

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090523\  
 Data File : VX037519.D  
 Acq On : 05 Sep 2023 18:01  
 Operator : JC/MD  
 Sample : 04254-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 06 02:57:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

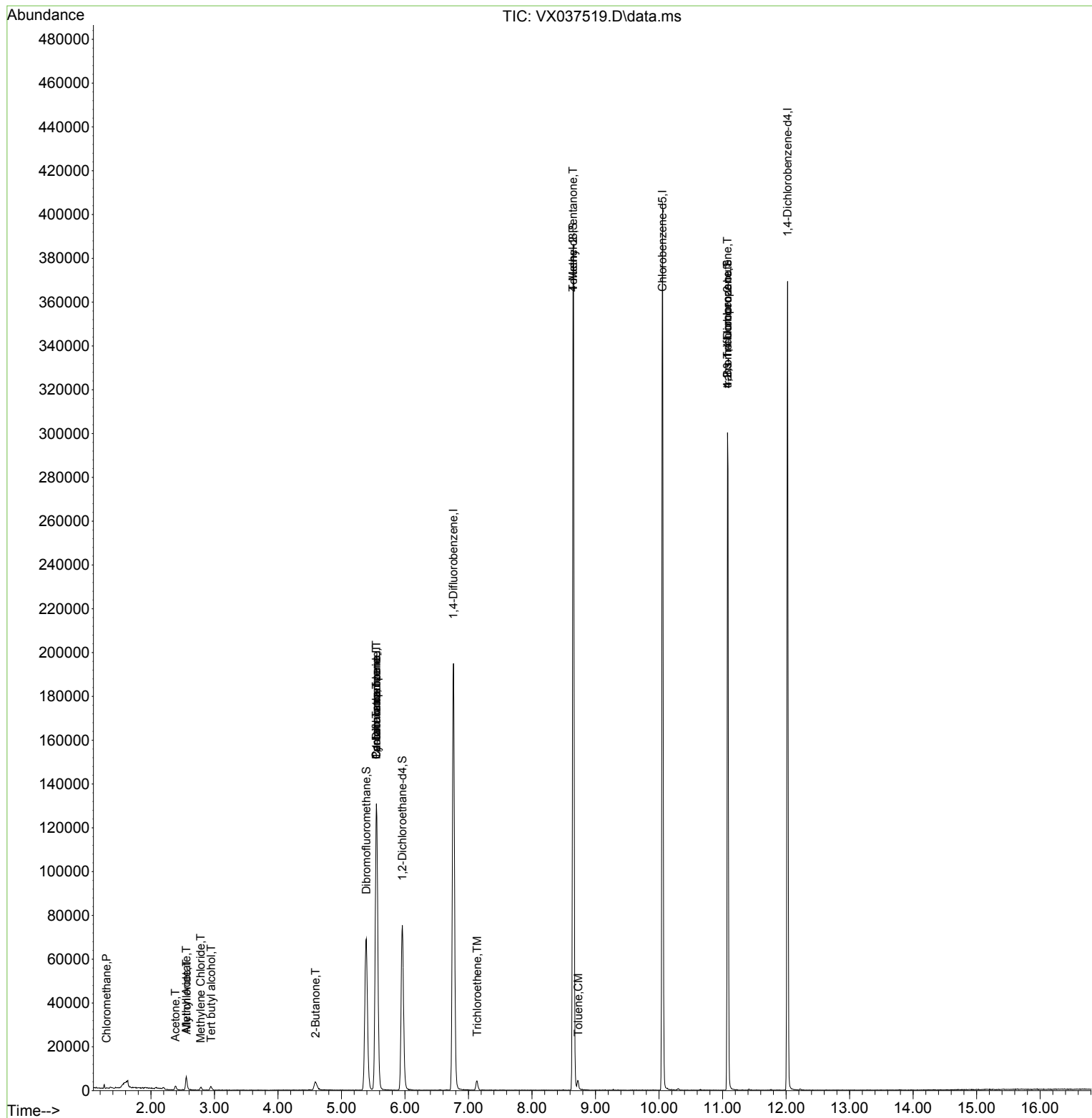
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 125593   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 208261   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 187081   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 79372    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 75575    | 41.739   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 83.480%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 63024    | 45.694   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 91.380%  |
| 50) Toluene-d8                | 8.647  | 98    | 243189   | 48.608   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.220%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 85836    | 43.657   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 87.320%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.300  | 50    | 423      | 0.331    | ug/l   | 95       |
| 11) Tert butyl alcohol        | 2.946  | 59    | 1045     | 2.460    | ug/l # | 78       |
| 14) Allyl chloride            | 2.562  | 41    | 665      | 0.332    | ug/l # | 83       |
| 16) Acetone                   | 2.386  | 43    | 2104     | 2.970    | ug/l # | 67       |
| 18) Methyl Acetate            | 2.556  | 43    | 1816     | 0.681    | ug/l # | 53       |
| 20) Methylene Chloride        | 2.782  | 84    | 807      | 0.509    | ug/l # | 84       |
| 25) 2-Butanone                | 4.593  | 43    | 384      | 0.360    | ug/l # | 51       |
| 31) Cyclohexane               | 5.550  | 56    | 2339     | 1.149    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9508     | 4.852    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 13340    | 6.267    | ug/l # | 15       |
| 44) Trichloroethene           | 7.135  | 130   | 1716     | 1.077    | ug/l   | 84       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 823      | 0.426    | ug/l # | 1        |
| 52) Toluene                   | 8.726  | 92    | 1980     | 0.533    | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 41477    | 24.537   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 41477    | 68.534   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090523\  
Data File : VX037519.D  
Acq On : 05 Sep 2023 18:01  
Operator : JC/MD  
Sample : 04254-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

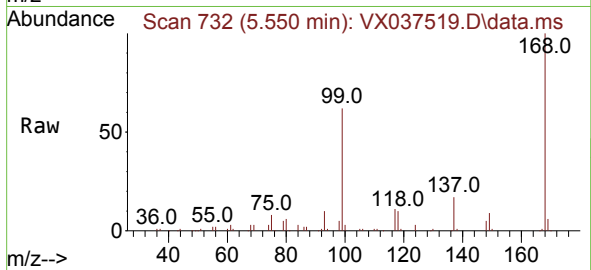
Quant Time: Sep 06 02:57:49 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration



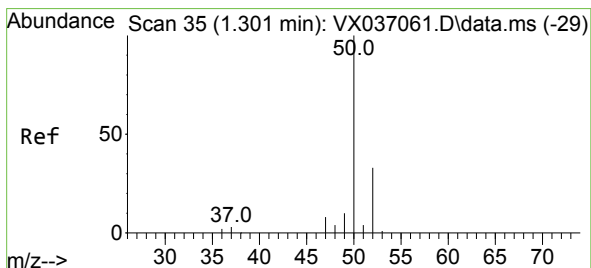
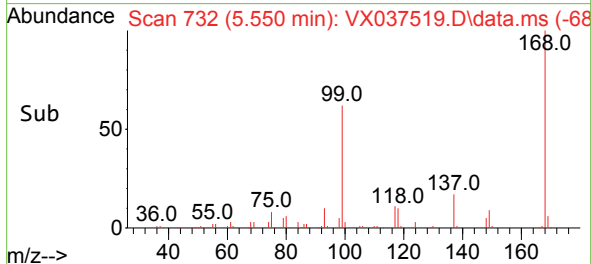
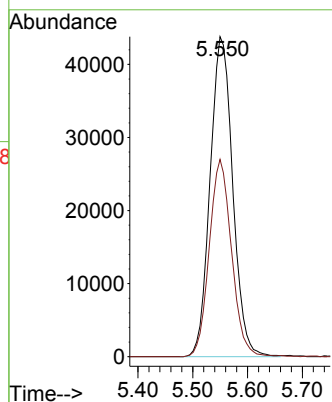


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Instrument :  
MSVOA\_X  
ClientSampleId :

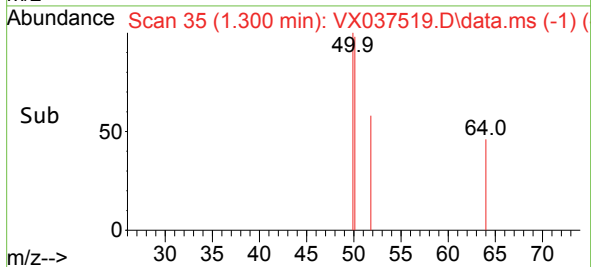
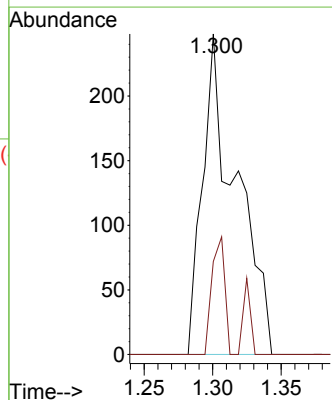
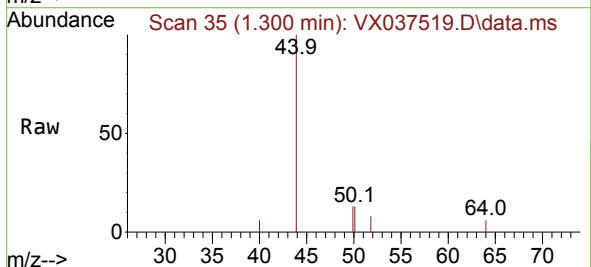


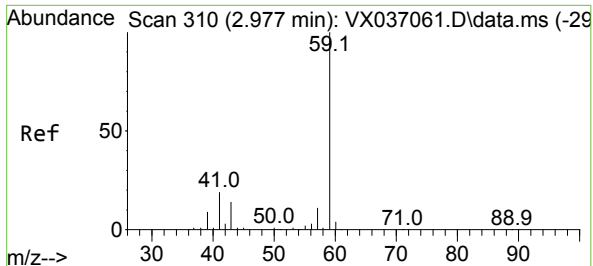
Tgt Ion:168 Resp: 125593  
Ion Ratio Lower Upper  
168 100  
99 61.7 56.6 85.0



#3  
Chloromethane  
Concen: 0.331 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. -0.000 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Tgt Ion: 50 Resp: 423  
Ion Ratio Lower Upper  
50 100  
52 29.0 25.5 38.3





#11

Tert butyl alcohol

Concen: 2.460 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.031 min

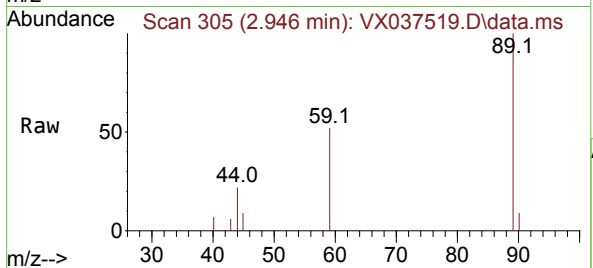
Lab File: VX037519.D

Acq: 05 Sep 2023 18:01

Instrument :

MSVOA\_X

ClientSampleId :

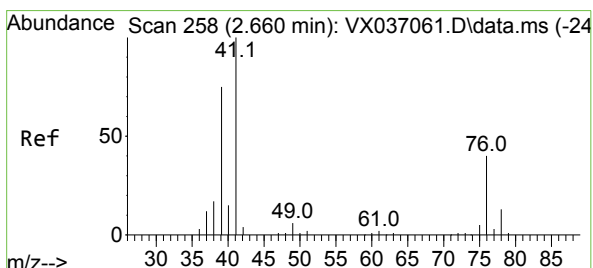
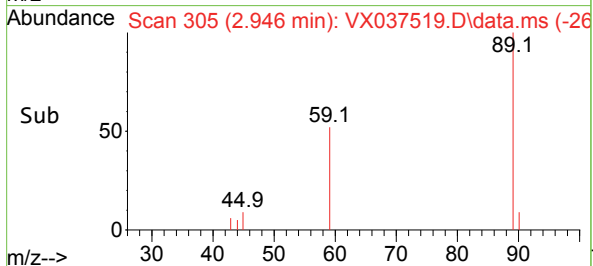
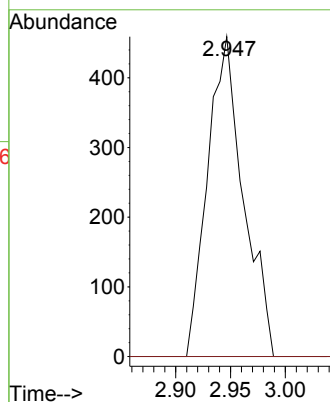


Tgt Ion: 59 Resp: 1045

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.332 ug/l

RT: 2.562 min Scan# 242

Delta R.T. -0.098 min

Lab File: VX037519.D

Acq: 05 Sep 2023 18:01

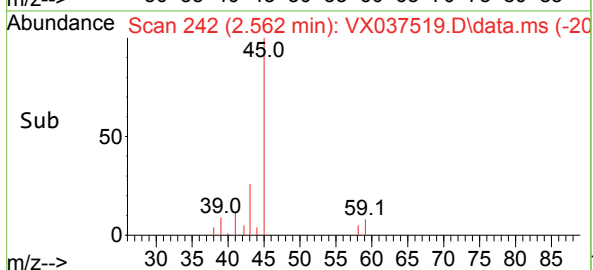
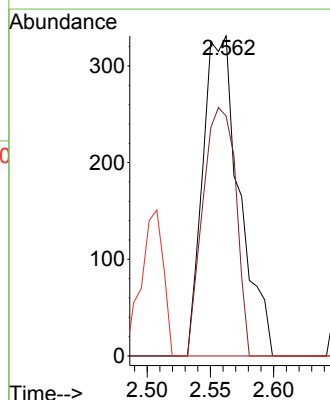
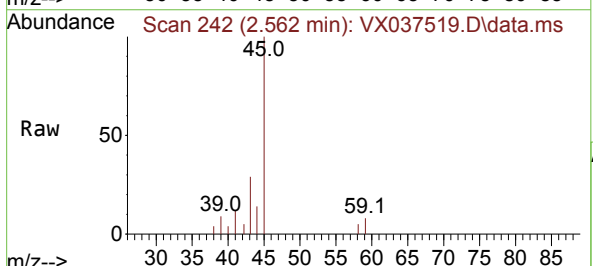
Tgt Ion: 41 Resp: 665

Ion Ratio Lower Upper

41 100

39 69.9 55.8 83.6

76 0.0 24.3 36.5#

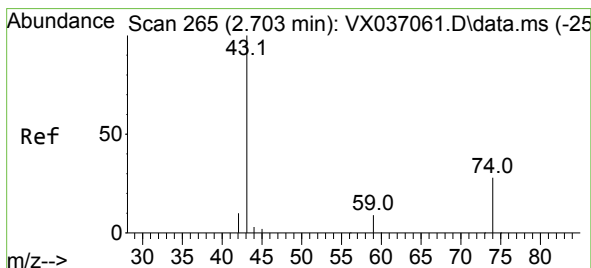
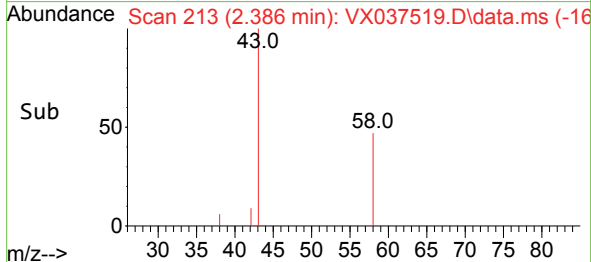
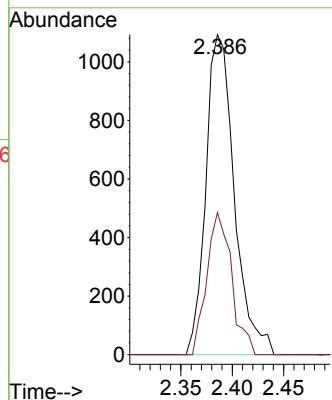
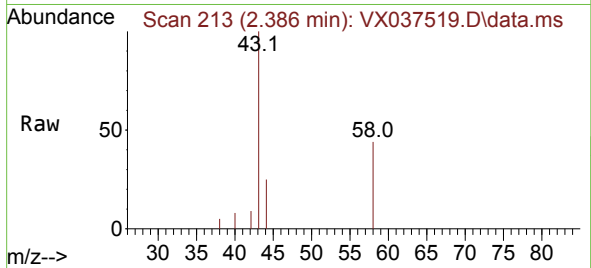




#16  
Acetone  
Concen: 2.970 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

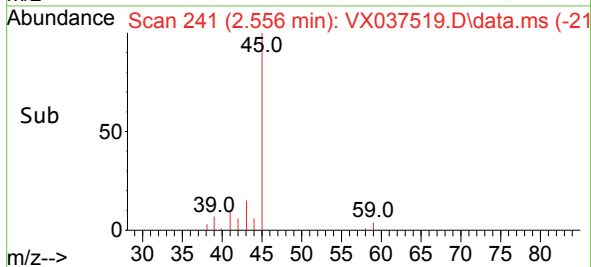
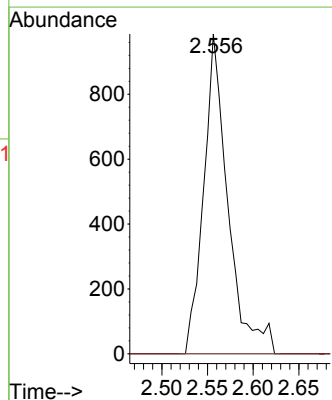
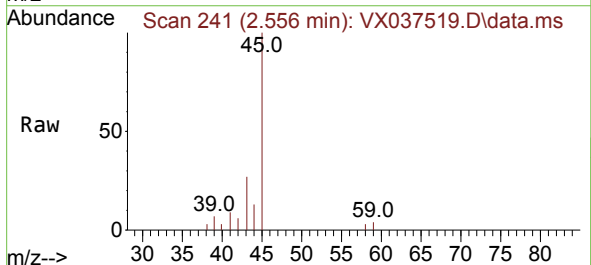
Instrument :  
MSVOA\_X  
ClientSampleId :

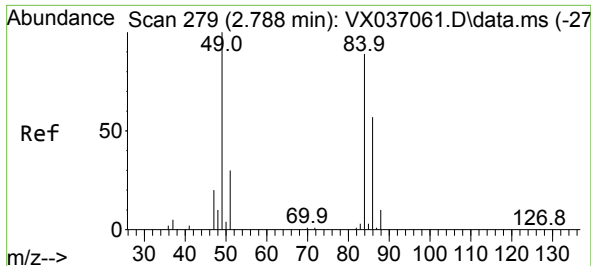
Tgt Ion: 43 Resp: 2104  
Ion Ratio Lower Upper  
43 100  
58 44.4 21.9 32.9#



#18  
Methyl Acetate  
Concen: 0.681 ug/l  
RT: 2.556 min Scan# 241  
Delta R.T. -0.146 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

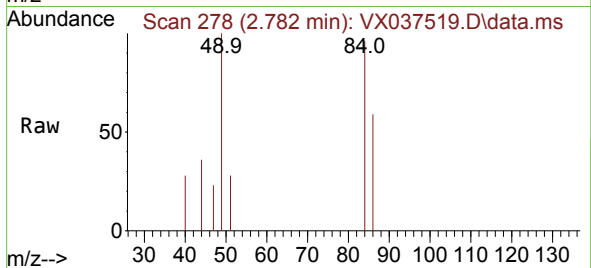
Tgt Ion: 43 Resp: 1816  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.8 26.8#





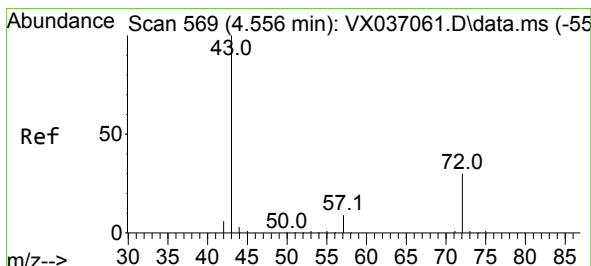
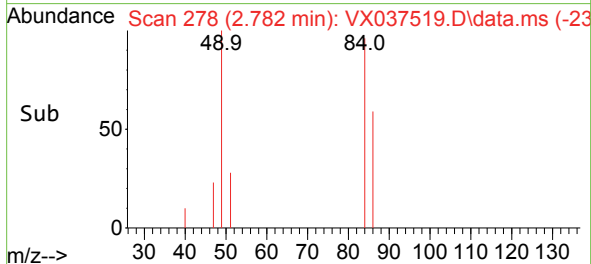
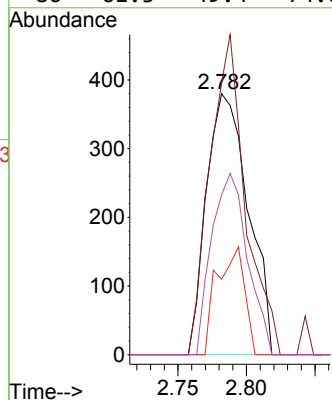
#20  
Methylene Chloride  
Concen: 0.509 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 84 Resp: 807

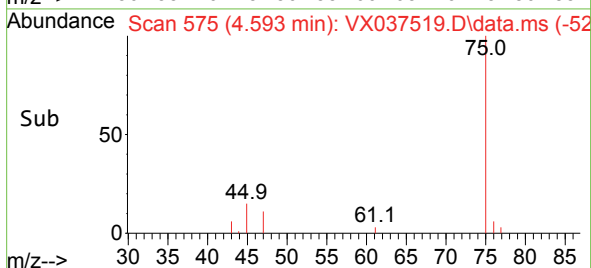
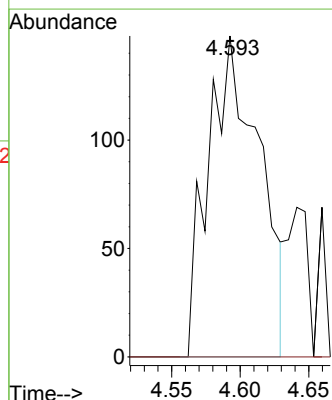
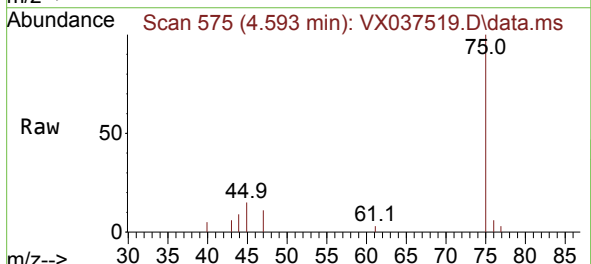
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 104.2 | 103.6 | 155.4 |
| 51  | 28.9  | 33.8  | 50.6# |
| 86  | 61.3  | 49.4  | 74.0  |

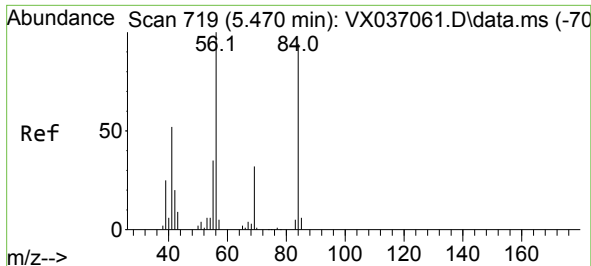


#25  
2-Butanone  
Concen: 0.360 ug/l  
RT: 4.593 min Scan# 575  
Delta R.T. 0.037 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Tgt Ion: 43 Resp: 384

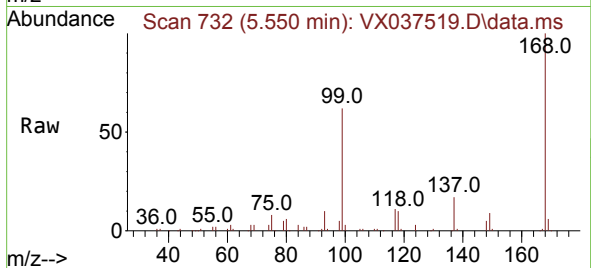
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 19.4  | 29.2# |



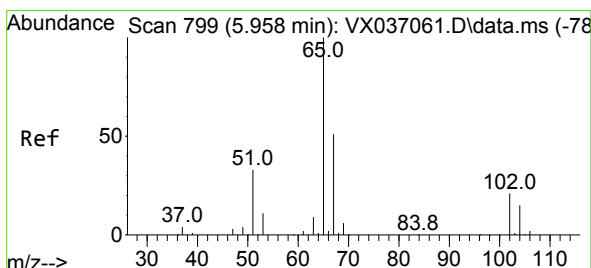
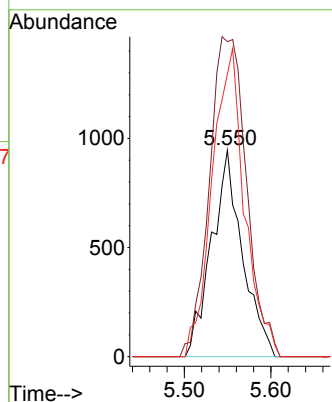
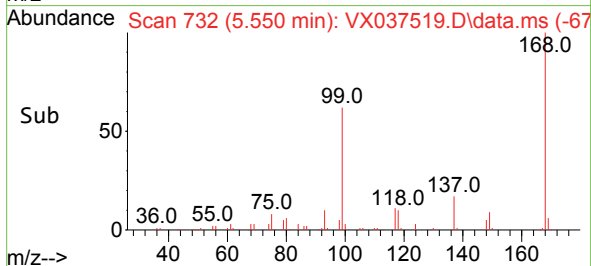


#31  
Cyclohexane  
Concen: 1.149 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Instrument :  
MSVOA\_X  
ClientSampleId :

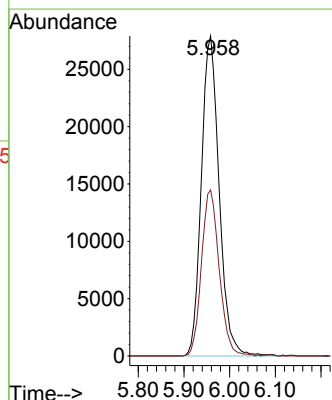
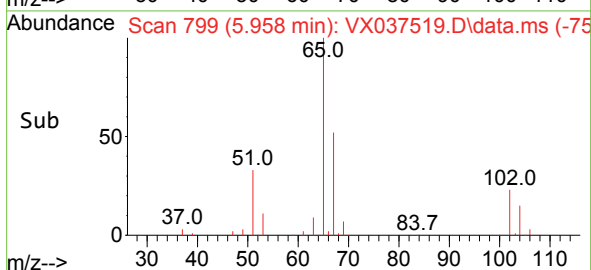
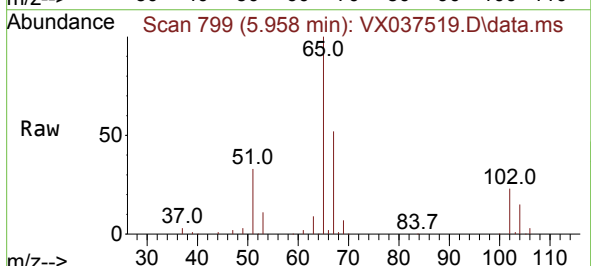


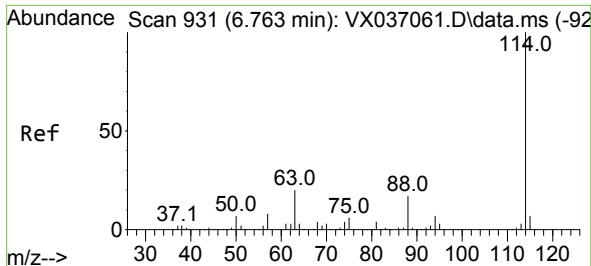
Tgt Ion: 56 Resp: 2339  
Ion Ratio Lower Upper  
56 100  
69 152.5 23.4 35.2#  
84 136.9 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 41.739 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Tgt Ion: 65 Resp: 75575  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 100.2

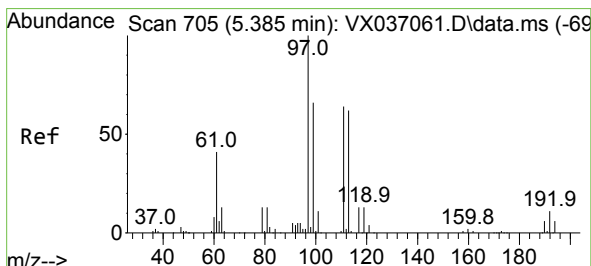
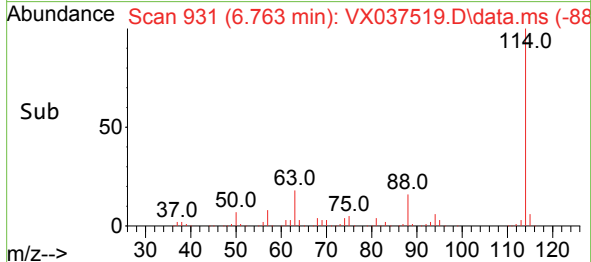
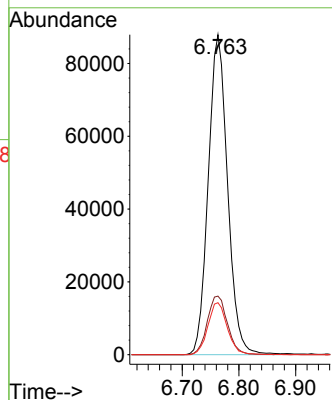
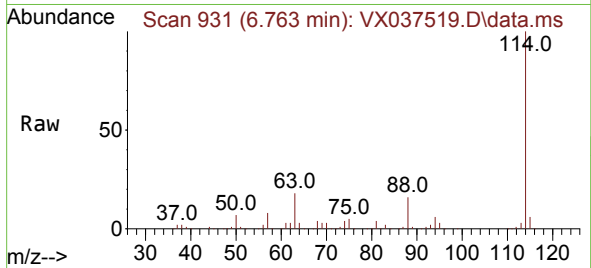




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

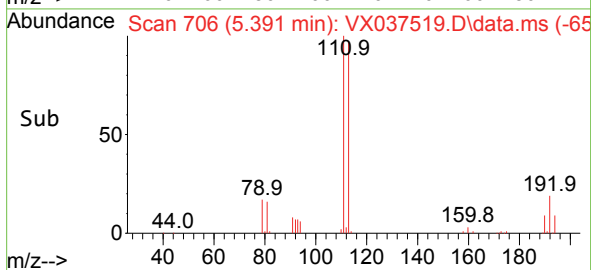
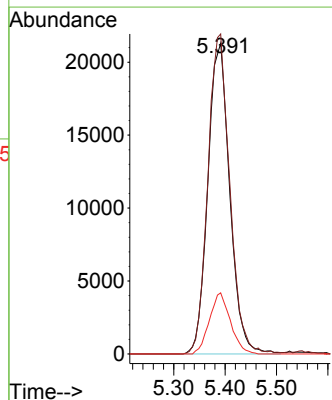
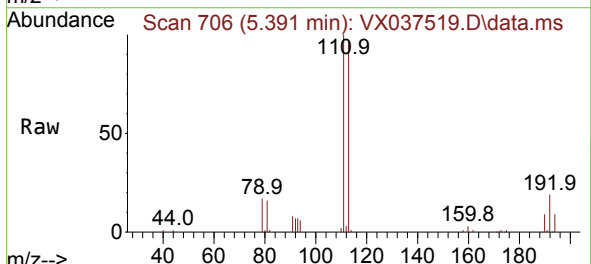
Instrument :  
MSVOA\_X  
ClientSampleId :

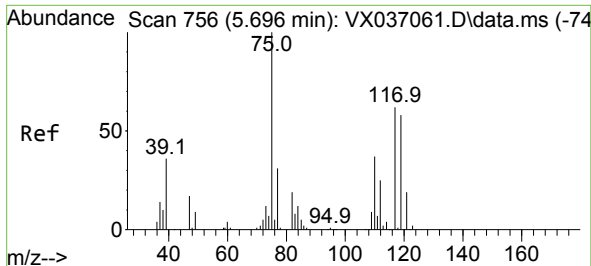
Tgt Ion:114 Resp: 208261  
Ion Ratio Lower Upper  
114 100  
63 18.3 0.0 45.0  
88 16.2 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 45.694 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

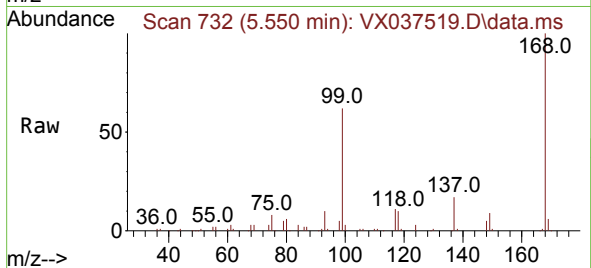
Tgt Ion:113 Resp: 63024  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.9 124.3  
192 18.8 13.3 19.9



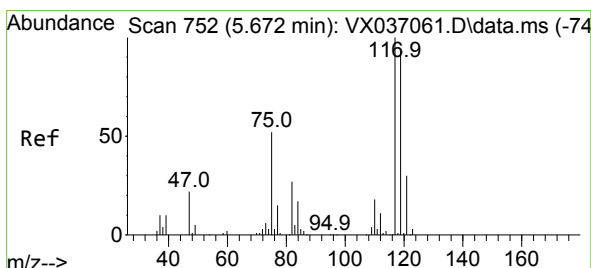
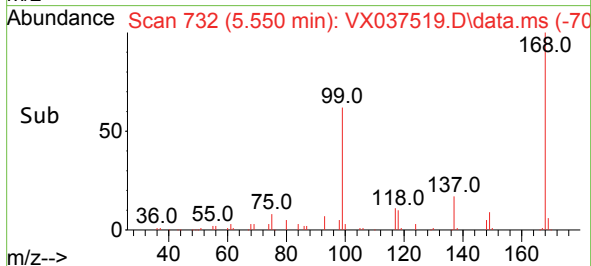
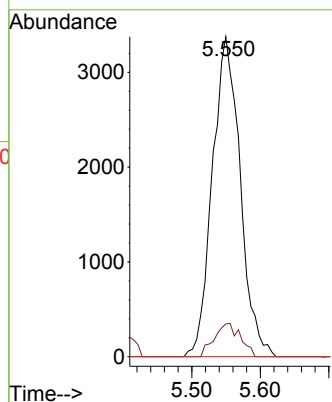


#36  
1,1-Dichloropropene  
Concen: 4.852 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.146 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Instrument :  
MSVOA\_X  
ClientSampleId :

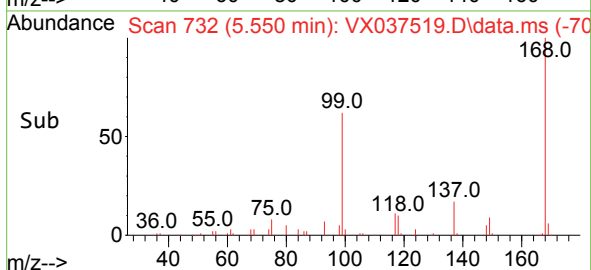
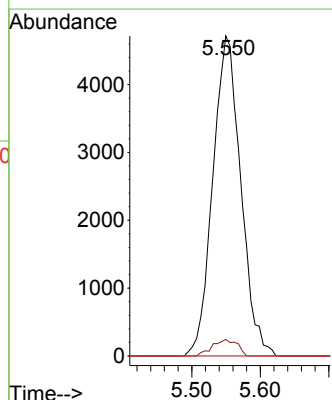
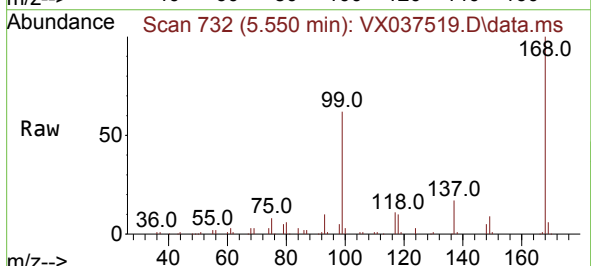


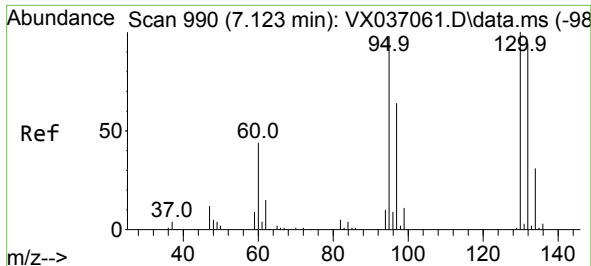
Tgt Ion: 75 Resp: 9508  
Ion Ratio Lower Upper  
75 100  
110 9.8 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.267 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

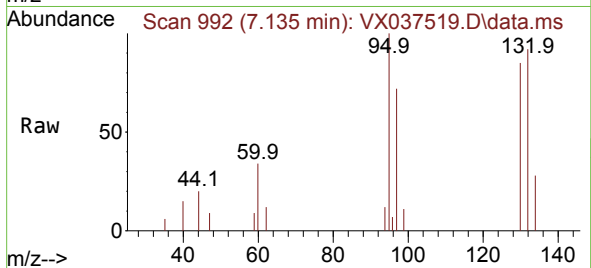
Tgt Ion: 117 Resp: 13340  
Ion Ratio Lower Upper  
117 100  
119 5.2 78.2 117.2#  
121 0.0 24.4 36.6#



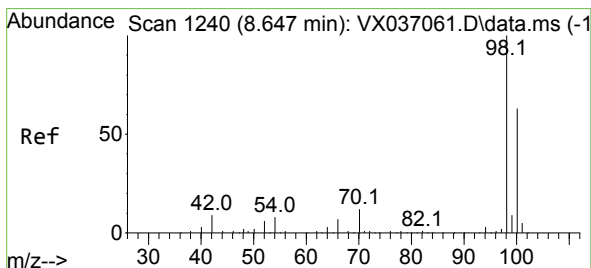
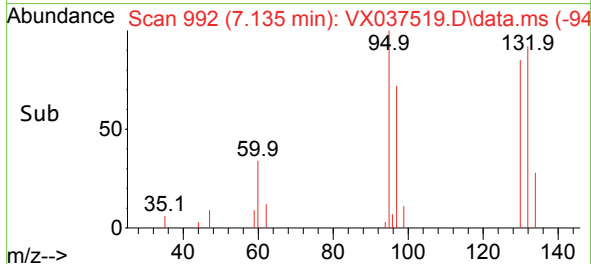
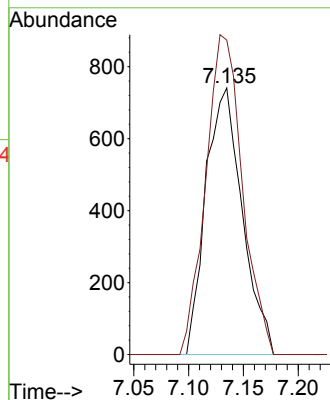


#44  
Trichloroethene  
Concen: 1.077 ug/l  
RT: 7.135 min Scan# 990  
Delta R.T. 0.012 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Instrument :  
MSVOA\_X  
ClientSampleId :

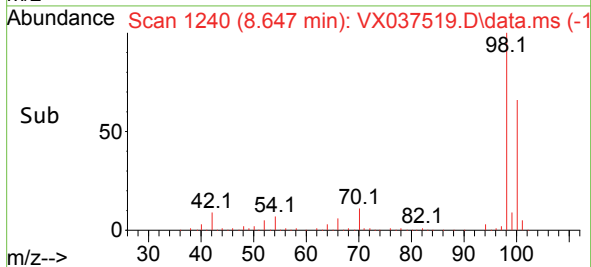
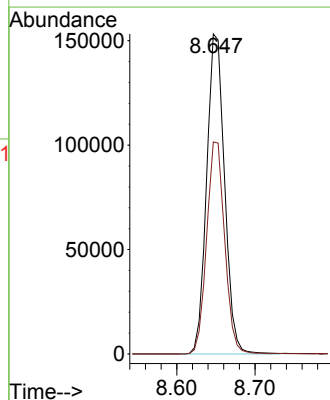
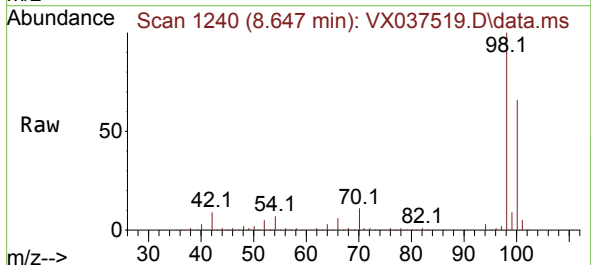


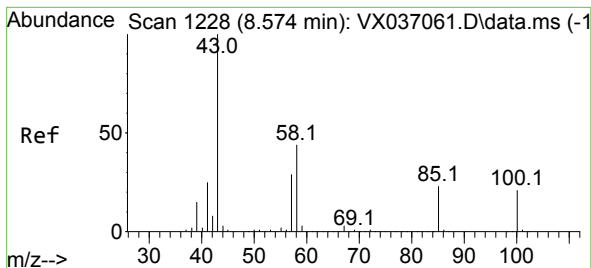
Tgt Ion:130 Resp: 1716  
Ion Ratio Lower Upper  
130 100  
95 117.9 0.0 204.4



#50  
Toluene-d8  
Concen: 48.608 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Tgt Ion: 98 Resp: 243189  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.1 79.7

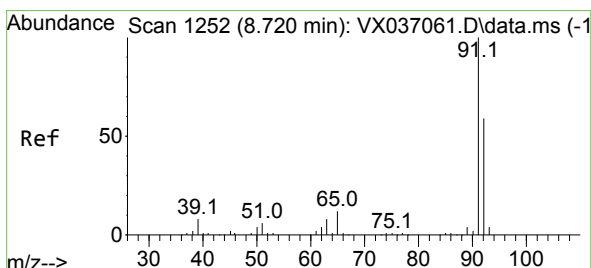
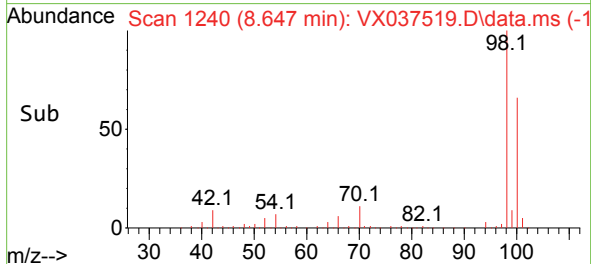
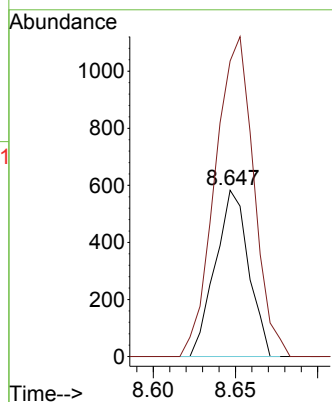
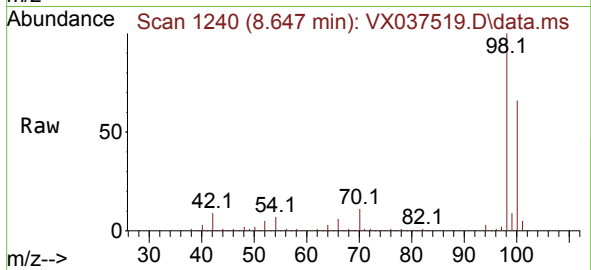




#51  
4-Methyl-2-Pentanone  
Concen: 0.426 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

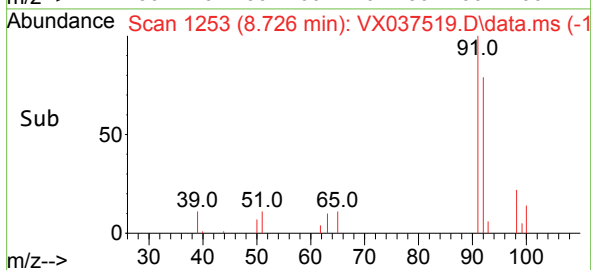
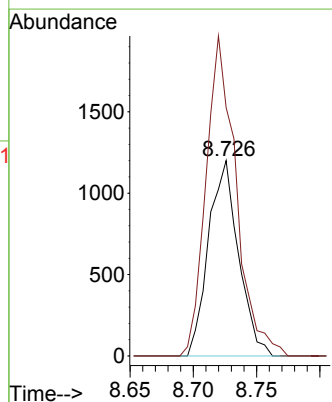
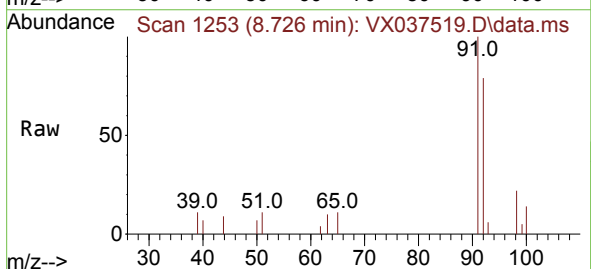
Instrument :  
MSVOA\_X  
ClientSampleId :

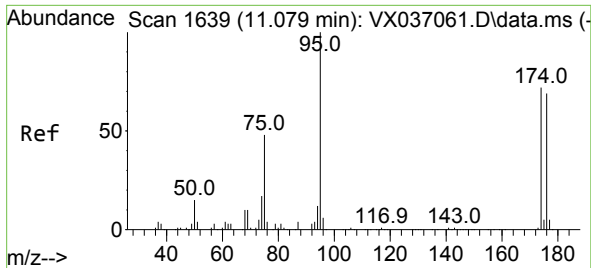
Tgt Ion: 43 Resp: 823  
Ion Ratio Lower Upper  
43 100  
58 222.7 30.4 45.6#



#52  
Toluene  
Concen: 0.533 ug/l  
RT: 8.726 min Scan# 1253  
Delta R.T. 0.006 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Tgt Ion: 92 Resp: 1980  
Ion Ratio Lower Upper  
92 100  
91 164.1 134.2 201.2

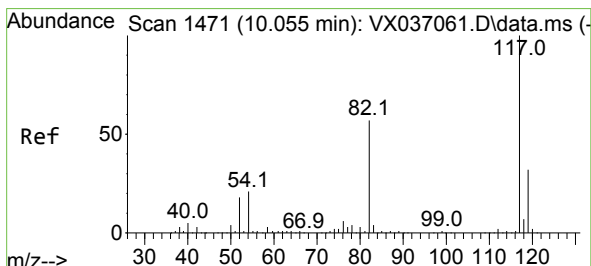
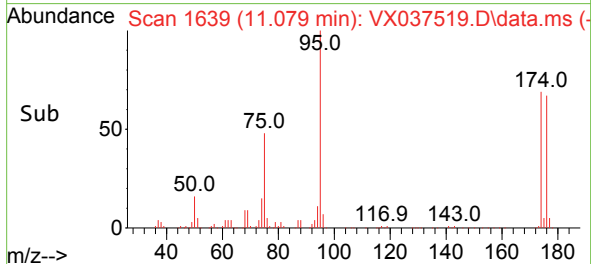
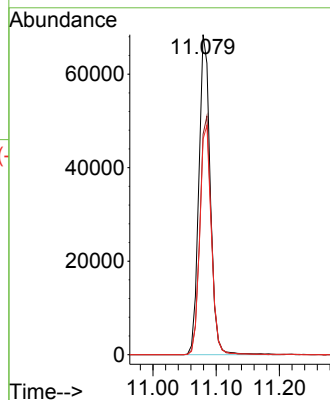
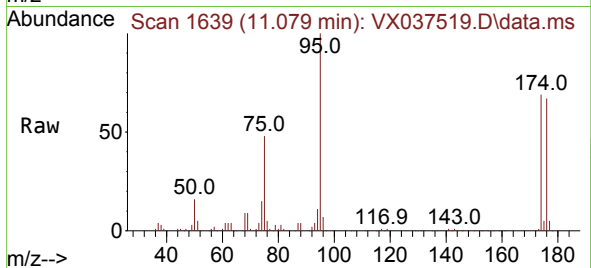




#62  
4-Bromofluorobenzene  
Concen: 43.657 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

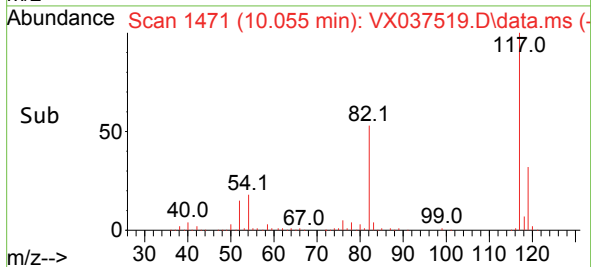
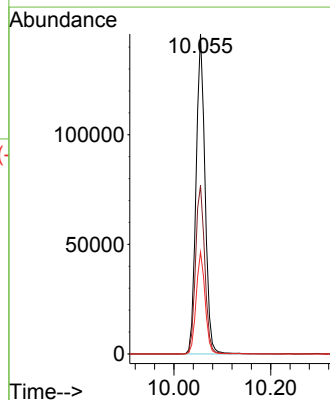
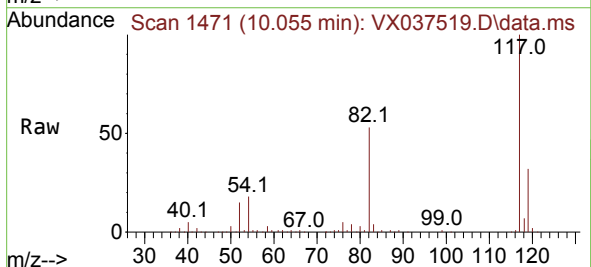
Instrument :  
MSVOA\_X  
ClientSampleId :

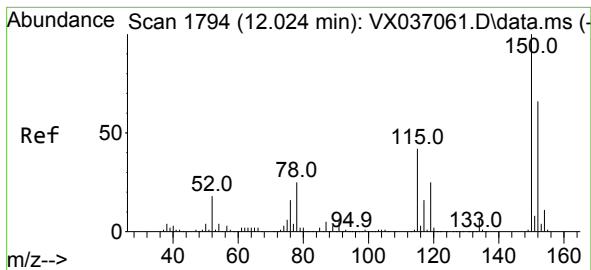
Tgt Ion: 95 Resp: 85836  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 135.6  
176 72.8 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037519.D  
Acq: 05 Sep 2023 18:01

Tgt Ion: 117 Resp: 187081  
Ion Ratio Lower Upper  
117 100  
82 52.7 46.2 69.4  
119 31.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037519.D

Acq: 05 Sep 2023 18:01

Instrument :

MSVOA\_X

ClientSampleId :

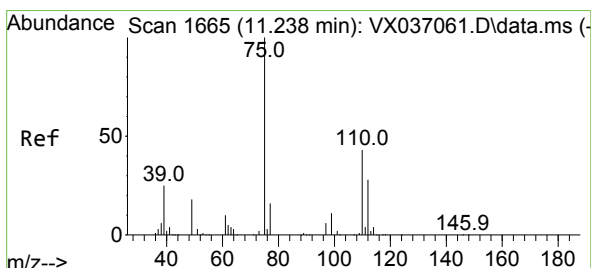
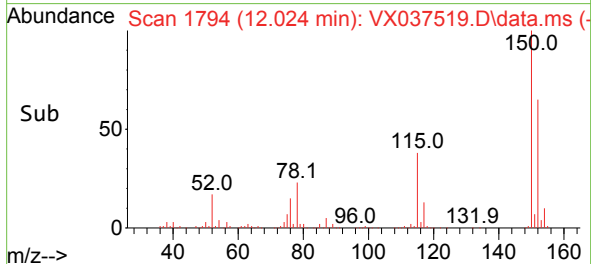
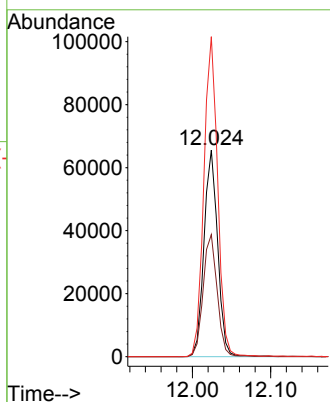
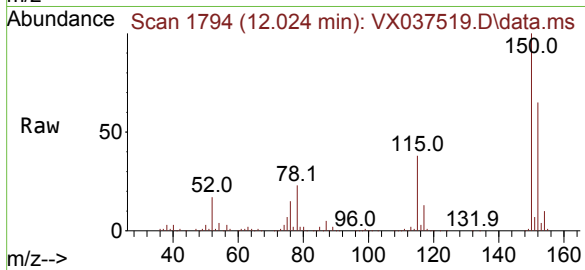
Tgt Ion:152 Resp: 79372

Ion Ratio Lower Upper

152 100

115 60.9 43.3 129.9

150 156.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.537 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037519.D

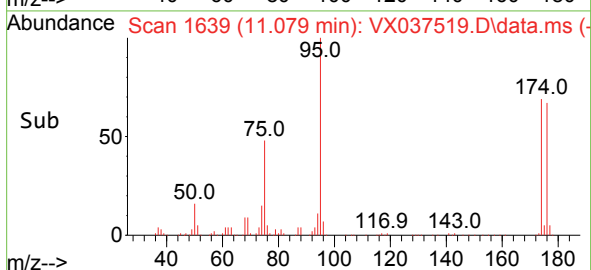
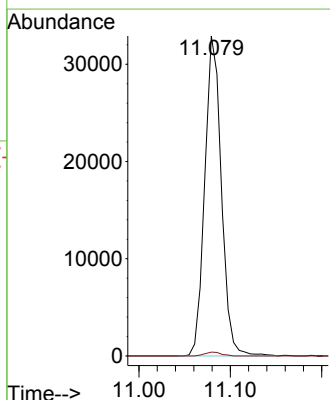
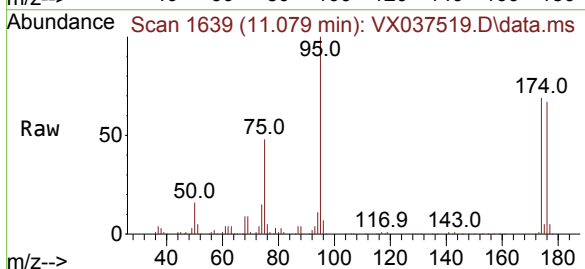
Acq: 05 Sep 2023 18:01

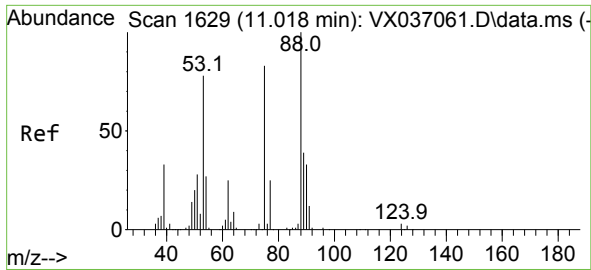
Tgt Ion: 75 Resp: 41477

Ion Ratio Lower Upper

75 100

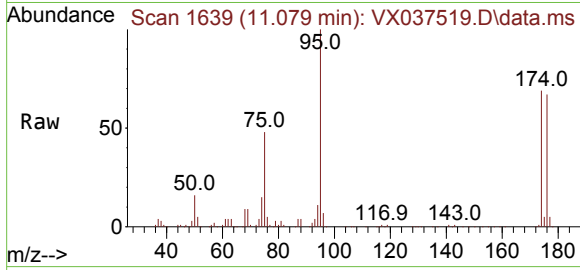
77 1.2 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 68.534 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037519.D  
 Acq: 05 Sep 2023 18:01

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 41477  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

