

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032121\  
 Data File : VX021330.D  
 Acq On : 20 Mar 2021 06:39  
 Operator : JC/MD  
 Sample : M1735-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE132D5-20210315

Quant Time: Mar 20 07:56:56 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

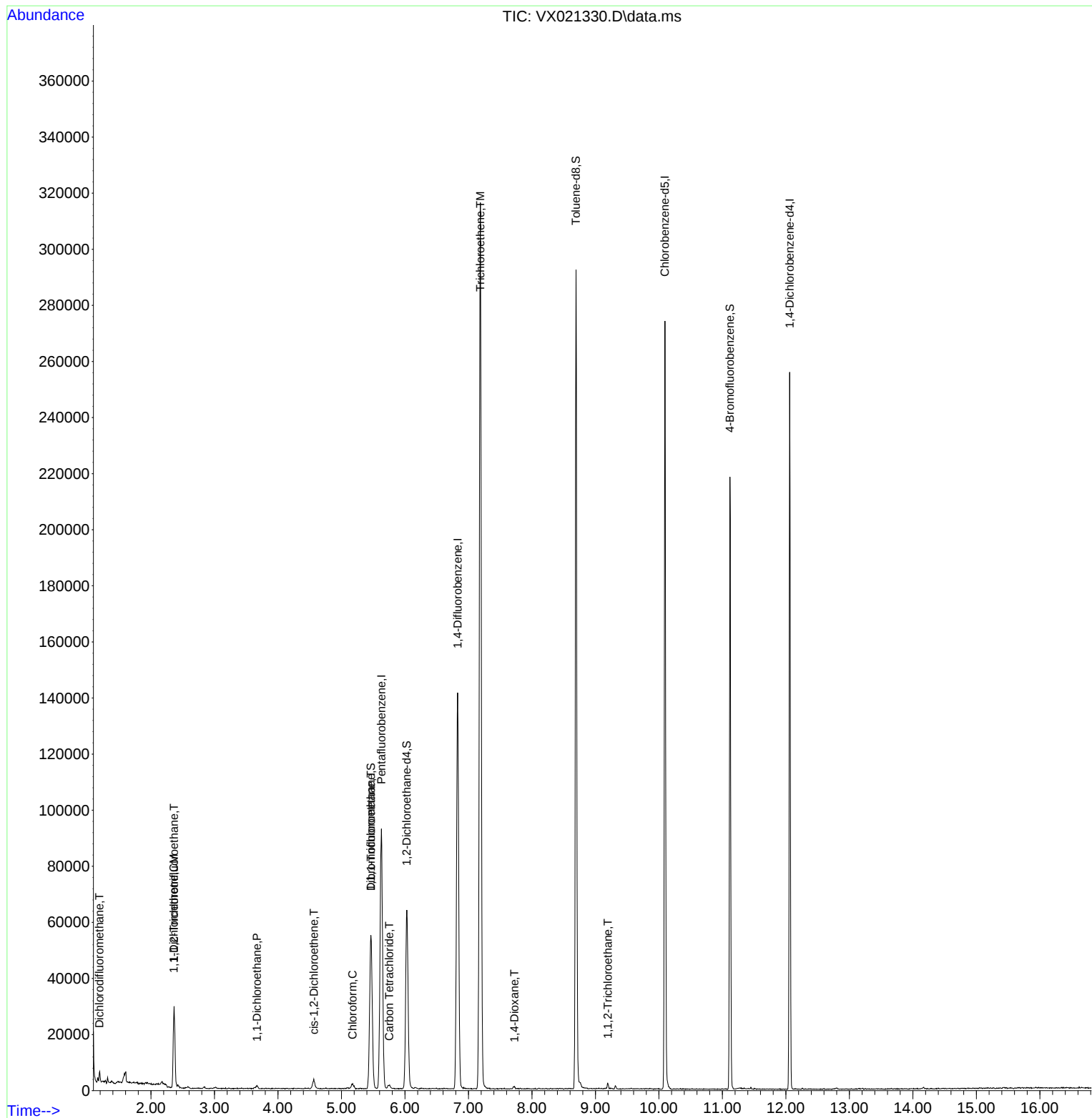
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.629  | 168   | 77859    | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.829  | 114   | 132631   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094 | 117   | 112619   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.059 | 152   | 46045    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.029  | 65    | 63897    | 50.04    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 100.08%  |
| 35) Dibromofluoromethane     | 5.464  | 113   | 45097    | 49.97    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 99.94%   |
| 50) Toluene-d8               | 8.694  | 98    | 161199   | 49.23    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 98.46%   |
| 62) 4-Bromofluorobenzene     | 11.118 | 95    | 55707    | 43.81    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 87.62%   |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.187  | 85    | 1184     | 1.27     | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 2.364  | 101   | 9359     | 11.50    | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 2.358  | 96    | 1794     | 2.26     | ug/l   | 84       |
| 24) 1,1-Dichloroethane       | 3.670  | 63    | 1267     | 0.75     | ug/l # | 90       |
| 27) cis-1,2-Dichloroethene   | 4.564  | 96    | 1713     | 1.68     | ug/l   | 97       |
| 30) Chloroform               | 5.176  | 83    | 1793     | 1.01     | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.464  | 97    | 569      | 0.36     | ug/l # | 50       |
| 38) Carbon Tetrachloride     | 5.752  | 117   | 984      | 0.71     | ug/l   | 89       |
| 44) Trichloroethene          | 7.188  | 130   | 110101   | 112.55   | ug/l   | 93       |
| 49) 1,4-Dioxane              | 7.723  | 88    | 538      | 12.40    | ug/l # | 69       |
| 55) 1,1,2-Trichloroethane    | 9.194  | 97    | 468      | 0.50     | ug/l # | 91       |
| -----                        |        |       |          |          |        |          |

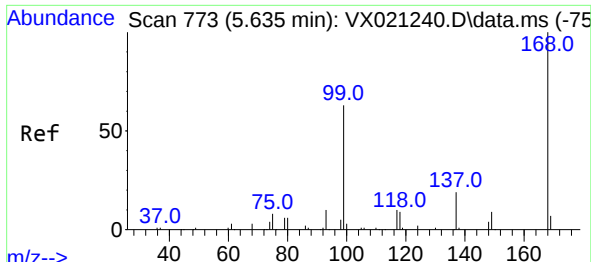
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032121\  
Data File : VX021330.D  
Acq On : 20 Mar 2021 06:39  
Operator : JC/MD  
Sample : M1735-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20210315

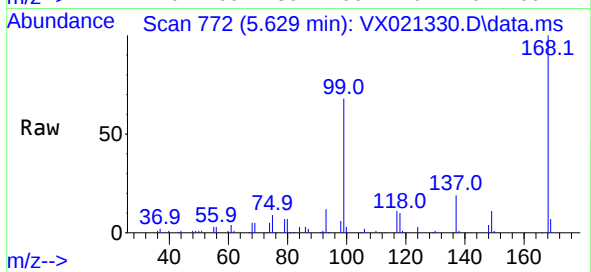
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration



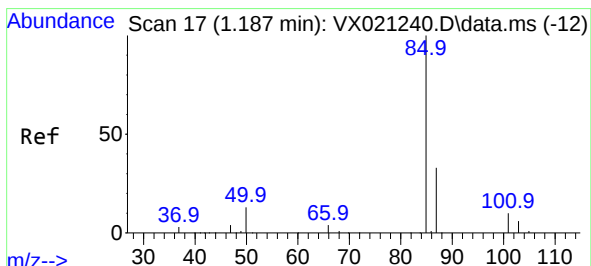
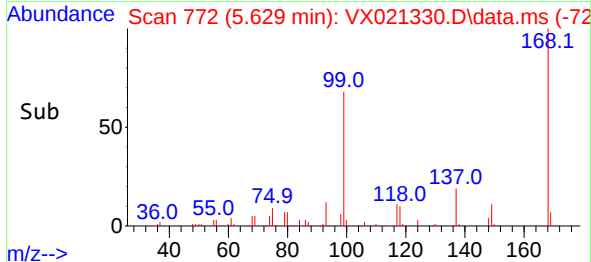
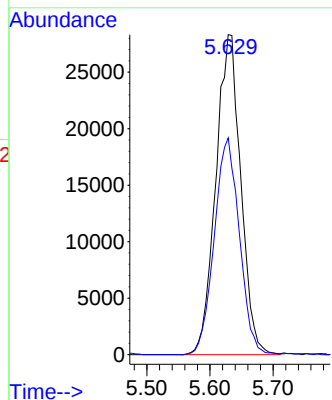


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20210315

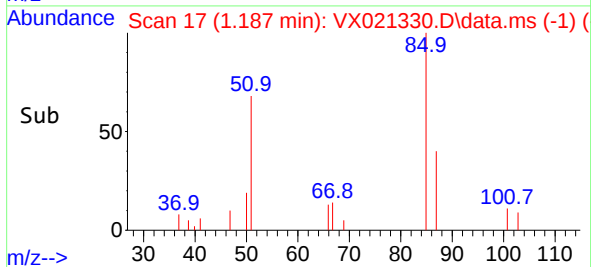
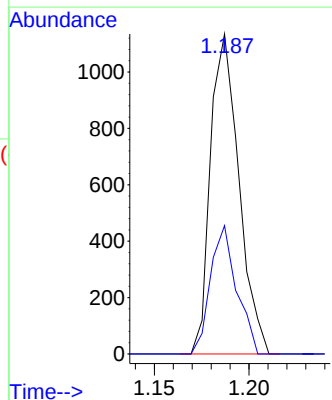
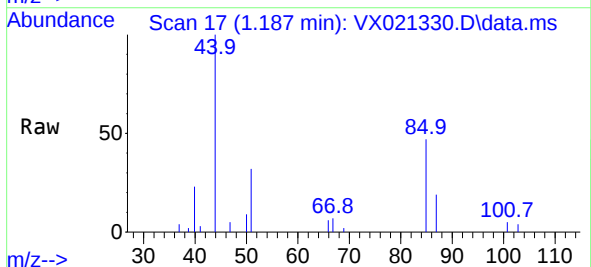


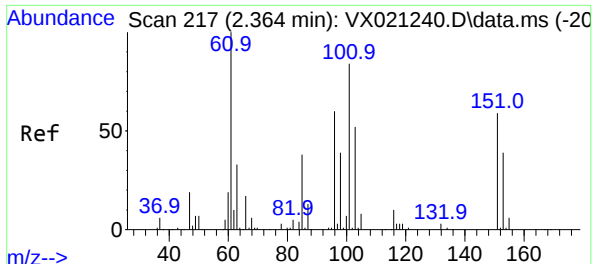
Tgt Ion:168 Resp: 77859  
Ion Ratio Lower Upper  
168 100  
99 67.8 45.8 68.6



#2  
Dichlorodifluoromethane  
Concen: 1.27 ug/l  
RT: 1.187 min Scan# 17  
Delta R.T. 0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Tgt Ion: 85 Resp: 1184  
Ion Ratio Lower Upper  
85 100  
87 40.1 16.4 49.2

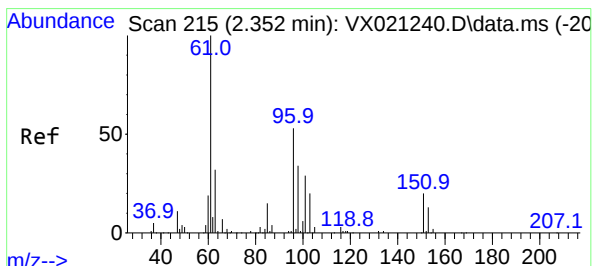
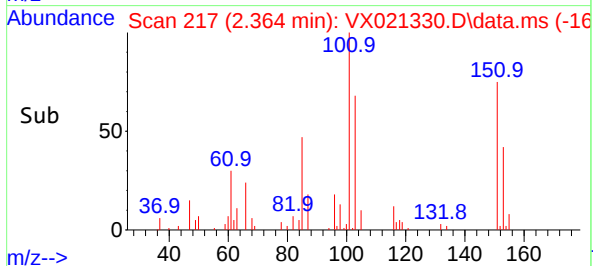
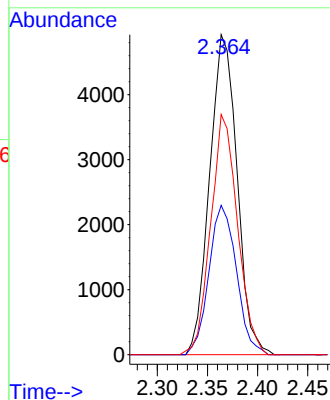
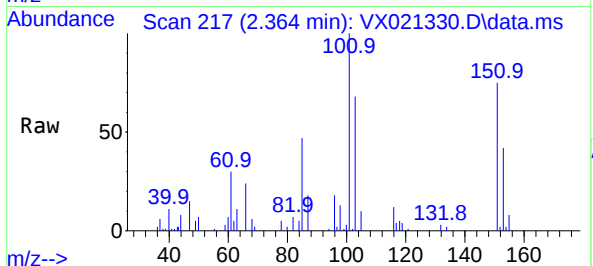




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 11.50 ug/l  
RT: 2.364 min Scan# 217  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

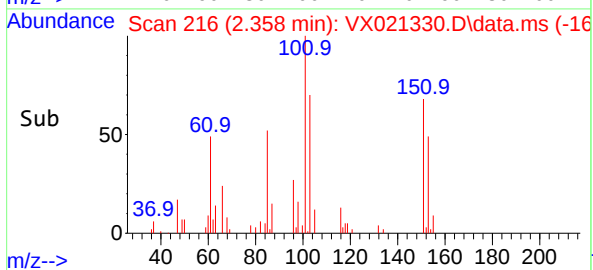
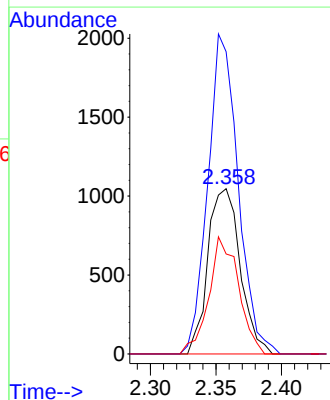
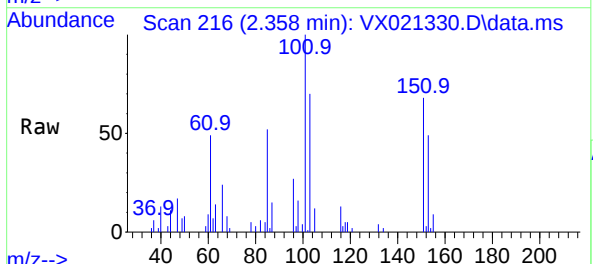
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20210315

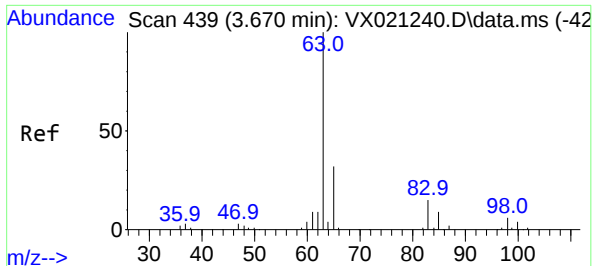
Tgt Ion:101 Resp: 9359  
Ion Ratio Lower Upper  
101 100  
85 46.8 34.9 52.3  
151 73.5 61.4 92.2



#12  
1,1-Dichloroethene  
Concen: 2.26 ug/l  
RT: 2.358 min Scan# 216  
Delta R.T. 0.006 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Tgt Ion: 96 Resp: 1794  
Ion Ratio Lower Upper  
96 100  
61 182.9 124.6 187.0  
98 60.5 50.6 76.0

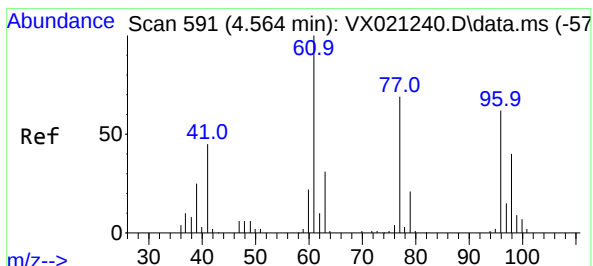
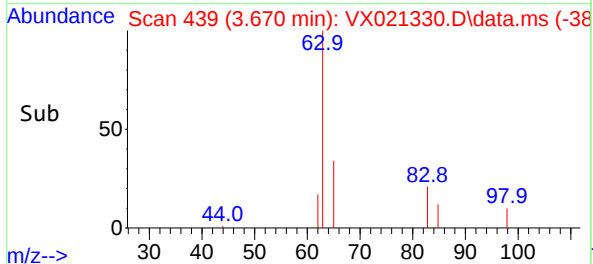
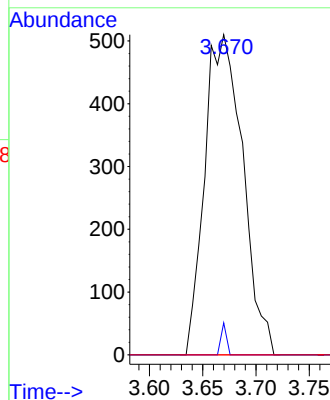
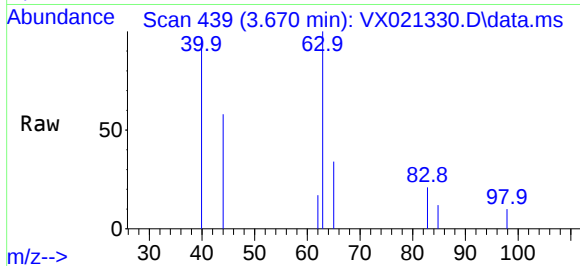




#24  
1,1-Dichloroethane  
Concen: 0.75 ug/l  
RT: 3.670 min Scan# 439  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

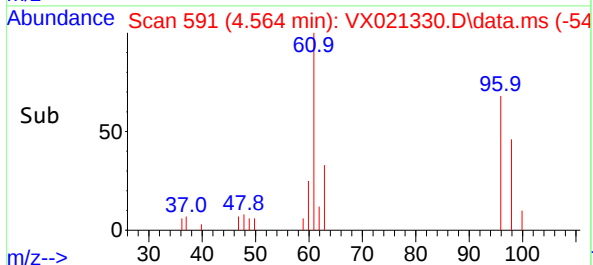
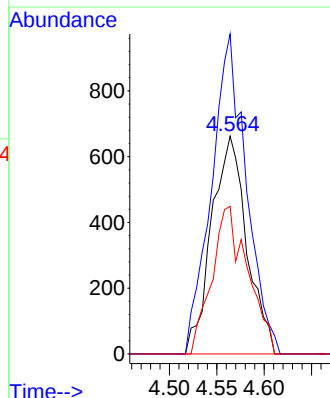
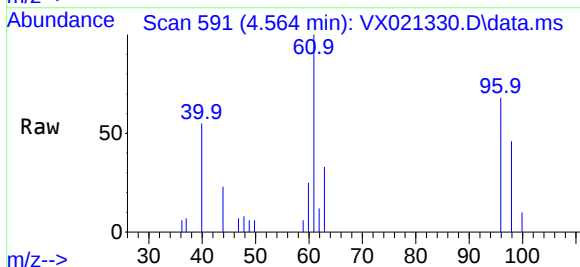
Instrument :  
MSVOA\_X  
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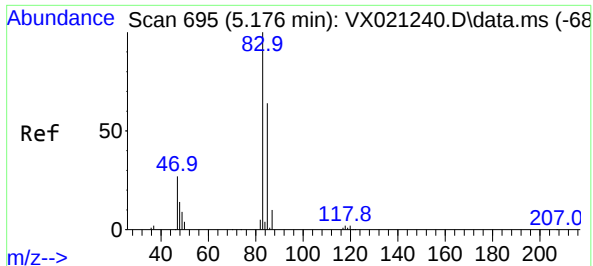
Tgt Ion: 63 Resp: 1267  
Ion Ratio Lower Upper  
63 100  
98 10.0 3.8 11.2  
100 0.0 2.5 7.5#



#27  
cis-1,2-Dichloroethene  
Concen: 1.68 ug/l  
RT: 4.564 min Scan# 591  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Tgt Ion: 96 Resp: 1713  
Ion Ratio Lower Upper  
96 100  
61 145.5 0.0 285.6  
98 69.1 0.0 129.6

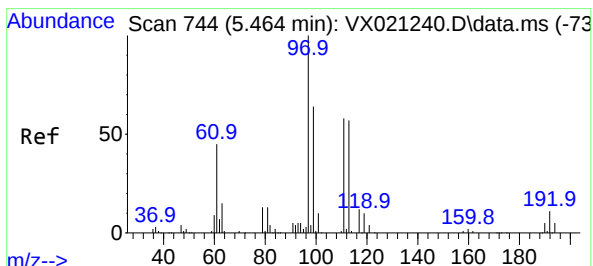
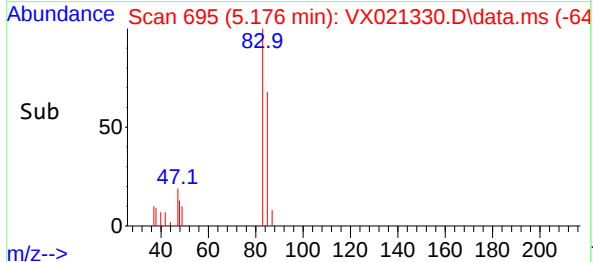
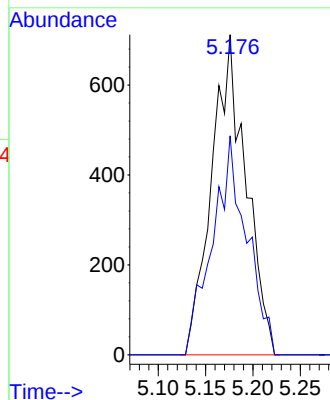
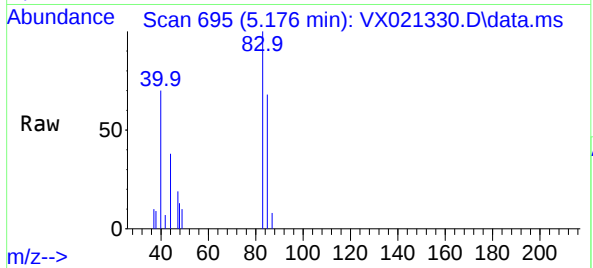




#30  
Chloroform  
Concen: 1.01 ug/l  
RT: 5.176 min Scan# 695  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

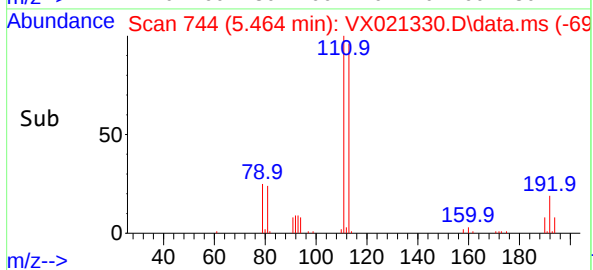
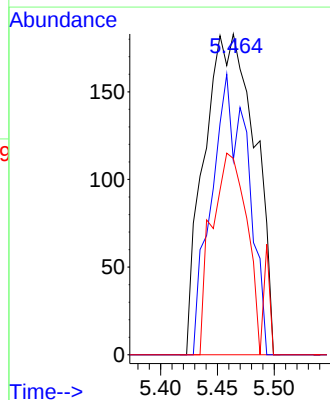
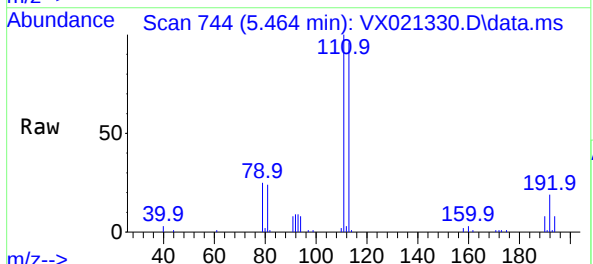
Instrument :  
MSVOA\_X  
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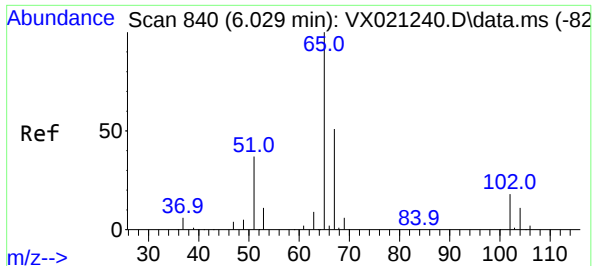
Tgt Ion: 83 Resp: 1793  
Ion Ratio Lower Upper  
83 100  
85 68.4 52.0 78.0



#32  
1,1,1-Trichloroethane  
Concen: 0.36 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Tgt Ion: 97 Resp: 569  
Ion Ratio Lower Upper  
97 100  
99 0.0 51.5 77.3#  
61 43.2 34.2 51.4



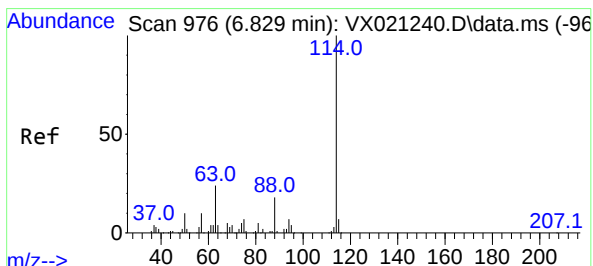
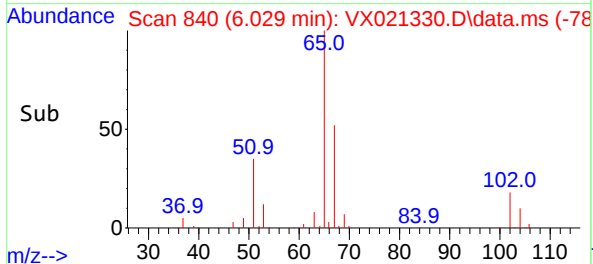
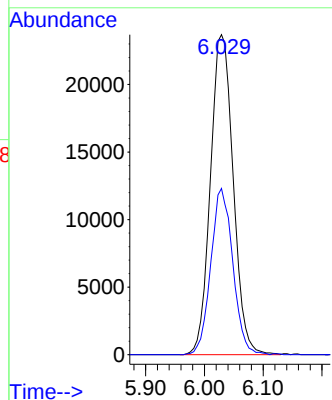
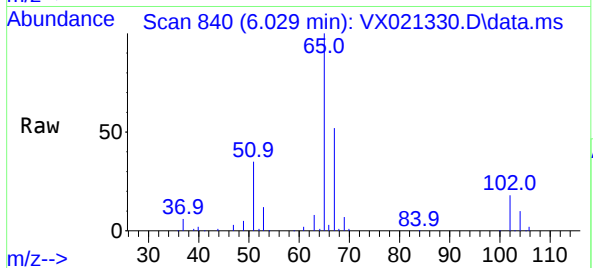


#33

1,2-Dichloroethane-d4  
Concen: 50.04 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20210315

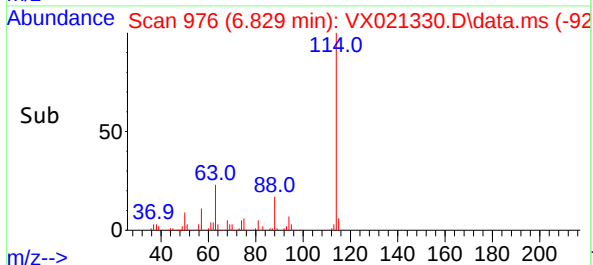
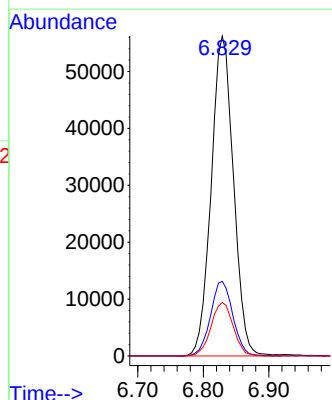
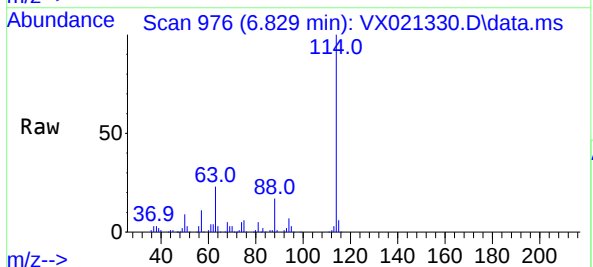
Tgt Ion: 65 Resp: 63897  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 105.4

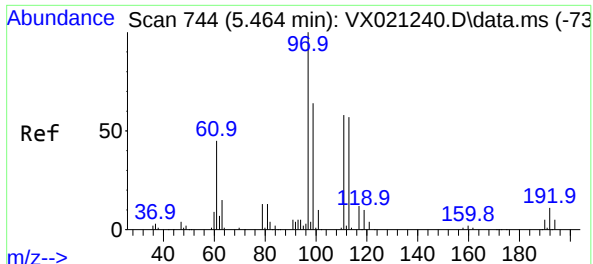


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Tgt Ion: 114 Resp: 132631  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 40.8  
88 16.7 0.0 32.8

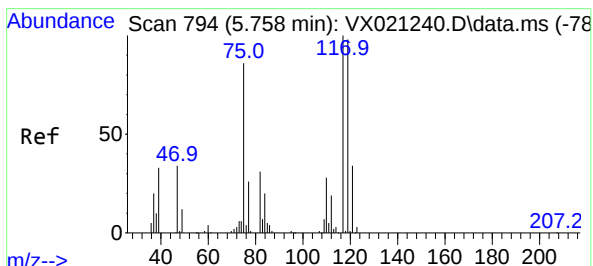
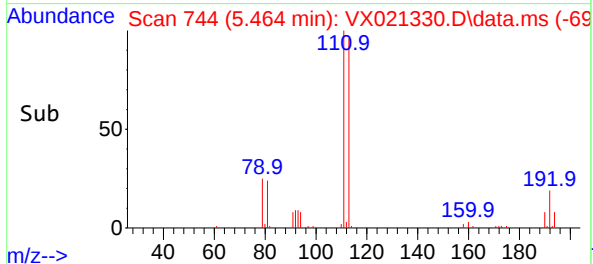
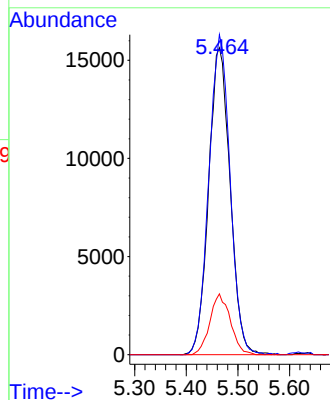
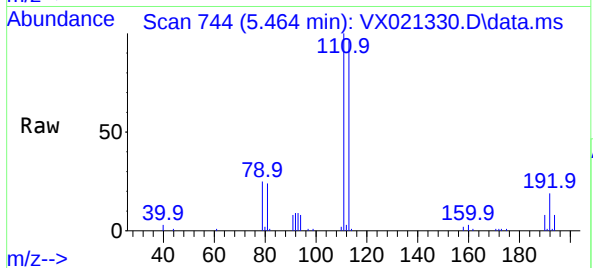




#35  
Dibromofluoromethane  
Concen: 49.97 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

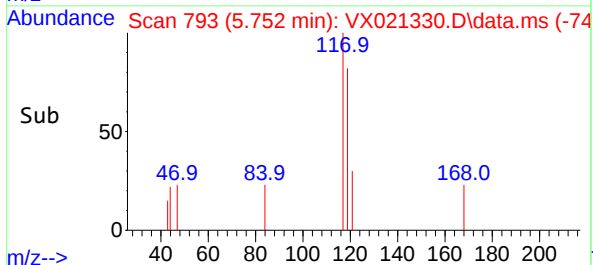
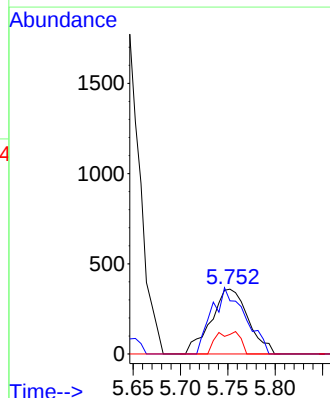
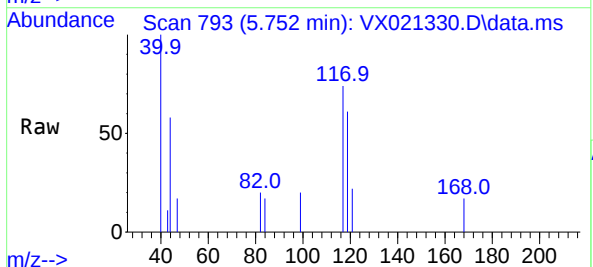
Instrument :  
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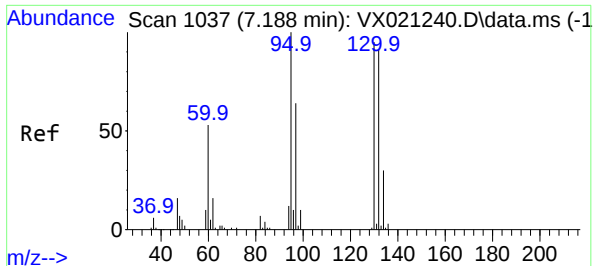
Tgt Ion:113 Resp: 45097  
Ion Ratio Lower Upper  
113 100  
111 103.0 81.9 122.9  
192 18.9 16.7 25.1



#38  
Carbon Tetrachloride  
Concen: 0.71 ug/l  
RT: 5.752 min Scan# 793  
Delta R.T. -0.006 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Tgt Ion:117 Resp: 984  
Ion Ratio Lower Upper  
117 100  
119 82.2 76.2 114.2  
121 30.1 24.8 37.2

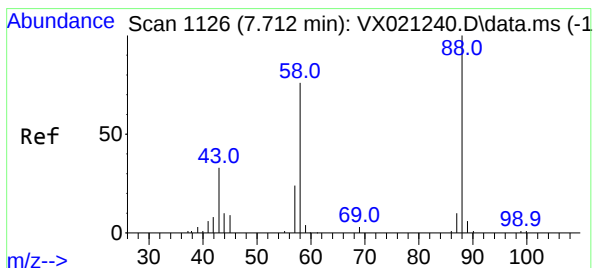
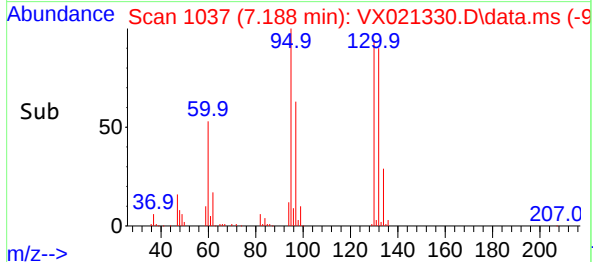
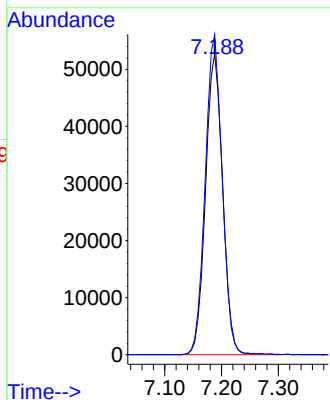
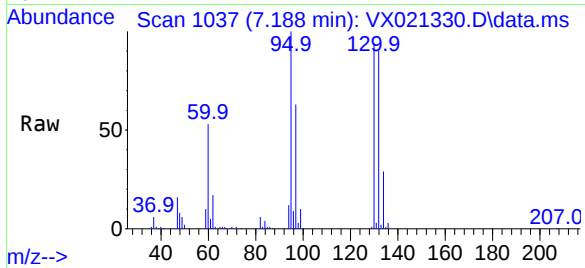




#44  
Trichloroethene  
Concen: 112.55 ug/l  
RT: 7.188 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

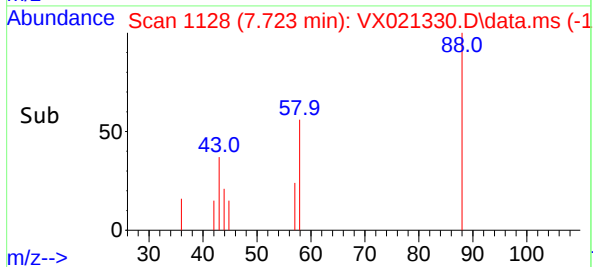
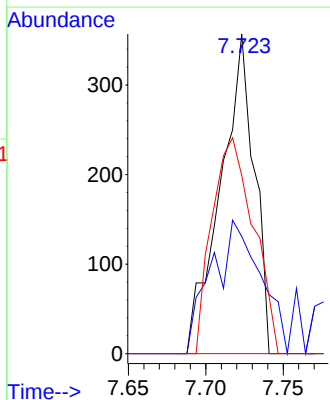
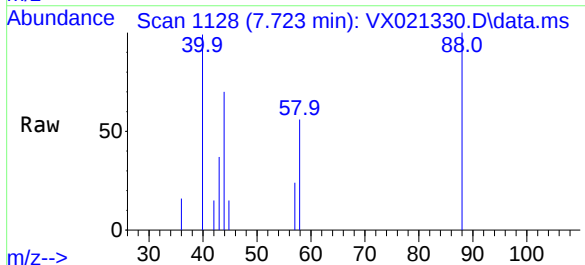
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20210315

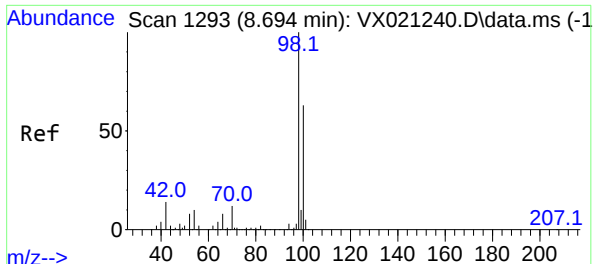
Tgt Ion:130 Resp: 110101  
Ion Ratio Lower Upper  
130 100  
95 106.3 0.0 198.0



#49  
1,4-Dioxane  
Concen: 12.40 ug/l  
RT: 7.723 min Scan# 1128  
Delta R.T. 0.011 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Tgt Ion: 88 Resp: 538  
Ion Ratio Lower Upper  
88 100  
43 61.0 23.2 34.8#  
58 83.6 55.0 82.4#

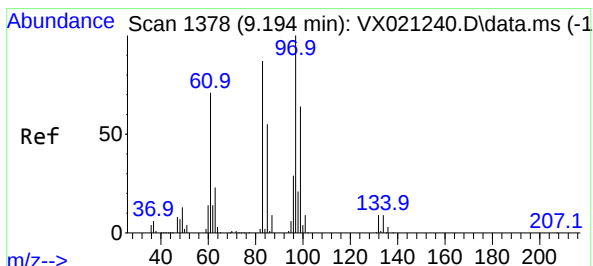
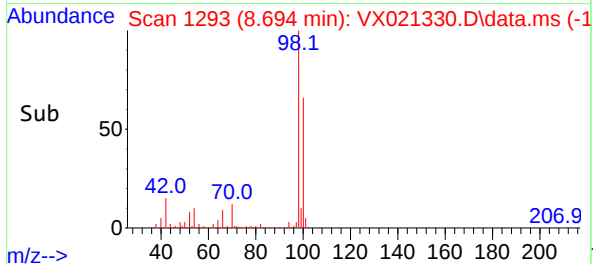
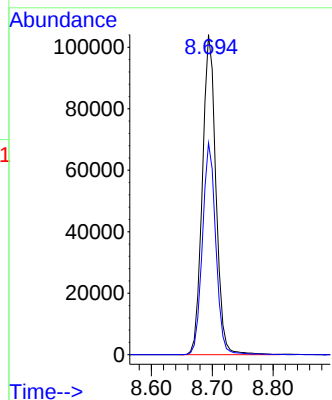
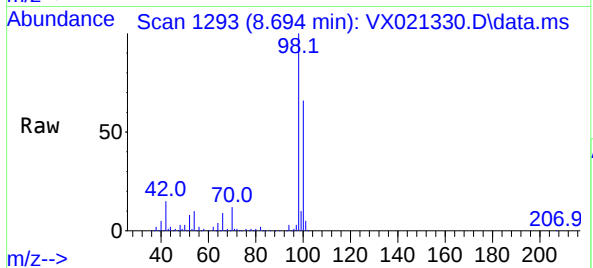




#50  
Toluene-d8  
Concen: 49.23 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

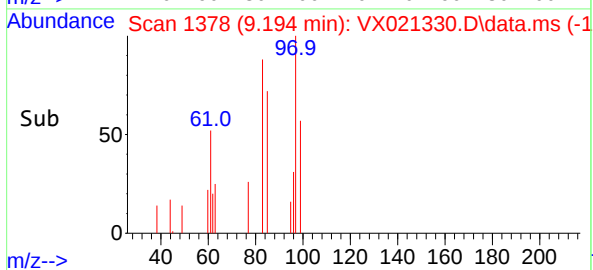
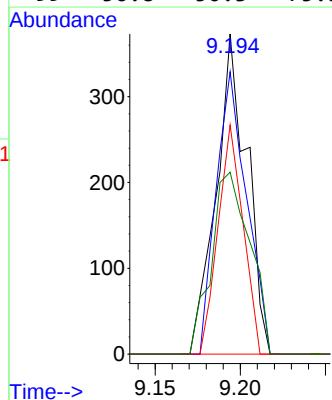
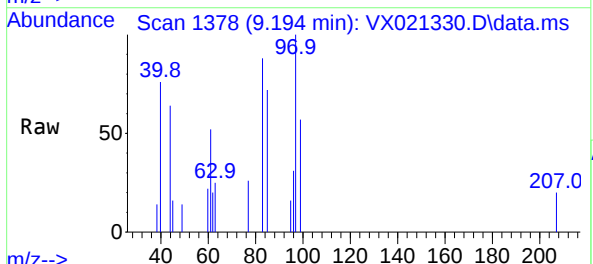
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20210315

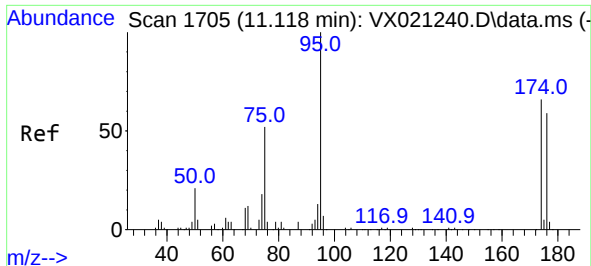
Tgt Ion: 98 Resp: 161199  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.9 77.9



#55  
1,1,2-Trichloroethane  
Concen: 0.50 ug/l  
RT: 9.194 min Scan# 1378  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Tgt Ion: 97 Resp: 468  
Ion Ratio Lower Upper  
97 100  
83 88.2 69.3 103.9  
85 71.6 44.3 66.5#  
99 56.8 50.3 75.5

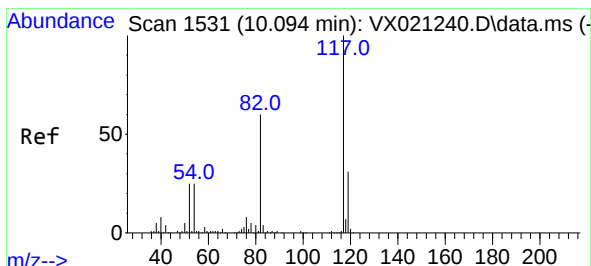
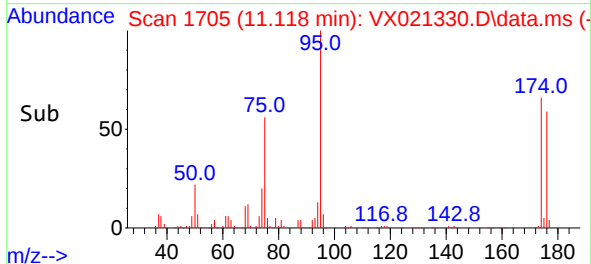
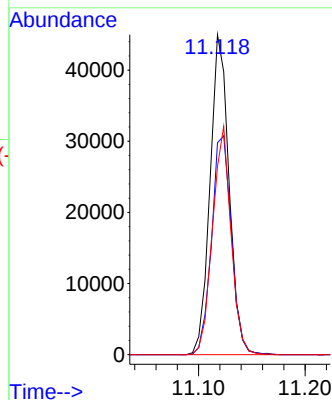
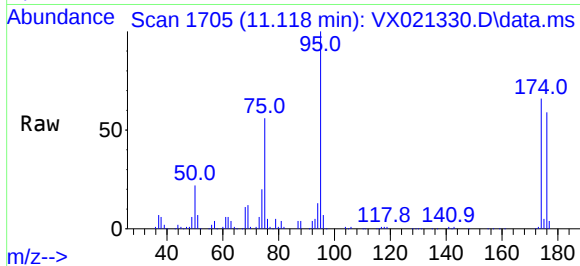




#62  
4-Bromofluorobenzene  
Concen: 43.81 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

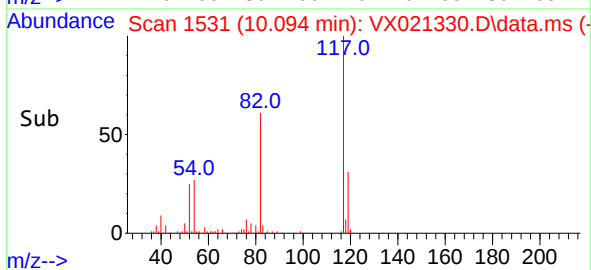
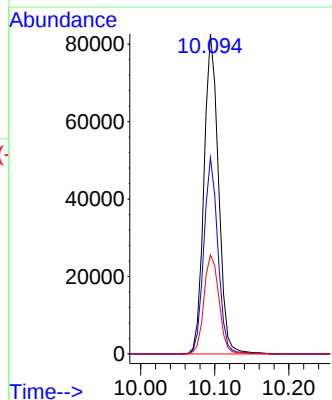
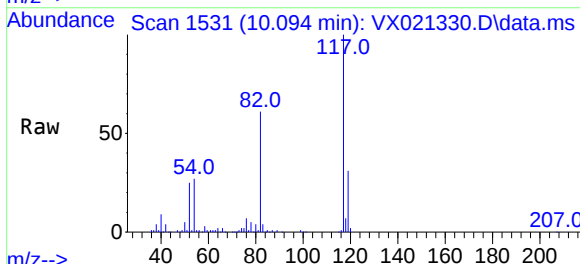
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20210315

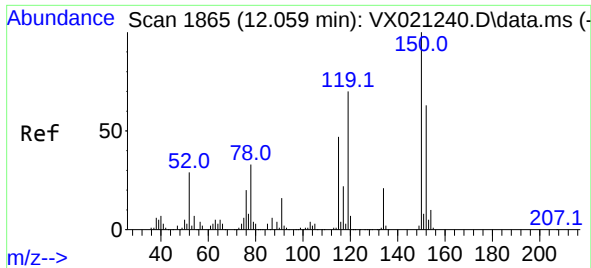
Tgt Ion: 95 Resp: 55707  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 154.6  
176 69.3 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021330.D  
Acq: 20 Mar 2021 06:39

Tgt Ion:117 Resp: 112619  
Ion Ratio Lower Upper  
117 100  
82 61.4 47.4 71.2  
119 31.0 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: VX021330.D  
Acq: 20 Mar 2021 06:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D5-20210315

Tgt Ion:152 Resp: 46045  
Ion Ratio Lower Upper  
152 100  
115 61.7 41.1 123.3  
150 155.1 0.0 349.0

