

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030621\  
 Data File : VX021019.D  
 Acq On : 04 Mar 2021 17:08  
 Operator : JC/MD  
 Sample : M1553-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 05 01:23:16 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

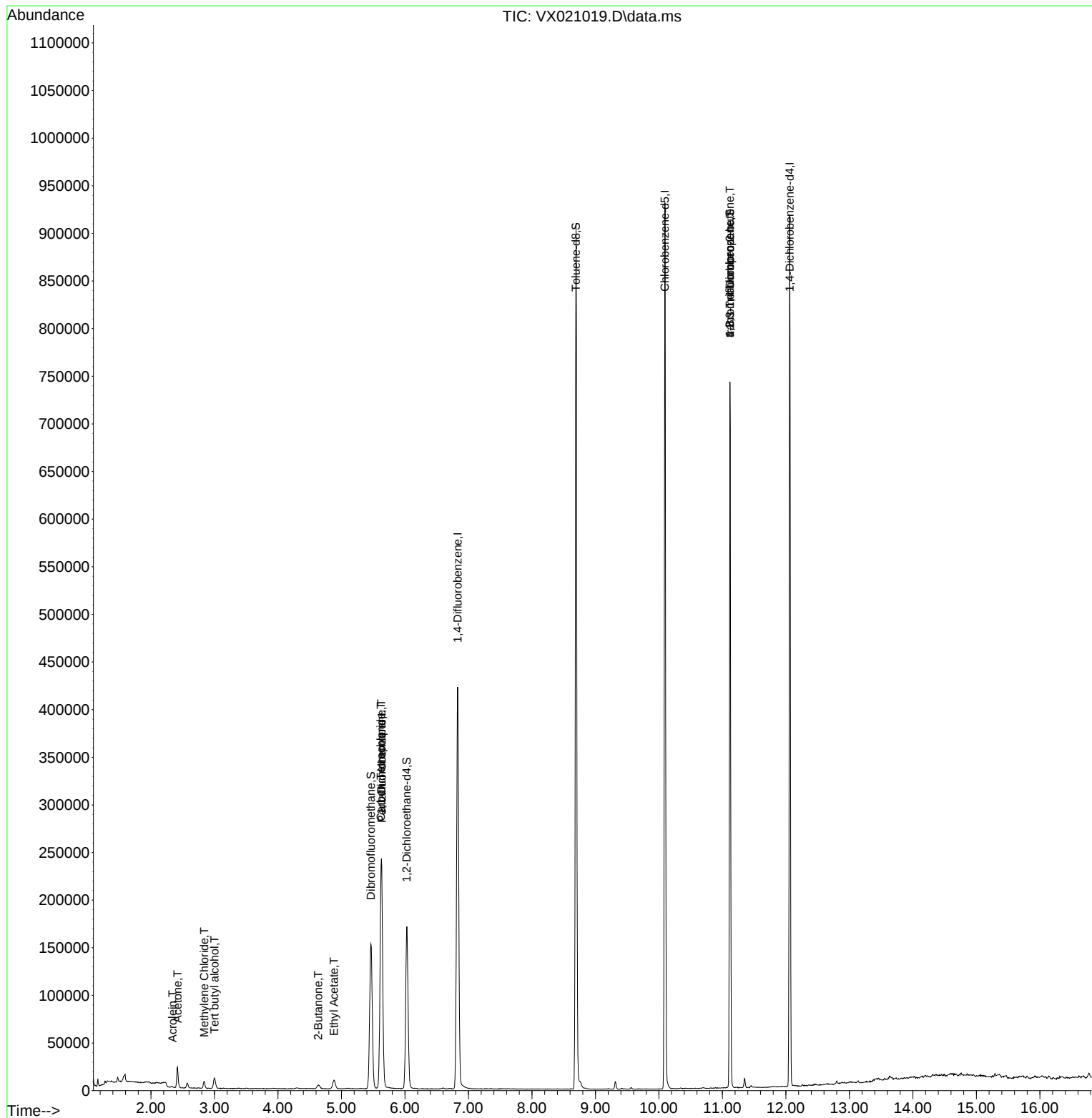
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.635  | 168   | 237613   | 50.00     | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.829  | 114   | 445575   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 428890   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 183414   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.029  | 65    | 159388   | 49.66     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 99.32%   |
| 35) Dibromofluoromethane      | 5.464  | 113   | 136661   | 50.48     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 100.96%  |
| 50) Toluene-d8                | 8.694  | 98    | 555344   | 52.61     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 105.22%  |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 206910   | 53.01     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 106.02%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.640  | 94    | 358      | Below Cal |        | 85       |
| 11) Tert butyl alcohol        | 2.999  | 59    | 11881    | 16.62     | ug/l   | 96       |
| 13) Acrolein                  | 2.340  | 56    | 178      | 0.40      | ug/l # | 14       |
| 16) Acetone                   | 2.417  | 43    | 22028    | 16.66     | ug/l   | 96       |
| 20) Methylene Chloride        | 2.840  | 84    | 3649     | 1.15      | ug/l   | 92       |
| 25) 2-Butanone                | 4.635  | 43    | 5435     | 2.71      | ug/l   | 95       |
| 36) 1,1-Dichloropropene       | 5.629  | 75    | 18369    | 4.34      | ug/l # | 47       |
| 37) Ethyl Acetate             | 4.882  | 43    | 10394    | 2.58      | ug/l # | 64       |
| 38) Carbon Tetrachloride      | 5.623  | 117   | 22915    | 5.58      | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 98699    | 25.01     | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 98699    | 55.38     | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

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

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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Mar 05 01:23:16 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

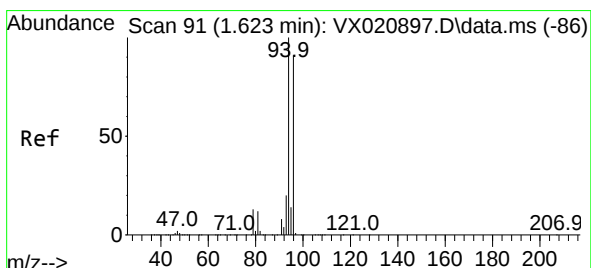
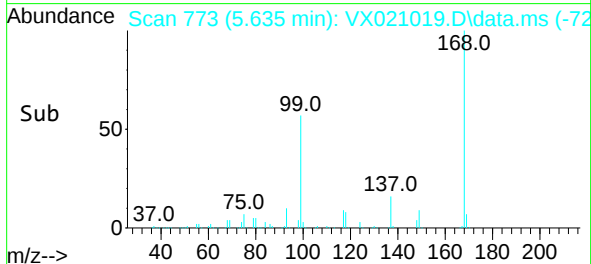
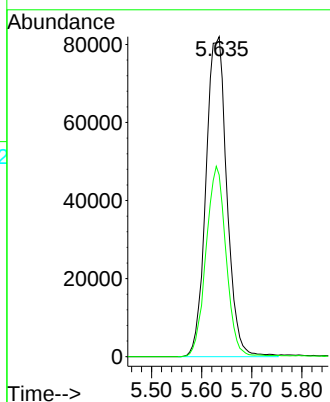
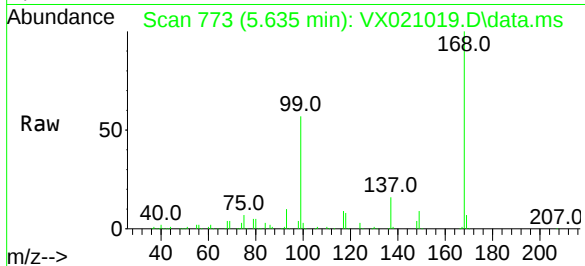




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. 0.012 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

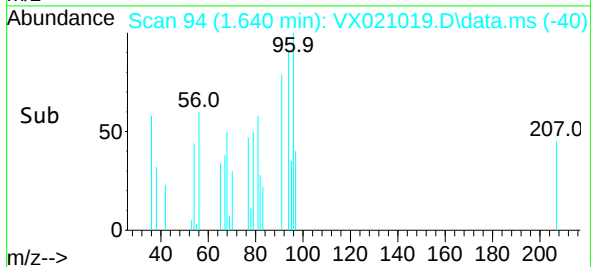
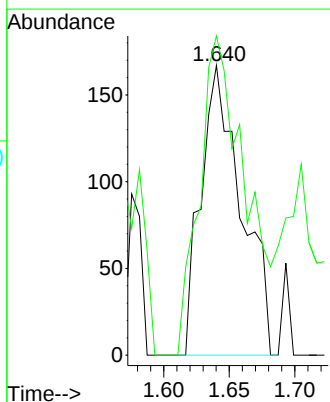
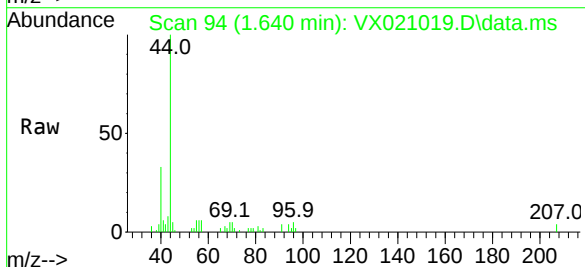
Instrument :  
MSVOA\_X  
ClientSampleId :

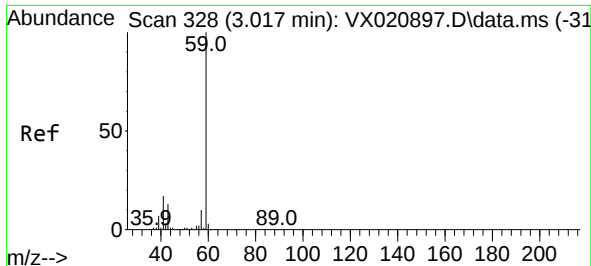
Tgt Ion:168 Resp: 237613  
Ion Ratio Lower Upper  
168 100  
99 56.8 45.8 68.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.640 min Scan# 94  
Delta R.T. 0.017 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

Tgt Ion: 94 Resp: 358  
Ion Ratio Lower Upper  
94 100  
96 110.2 76.4 114.6

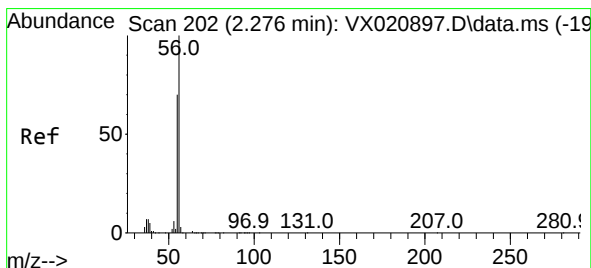
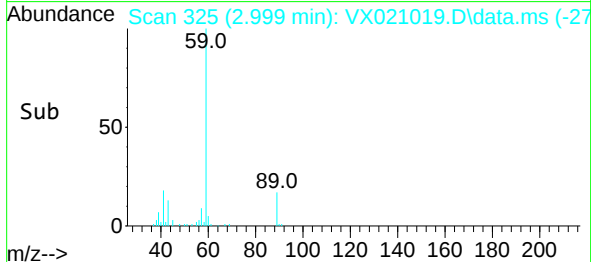
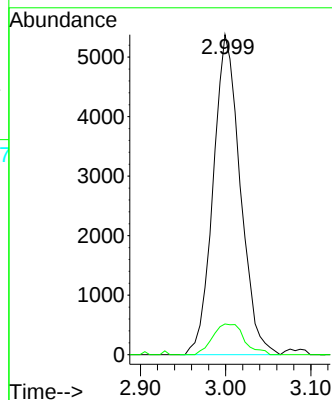
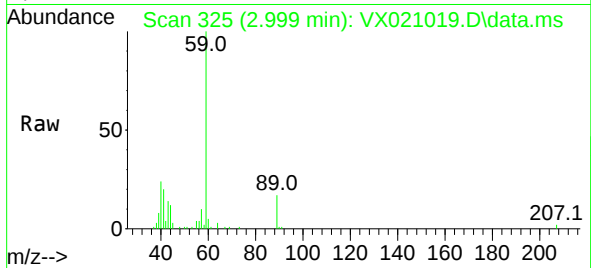




#11  
Tert butyl alcohol  
Concen: 16.62 ug/l  
RT: 2.999 min Scan# 325  
Delta R.T. -0.018 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

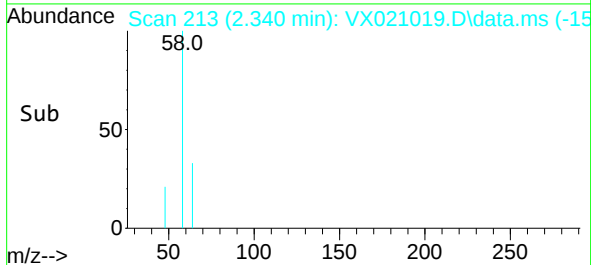
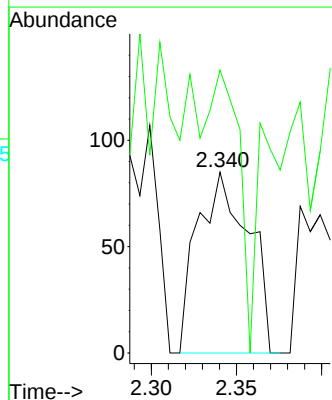
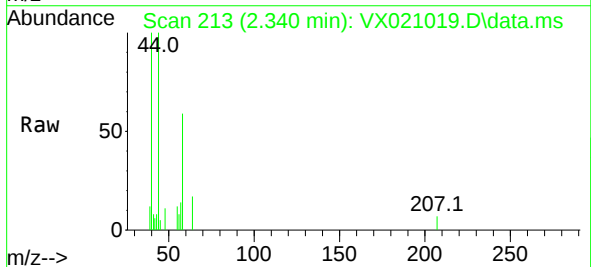
Instrument :  
MSVOA\_X  
ClientSampled :

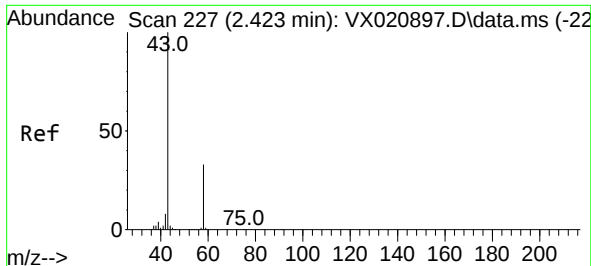
Tgt Ion: 59 Resp: 11881  
Ion Ratio Lower Upper  
59 100  
57 11.2 7.8 11.8



#13  
Acrolein  
Concen: 0.40 ug/l  
RT: 2.340 min Scan# 213  
Delta R.T. 0.065 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

Tgt Ion: 56 Resp: 178  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#

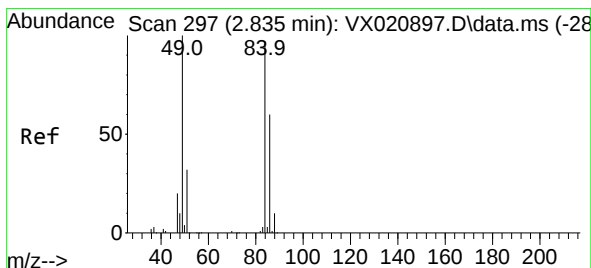
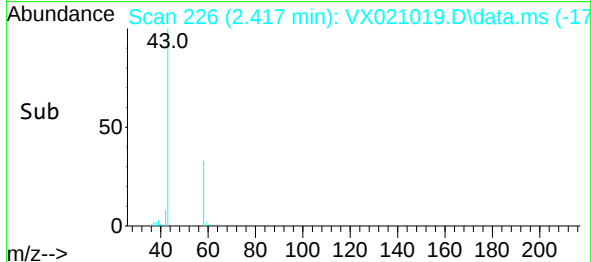
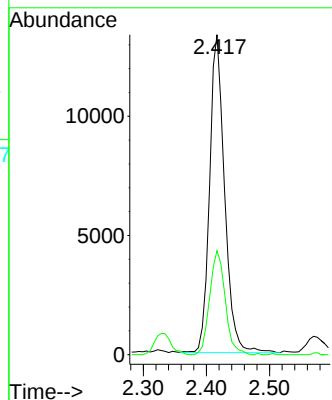
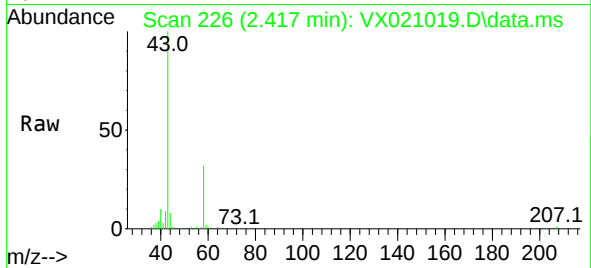




#16  
Acetone  
Concen: 16.66 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

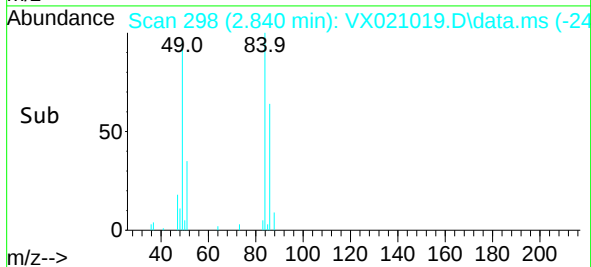
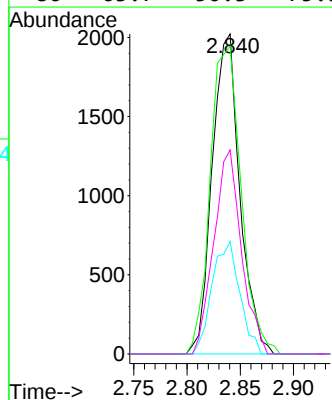
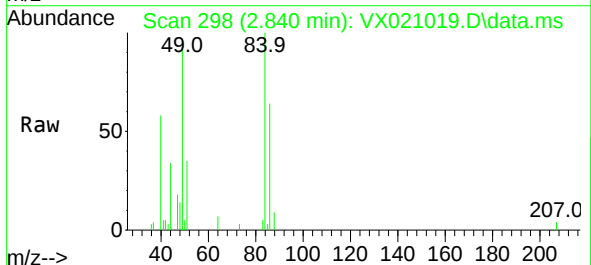
Instrument :  
MSVOA\_X  
ClientSampled :

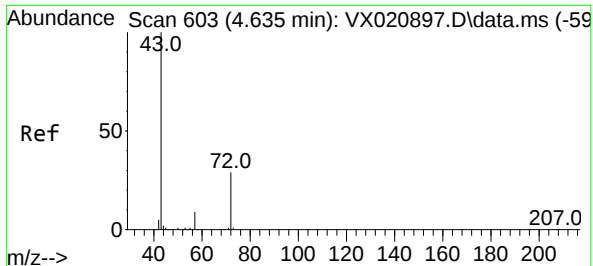
Tgt Ion: 43 Resp: 22028  
Ion Ratio Lower Upper  
43 100  
58 32.7 27.8 41.8



#20  
Methylene Chloride  
Concen: 1.15 ug/l  
RT: 2.840 min Scan# 298  
Delta R.T. 0.006 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

Tgt Ion: 84 Resp: 3649  
Ion Ratio Lower Upper  
84 100  
49 96.2 88.6 132.8  
51 35.2 27.0 40.6  
86 63.7 50.3 75.5





#25

2-Butanone

Concen: 2.71 ug/l

RT: 4.635 min Scan# 603

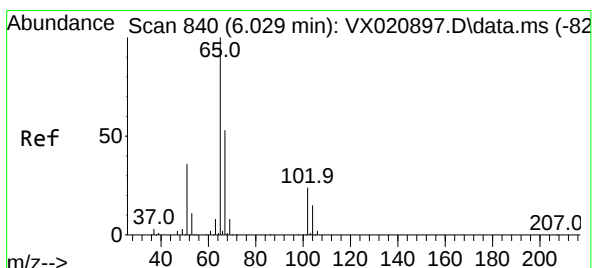
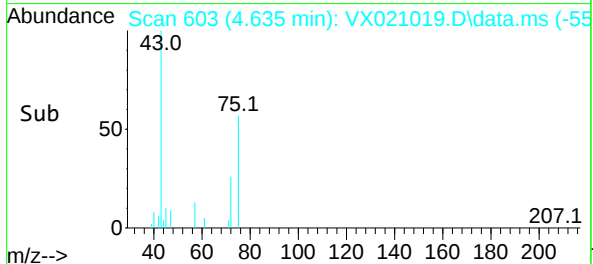
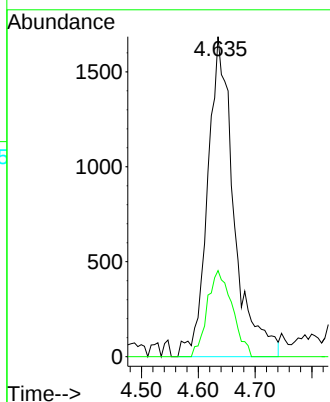
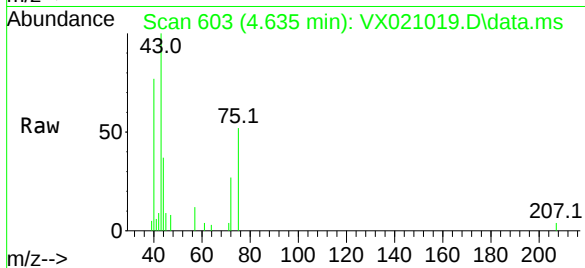
Delta R.T. -0.000 min

Lab File: VX021019.D

Acq: 04 Mar 2021 17:08

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 43 Resp: 5435  
Ion Ratio Lower Upper  
43 100  
72 26.9 23.7 35.5



#33

1,2-Dichloroethane-d4

Concen: 49.66 ug/l

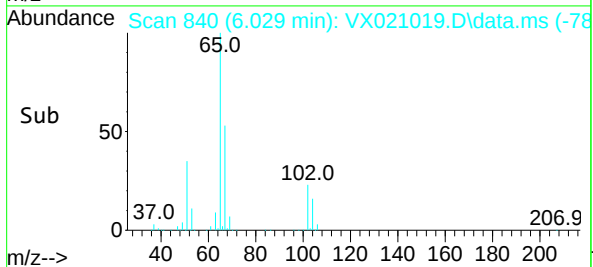
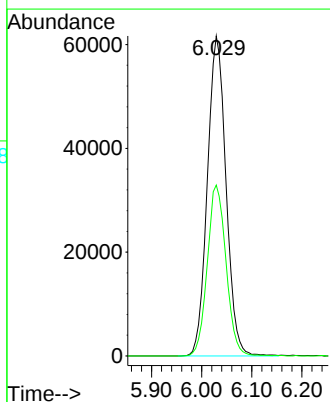
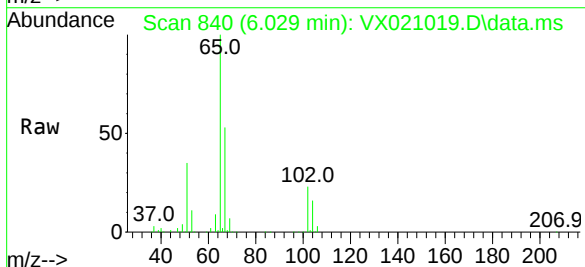
RT: 6.029 min Scan# 840

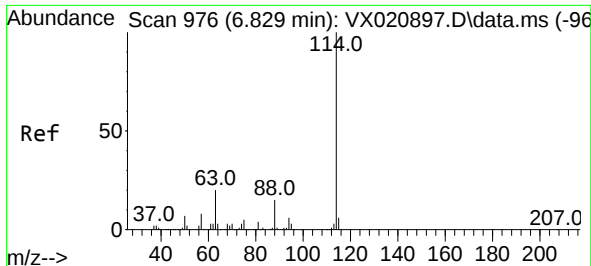
Delta R.T. -0.000 min

Lab File: VX021019.D

Acq: 04 Mar 2021 17:08

Tgt Ion: 65 Resp: 159388  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 105.4

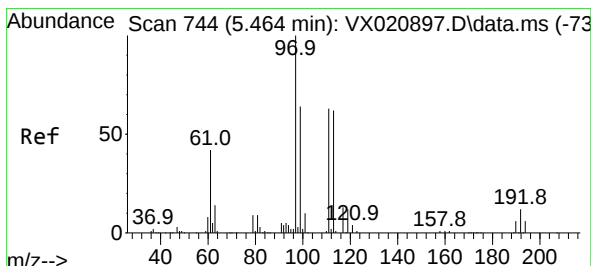
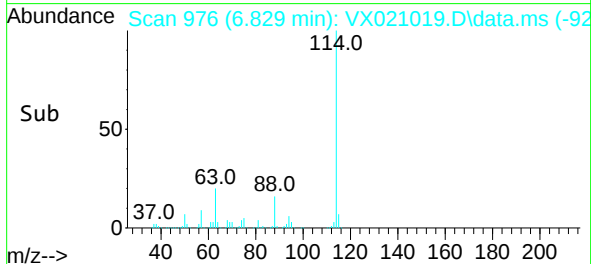
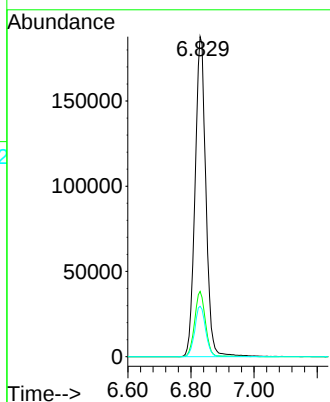
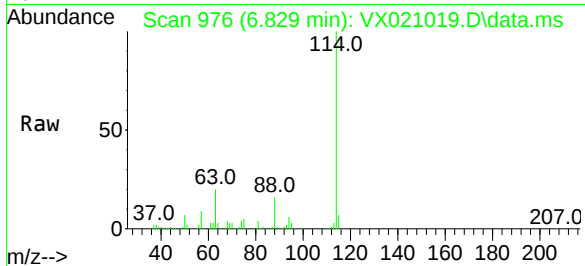




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

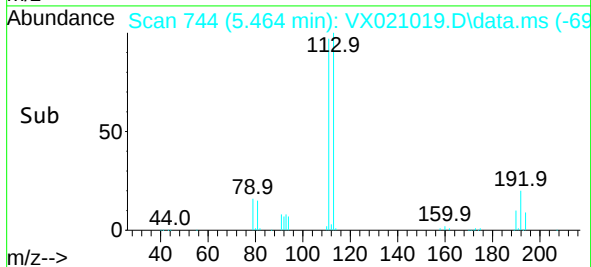
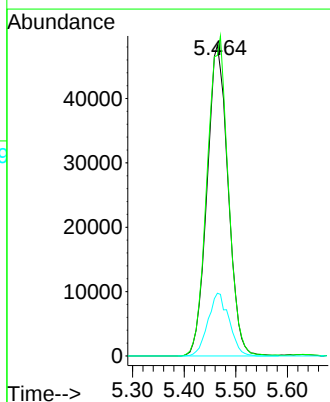
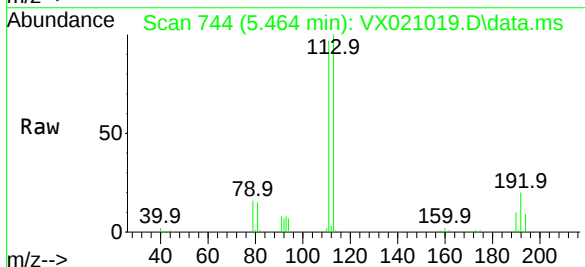
Instrument :  
MSVOA\_X  
ClientSampled :

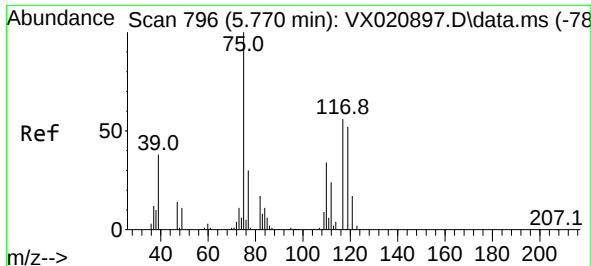
Tgt Ion:114 Resp: 445575  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 40.8  
88 15.7 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 50.48 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

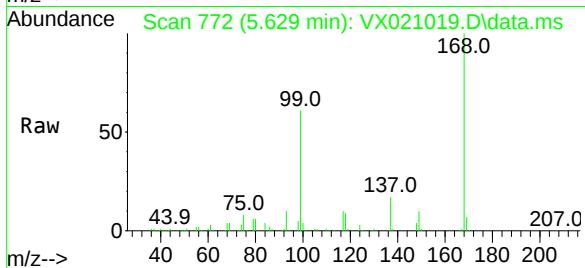
Tgt Ion:113 Resp: 136661  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.9 122.9  
192 20.3 16.7 25.1



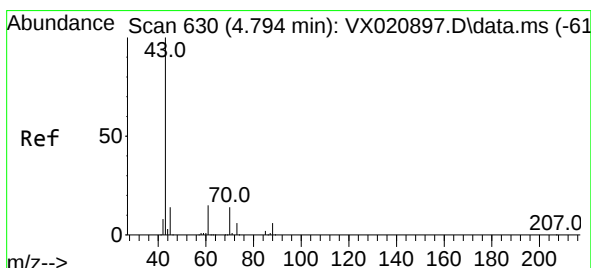
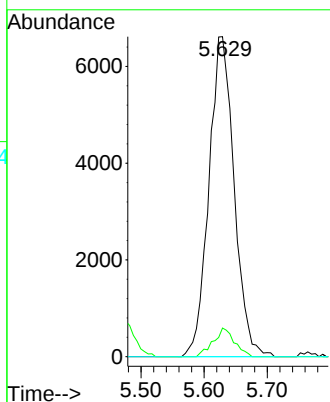
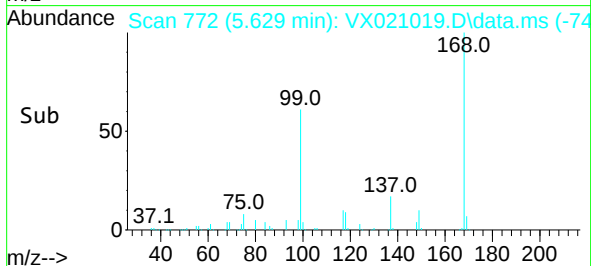


#36  
1,1-Dichloropropene  
Concen: 4.34 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.141 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

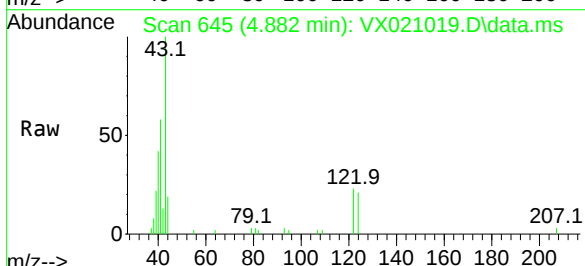
Instrument :  
MSVOA\_X  
ClientSampleId :



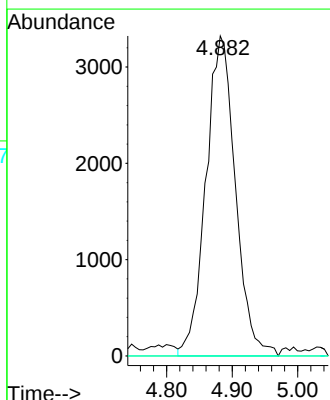
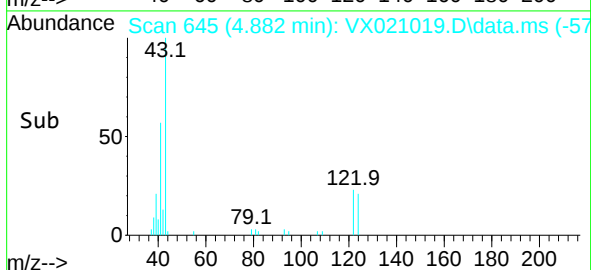
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Ion Ratio Lower Upper  
75 100  
110 7.5 18.1 54.4#  
77 0.0 25.3 37.9#

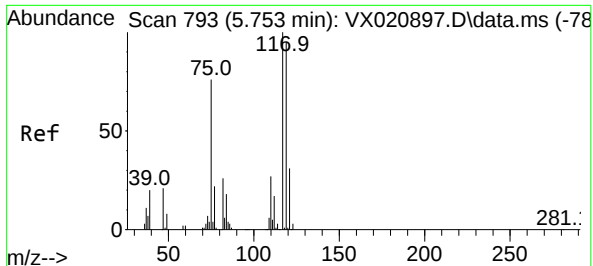


#37  
Ethyl Acetate  
Concen: 2.58 ug/l  
RT: 4.882 min Scan# 645  
Delta R.T. 0.088 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08



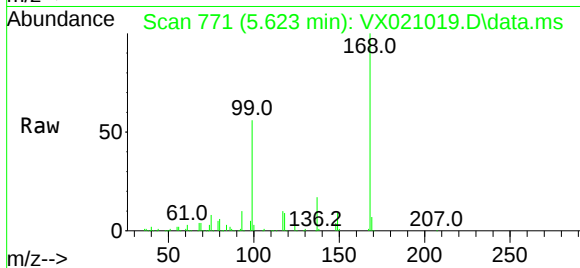
Tgt Ion: 43 Resp: 10394  
Ion Ratio Lower Upper  
43 100  
61 0.0 12.8 19.2#  
70 0.0 10.5 15.7#



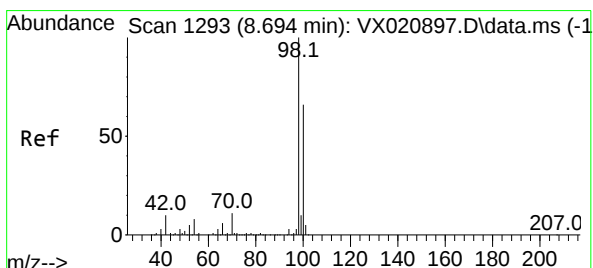
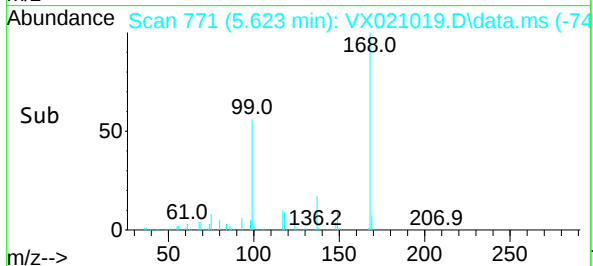
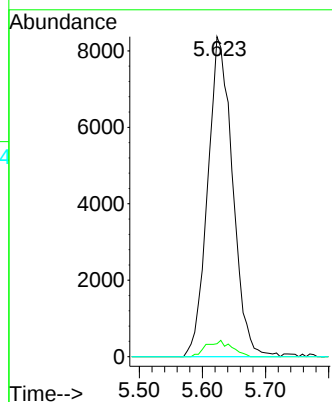


#38  
Carbon Tetrachloride  
Concen: 5.58 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.129 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

Instrument :  
MSVOA\_X  
ClientSampled :

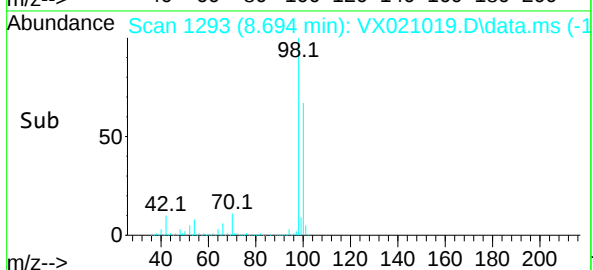
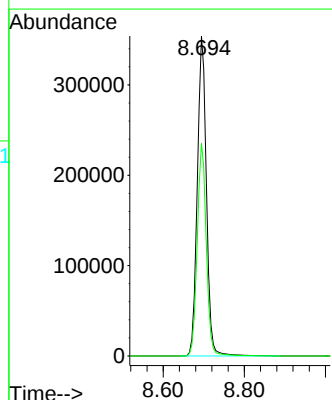
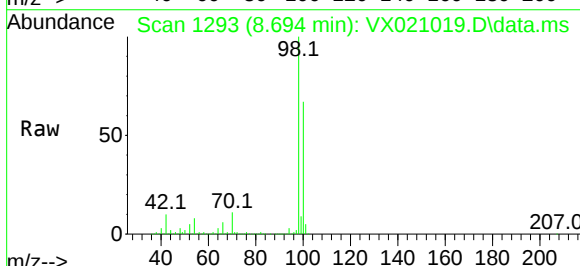


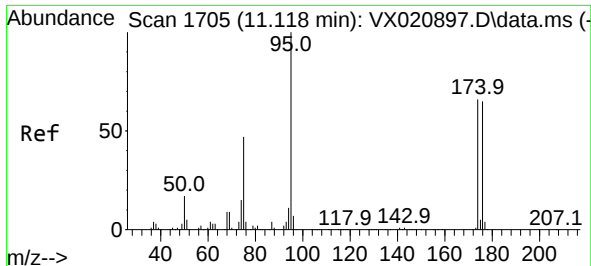
Tgt Ion: 117 Resp: 22915  
Ion Ratio Lower Upper  
117 100  
119 4.0 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 52.61 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

Tgt Ion: 98 Resp: 555344  
Ion Ratio Lower Upper  
98 100  
100 66.3 51.9 77.9

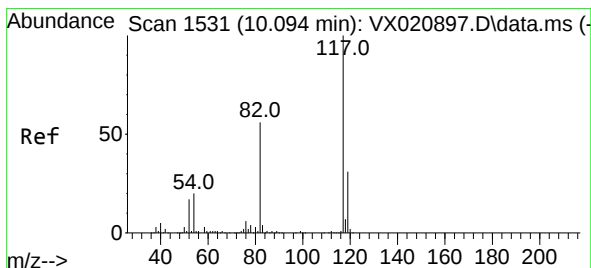
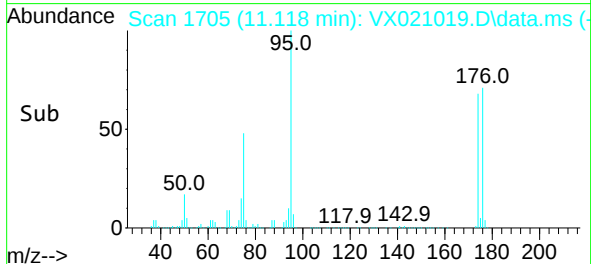
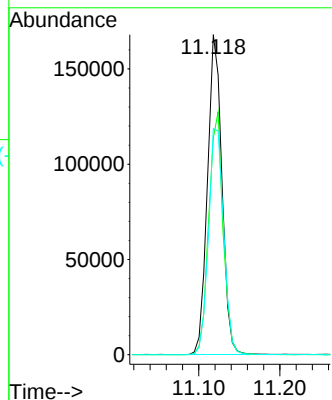
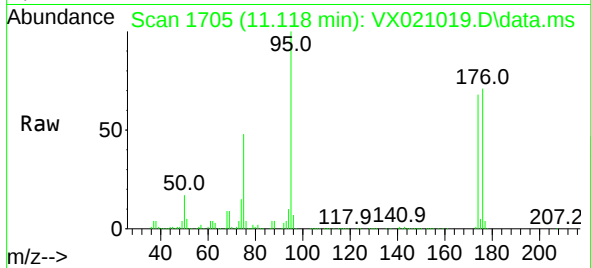




#62  
4-Bromofluorobenzene  
Concen: 53.01 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

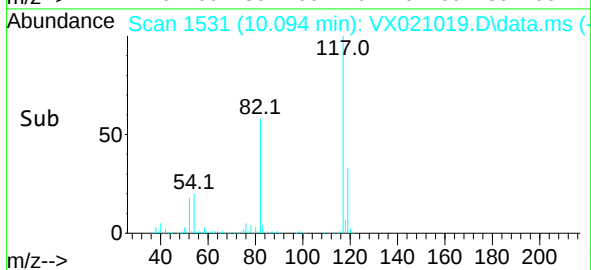
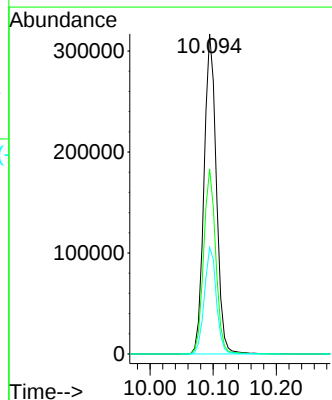
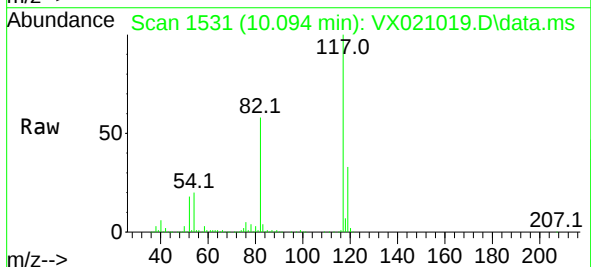
Instrument :  
MSVOA\_X  
ClientSampleId :

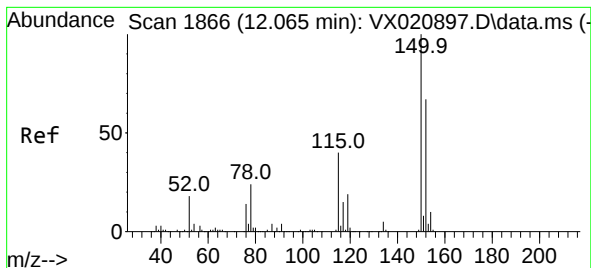
Tgt Ion: 95 Resp: 206910  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 154.6  
176 74.7 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

Tgt Ion: 117 Resp: 428890  
Ion Ratio Lower Upper  
117 100  
82 57.8 47.4 71.2  
119 33.3 26.6 39.8

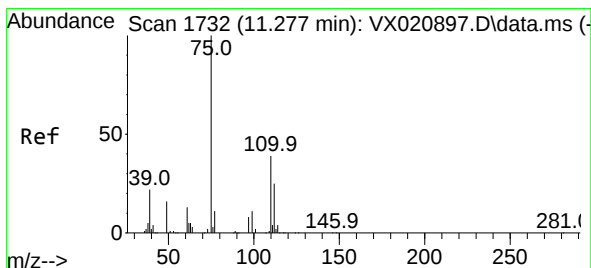
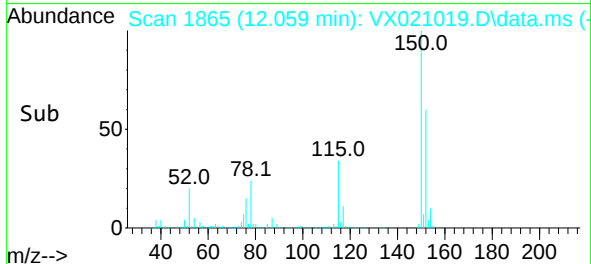
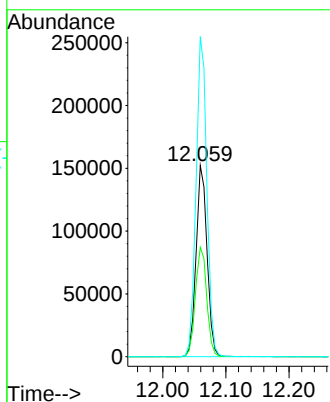
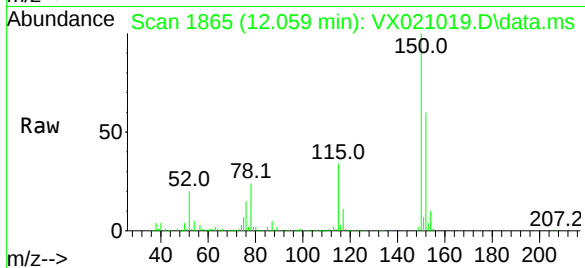




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. -0.006 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

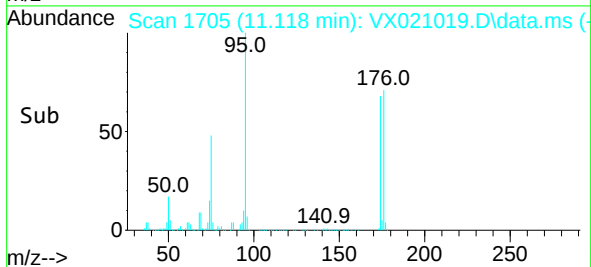
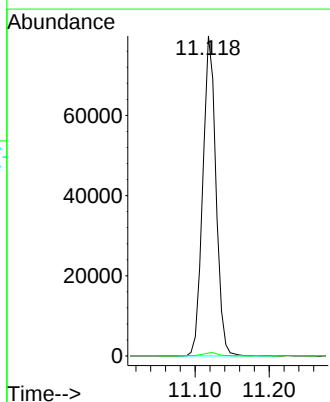
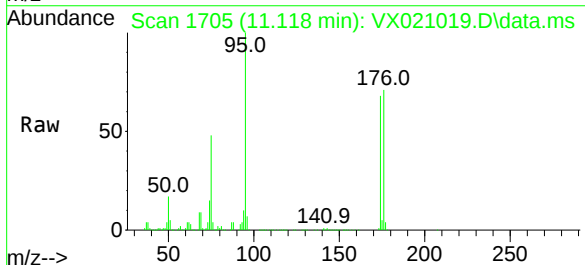
Instrument :  
MSVOA\_X  
ClientSampleId :

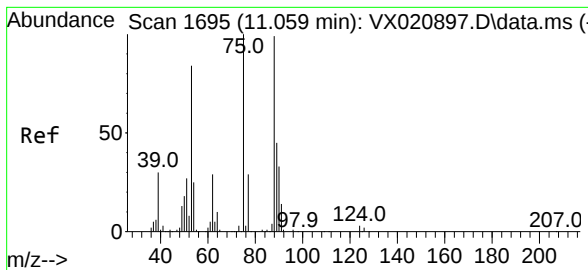
Tgt Ion:152 Resp: 183414  
Ion Ratio Lower Upper  
152 100  
115 59.0 41.1 123.3  
150 164.8 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 25.01 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021019.D  
Acq: 04 Mar 2021 17:08

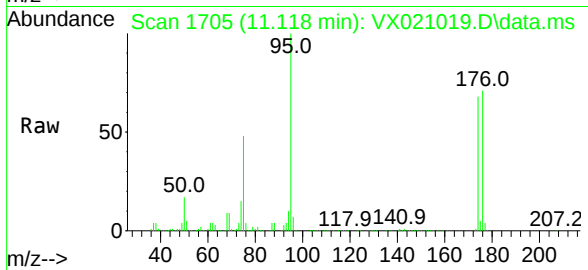
Tgt Ion: 75 Resp: 98699  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 55.38 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. 0.059 min  
 Lab File: VX021019.D  
 Acq: 04 Mar 2021 17:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 98699  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 74.5 111.7#  
 89 0.0 37.9 56.9#

