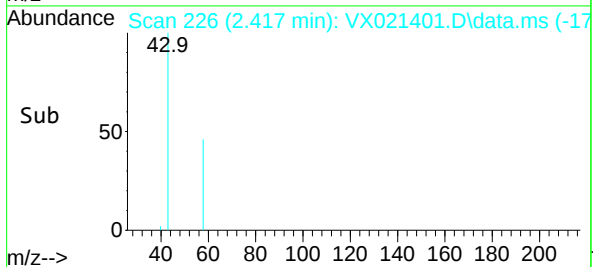
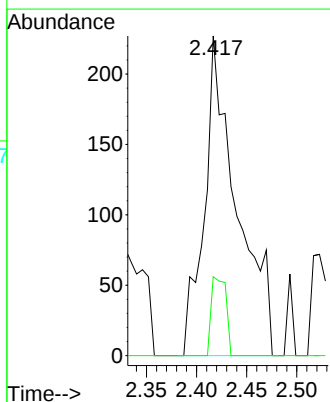
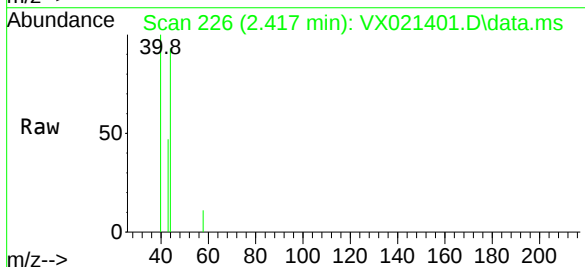


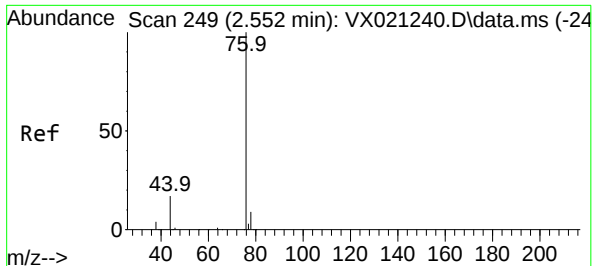
Tgt Ion: 56 Resp: 125  
Ion Ratio Lower Upper  
56 100  
55 57.6 56.4 84.6



#16  
Acetone  
Concen: 1.12 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

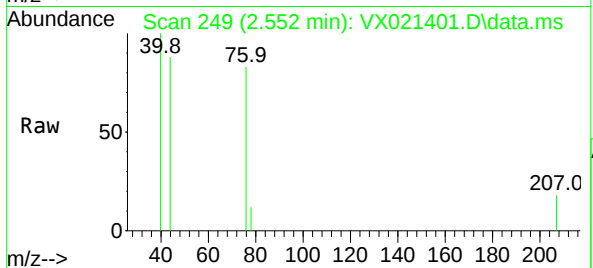
Tgt Ion: 43 Resp: 516  
Ion Ratio Lower Upper  
43 100  
58 24.7 27.8 41.8#



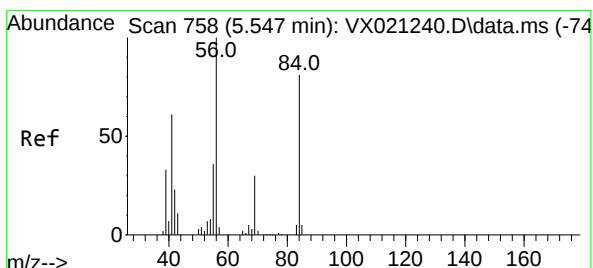
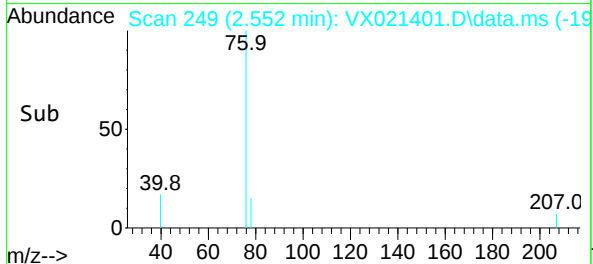
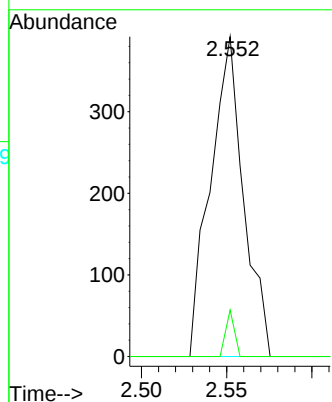


#17  
Carbon Disulfide  
Concen: 0.77 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. -0.000 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

Instrument :  
MSVOA\_X  
ClientSampled :

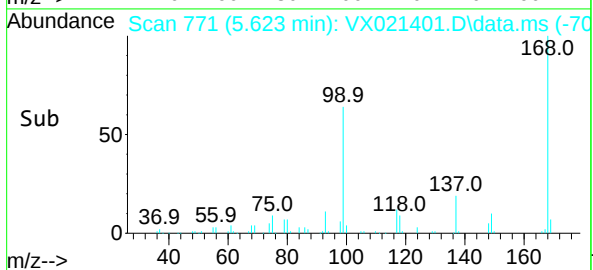
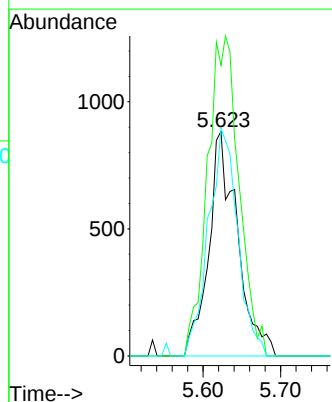
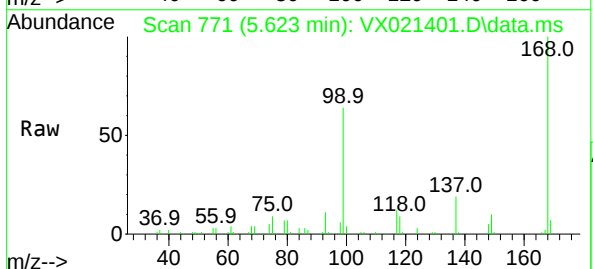


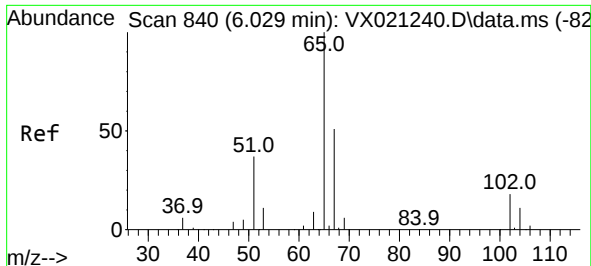
Tgt Ion: 76 Resp: 530  
Ion Ratio Lower Upper  
76 100  
78 14.5 7.2 10.8#



#31  
Cyclohexane  
Concen: 1.50 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. 0.076 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

Tgt Ion: 56 Resp: 2269  
Ion Ratio Lower Upper  
56 100  
69 129.6 25.3 37.9#  
84 101.4 71.4 107.0

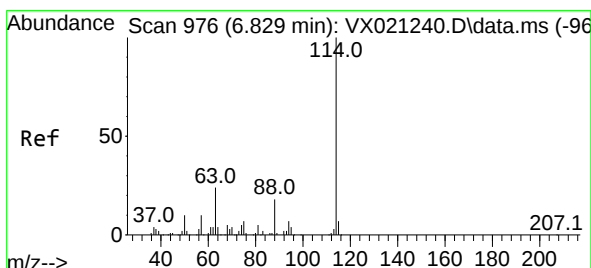
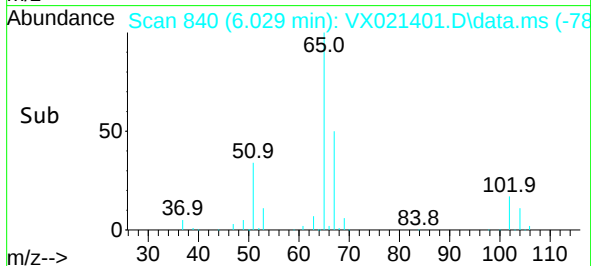
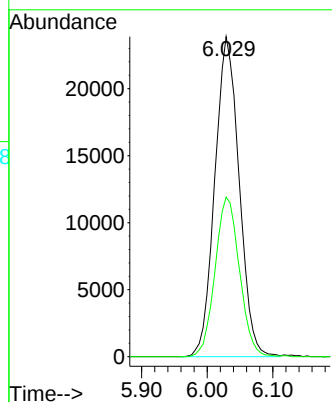
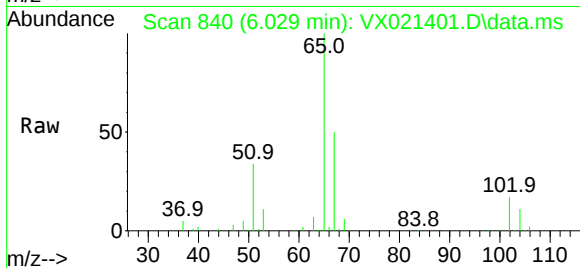




#33  
1,2-Dichloroethane-d4  
Concen: 48.98 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. -0.000 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

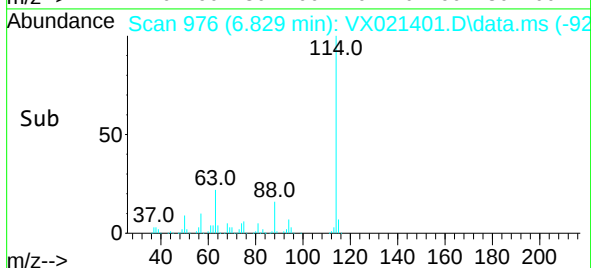
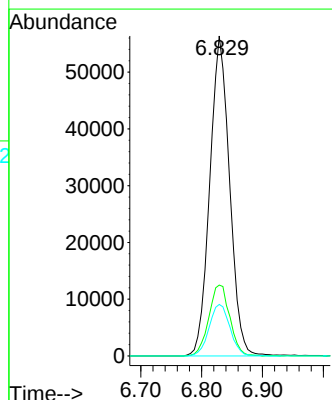
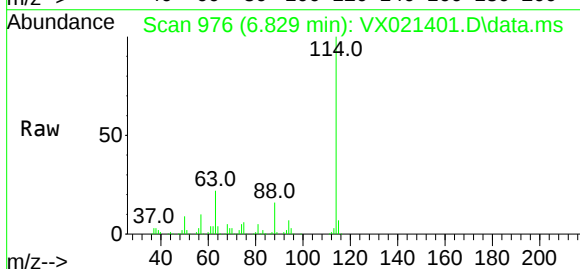
Instrument :  
MSVOA\_X  
ClientSampleId :

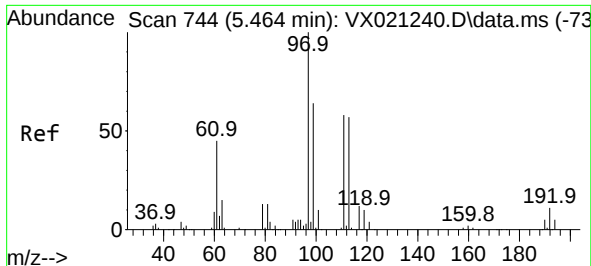
Tgt Ion: 65 Resp: 61407  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 105.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

Tgt Ion: 114 Resp: 127295  
Ion Ratio Lower Upper  
114 100  
63 22.2 0.0 40.8  
88 16.1 0.0 32.8

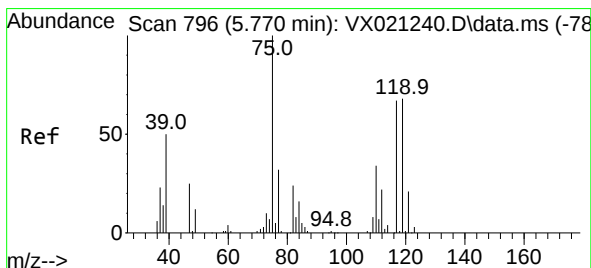
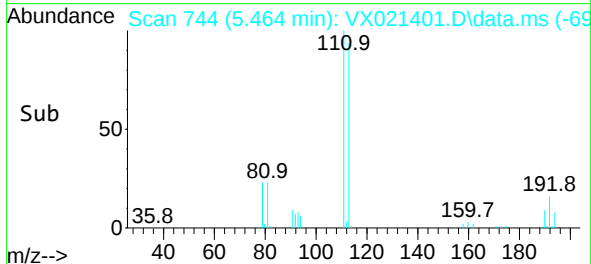
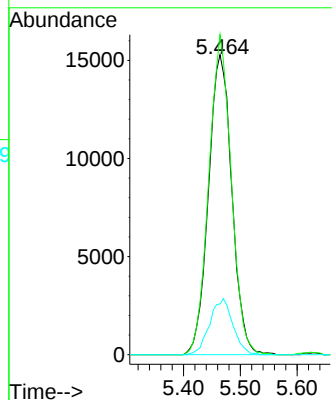
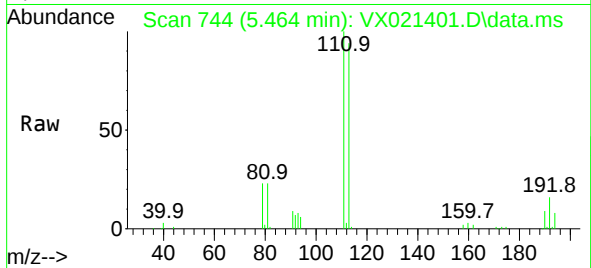




#35  
Dibromofluoromethane  
Concen: 50.43 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

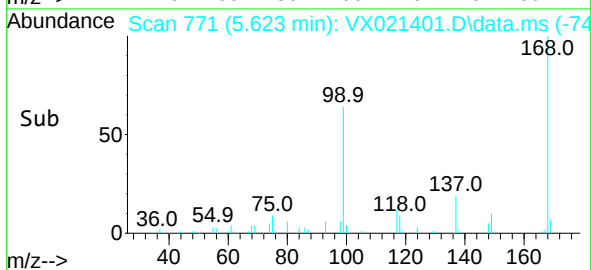
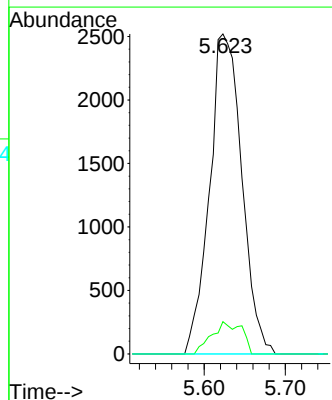
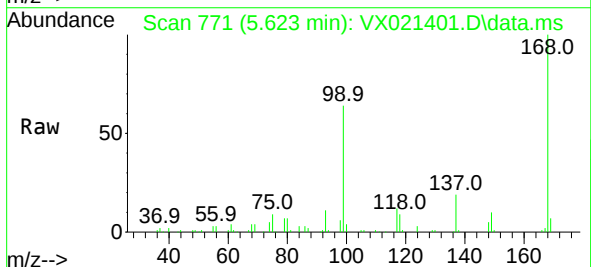
Instrument :  
MSVOA\_X  
ClientSampled :

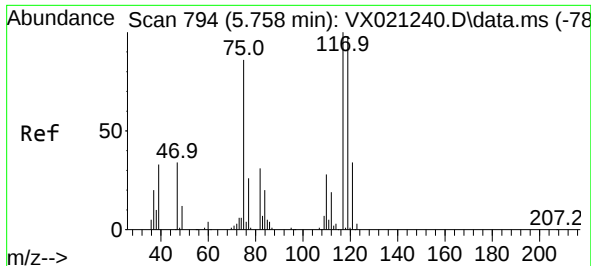
Tgt Ion:113 Resp: 43686  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.9 122.9  
192 18.5 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.43 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.147 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

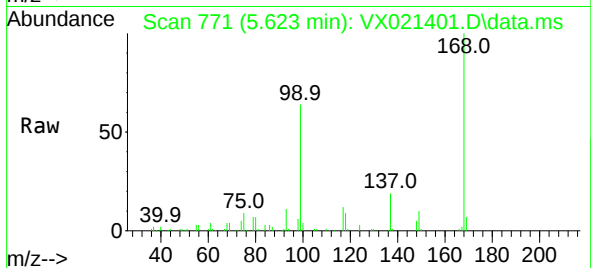
Tgt Ion: 75 Resp: 6968  
Ion Ratio Lower Upper  
75 100  
110 9.3 18.1 54.4#  
77 0.0 25.3 37.9#



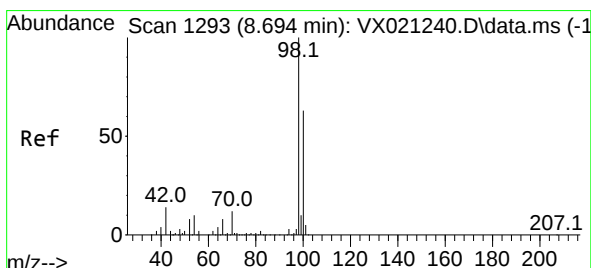
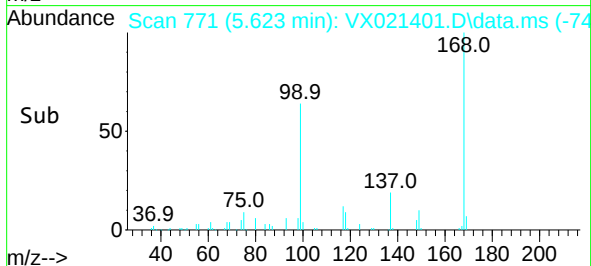
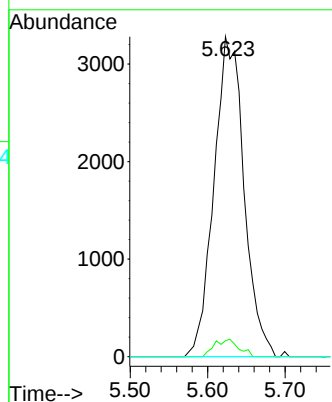


#38  
Carbon Tetrachloride  
Concen: 6.64 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.135 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

Instrument :  
MSVOA\_X  
ClientSampled :

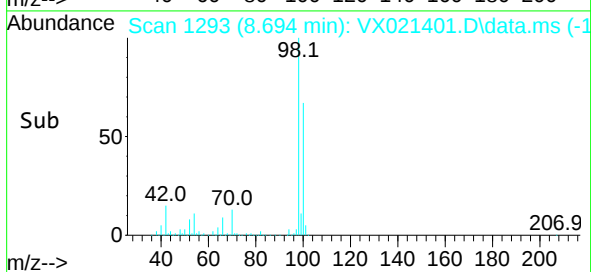
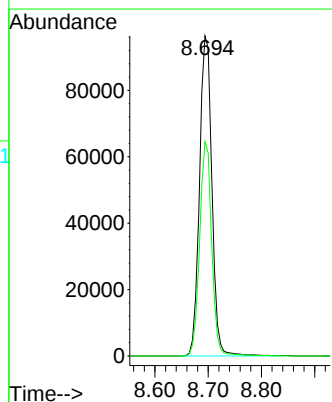
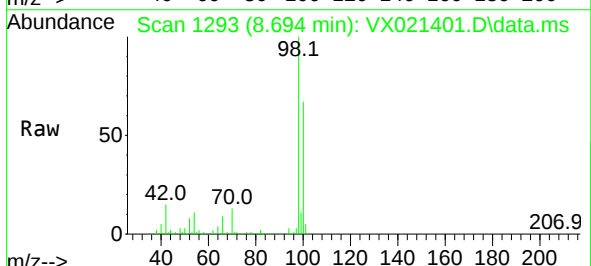


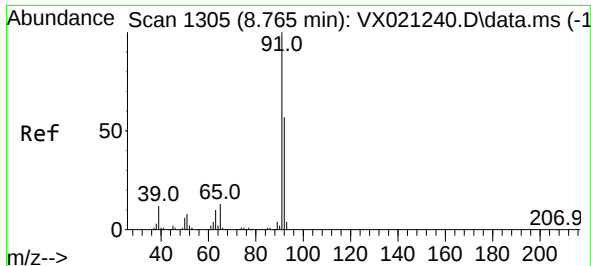
Tgt Ion:117 Resp: 8844  
Ion Ratio Lower Upper  
117 100  
119 5.0 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.55 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

Tgt Ion: 98 Resp: 155732  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.9 77.9

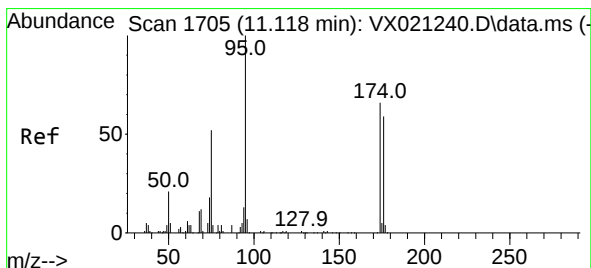
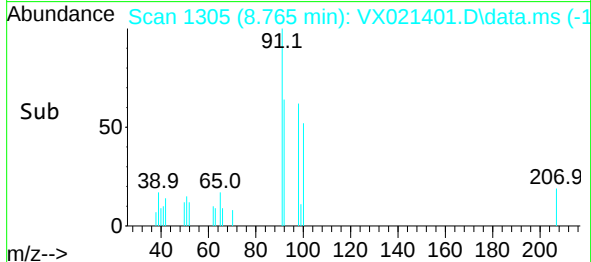
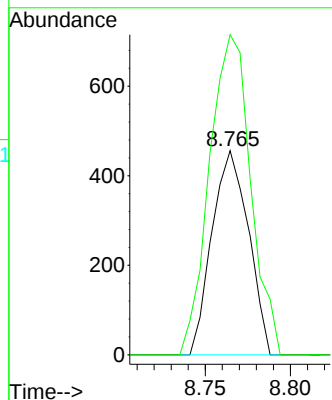
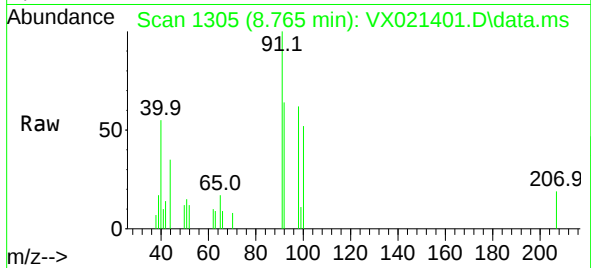




#52  
Toluene  
Concen: 0.31 ug/l  
RT: 8.765 min Scan# 1305  
Delta R.T. -0.000 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

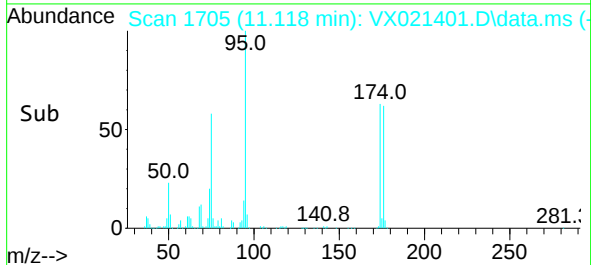
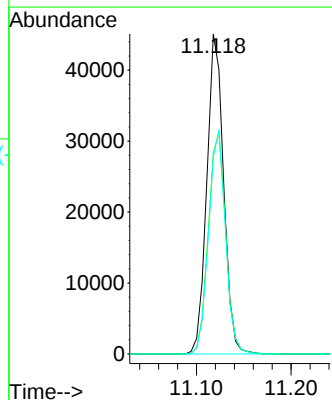
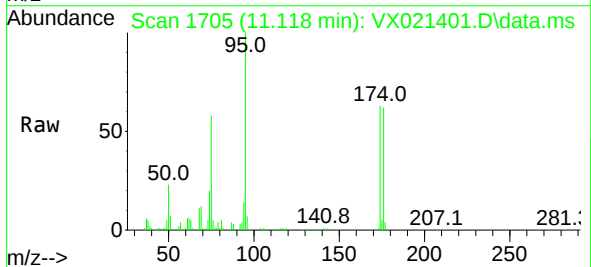
Instrument :  
MSVOA\_X  
ClientSampled :

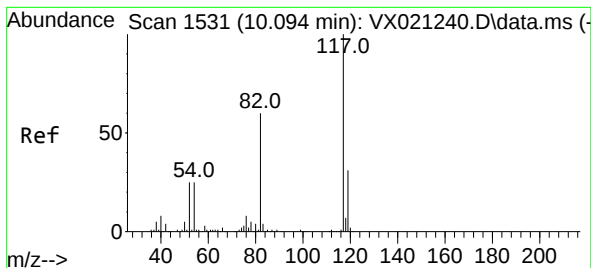
Tgt Ion: 92 Resp: 679  
Ion Ratio Lower Upper  
92 100  
91 177.5 137.1 205.7



#62  
4-Bromofluorobenzene  
Concen: 45.42 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

Tgt Ion: 95 Resp: 55441  
Ion Ratio Lower Upper  
95 100  
174 71.9 0.0 154.6  
176 70.2 0.0 155.8

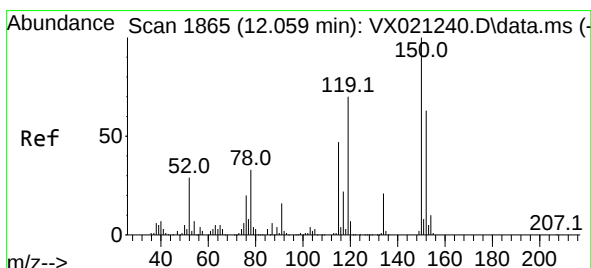
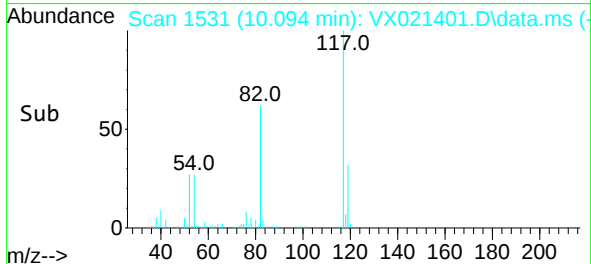
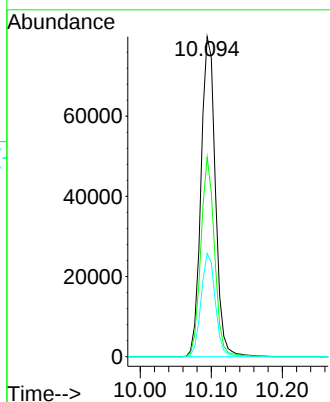
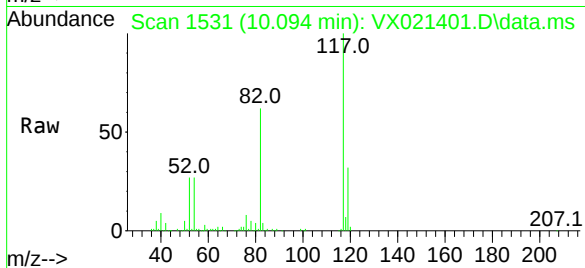




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

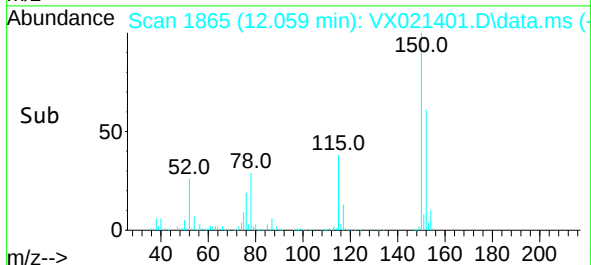
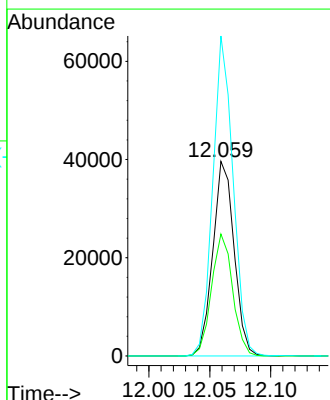
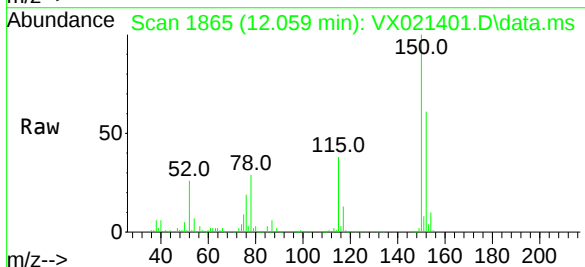
Instrument :  
MSVOA\_X  
ClientSampleId :

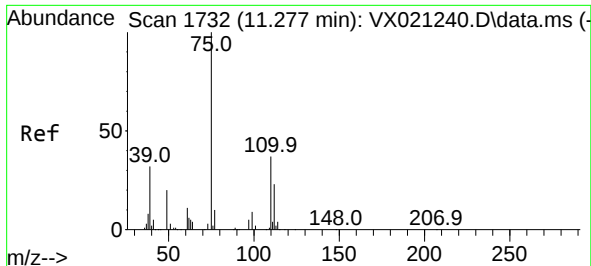
Tgt Ion:117 Resp: 112714  
Ion Ratio Lower Upper  
117 100  
82 62.4 47.4 71.2  
119 32.3 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

Tgt Ion:152 Resp: 48214  
Ion Ratio Lower Upper  
152 100  
115 62.1 41.1 123.3  
150 156.8 0.0 349.0

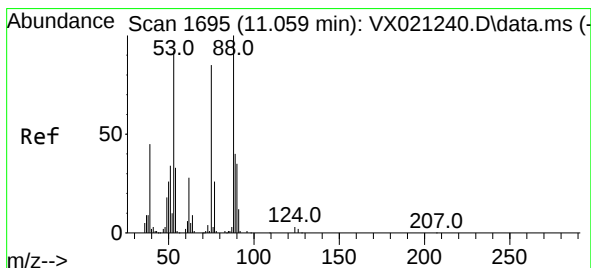
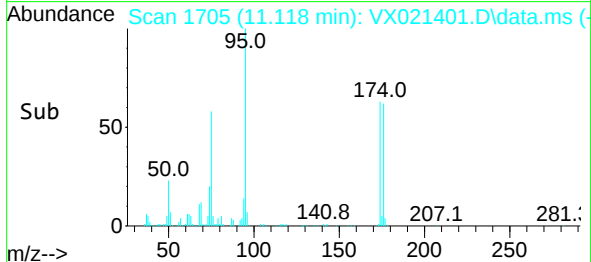
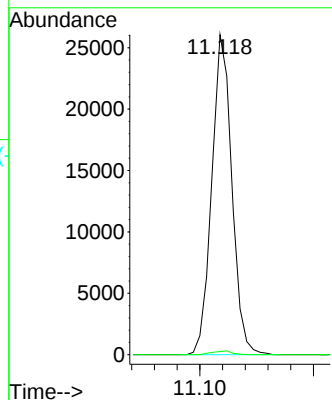
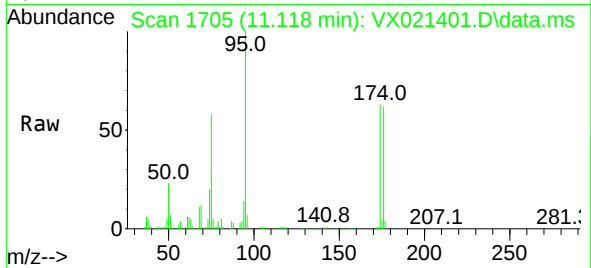




#76  
1,2,3-Trichloropropane  
Concen: 28.60 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

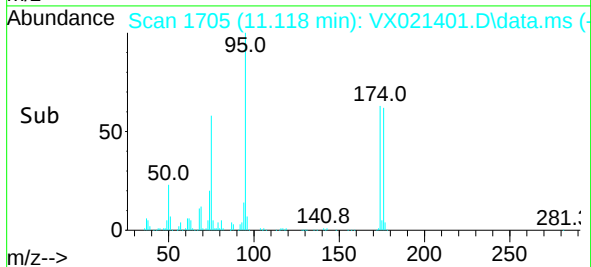
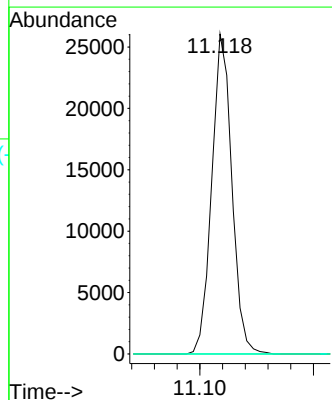
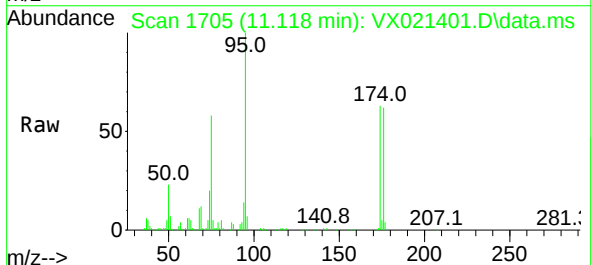
Instrument :  
MSVOA\_X  
ClientSampled :

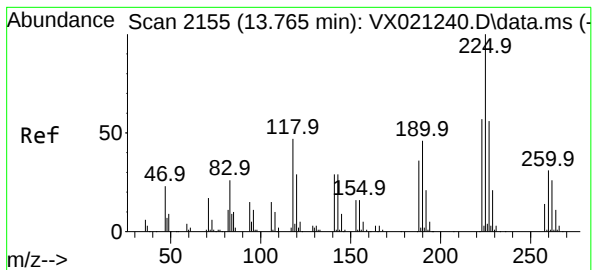
Tgt Ion: 75 Resp: 31986  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.65 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021401.D  
Acq: 23 Mar 2021 22:24

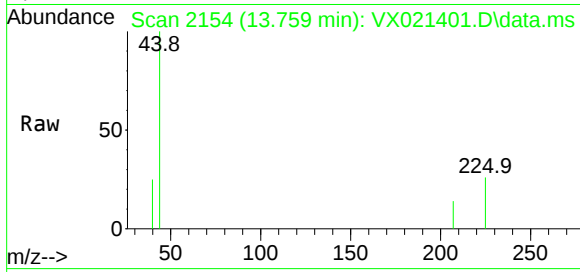
Tgt Ion: 75 Resp: 31986  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#





#94  
 Hexachlorobutadiene  
 Concen: 0.20 ug/l  
 RT: 13.759 min Scan# 2154  
 Delta R.T. -0.006 min  
 Lab File: VX021401.D  
 Acq: 23 Mar 2021 22:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 84    |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 0.0   | 31.1  | 93.2# |
| 227      | 0.0   | 31.6  | 95.0# |

