

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101022\  
 Data File : VX032009.D  
 Acq On : 10 Oct 2022 13:58  
 Operator : JC/MD  
 Sample : N5031-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 5869-3

Quant Time: Oct 11 05:10:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

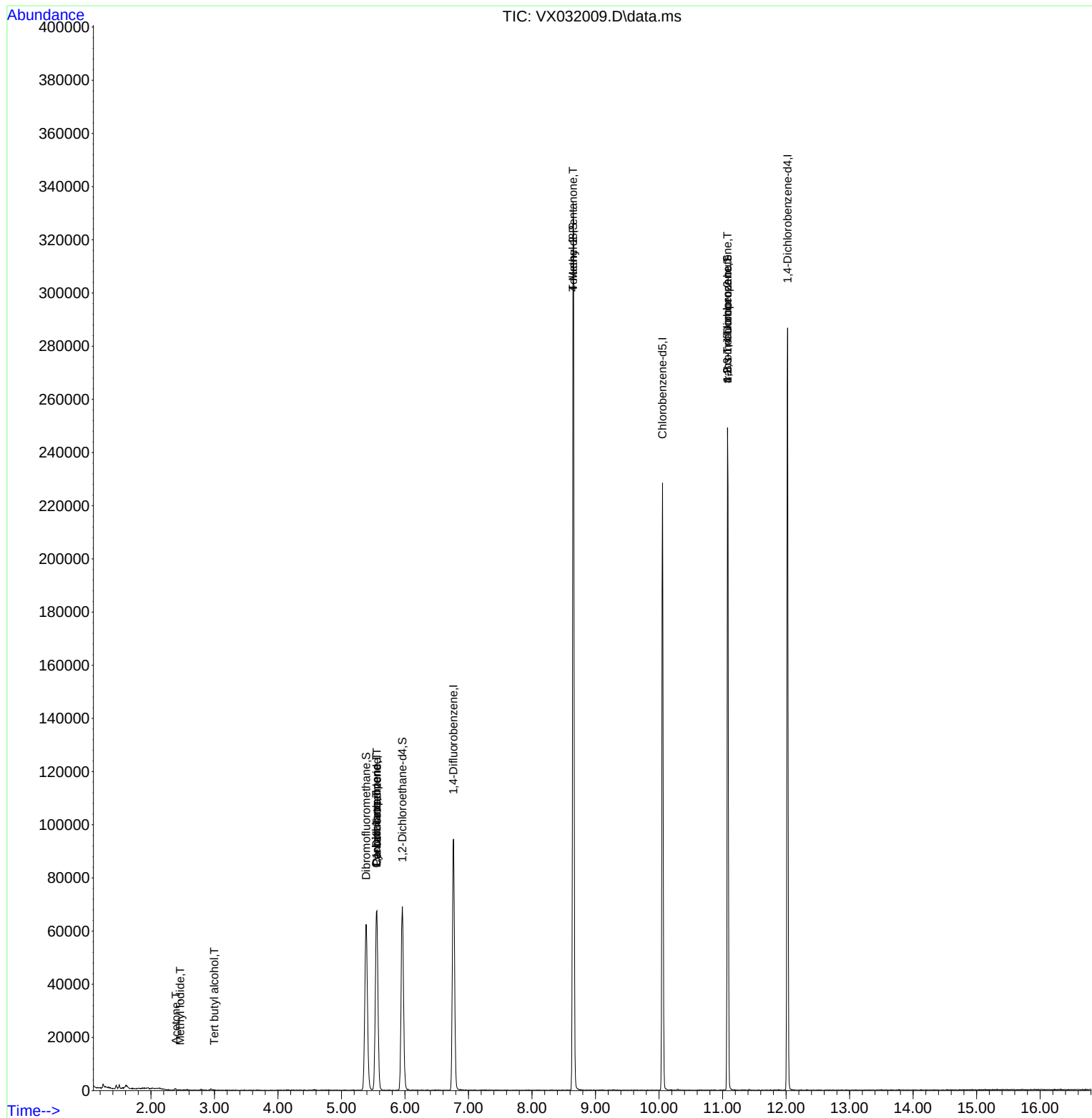
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 63932    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 97949    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 100861   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 57401    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 65035    | 49.257    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 98.520%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 53686    | 48.421    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 96.840%  |
| 50) Toluene-d8                | 8.647  | 98    | 196445   | 49.239    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 98.480%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 62838    | 44.552    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 89.100%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.624  | 94    | 288      | Below Cal | #      | 46       |
| 10) Methyl Iodide             | 2.459  | 142   | 29       | 2.780     | ug/l # | 38       |
| 11) Tert butyl alcohol        | 2.995  | 59    | 44       | 0.268     | ug/l # | 73       |
| 16) Acetone                   | 2.392  | 43    | 662      | 1.475     | ug/l # | 87       |
| 31) Cyclohexane               | 5.550  | 56    | 1324     | 0.839     | ug/l # | 35       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 5245     | 3.567     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 7000     | 4.656     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 930      | 0.668     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 33029    | 28.076    | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 33029    | 96.059    | ug/l # | 11       |
| -----                         |        |       |          |           |        |          |

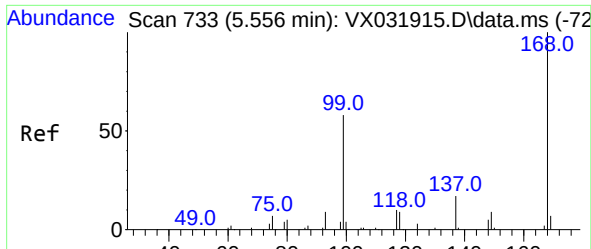
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101022\  
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Sample : N5031-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
5869-3

Quant Time: Oct 11 05:10:20 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 14:28:46 2022  
Response via : Initial Calibration

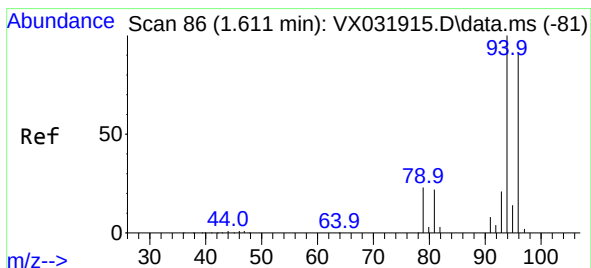
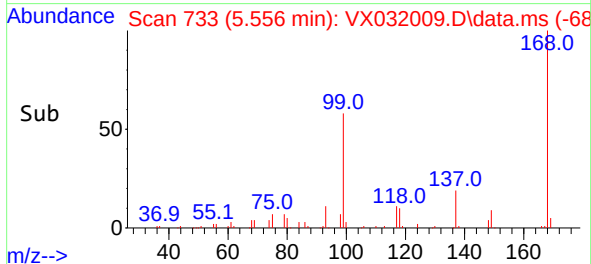
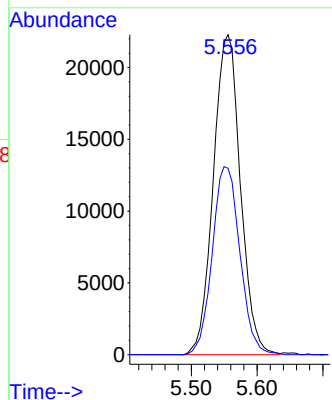
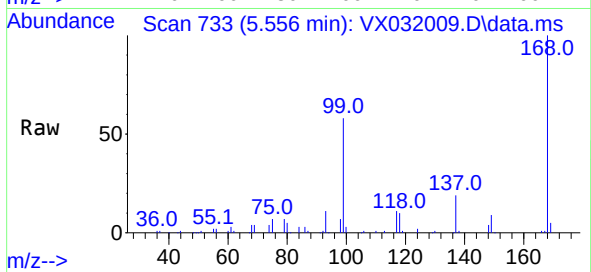




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

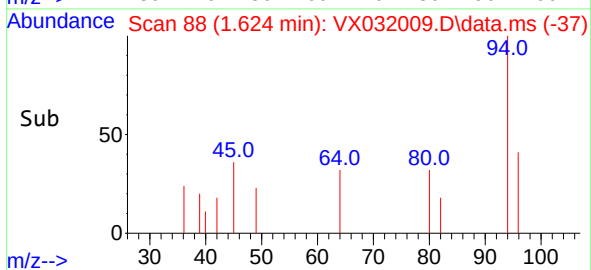
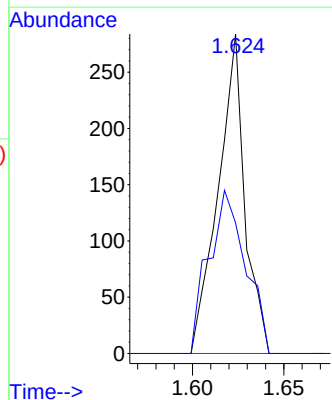
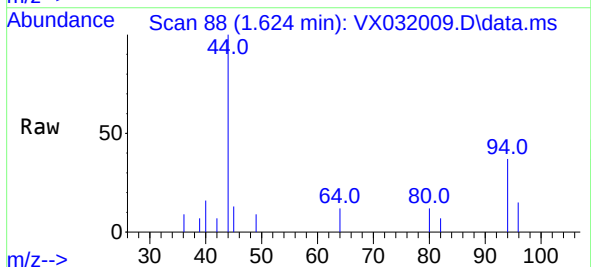
Instrument :  
MSVOA\_X  
ClientSampleId :  
5869-3

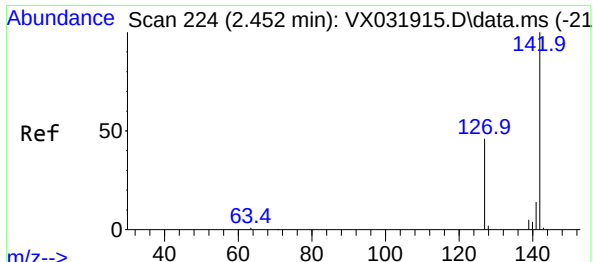
Tgt Ion:168 Resp: 63932  
Ion Ratio Lower Upper  
168 100  
99 58.3 48.8 73.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.624 min Scan# 88  
Delta R.T. 0.013 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

Tgt Ion: 94 Resp: 288  
Ion Ratio Lower Upper  
94 100  
96 40.8 74.4 111.6#

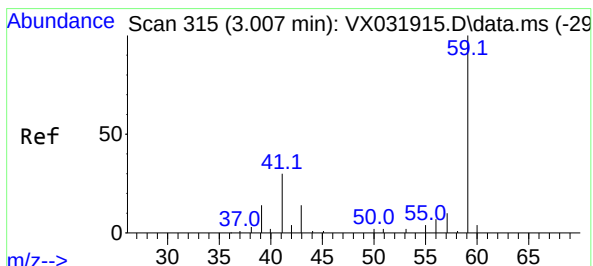
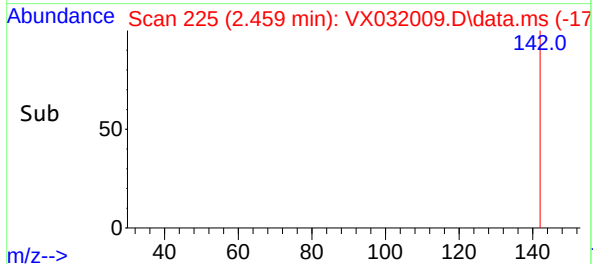
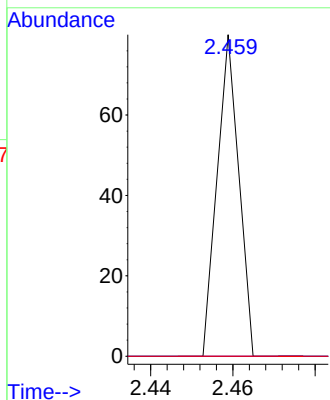
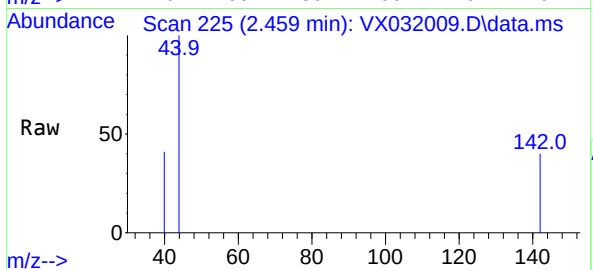




#10  
Methyl Iodide  
Concen: 2.780 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

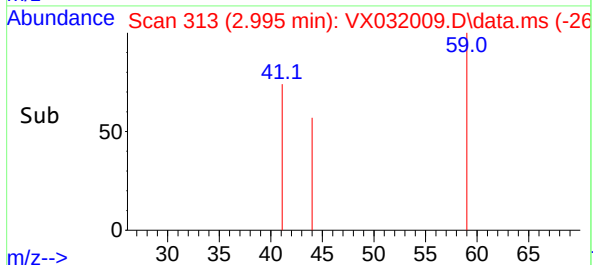
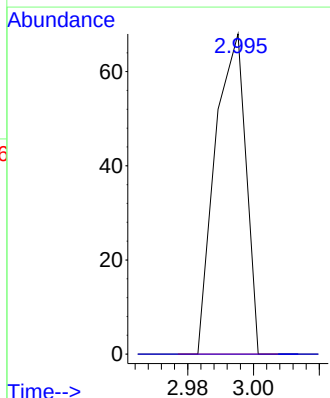
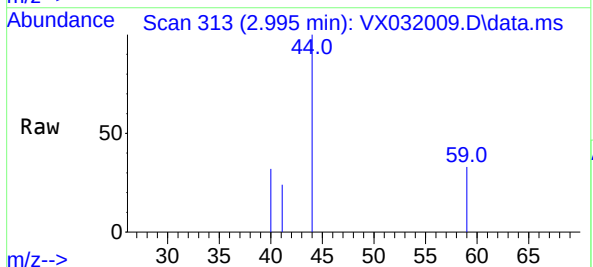
Instrument :  
MSVOA\_X  
ClientSampleId :  
5869-3

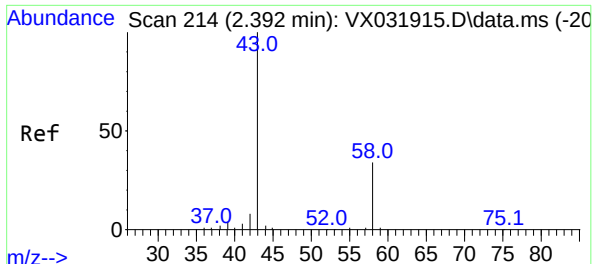
Tgt Ion:142 Resp: 29  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.4 56.0#  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 0.268 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.012 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

Tgt Ion: 59 Resp: 44  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

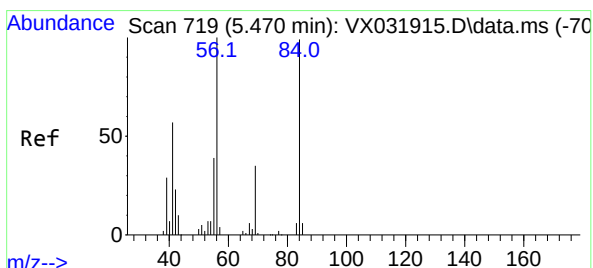
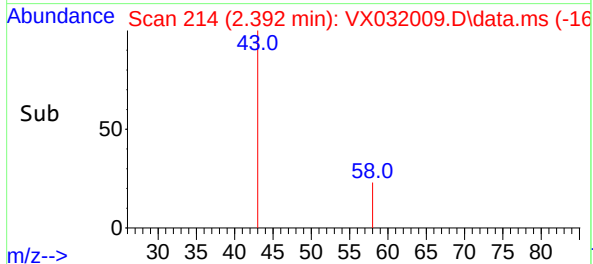
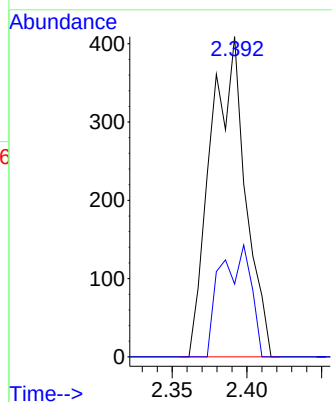
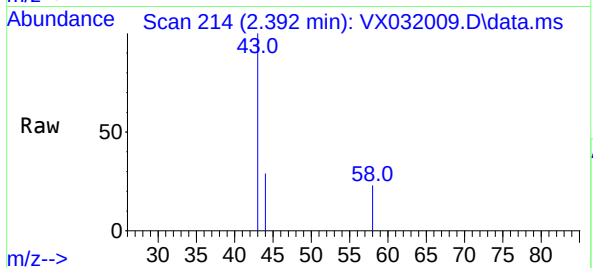




#16  
Acetone  
Concen: 1.475 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

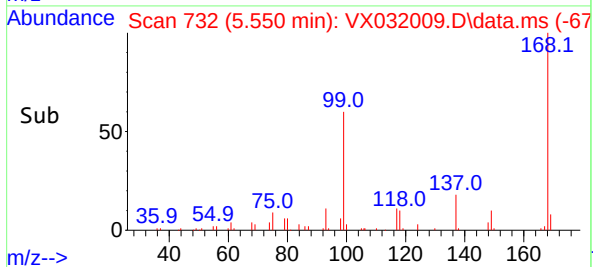
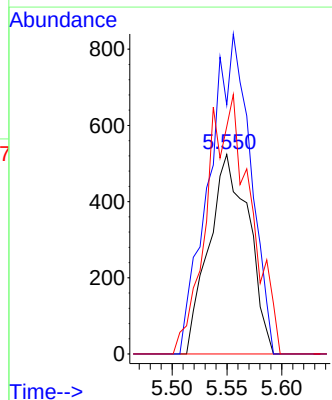
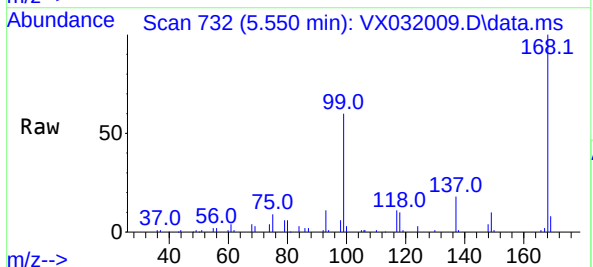
Instrument : MSVOA\_X  
ClientSampleId : 5869-3

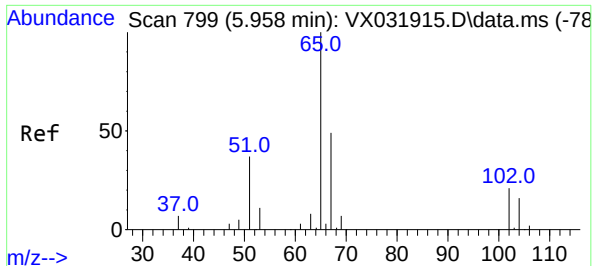
Tgt Ion: 43 Resp: 662  
Ion Ratio Lower Upper  
43 100  
58 22.7 23.8 35.8#



#31  
Cyclohexane  
Concen: 0.839 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.080 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

Tgt Ion: 56 Resp: 1324  
Ion Ratio Lower Upper  
56 100  
69 124.8 25.1 37.7#  
84 113.9 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 49.257 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032009.D

Acq: 10 Oct 2022 13:58

Instrument :

MSVOA\_X

ClientSampleId :

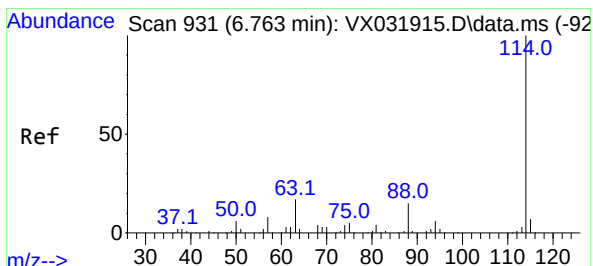
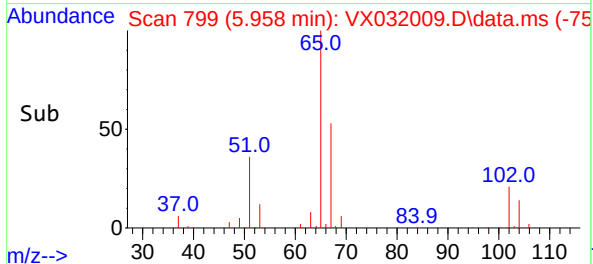
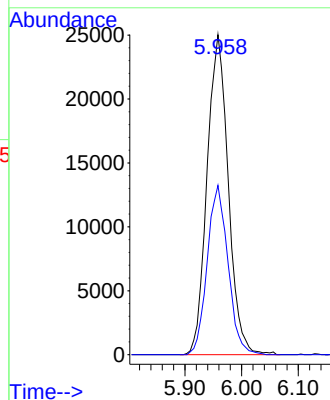
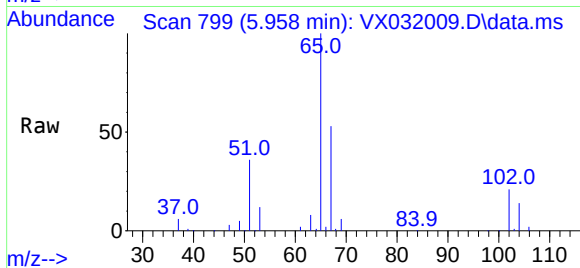
5869-3

Tgt Ion: 65 Resp: 65035

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032009.D

Acq: 10 Oct 2022 13:58

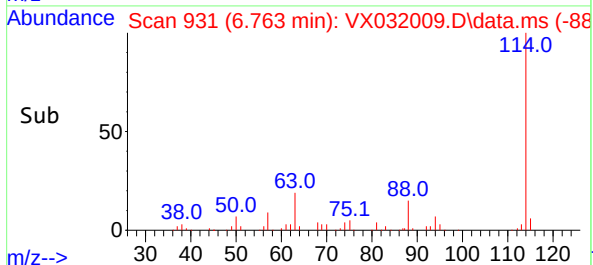
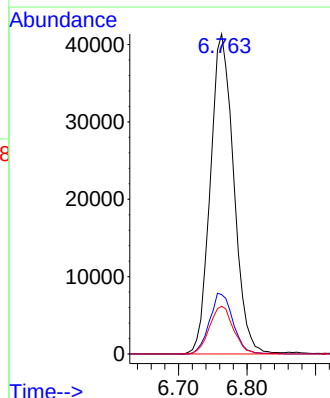
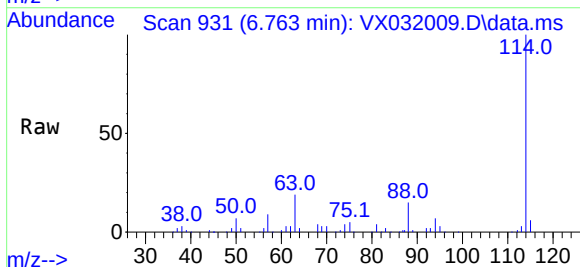
Tgt Ion: 114 Resp: 97949

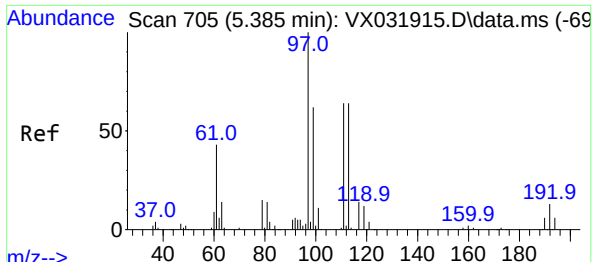
Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

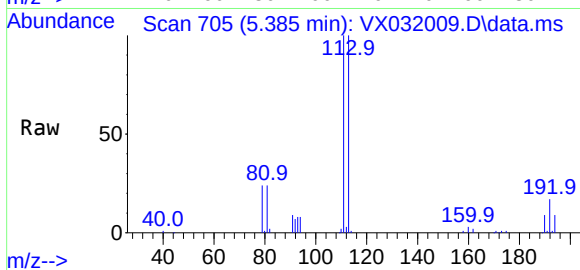
88 14.9 0.0 33.0



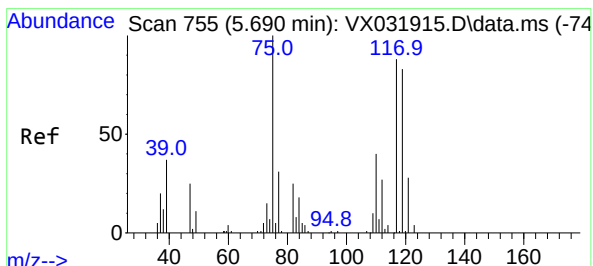
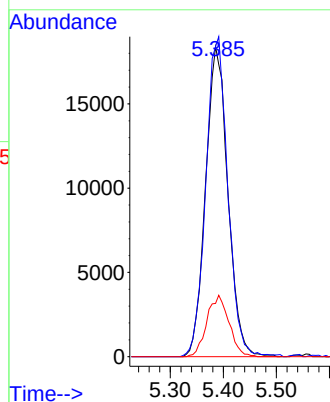
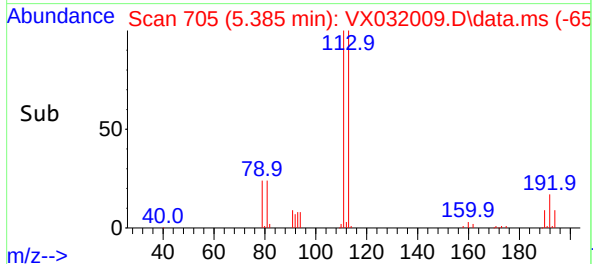


#35  
Dibromofluoromethane  
Concen: 48.421 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

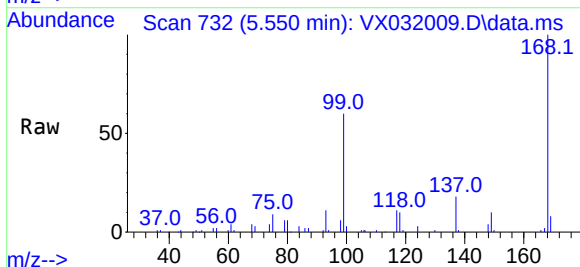
Instrument :  
MSVOA\_X  
ClientSampleId :  
5869-3



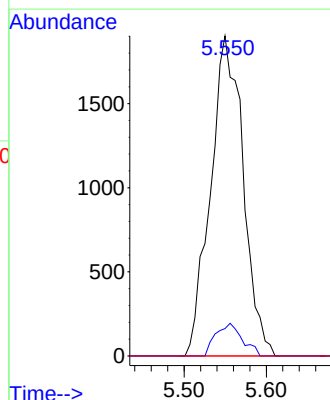
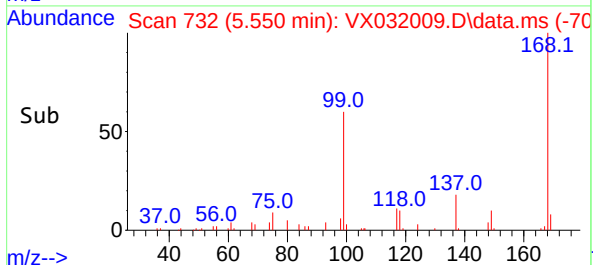
Tgt Ion:113 Resp: 53686  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.4 123.6  
192 19.6 14.1 21.1

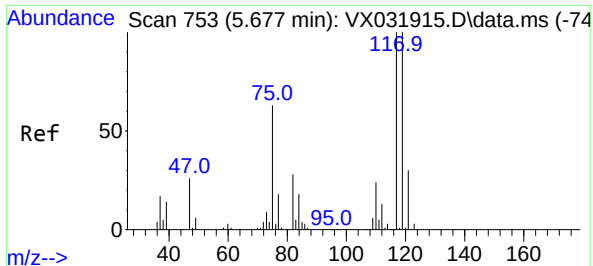


#36  
1,1-Dichloropropene  
Concen: 3.567 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58



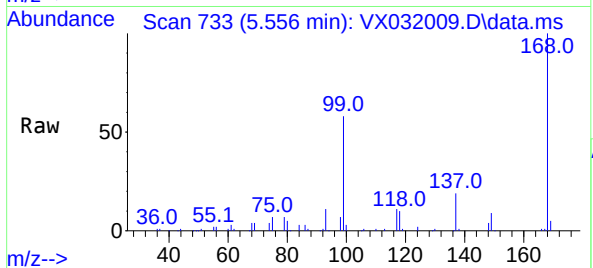
Tgt Ion: 75 Resp: 5245  
Ion Ratio Lower Upper  
75 100  
110 8.3 17.5 52.5#  
77 0.0 24.9 37.3#



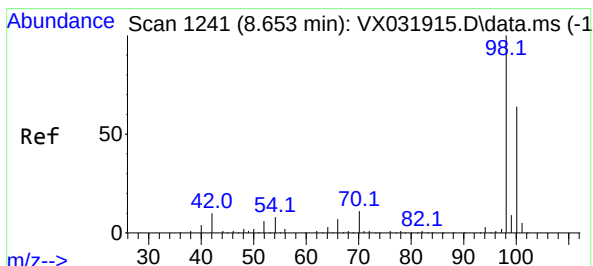
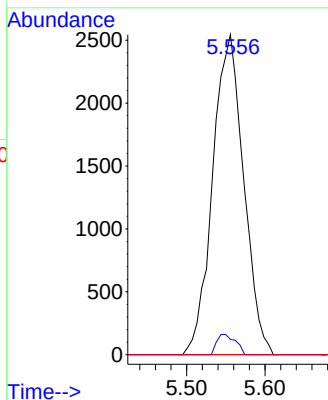
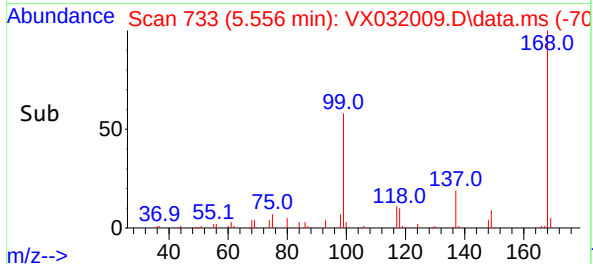


#38  
Carbon Tetrachloride  
Concen: 4.656 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.121 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
5869-3

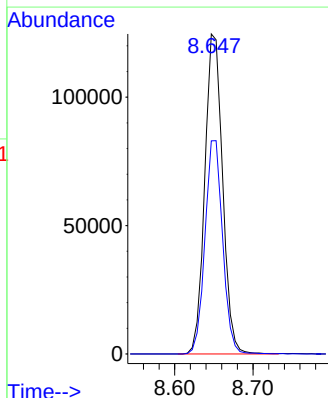
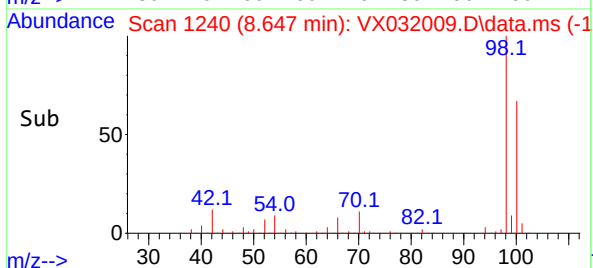
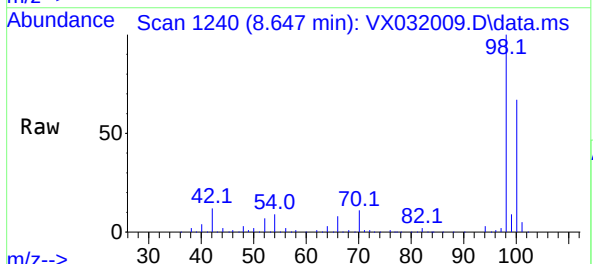


Tgt Ion:117 Resp: 7000  
Ion Ratio Lower Upper  
117 100  
119 4.8 74.6 112.0#  
121 0.0 25.3 37.9#

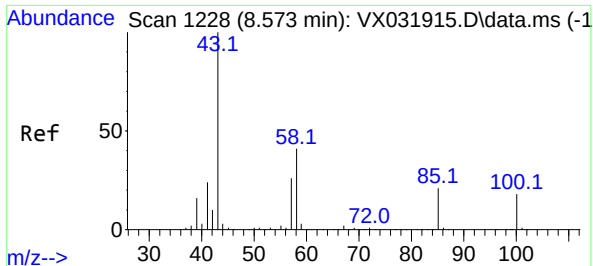


#50  
Toluene-d8  
Concen: 49.239 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

Tgt Ion: 98 Resp: 196445  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.5 78.7







#51

4-Methyl-2-Pentanone

Concen: 0.668 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX032009.D

Acq: 10 Oct 2022 13:58

Instrument :

MSVOA\_X

ClientSampleId :

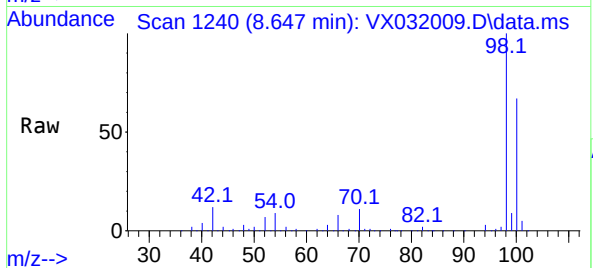
5869-3

Tgt Ion: 43 Resp: 930

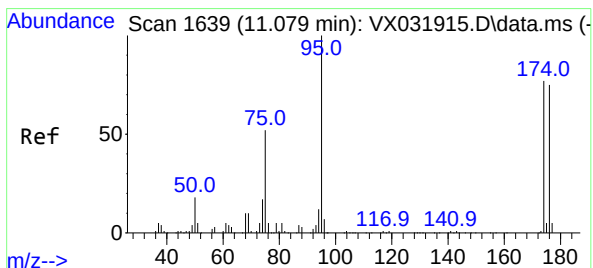
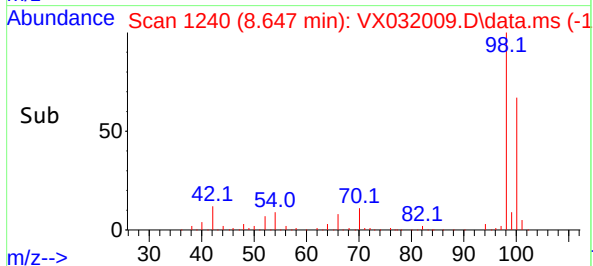
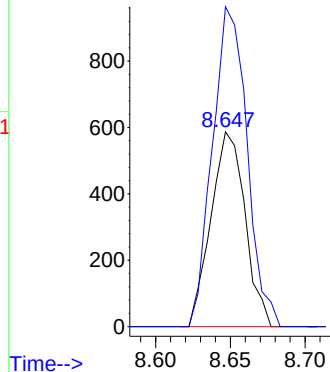
Ion Ratio Lower Upper

43 100

58 166.6 30.6 46.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 44.552 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032009.D

Acq: 10 Oct 2022 13:58

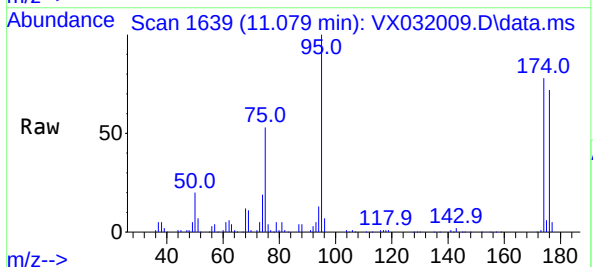
Tgt Ion: 95 Resp: 62838

Ion Ratio Lower Upper

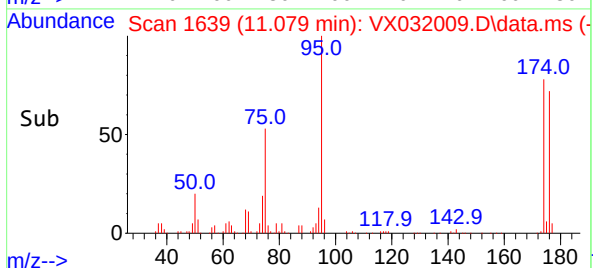
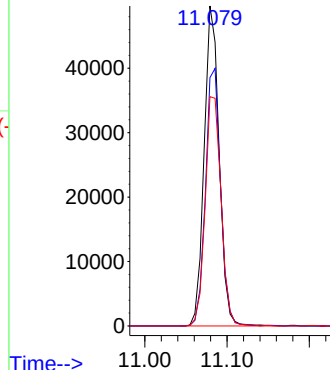
95 100

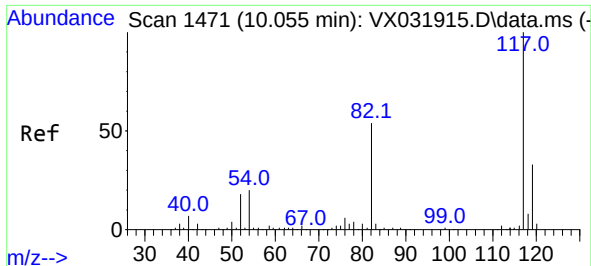
174 81.4 0.0 153.2

176 76.1 0.0 144.0



Abundance

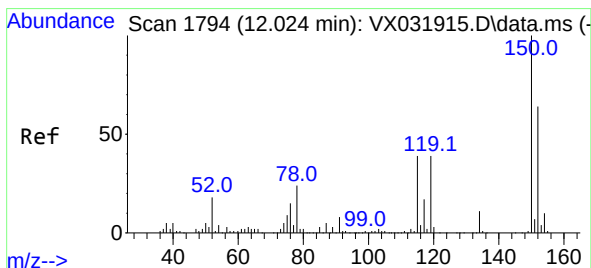
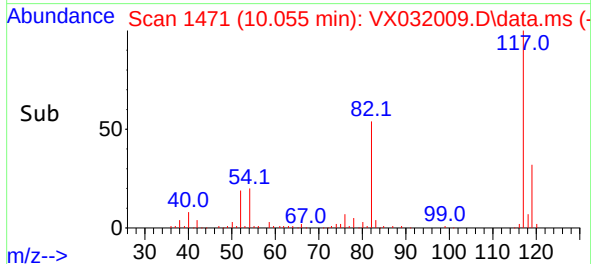
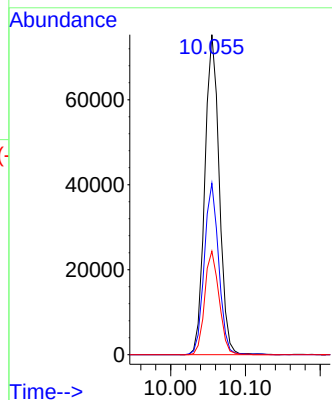
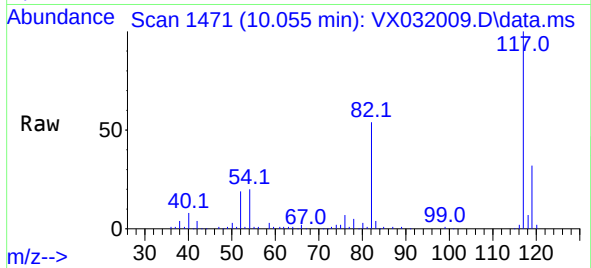




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

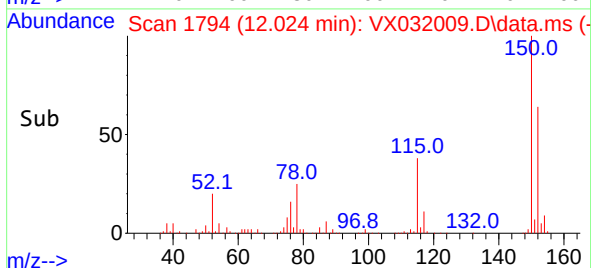
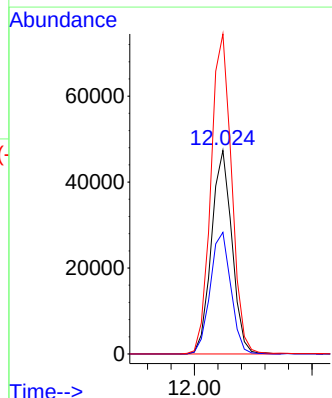
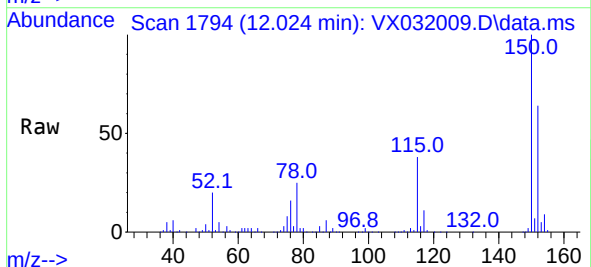
Instrument :  
MSVOA\_X  
ClientSampleId :  
5869-3

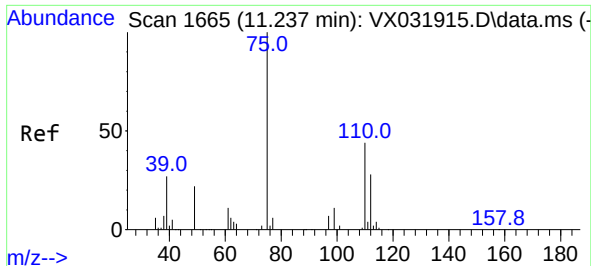
Tgt Ion:117 Resp: 100861  
Ion Ratio Lower Upper  
117 100  
82 53.6 46.8 70.2  
119 32.3 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

Tgt Ion:152 Resp: 57401  
Ion Ratio Lower Upper  
152 100  
115 60.2 43.4 130.1  
150 158.6 0.0 346.8

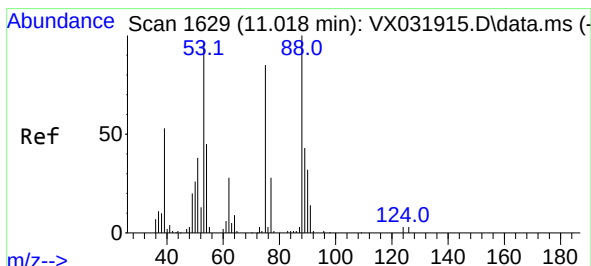
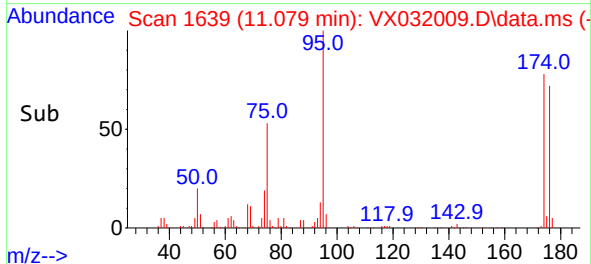
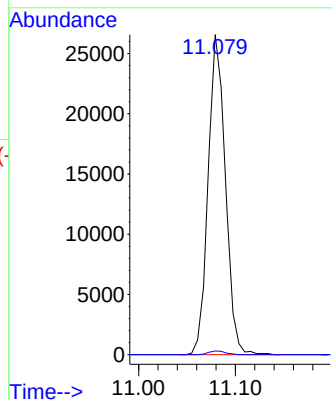
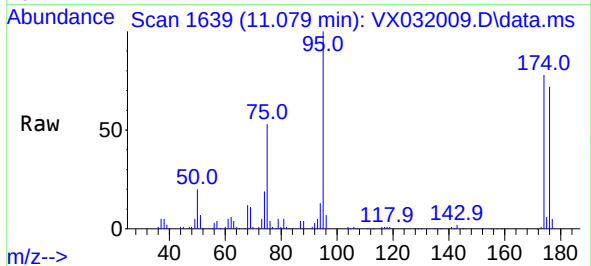




#76  
1,2,3-Trichloropropane  
Concen: 28.076 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
5869-3

Tgt Ion: 75 Resp: 33029  
Ion Ratio Lower Upper  
75 100  
77 1.2 20.3 60.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 96.059 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX032009.D  
Acq: 10 Oct 2022 13:58

Tgt Ion: 75 Resp: 33029  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.6 116.4#  
89 0.0 37.4 56.0#

