

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121421\  
 Data File : VX025794.D  
 Acq On : 14 Dec 2021 22:47  
 Operator : JC/MD  
 Sample : VX1214WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 15 07:11:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 14 07:02:11 2021  
 Response via : Initial Calibration

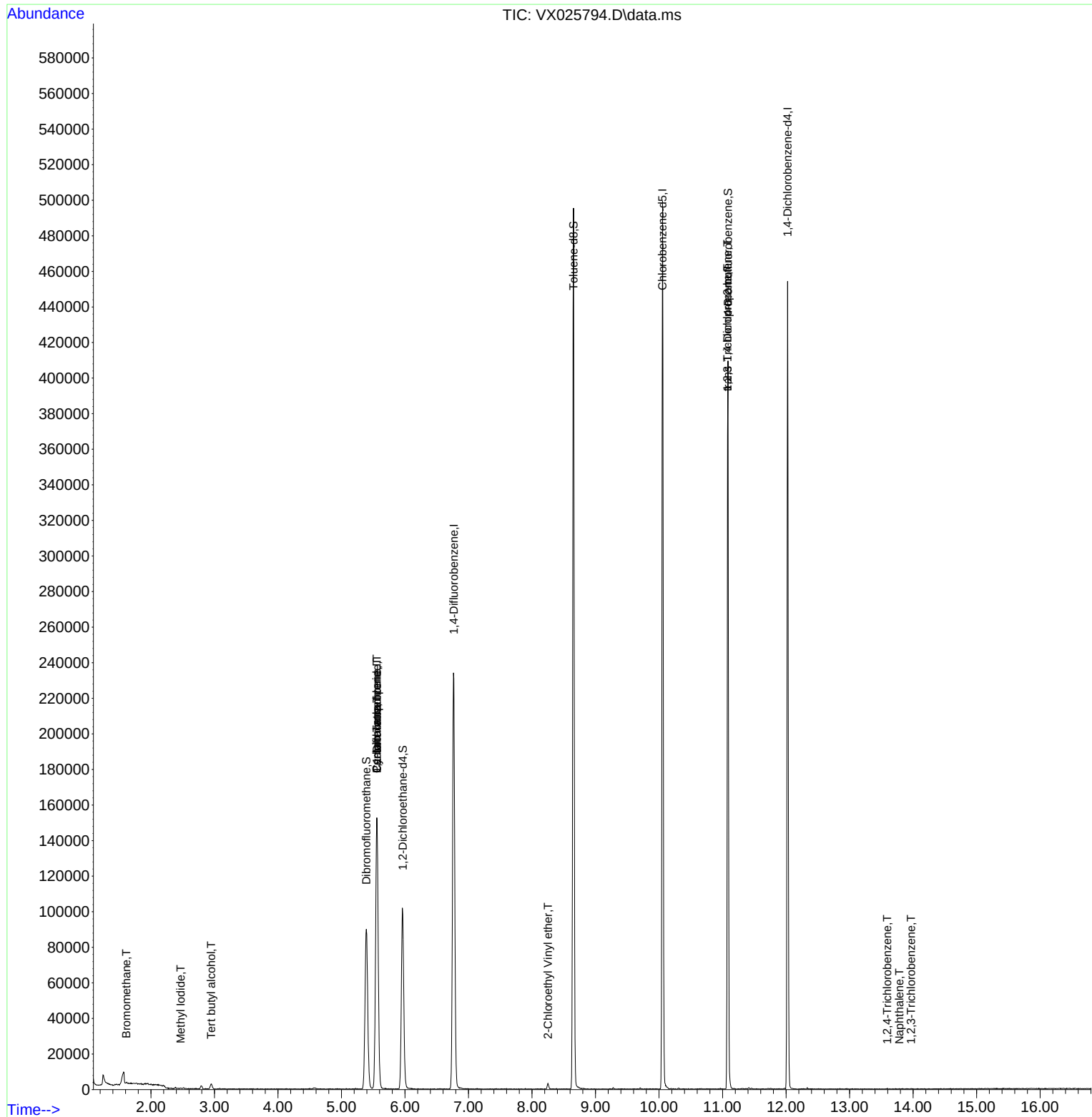
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 144051   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 246591   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 220138   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 92748    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 94461    | 45.575    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 91.160%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 79395    | 46.167    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 92.340%  |
| 50) Toluene-d8                | 8.653  | 98    | 284596   | 45.419    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 90.840%# |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 107820   | 45.299    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 90.600%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.611  | 94    | 299      | 0.235     | ug/l # | 56       |
| 10) Methyl Iodide             | 2.465  | 142   | 566      | 0.290     | ug/l # | 65       |
| 11) Tert butyl alcohol        | 2.946  | 59    | 1690     | 4.065     | ug/l # | 73       |
| 16) Acetone                   | 2.379  | 43    | 585      | Below Cal | #      | 87       |
| 20) Methylene Chloride        | 2.788  | 84    | 781      | Below Cal | #      | 74       |
| 31) Cyclohexane               | 5.556  | 56    | 3294     | 1.307     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 11067    | 4.745     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 14669    | 5.406     | ug/l # | 15       |
| 58) 2-Chloroethyl Vinyl ether | 8.250  | 63    | 1287     | 16.541    | ug/l   | 92       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 54465    | 25.630    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 54465    | 79.461    | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 125      | 3.433     | ug/l # | 68       |
| 95) Naphthalene               | 13.786 | 128   | 258      | 2.450     | ug/l # | 79       |
| 96) 1,2,3-Trichlorobenzene    | 13.969 | 180   | 29       | 3.008     | ug/l # | 1        |
| -----                         |        |       |          |           |        |          |

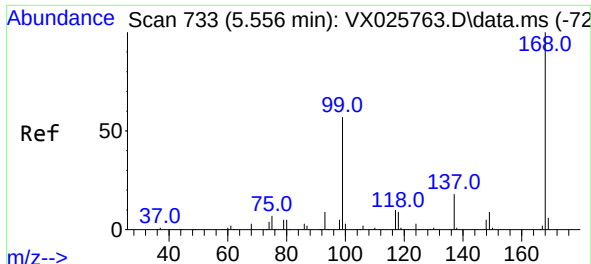
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121421\  
Data File : VX025794.D  
Acq On : 14 Dec 2021 22:47  
Operator : JC/MD  
Sample : VX1214WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

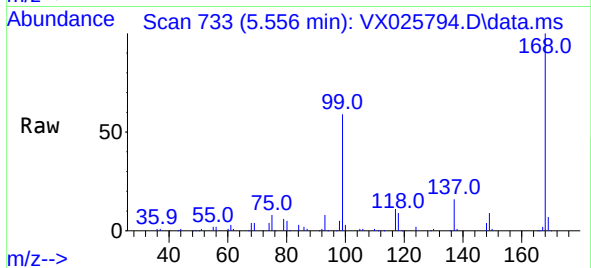
Quant Time: Dec 15 07:11:33 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 14 07:02:11 2021  
Response via : Initial Calibration



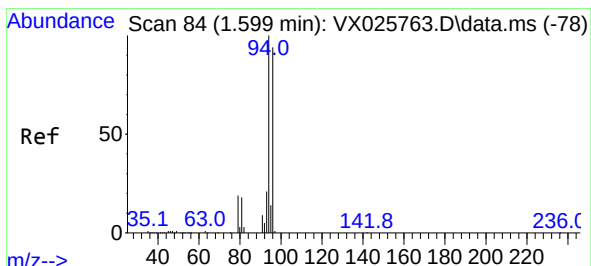
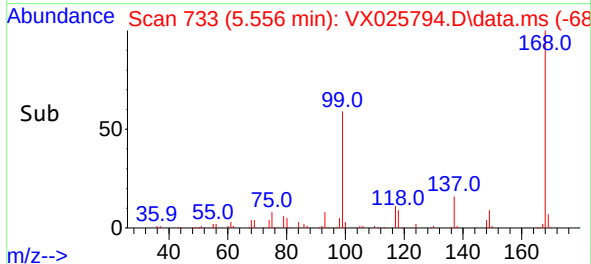
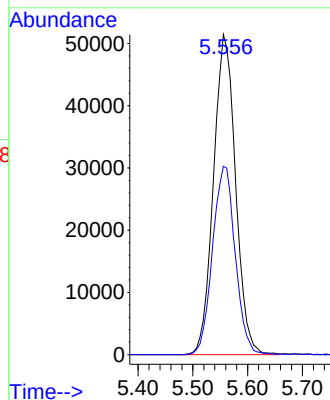


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Instrument :  
MSVOA\_X  
ClientSampleId :

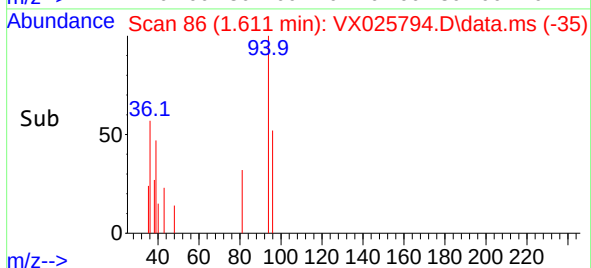
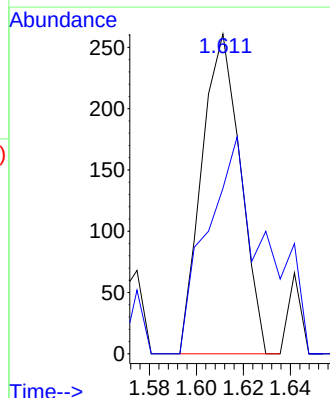
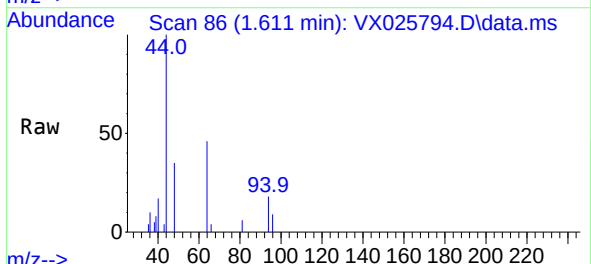


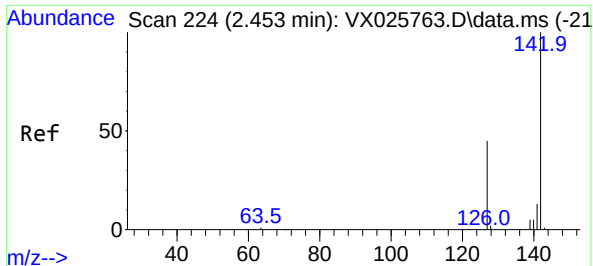
Tgt Ion:168 Resp: 144051  
Ion Ratio Lower Upper  
168 100  
99 58.9 45.8 68.8



#5  
Bromomethane  
Concen: 0.235 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

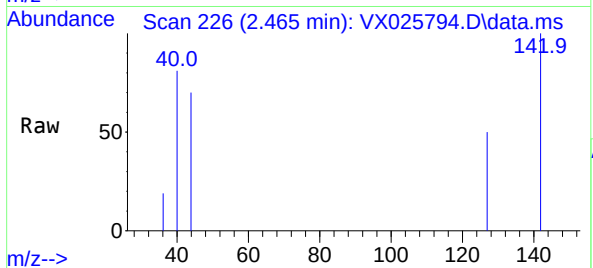
Tgt Ion: 94 Resp: 299  
Ion Ratio Lower Upper  
94 100  
96 51.7 75.0 112.4#



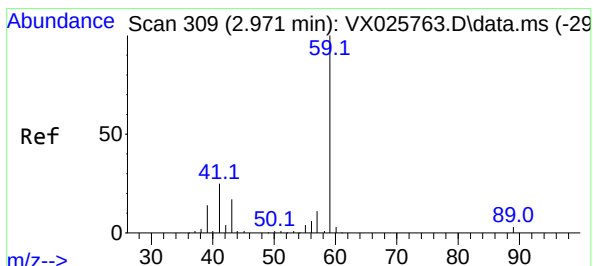
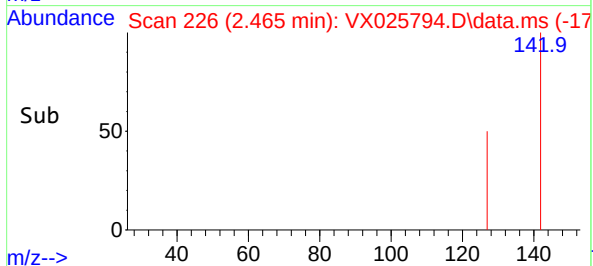
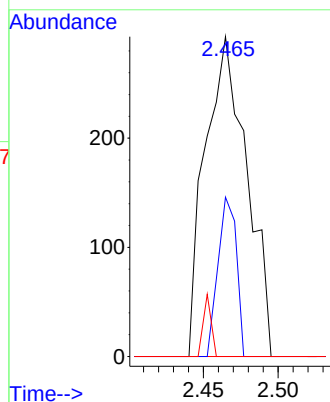


#10  
Methyl Iodide  
Concen: 0.290 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Instrument :  
MSVOA\_X  
ClientSampleId :

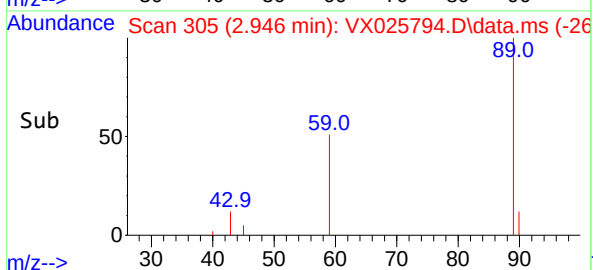
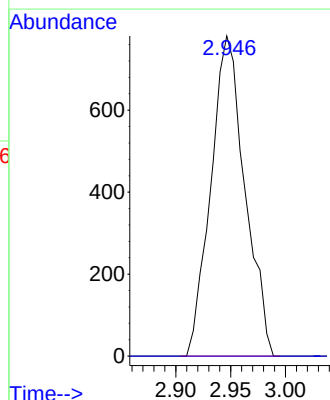
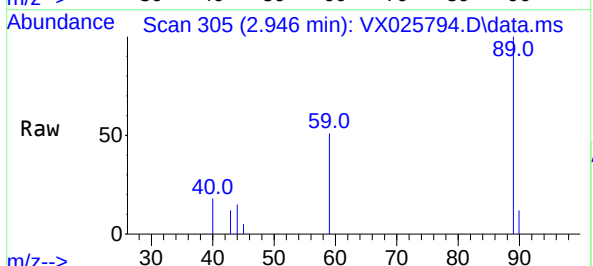


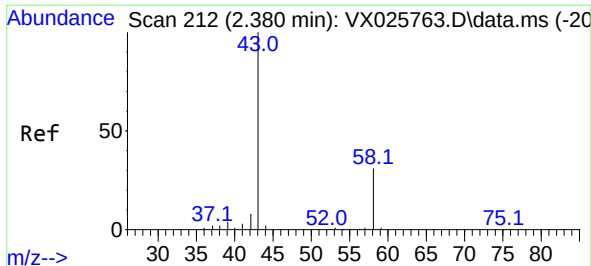
Tgt Ion:142 Resp: 566  
Ion Ratio Lower Upper  
142 100  
127 22.1 37.5 56.3#  
141 3.7 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 4.065 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.025 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Tgt Ion: 59 Resp: 1690  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

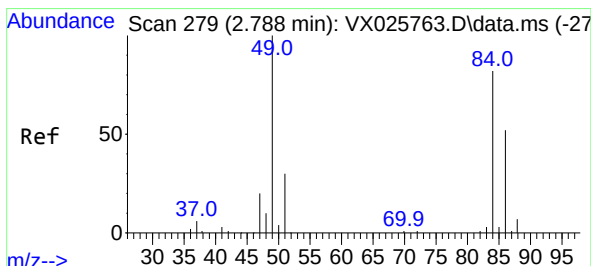
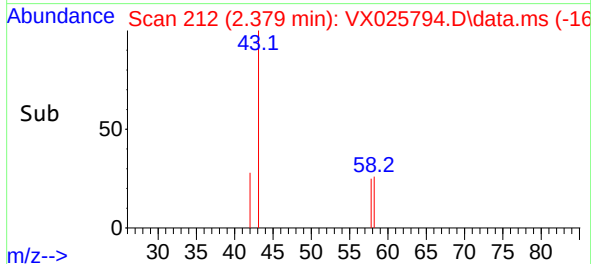
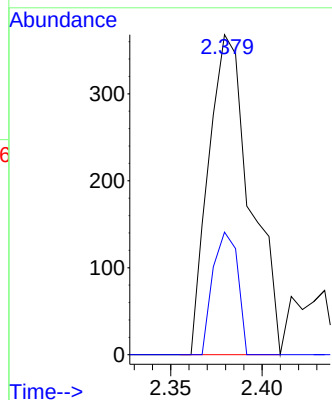
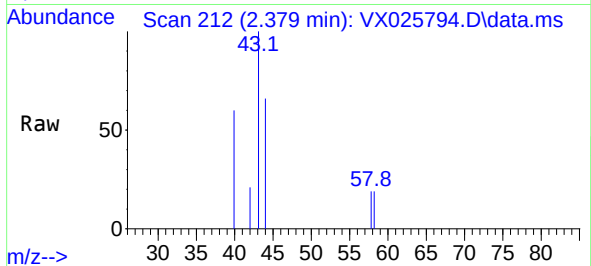




#16  
Acetone  
Concen: Below Cal  
RT: 2.379 min Scan# 212  
Delta R.T. -0.001 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

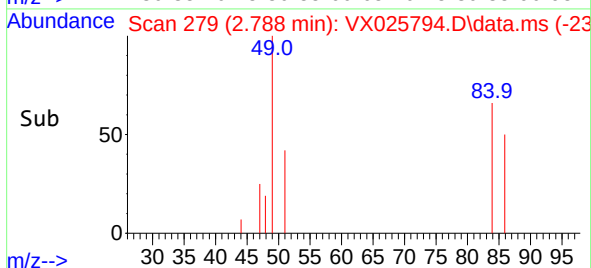
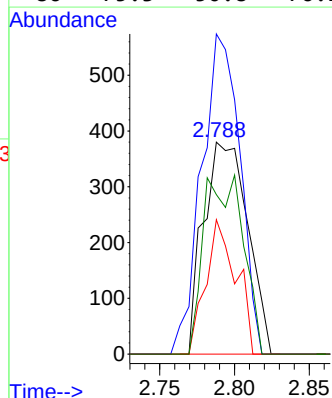
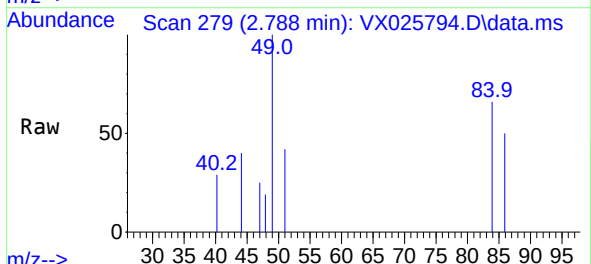
Instrument :  
MSVOA\_X  
ClientSampleId :

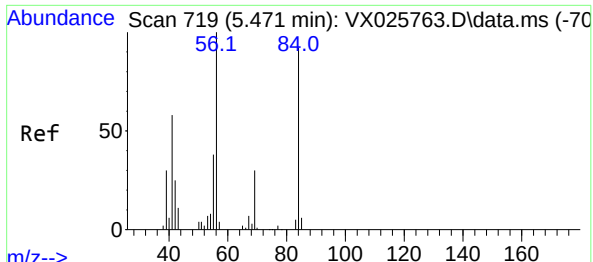
Tgt Ion: 43 Resp: 585  
Ion Ratio Lower Upper  
43 100  
58 38.3 24.8 37.2#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

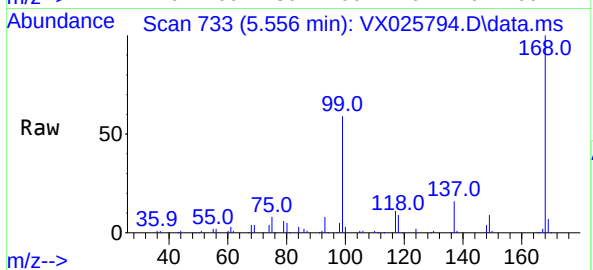
Tgt Ion: 84 Resp: 781  
Ion Ratio Lower Upper  
84 100  
49 151.1 97.1 145.7#  
51 63.4 29.3 43.9#  
86 75.3 50.8 76.2



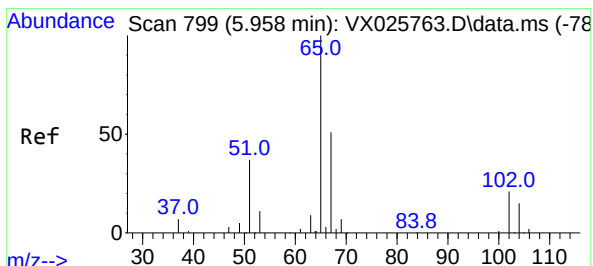
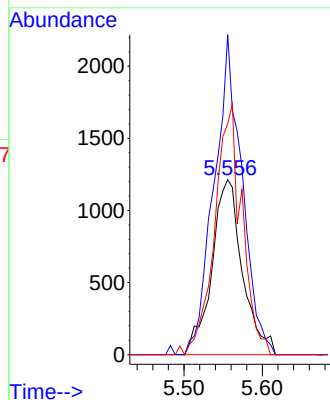
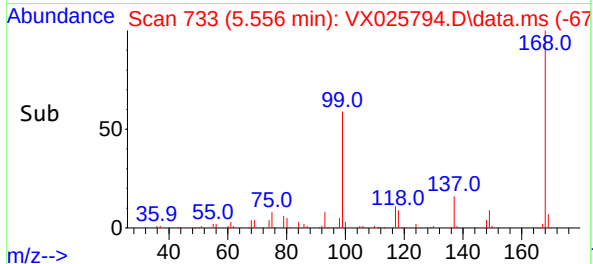


#31  
Cyclohexane  
Concen: 1.307 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Instrument :  
MSVOA\_X  
ClientSampleId :

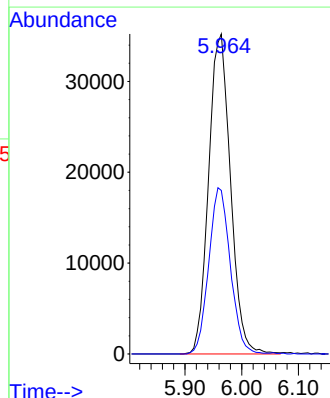
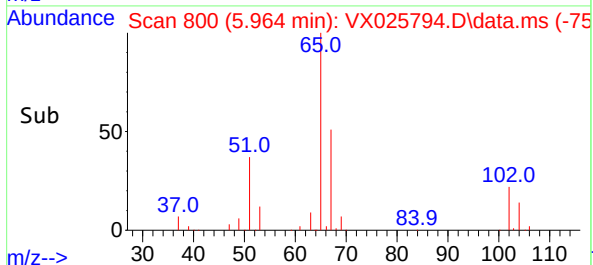
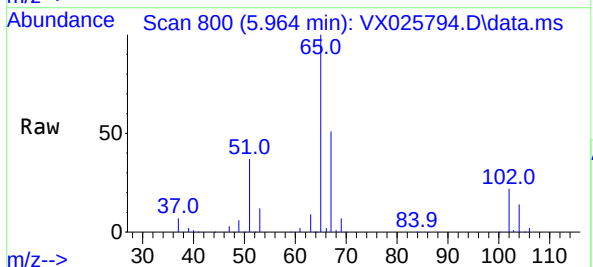


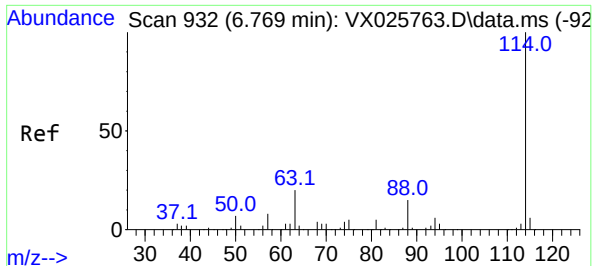
Tgt Ion: 56 Resp: 3294  
Ion Ratio Lower Upper  
56 100  
69 182.8 23.9 35.9#  
84 131.9 73.2 109.8#



#33  
1,2-Dichloroethane-d4  
Concen: 45.575 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

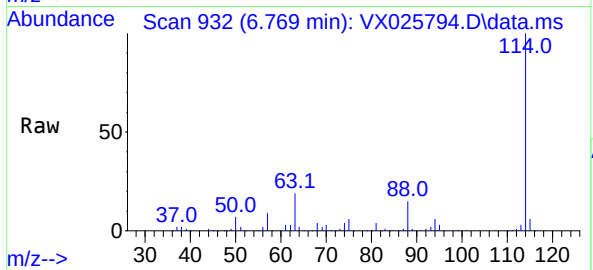
Tgt Ion: 65 Resp: 94461  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.4



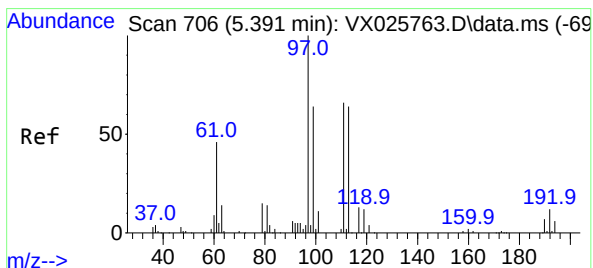
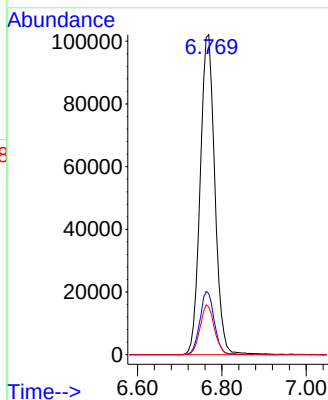
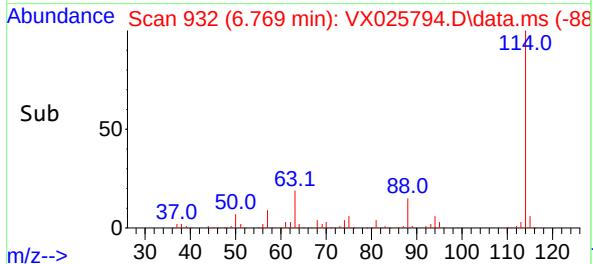


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Instrument :  
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ClientSampleId :

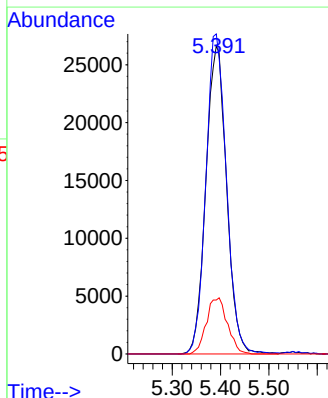
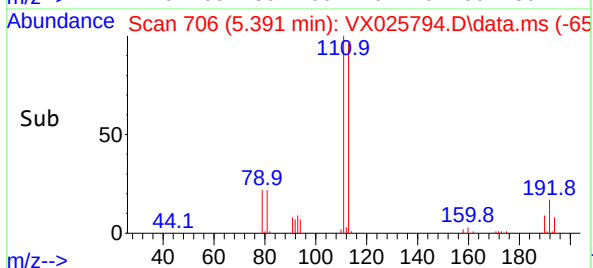
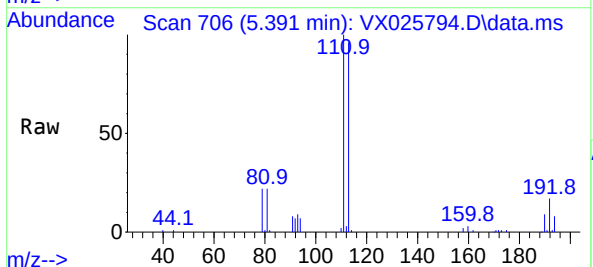


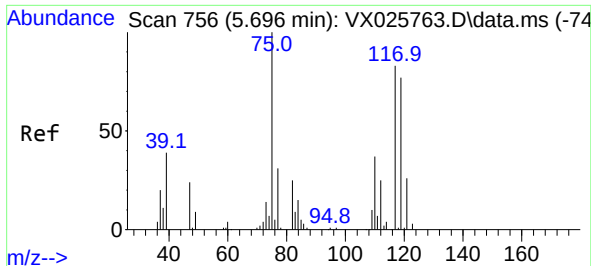
Tgt Ion:114 Resp: 246591  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 40.0  
88 14.9 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 46.167 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

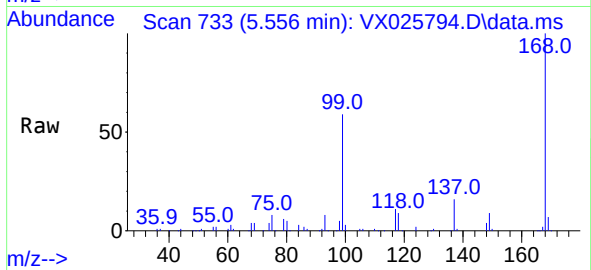
Tgt Ion:113 Resp: 79395  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.8 122.8  
192 18.5 15.0 22.4



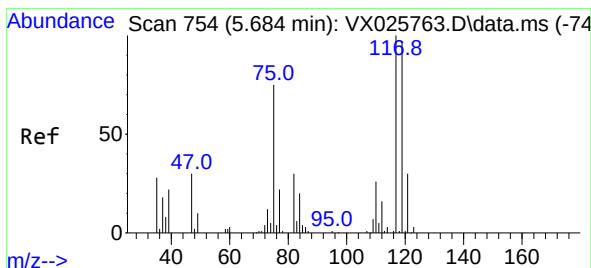
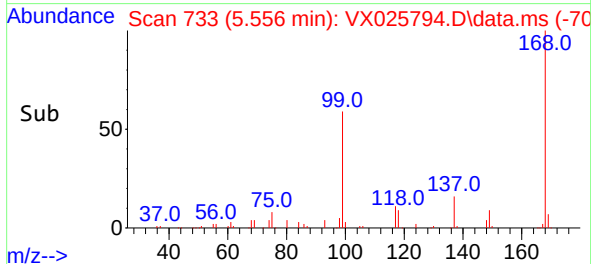
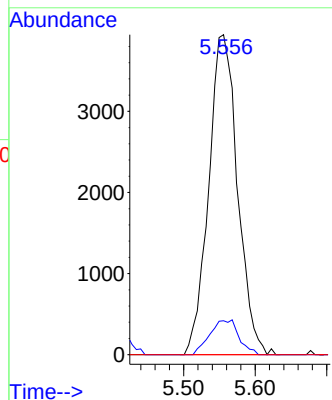


#36  
1,1-Dichloropropene  
Concen: 4.745 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.141 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Instrument :  
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ClientSampleId :

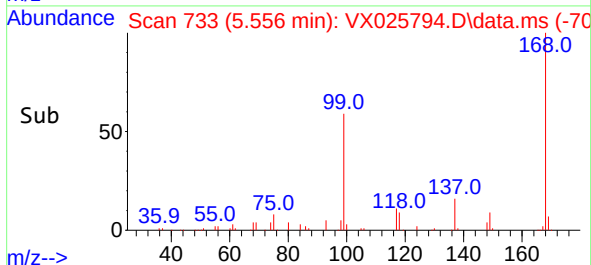
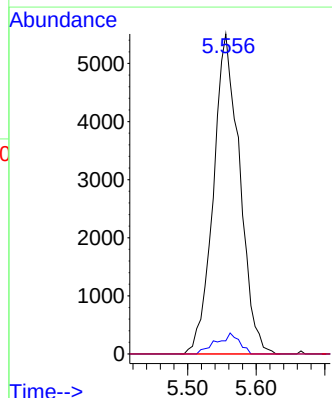
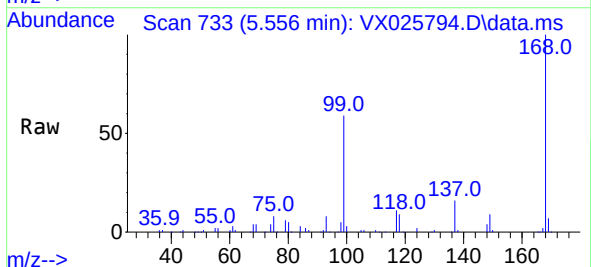


Tgt Ion: 75 Resp: 11067  
Ion Ratio Lower Upper  
75 100  
110 10.9 18.2 54.6#  
77 0.0 24.7 37.1#

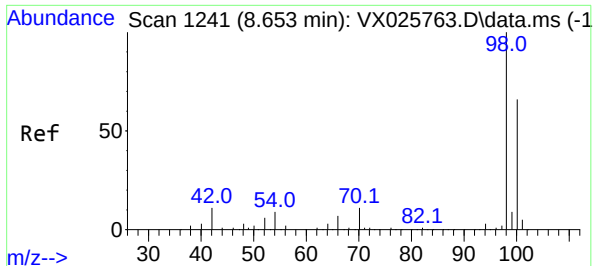


#38  
Carbon Tetrachloride  
Concen: 5.406 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Tgt Ion: 117 Resp: 14669  
Ion Ratio Lower Upper  
117 100  
119 4.1 77.2 115.8#  
121 0.0 23.8 35.8#







#50

Toluene-d8

Concen: 45.419 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025794.D

Acq: 14 Dec 2021 22:47

Instrument :

MSVOA\_X

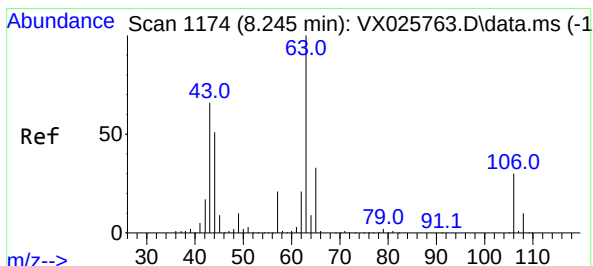
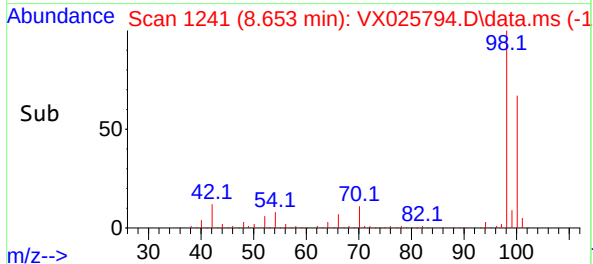
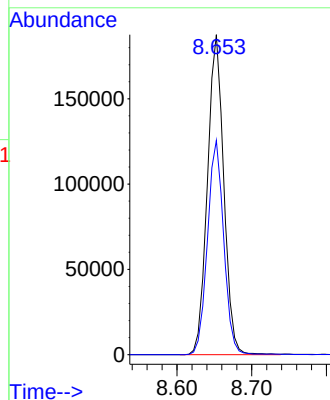
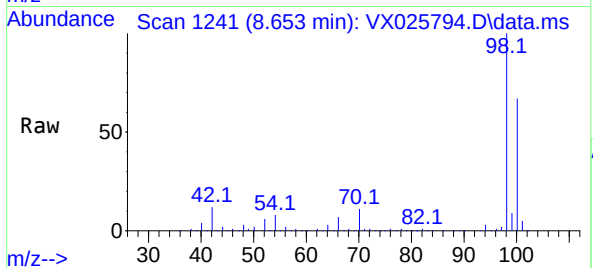
ClientSampleId :

Tgt Ion: 98 Resp: 284596

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8



#58

2-Chloroethyl Vinyl ether

Concen: 16.541 ug/l

RT: 8.250 min Scan# 1175

Delta R.T. 0.005 min

Lab File: VX025794.D

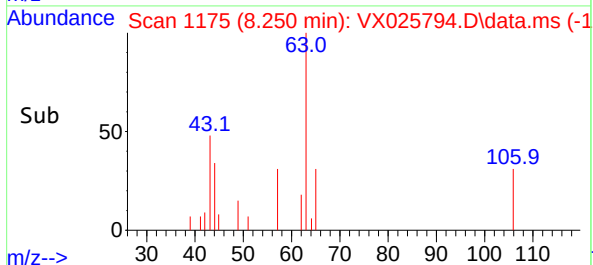
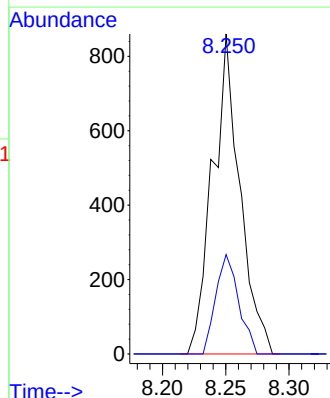
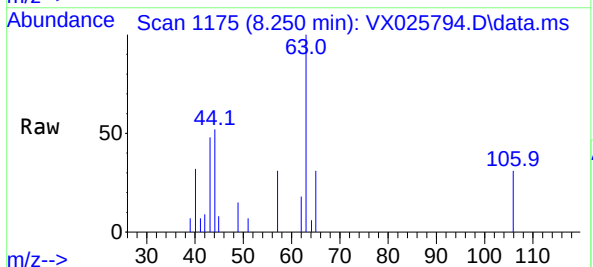
Acq: 14 Dec 2021 22:47

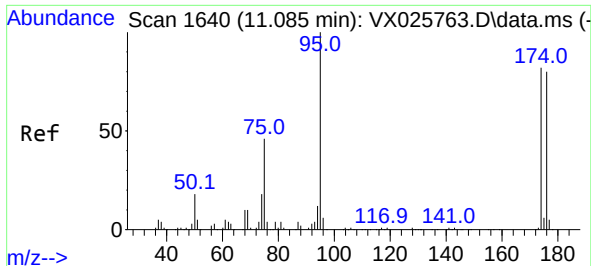
Tgt Ion: 63 Resp: 1287

Ion Ratio Lower Upper

63 100

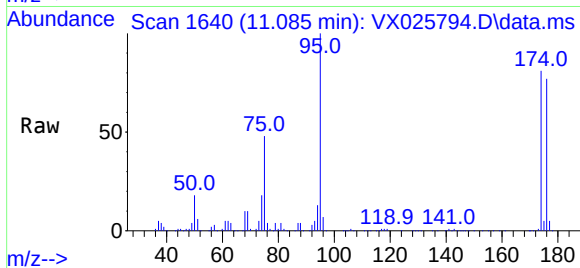
106 26.0 24.4 36.6



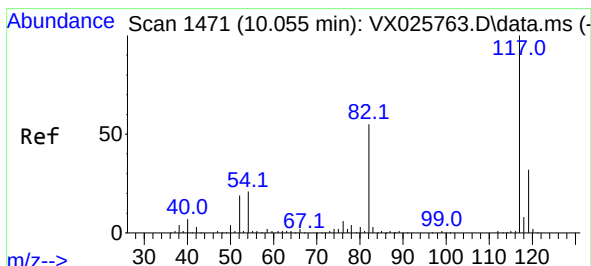
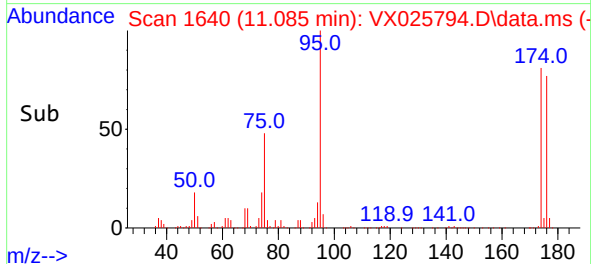
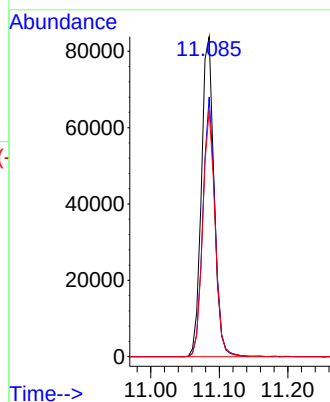


#62  
4-Bromofluorobenzene  
Concen: 45.299 ug/l  
RT: 11.085 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Instrument :  
MSVOA\_X  
ClientSampleId :

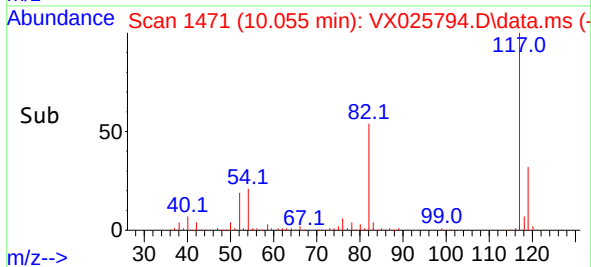
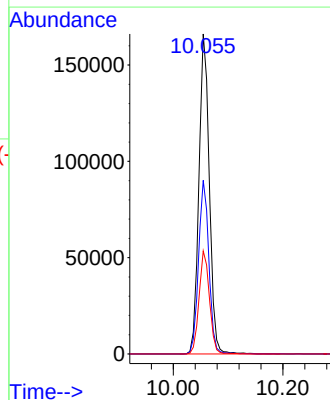
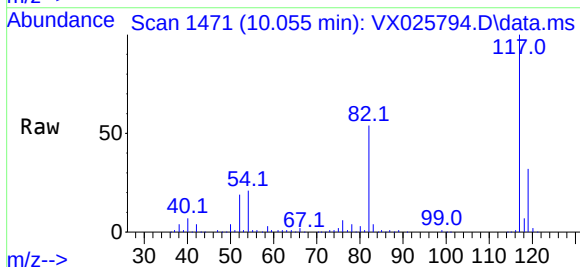


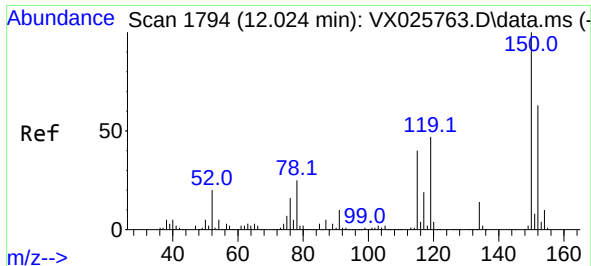
Tgt Ion: 95 Resp: 107820  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 157.4  
176 75.1 0.0 154.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

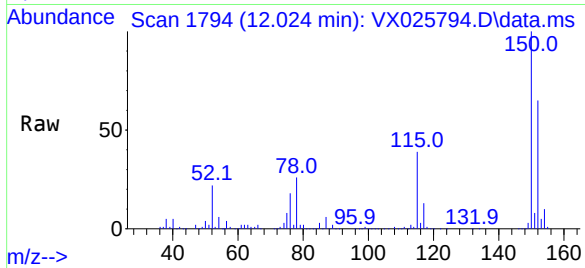
Tgt Ion: 117 Resp: 220138  
Ion Ratio Lower Upper  
117 100  
82 54.3 43.8 65.6  
119 32.2 25.2 37.8



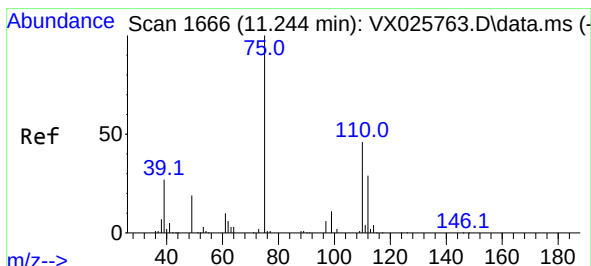
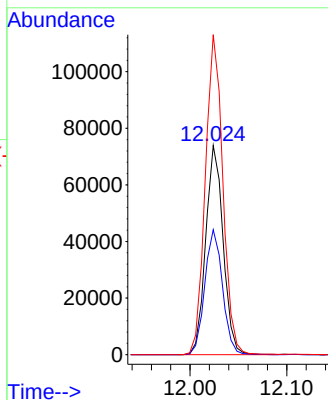
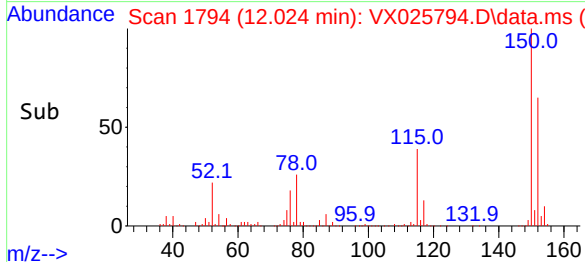


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

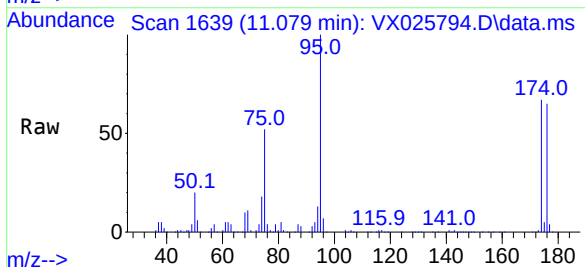
Instrument :  
MSVOA\_X  
ClientSampleId :



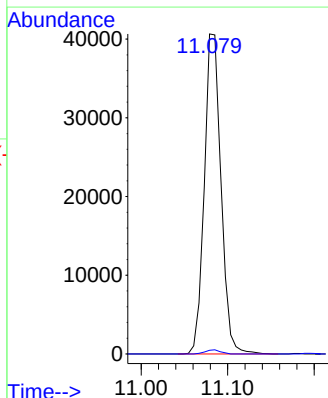
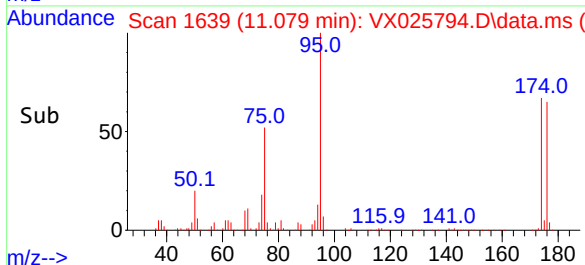
Tgt Ion:152 Resp: 92748  
Ion Ratio Lower Upper  
152 100  
115 60.8 41.3 123.9  
150 153.9 0.0 351.8

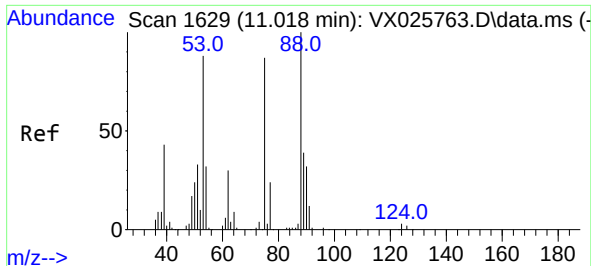


#76  
1,2,3-Trichloropropane  
Concen: 25.630 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47



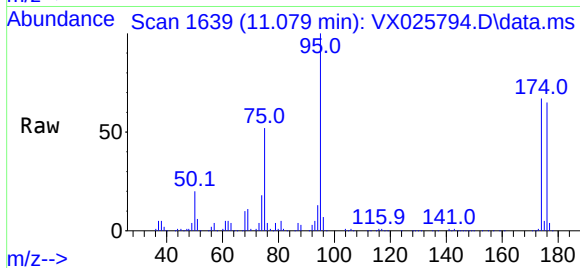
Tgt Ion: 75 Resp: 54465  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.0 57.0#



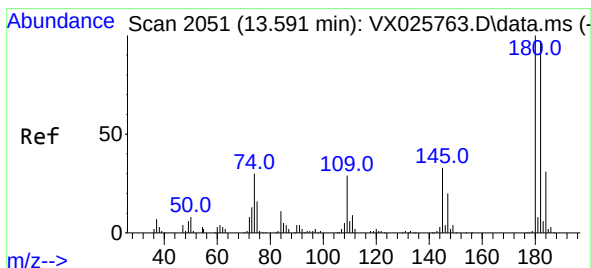
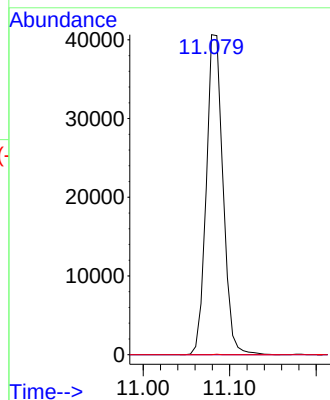
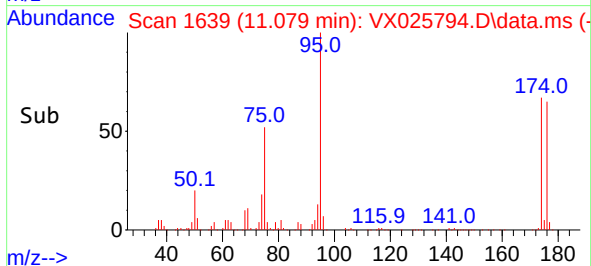


#81  
trans-1,4-Dichloro-2-butene  
Concen: 79.461 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

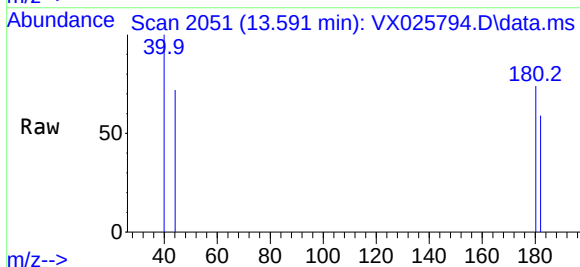
Instrument :  
MSVOA\_X  
ClientSampleId :



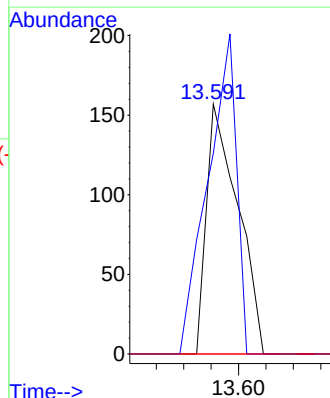
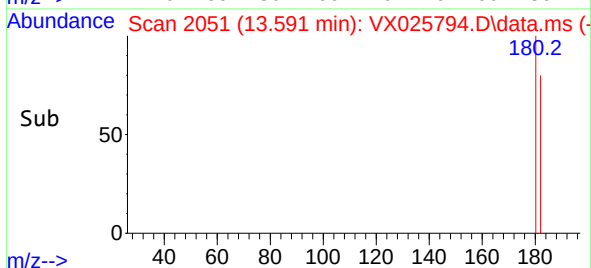
Tgt Ion: 75 Resp: 54465  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.5 119.3#  
89 0.0 38.3 57.5#

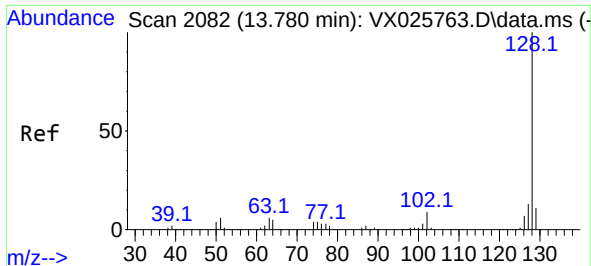


#93  
1,2,4-Trichlorobenzene  
Concen: 3.433 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. -0.000 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47



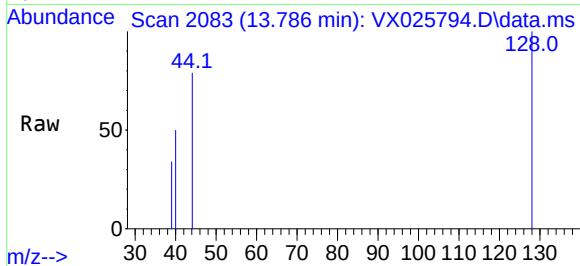
Tgt Ion:180 Resp: 125  
Ion Ratio Lower Upper  
180 100  
182 116.8 47.2 141.6  
145 0.0 16.3 48.9#



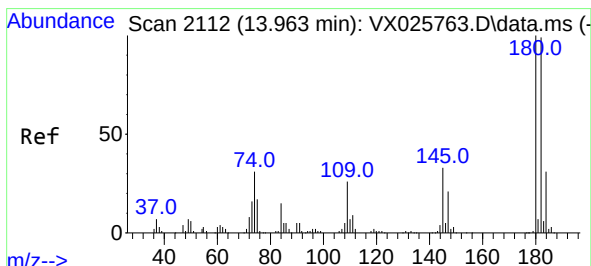
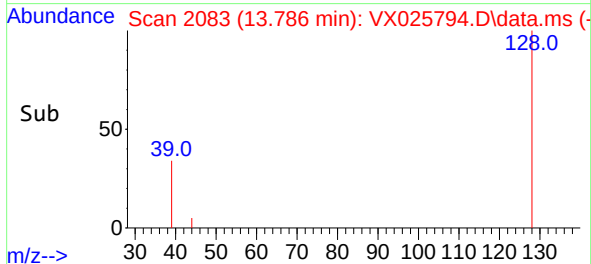
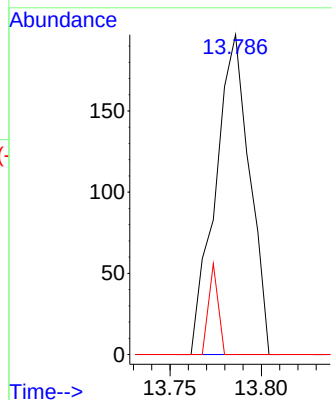


#95  
Naphthalene  
Concen: 2.450 ug/l  
RT: 13.786 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion:128 Resp: 258  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 7.8 8.8 13.2#



#96  
1,2,3-Trichlorobenzene  
Concen: 3.008 ug/l  
RT: 13.969 min Scan# 2113  
Delta R.T. 0.006 min  
Lab File: VX025794.D  
Acq: 14 Dec 2021 22:47

Tgt Ion:180 Resp: 29  
Ion Ratio Lower Upper  
180 100  
182 344.8 47.5 142.6#  
145 0.0 16.7 50.1#

