

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051923\  
 Data File : VX035768.D  
 Acq On : 19 May 2023 18:14  
 Operator : JC/MD  
 Sample : 02860-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 22 05:19:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

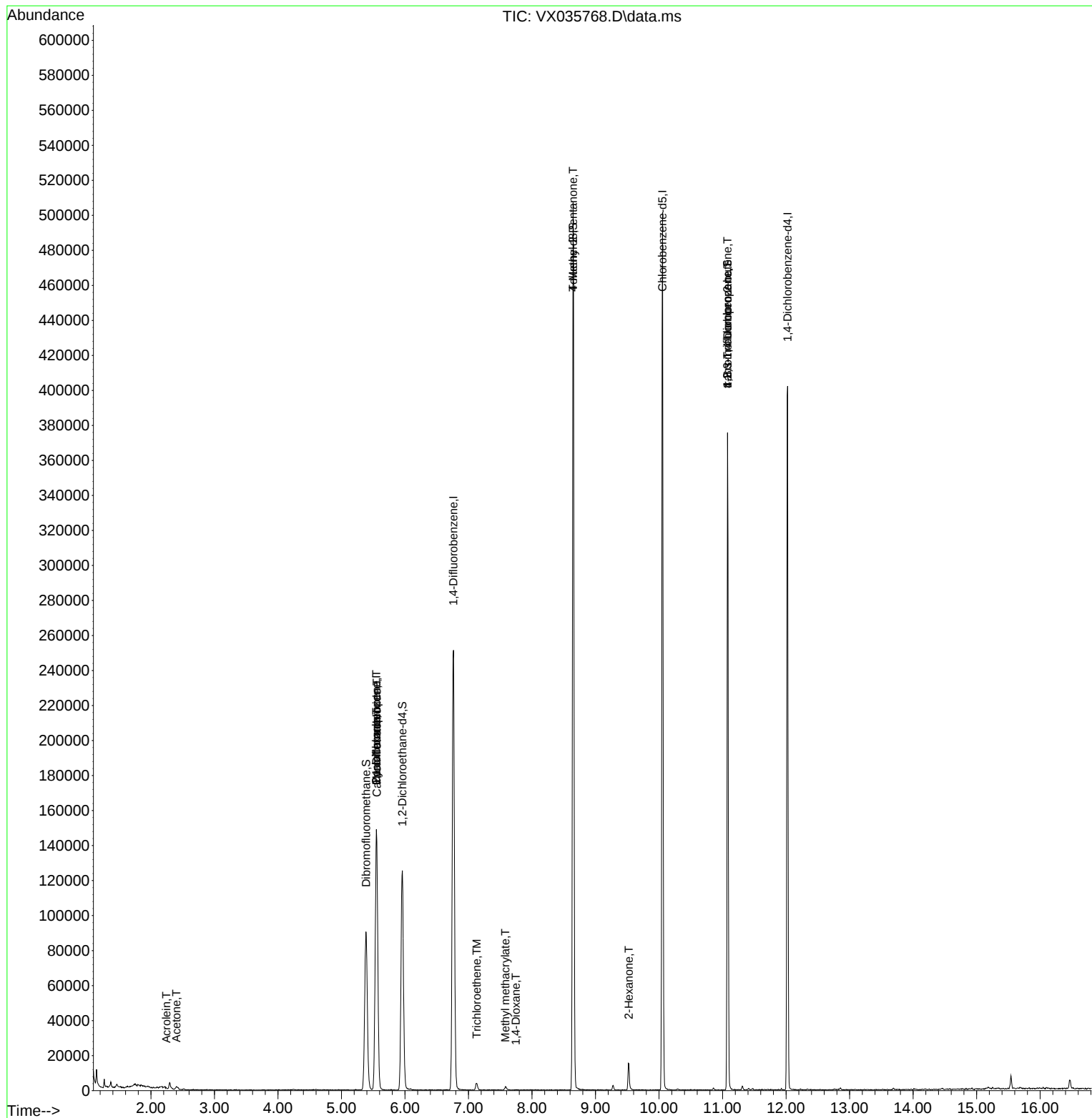
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.549  | 168   | 126500   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 242509   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 199563   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 77255    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 128731   | 58.333   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 116.660% |
| 35) Dibromofluoromethane      | 5.385  | 113   | 78230    | 47.833   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 95.660%  |
| 50) Toluene-d8                | 8.646  | 98    | 281341   | 46.565   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 93.140%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 98739    | 40.588   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 81.180%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          |        | Qvalue   |
| 13) Acrolein                  | 2.239  | 56    | 128      | 0.277    | ug/l   | 94       |
| 16) Acetone                   | 2.398  | 43    | 2661     | 2.806    | ug/l   | 99       |
| 31) Cyclohexane               | 5.549  | 56    | 3694     | 1.325    | ug/l # | 38       |
| 36) 1,1-Dichloropropene       | 5.549  | 75    | 12076    | 4.678    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 14751    | 6.032    | ug/l # | 15       |
| 44) Trichloroethene           | 7.128  | 130   | 1593     | 0.870    | ug/l   | 69       |
| 48) Methyl methacrylate       | 7.580  | 41    | 862      | 0.372    | ug/l # | 39       |
| 49) 1,4-Dioxane               | 7.744  | 88    | 31       | 2.604    | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.646  | 43    | 1792     | 0.662    | ug/l # | 1        |
| 59) 2-Hexanone                | 9.524  | 43    | 2609     | 1.281    | ug/l # | 47       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 54778    | 28.988   | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 54778    | 93.424   | ug/l # | 8        |
| -----                         |        |       |          |          |        |          |

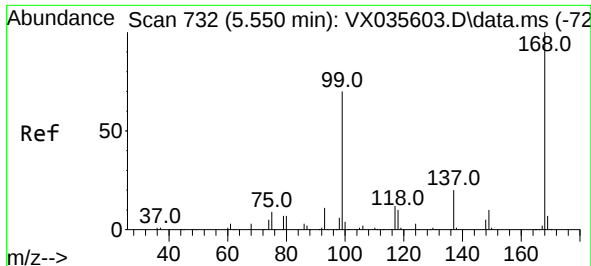
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051923\  
Data File : VX035768.D  
Acq On : 19 May 2023 18:14  
Operator : JC/MD  
Sample : 02860-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

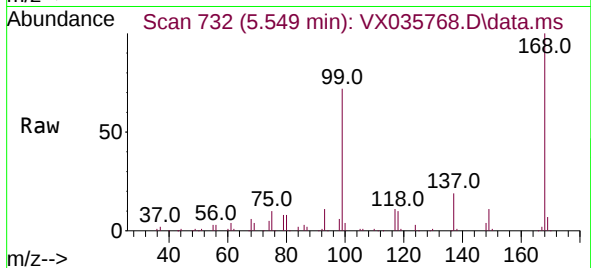
Quant Time: May 22 05:19:39 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 11 13:57:54 2023  
Response via : Initial Calibration



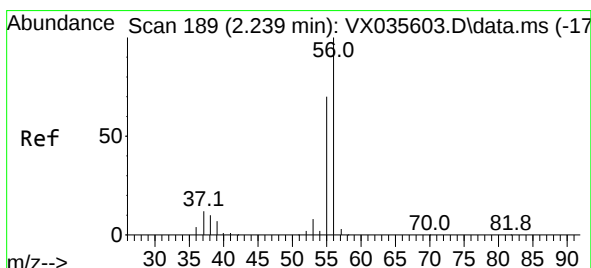
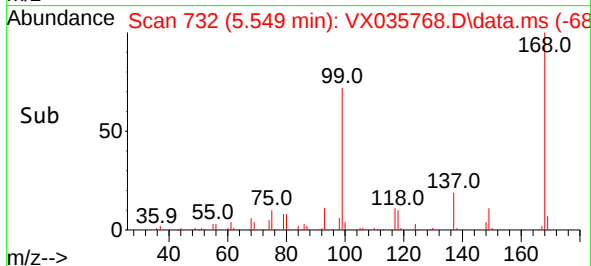
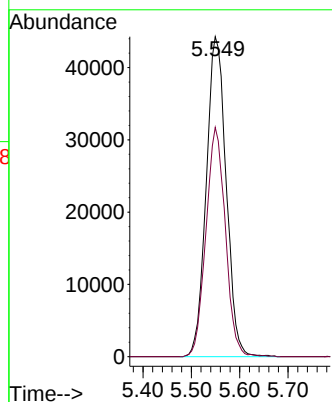


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

Instrument :  
MSVOA\_X  
ClientSampleId :

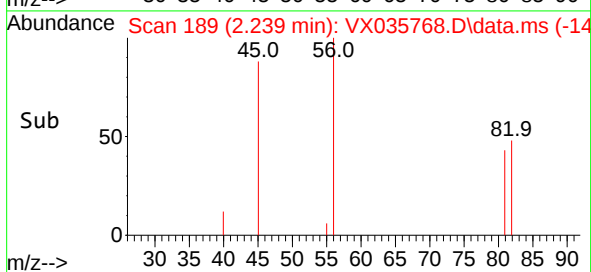
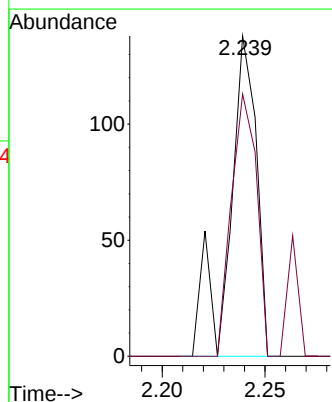
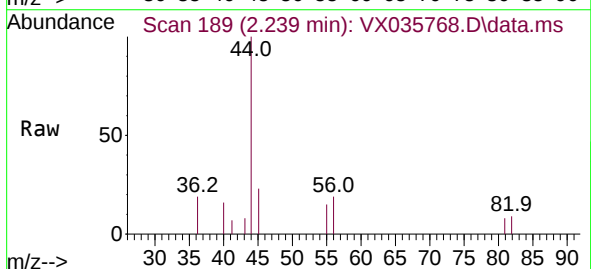


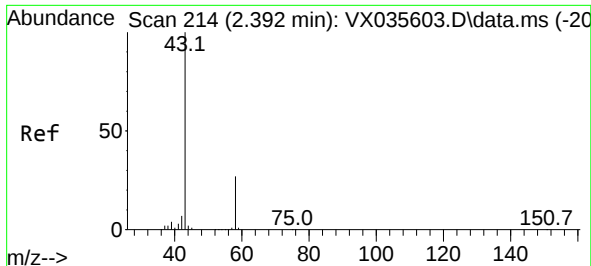
Tgt Ion:168 Resp: 126500  
Ion Ratio Lower Upper  
168 100  
99 71.7 45.7 68.5#



#13  
Acrolein  
Concen: 0.277 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.000 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

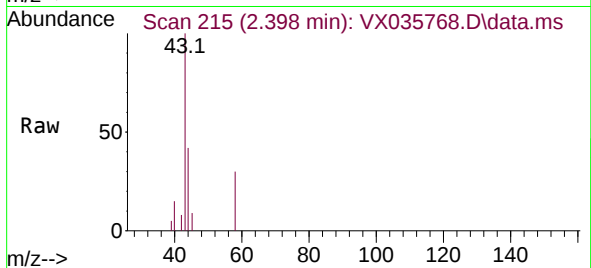
Tgt Ion: 56 Resp: 128  
Ion Ratio Lower Upper  
56 100  
55 75.8 56.6 85.0



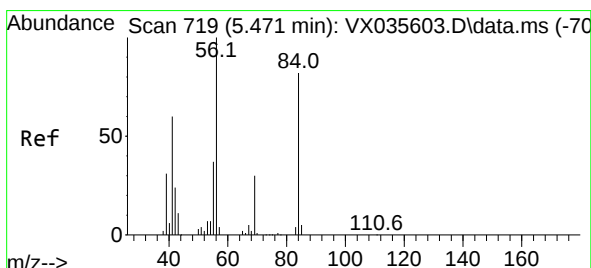
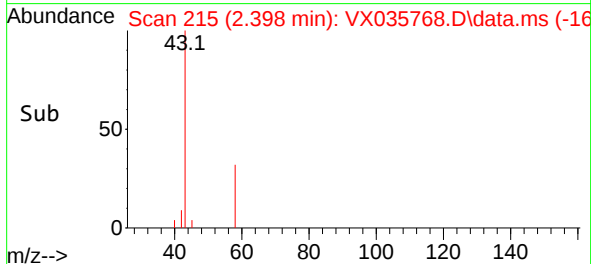
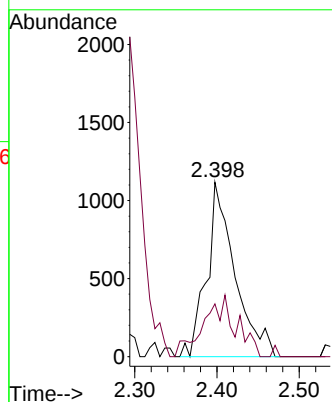


#16  
Acetone  
Concen: 2.806 ug/l  
RT: 2.398 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

Instrument :  
MSVOA\_X  
ClientSampleId :

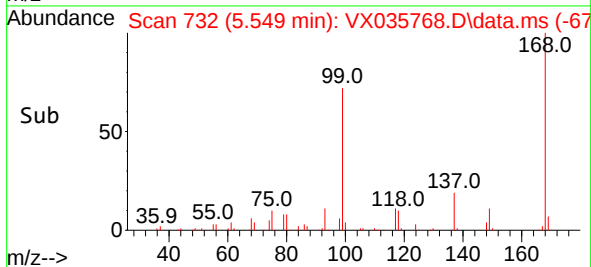
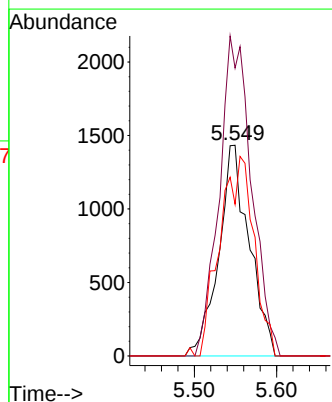
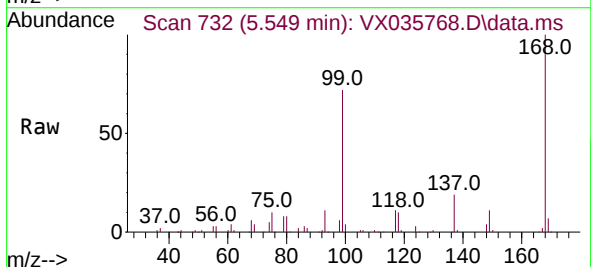


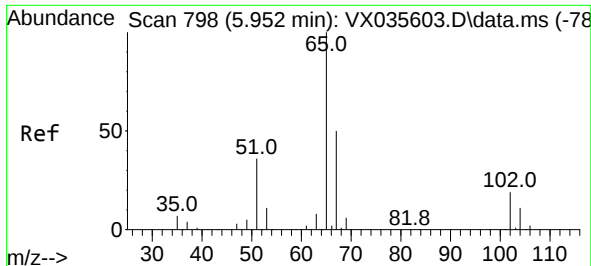
Tgt Ion: 43 Resp: 2661  
Ion Ratio Lower Upper  
43 100  
58 30.3 24.7 37.1



#31  
Cyclohexane  
Concen: 1.325 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. 0.078 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

Tgt Ion: 56 Resp: 3694  
Ion Ratio Lower Upper  
56 100  
69 136.5 23.7 35.5#  
84 72.0 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 58.333 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035768.D

Acq: 19 May 2023 18:14

Instrument :

MSVOA\_X

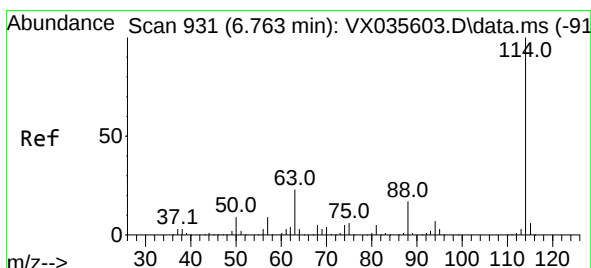
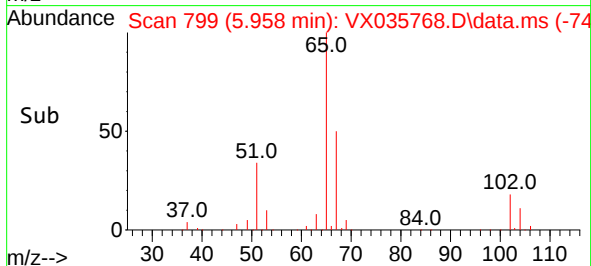
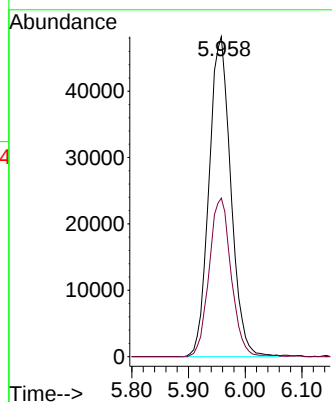
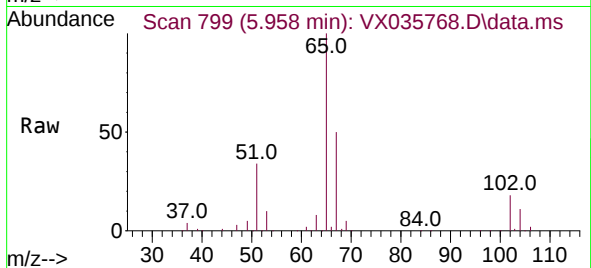
ClientSampleId :

Tgt Ion: 65 Resp: 128731

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035768.D

Acq: 19 May 2023 18:14

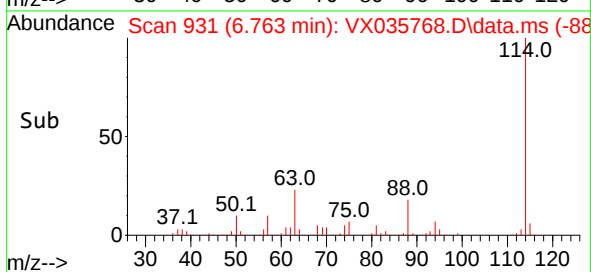
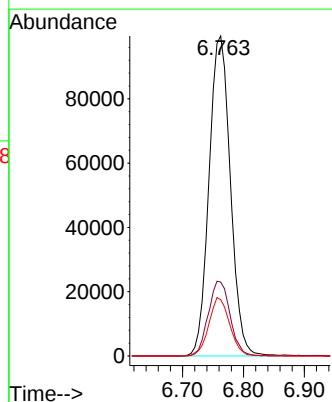
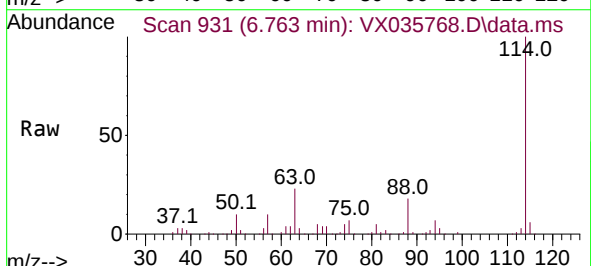
Tgt Ion: 114 Resp: 242509

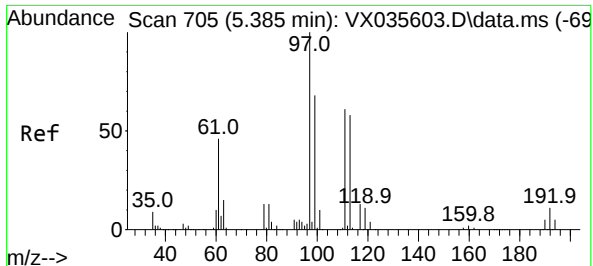
Ion Ratio Lower Upper

114 100

63 23.1 0.0 42.2

88 17.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.833 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

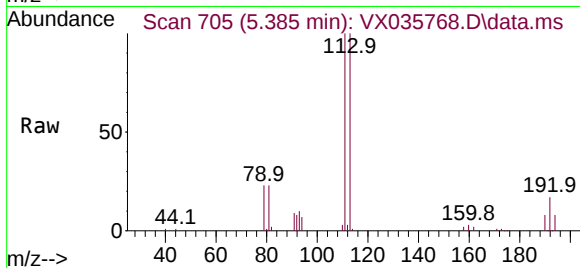
Lab File: VX035768.D

Acq: 19 May 2023 18:14

Instrument :

MSVOA\_X

ClientSampleId :



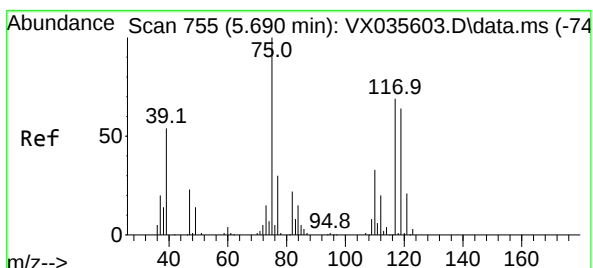
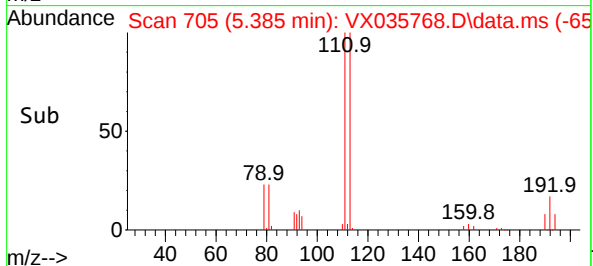
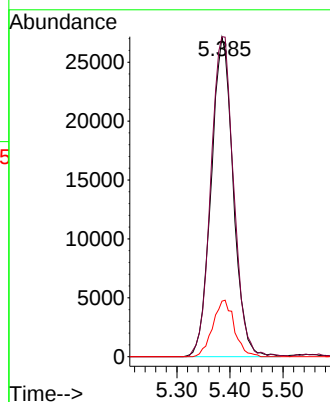
Tgt Ion:113 Resp: 78230

Ion Ratio Lower Upper

113 100

111 103.7 83.7 125.5

192 17.3 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX035768.D

Acq: 19 May 2023 18:14

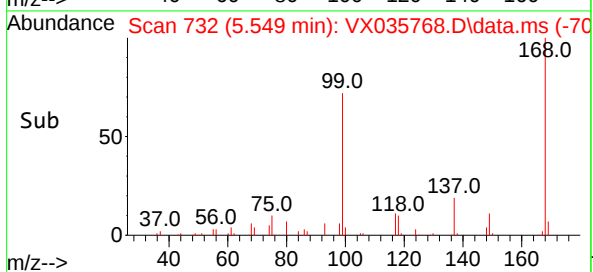
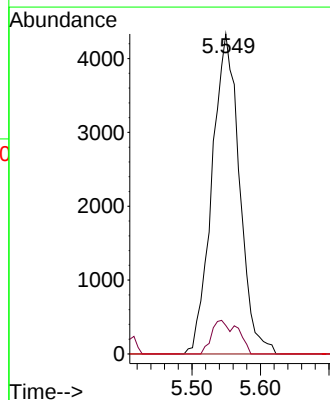
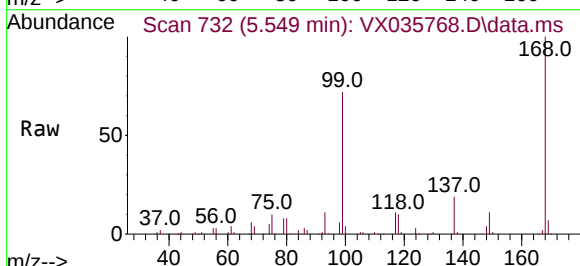
Tgt Ion: 75 Resp: 12076

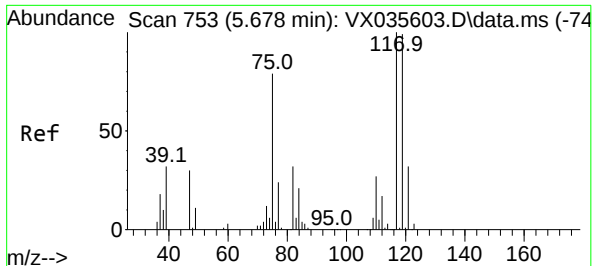
Ion Ratio Lower Upper

75 100

110 9.9 17.5 52.5#

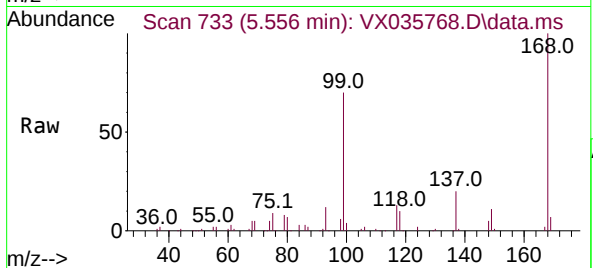
77 0.0 24.3 36.5#



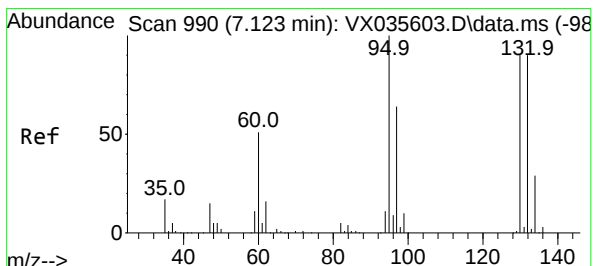
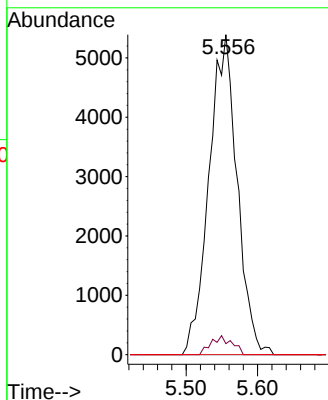
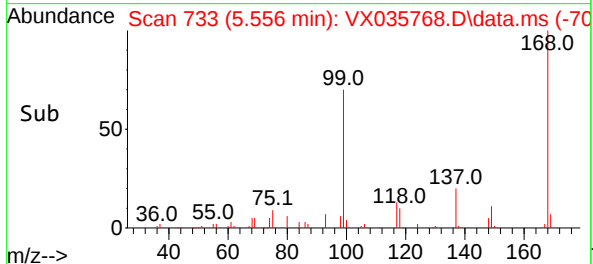


#38  
Carbon Tetrachloride  
Concen: 6.032 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

Instrument :  
MSVOA\_X  
ClientSampleId :

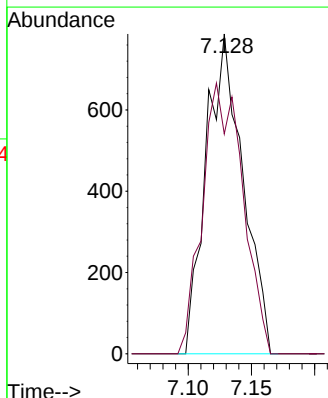
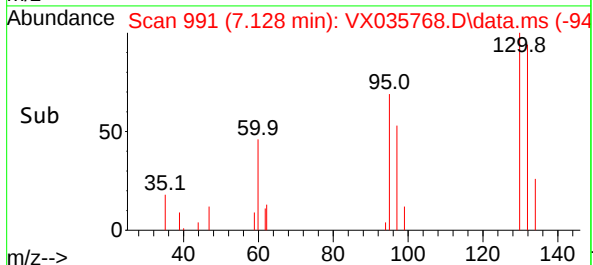
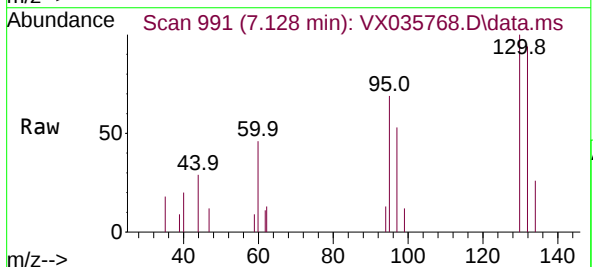


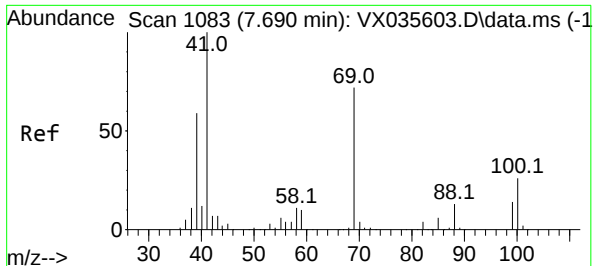
Tgt Ion:117 Resp: 14751  
Ion Ratio Lower Upper  
117 100  
119 3.5 76.6 114.8#  
121 0.0 23.8 35.6#



#44  
Trichloroethene  
Concen: 0.870 ug/l  
RT: 7.128 min Scan# 991  
Delta R.T. 0.005 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

Tgt Ion:130 Resp: 1593  
Ion Ratio Lower Upper  
130 100  
95 68.7 0.0 198.4





#48

Methyl methacrylate

Concen: 0.372 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.110 min

Lab File: VX035768.D

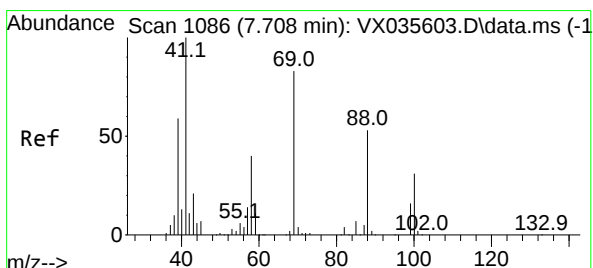
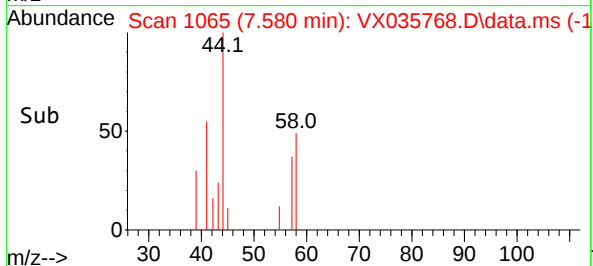
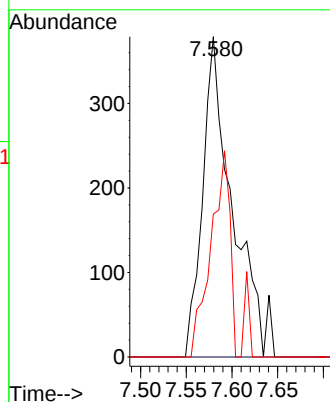
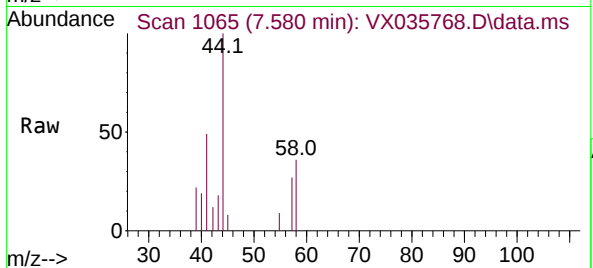
Acq: 19 May 2023 18:14

Instrument :

MSVOA\_X

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 862   |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 0.0   | 62.2  | 93.4# |
| 39        | 41.1  | 47.7  | 71.5# |



#49

1,4-Dioxane

Concen: 2.604 ug/l

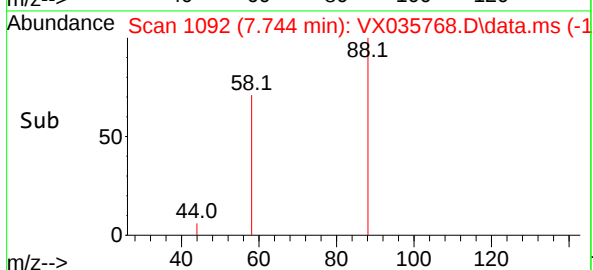
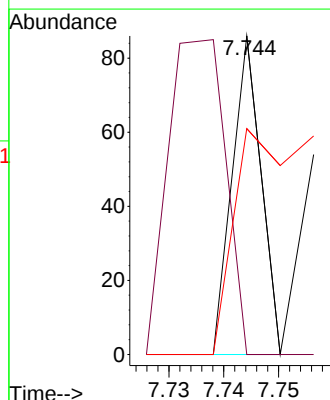
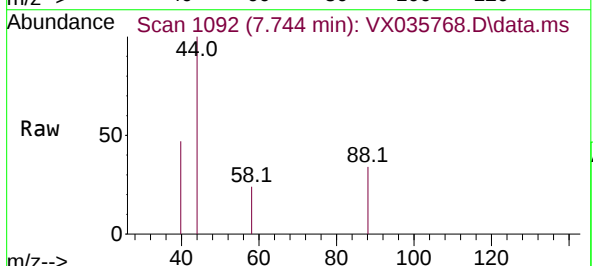
RT: 7.744 min Scan# 1092

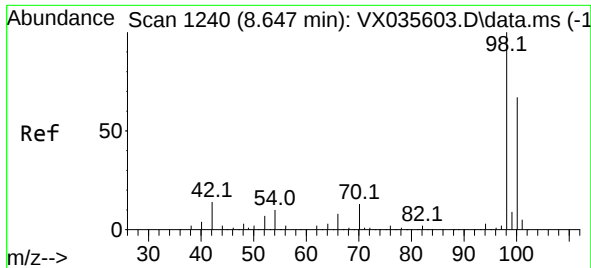
Delta R.T. 0.036 min

Lab File: VX035768.D

Acq: 19 May 2023 18:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 31    |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 200.0 | 27.7  | 41.5# |
| 58        | 203.2 | 56.8  | 85.2# |

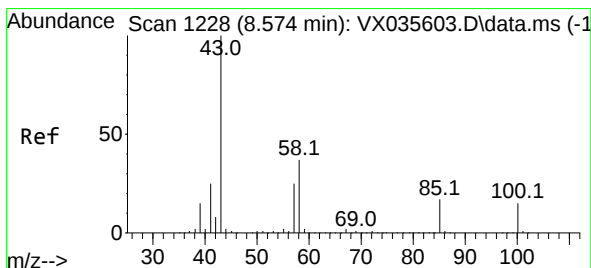
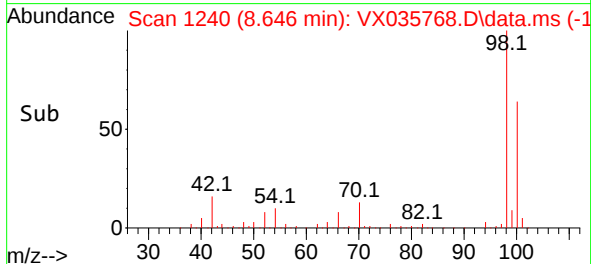
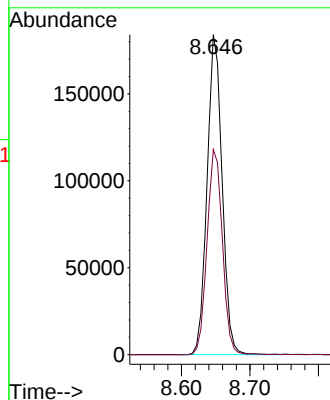
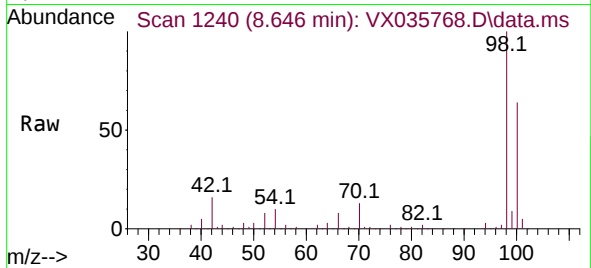




#50  
Toluene-d8  
Concen: 46.565 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

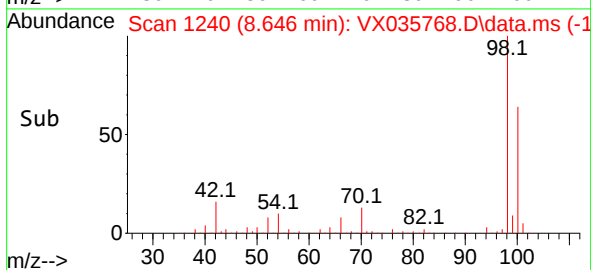
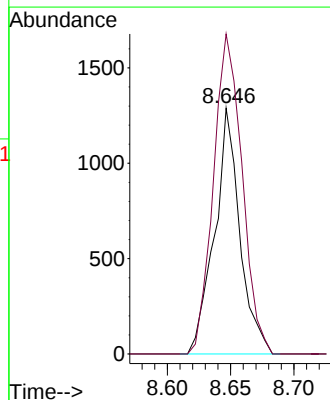
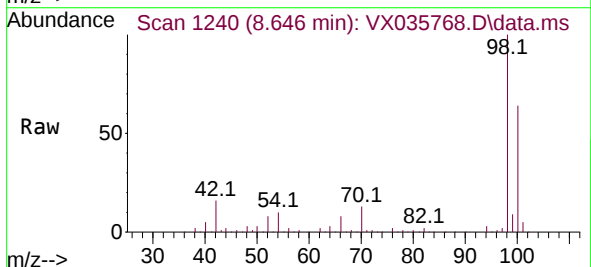
Instrument :  
MSVOA\_X  
ClientSampleId :

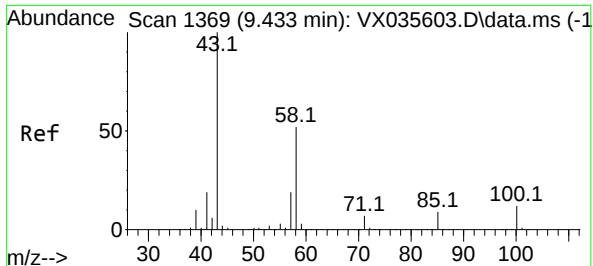
Tgt Ion: 98 Resp: 281341  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.662 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. 0.072 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

Tgt Ion: 43 Resp: 1792  
Ion Ratio Lower Upper  
43 100  
58 147.8 30.6 46.0#

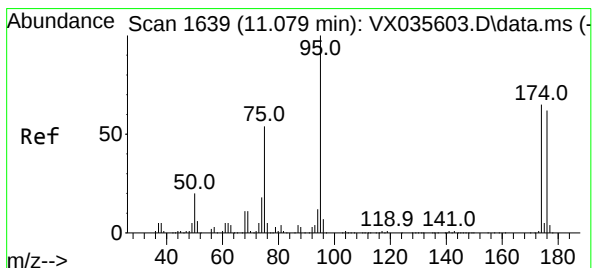
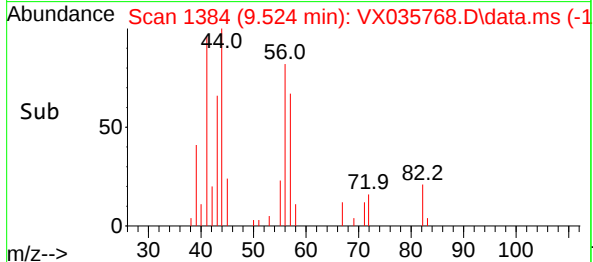
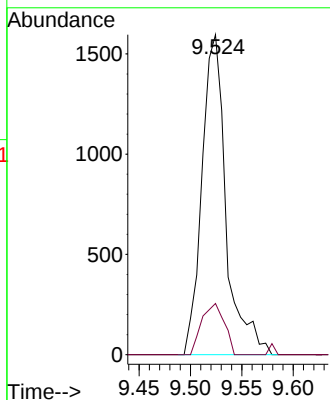
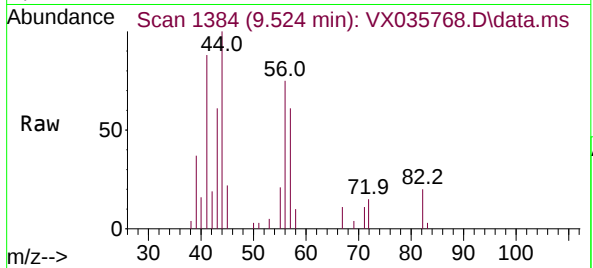




#59  
2-Hexanone  
Concen: 1.281 ug/l  
RT: 9.524 min Scan# 11  
Delta R.T. 0.091 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

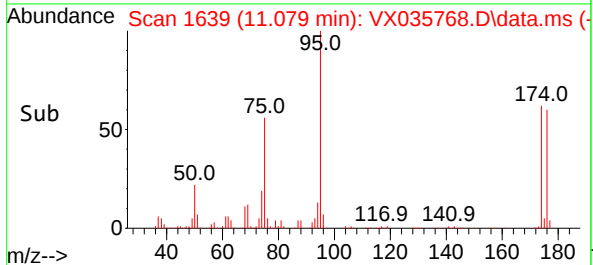
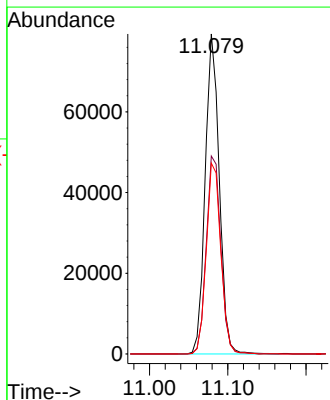
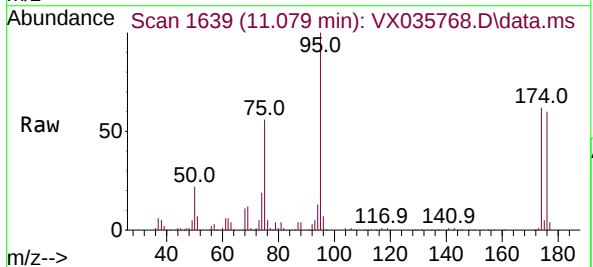
Instrument :  
MSVOA\_X  
ClientSampleId :

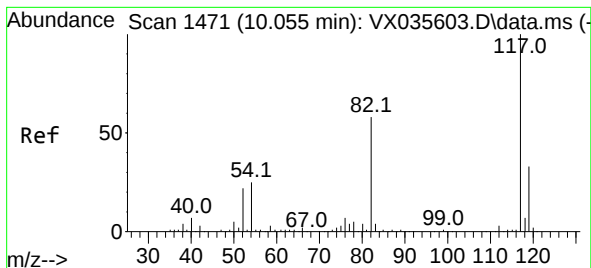
Tgt Ion: 43 Resp: 2609  
Ion Ratio Lower Upper  
43 100  
58 15.0 26.3 78.9#



#62  
4-Bromofluorobenzene  
Concen: 40.588 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

Tgt Ion: 95 Resp: 98739  
Ion Ratio Lower Upper  
95 100  
174 64.2 0.0 147.4  
176 61.7 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX035768.D

Acq: 19 May 2023 18:14

Instrument :

MSVOA\_X

ClientSampleId :

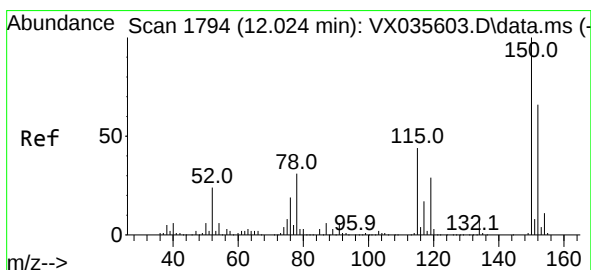
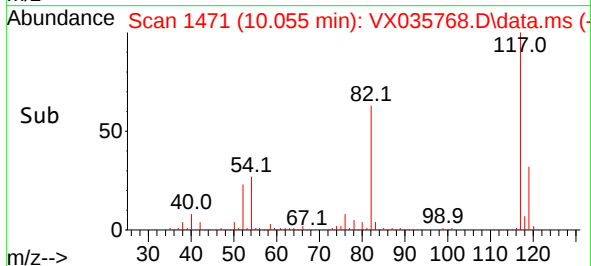
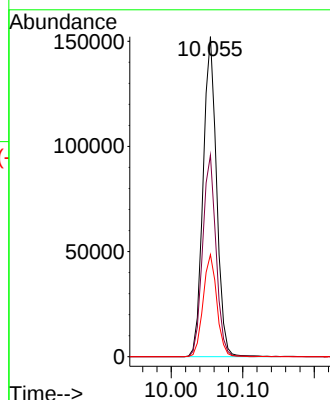
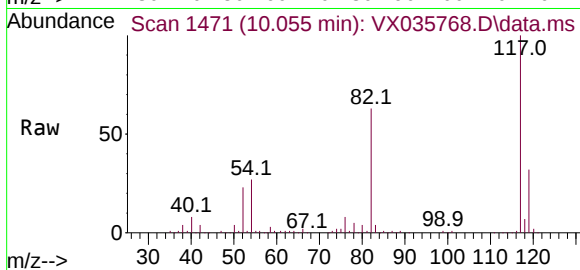
Tgt Ion:117 Resp: 199563

Ion Ratio Lower Upper

117 100

82 63.0 45.0 67.4

119 31.9 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX035768.D

Acq: 19 May 2023 18:14

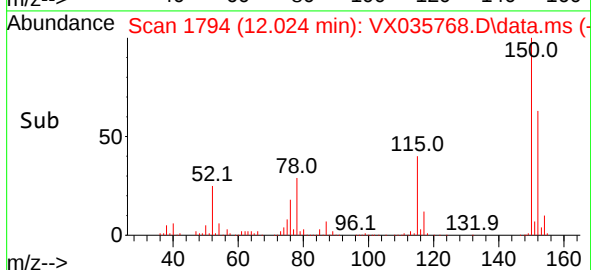
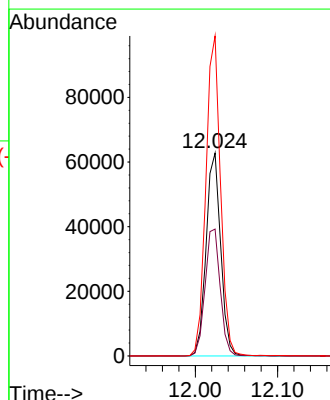
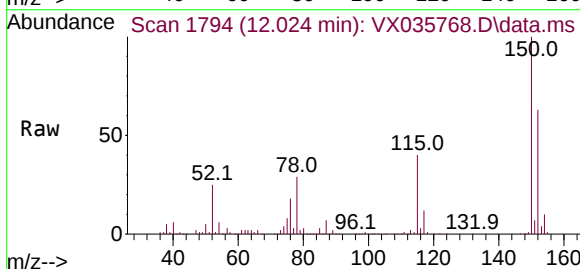
Tgt Ion:152 Resp: 77255

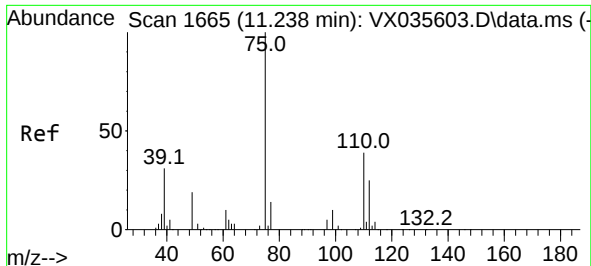
Ion Ratio Lower Upper

152 100

115 65.0 45.0 135.0

150 158.0 0.0 352.4

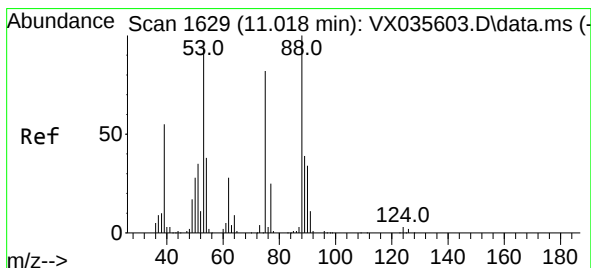
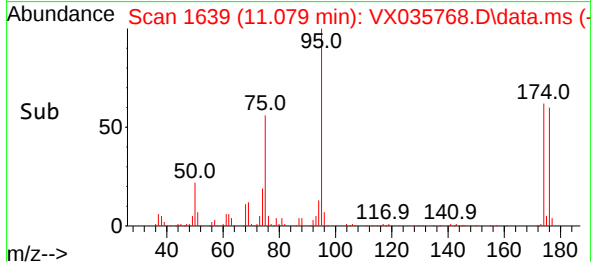
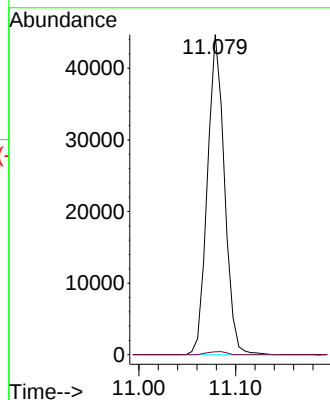
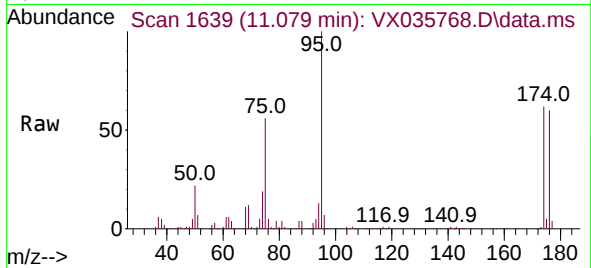




#76  
1,2,3-Trichloropropane  
Concen: 28.988 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 54778  
Ion Ratio Lower Upper  
75 100  
77 1.0 21.6 64.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.424 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX035768.D  
Acq: 19 May 2023 18:14

Tgt Ion: 75 Resp: 54778  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#

