

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122623\  
 Data File : VX039461.D  
 Acq On : 26 Dec 2023 12:49  
 Operator : JC/MD  
 Sample : VX1226WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 26 15:51:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

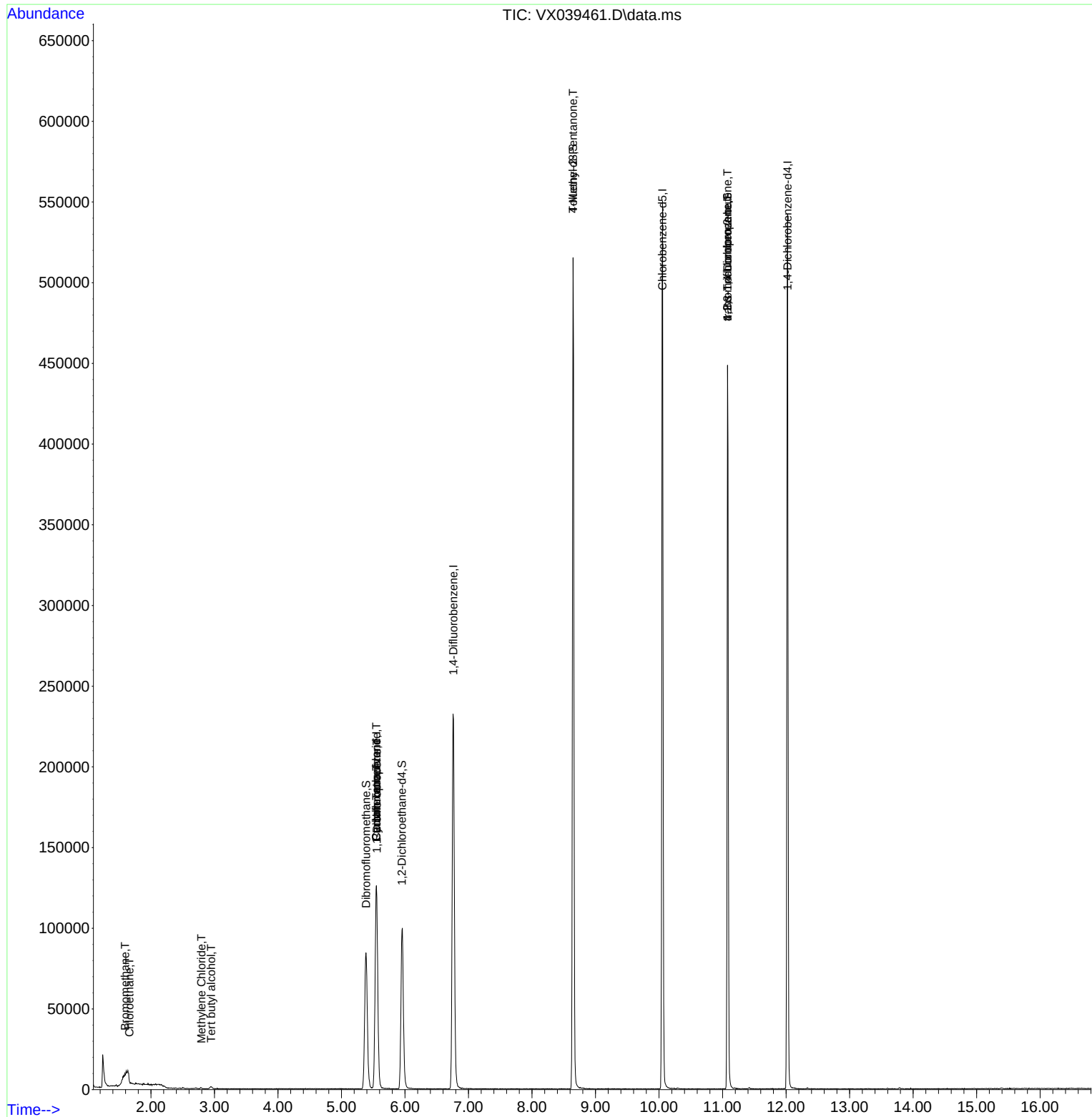
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 109644   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 229330   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 231814   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 102756   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 97733    | 48.657    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 97.320%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 74676    | 47.134    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 94.260%  |
| 50) Toluene-d8                | 8.647  | 98    | 295951   | 50.316    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 100.640% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 122110   | 50.317    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 100.640% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.593  | 94    | 334      | 0.365     | ug/l   | 100      |
| 6) Chloroethane               | 1.660  | 64    | 1002     | 1.047     | ug/l # | 73       |
| 11) Tert butyl alcohol        | 2.946  | 59    | 981      | 1.945     | ug/l # | 78       |
| 16) Acetone                   | 2.386  | 43    | 282      | Below Cal | #      | 47       |
| 20) Methylene Chloride        | 2.794  | 84    | 335      | 0.200     | ug/l # | 48       |
| 31) Cyclohexane               | 5.550  | 56    | 3304     | 1.274     | ug/l # | 19       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 11074    | 4.429     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 12573    | 5.270     | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1382     | 0.432     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 66981    | 25.195    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 66981    | 71.076    | ug/l # | 5        |
| -----                         |        |       |          |           |        |          |

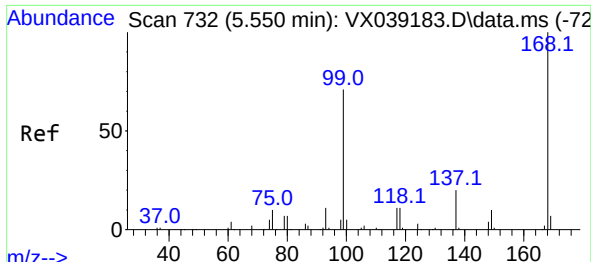
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX1226WBL01  
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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 26 15:51:30 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

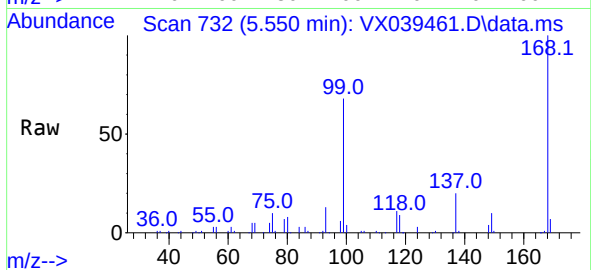
Lab File: VX039461.D

Acq: 26 Dec 2023 12:49

Instrument :

MSVOA\_X

ClientSampleId :

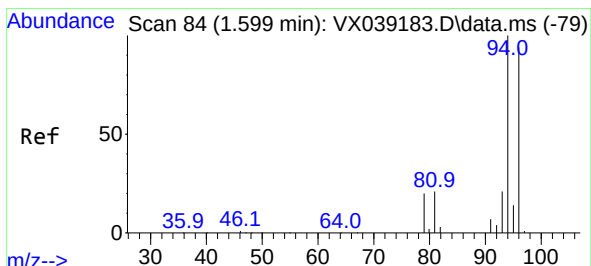
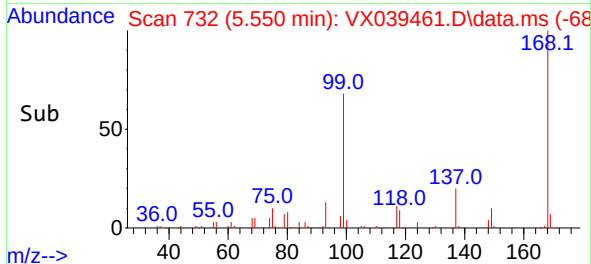
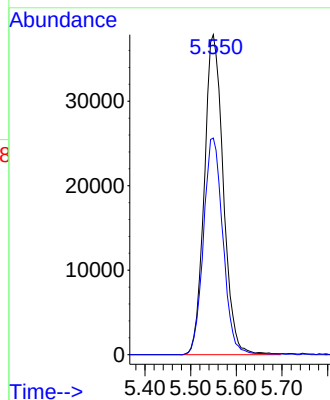


Tgt Ion:168 Resp: 109644

Ion Ratio Lower Upper

168 100

99 67.7 56.6 85.0



#5

Bromomethane

Concen: 0.365 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.006 min

Lab File: VX039461.D

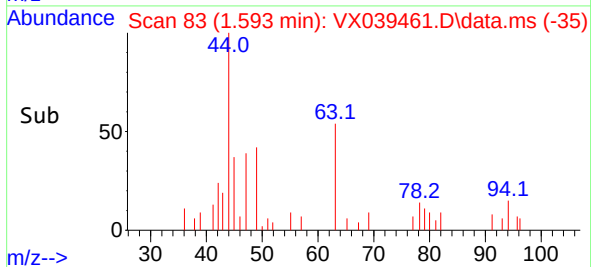
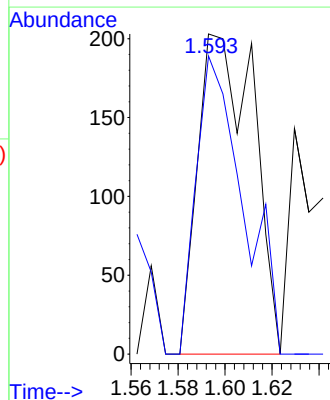
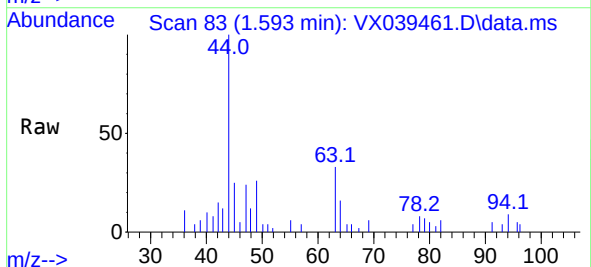
Acq: 26 Dec 2023 12:49

Tgt Ion: 94 Resp: 334

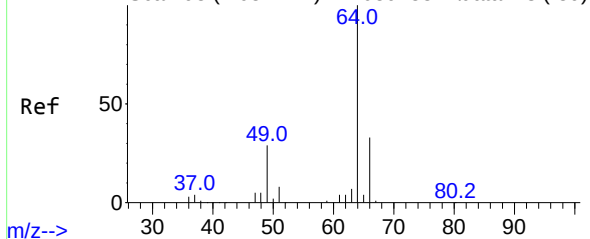
Ion Ratio Lower Upper

94 100

96 93.1 74.6 111.8



Abundance Scan 98 (1.684 min): VX039183.D\data.ms (-89)



#6

Chloroethane

Concen: 1.047 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.024 min

Lab File: VX039461.D

Acq: 26 Dec 2023 12:49

Instrument :

MSVOA\_X

ClientSampleId :

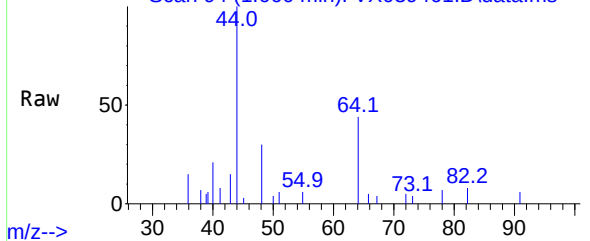
Tgt Ion: 64 Resp: 1002

Ion Ratio Lower Upper

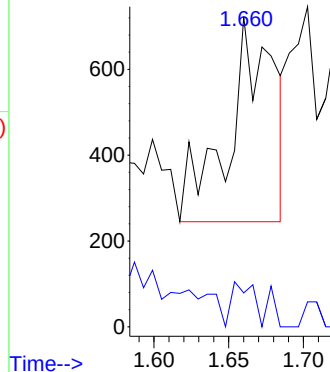
64 100

66 16.5 25.1 37.7#

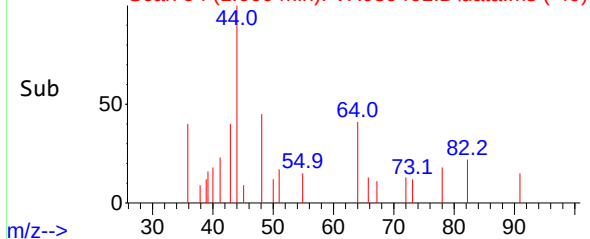
Abundance Scan 94 (1.660 min): VX039461.D\data.ms



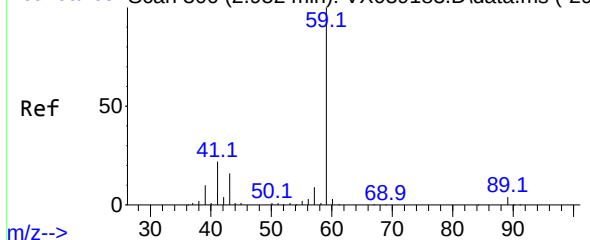
Abundance



Abundance Scan 94 (1.660 min): VX039461.D\data.ms (-49)



Abundance Scan 306 (2.952 min): VX039183.D\data.ms (-29)



#11

Tert butyl alcohol

Concen: 1.945 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.006 min

Lab File: VX039461.D

Acq: 26 Dec 2023 12:49

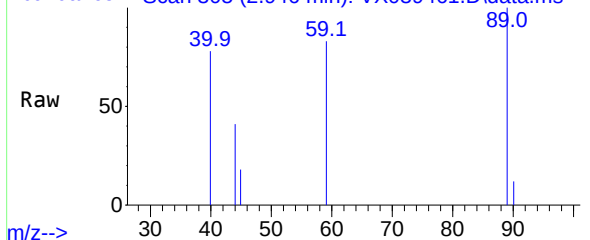
Tgt Ion: 59 Resp: 981

Ion Ratio Lower Upper

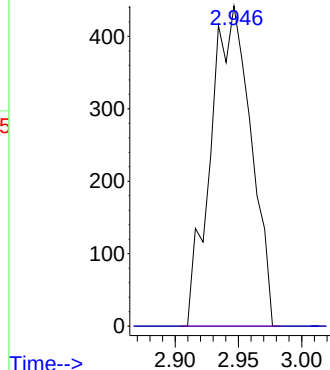
59 100

57 0.0 6.0 9.0#

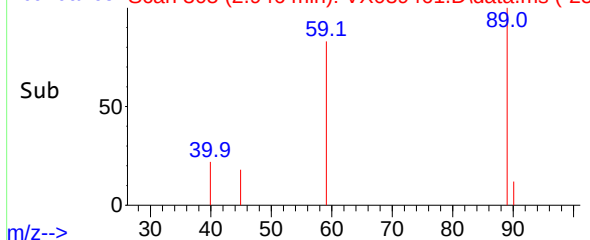
Abundance Scan 305 (2.946 min): VX039461.D\data.ms

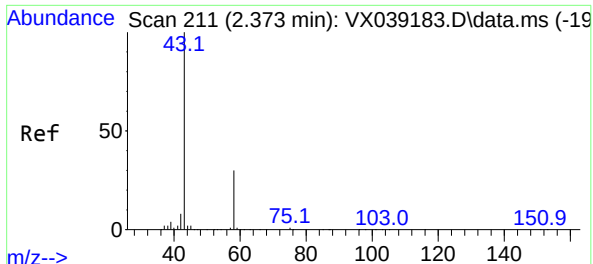


Abundance



Abundance Scan 305 (2.946 min): VX039461.D\data.ms (-25)

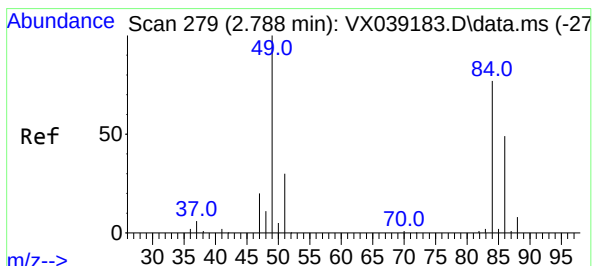
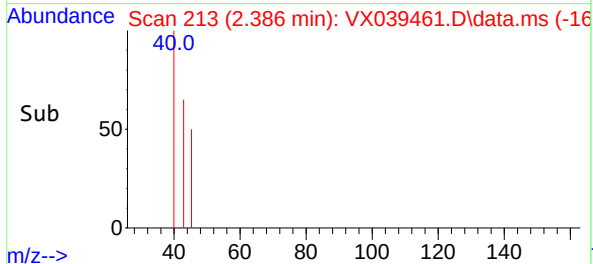
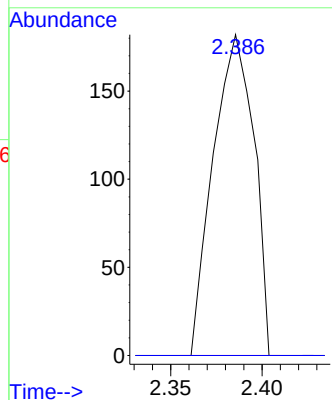
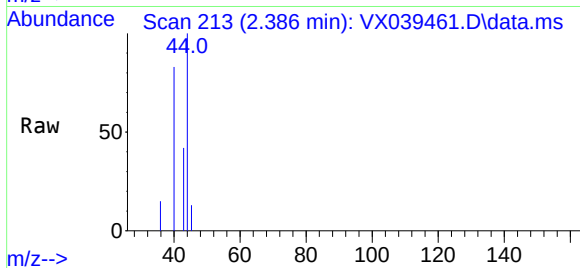




#16  
Acetone  
Concen: Below Cal  
RT: 2.386 min Scan# 211  
Delta R.T. 0.013 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

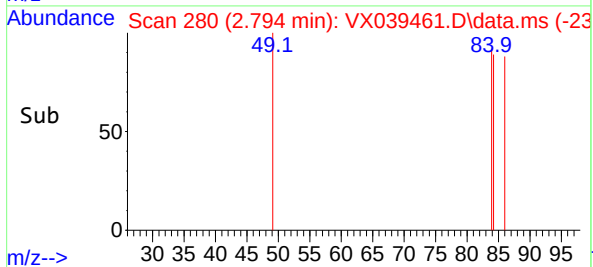
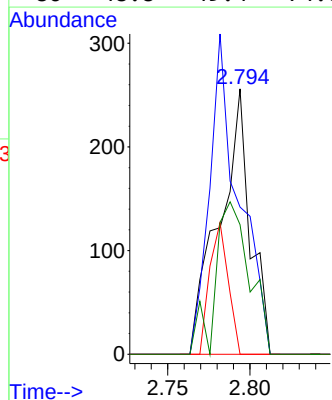
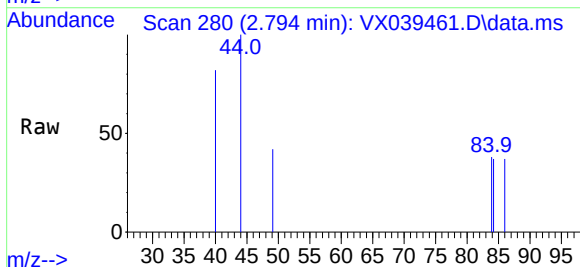
Instrument :  
MSVOA\_X  
ClientSampleId :

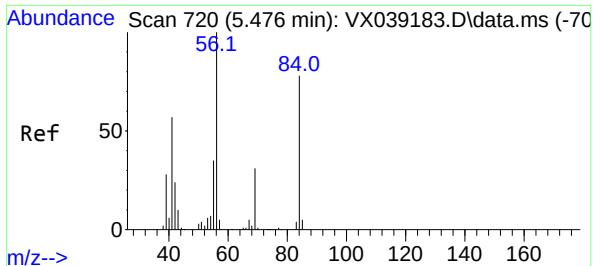
Tgt Ion: 43 Resp: 282  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.200 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

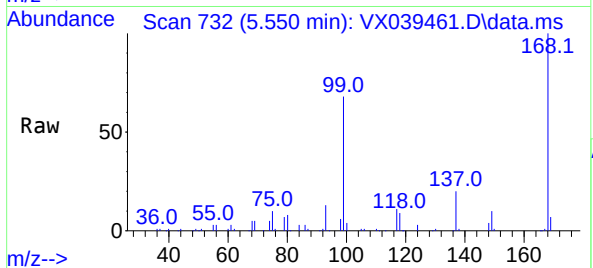
Tgt Ion: 84 Resp: 335  
Ion Ratio Lower Upper  
84 100  
49 55.5 103.6 155.4#  
51 0.0 33.8 50.6#  
86 48.8 49.4 74.0#



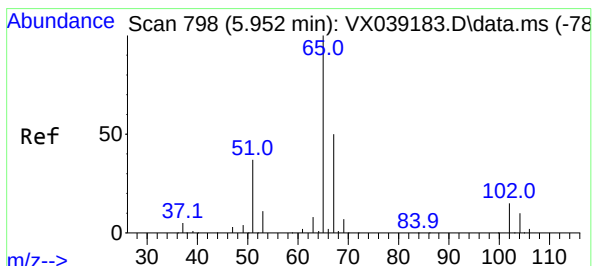
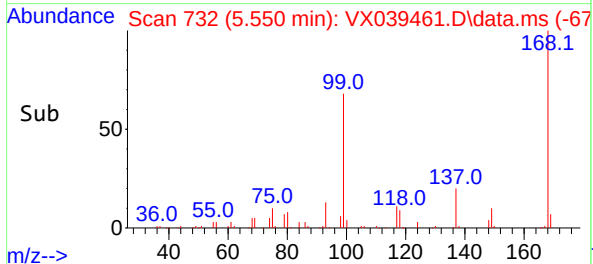
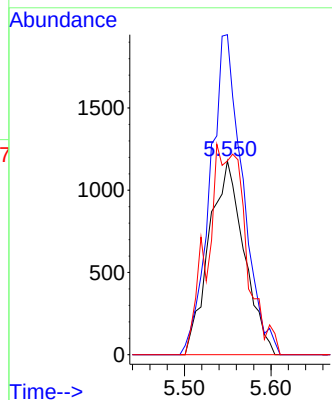


#31  
Cyclohexane  
Concen: 1.274 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.073 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

Instrument :  
MSVOA\_X  
ClientSampleId :

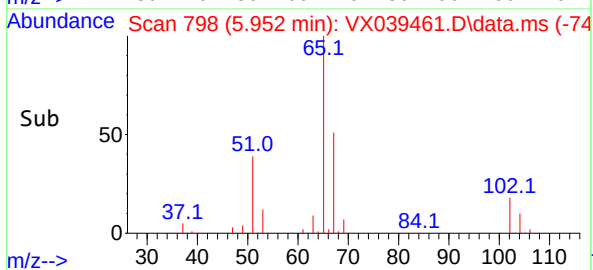
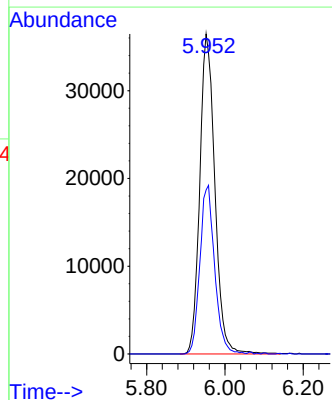
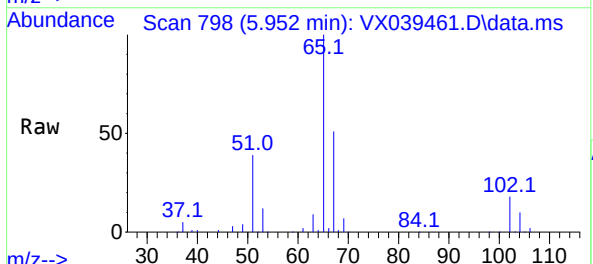


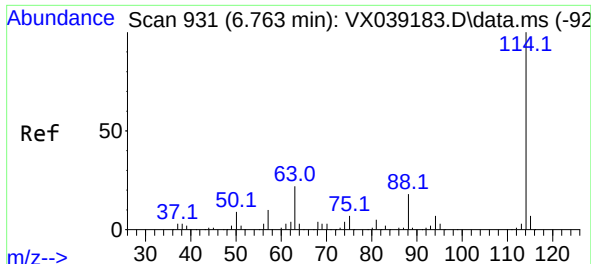
Tgt Ion: 56 Resp: 3304  
Ion Ratio Lower Upper  
56 100  
69 165.2 23.4 35.2#  
84 100.0 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 48.657 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

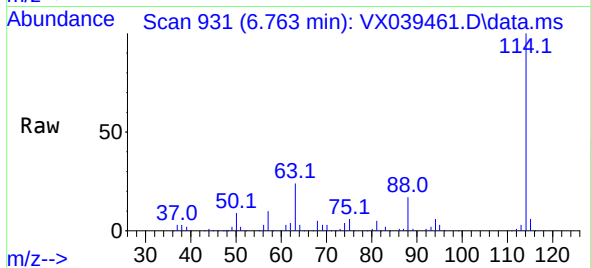
Tgt Ion: 65 Resp: 97733  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 100.2



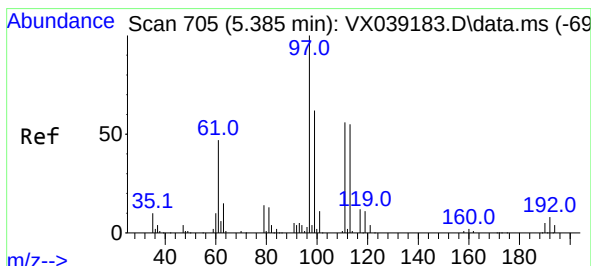
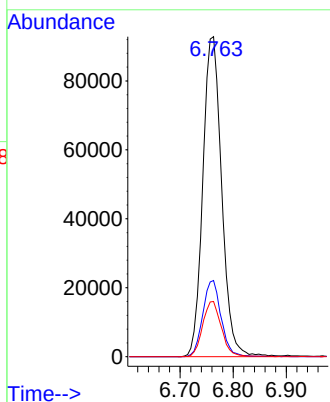
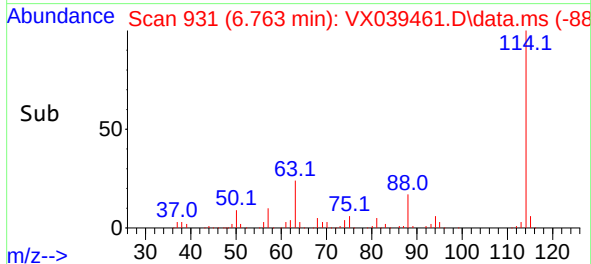


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

Instrument :  
MSVOA\_X  
ClientSampleId :

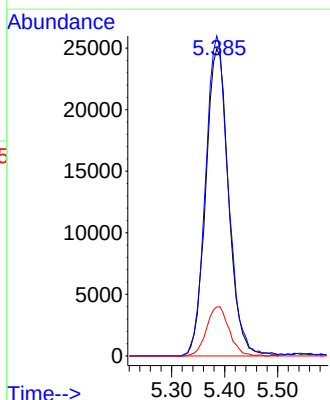
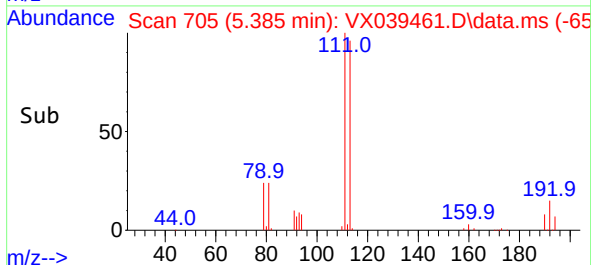
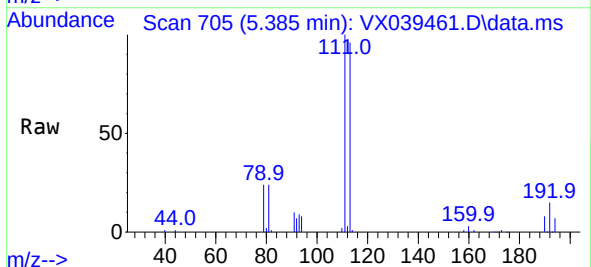


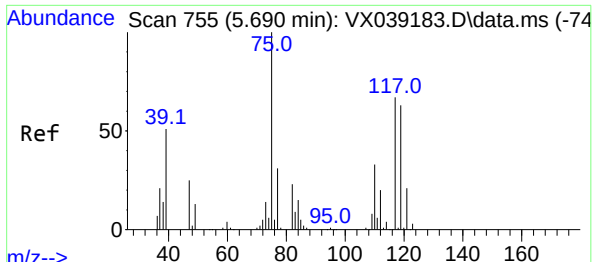
Tgt Ion:114 Resp: 229330  
Ion Ratio Lower Upper  
114 100  
63 23.8 0.0 45.0  
88 17.2 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 47.134 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

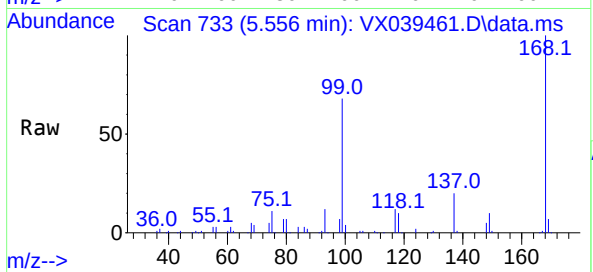
Tgt Ion:113 Resp: 74676  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.9 124.3  
192 15.8 13.3 19.9



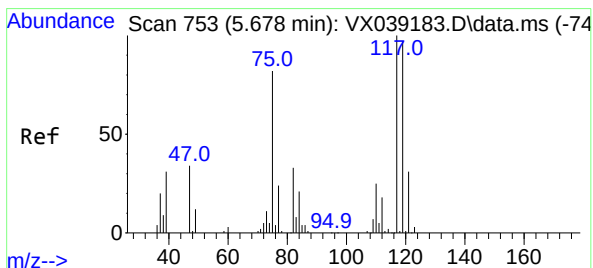
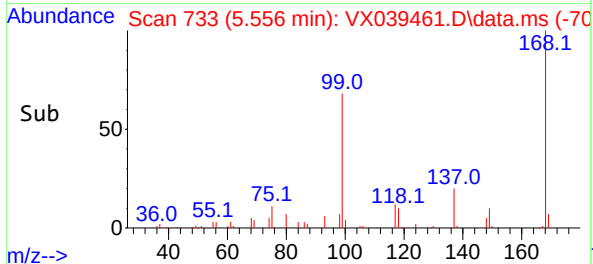
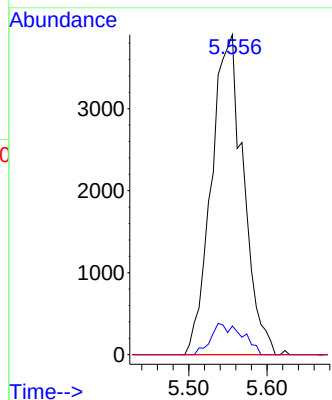


#36  
1,1-Dichloropropene  
Concen: 4.429 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.134 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

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ClientSampleId :

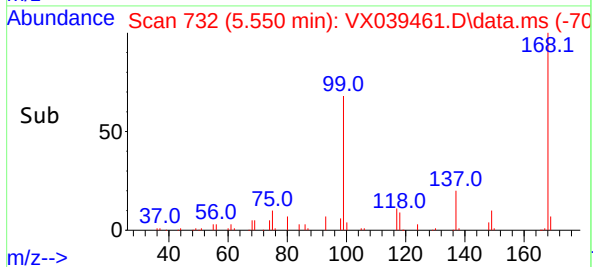
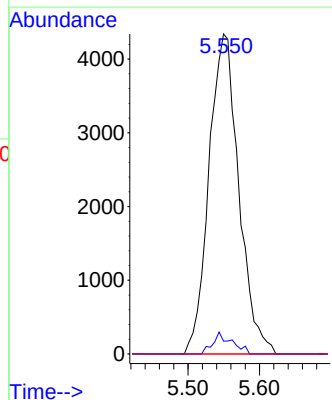
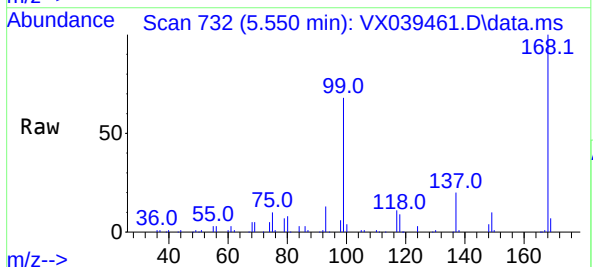


Tgt Ion: 75 Resp: 11074  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.0 50.9#  
77 0.0 24.7 37.1#

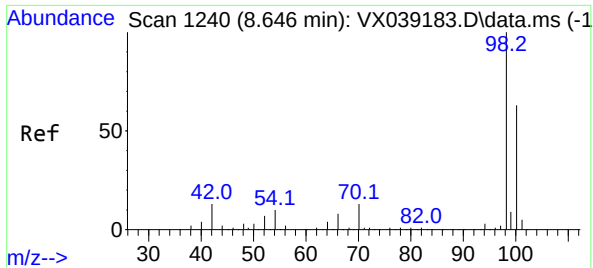


#38  
Carbon Tetrachloride  
Concen: 5.270 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

Tgt Ion: 117 Resp: 12573  
Ion Ratio Lower Upper  
117 100  
119 4.0 78.2 117.2#  
121 0.0 24.4 36.6#



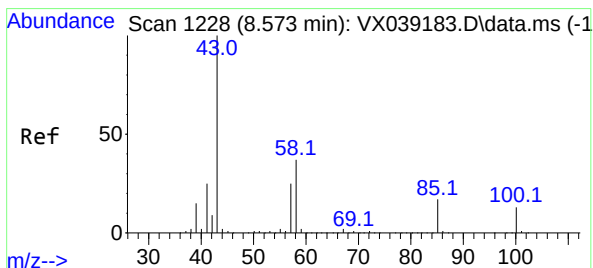
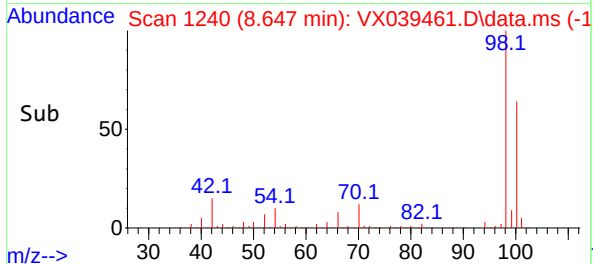
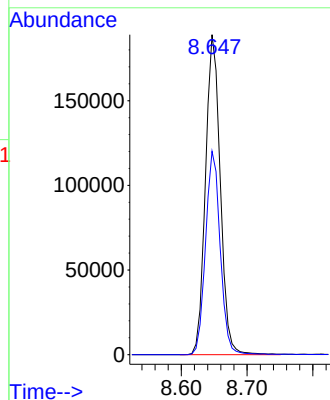
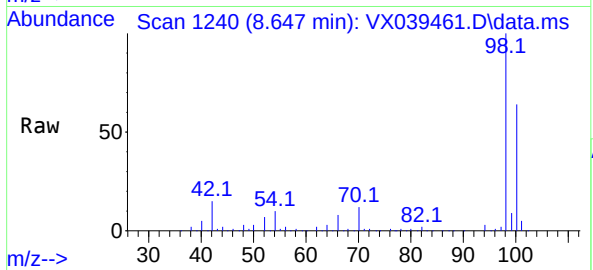




#50  
Toluene-d8  
Concen: 50.316 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

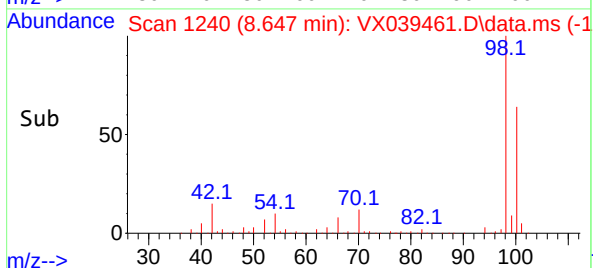
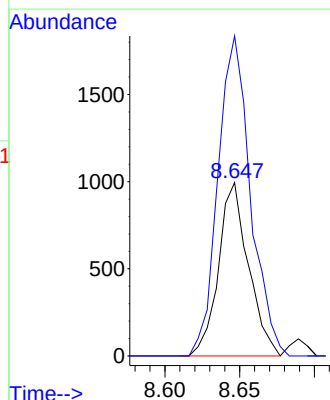
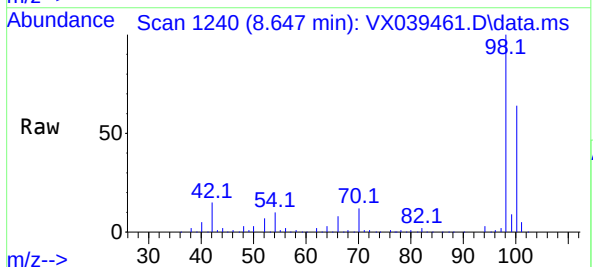
Instrument :  
MSVOA\_X  
ClientSampleId :

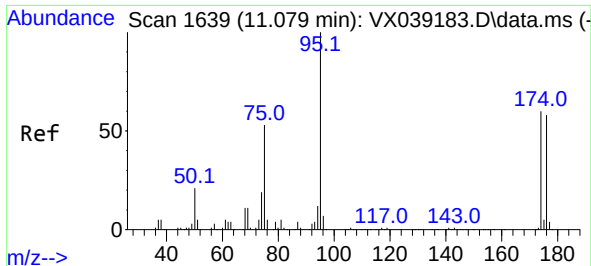
Tgt Ion: 98 Resp: 295951  
Ion Ratio Lower Upper  
98 100  
100 63.1 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.432 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

Tgt Ion: 43 Resp: 1382  
Ion Ratio Lower Upper  
43 100  
58 200.8 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 50.317 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039461.D

Acq: 26 Dec 2023 12:49

Instrument :

MSVOA\_X

ClientSampleId :

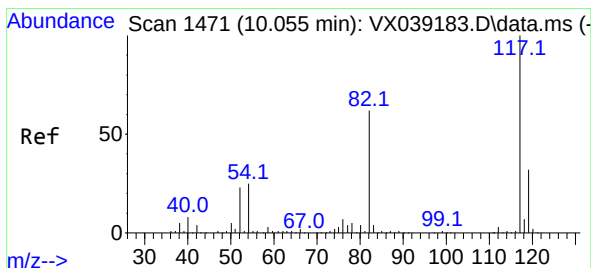
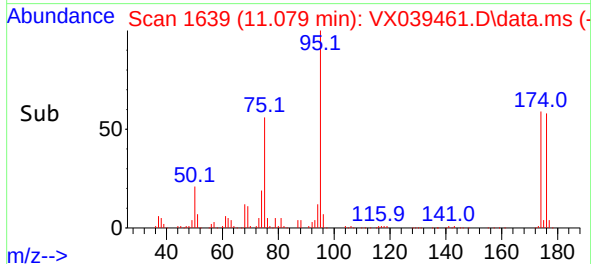
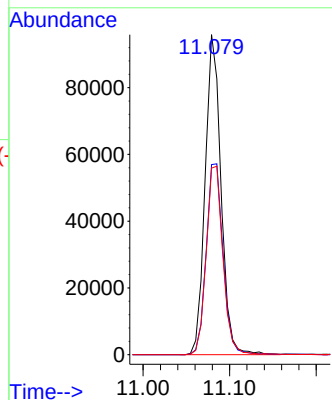
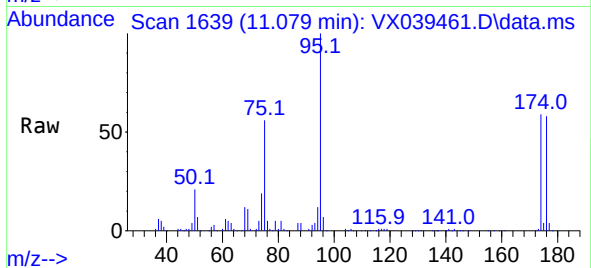
Tgt Ion: 95 Resp: 122110

Ion Ratio Lower Upper

95 100

174 63.5 0.0 135.6

176 62.0 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039461.D

Acq: 26 Dec 2023 12:49

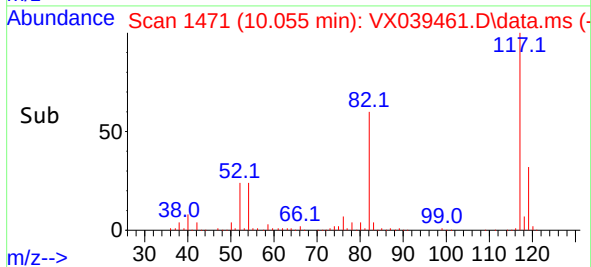
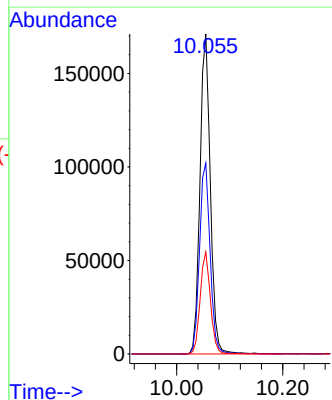
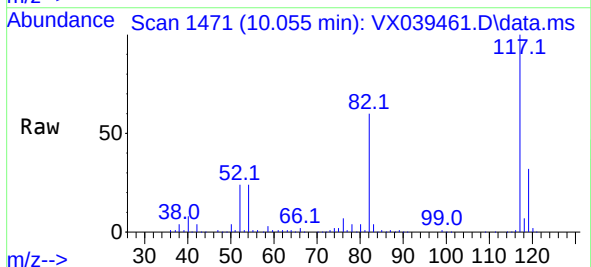
Tgt Ion: 117 Resp: 231814

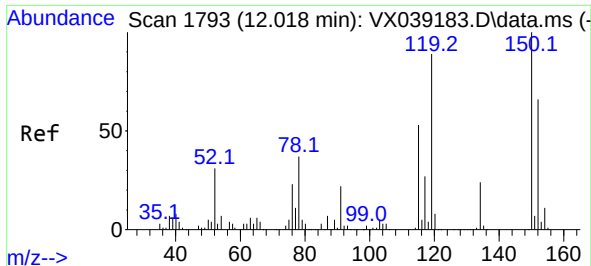
Ion Ratio Lower Upper

117 100

82 59.6 46.2 69.4

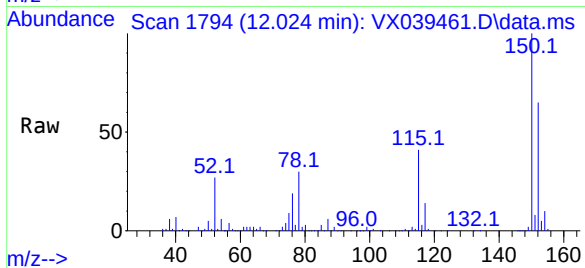
119 31.9 25.5 38.3



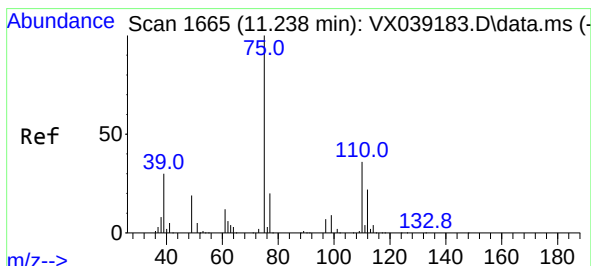
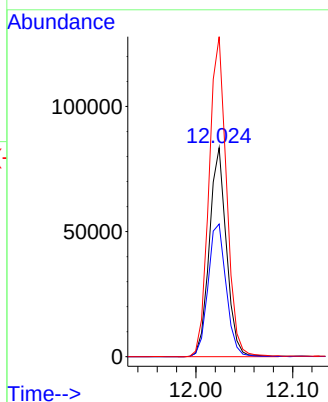
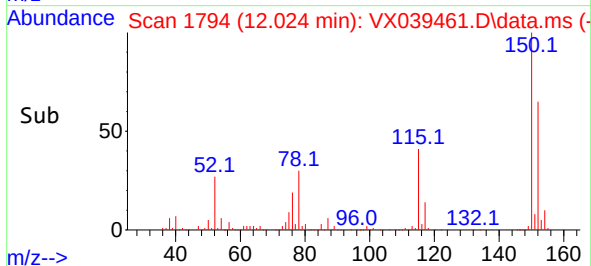


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

Instrument :  
MSVOA\_X  
ClientSampleId :

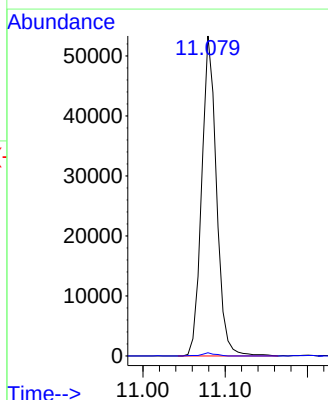
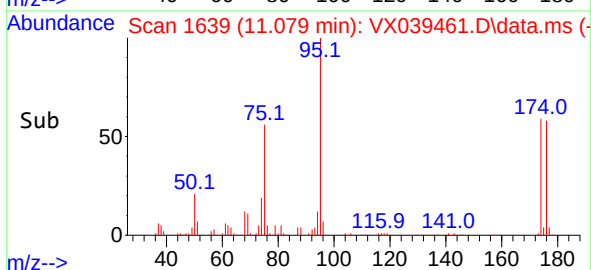
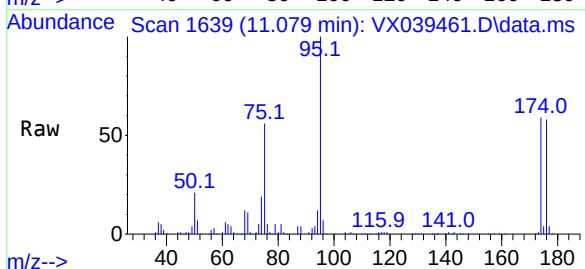


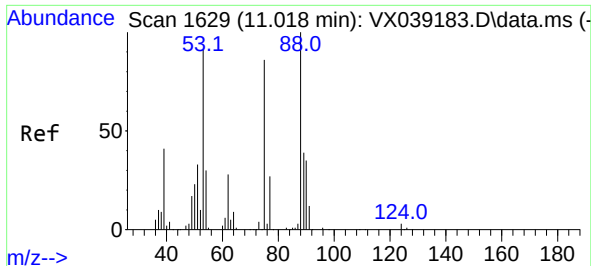
Tgt Ion:152 Resp: 102756  
Ion Ratio Lower Upper  
152 100  
115 67.4 43.3 129.9  
150 157.7 0.0 345.0



#76  
1,2,3-Trichloropropane  
Concen: 25.195 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

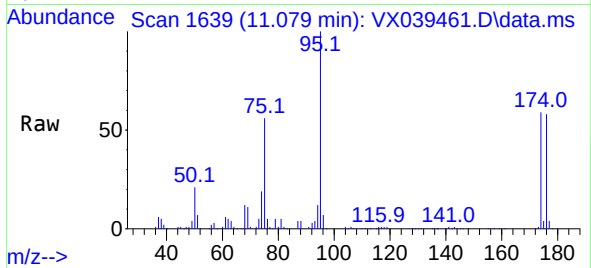
Tgt Ion: 75 Resp: 66981  
Ion Ratio Lower Upper  
75 100  
77 0.9 19.1 57.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.076 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX039461.D  
Acq: 26 Dec 2023 12:49

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 75 Resp: 66981  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

