

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090523\  
 Data File : VX037511.D  
 Acq On : 05 Sep 2023 14:44  
 Operator : JC/MD  
 Sample : 04266-02RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 06 02:54:54 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

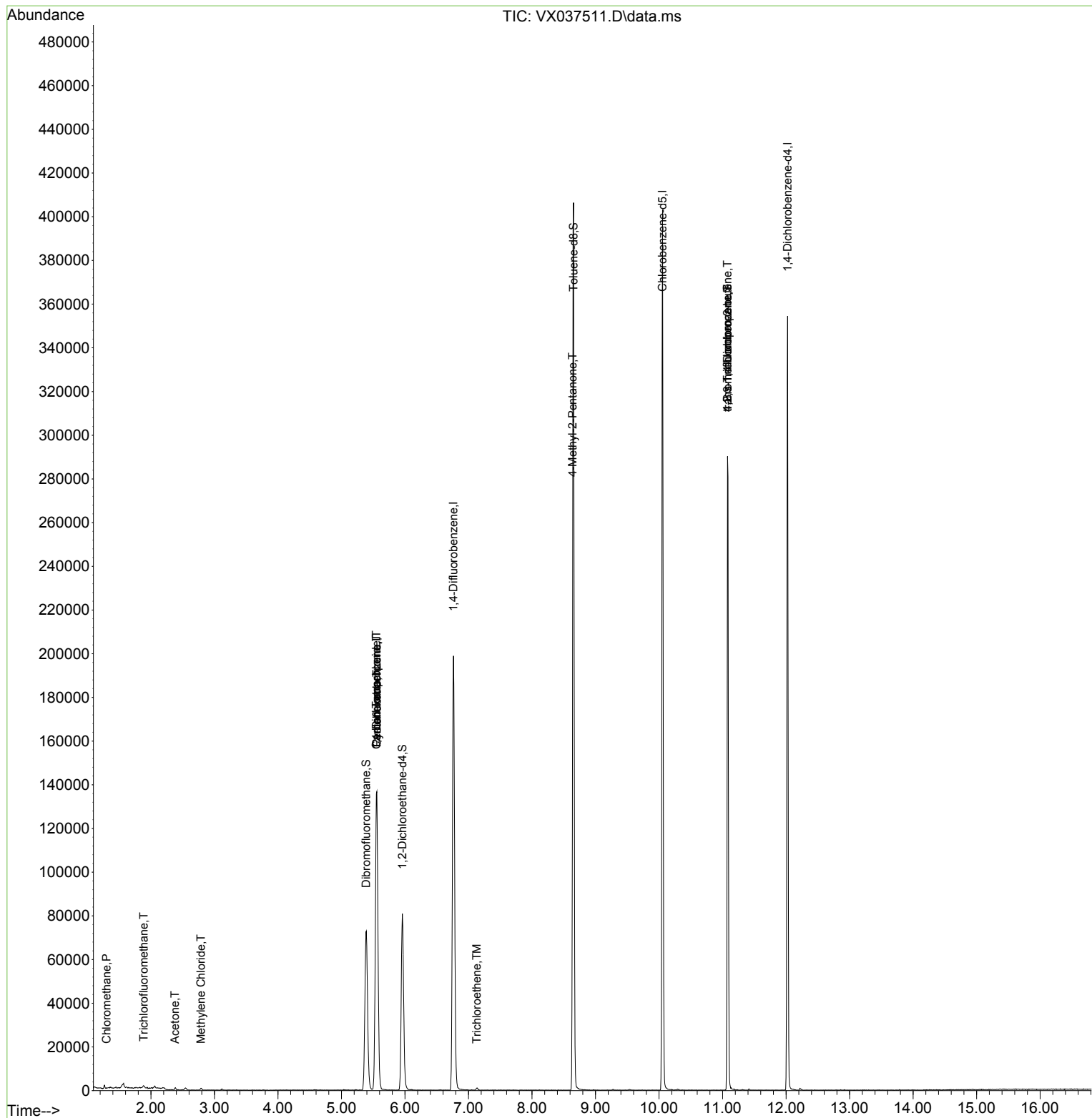
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 130597   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 215662   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 187454   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 77620    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 79270    | 42.102   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 84.200%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 67062    | 46.953   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 93.900%  |
| 50) Toluene-d8                | 8.653  | 98    | 252711   | 48.777   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.560%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 87138    | 42.798   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 85.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.301  | 50    | 327      | 0.246    | ug/l # | 43       |
| 7) Trichlorofluoromethane     | 1.886  | 101   | 771      | 0.326    | ug/l   | 96       |
| 16) Acetone                   | 2.380  | 43    | 982      | 1.333    | ug/l   | 91       |
| 20) Methylene Chloride        | 2.788  | 84    | 552      | 0.335    | ug/l # | 73       |
| 31) Cyclohexane               | 5.556  | 56    | 2315     | 1.094    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9815     | 4.837    | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 13720    | 6.224    | ug/l # | 15       |
| 44) Trichloroethene           | 7.129  | 130   | 467      | 0.283    | ug/l   | 74       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 760      | 0.380    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 41318    | 24.995   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 41318    | 69.812   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

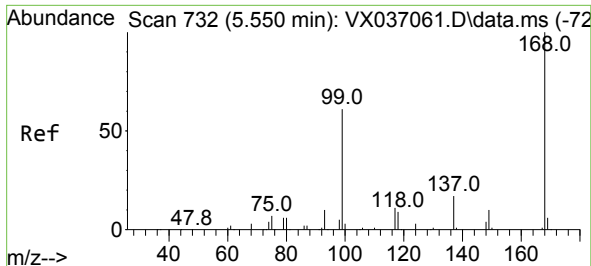
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

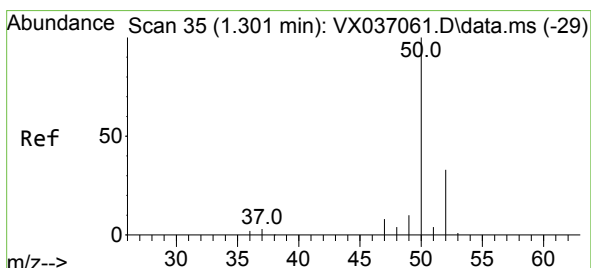
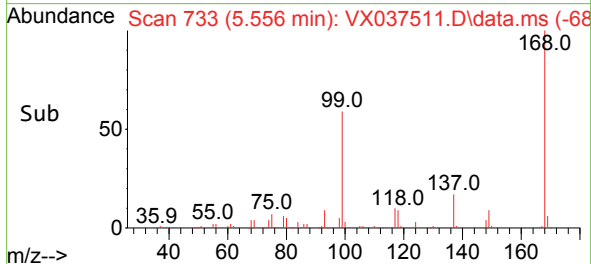
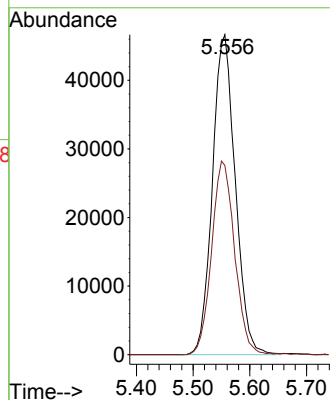
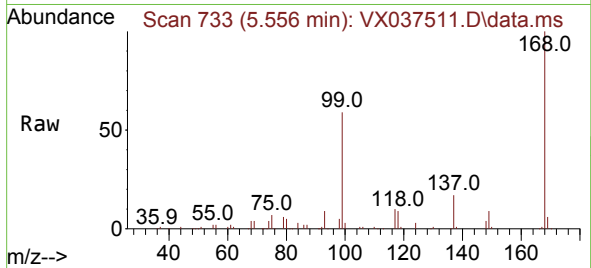




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037511.D  
Acq: 05 Sep 2023 14:44

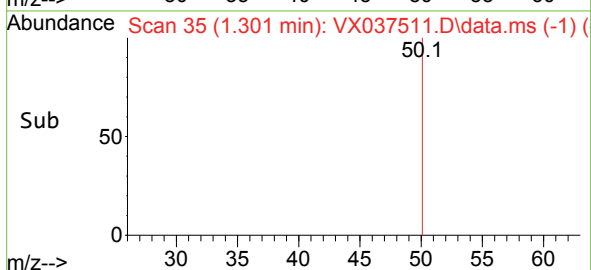
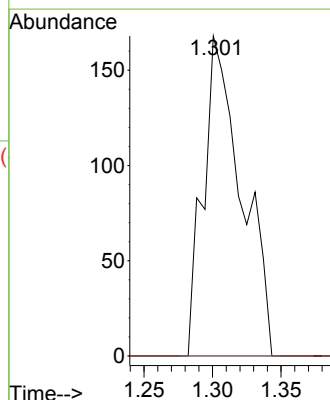
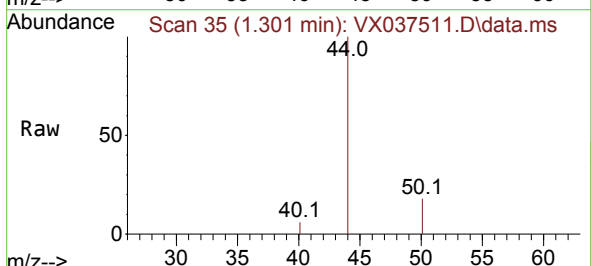
Instrument :  
MSVOA\_X  
ClientSampleId :

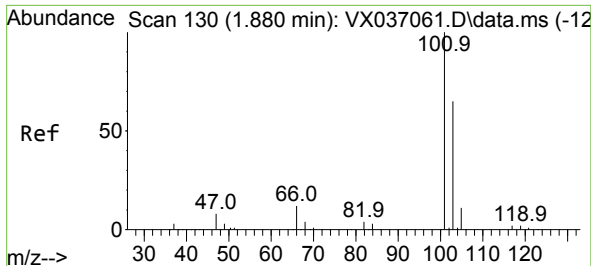
Tgt Ion:168 Resp: 130597  
Ion Ratio Lower Upper  
168 100  
99 59.2 56.6 85.0



#3  
Chloromethane  
Concen: 0.246 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.000 min  
Lab File: VX037511.D  
Acq: 05 Sep 2023 14:44

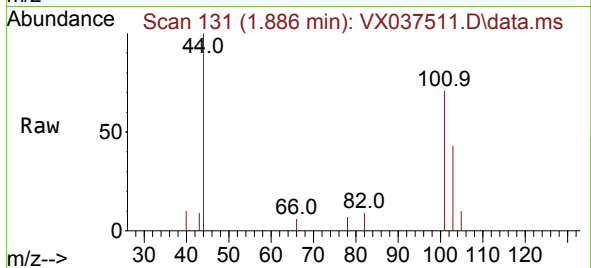
Tgt Ion: 50 Resp: 327  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.5 38.3#



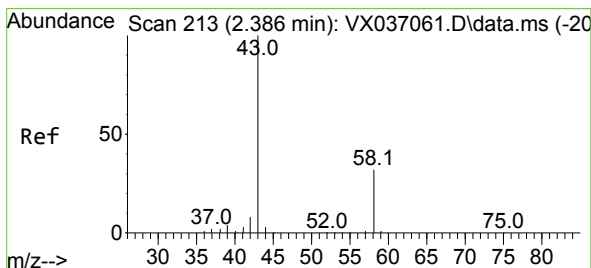
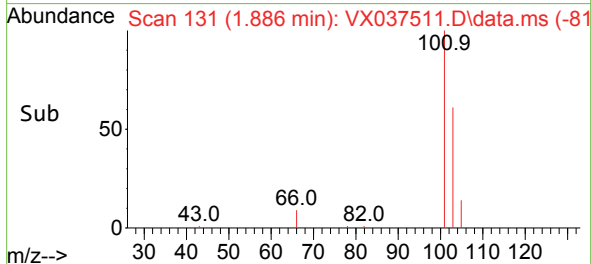
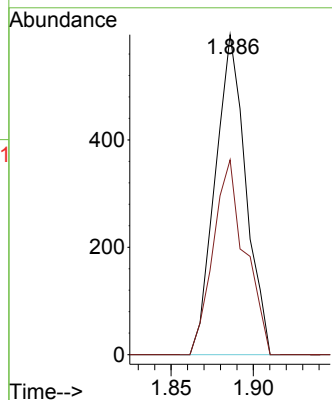


#7  
 Trichlorofluoromethane  
 Concen: 0.326 ug/l  
 RT: 1.886 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX037511.D  
 Acq: 05 Sep 2023 14:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :

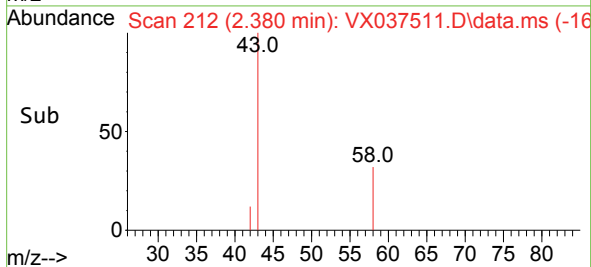
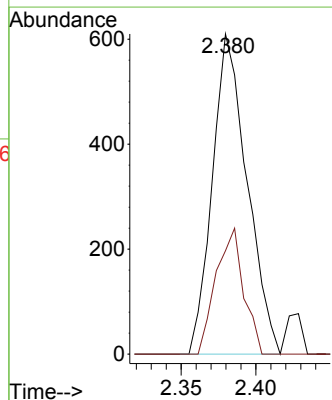
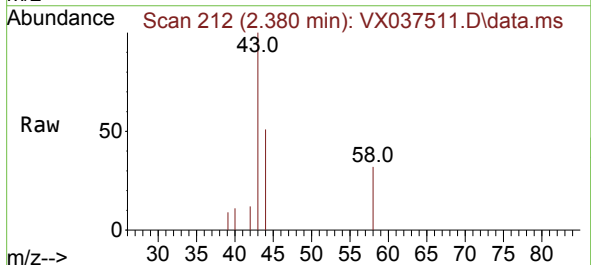


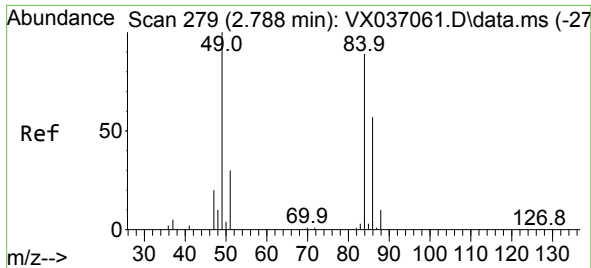
Tgt Ion:101 Resp: 771  
 Ion Ratio Lower Upper  
 101 100  
 103 60.9 51.4 77.2



#16  
 Acetone  
 Concen: 1.333 ug/l  
 RT: 2.380 min Scan# 212  
 Delta R.T. -0.006 min  
 Lab File: VX037511.D  
 Acq: 05 Sep 2023 14:44

Tgt Ion: 43 Resp: 982  
 Ion Ratio Lower Upper  
 43 100  
 58 32.3 21.9 32.9





#20

Methylene Chloride

Concen: 0.335 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

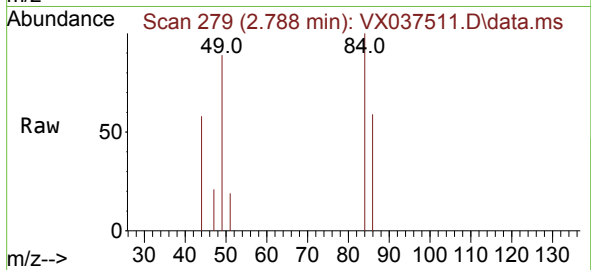
Lab File: VX037511.D

Acq: 05 Sep 2023 14:44

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 84 Resp: 552

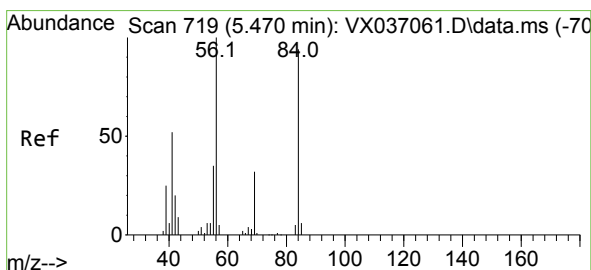
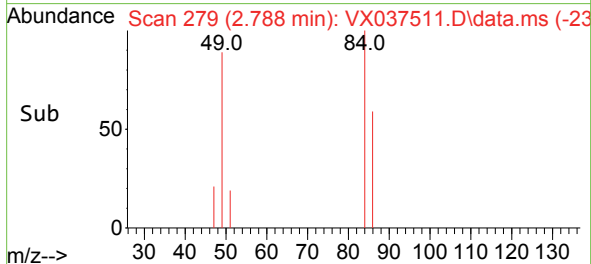
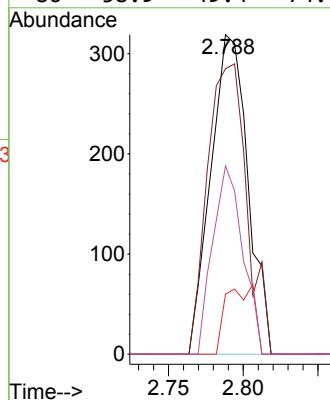
Ion Ratio Lower Upper

84 100

49 89.3 103.6 155.4#

51 18.8 33.8 50.6#

86 58.9 49.4 74.0



#31

Cyclohexane

Concen: 1.094 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037511.D

Acq: 05 Sep 2023 14:44

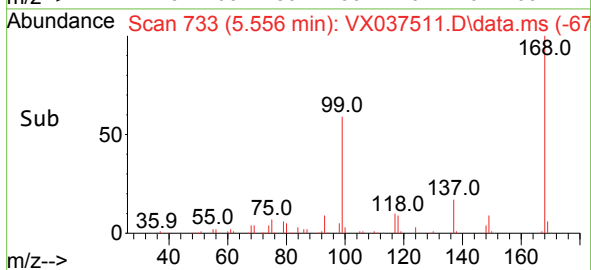
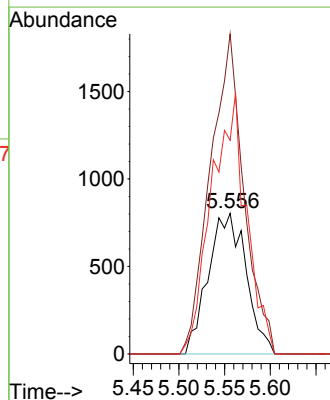
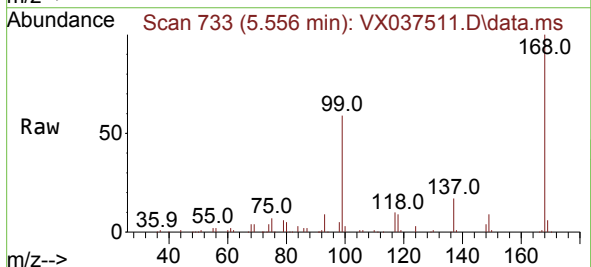
Tgt Ion: 56 Resp: 2315

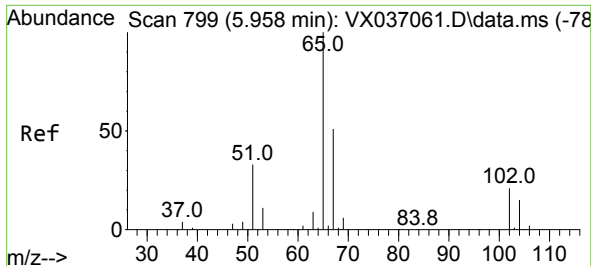
Ion Ratio Lower Upper

56 100

69 227.5 23.4 35.2#

84 151.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.102 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037511.D

Acq: 05 Sep 2023 14:44

Instrument :

MSVOA\_X

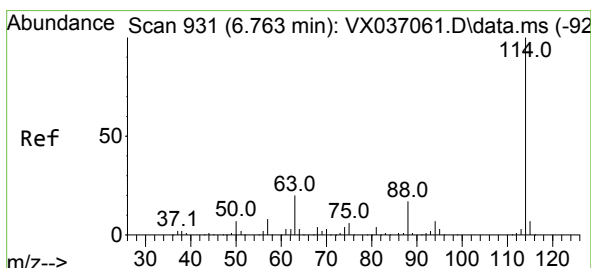
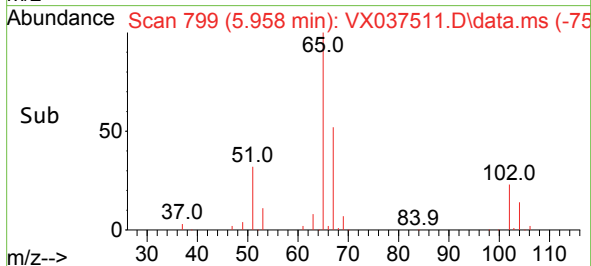
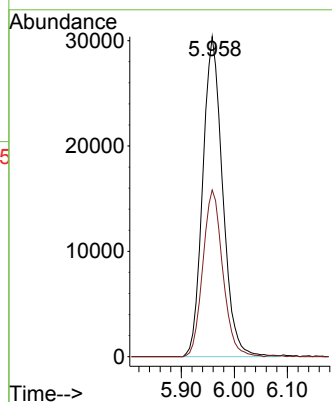
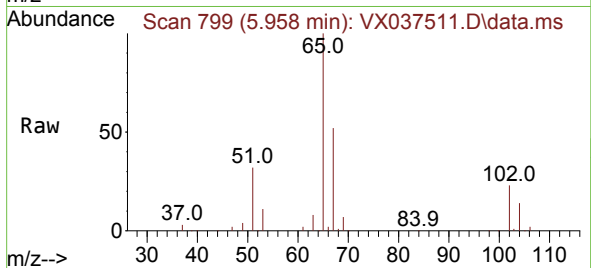
ClientSampleId :

Tgt Ion: 65 Resp: 79270

Ion Ratio Lower Upper

65 100

67 52.0 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: VX037511.D

Acq: 05 Sep 2023 14:44

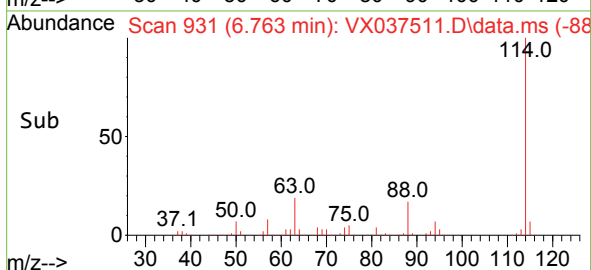
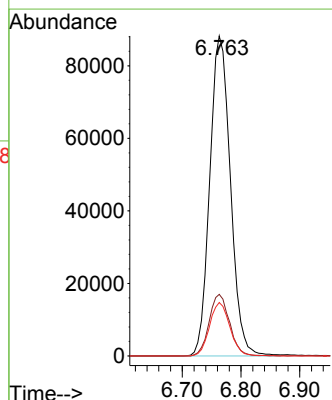
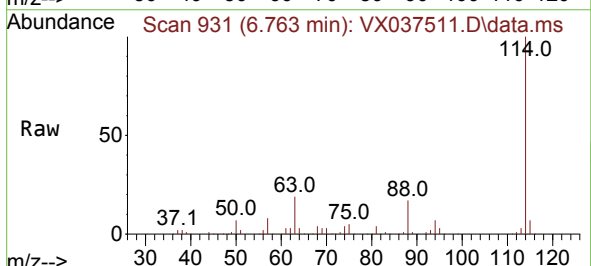
Tgt Ion: 114 Resp: 215662

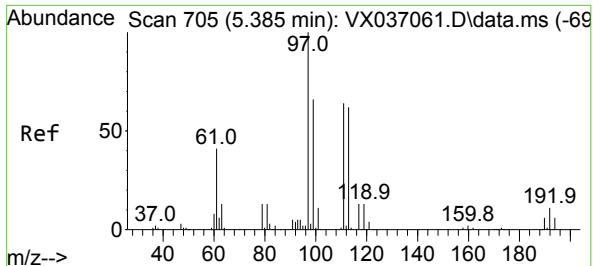
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

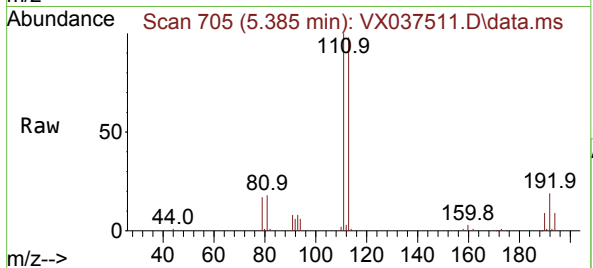
88 16.7 0.0 36.6



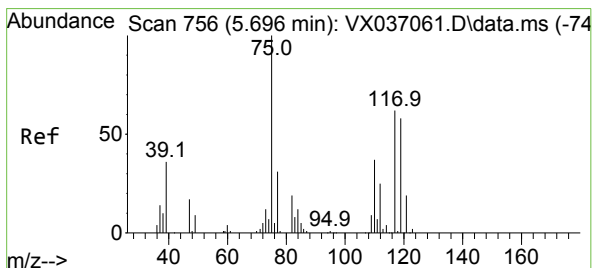
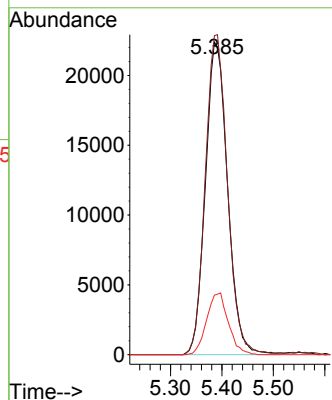
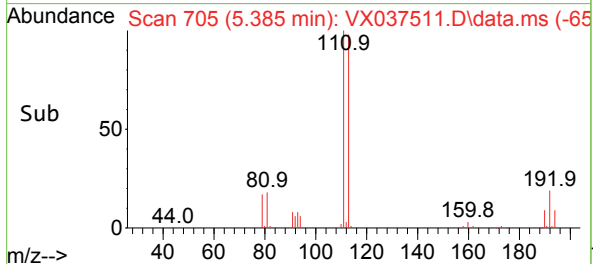


#35  
Dibromofluoromethane  
Concen: 46.953 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037511.D  
Acq: 05 Sep 2023 14:44

Instrument :  
MSVOA\_X  
ClientSampleId :

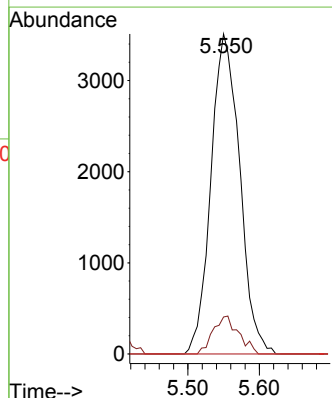
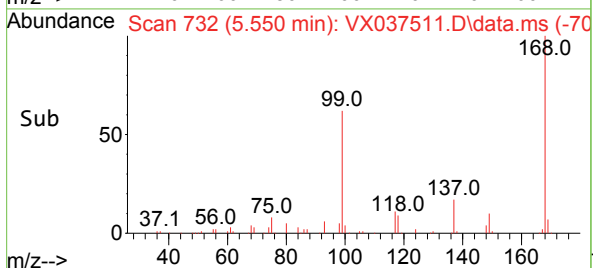
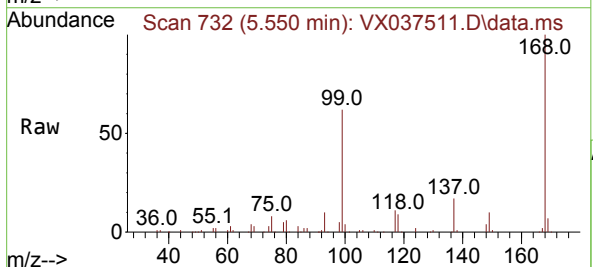


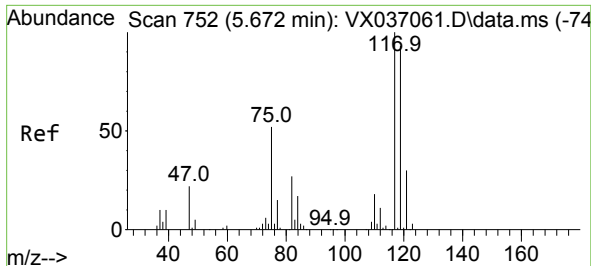
Tgt Ion:113 Resp: 67062  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.9 124.3  
192 19.3 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.837 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX037511.D  
Acq: 05 Sep 2023 14:44

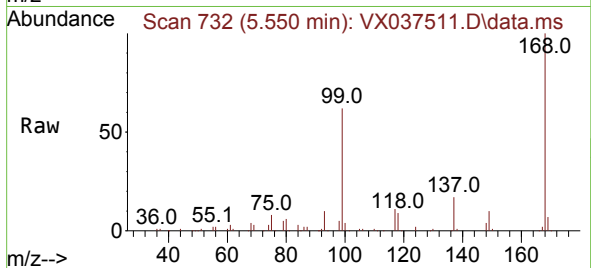
Tgt Ion: 75 Resp: 9815  
Ion Ratio Lower Upper  
75 100  
110 10.5 17.0 50.9#  
77 0.0 24.7 37.1#



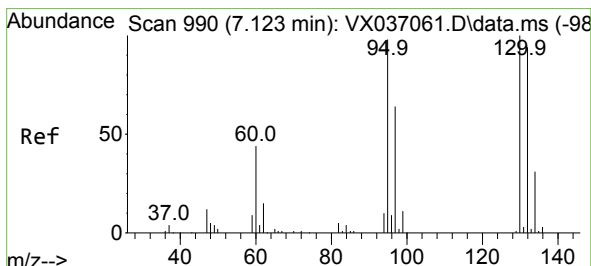
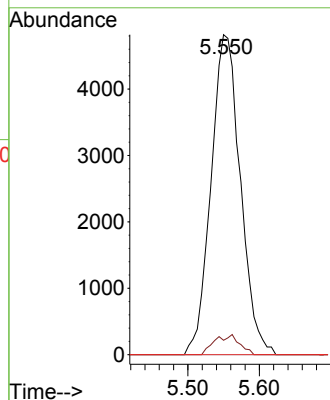
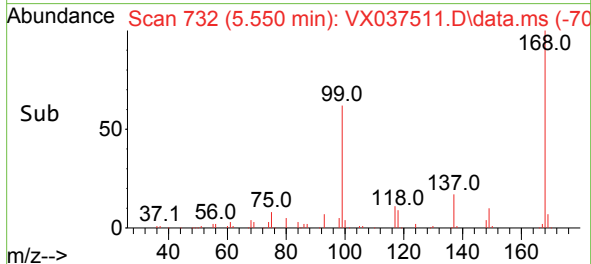


#38  
Carbon Tetrachloride  
Concen: 6.224 ug/l  
RT: 5.550 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX037511.D  
Acq: 05 Sep 2023 14:44

Instrument :  
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ClientSampleId :

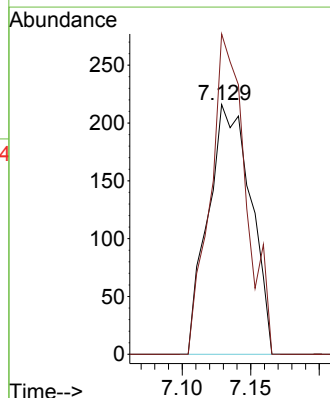
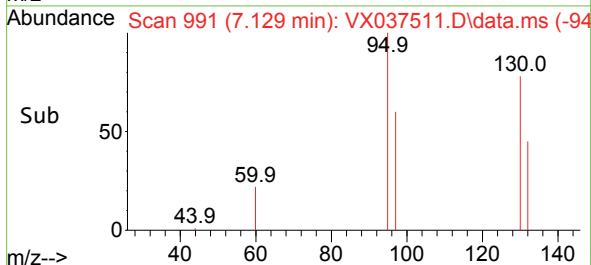
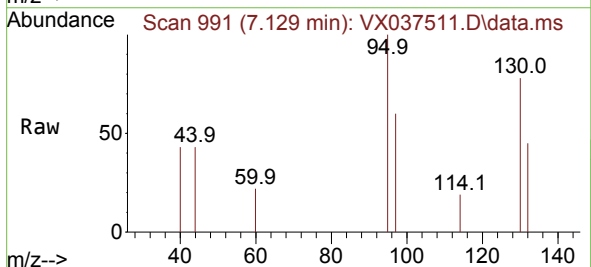


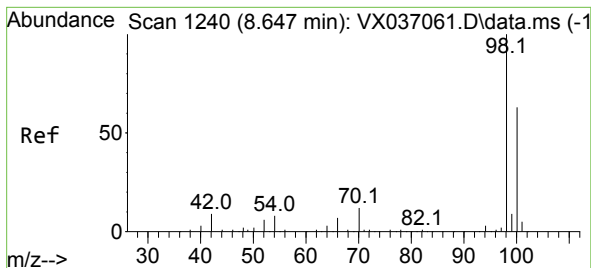
Tgt Ion:117 Resp: 13720  
Ion Ratio Lower Upper  
117 100  
119 4.5 78.2 117.2#  
121 0.0 24.4 36.6#



#44  
Trichloroethene  
Concen: 0.283 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX037511.D  
Acq: 05 Sep 2023 14:44

Tgt Ion:130 Resp: 467  
Ion Ratio Lower Upper  
130 100  
95 128.2 0.0 204.4





#50

Toluene-d8

Concen: 48.777 ug/l

RT: 8.653 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX037511.D

Acq: 05 Sep 2023 14:44

Instrument :

MSVOA\_X

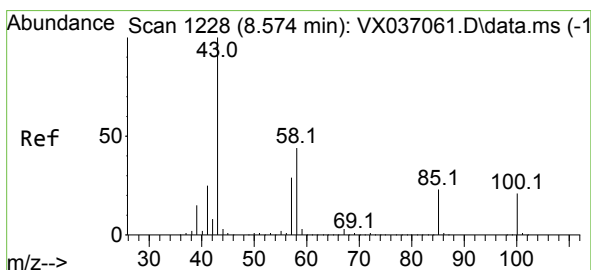
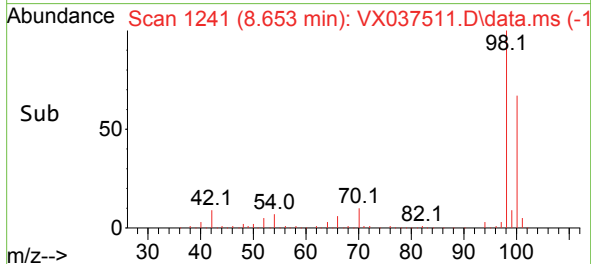
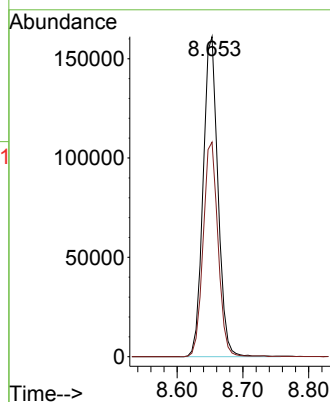
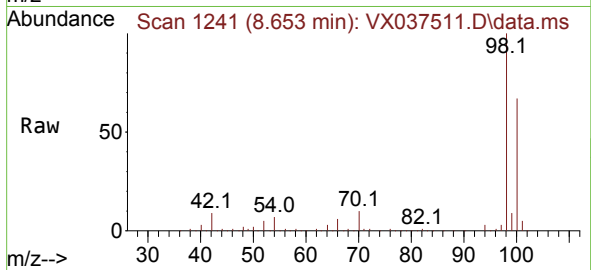
ClientSampleId :

Tgt Ion: 98 Resp: 252711

Ion Ratio Lower Upper

98 100

100 67.1 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.380 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX037511.D

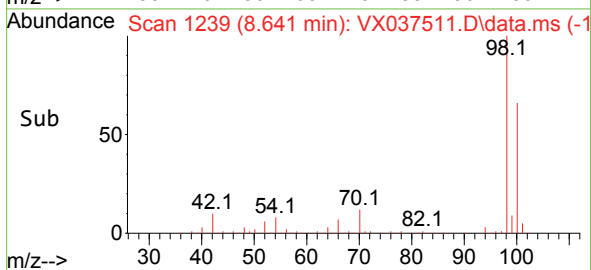
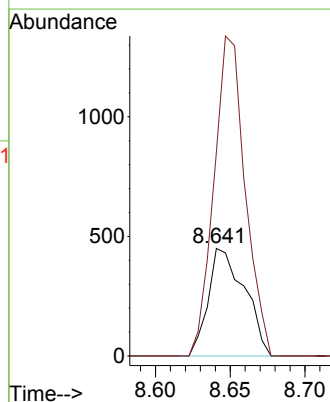
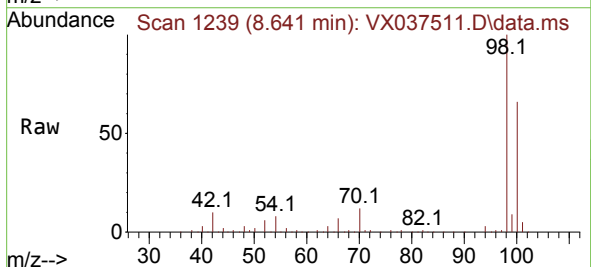
Acq: 05 Sep 2023 14:44

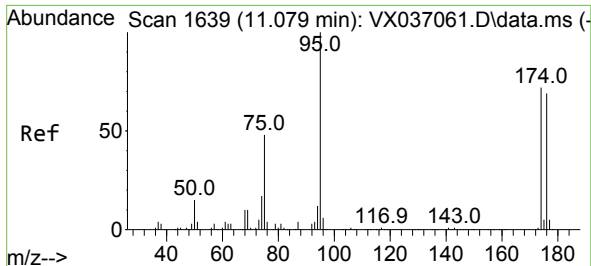
Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

58 256.1 30.4 45.6#

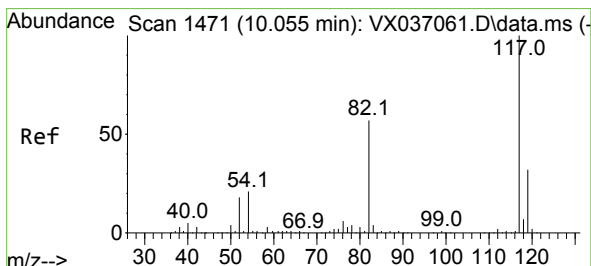
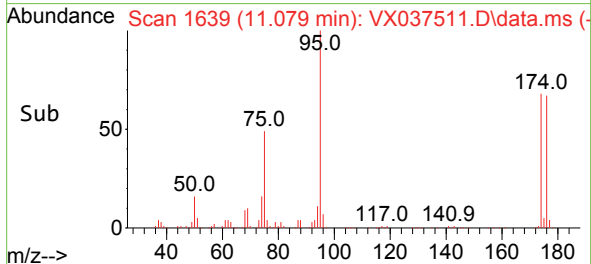
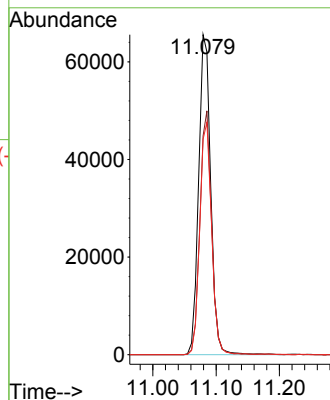
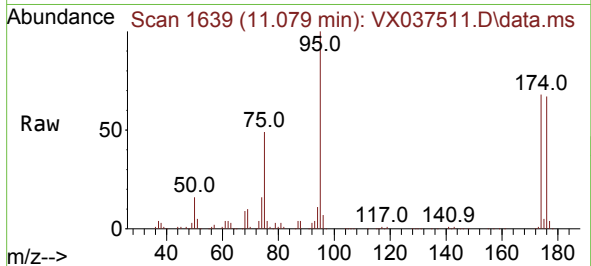




#62  
4-Bromofluorobenzene  
Concen: 42.798 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX037511.D  
Acq: 05 Sep 2023 14:44

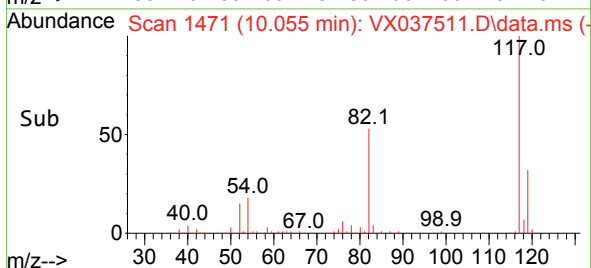
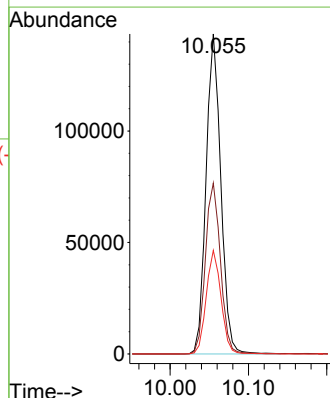
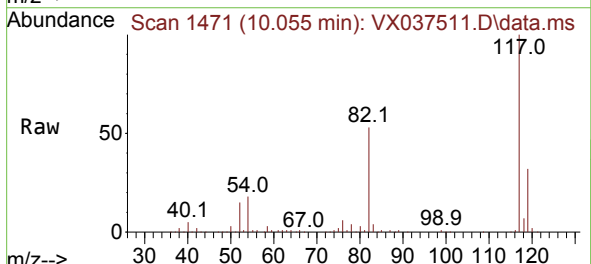
Instrument :  
MSVOA\_X  
ClientSampleId :

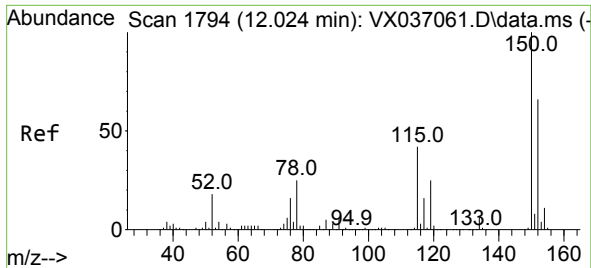
Tgt Ion: 95 Resp: 87138  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 135.6  
176 71.6 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037511.D  
Acq: 05 Sep 2023 14:44

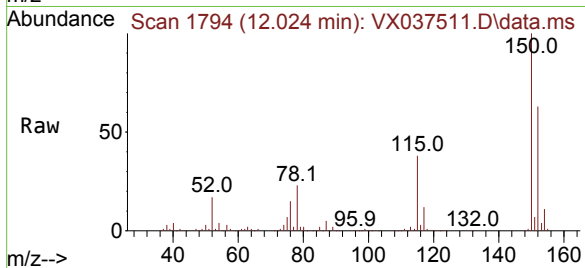
Tgt Ion: 117 Resp: 187454  
Ion Ratio Lower Upper  
117 100  
82 53.4 46.2 69.4  
119 32.4 25.5 38.3



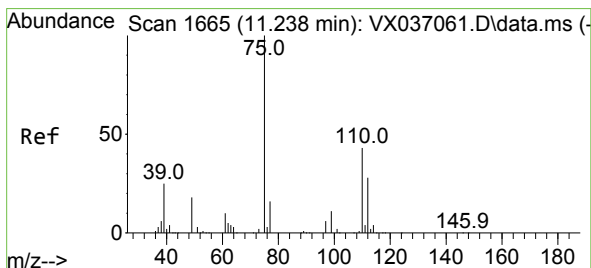
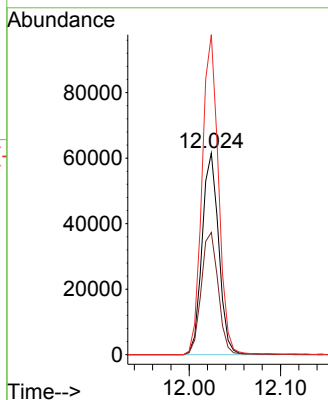
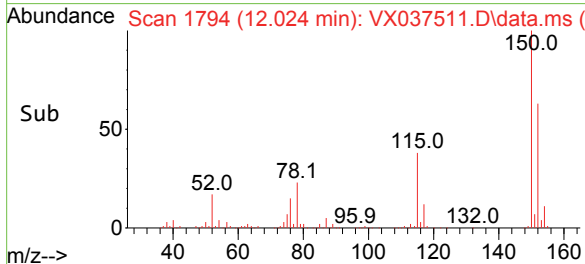


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX037511.D  
 Acq: 05 Sep 2023 14:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :

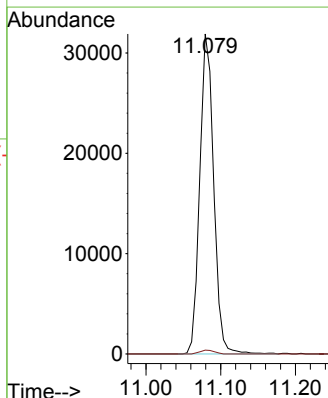
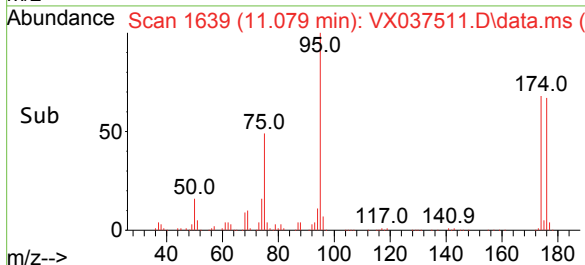
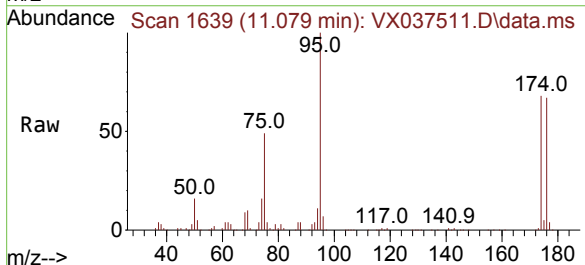


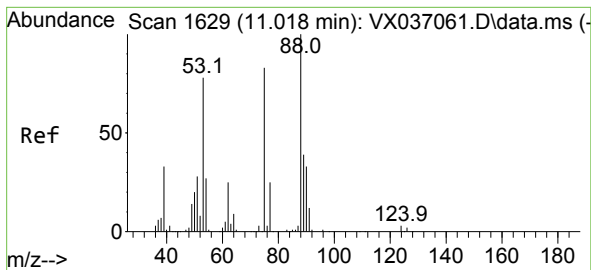
Tgt Ion:152 Resp: 77620  
 Ion Ratio Lower Upper  
 152 100  
 115 61.9 43.3 129.9  
 150 156.5 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 24.995 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX037511.D  
 Acq: 05 Sep 2023 14:44

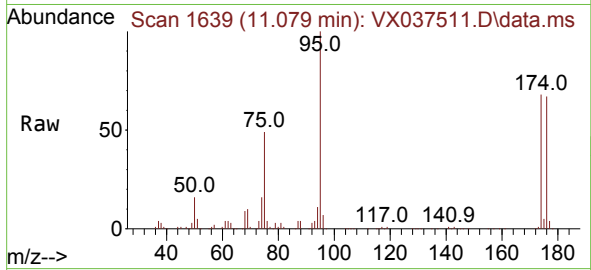
Tgt Ion: 75 Resp: 41318  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 69.812 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037511.D  
 Acq: 05 Sep 2023 14:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 41318  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.1 36.9 55.3#

