

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100821\  
 Data File : VX024667.D  
 Acq On : 08 Oct 2021 13:17  
 Operator : JC/MD  
 Sample : VX1008WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 08 16:28:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 18:24:34 2021  
 Response via : Initial Calibration

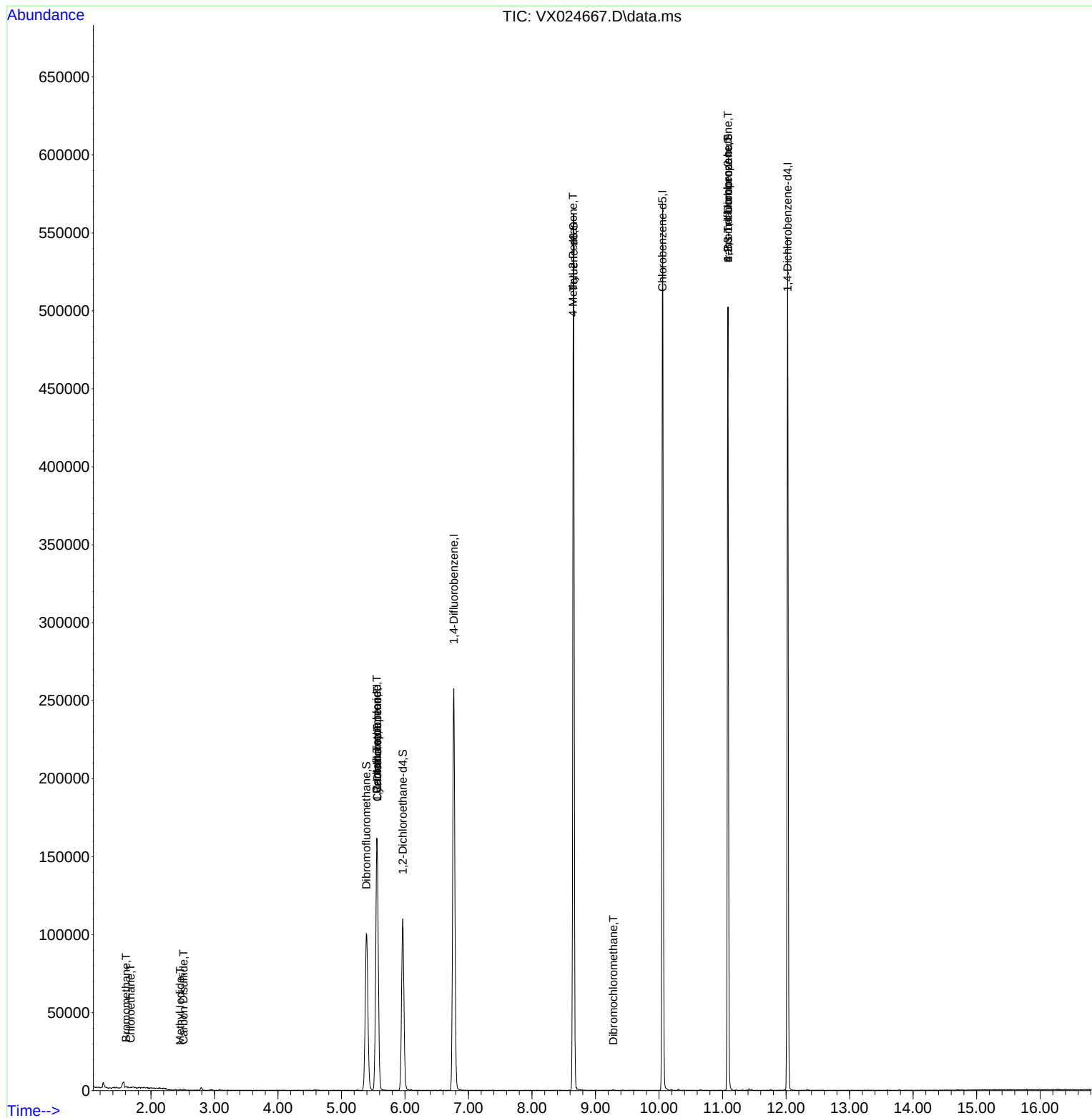
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 150312   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 257678   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 248430   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 109474   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 109647   | 51.758    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | = 103.520% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 86212    | 50.363    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 100.720% |          |
| 50) Toluene-d8                | 8.653  | 98    | 317264   | 50.356    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | = 100.720% |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 124581   | 50.291    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 100.580% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 1.605  | 94    | 427      | 0.425     | ug/l #     | 69       |
| 6) Chloroethane               | 1.679  | 64    | 170      | 0.429     | ug/l #     | 43       |
| 10) Methyl Iodide             | 2.459  | 142   | 533      | 0.257     | ug/l #     | 88       |
| 11) Tert butyl alcohol        | 2.959  | 59    | 325      | Below Cal | #          | 73       |
| 16) Acetone                   | 2.380  | 43    | 591      | Below Cal | #          | 84       |
| 17) Carbon Disulfide          | 2.514  | 76    | 985      | 0.504     | ug/l #     | 75       |
| 20) Methylene Chloride        | 2.788  | 84    | 782      | Below Cal | #          | 70       |
| 31) Cyclohexane               | 5.562  | 56    | 3397     | 1.339     | ug/l #     | 22       |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 11523    | 4.665     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 15580    | 5.794     | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1614     | 0.521     | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.281  | 129   | 98       | 1.232     | ug/l #     | 11       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 67208    | 27.034    | ug/l #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 67208    | 73.562    | ug/l #     | 12       |
| -----                         |        |       |          |           |            |          |

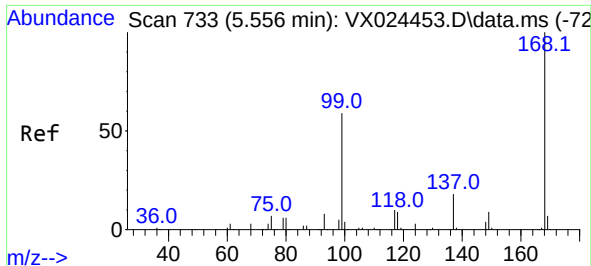
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100821\  
Data File : VX024667.D  
Acq On : 08 Oct 2021 13:17  
Operator : JC/MD  
Sample : VX1008WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Oct 08 16:28:15 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 23 18:24:34 2021  
Response via : Initial Calibration

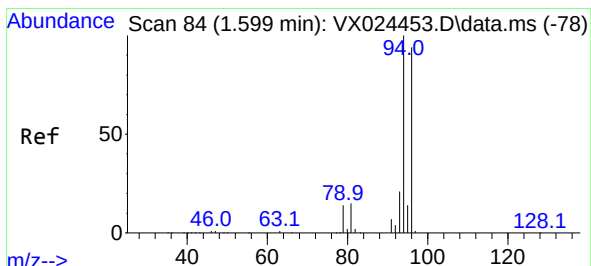
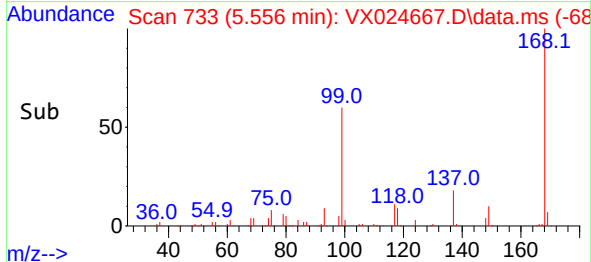
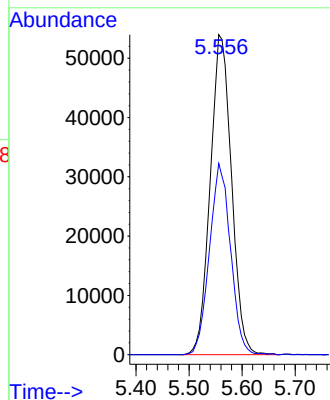
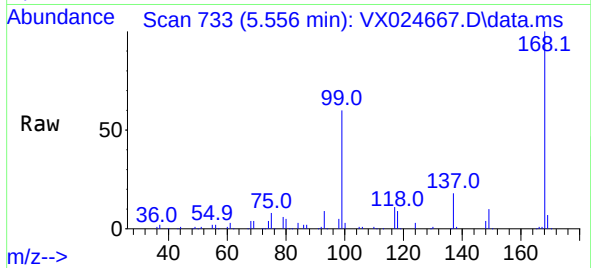




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.000 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

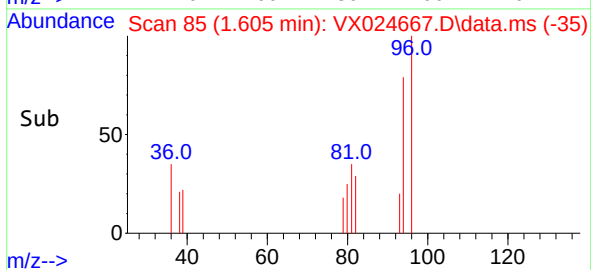
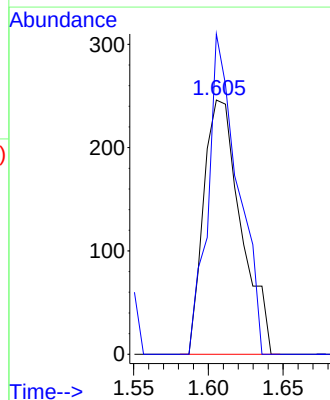
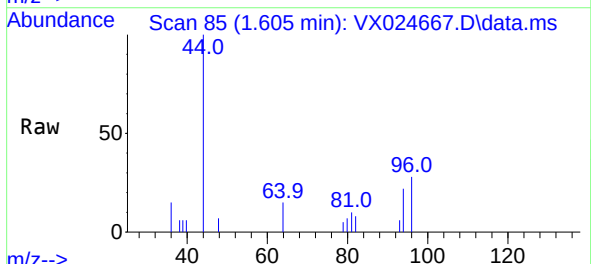
Instrument :  
MSVOA\_X  
ClientSampled :

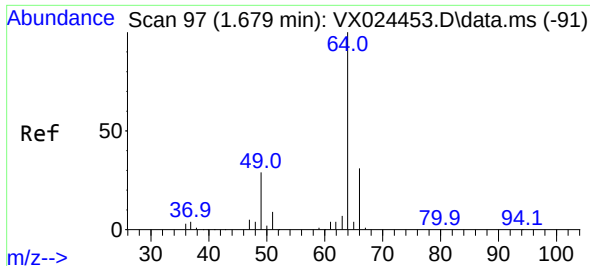
Tgt Ion:168 Resp: 150312  
Ion Ratio Lower Upper  
168 100  
99 59.7 45.8 68.6



#5  
Bromomethane  
Concen: 0.425 ug/l  
RT: 1.605 min Scan# 85  
Delta R.T. 0.006 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Tgt Ion: 94 Resp: 427  
Ion Ratio Lower Upper  
94 100  
96 126.0 76.4 114.6#

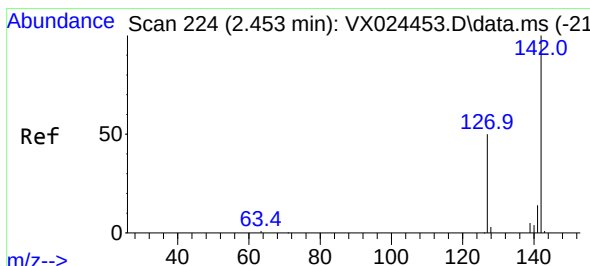
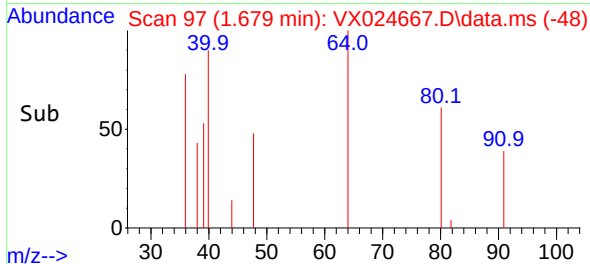
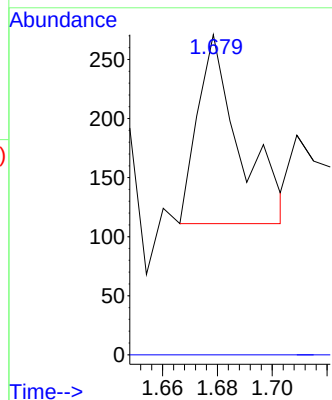
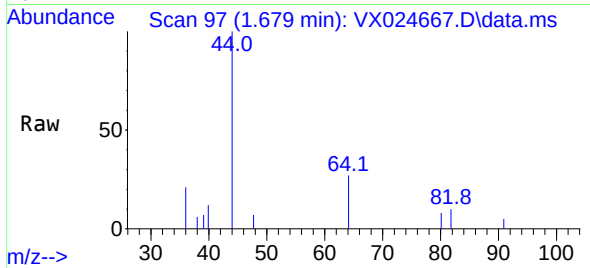




#6  
Chloroethane  
Concen: 0.429 ug/l  
RT: 1.679 min Scan# 97  
Delta R.T. -0.000 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

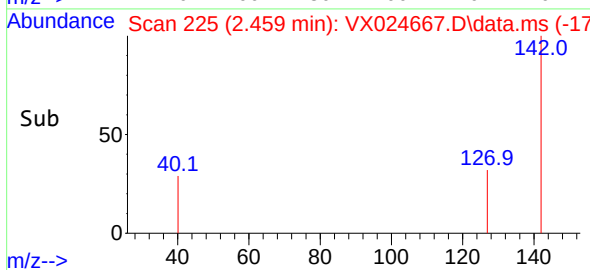
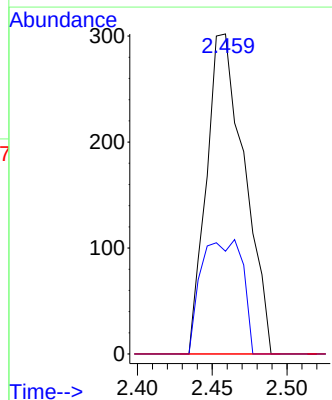
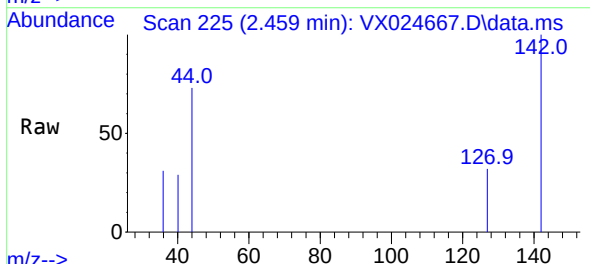
Instrument :  
MSVOA\_X  
ClientSampled :

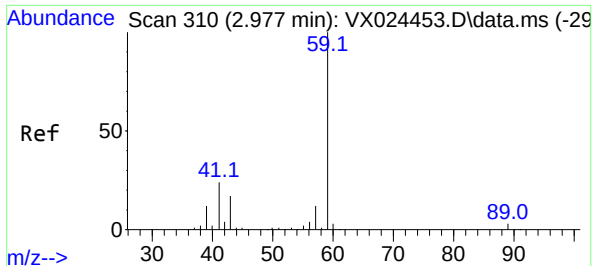
Tgt Ion: 64 Resp: 170  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



#10  
Methyl Iodide  
Concen: 0.257 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Tgt Ion: 142 Resp: 533  
Ion Ratio Lower Upper  
142 100  
127 38.8 33.3 49.9  
141 0.0 11.4 17.0#



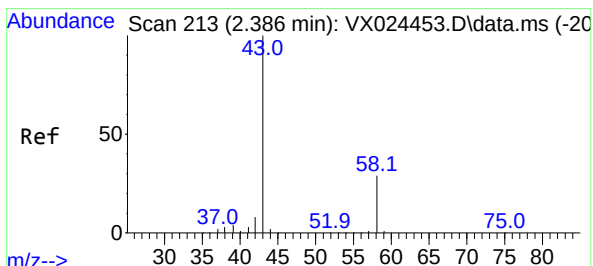
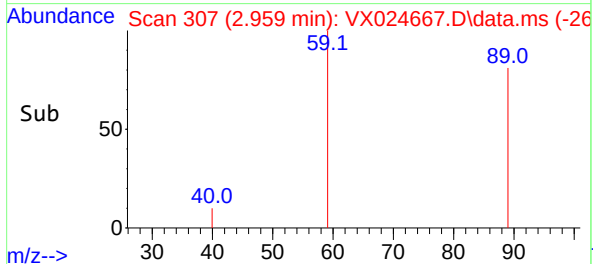
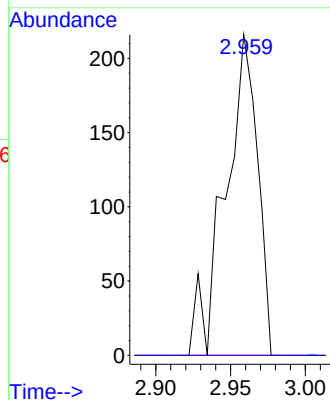
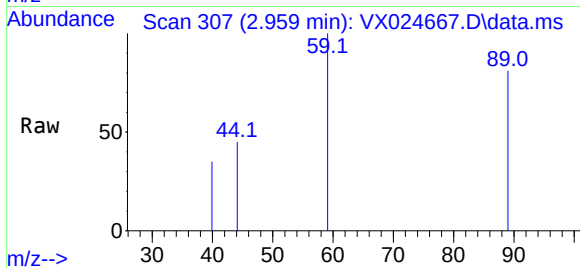


#11

Tert butyl alcohol  
Concen: Below Cal  
RT: 2.959 min Scan# 307  
Delta R.T. -0.018 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Instrument :  
MSVOA\_X  
ClientSampled :

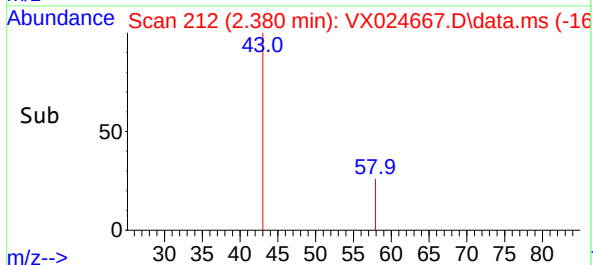
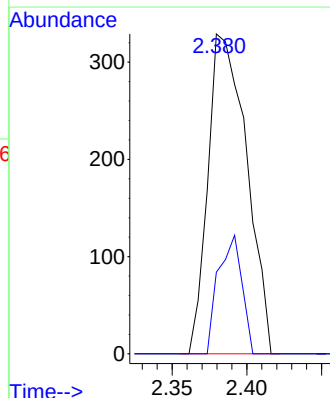
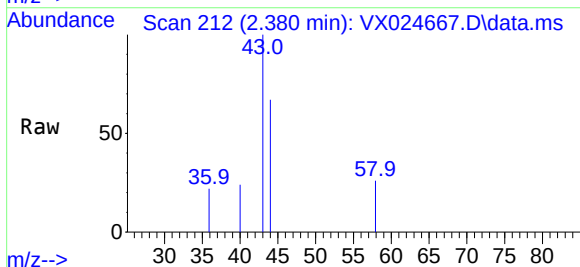
Tgt Ion: 59 Resp: 325  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

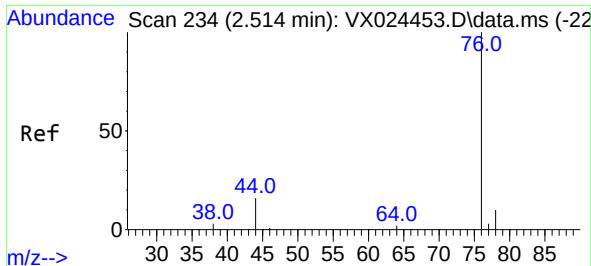


#16

Acetone  
Concen: Below Cal  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Tgt Ion: 43 Resp: 591  
Ion Ratio Lower Upper  
43 100  
58 25.5 27.8 41.8#

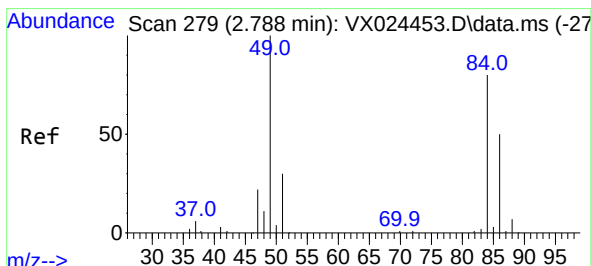
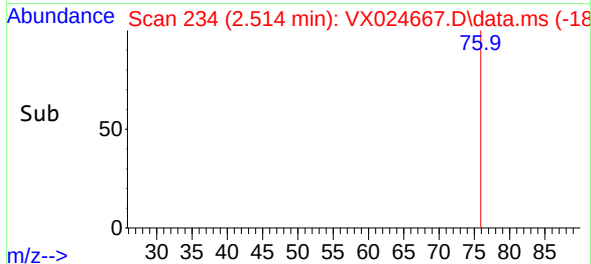
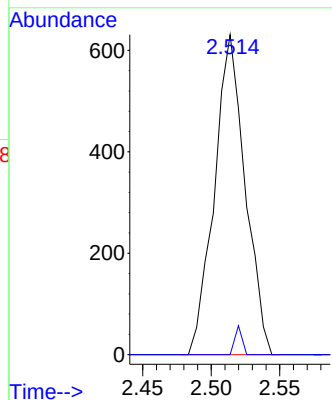
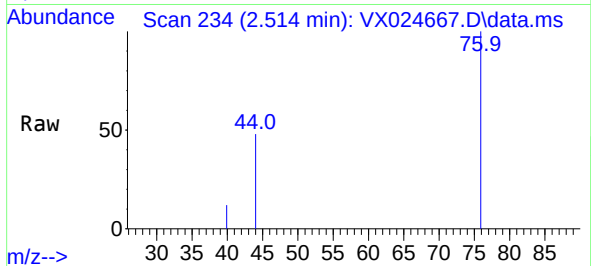




#17  
Carbon Disulfide  
Concen: 0.504 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

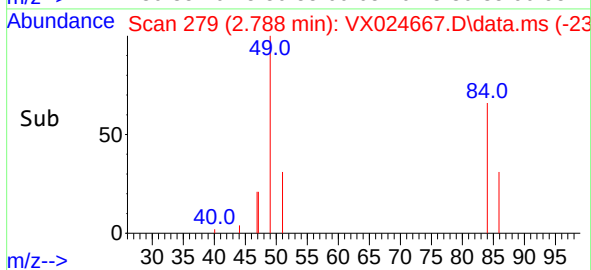
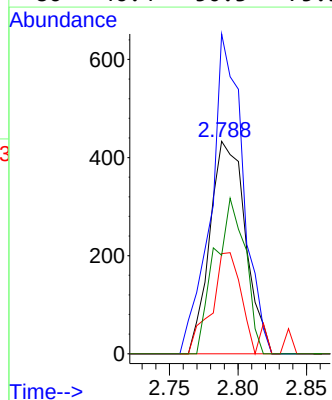
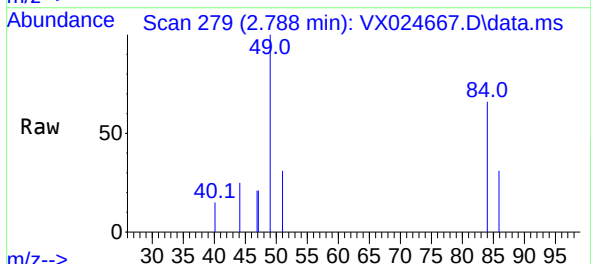
Instrument :  
MSVOA\_X  
ClientSampled :

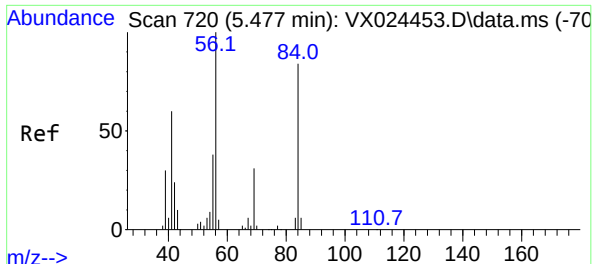
Tgt Ion: 76 Resp: 985  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

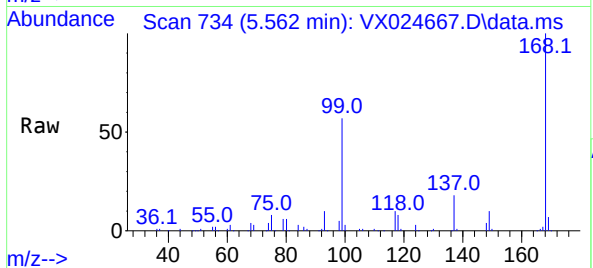
Tgt Ion: 84 Resp: 782  
Ion Ratio Lower Upper  
84 100  
49 150.6 88.6 132.8#  
51 47.1 27.0 40.6#  
86 46.4 50.3 75.5#



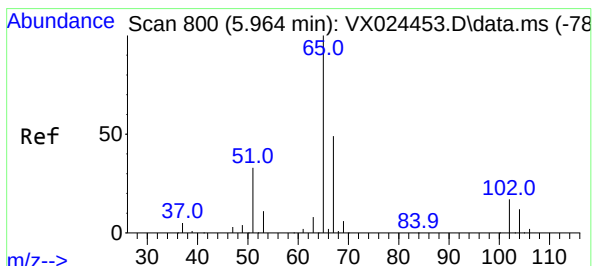
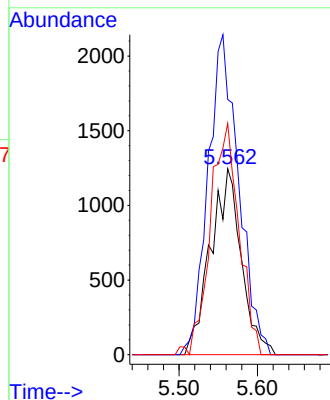
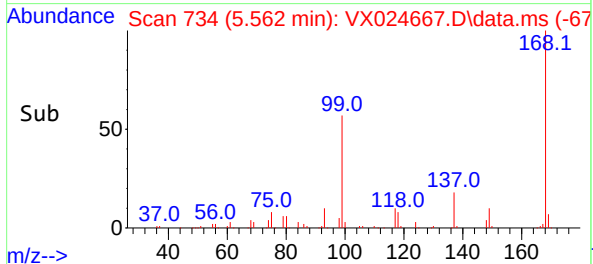


#31  
Cyclohexane  
Concen: 1.339 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

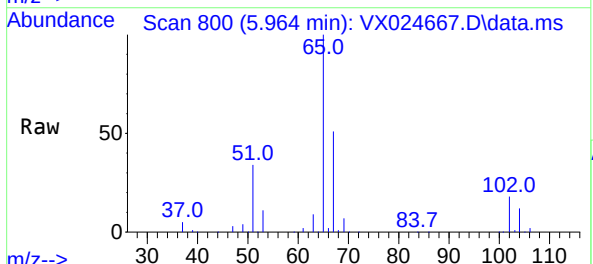
Instrument :  
MSVOA\_X  
ClientSampled :



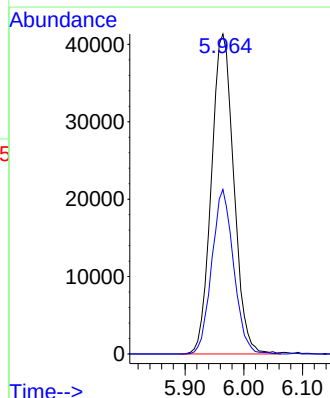
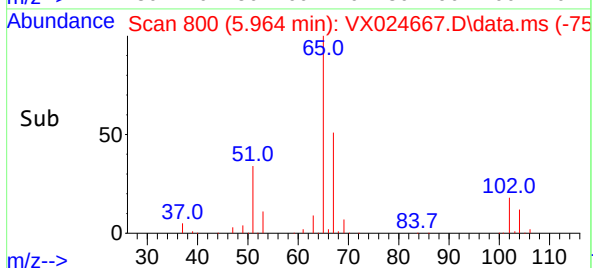
Tgt Ion: 56 Resp: 3397  
Ion Ratio Lower Upper  
56 100  
69 137.3 25.3 37.9#  
84 124.3 71.4 107.0#

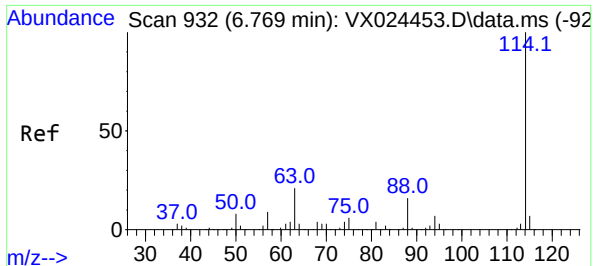


#33  
1,2-Dichloroethane-d4  
Concen: 51.758 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17



Tgt Ion: 65 Resp: 109647  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 105.4

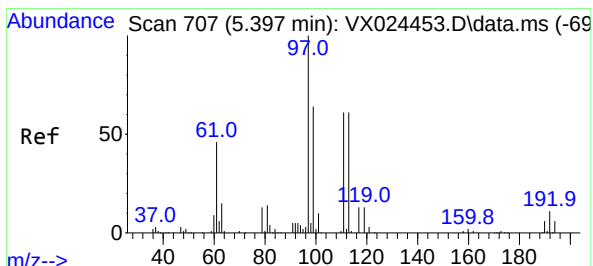
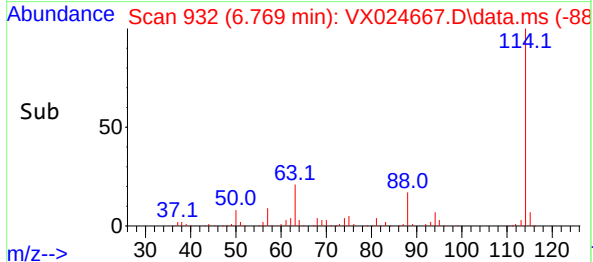
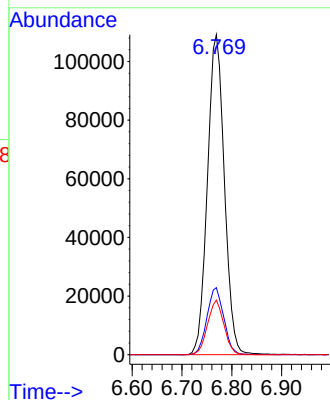
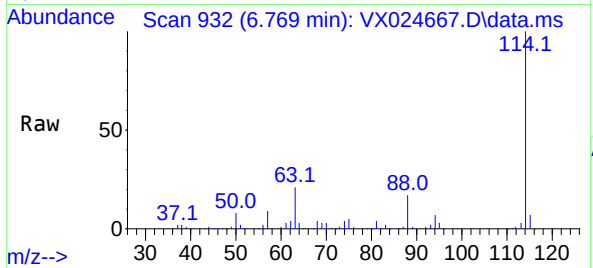




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

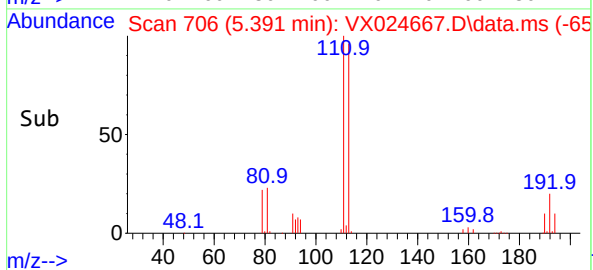
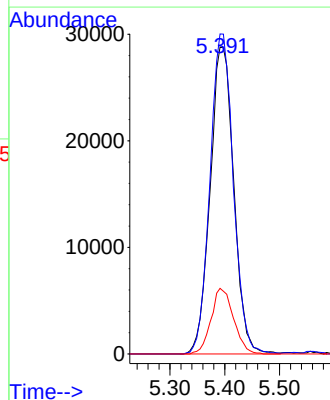
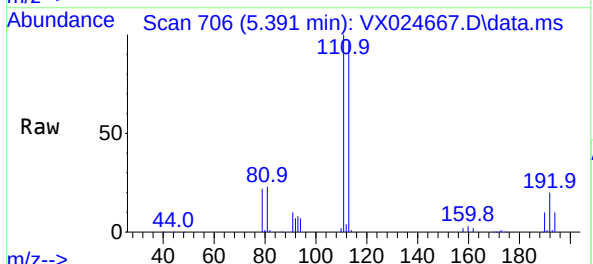
Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:114 Resp: 257678  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 40.8  
88 17.0 0.0 32.8

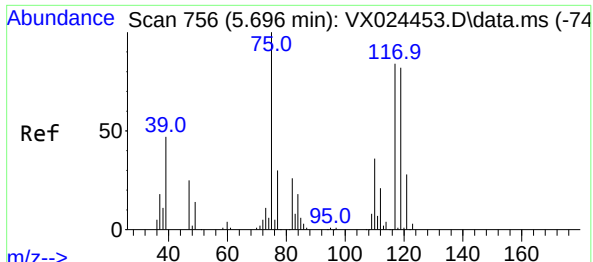


#35  
Dibromofluoromethane  
Concen: 50.363 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Tgt Ion:113 Resp: 86212  
Ion Ratio Lower Upper  
113 100  
111 103.0 81.9 122.9  
192 20.3 16.7 25.1





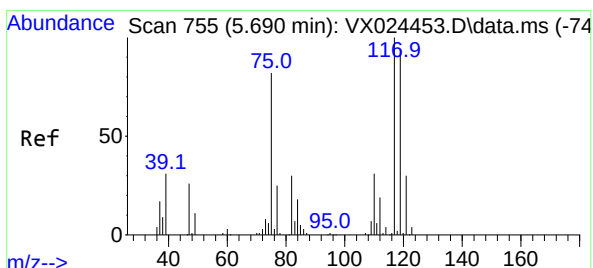
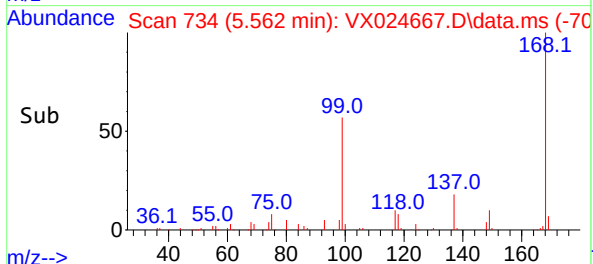
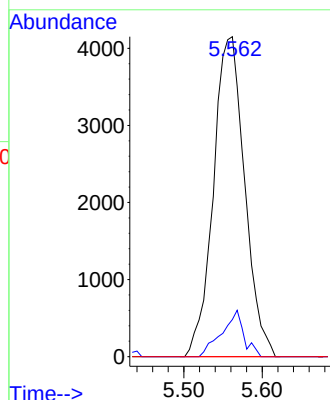
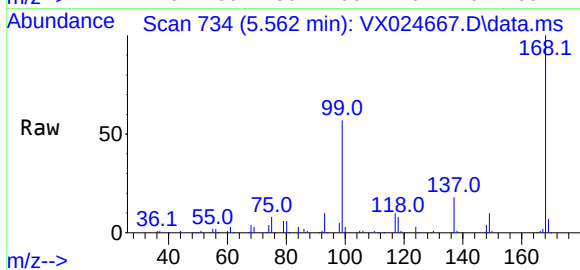


#36

1,1-Dichloropropene  
Concen: 4.665 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.134 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Instrument :  
MSVOA\_X  
ClientSampleId :

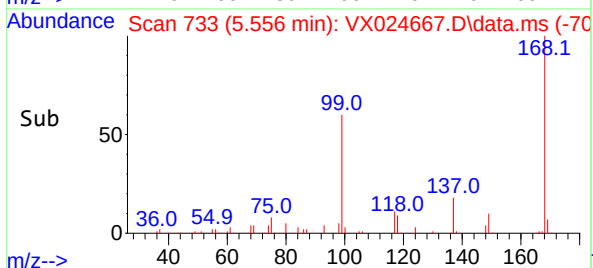
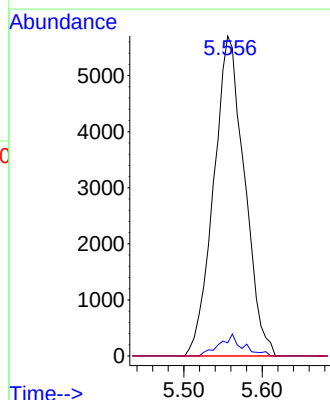
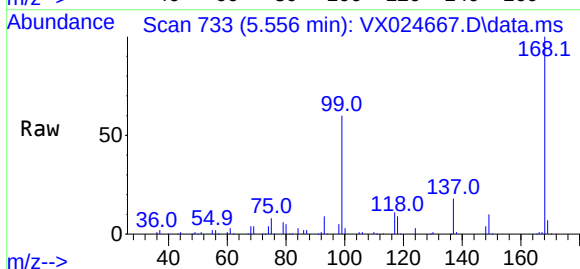
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Ion Ratio Lower Upper  
75 100  
110 10.3 18.1 54.4#  
77 0.0 25.3 37.9#

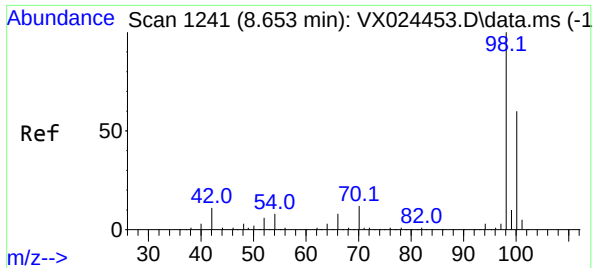


#38

Carbon Tetrachloride  
Concen: 5.794 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Tgt Ion:117 Resp: 15580  
Ion Ratio Lower Upper  
117 100  
119 4.1 76.2 114.2#  
121 0.0 24.8 37.2#

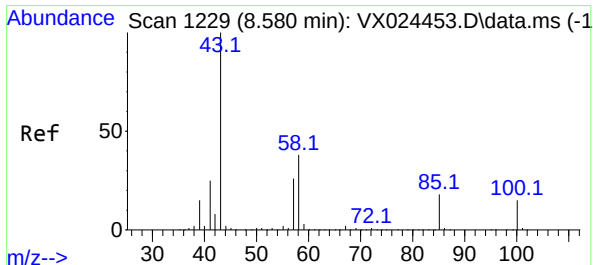
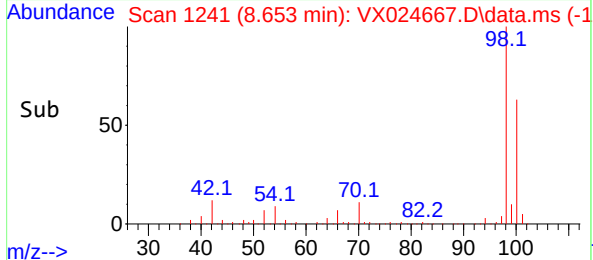
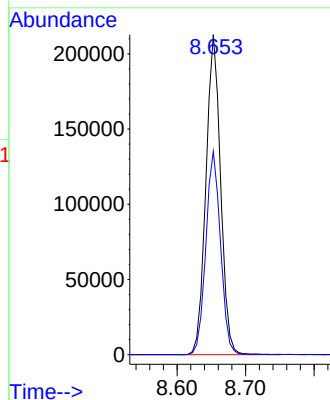
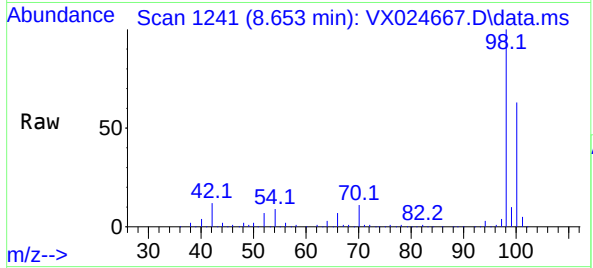




#50  
Toluene-d8  
Concen: 50.356 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

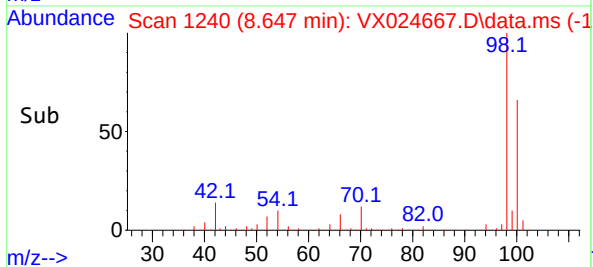
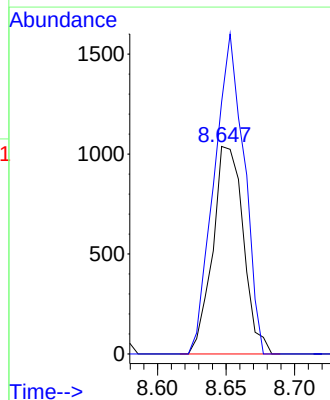
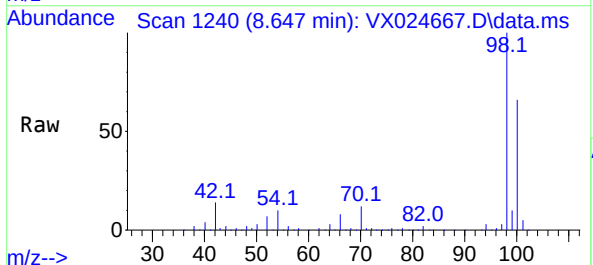
Instrument :  
MSVOA\_X  
ClientSampled :

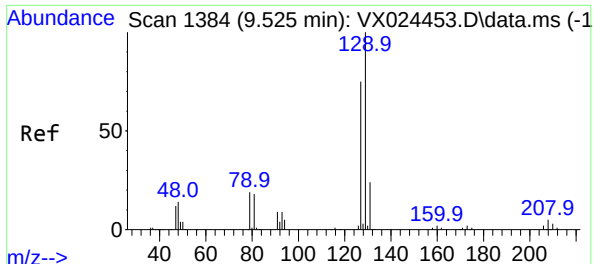
Tgt Ion: 98 Resp: 317264  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.521 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.067 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Tgt Ion: 43 Resp: 1614  
Ion Ratio Lower Upper  
43 100  
58 150.7 35.4 53.0#





#60

Dibromochloromethane

Concen: 1.232 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX024667.D

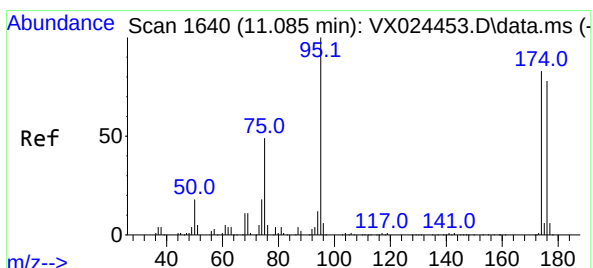
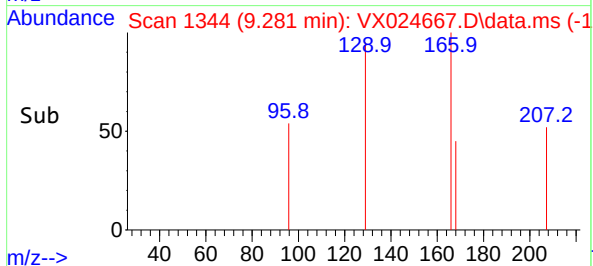
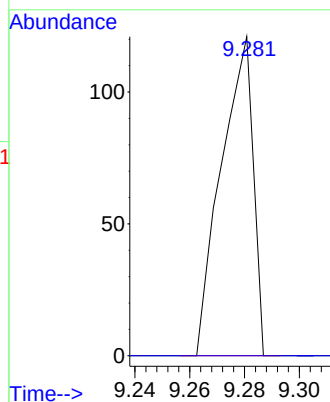
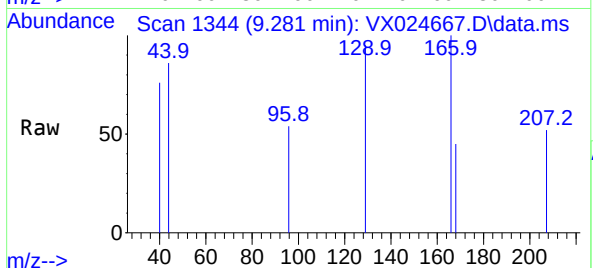
Acq: 08 Oct 2021 13:17

Tgt Ion:129 Resp: 98

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 50.291 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024667.D

Acq: 08 Oct 2021 13:17

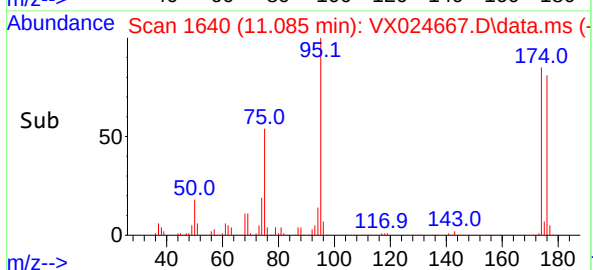
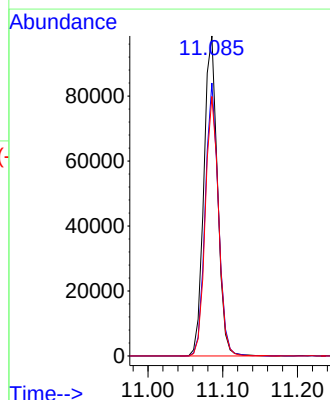
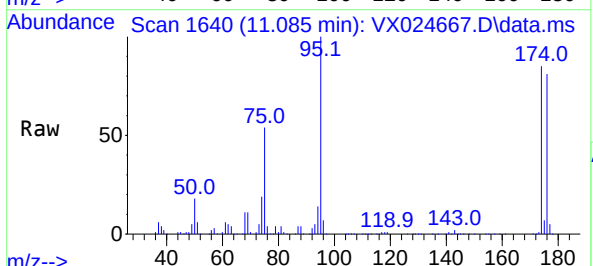
Tgt Ion: 95 Resp: 124581

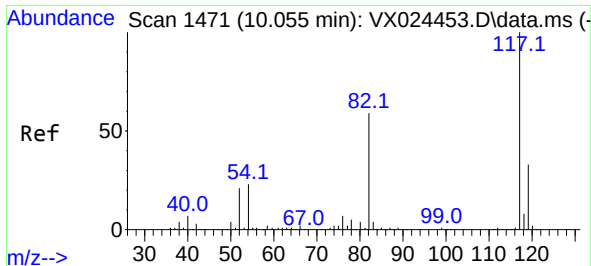
Ion Ratio Lower Upper

95 100

174 82.4 0.0 154.6

176 79.1 0.0 155.8

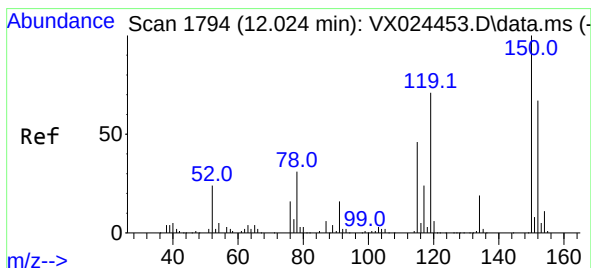
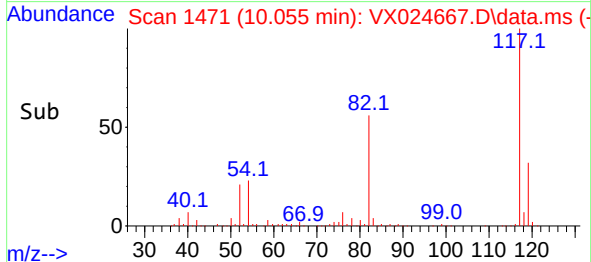
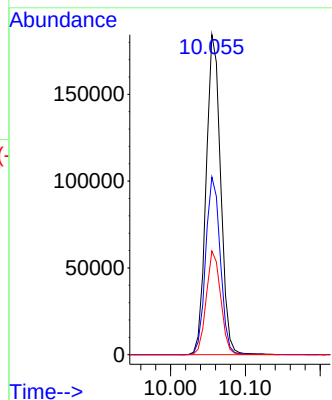
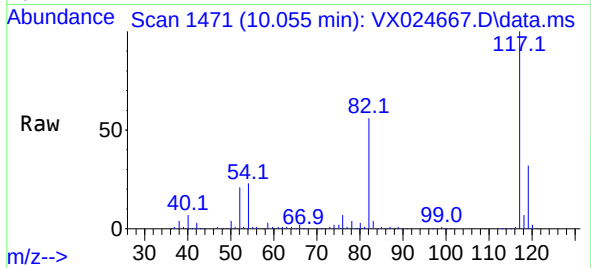




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

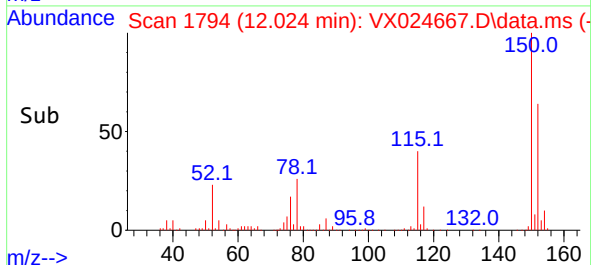
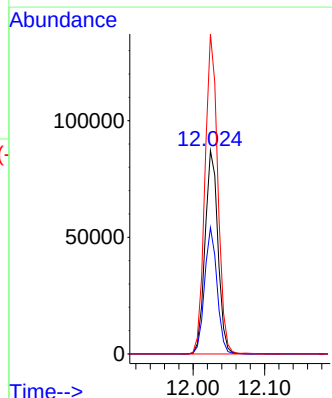
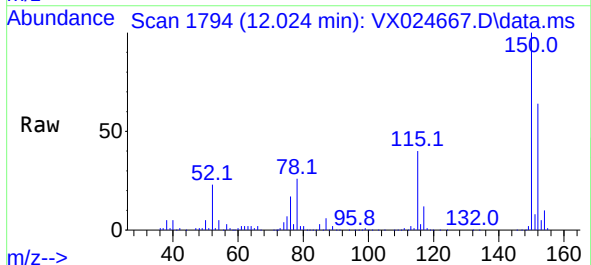
Instrument :  
MSVOA\_X  
ClientSampled :

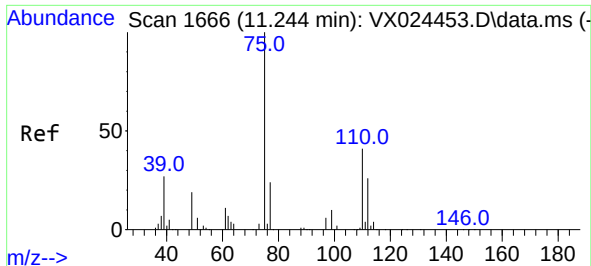
Tgt Ion:117 Resp: 248430  
Ion Ratio Lower Upper  
117 100  
82 55.5 47.4 71.2  
119 32.4 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Tgt Ion:152 Resp: 109474  
Ion Ratio Lower Upper  
152 100  
115 60.0 41.1 123.3  
150 156.5 0.0 349.0

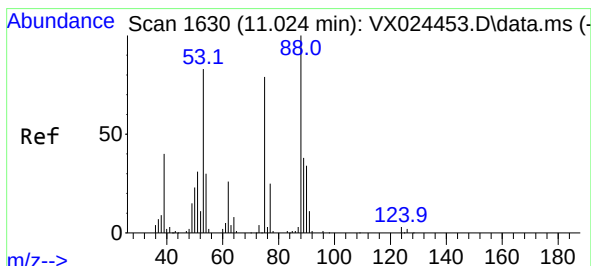
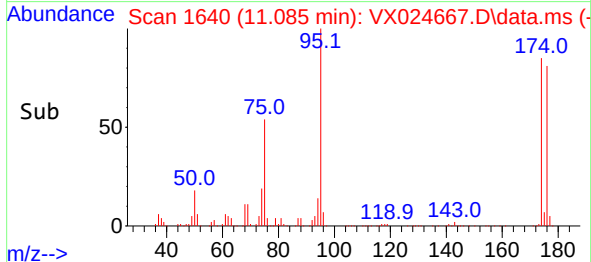
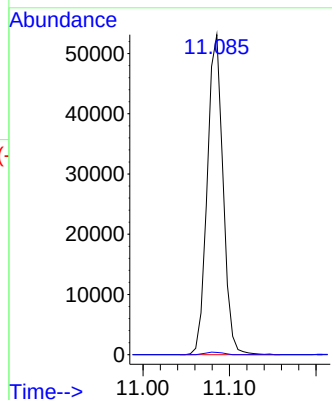
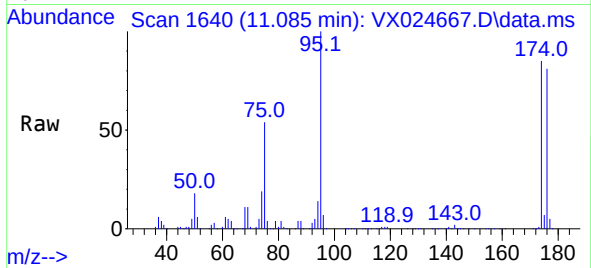




#76  
1,2,3-Trichloropropane  
Concen: 27.034 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 67208  
Ion Ratio Lower Upper  
75 100  
77 0.9 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.562 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX024667.D  
Acq: 08 Oct 2021 13:17

Tgt Ion: 75 Resp: 67208  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

