

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092023\  
 Data File : VX037833.D  
 Acq On : 20 Sep 2023 15:06  
 Operator : JC/MD  
 Sample : 04526-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 21 05:57:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

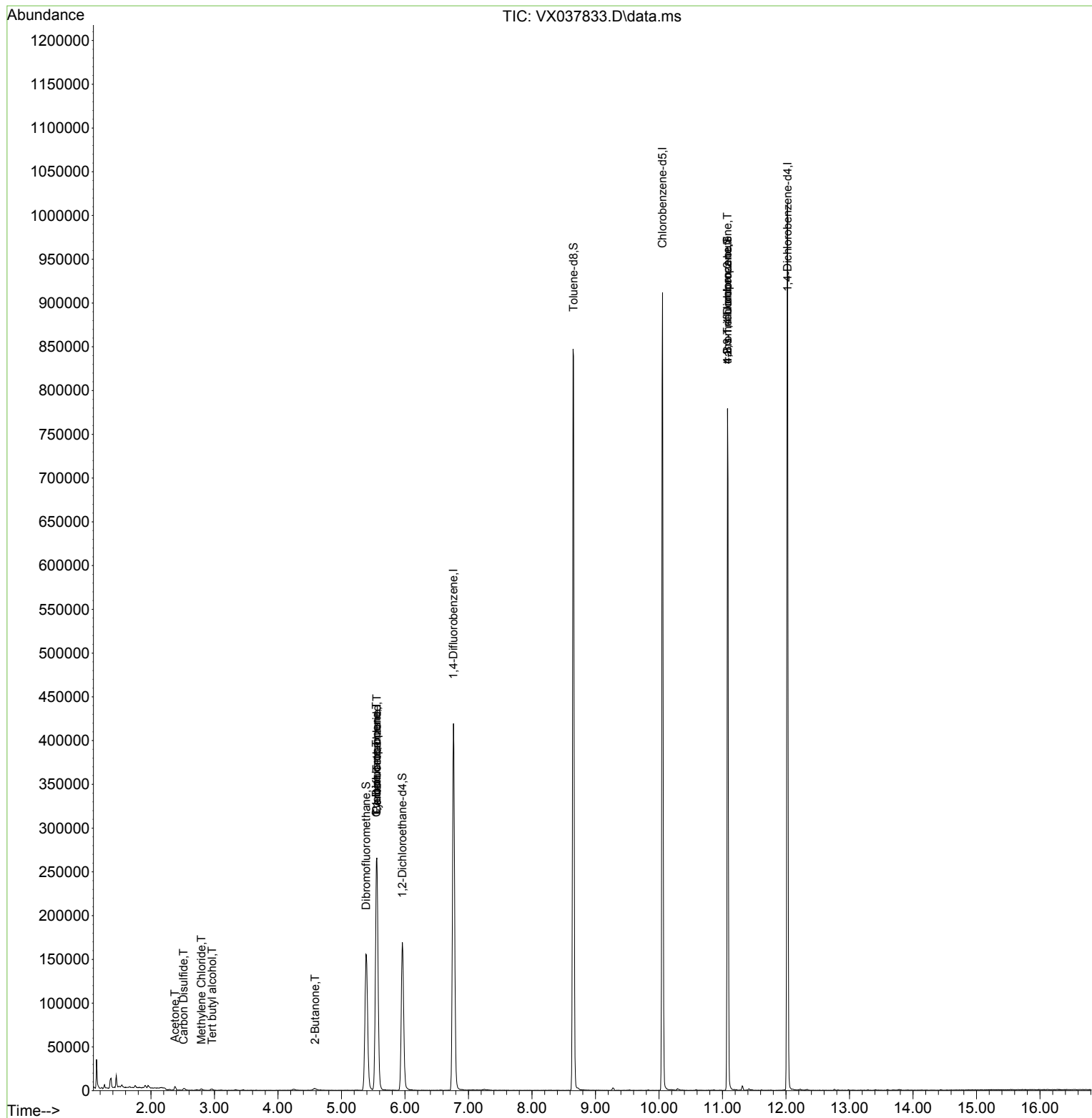
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 258535   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 434984   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 417236   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 219074   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 161788   | 47.630   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 95.260%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 138156   | 47.468   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 94.940%  |
| 50) Toluene-d8                | 8.653  | 98    | 528991   | 48.916   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.840%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 201012   | 51.152   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 102.300% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.965  | 59    | 1645     | 2.256    | ug/l # | 88       |
| 16) Acetone                   | 2.380  | 43    | 4305     | 2.635    | ug/l   | 99       |
| 17) Carbon Disulfide          | 2.514  | 76    | 1774     | 0.281    | ug/l   | 99       |
| 20) Methylene Chloride        | 2.794  | 84    | 865      | 0.261    | ug/l # | 70       |
| 25) 2-Butanone                | 4.587  | 43    | 2018     | 0.875    | ug/l # | 71       |
| 31) Cyclohexane               | 5.550  | 56    | 5478     | 1.256    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 19107    | 4.766    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 25789    | 6.148    | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 102395   | 20.208   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 102395   | 64.735   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

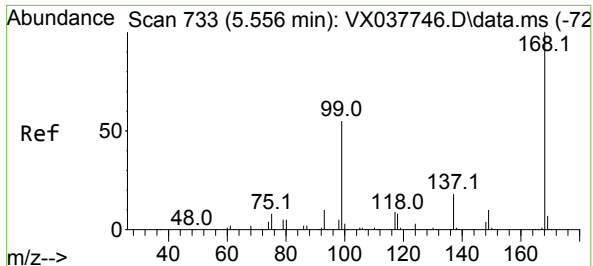
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092023\  
Data File : VX037833.D  
Acq On : 20 Sep 2023 15:06  
Operator : JC/MD  
Sample : 04526-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

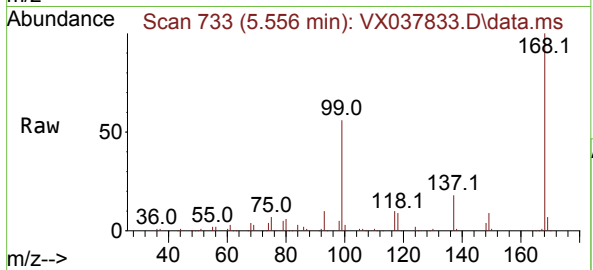
Quant Time: Sep 21 05:57:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 2023  
Response via : Initial Calibration



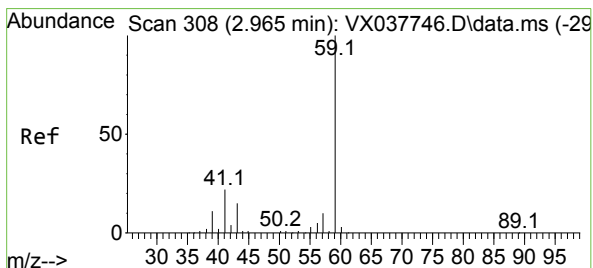
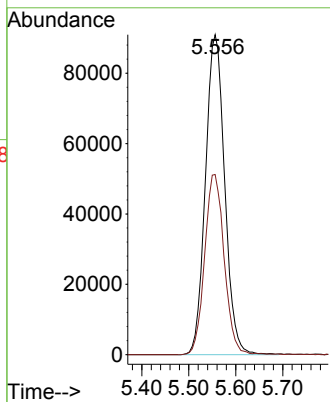
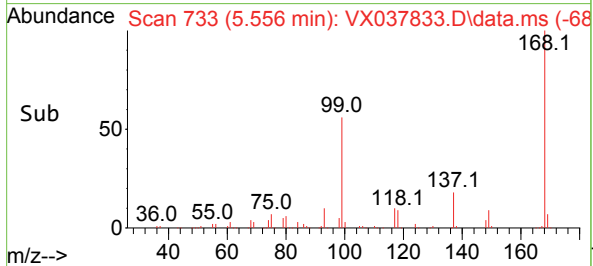


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

Instrument :  
MSVOA\_X  
ClientSampleId :

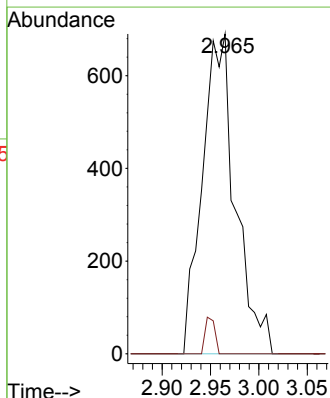
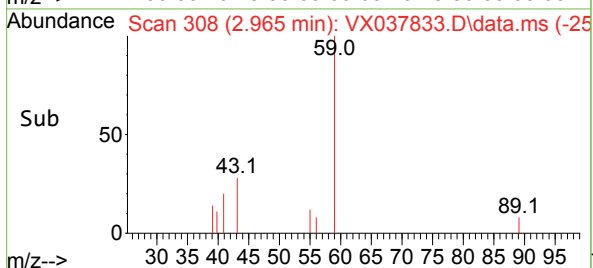
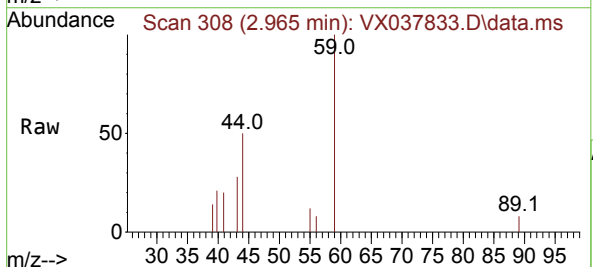


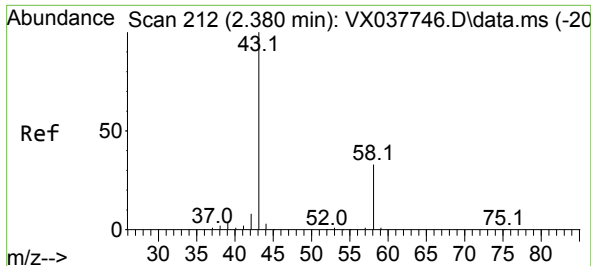
Tgt Ion:168 Resp: 258535  
Ion Ratio Lower Upper  
168 100  
99 56.3 56.6 85.0#



#11  
Tert butyl alcohol  
Concen: 2.256 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. 0.000 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

Tgt Ion: 59 Resp: 1645  
Ion Ratio Lower Upper  
59 100  
57 3.3 6.0 9.0#

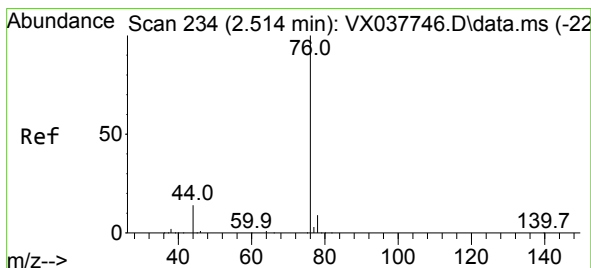
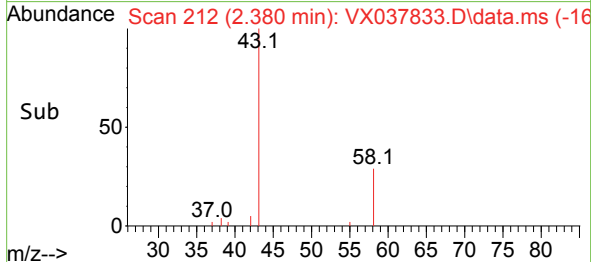
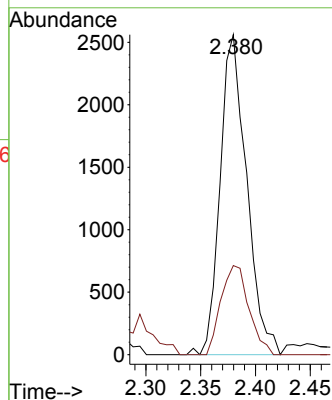
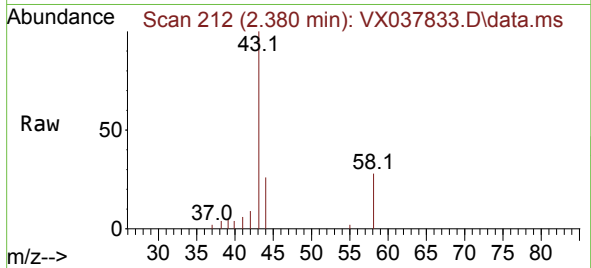




#16  
Acetone  
Concen: 2.635 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

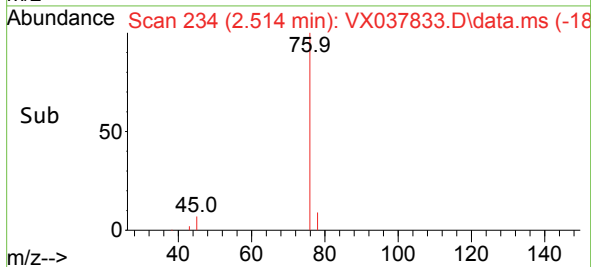
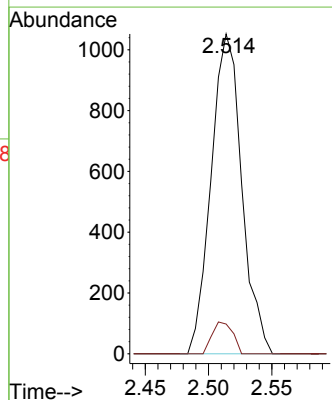
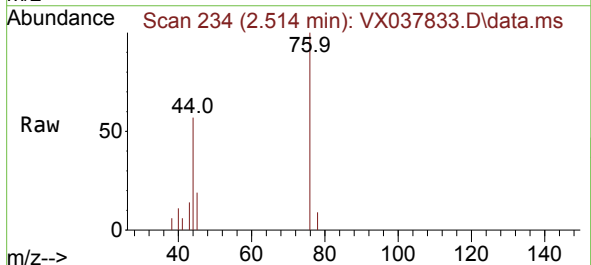
Instrument :  
MSVOA\_X  
ClientSampleId :

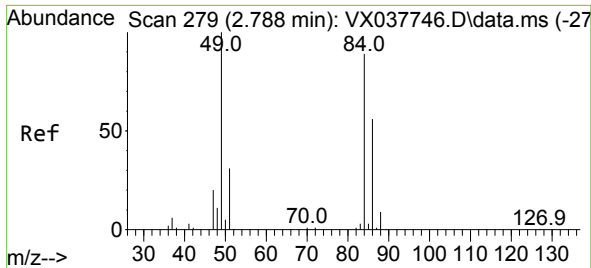
Tgt Ion: 43 Resp: 4305  
Ion Ratio Lower Upper  
43 100  
58 27.8 21.9 32.9



#17  
Carbon Disulfide  
Concen: 0.281 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.000 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

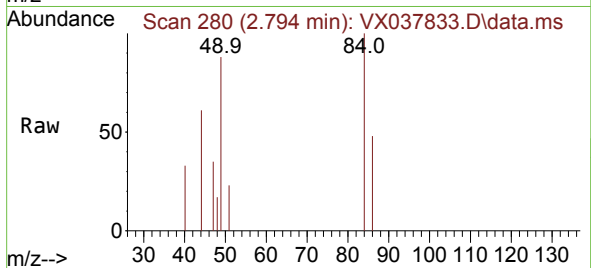
Tgt Ion: 76 Resp: 1774  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.6



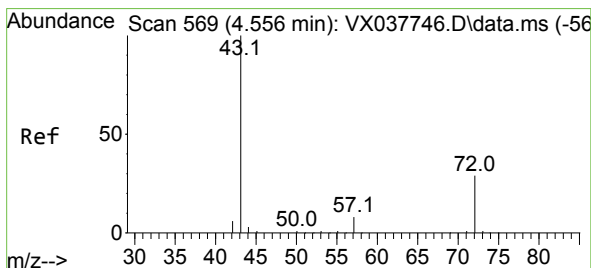
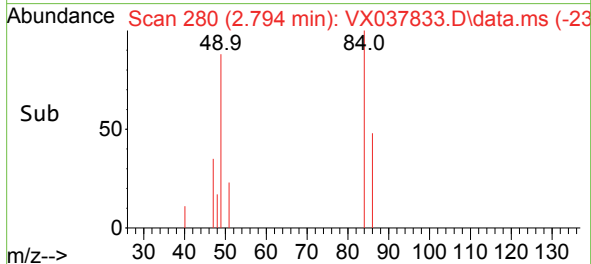
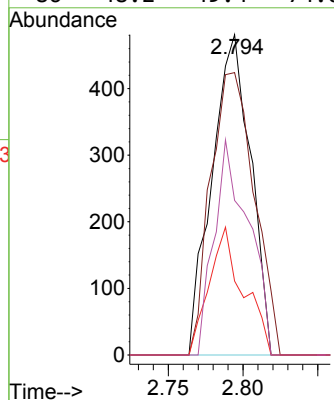


#20  
Methylene Chloride  
Concen: 0.261 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

Instrument :  
MSVOA\_X  
ClientSampleId :

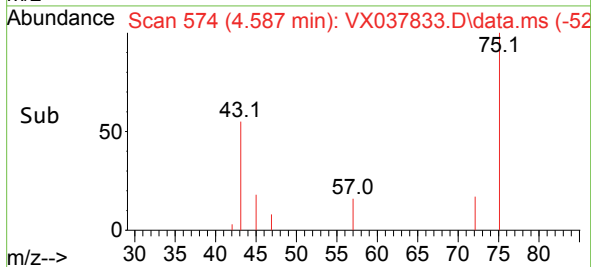
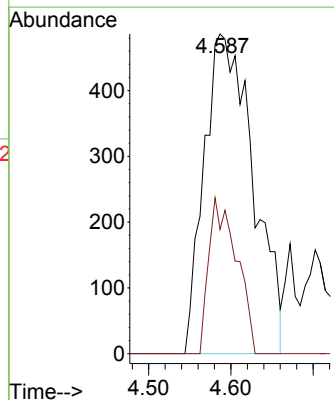
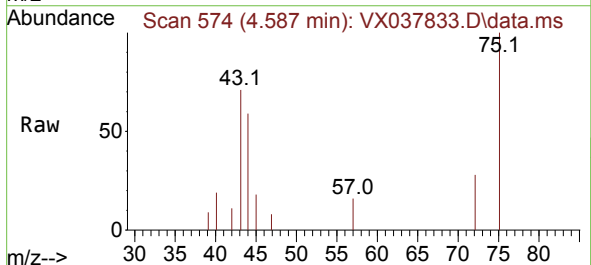


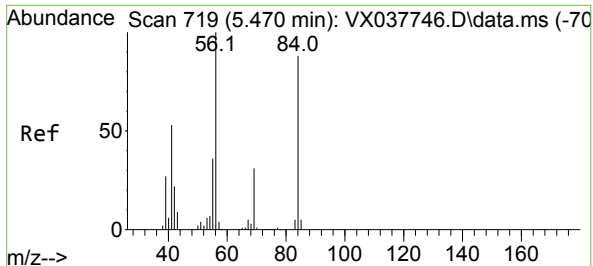
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 865    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 88.1  | 103.6 | 155.4# |
| 51       | 23.1  | 33.8  | 50.6#  |
| 86       | 48.2  | 49.4  | 74.0#  |



#25  
2-Butanone  
Concen: 0.875 ug/l  
RT: 4.587 min Scan# 574  
Delta R.T. 0.018 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

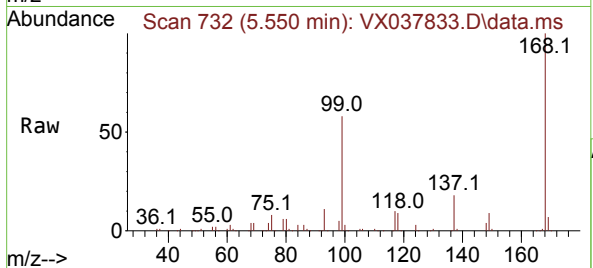
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2018  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 38.9  | 19.4  | 29.2# |



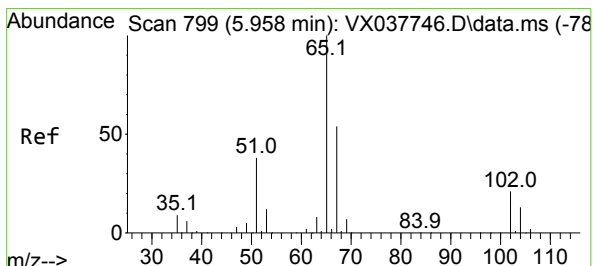
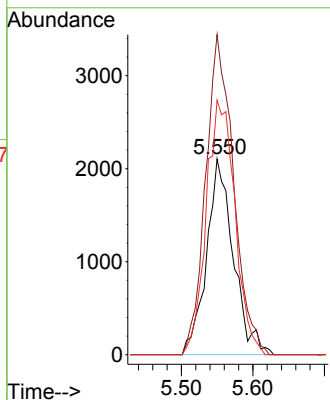
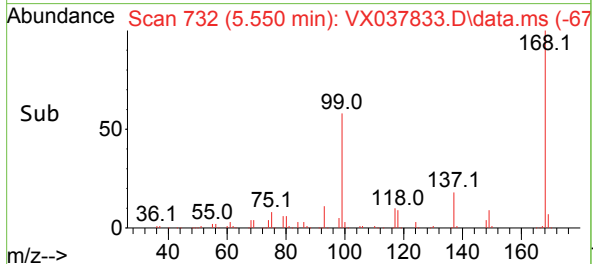


#31  
Cyclohexane  
Concen: 1.256 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.080 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

Instrument :  
MSVOA\_X  
ClientSampleId :

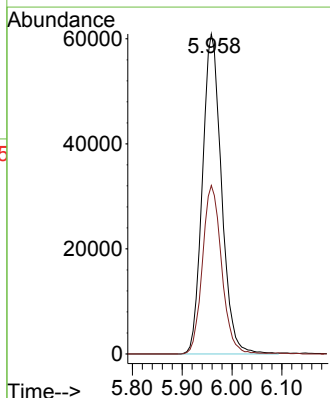
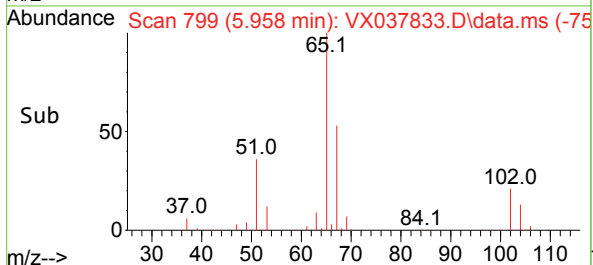
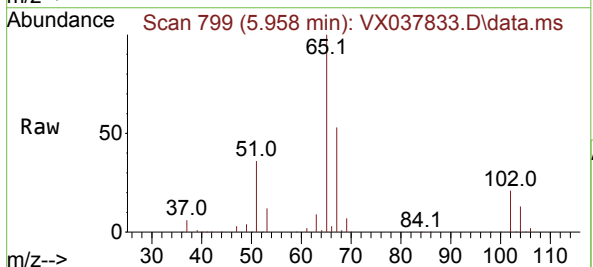


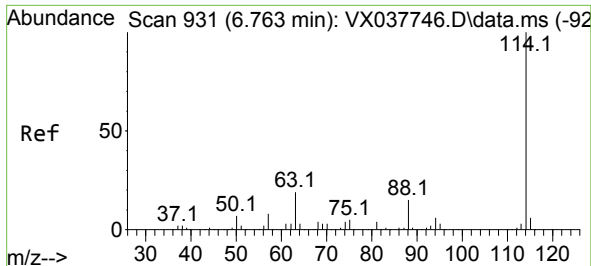
Tgt Ion: 56 Resp: 5478  
Ion Ratio Lower Upper  
56 100  
69 163.5 23.4 35.2#  
84 129.9 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 47.630 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

Tgt Ion: 65 Resp: 161788  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 100.2

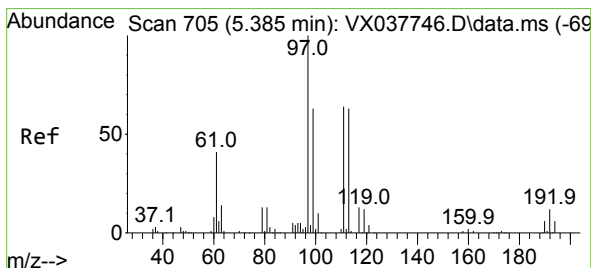
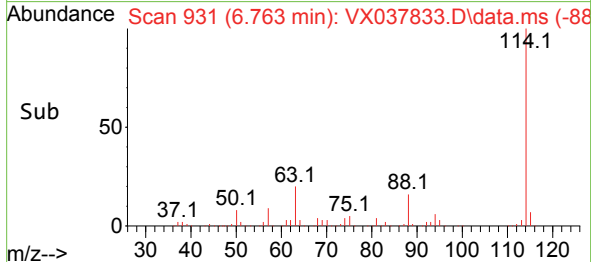
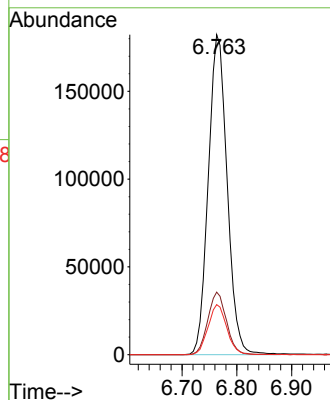
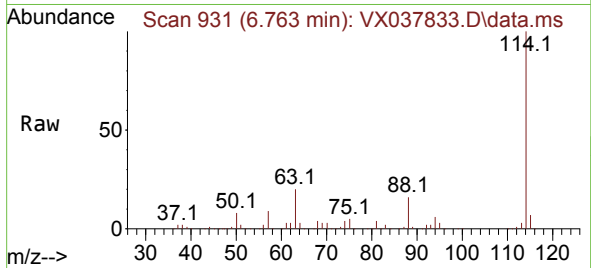




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

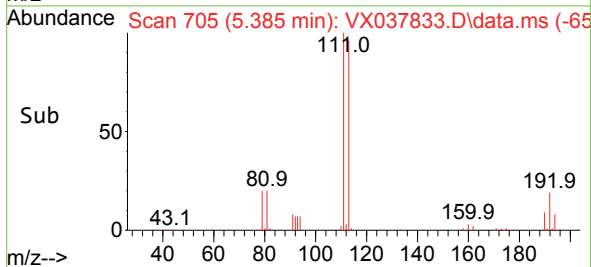
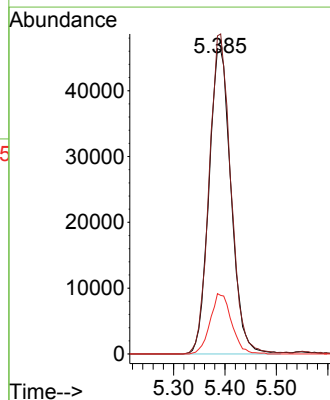
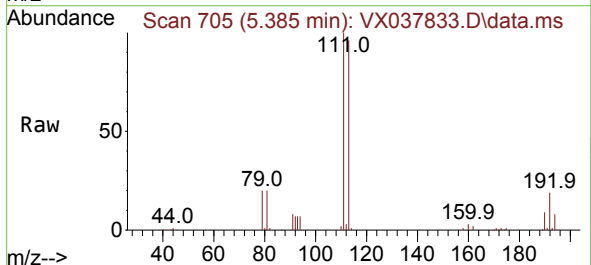
Instrument :  
MSVOA\_X  
ClientSampleId :

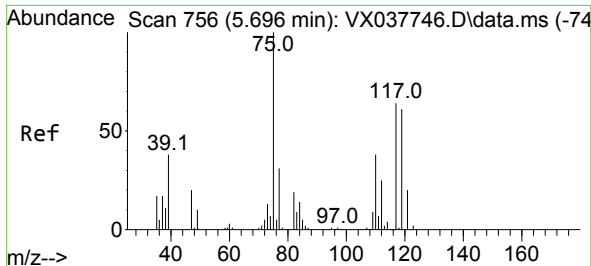
Tgt Ion:114 Resp: 434984  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 45.0  
88 15.7 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 47.468 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

Tgt Ion:113 Resp: 138156  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.9 124.3  
192 19.1 13.3 19.9

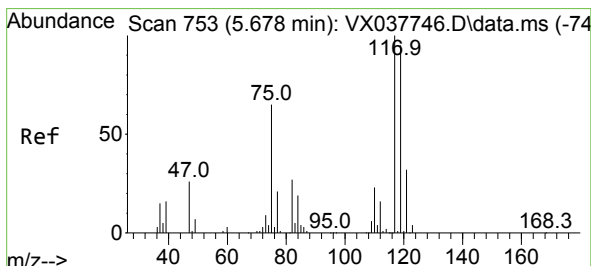
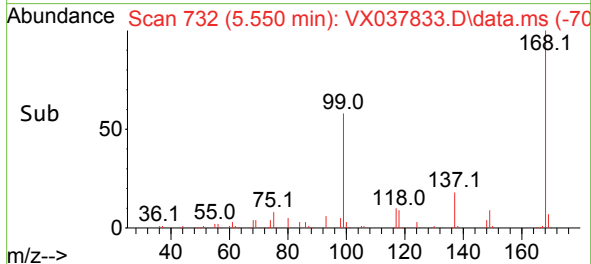
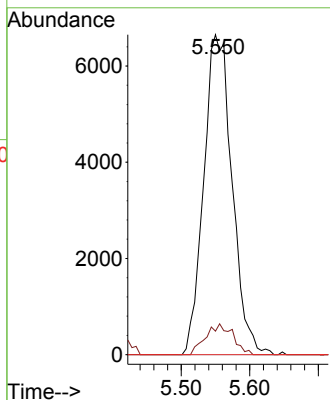
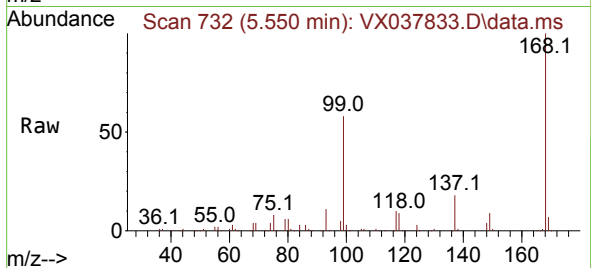




#36  
1,1-Dichloropropene  
Concen: 4.766 ug/l  
RT: 5.550 min Scan# 713  
Delta R.T. -0.146 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

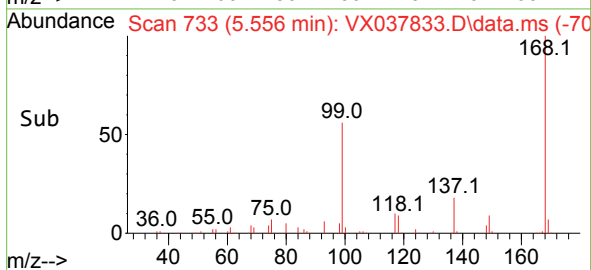
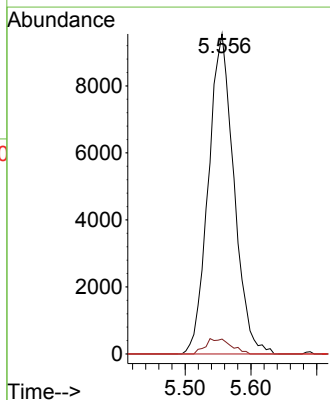
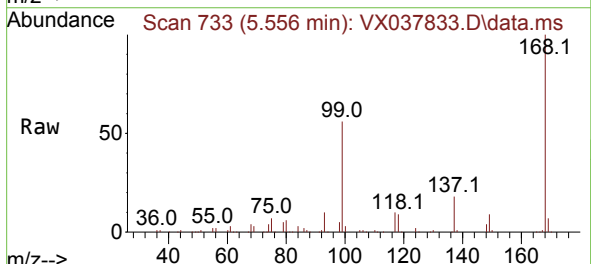
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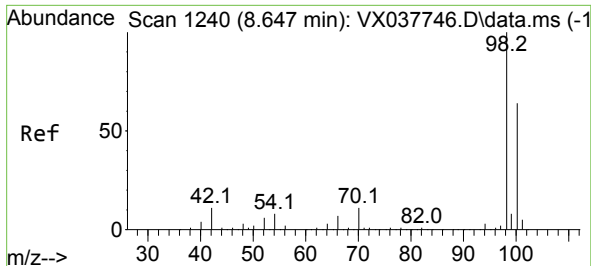
Tgt Ion: 75 Resp: 19107  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.148 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

Tgt Ion: 117 Resp: 25789  
Ion Ratio Lower Upper  
117 100  
119 4.7 78.2 117.2#  
121 0.0 24.4 36.6#

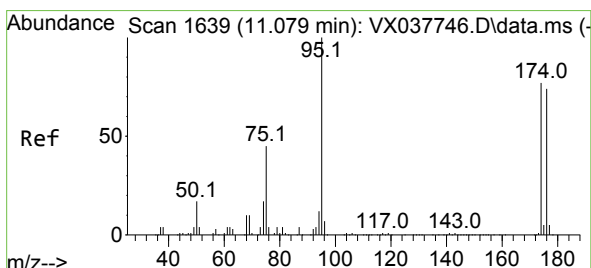
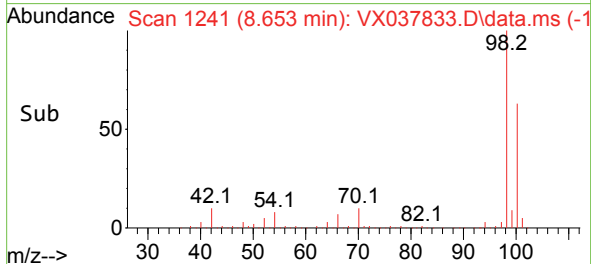
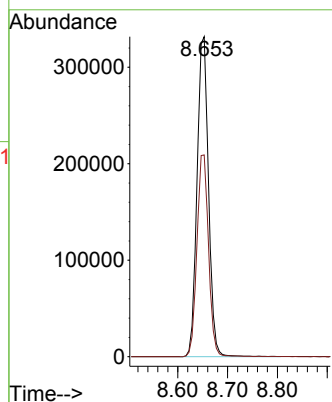
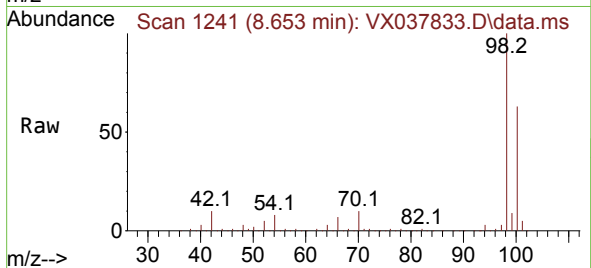




#50  
Toluene-d8  
Concen: 48.916 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

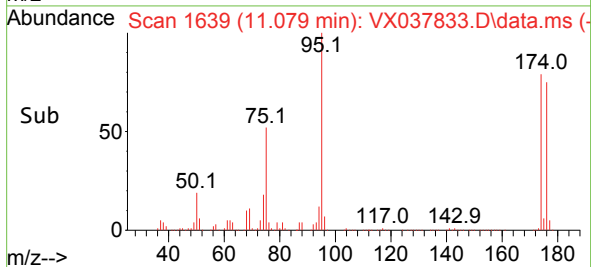
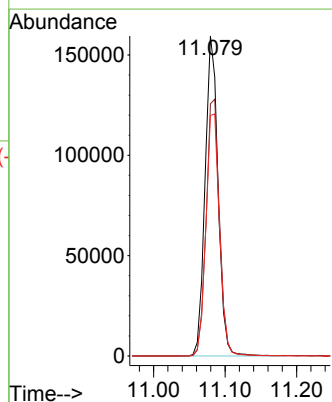
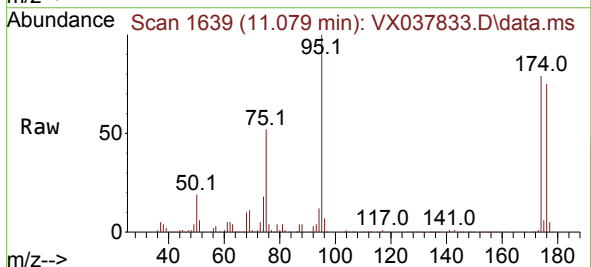
Instrument :  
MSVOA\_X  
ClientSampleId :

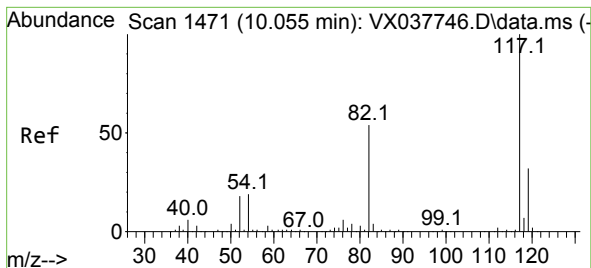
Tgt Ion: 98 Resp: 528991  
Ion Ratio Lower Upper  
98 100  
100 63.9 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 51.152 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037833.D  
Acq: 20 Sep 2023 15:06

Tgt Ion: 95 Resp: 201012  
Ion Ratio Lower Upper  
95 100  
174 83.0 0.0 135.6  
176 79.6 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: VX037833.D

Acq: 20 Sep 2023 15:06

Instrument :

MSVOA\_X

ClientSampleId :

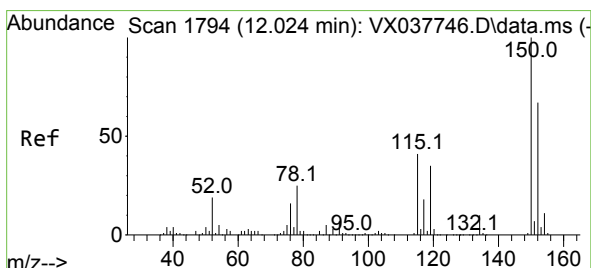
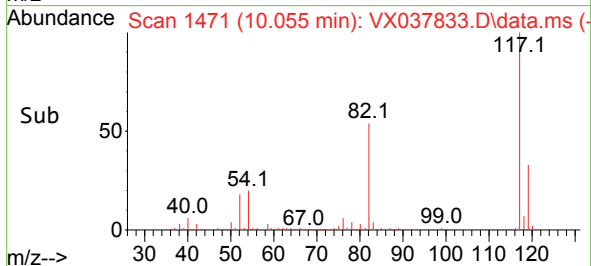
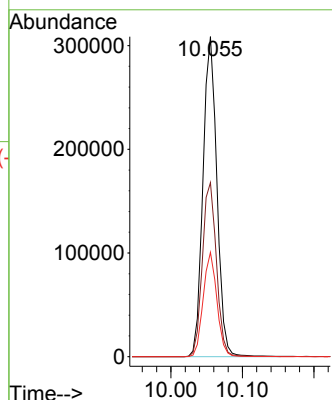
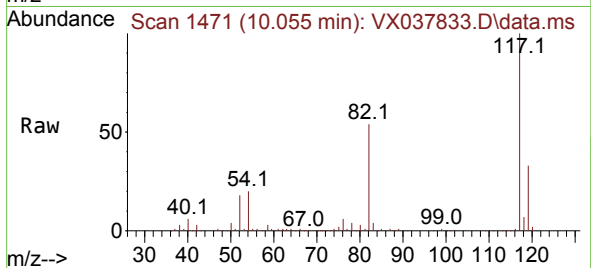
Tgt Ion:117 Resp: 417236

Ion Ratio Lower Upper

117 100

82 54.4 46.2 69.4

119 32.6 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX037833.D

Acq: 20 Sep 2023 15:06

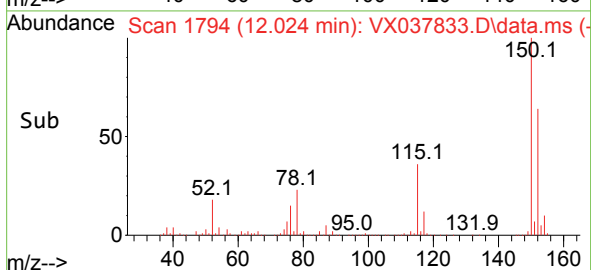
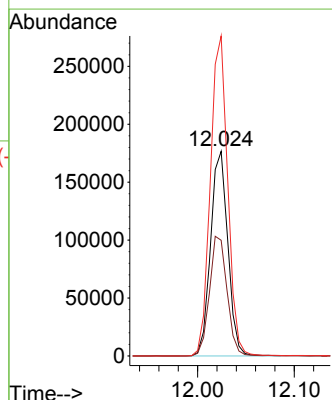
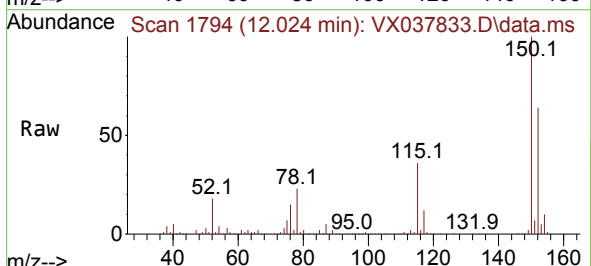
Tgt Ion:152 Resp: 219074

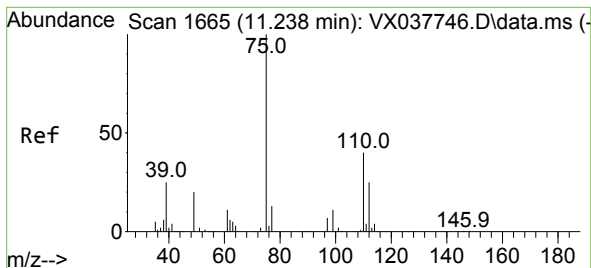
Ion Ratio Lower Upper

152 100

115 59.7 43.3 129.9

150 157.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.208 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037833.D

Acq: 20 Sep 2023 15:06

Instrument :

MSVOA\_X

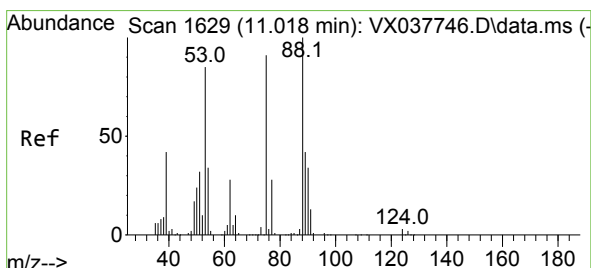
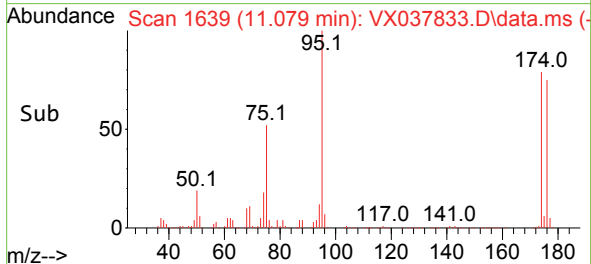
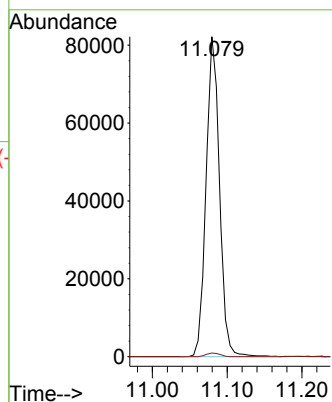
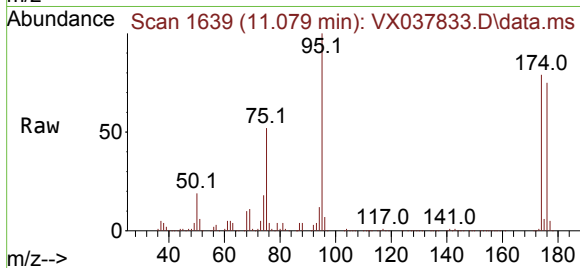
ClientSampleId :

Tgt Ion: 75 Resp: 102395

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.735 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037833.D

Acq: 20 Sep 2023 15:06

Tgt Ion: 75 Resp: 102395

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

