

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111522\  
 Data File : VX032822.D  
 Acq On : 15 Nov 2022 15:03  
 Operator : JC/MD  
 Sample : N5612-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 16 03:34:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

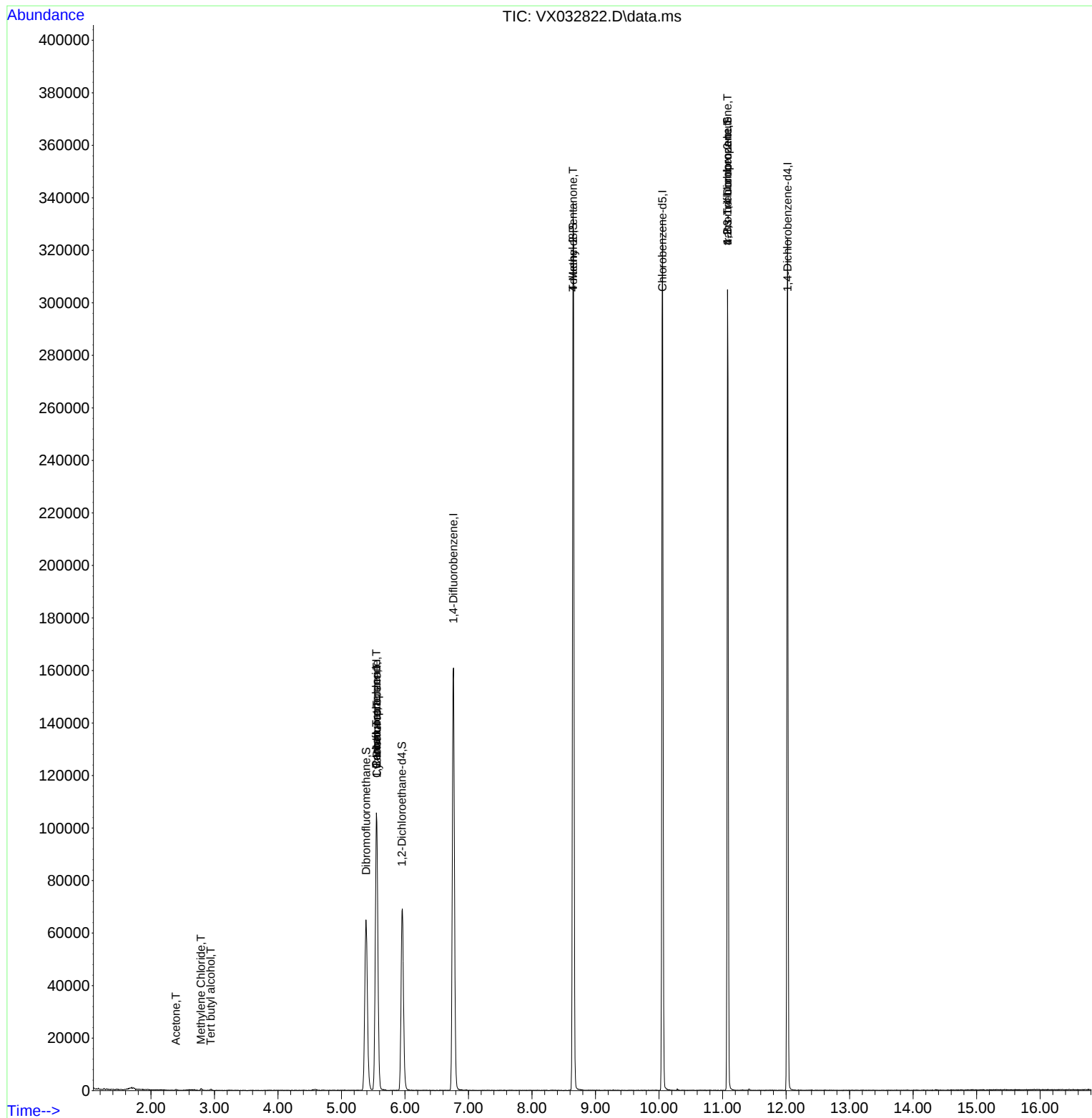
| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                         |           |       |          |          |        |          |
| Internal Standards            |           |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550     | 168   | 99843    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 164472   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 146506   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 66841    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 69670    | 50.220   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | =      | 100.440% |
| 35) Dibromofluoromethane      | 5.385     | 113   | 55903    | 47.650   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | =      | 95.300%  |
| 50) Toluene-d8                | 8.647     | 98    | 202079   | 49.536   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | =      | 99.080%  |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 74978    | 47.051   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | =      | 94.100%  |
| Target Compounds              |           |       |          |          |        |          |
|                               |           |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.940     | 59    | 177      | 0.877    | ug/l # | 72       |
| 16) Acetone                   | 2.392     | 43    | 372      | 0.738    | ug/l # | 88       |
| 20) Methylene Chloride        | 2.788     | 84    | 382      | 0.330    | ug/l # | 55       |
| 31) Cyclohexane               | 5.556     | 56    | 2273     | 1.351    | ug/l # | 38       |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 7635     | 4.673    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550     | 117   | 10268    | 5.667    | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647     | 43    | 959      | 0.583    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 41138    | 27.664   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 41138    | 88.028   | ug/l # | 6        |
| -----                         |           |       |          |          |        |          |

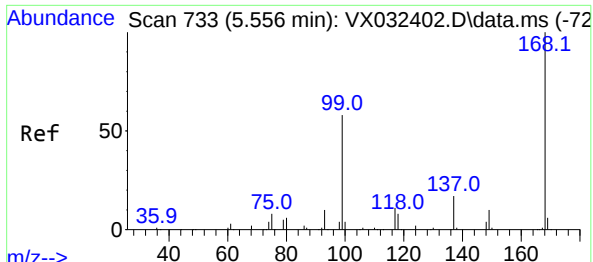
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111522\  
Data File : VX032822.D  
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Sample : N5612-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

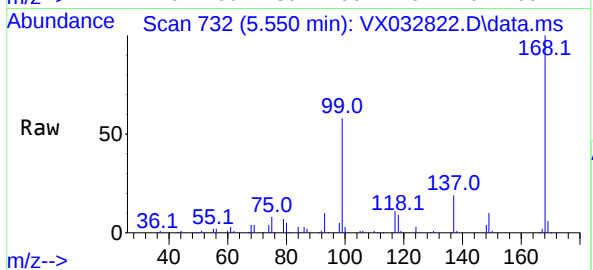
Quant Time: Nov 16 03:34:00 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration



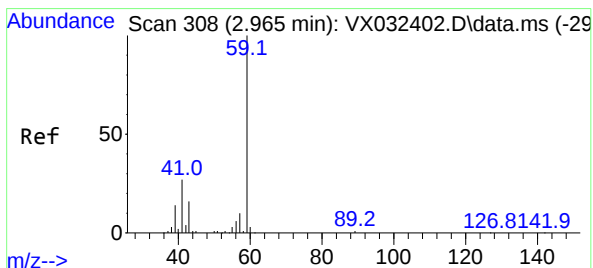
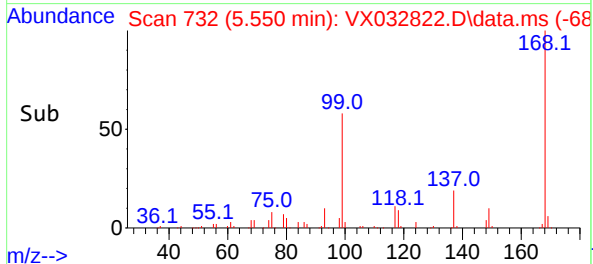
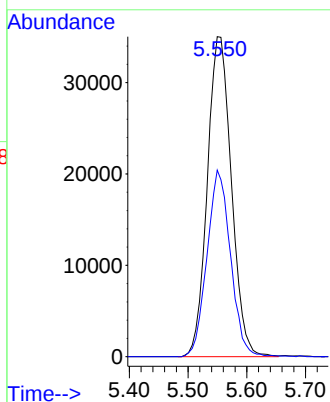


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

Instrument :  
MSVOA\_X  
ClientSampleId :

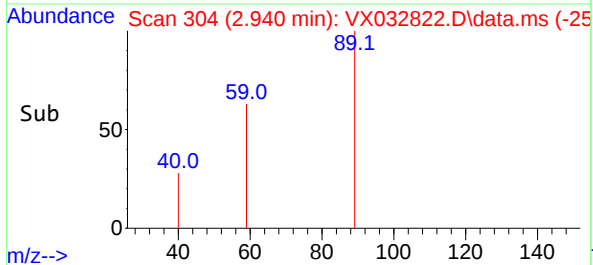
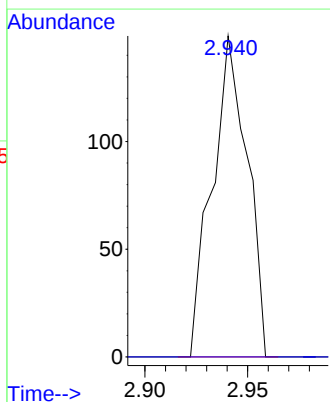
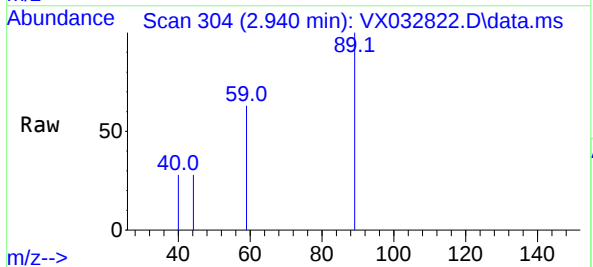


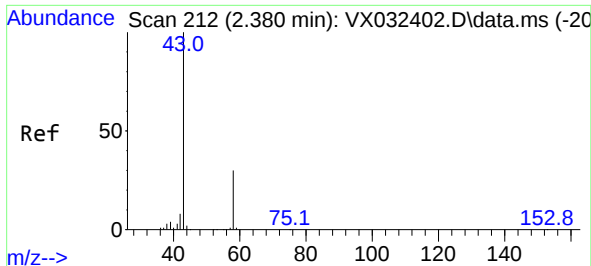
Tgt Ion:168 Resp: 99843  
Ion Ratio Lower Upper  
168 100  
99 58.3 46.1 69.1



#11  
Tert butyl alcohol  
Concen: 0.877 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.024 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

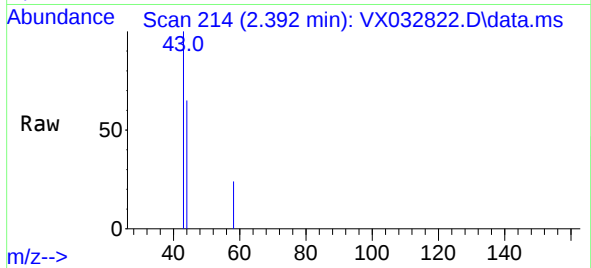
Tgt Ion: 59 Resp: 177  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



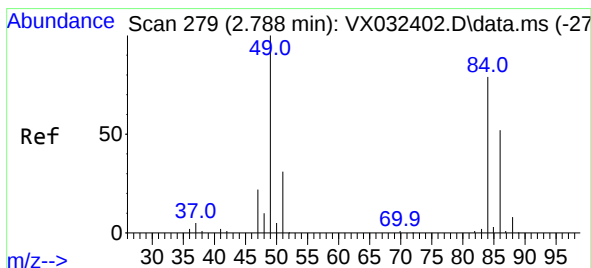
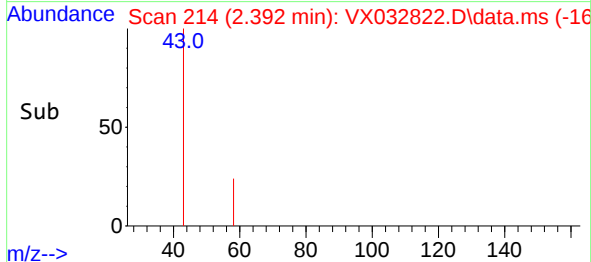
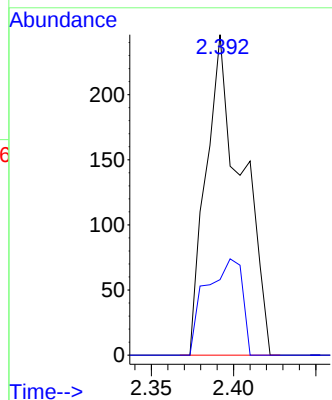


#16  
Acetone  
Concen: 0.738 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.012 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

Instrument :  
MSVOA\_X  
ClientSampleId :

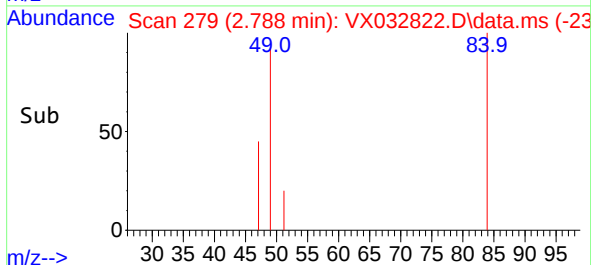
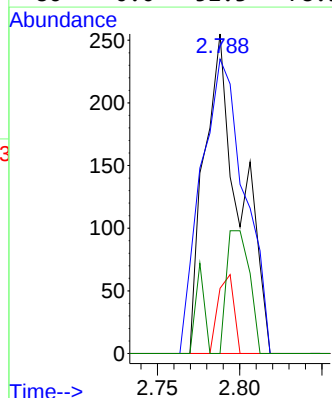
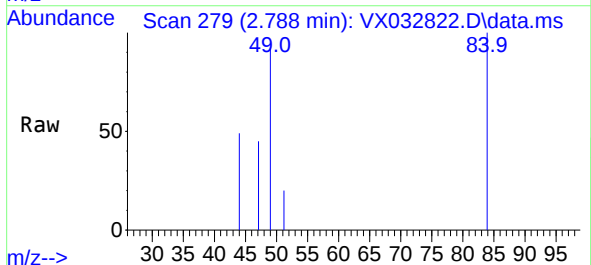


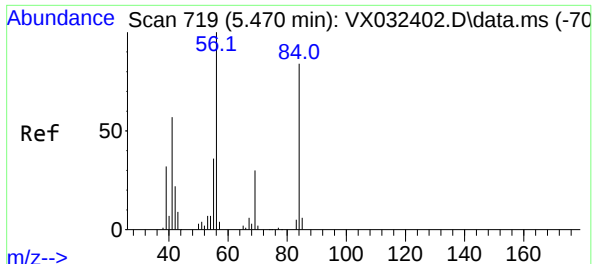
Tgt Ion: 43 Resp: 372  
Ion Ratio Lower Upper  
43 100  
58 23.6 23.8 35.8#



#20  
Methylene Chloride  
Concen: 0.330 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

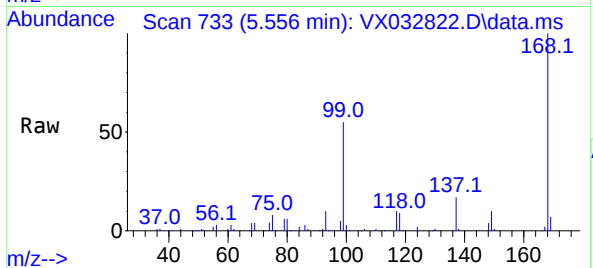
Tgt Ion: 84 Resp: 382  
Ion Ratio Lower Upper  
84 100  
49 92.2 101.0 151.6#  
51 20.4 31.1 46.7#  
86 0.0 52.3 78.5#



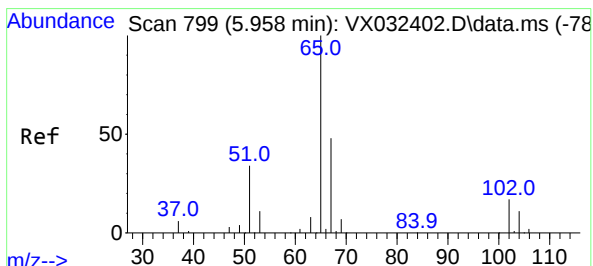
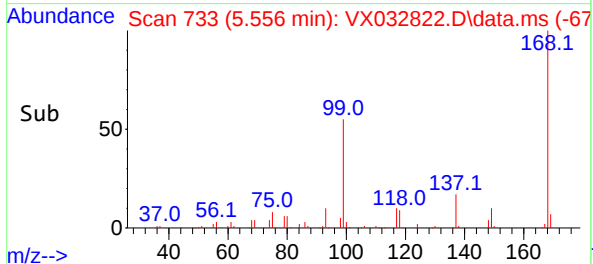
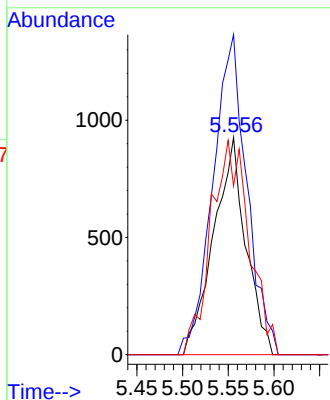


#31  
Cyclohexane  
Concen: 1.351 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

Instrument :  
MSVOA\_X  
ClientSampleId :

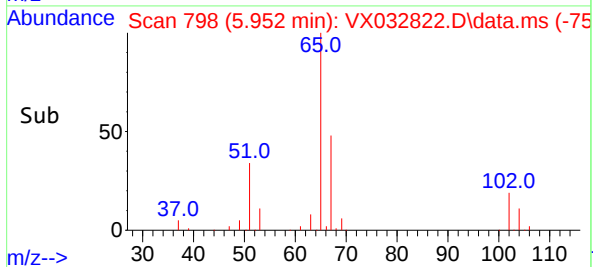
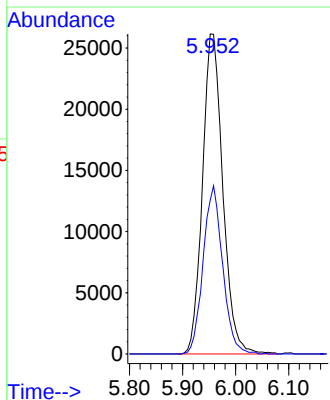
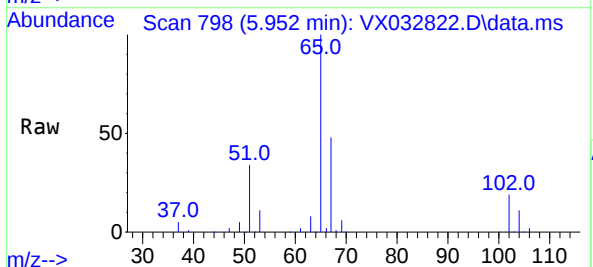


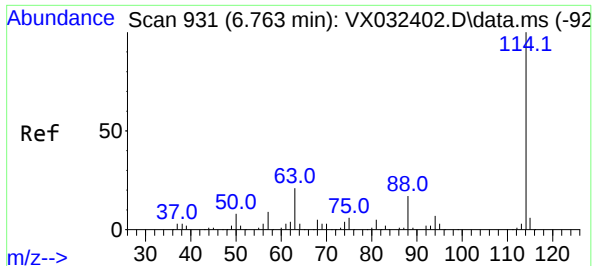
Tgt Ion: 56 Resp: 2273  
Ion Ratio Lower Upper  
56 100  
69 147.2 24.1 36.1#  
84 77.7 66.9 100.3



#33  
1,2-Dichloroethane-d4  
Concen: 50.220 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

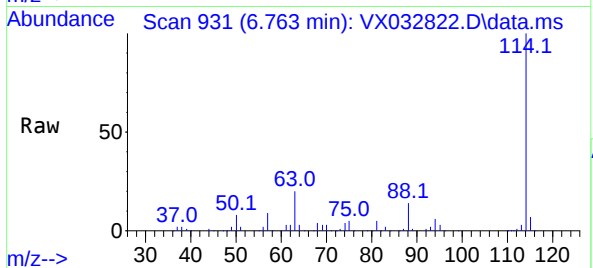
Tgt Ion: 65 Resp: 69670  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 101.8



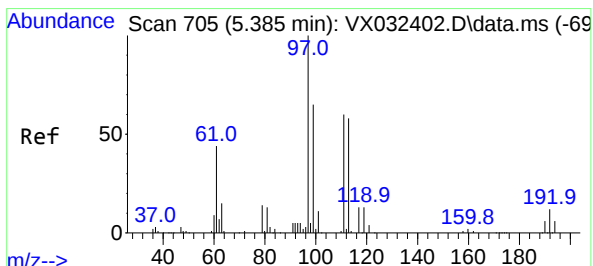
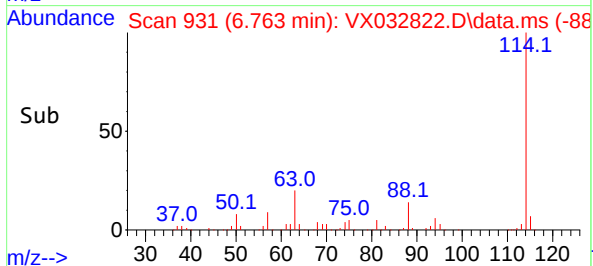
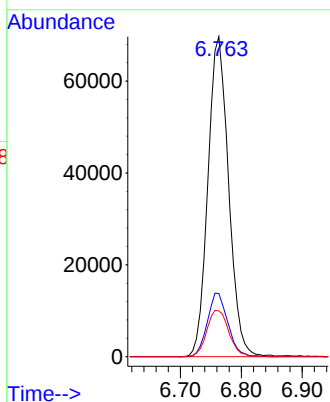


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

Instrument :  
MSVOA\_X  
ClientSampleId :

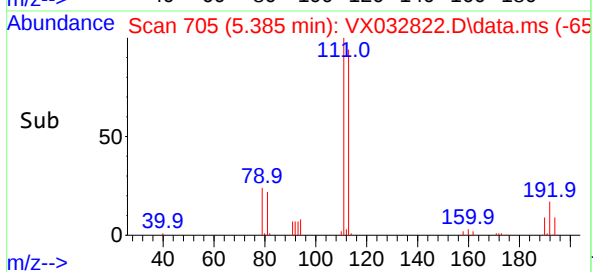
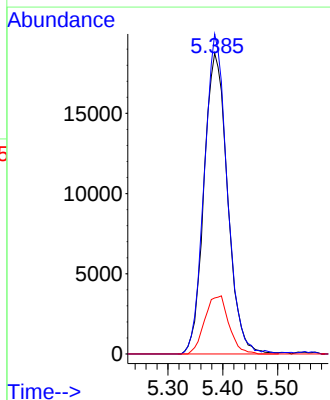
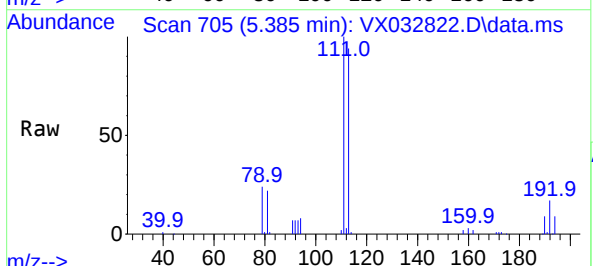


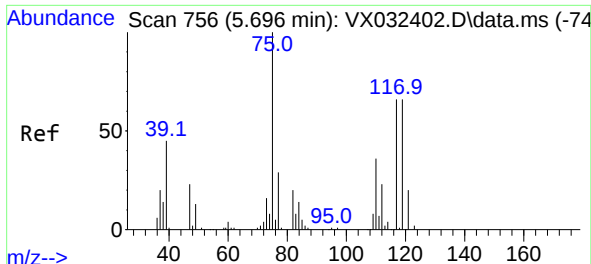
Tgt Ion:114 Resp: 164472  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 41.6  
88 14.3 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 47.650 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

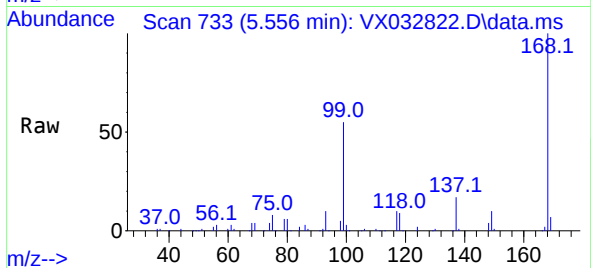
Tgt Ion:113 Resp: 55903  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.4 123.6  
192 19.7 15.4 23.2



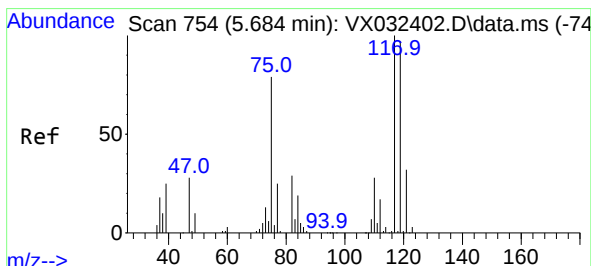
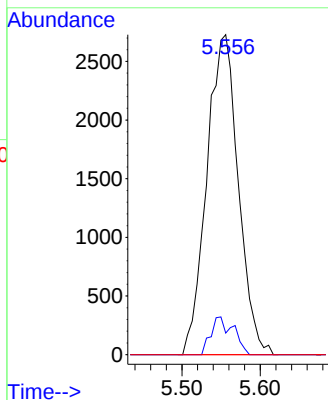
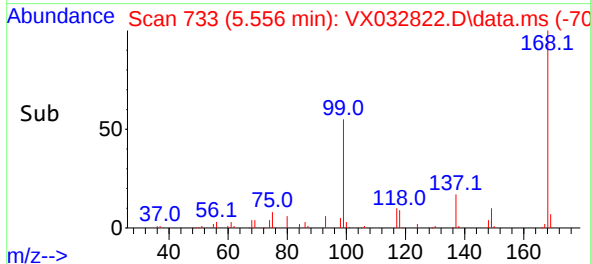


#36  
1,1-Dichloropropene  
Concen: 4.673 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.140 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

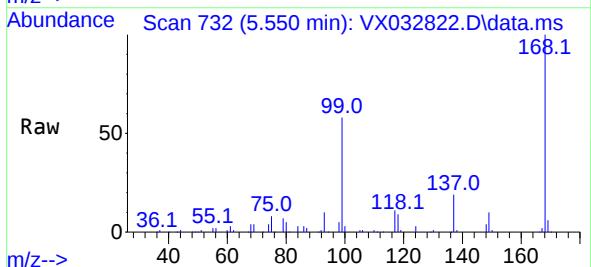
Instrument :  
MSVOA\_X  
ClientSampleId :



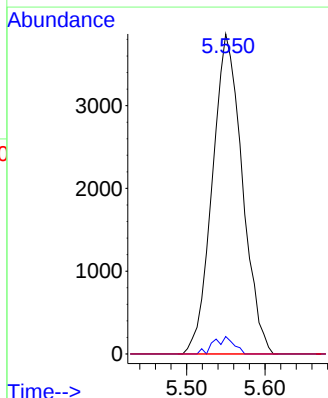
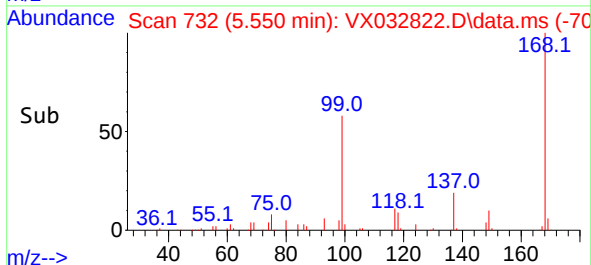
Tgt Ion: 75 Resp: 7635  
Ion Ratio Lower Upper  
75 100  
110 8.4 18.4 55.2#  
77 0.0 24.5 36.7#

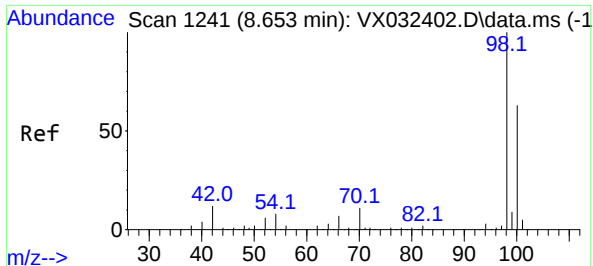


#38  
Carbon Tetrachloride  
Concen: 5.667 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.134 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03



Tgt Ion: 117 Resp: 10268  
Ion Ratio Lower Upper  
117 100  
119 5.5 77.2 115.8#  
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.536 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032822.D

Acq: 15 Nov 2022 15:03

Instrument :

MSVOA\_X

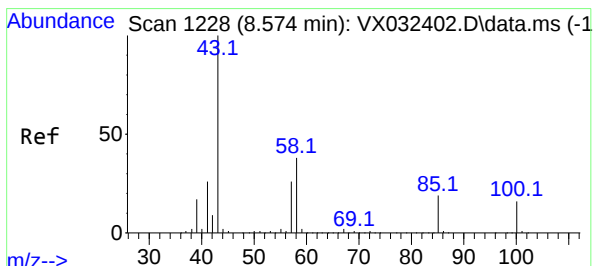
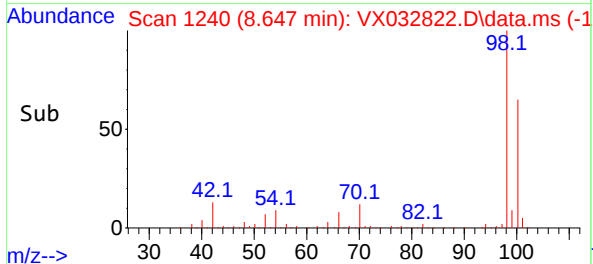
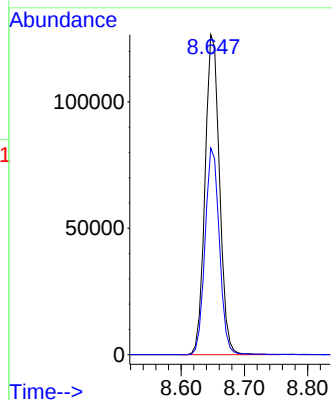
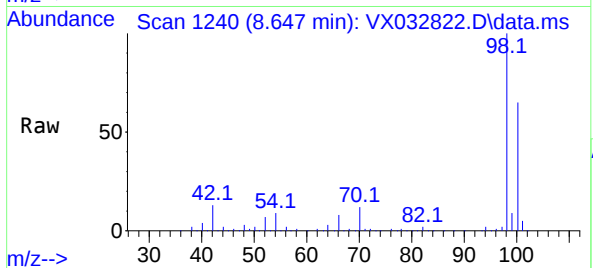
ClientSampleId :

Tgt Ion: 98 Resp: 202079

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.583 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032822.D

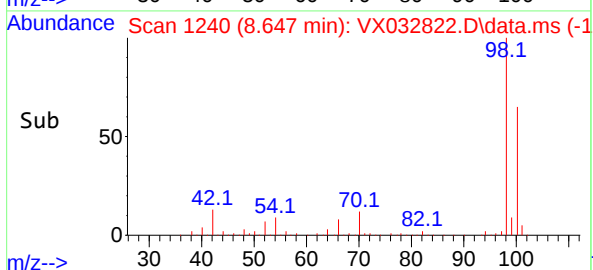
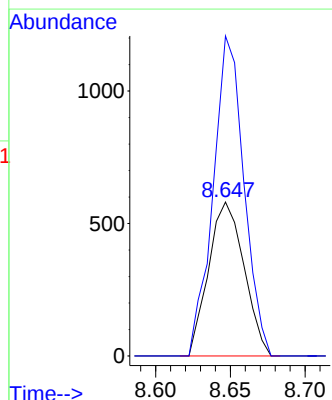
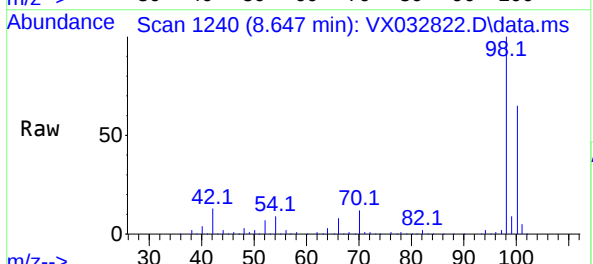
Acq: 15 Nov 2022 15:03

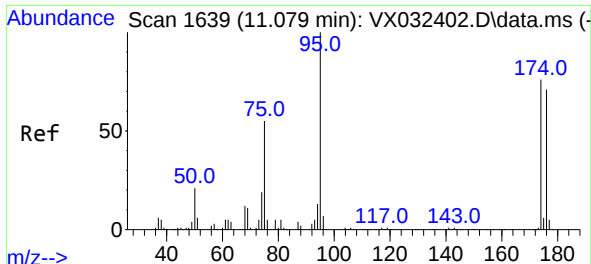
Tgt Ion: 43 Resp: 959

Ion Ratio Lower Upper

43 100

58 180.9 30.9 46.3#

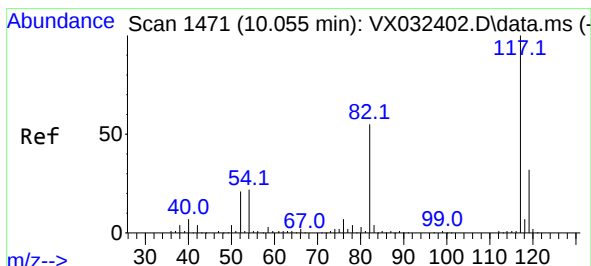
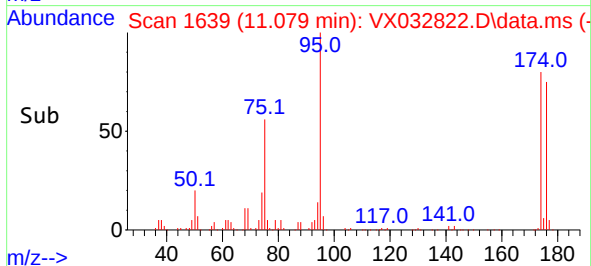
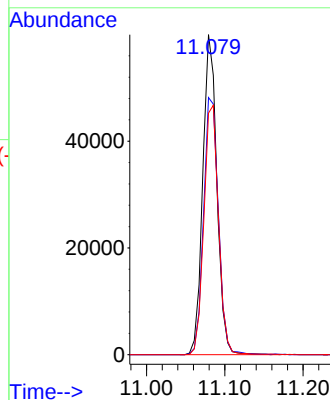
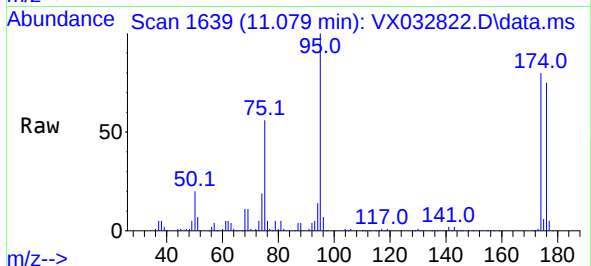




#62  
4-Bromofluorobenzene  
Concen: 47.051 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

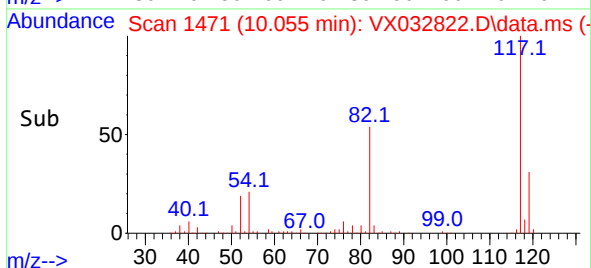
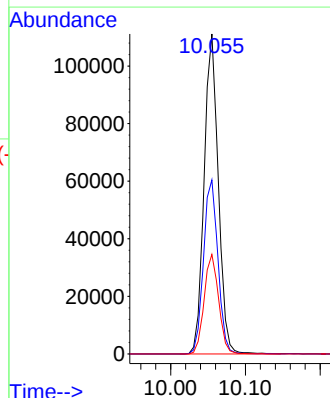
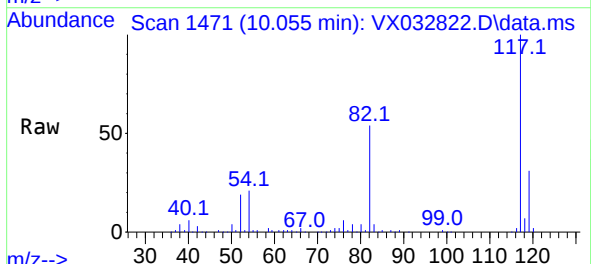
Instrument :  
MSVOA\_X  
ClientSampleId :

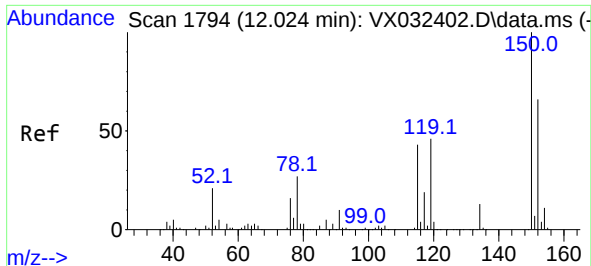
Tgt Ion: 95 Resp: 74978  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 164.0  
176 80.9 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

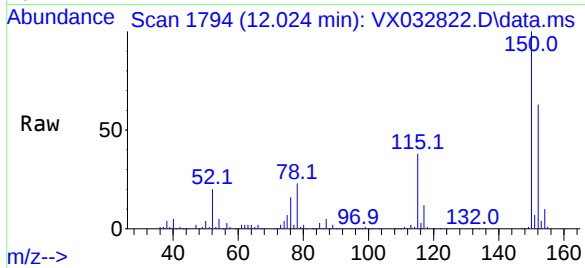
Tgt Ion: 117 Resp: 146506  
Ion Ratio Lower Upper  
117 100  
82 54.4 44.3 66.5  
119 31.1 25.7 38.5



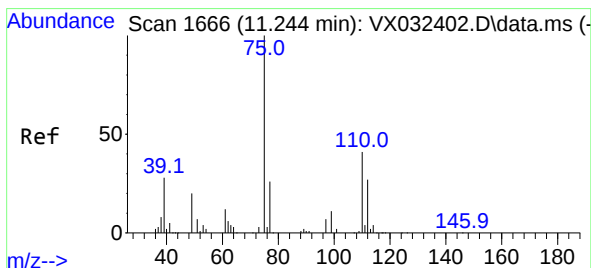
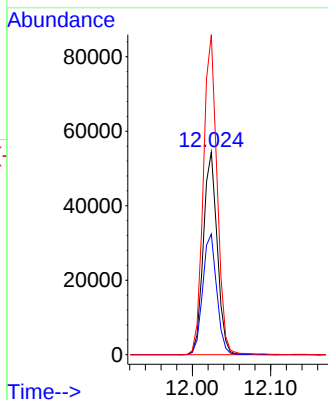
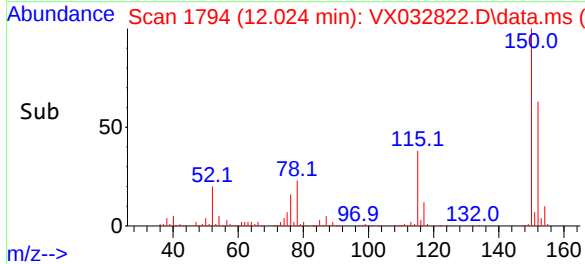


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

Instrument :  
MSVOA\_X  
ClientSampleId :

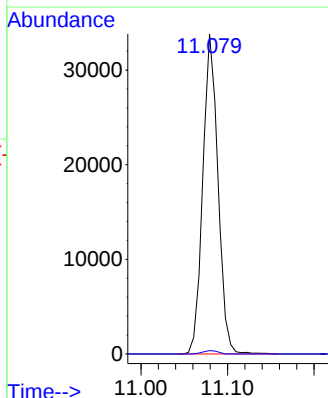
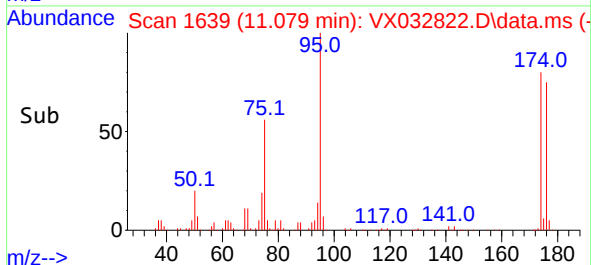
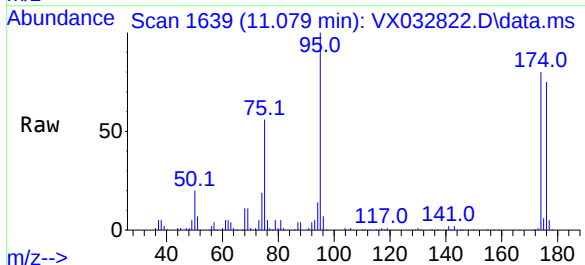


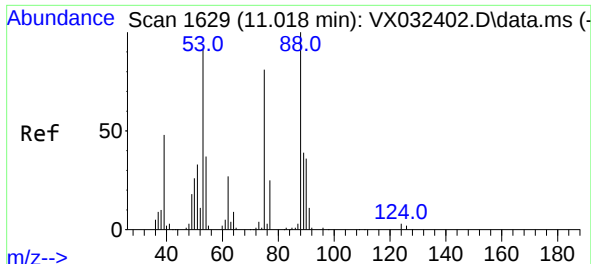
Tgt Ion:152 Resp: 66841  
Ion Ratio Lower Upper  
152 100  
115 60.2 44.0 132.0  
150 156.8 0.0 351.8



#76  
1,2,3-Trichloropropane  
Concen: 27.664 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

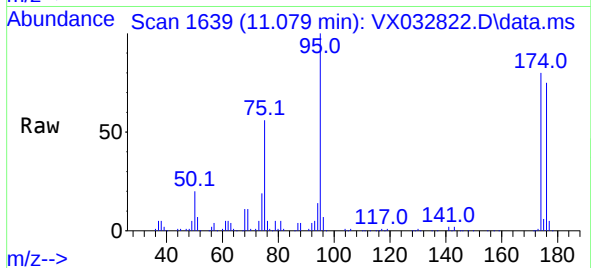
Tgt Ion: 75 Resp: 41138  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.0 60.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.028 ug/l  
RT: 11.079 min Scan# 10  
Delta R.T. 0.061 min  
Lab File: VX032822.D  
Acq: 15 Nov 2022 15:03

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 75 Resp: 41138  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#

