

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062521\  
 Data File : VX022932.D  
 Acq On : 25 Jun 2021 18:47  
 Operator : JC/MD  
 Sample : M2838-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 26 03:55:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

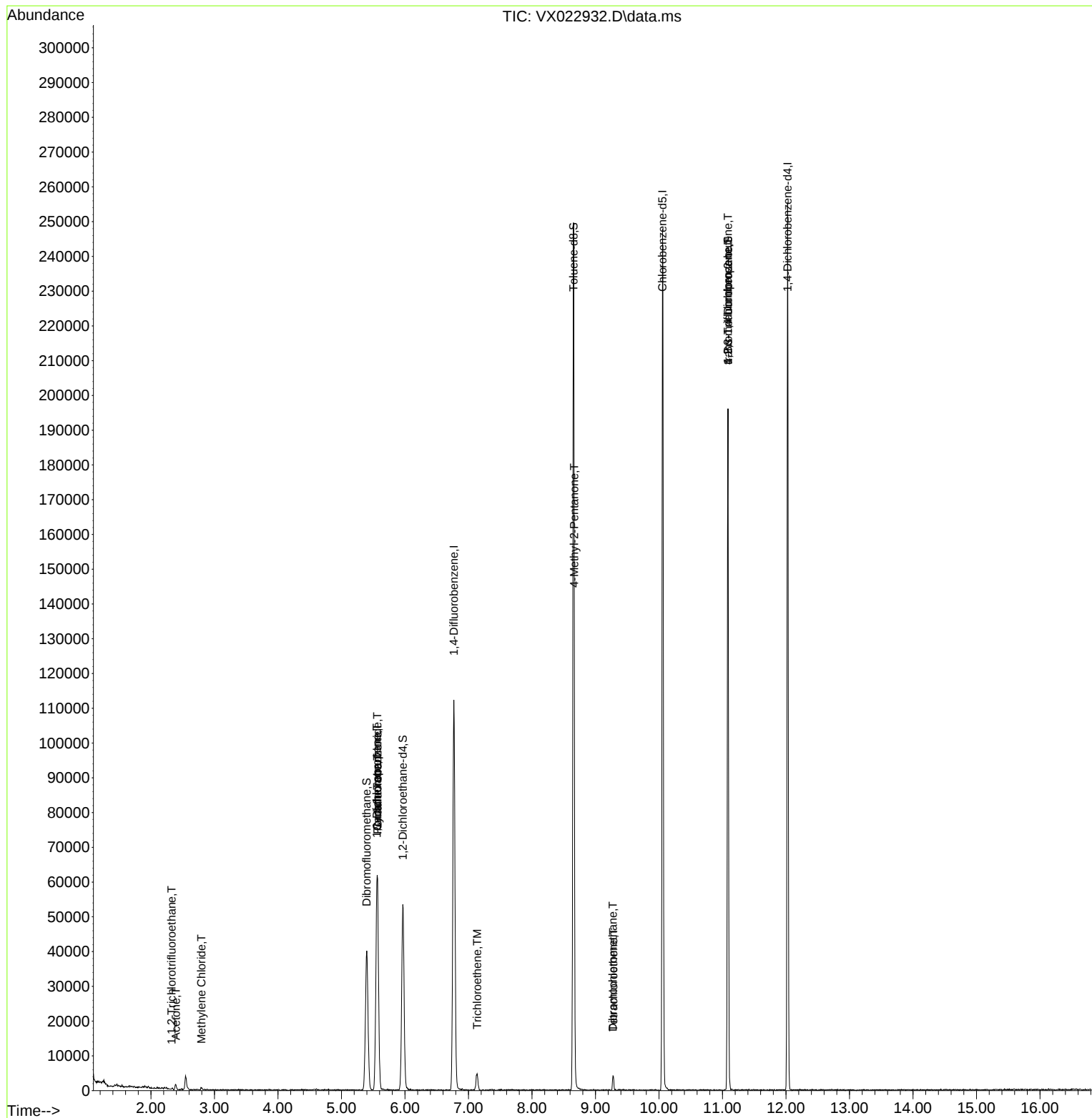
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.568  | 168   | 51922    | 50.00    | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 106574   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 105411   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 44830    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 48727    | 51.71    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 103.42%  |
| 35) Dibromofluoromethane      | 5.397  | 113   | 33750    | 49.87    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 99.74%   |
| 50) Toluene-d8                | 8.653  | 98    | 137021   | 51.66    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 103.32%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 50586    | 51.10    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 102.20%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo...  | 2.325  | 101   | 208      | 0.31     | ug/l # | 83       |
| 16) Acetone                   | 2.392  | 43    | 1610     | 3.85     | ug/l   | 91       |
| 20) Methylene Chloride        | 2.794  | 84    | 229      | 0.65     | ug/l # | 87       |
| 31) Cyclohexane               | 5.562  | 56    | 1593     | 1.20     | ug/l # | 36       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 5407     | 4.78     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 6132     | 6.46     | ug/l # | 18       |
| 44) Trichloroethene           | 7.135  | 130   | 1804     | 2.33     | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.665  | 43    | 718      | 0.55     | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 832      | 4.64     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.281  | 164   | 668      | 0.90     | ug/l   | 90       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 29057    | 24.54    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 29057    | 64.16    | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

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

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MSVOA\_X  
ClientSampleId :

Quant Time: Jun 26 03:55:26 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
Response via : Initial Calibration

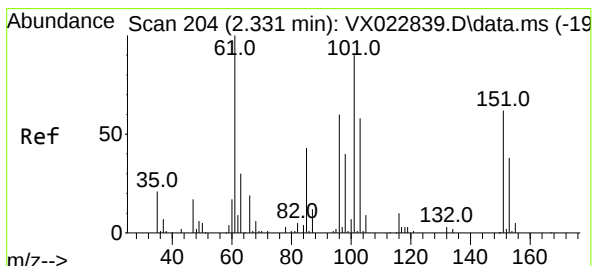
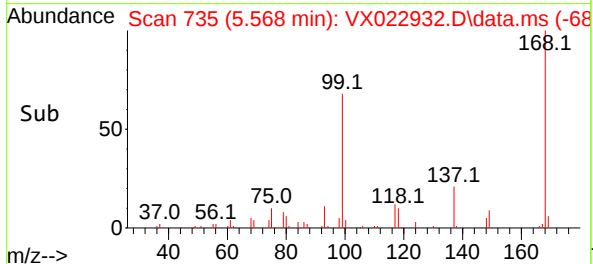
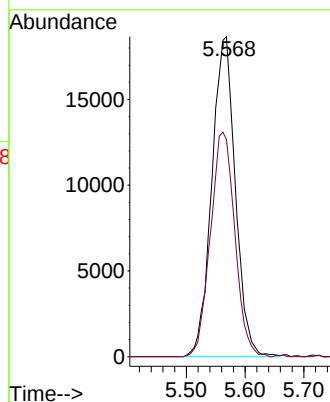
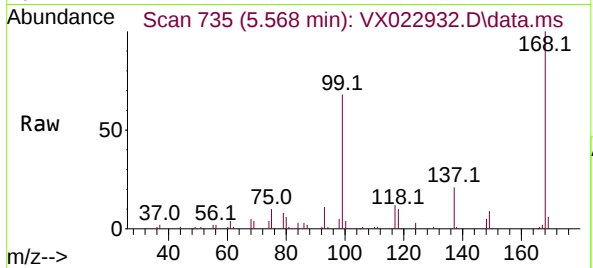




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. 0.012 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

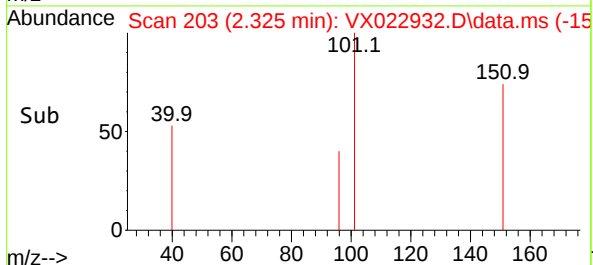
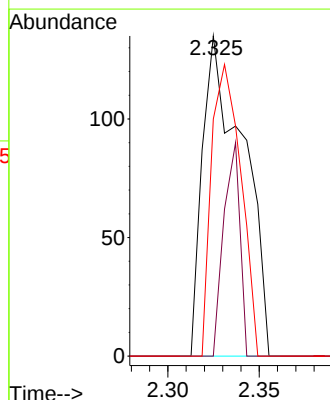
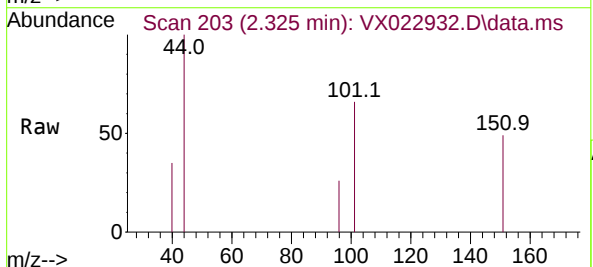
Instrument :  
MSVOA\_X  
ClientSampleId :

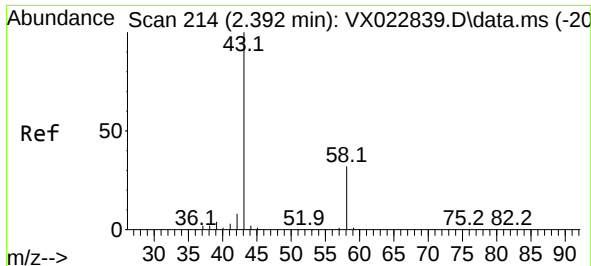
Tgt Ion:168 Resp: 51922  
Ion Ratio Lower Upper  
168 100  
99 67.9 45.8 68.6



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.31 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. -0.006 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

Tgt Ion:101 Resp: 208  
Ion Ratio Lower Upper  
101 100  
85 26.9 34.9 52.3#  
151 65.9 61.4 92.2

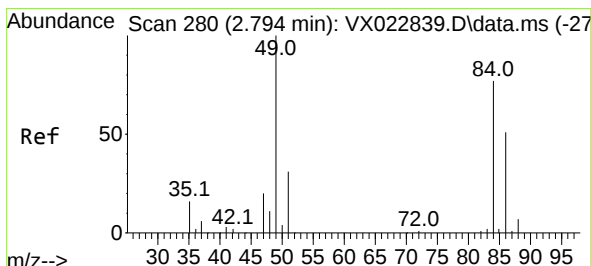
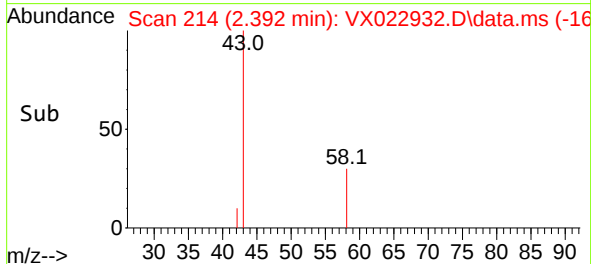
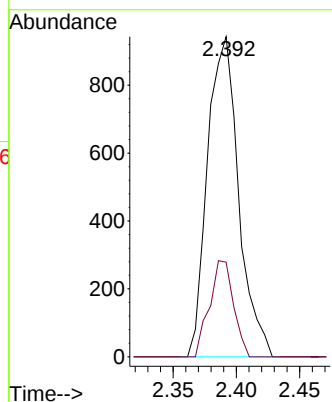
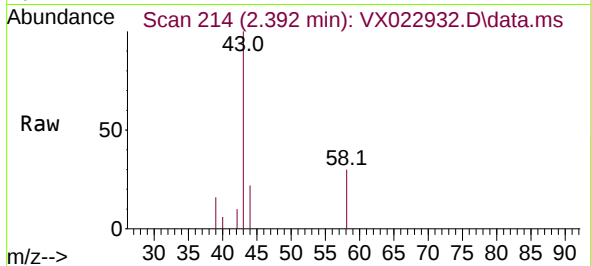




#16  
Acetone  
Concen: 3.85 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

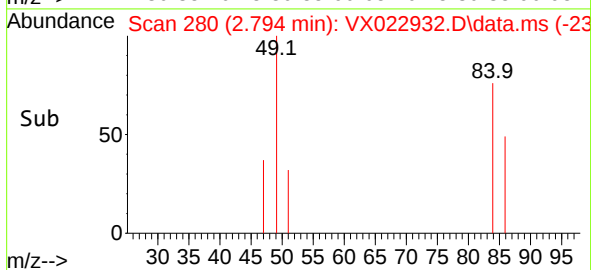
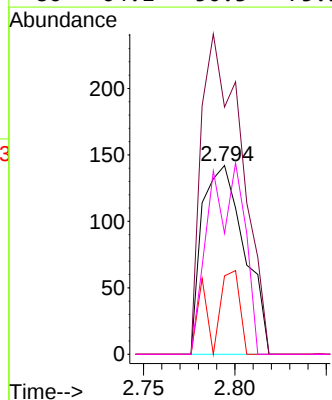
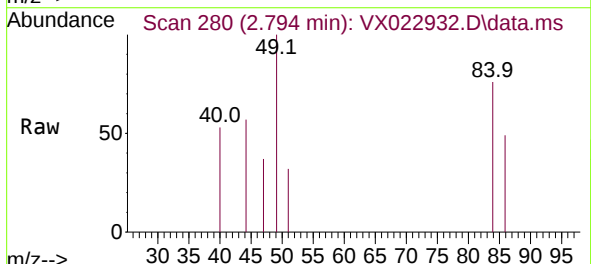
Instrument :  
MSVOA\_X  
ClientSampled :

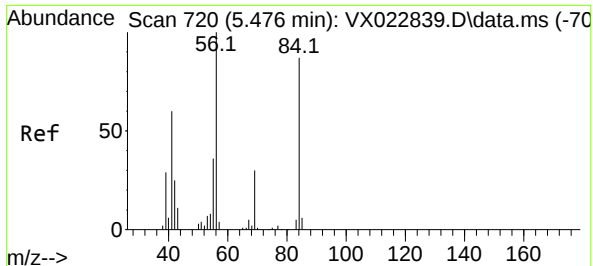
Tgt Ion: 43 Resp: 1610  
Ion Ratio Lower Upper  
43 100  
58 29.6 27.8 41.8



#20  
Methylene Chloride  
Concen: 0.65 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

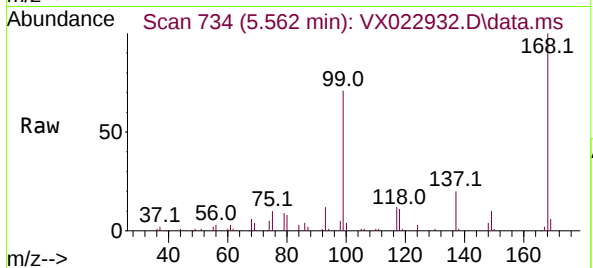
Tgt Ion: 84 Resp: 229  
Ion Ratio Lower Upper  
84 100  
49 131.0 88.6 132.8  
51 41.5 27.0 40.6#  
86 64.1 50.3 75.5



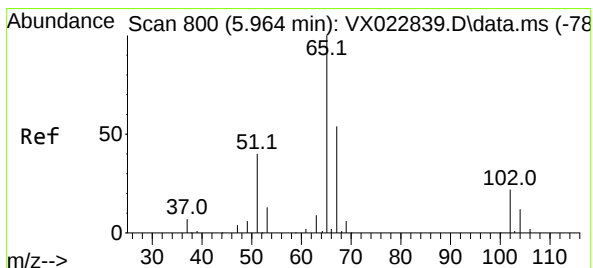
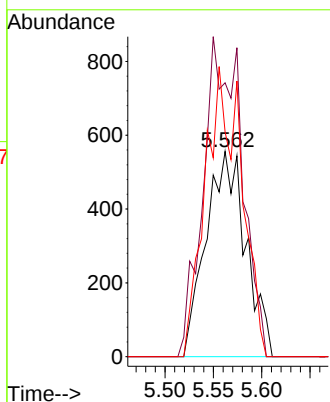
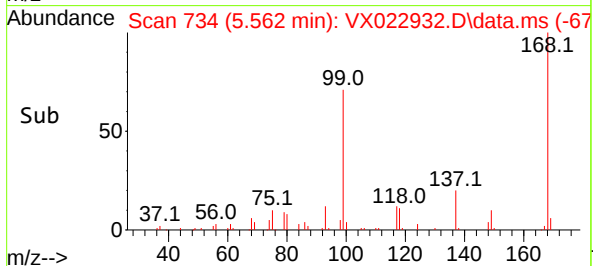


#31  
Cyclohexane  
Concen: 1.20 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.086 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

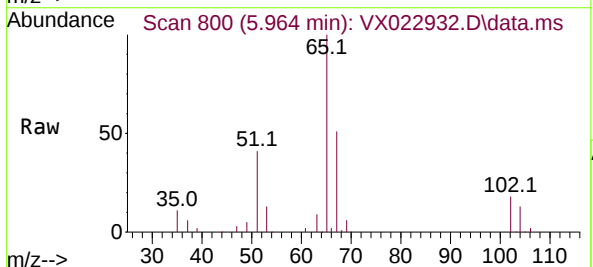
Instrument :  
MSVOA\_X  
ClientSampled :



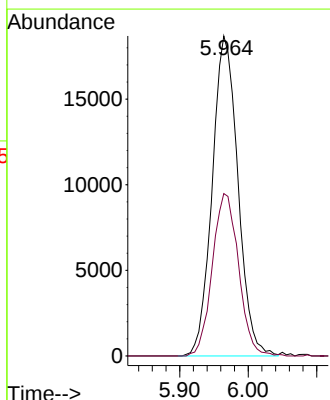
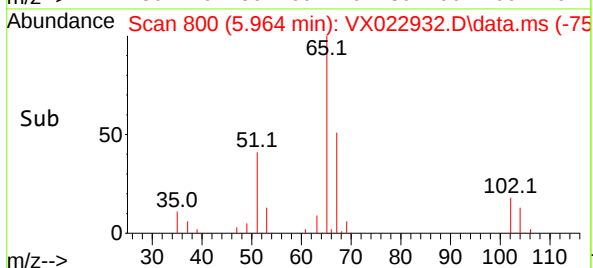
Tgt Ion: 56 Resp: 1593  
Ion Ratio Lower Upper  
56 100  
69 133.5 25.3 37.9#  
84 109.5 71.4 107.0#

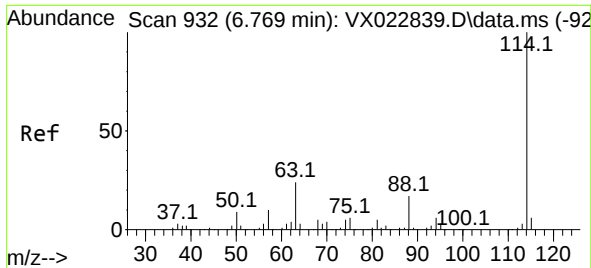


#33  
1,2-Dichloroethane-d4  
Concen: 51.71 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47



Tgt Ion: 65 Resp: 48727  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 105.4

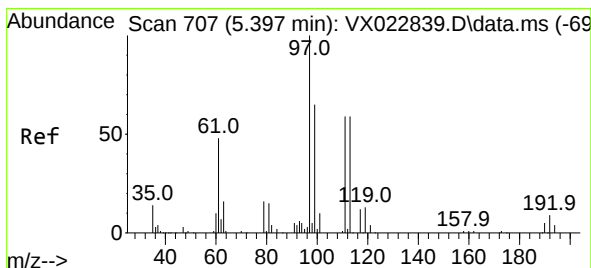
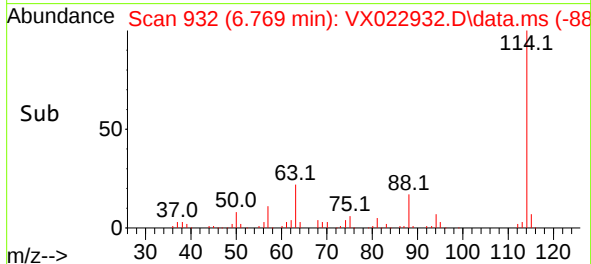
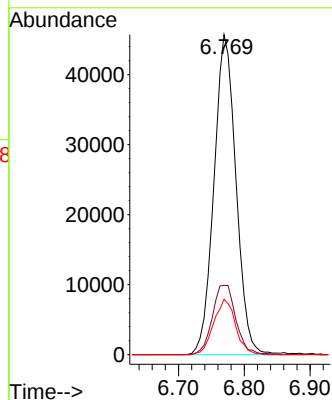
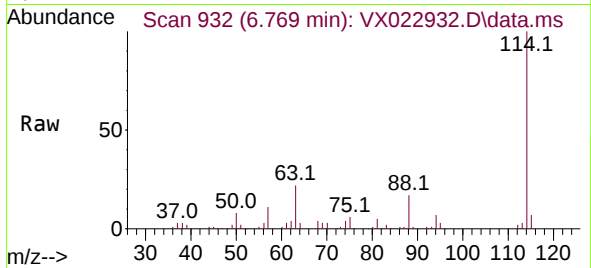




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

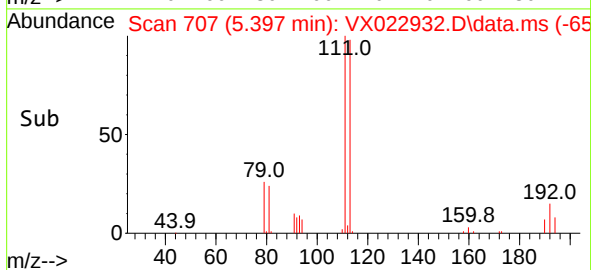
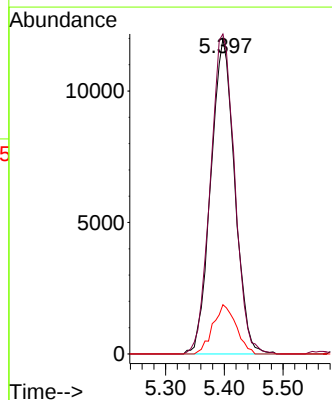
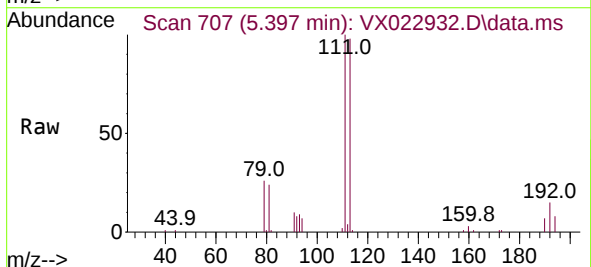
Instrument :  
MSVOA\_X  
ClientSampleId :

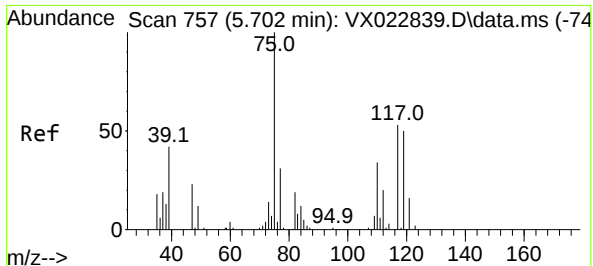
Tgt Ion:114 Resp: 106574  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 40.8  
88 17.3 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 49.87 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

Tgt Ion:113 Resp: 33750  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.9 122.9  
192 15.2 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.78 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022932.D

Acq: 25 Jun 2021 18:47

Tgt Ion: 75 Resp: 5407

Ion Ratio Lower Upper

75 100

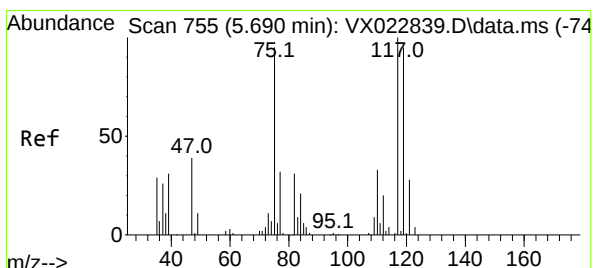
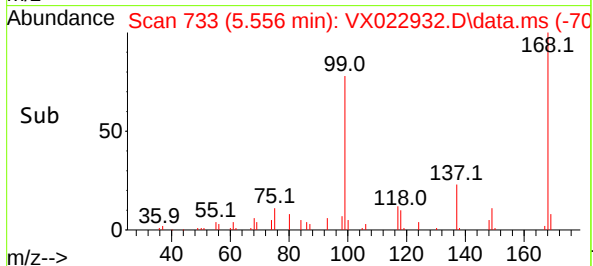
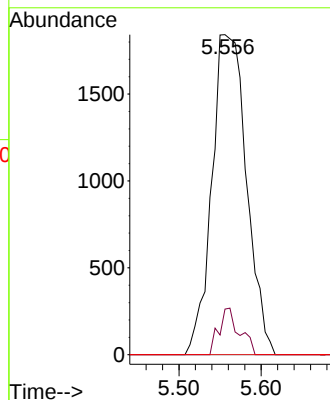
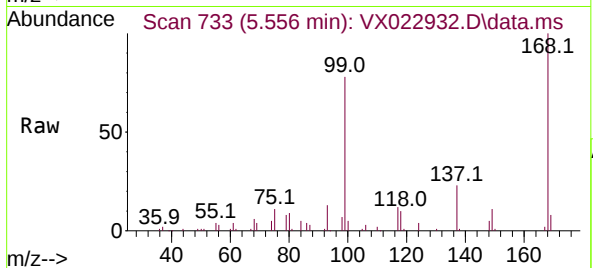
110 8.6 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA\_X

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.46 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX022932.D

Acq: 25 Jun 2021 18:47

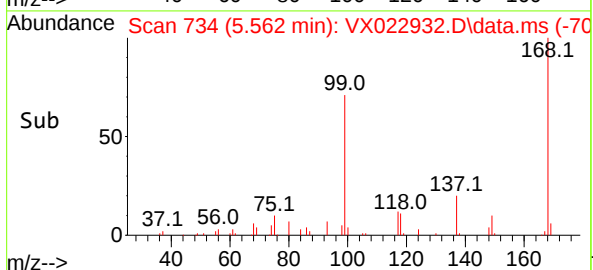
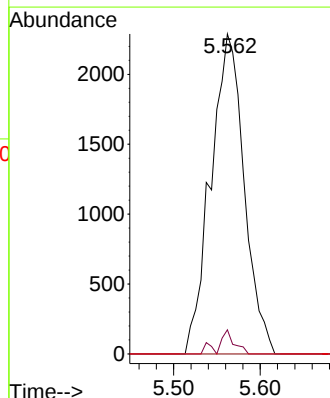
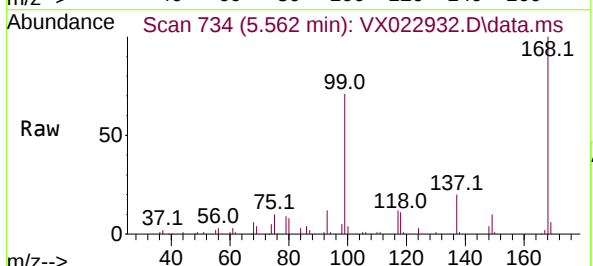
Tgt Ion: 117 Resp: 6132

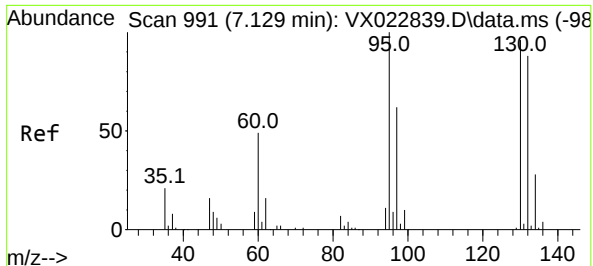
Ion Ratio Lower Upper

117 100

119 7.5 76.2 114.2#

121 0.0 24.8 37.2#

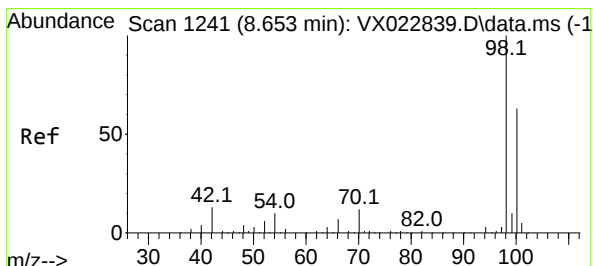
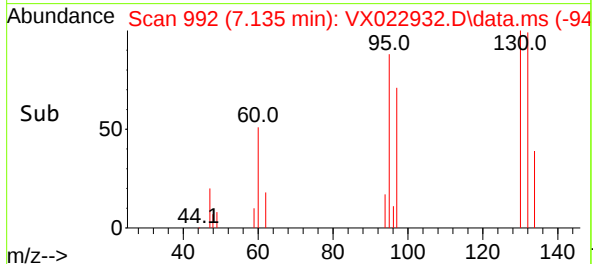
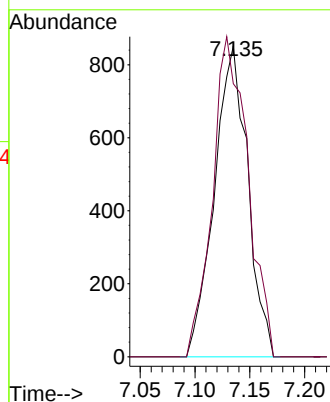
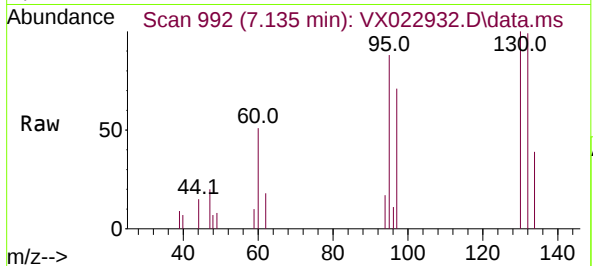




#44  
Trichloroethene  
Concen: 2.33 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

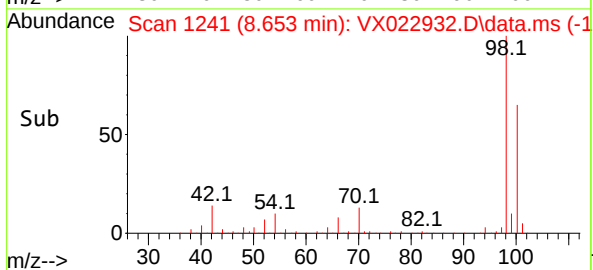
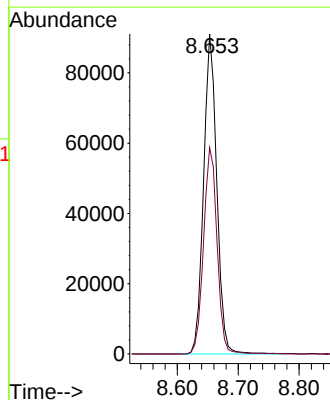
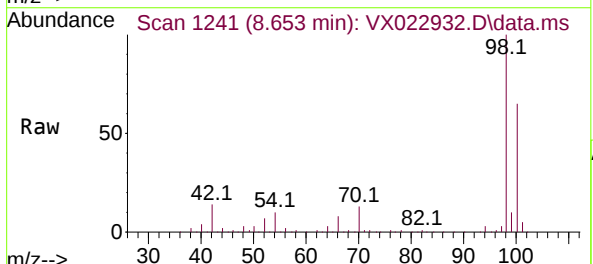
Instrument :  
MSVOA\_X  
ClientSampled :

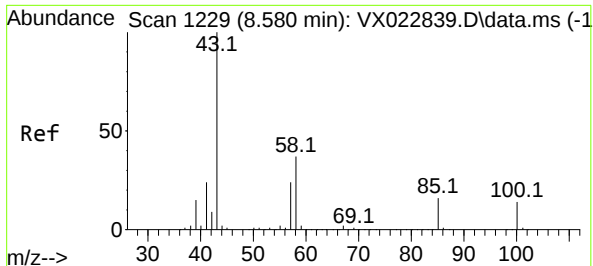
Tgt Ion:130 Resp: 1804  
Ion Ratio Lower Upper  
130 100  
95 87.9 0.0 198.0



#50  
Toluene-d8  
Concen: 51.66 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

Tgt Ion: 98 Resp: 137021  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.9 77.9

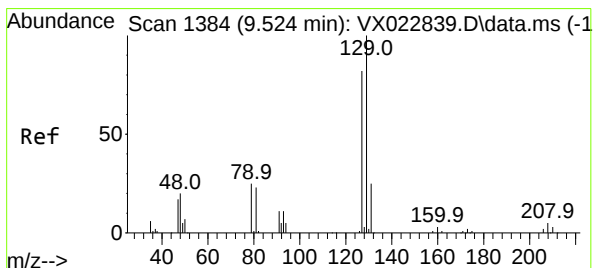
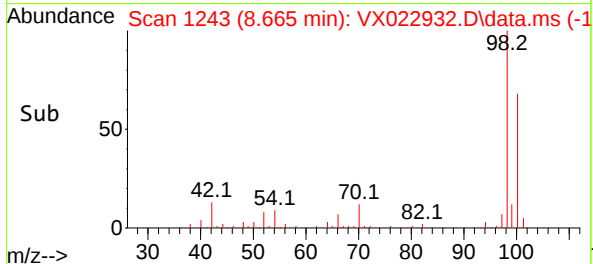
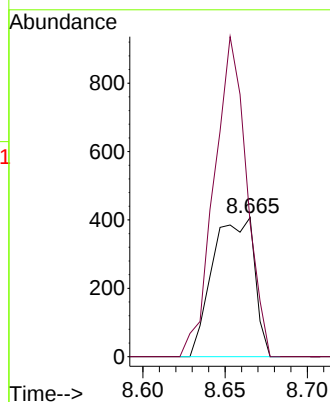
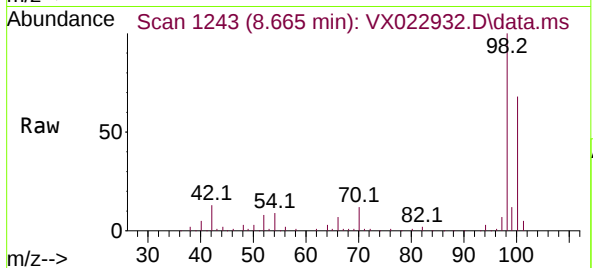




#51  
4-Methyl-2-Pentanone  
Concen: 0.55 ug/l  
RT: 8.665 min Scan# 1243  
Delta R.T. 0.085 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

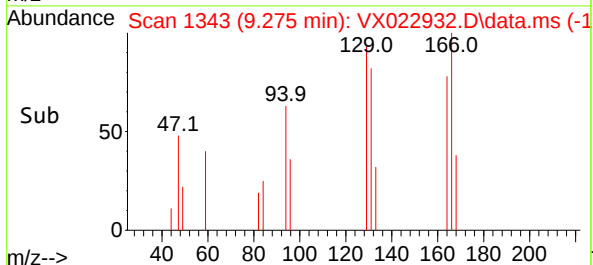
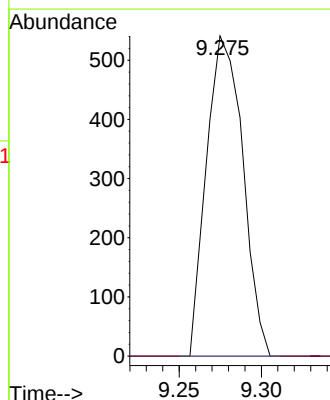
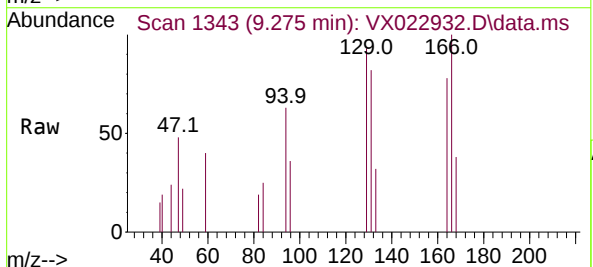
Instrument :  
MSVOA\_X  
ClientSampled :

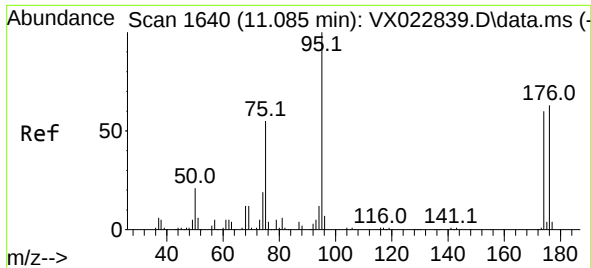
Tgt Ion: 43 Resp: 718  
Ion Ratio Lower Upper  
43 100  
58 179.2 35.4 53.0#



#60  
Dibromochloromethane  
Concen: 4.64 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.249 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

Tgt Ion: 129 Resp: 832  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#

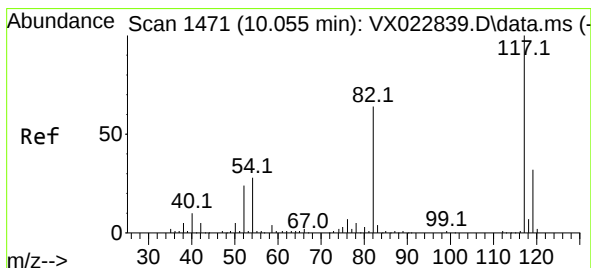
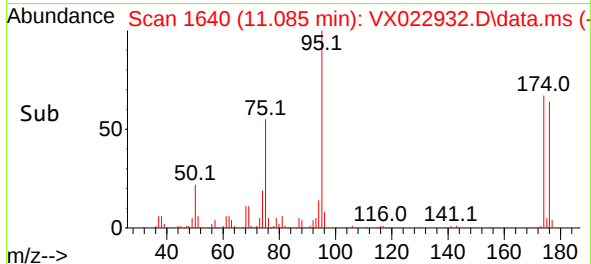
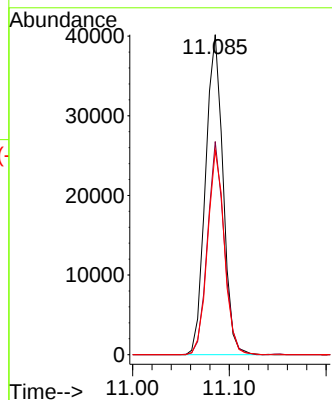
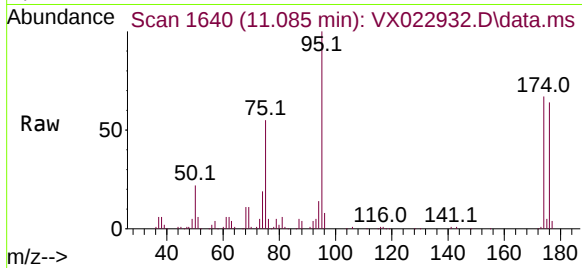




#62  
4-Bromofluorobenzene  
Concen: 51.10 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

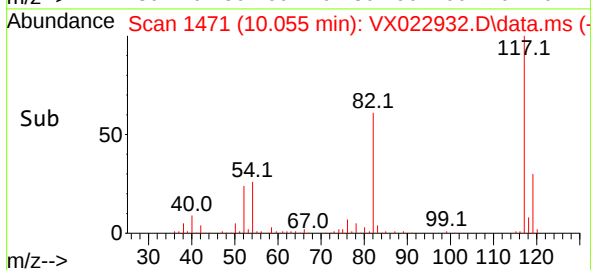
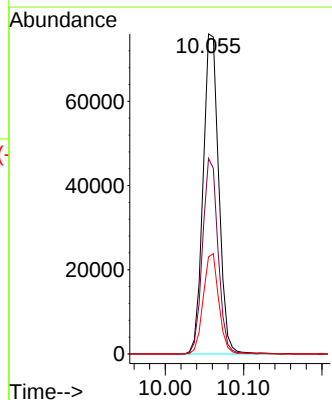
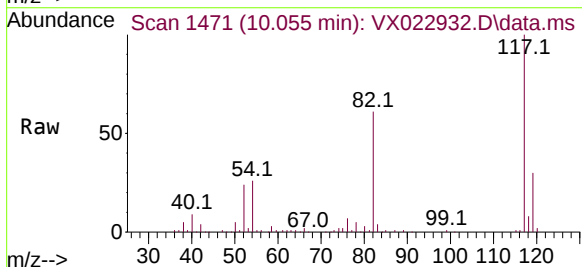
Instrument :  
MSVOA\_X  
ClientSampleId :

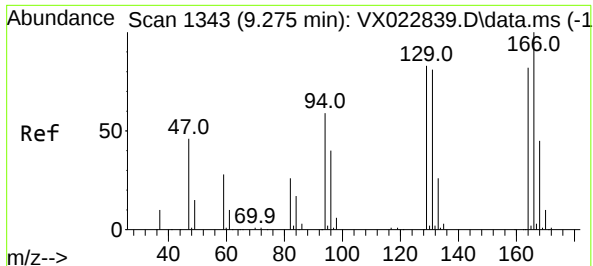
Tgt Ion: 95 Resp: 50586  
Ion Ratio Lower Upper  
95 100  
174 63.2 0.0 154.6  
176 61.5 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

Tgt Ion: 117 Resp: 105411  
Ion Ratio Lower Upper  
117 100  
82 61.1 47.4 71.2  
119 30.4 26.6 39.8



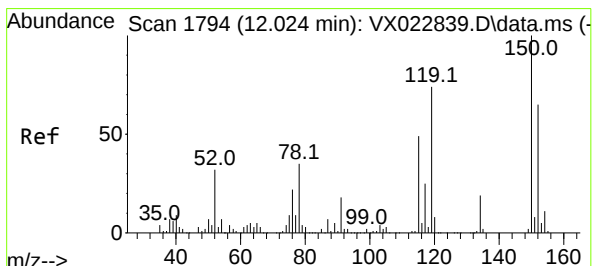
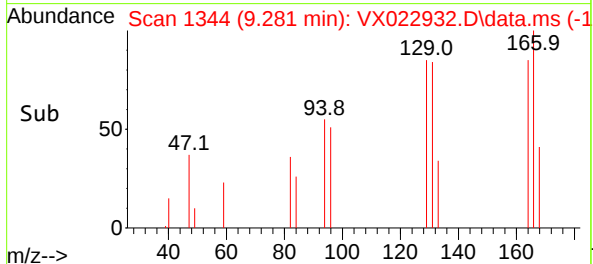
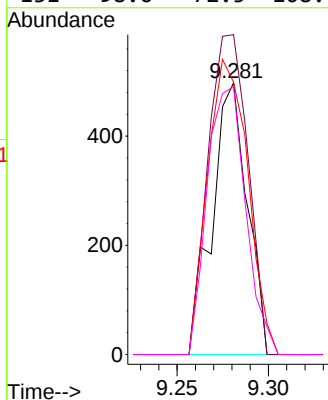
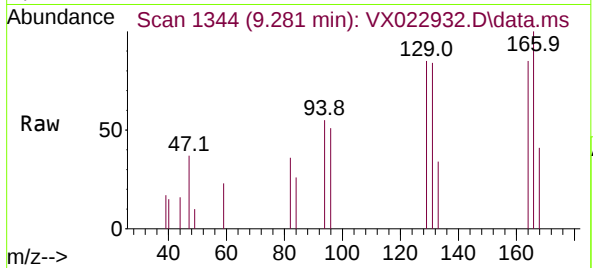


#64  
Tetrachloroethene  
Concen: 0.90 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. 0.006 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:164 Resp: 668

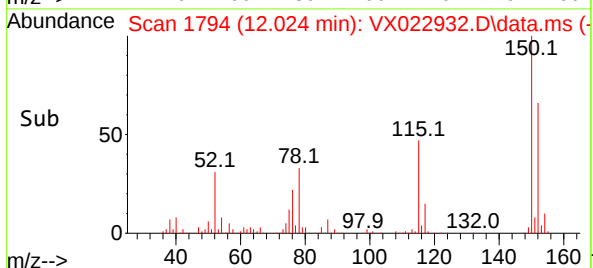
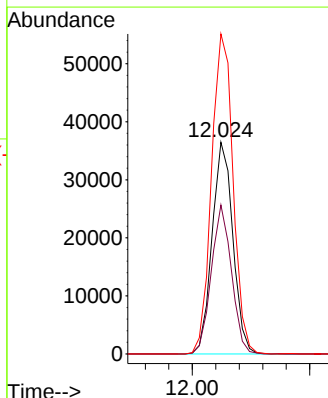
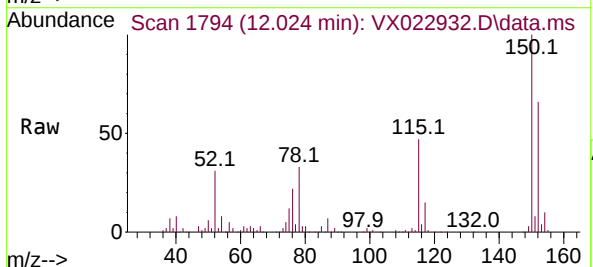
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 117.7 | 103.4 | 155.2 |
| 129 | 100.2 | 70.8  | 106.2 |
| 131 | 98.6  | 72.5  | 108.7 |

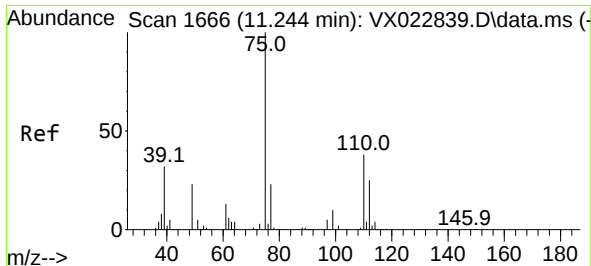


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

Tgt Ion:152 Resp: 44830

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 68.2  | 41.1  | 123.3 |
| 150 | 156.4 | 0.0   | 349.0 |

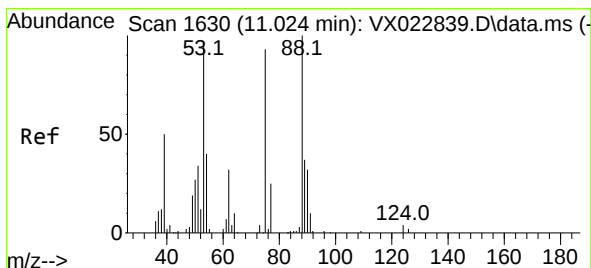
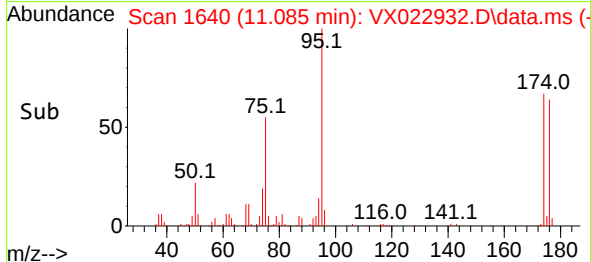
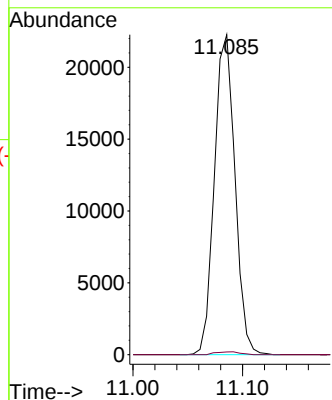
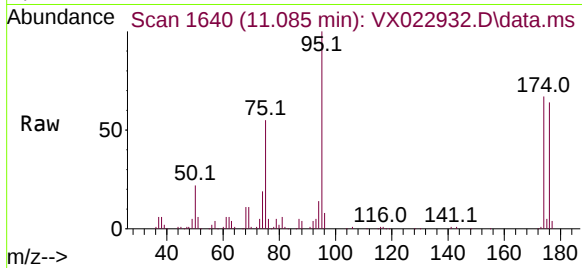




#76  
1,2,3-Trichloropropane  
Concen: 24.54 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 29057  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.16 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX022932.D  
Acq: 25 Jun 2021 18:47

Tgt Ion: 75 Resp: 29057  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

