

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082423\  
 Data File : VX037226.D  
 Acq On : 24 Aug 2023 19:07  
 Operator : JC/MD  
 Sample : 04051-19  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 24 23:40:39 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

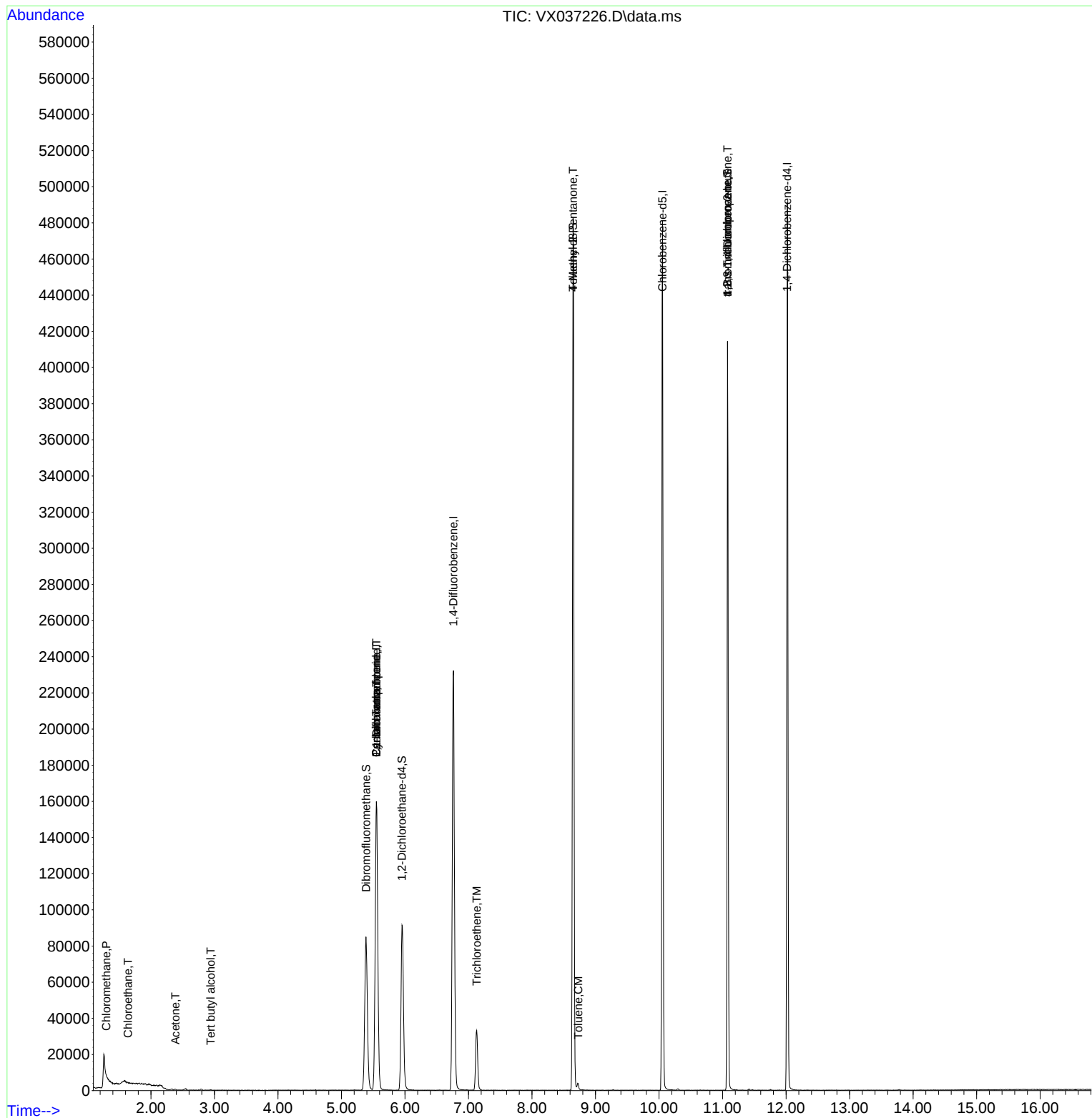
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 147858   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 243177   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 221638   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 102821   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 94085    | 44.137   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 88.280%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 75271    | 46.738   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 93.480%  |
| 50) Toluene-d8                | 8.647  | 98    | 286905   | 49.112   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 98.220%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 109918   | 47.878   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 95.760%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 503      | 0.335    | ug/l # | 43       |
| 6) Chloroethane               | 1.636  | 64    | 393      | 0.408    | ug/l # | 71       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 173      | 0.346    | ug/l # | 78       |
| 16) Acetone                   | 2.386  | 43    | 581      | 0.697    | ug/l   | 92       |
| 31) Cyclohexane               | 5.550  | 56    | 2981     | 1.244    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11706    | 5.116    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 15976    | 6.428    | ug/l # | 14       |
| 44) Trichloroethene           | 7.129  | 130   | 14073    | 7.563    | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1030     | 0.457    | ug/l # | 1        |
| 52) Toluene                   | 8.726  | 92    | 1623     | 0.374    | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 56527    | 25.814   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 56527    | 72.101   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

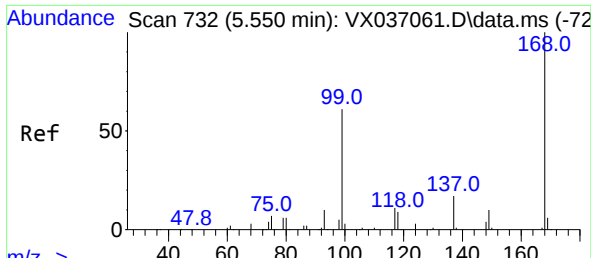
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082423\  
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MSVOA\_X  
ClientSampleId :

Quant Time: Aug 24 23:40:39 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

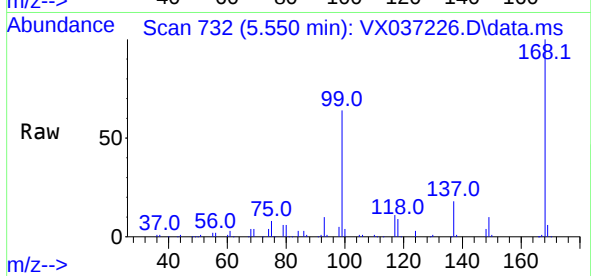
Lab File: VX037226.D

Acq: 24 Aug 2023 19:07

Instrument :

MSVOA\_X

ClientSampleId :

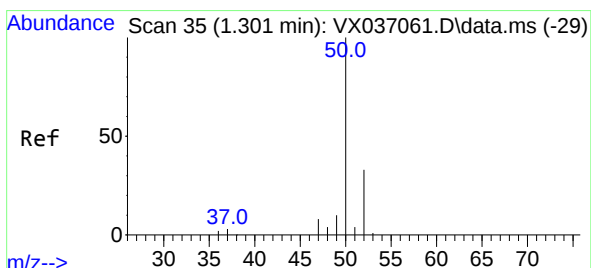
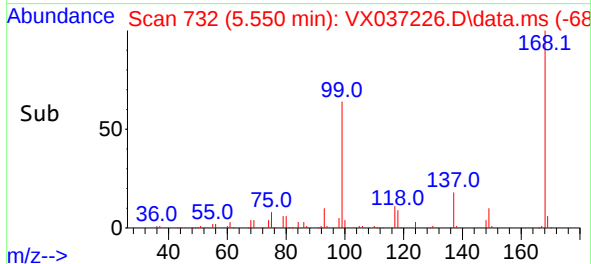
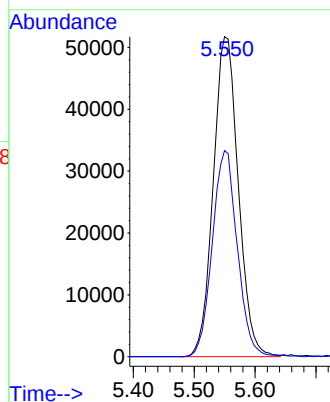


Tgt Ion:168 Resp: 147858

Ion Ratio Lower Upper

168 100

99 64.4 56.6 85.0



#3

Chloromethane

Concen: 0.335 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX037226.D

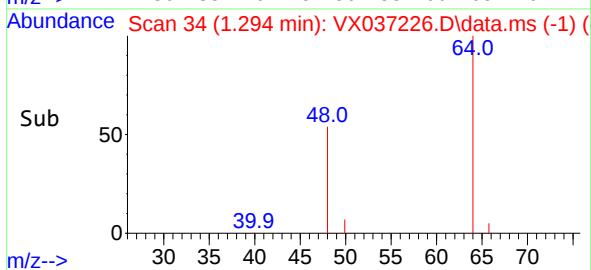
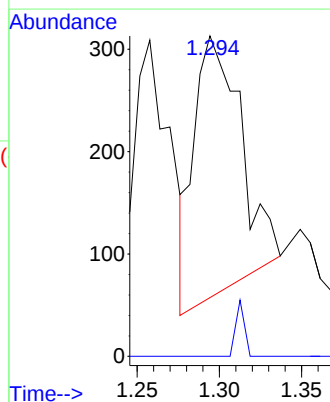
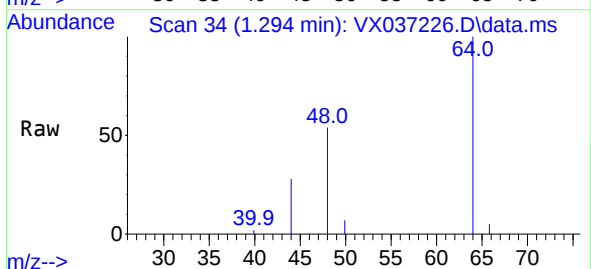
Acq: 24 Aug 2023 19:07

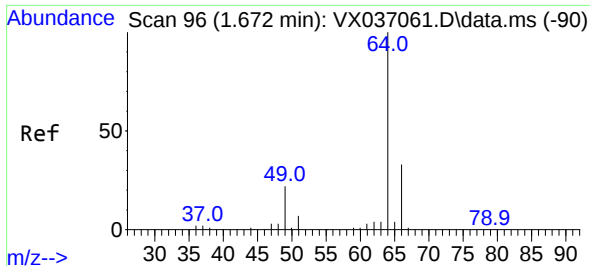
Tgt Ion: 50 Resp: 503

Ion Ratio Lower Upper

50 100

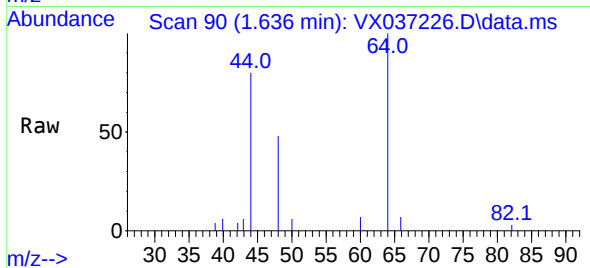
52 0.0 25.5 38.3#



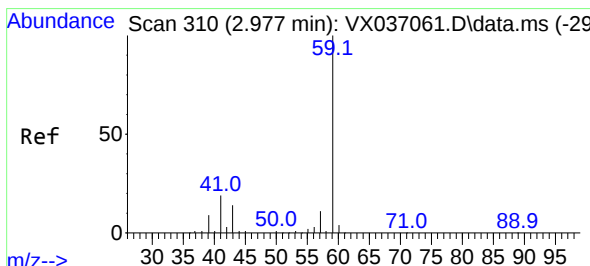
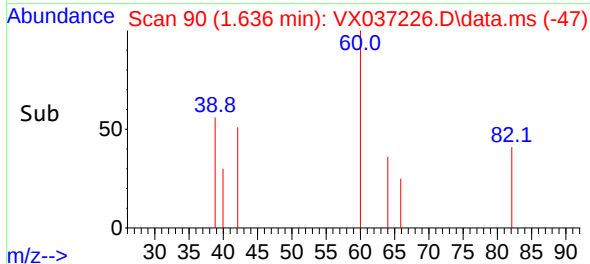
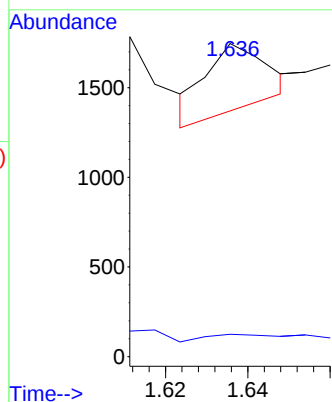


#6  
Chloroethane  
Concen: 0.408 ug/l  
RT: 1.636 min Scan# 90  
Delta R.T. -0.036 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Instrument :  
MSVOA\_X  
ClientSampleId :

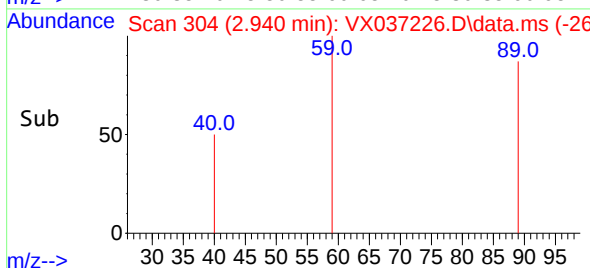
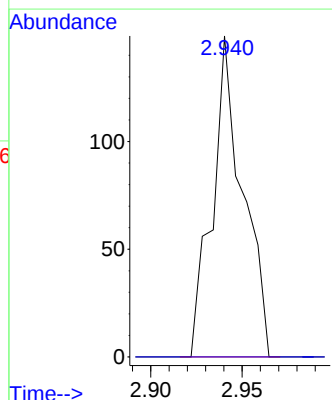
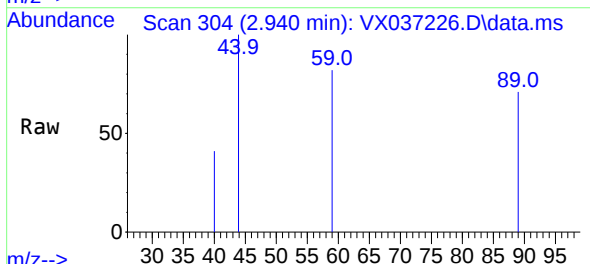


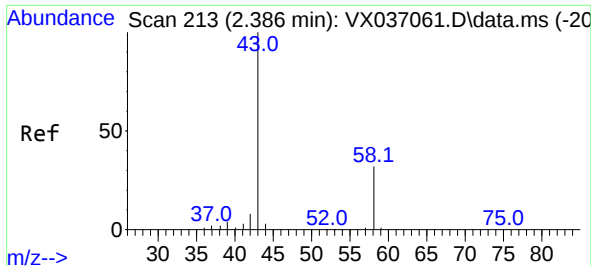
Tgt Ion: 64 Resp: 393  
Ion Ratio Lower Upper  
64 100  
66 15.2 25.1 37.7#



#11  
Tert butyl alcohol  
Concen: 0.346 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.037 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Tgt Ion: 59 Resp: 173  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

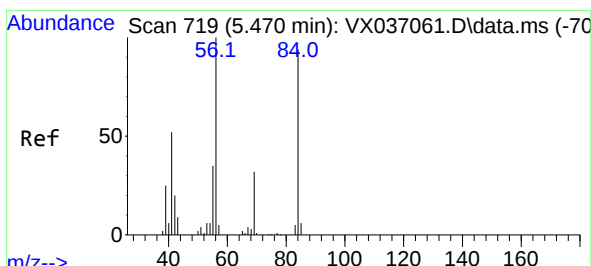
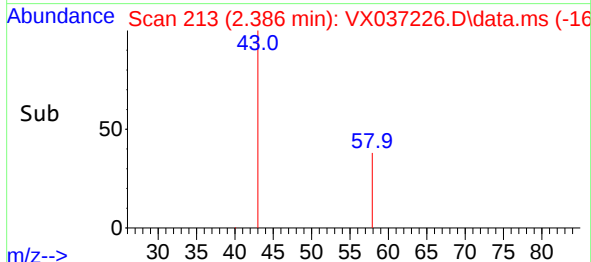
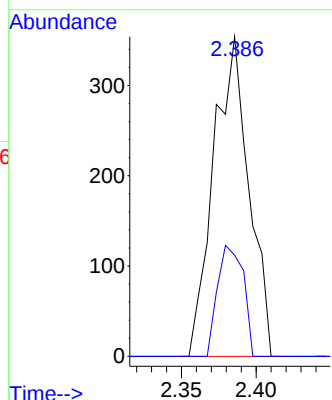
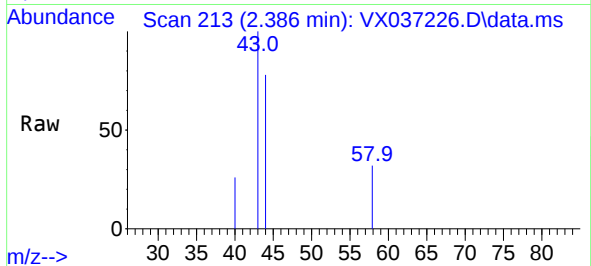




#16  
Acetone  
Concen: 0.697 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

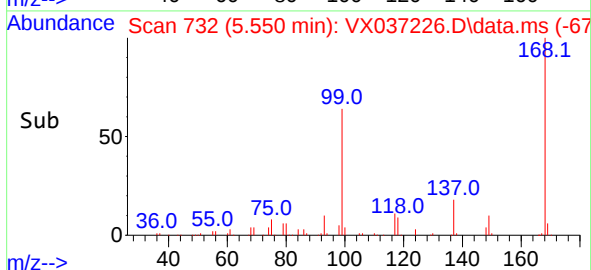
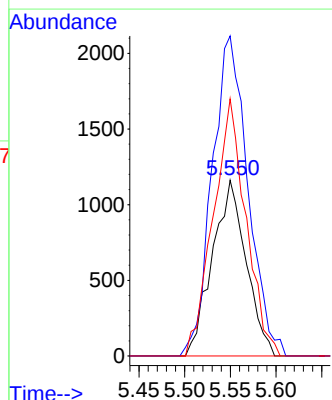
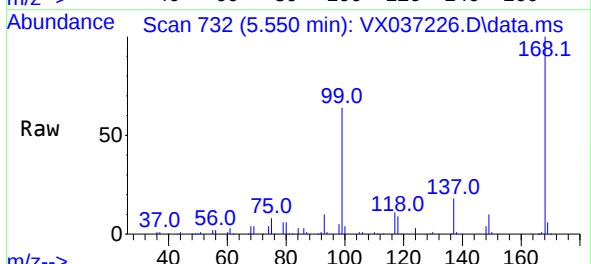
Instrument :  
MSVOA\_X  
ClientSampleId :

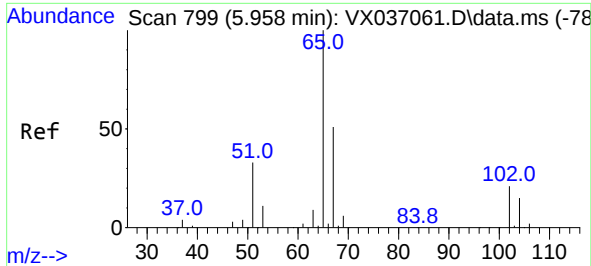
Tgt Ion: 43 Resp: 581  
Ion Ratio Lower Upper  
43 100  
58 31.6 21.9 32.9



#31  
Cyclohexane  
Concen: 1.244 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Tgt Ion: 56 Resp: 2981  
Ion Ratio Lower Upper  
56 100  
69 182.2 23.4 35.2#  
84 146.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.137 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037226.D

Acq: 24 Aug 2023 19:07

Instrument :

MSVOA\_X

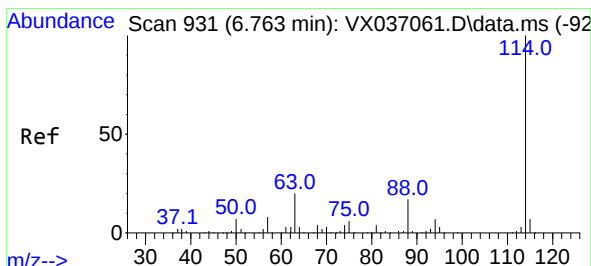
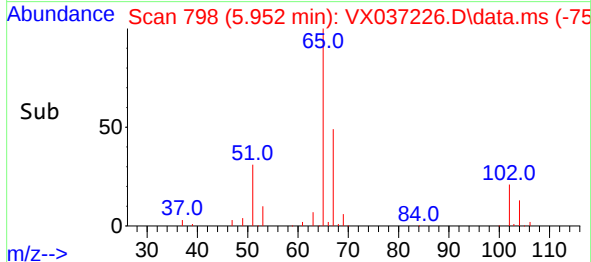
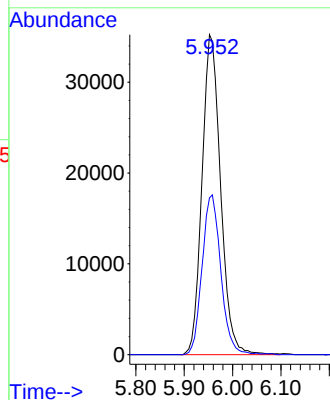
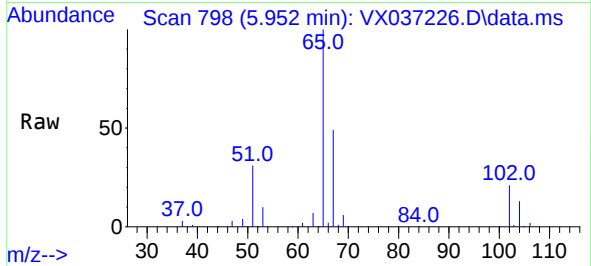
ClientSampleId :

Tgt Ion: 65 Resp: 94085

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037226.D

Acq: 24 Aug 2023 19:07

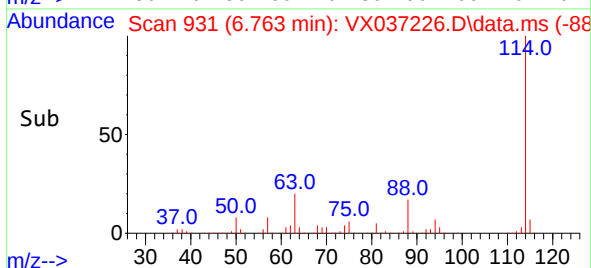
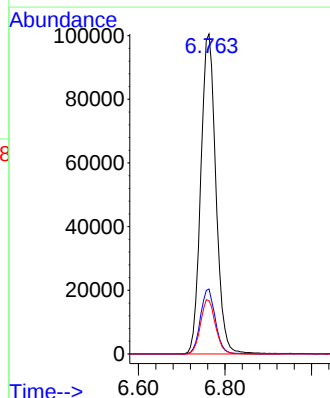
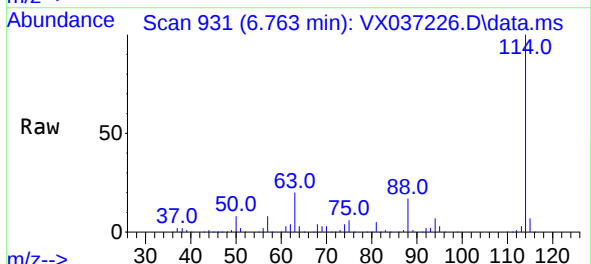
Tgt Ion: 114 Resp: 243177

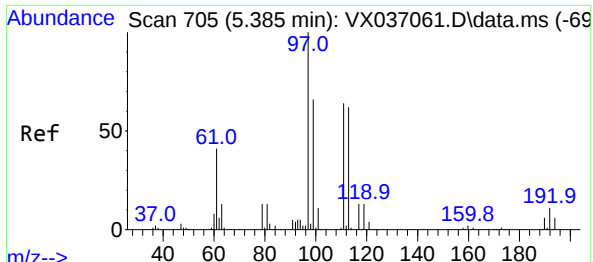
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

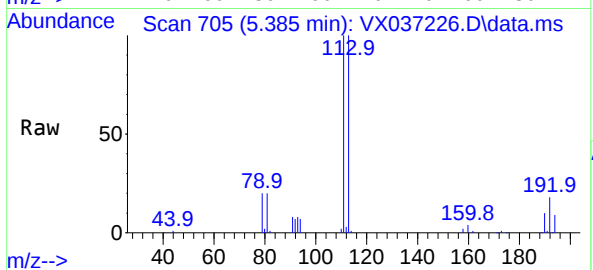
88 16.7 0.0 36.6



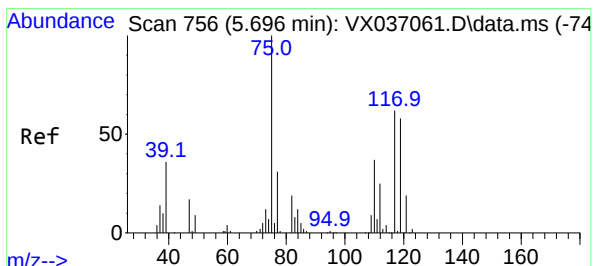
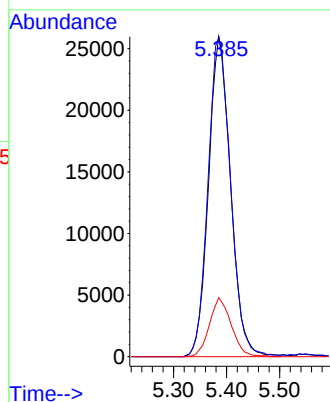
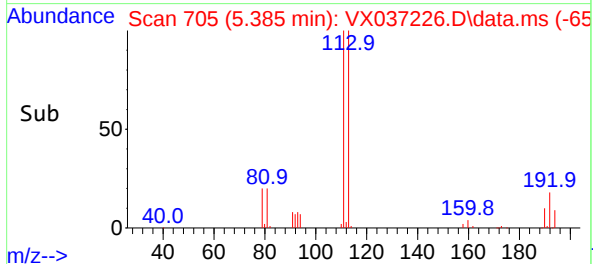


#35  
Dibromofluoromethane  
Concen: 46.738 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

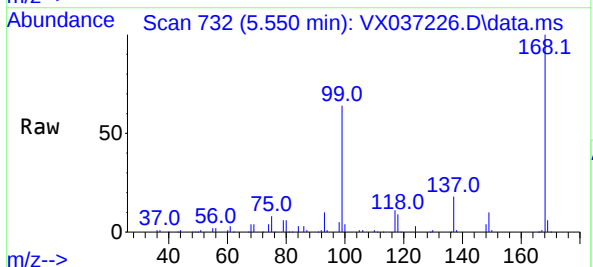
Instrument :  
MSVOA\_X  
ClientSampleId :



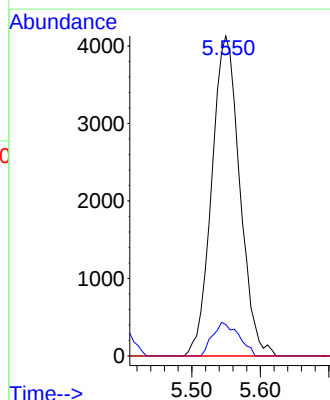
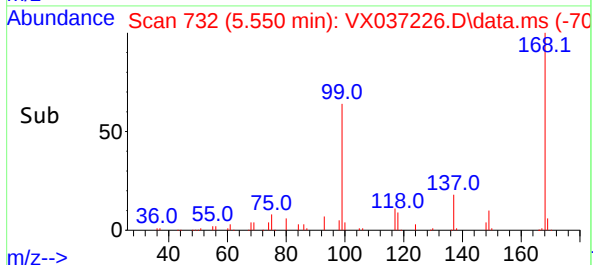
Tgt Ion:113 Resp: 75271  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.9 124.3  
192 18.2 13.3 19.9

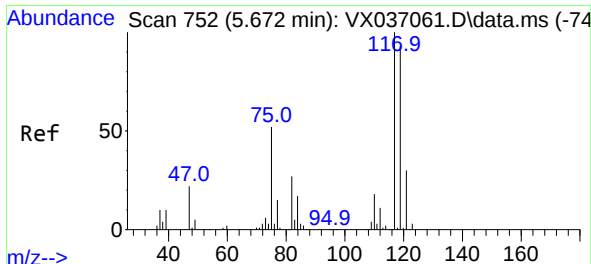


#36  
1,1-Dichloropropene  
Concen: 5.116 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07



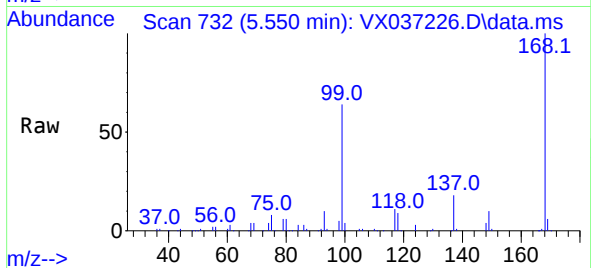
Tgt Ion: 75 Resp: 11706  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.0 50.9#  
77 0.0 24.7 37.1#



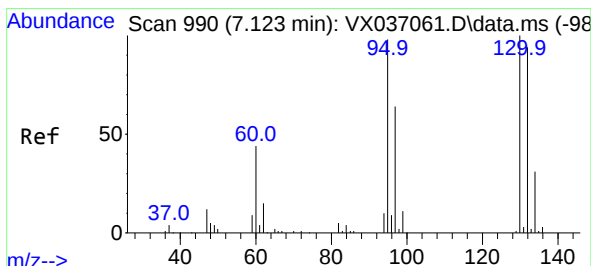
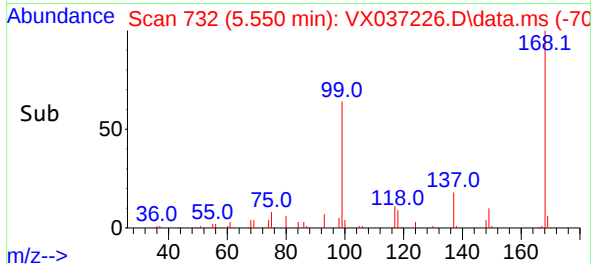
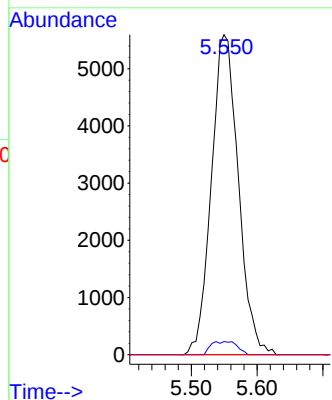


#38  
Carbon Tetrachloride  
Concen: 6.428 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Instrument :  
MSVOA\_X  
ClientSampleId :

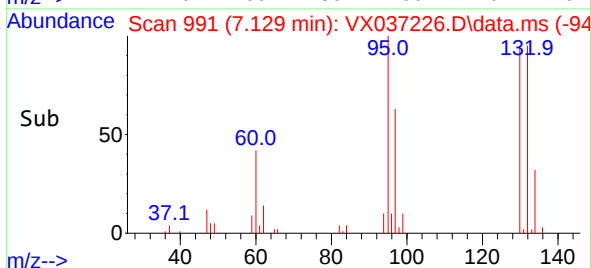
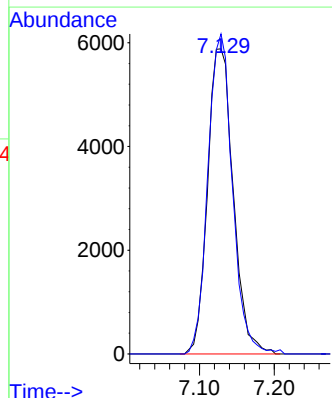
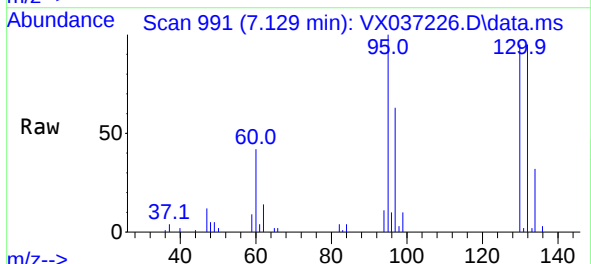


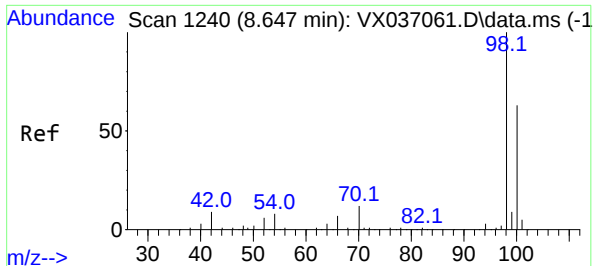
Tgt Ion:117 Resp: 15976  
Ion Ratio Lower Upper  
117 100  
119 4.1 78.2 117.2#  
121 0.0 24.4 36.6#



#44  
Trichloroethene  
Concen: 7.563 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Tgt Ion:130 Resp: 14073  
Ion Ratio Lower Upper  
130 100  
95 104.9 0.0 204.4

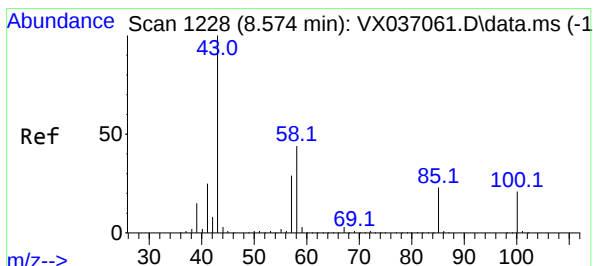
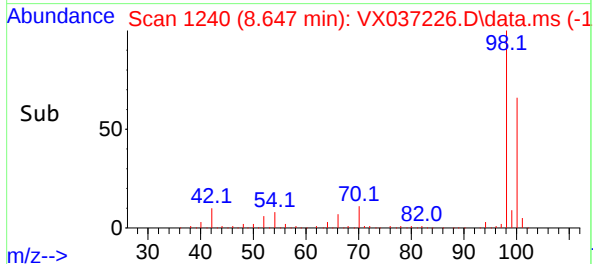
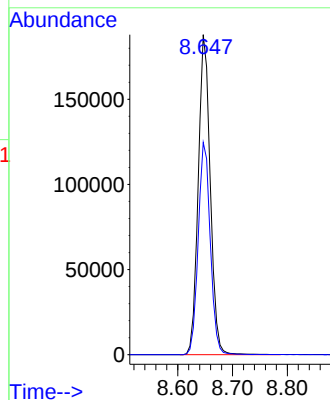
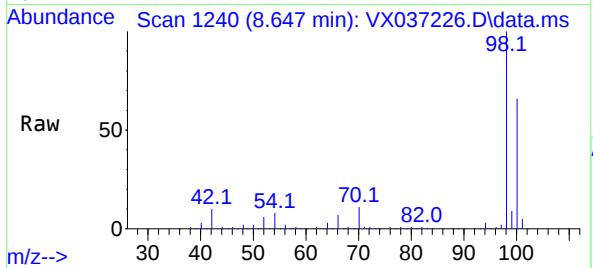




#50  
Toluene-d8  
Concen: 49.112 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

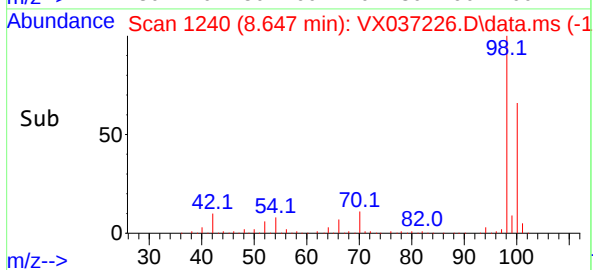
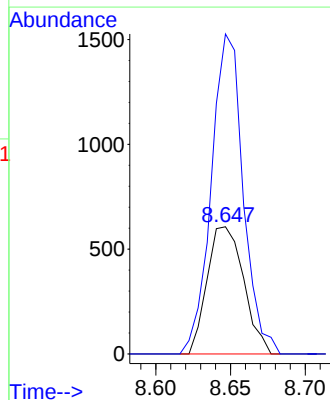
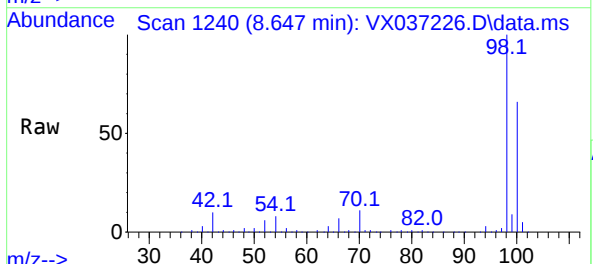
Instrument :  
MSVOA\_X  
ClientSampleId :

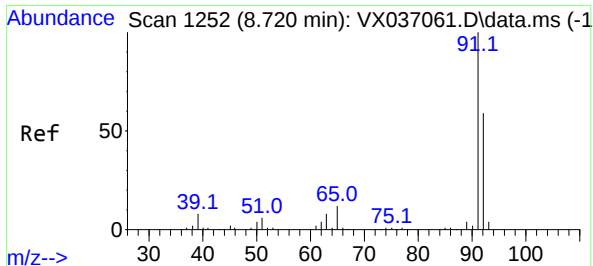
Tgt Ion: 98 Resp: 286905  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.457 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Tgt Ion: 43 Resp: 1030  
Ion Ratio Lower Upper  
43 100  
58 220.1 30.4 45.6#





#52

Toluene

Concen: 0.374 ug/l

RT: 8.726 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX037226.D

Acq: 24 Aug 2023 19:07

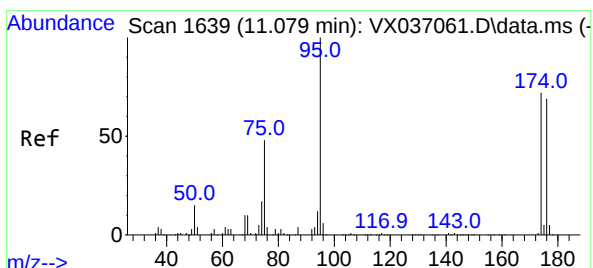
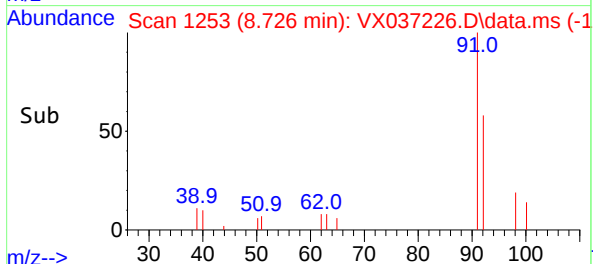
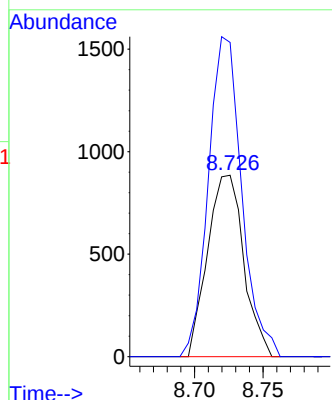
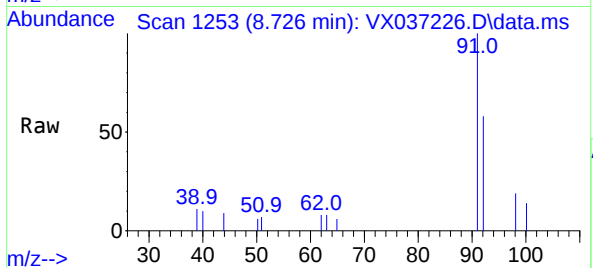
Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion: 92 Resp: 1623

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 92  | 100   |       |       |
| 91  | 162.8 | 134.2 | 201.2 |



#62

4-Bromofluorobenzene

Concen: 47.878 ug/l

RT: 11.079 min Scan# 1639

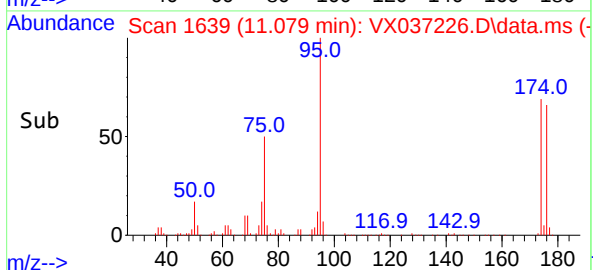
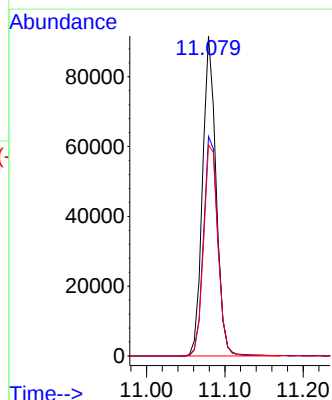
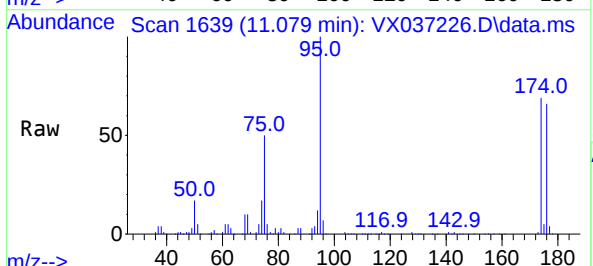
Delta R.T. -0.000 min

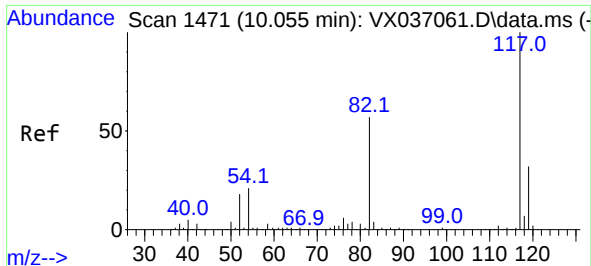
Lab File: VX037226.D

Acq: 24 Aug 2023 19:07

Tgt Ion: 95 Resp: 109918

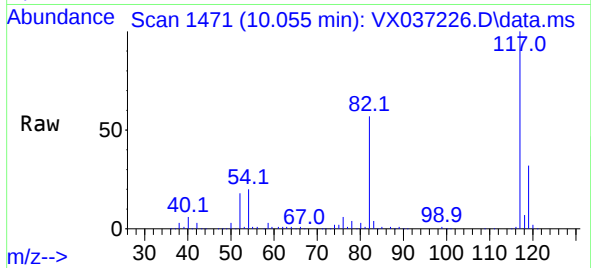
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 72.9  | 0.0   | 135.6 |
| 176 | 70.2  | 0.0   | 131.0 |



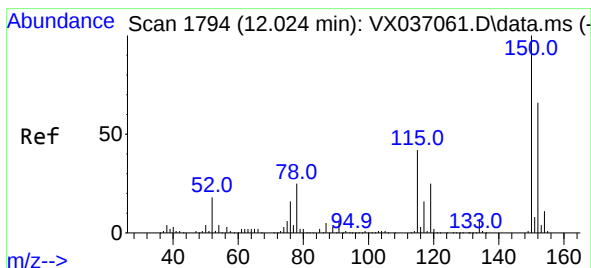
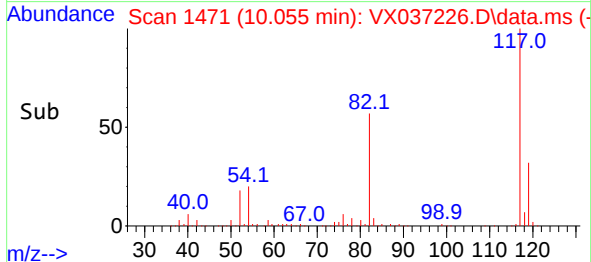
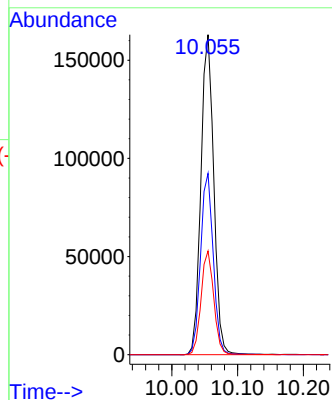


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Instrument :  
MSVOA\_X  
ClientSampleId :

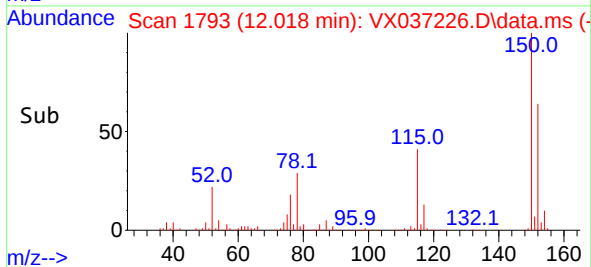
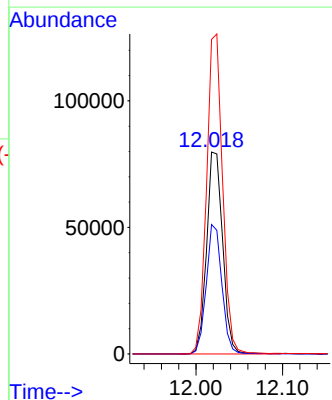
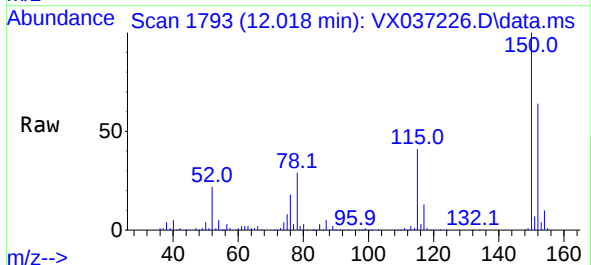


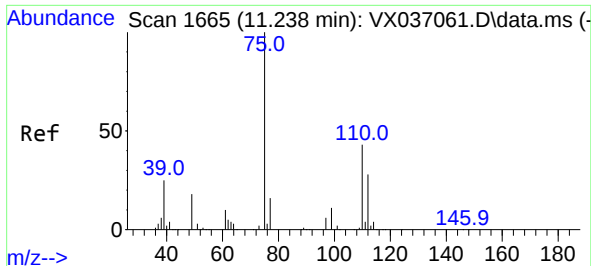
Tgt Ion:117 Resp: 221638  
Ion Ratio Lower Upper  
117 100  
82 56.6 46.2 69.4  
119 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Tgt Ion:152 Resp: 102821  
Ion Ratio Lower Upper  
152 100  
115 62.6 43.3 129.9  
150 157.6 0.0 345.0

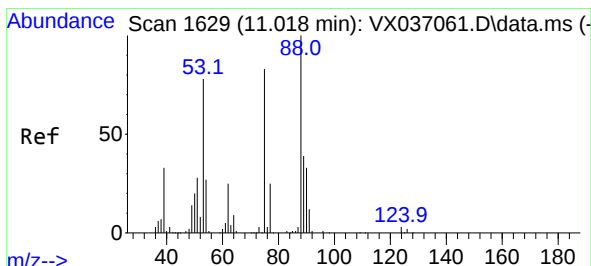
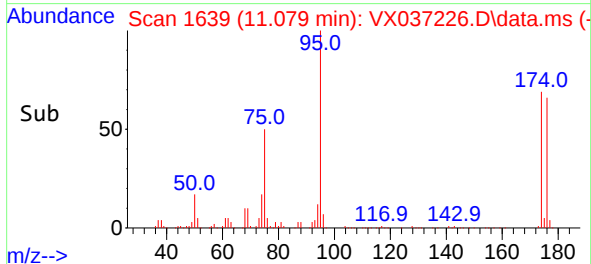
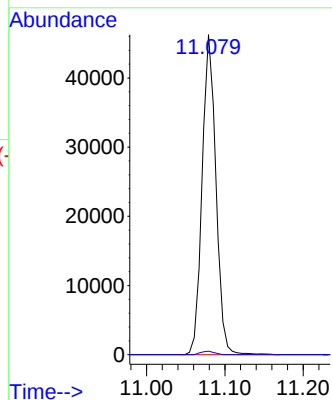
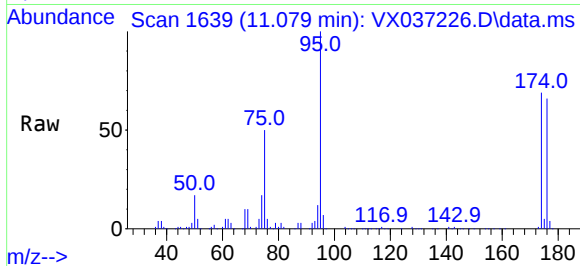




#76  
1,2,3-Trichloropropane  
Concen: 25.814 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 56527  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.101 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX037226.D  
Acq: 24 Aug 2023 19:07

Tgt Ion: 75 Resp: 56527  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

