

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042321\  
 Data File : VX021859.D  
 Acq On : 23 Apr 2021 21:41  
 Operator : JC/MD  
 Sample : M2176-20  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Apr 26 04:08:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042021W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 20 13:46:22 2021  
 Response via : Initial Calibration

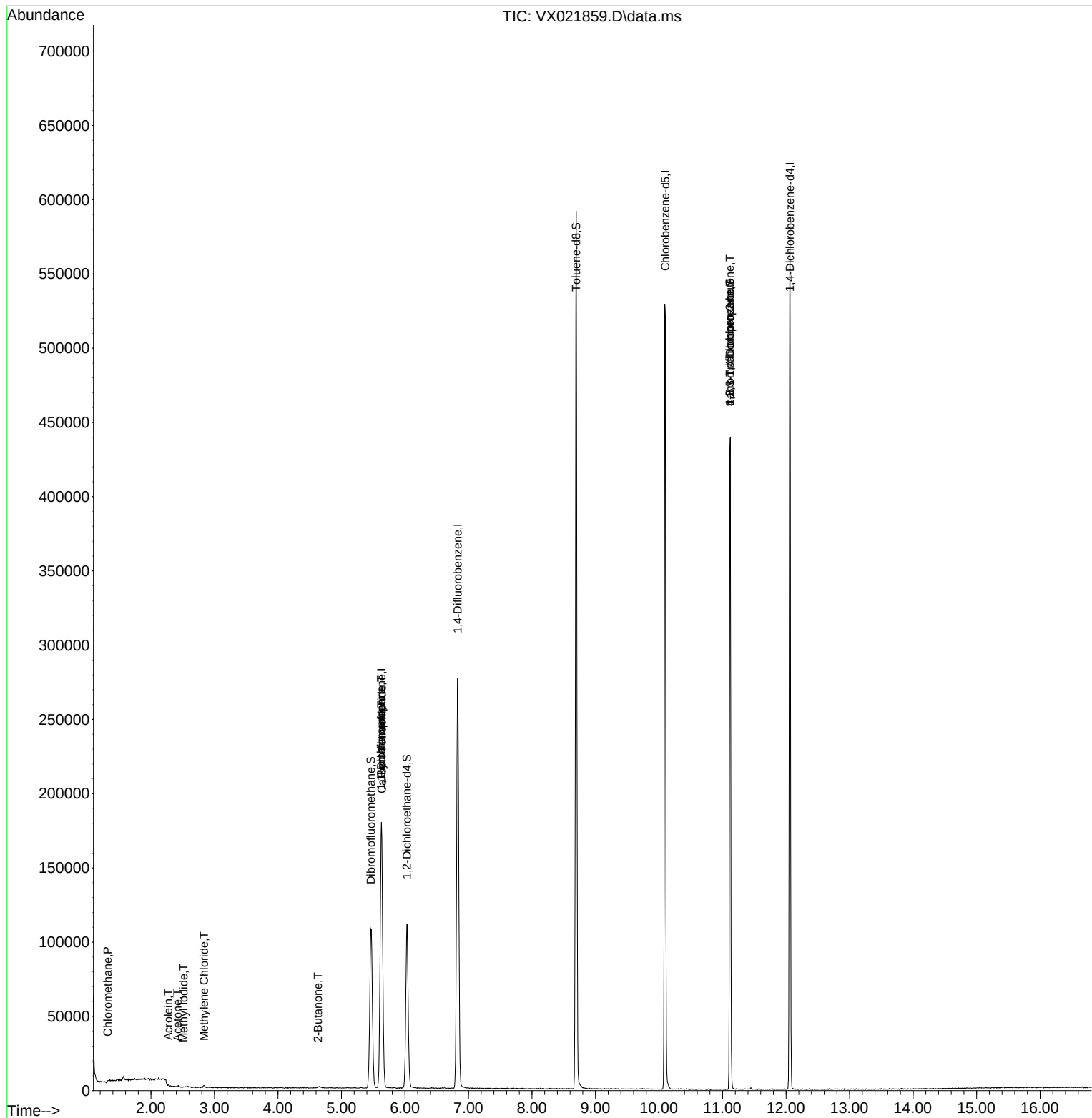
| Compound                      | R.T.   | QIon           | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|--------|----------|
| -----                         |        |                |          |       |        |          |
| Internal Standards            |        |                |          |       |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168            | 182309   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.830  | 114            | 305131   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.098 | 117            | 273431   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061 | 152            | 130018   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.031  | 65             | 100398   | 48.54 | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =     | 97.08% |          |
| 35) Dibromofluoromethane      | 5.464  | 113            | 96137    | 49.27 | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =     | 98.54% |          |
| 50) Toluene-d8                | 8.696  | 98             | 359849   | 47.96 | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =     | 95.92% |          |
| 62) 4-Bromofluorobenzene      | 11.116 | 95             | 125564   | 44.81 | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =     | 89.62% |          |
| Target Compounds              |        |                |          |       |        |          |
|                               |        |                |          |       |        | Qvalue   |
| 3) Chloromethane              | 1.319  | 50             | 671      | 0.59  | ug/l   | 96       |
| 10) Methyl Iodide             | 2.514  | 142            | 20       | 8.16  | ug/l # | 42       |
| 13) Acrolein                  | 2.270  | 56             | 207      | 0.57  | ug/l # | 14       |
| 16) Acetone                   | 2.416  | 43             | 693      | 0.97  | ug/l # | 69       |
| 20) Methylene Chloride        | 2.837  | 84             | 694      | 0.33  | ug/l # | 84       |
| 25) 2-Butanone                | 4.629  | 43             | 273      | 0.23  | ug/l # | 45       |
| 31) Cyclohexane               | 5.629  | 56             | 3004     | 1.03  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.623  | 75             | 11775    | 4.37  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.635  | 117            | 16488    | 5.59  | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 11.116 | 75             | 56488    | 21.91 | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.116 | 75             | 56488    | 50.38 | ug/l # | 12       |
| -----                         |        |                |          |       |        |          |

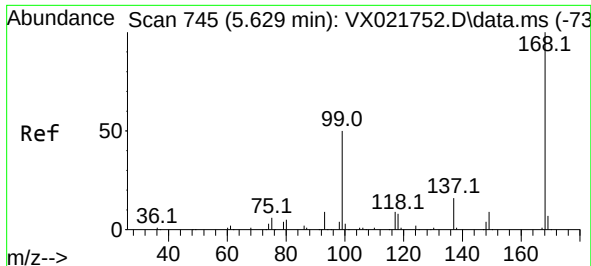
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2176-20  
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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

Quant Time: Apr 26 04:08:37 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042021W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 20 13:46:22 2021  
Response via : Initial Calibration

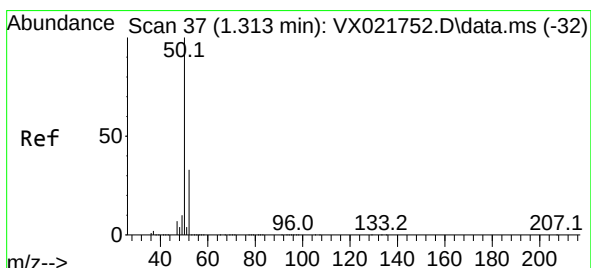
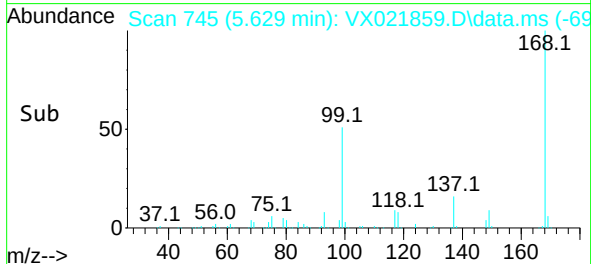
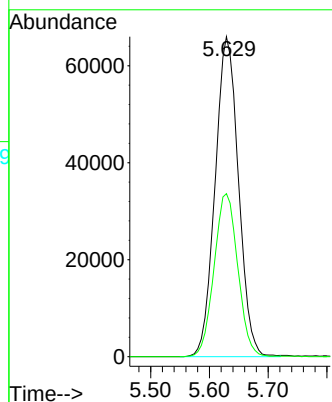
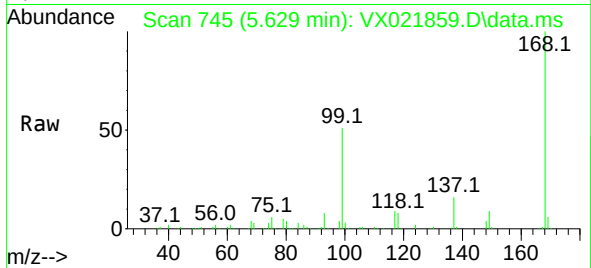




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

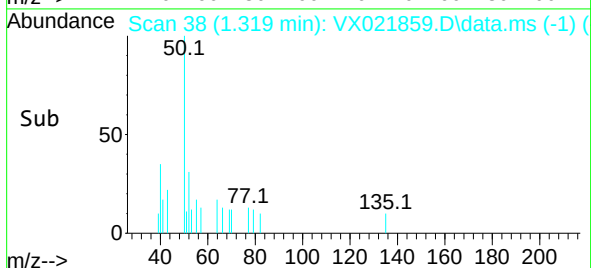
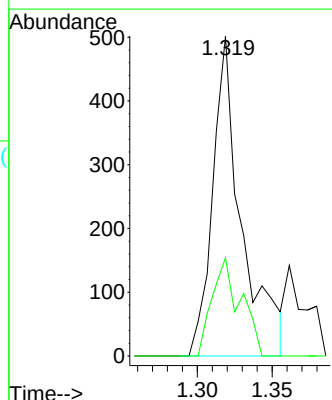
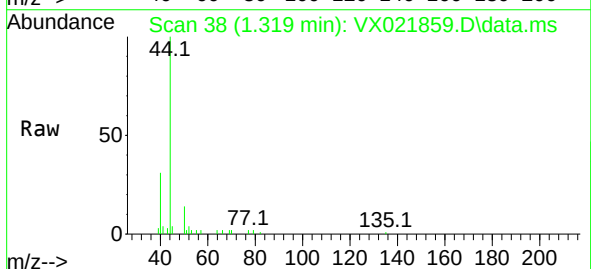
Instrument :  
MSVOA\_X  
ClientSampleId :  
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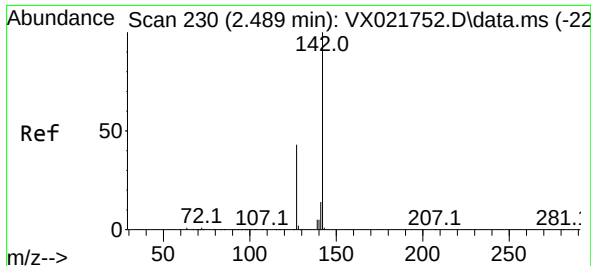
Tgt Ion:168 Resp: 182309  
Ion Ratio Lower Upper  
168 100  
99 51.0 45.8 68.6



#3  
Chloromethane  
Concen: 0.59 ug/l  
RT: 1.319 min Scan# 38  
Delta R.T. 0.006 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

Tgt Ion: 50 Resp: 671  
Ion Ratio Lower Upper  
50 100  
52 30.7 26.4 39.6

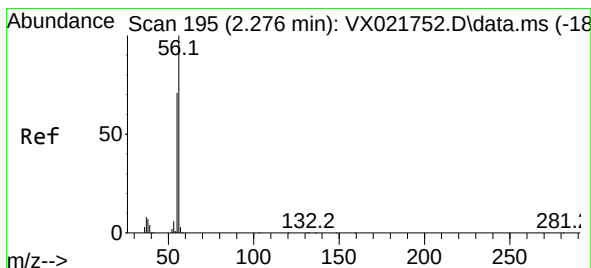
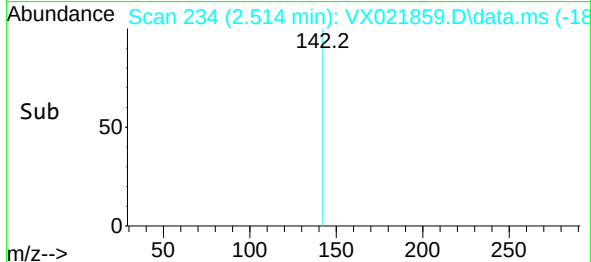
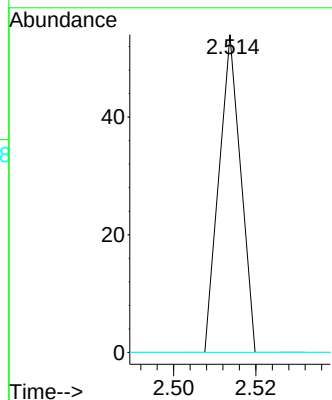
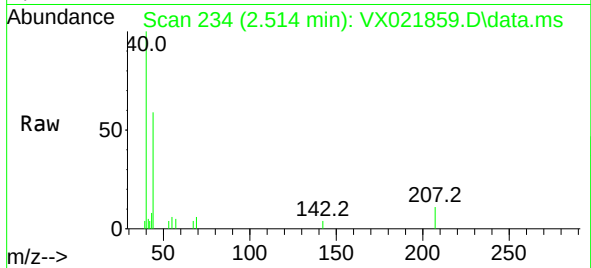




#10  
Methyl Iodide  
Concen: 8.16 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.025 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

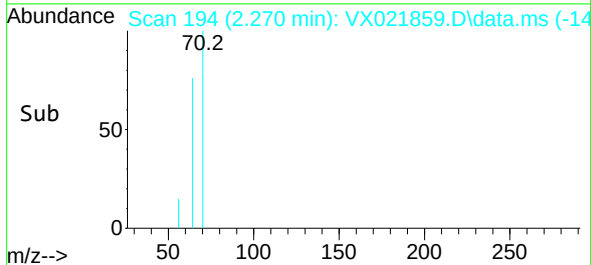
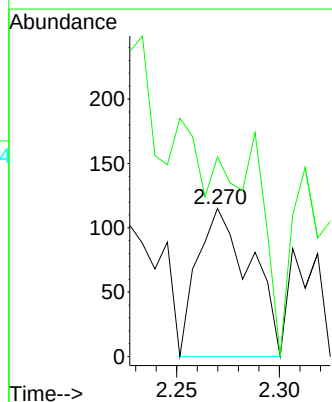
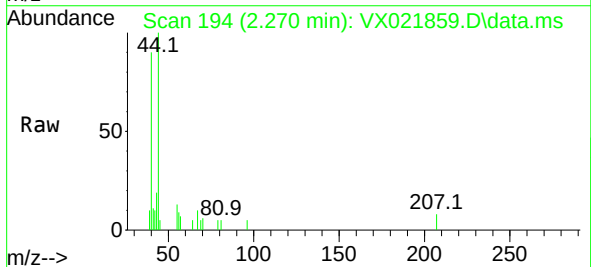
Instrument :  
MSVOA\_X  
ClientSampleId :  
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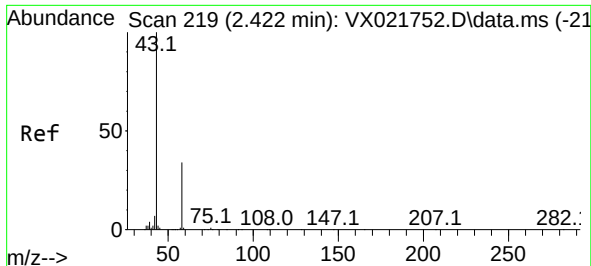
Tgt Ion:142 Resp: 20  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.3 49.9#  
141 0.0 11.4 17.0#



#13  
Acrolein  
Concen: 0.57 ug/l  
RT: 2.270 min Scan# 194  
Delta R.T. -0.006 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

Tgt Ion: 56 Resp: 207  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#

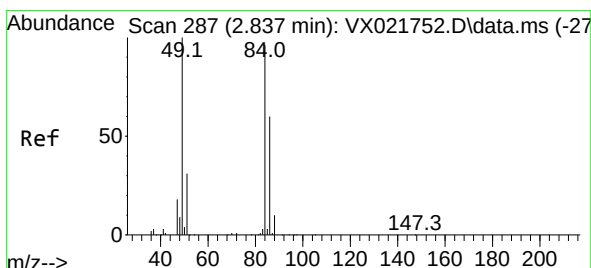
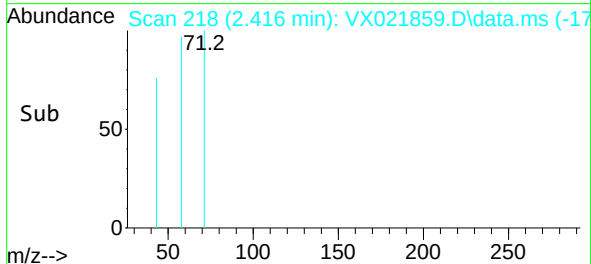
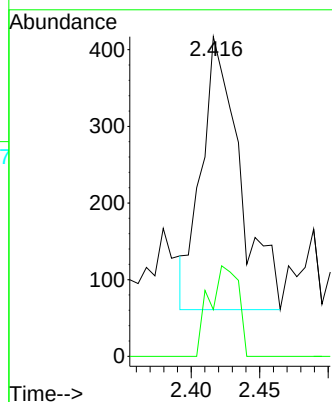
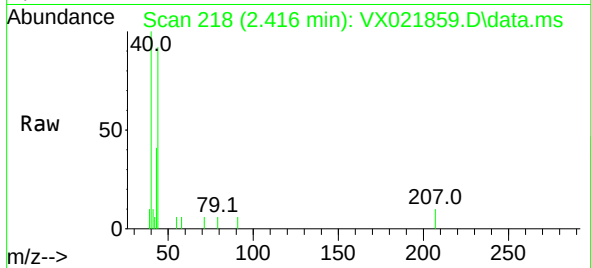




#16  
Acetone  
Concen: 0.97 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. -0.006 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

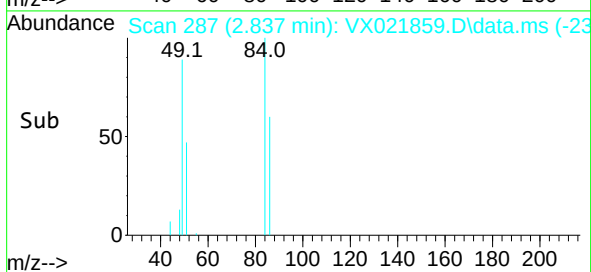
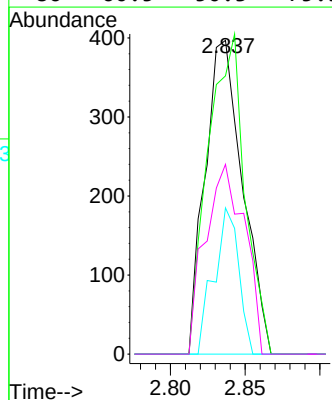
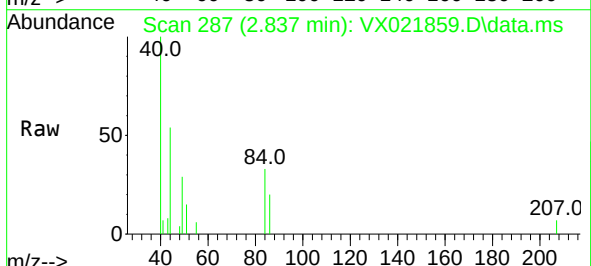
Instrument :  
MSVOA\_X  
ClientSampleId :  
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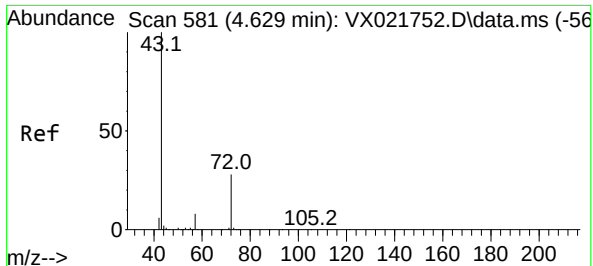
Tgt Ion: 43 Resp: 693  
Ion Ratio Lower Upper  
43 100  
58 17.1 27.8 41.8#



#20  
Methylene Chloride  
Concen: 0.33 ug/l  
RT: 2.837 min Scan# 287  
Delta R.T. -0.000 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

Tgt Ion: 84 Resp: 694  
Ion Ratio Lower Upper  
84 100  
49 88.7 88.6 132.8  
51 46.6 27.0 40.6#  
86 60.5 50.3 75.5

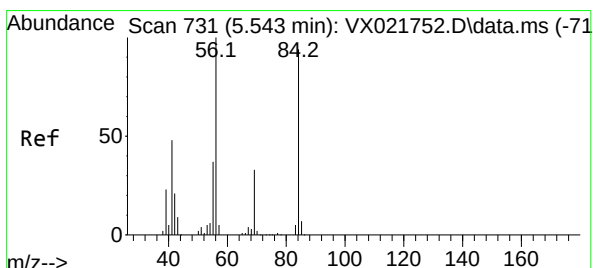
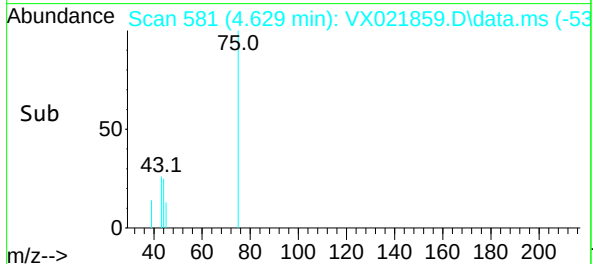
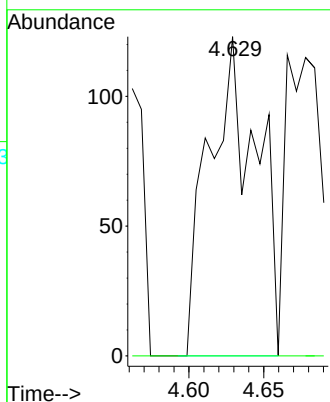
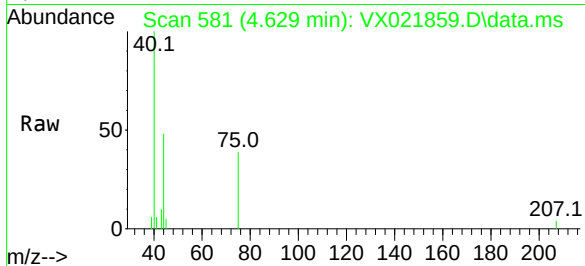




#25  
2-Butanone  
Concen: 0.23 ug/l  
RT: 4.629 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

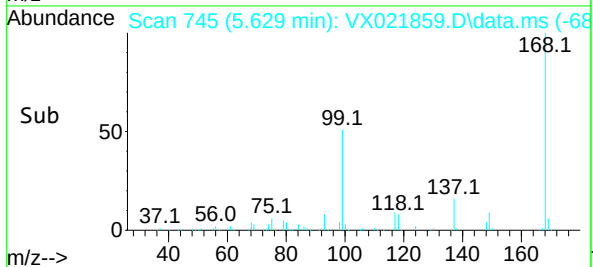
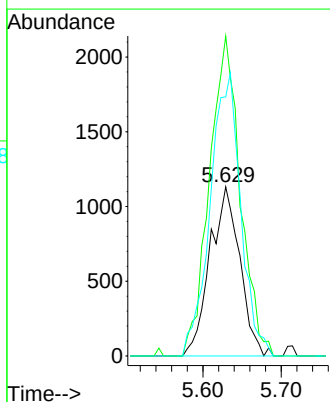
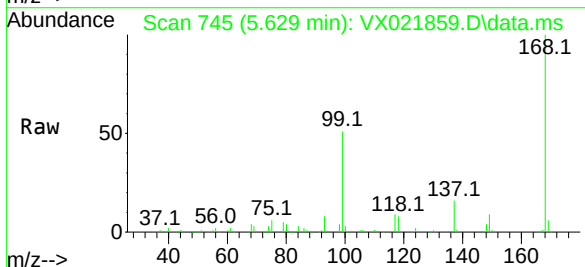
Instrument :  
MSVOA\_X  
ClientSampleId :  
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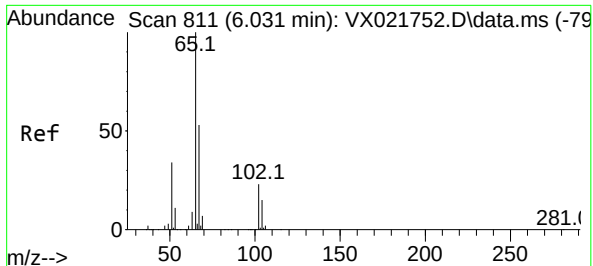
Tgt Ion: 43 Resp: 273  
Ion Ratio Lower Upper  
43 100  
72 0.0 23.7 35.5#



#31  
Cyclohexane  
Concen: 1.03 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.086 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

Tgt Ion: 56 Resp: 3004  
Ion Ratio Lower Upper  
56 100  
69 189.1 25.3 37.9#  
84 153.1 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.54 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX021859.D

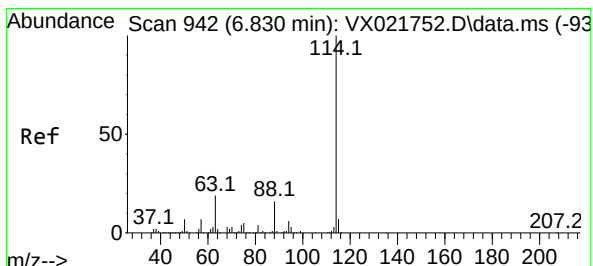
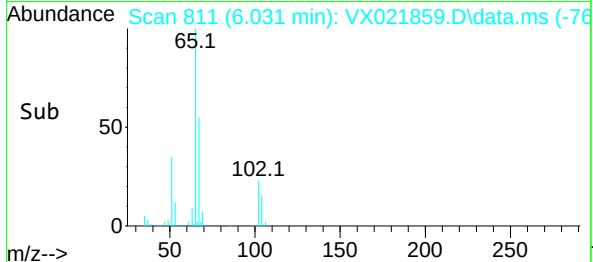
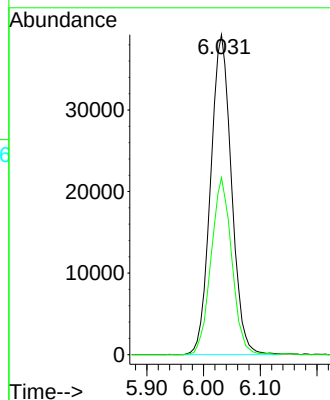
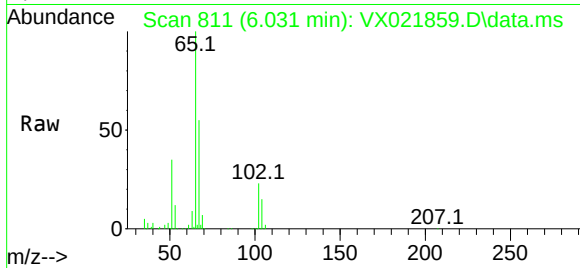
Acq: 23 Apr 2021 21:41

Tgt Ion: 65 Resp: 100398

Ion Ratio Lower Upper

65 100

67 54.8 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

Lab File: VX021859.D

Acq: 23 Apr 2021 21:41

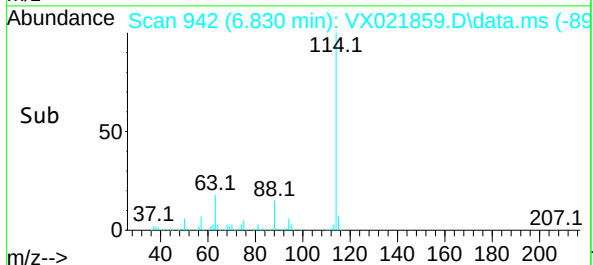
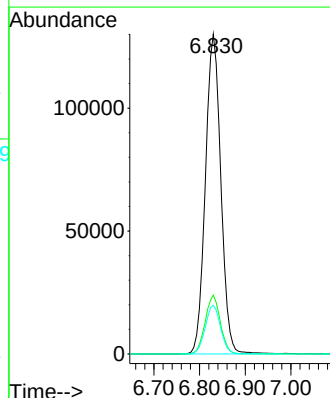
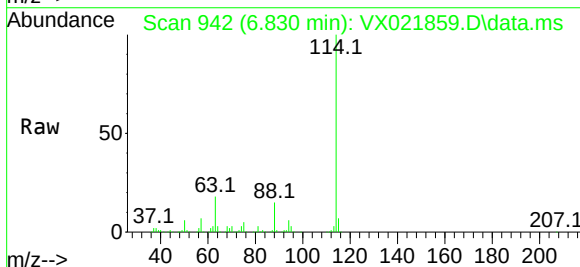
Tgt Ion: 114 Resp: 305131

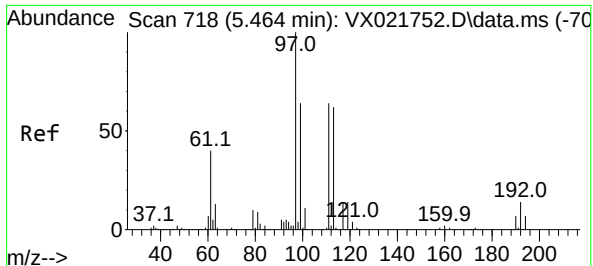
Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.8

88 15.2 0.0 32.8

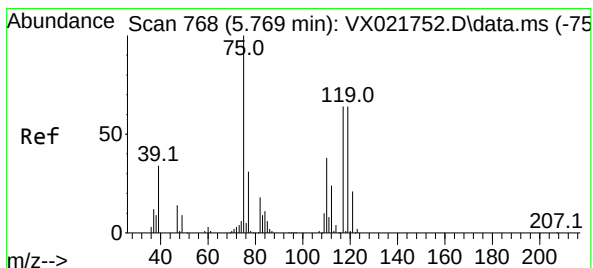
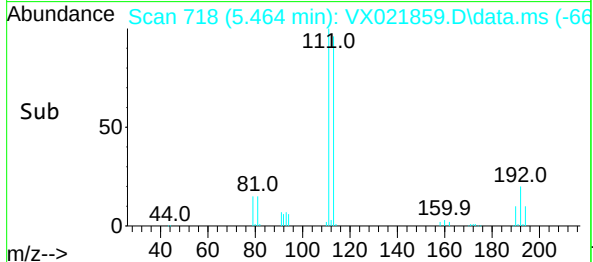
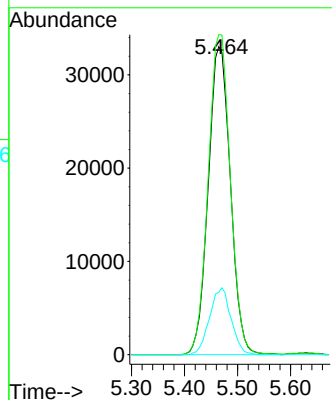
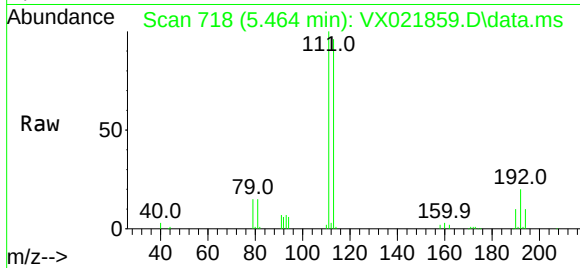




#35  
Dibromofluoromethane  
Concen: 49.27 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

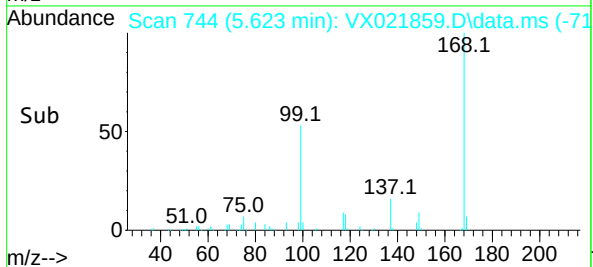
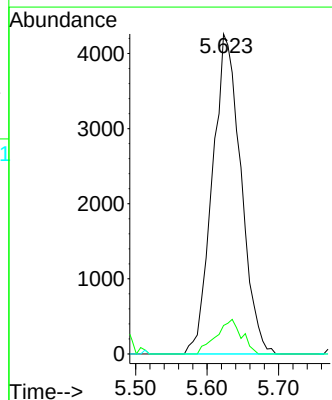
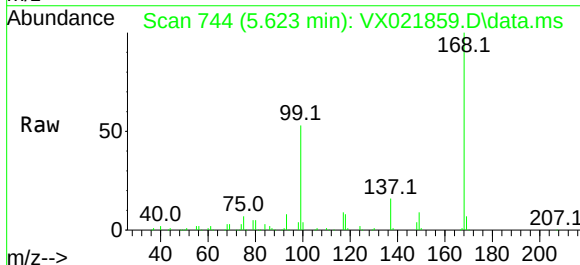
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MSVOA\_X  
ClientSampleId :  
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Tgt Ion:113 Resp: 96137  
Ion Ratio Lower Upper  
113 100  
111 104.0 81.9 122.9  
192 20.9 16.7 25.1

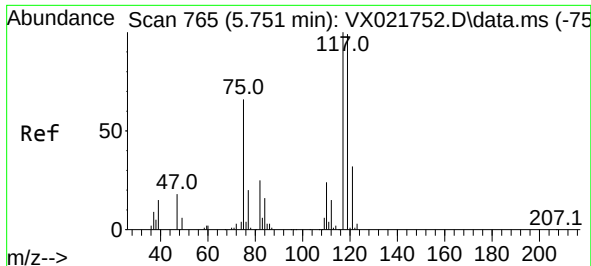


#36  
1,1-Dichloropropene  
Concen: 4.37 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.146 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

Tgt Ion: 75 Resp: 11775  
Ion Ratio Lower Upper  
75 100  
110 9.7 18.1 54.4#  
77 0.0 25.3 37.9#

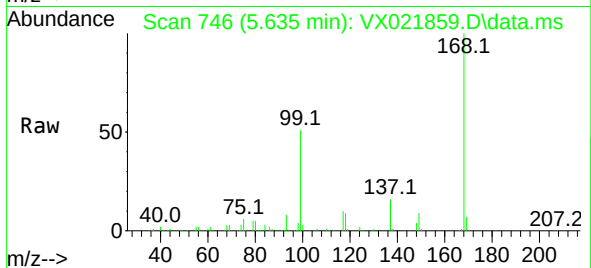




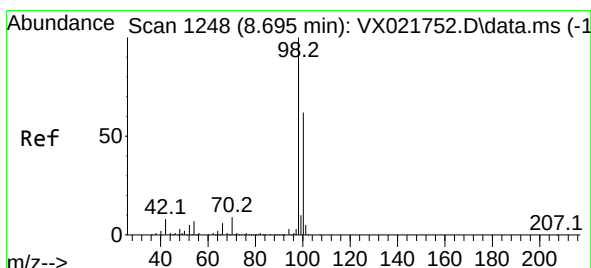
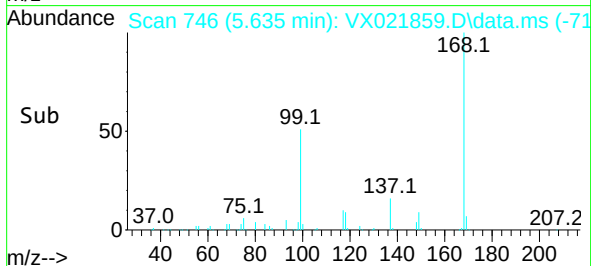
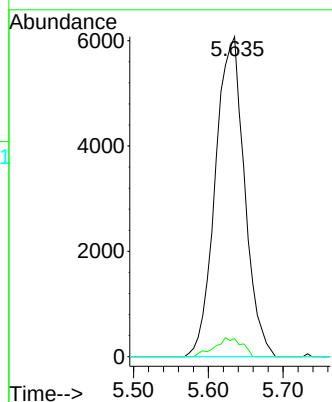


#38  
Carbon Tetrachloride  
Concen: 5.59 ug/l  
RT: 5.635 min Scan# 746  
Delta R.T. -0.116 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

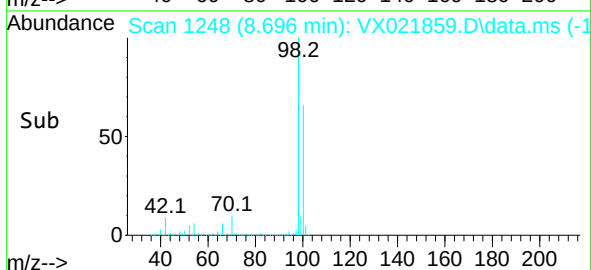
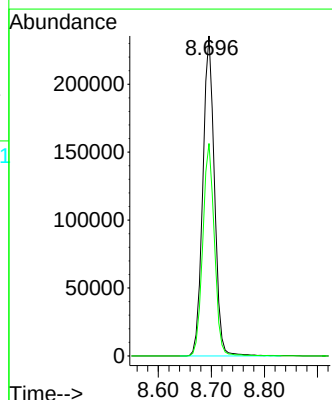
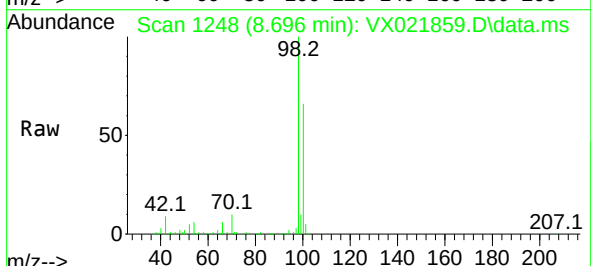


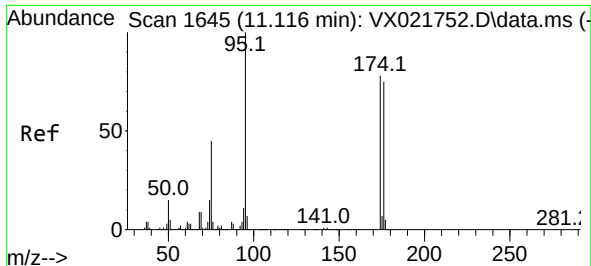
Tgt Ion: 117 Resp: 16488  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 47.96 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.001 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

Tgt Ion: 98 Resp: 359849  
Ion Ratio Lower Upper  
98 100  
100 66.3 51.9 77.9

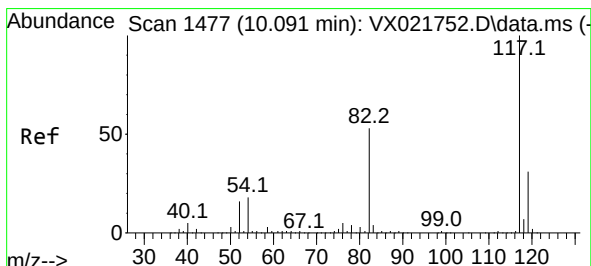
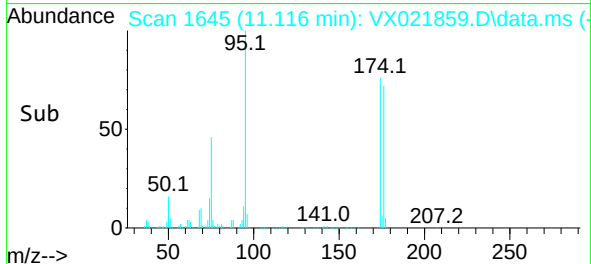
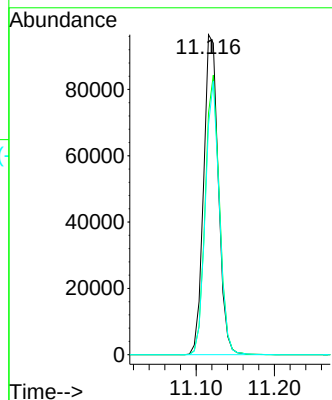
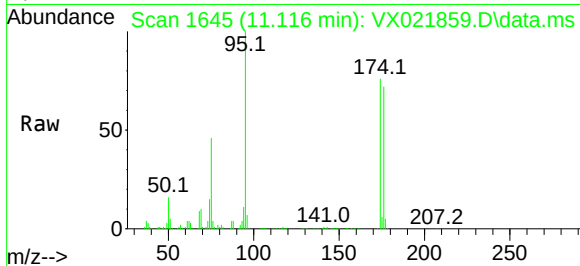




#62  
4-Bromofluorobenzene  
Concen: 44.81 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. -0.000 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

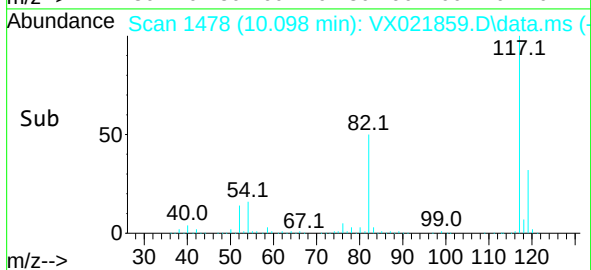
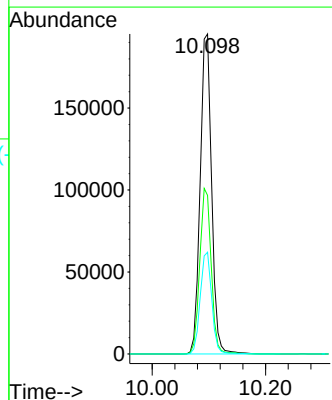
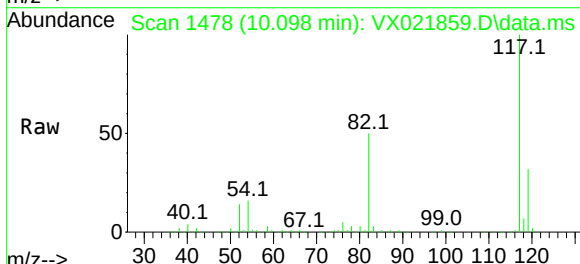
Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

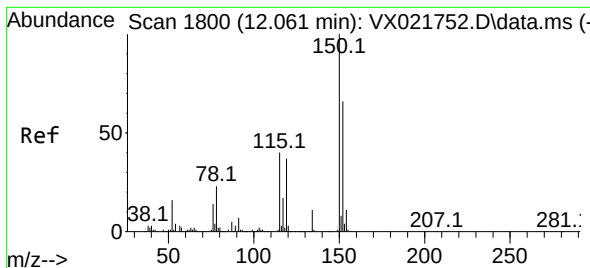
Tgt Ion: 95 Resp: 125564  
Ion Ratio Lower Upper  
95 100  
174 84.1 0.0 154.6  
176 81.4 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.098 min Scan# 1478  
Delta R.T. 0.007 min  
Lab File: VX021859.D  
Acq: 23 Apr 2021 21:41

Tgt Ion: 117 Resp: 273431  
Ion Ratio Lower Upper  
117 100  
82 49.6 47.4 71.2  
119 31.8 26.6 39.8

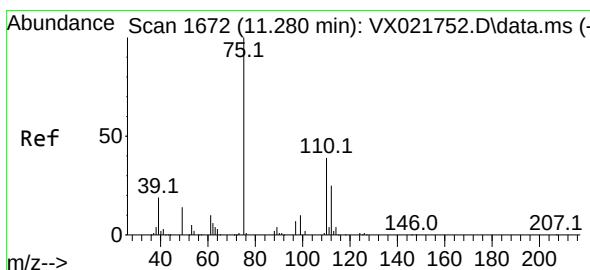
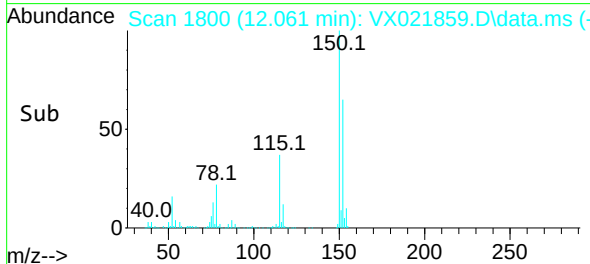
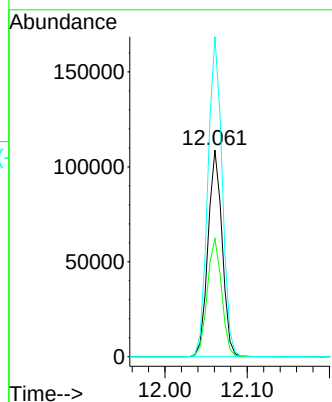
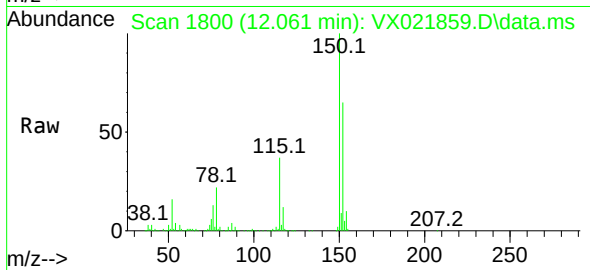




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.061 min Scan# 1800  
 Delta R.T. -0.000 min  
 Lab File: VX021859.D  
 Acq: 23 Apr 2021 21:41

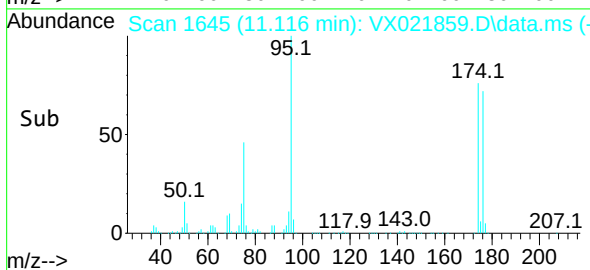
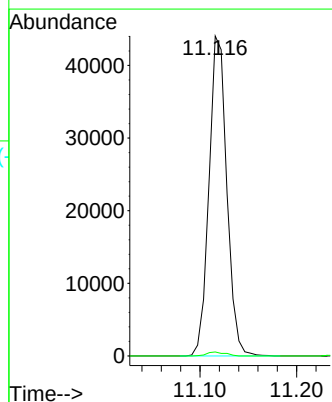
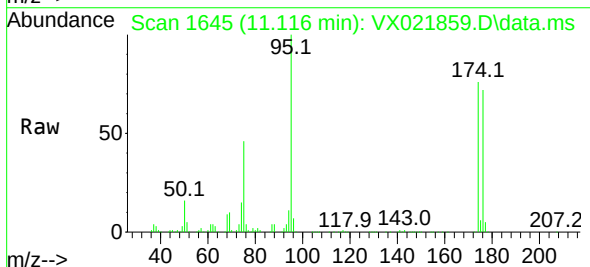
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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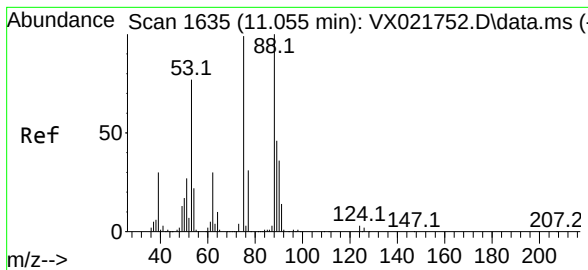
Tgt Ion:152 Resp: 130018  
 Ion Ratio Lower Upper  
 152 100  
 115 57.9 41.1 123.3  
 150 156.7 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 21.91 ug/l  
 RT: 11.116 min Scan# 1645  
 Delta R.T. -0.164 min  
 Lab File: VX021859.D  
 Acq: 23 Apr 2021 21:41

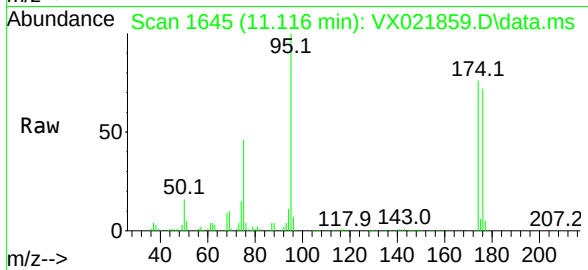
Tgt Ion: 75 Resp: 56488  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 50.38 ug/l  
 RT: 11.116 min Scan# 1645  
 Delta R.T. 0.061 min  
 Lab File: VX021859.D  
 Acq: 23 Apr 2021 21:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRIP-BLANK



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 74.5  | 111.7# |
| 89      | 0.0   | 37.9  | 56.9#  |

