

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090523\  
 Data File : VX037514.D  
 Acq On : 05 Sep 2023 15:58  
 Operator : JC/MD  
 Sample : 04276-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 06 02:56:00 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  | 120847   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 198496   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 171819   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 68703    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 71886    | 41.261   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 82.520%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 61763    | 46.983   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.960%  |
| 50) Toluene-d8              | 8.653  | 98    | 230154   | 48.265   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 96.540%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 76700    | 40.929   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 81.860%# |

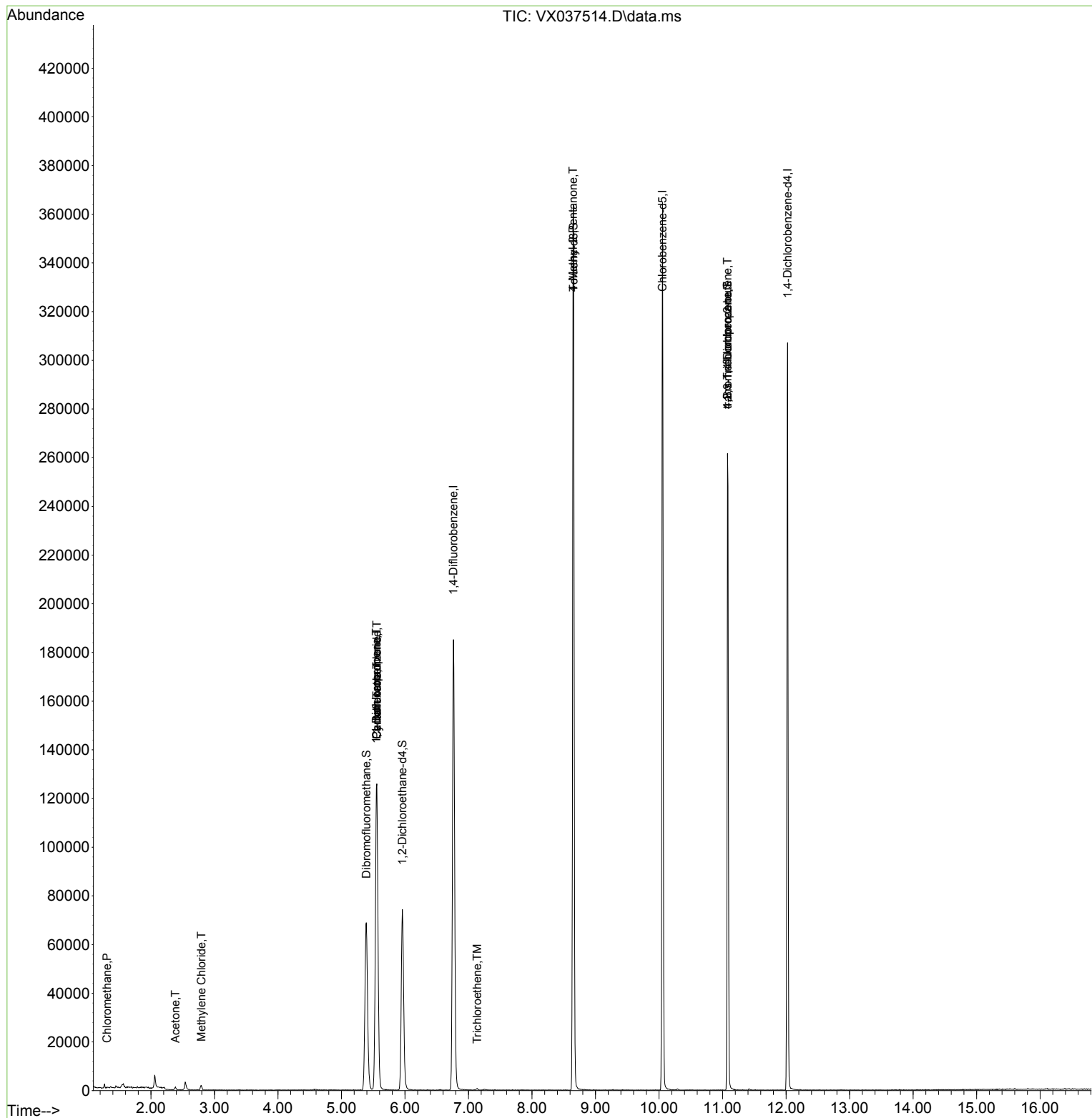
|                               |        |     |        |        |        |    |
|-------------------------------|--------|-----|--------|--------|--------|----|
| Target Compounds              |        |     | Qvalue |        |        |    |
| 3) Chloromethane              | 1.307  | 50  | 428    | 0.349  | ug/l # | 85 |
| 16) Acetone                   | 2.386  | 43  | 1213   | 1.780  | ug/l   | 97 |
| 20) Methylene Chloride        | 2.794  | 84  | 1010   | 0.663  | ug/l # | 74 |
| 31) Cyclohexane               | 5.556  | 56  | 2156   | 1.101  | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 5.550  | 75  | 8874   | 4.751  | ug/l # | 51 |
| 38) Carbon Tetrachloride      | 5.556  | 117 | 12545  | 6.183  | ug/l # | 16 |
| 44) Trichloroethene           | 7.135  | 130 | 329    | 0.217  | ug/l   | 78 |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43  | 817    | 0.444  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 37243  | 25.454 | ug/l # | 39 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 37243  | 71.094 | ug/l # | 5  |

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

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Sample : 04276-02  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Sep 06 02:56:00 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

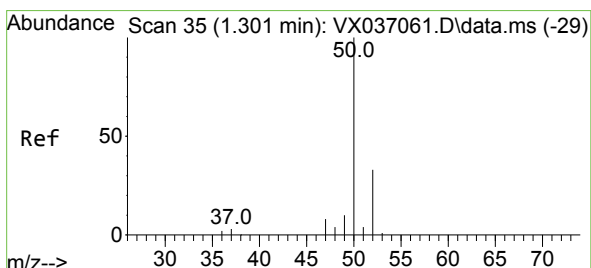
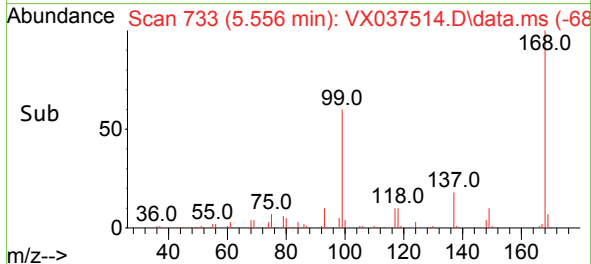
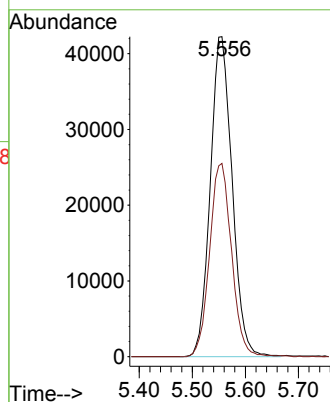
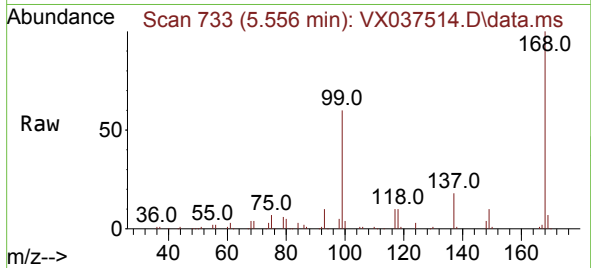




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

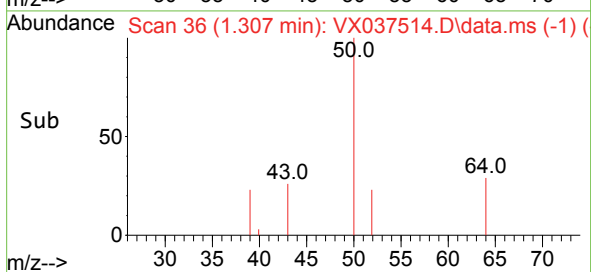
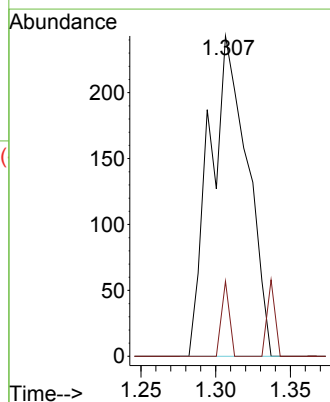
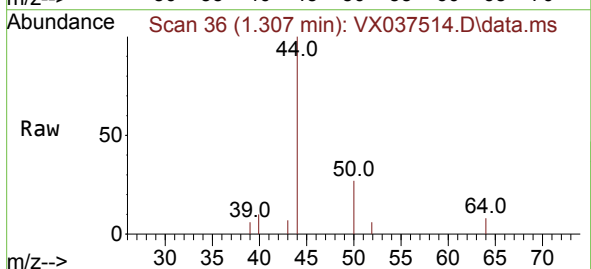
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:168 Resp: 120847  
Ion Ratio Lower Upper  
168 100  
99 60.4 56.6 85.0



#3  
Chloromethane  
Concen: 0.349 ug/l  
RT: 1.307 min Scan# 36  
Delta R.T. 0.006 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

Tgt Ion: 50 Resp: 428  
Ion Ratio Lower Upper  
50 100  
52 23.5 25.5 38.3#





#16

Acetone

Concen: 1.780 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037514.D

Acq: 05 Sep 2023 15:58

Instrument :

MSVOA\_X

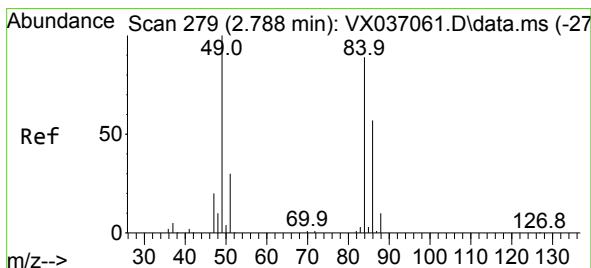
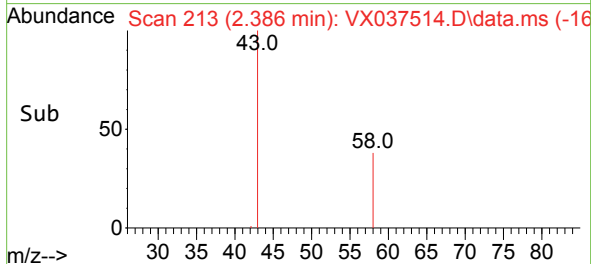
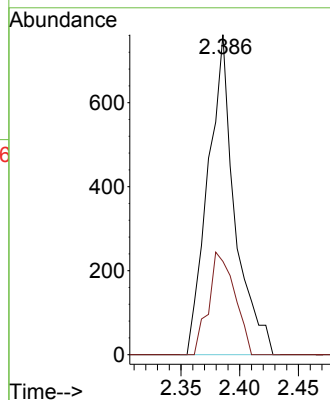
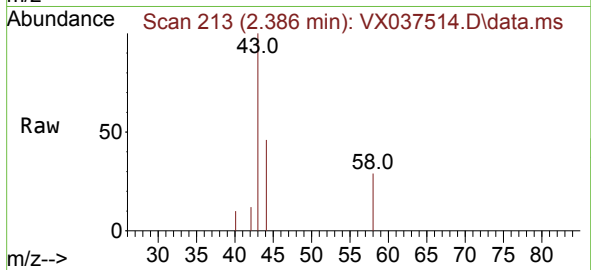
ClientSampleId :

Tgt Ion: 43 Resp: 1213

Ion Ratio Lower Upper

43 100

58 29.1 21.9 32.9



#20

Methylene Chloride

Concen: 0.663 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037514.D

Acq: 05 Sep 2023 15:58

Tgt Ion: 84 Resp: 1010

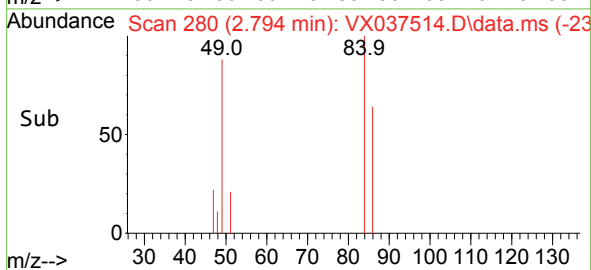
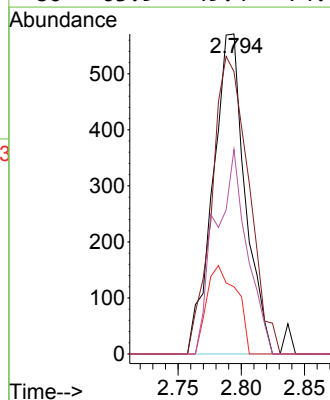
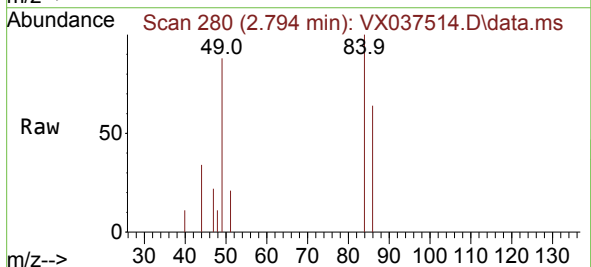
Ion Ratio Lower Upper

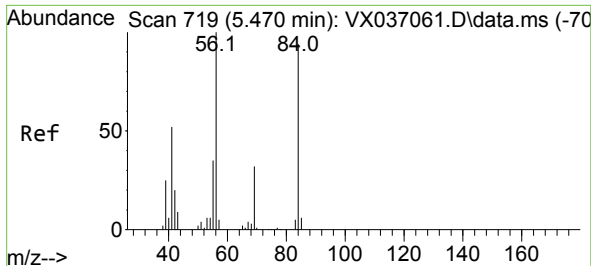
84 100

49 88.3 103.6 155.4#

51 21.0 33.8 50.6#

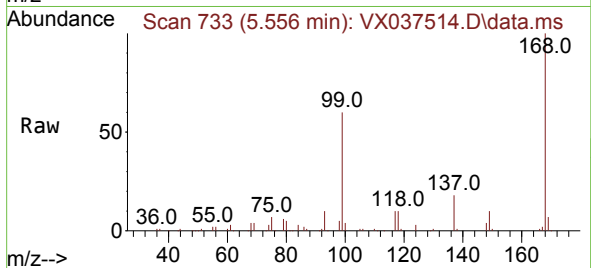
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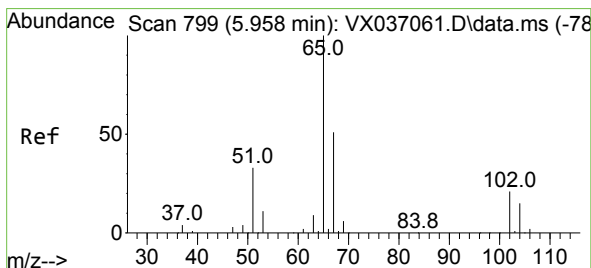
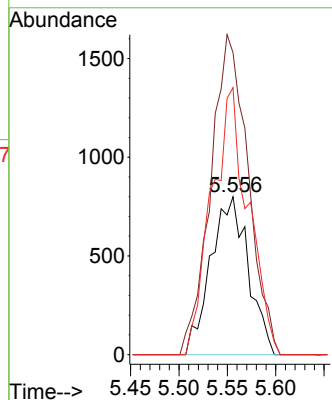
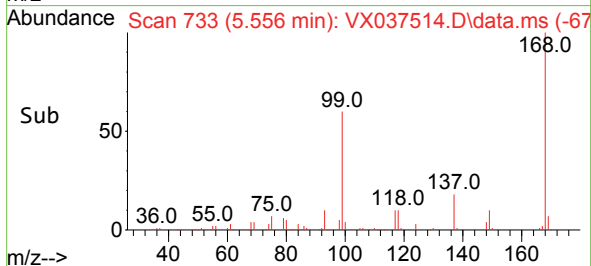


#31  
Cyclohexane  
Concen: 1.101 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

Instrument :  
MSVOA\_X  
ClientSampleId :

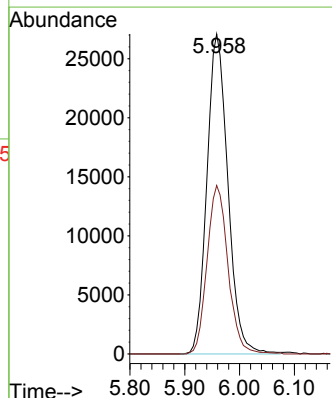
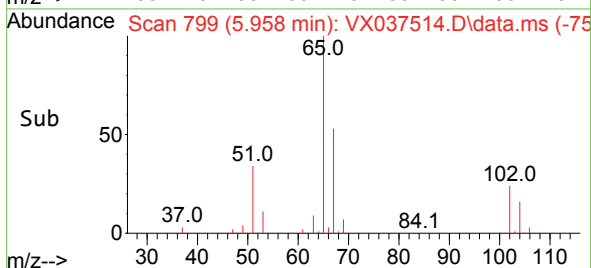
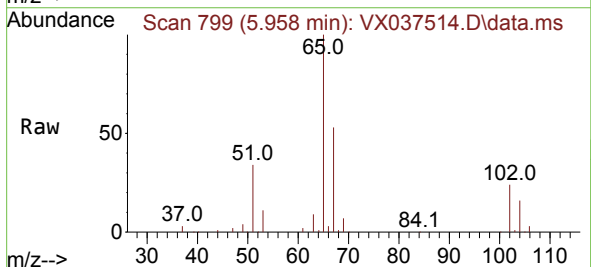


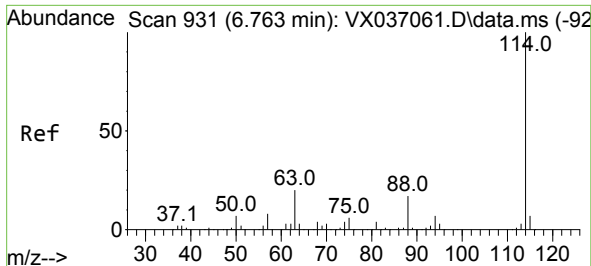
Tgt Ion: 56 Resp: 2156  
Ion Ratio Lower Upper  
56 100  
69 191.2 23.4 35.2#  
84 169.1 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 41.261 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

Tgt Ion: 65 Resp: 71886  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 100.2

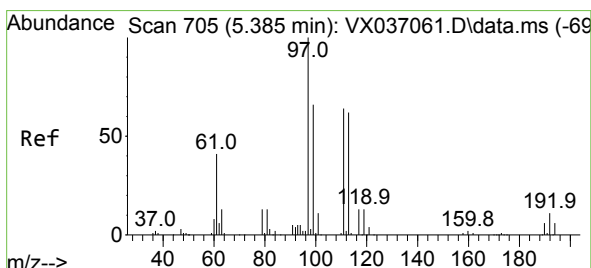
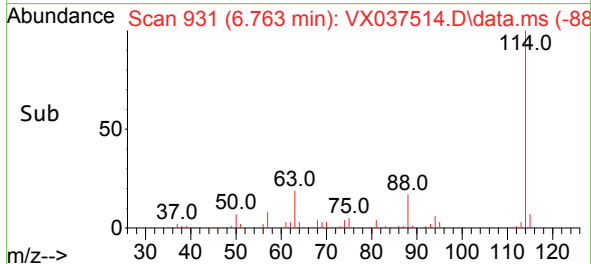
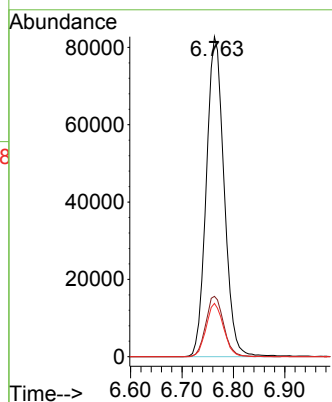
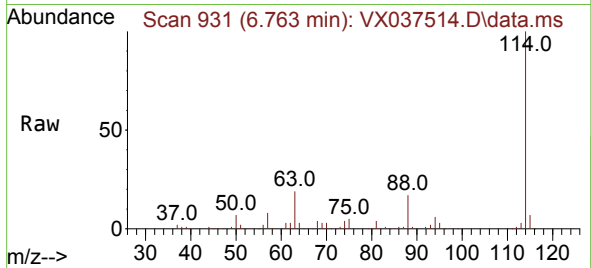




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

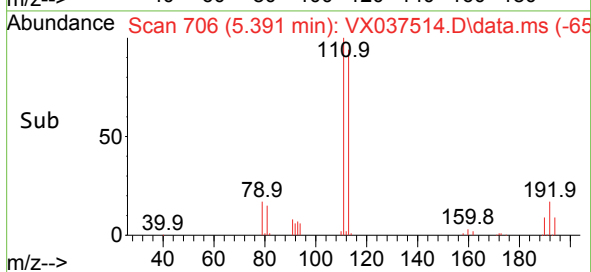
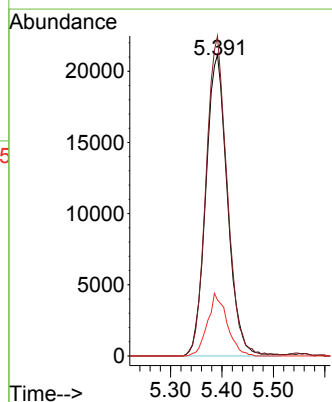
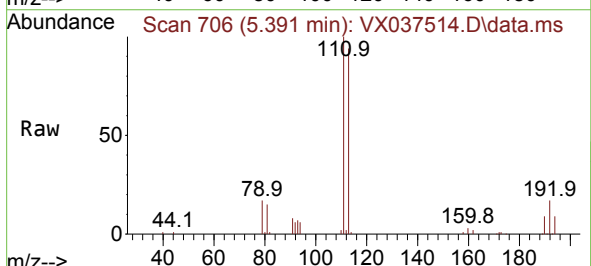
Instrument :  
MSVOA\_X  
ClientSampleId :

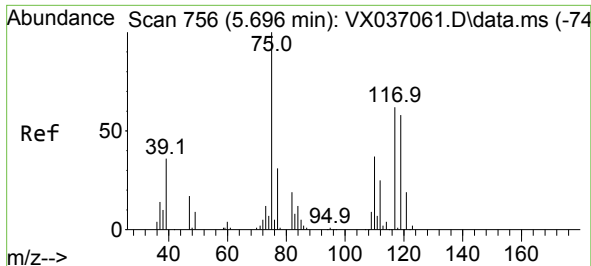
Tgt Ion:114 Resp: 198496  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 45.0  
88 16.7 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.983 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

Tgt Ion:113 Resp: 61763  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.9 124.3  
192 18.9 13.3 19.9

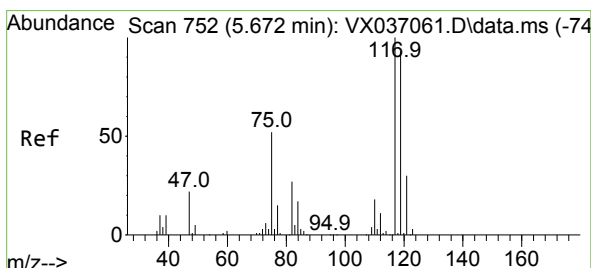
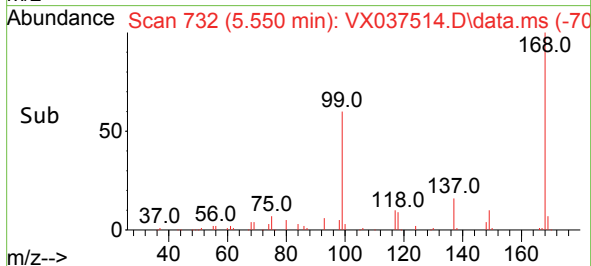
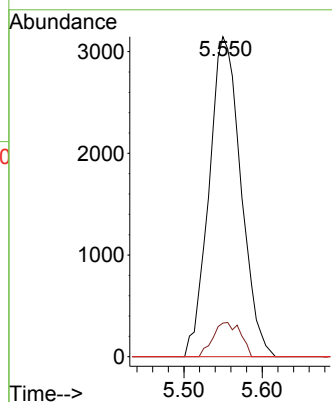
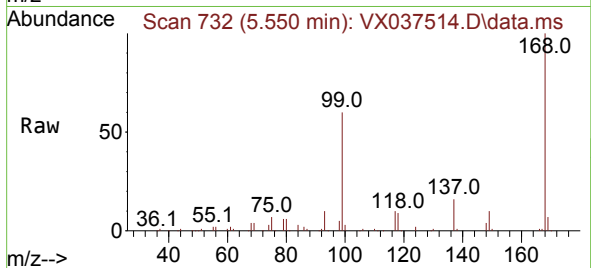




#36  
1,1-Dichloropropene  
Concen: 4.751 ug/l  
RT: 5.550 min Scan# 713  
Delta R.T. -0.146 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

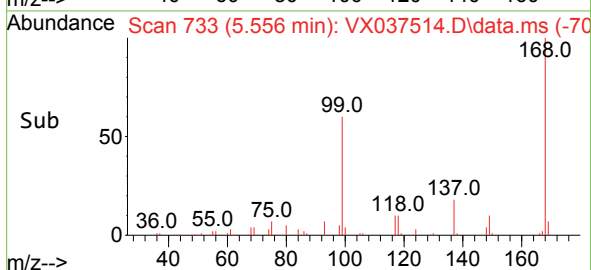
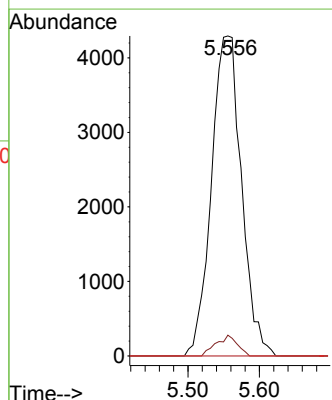
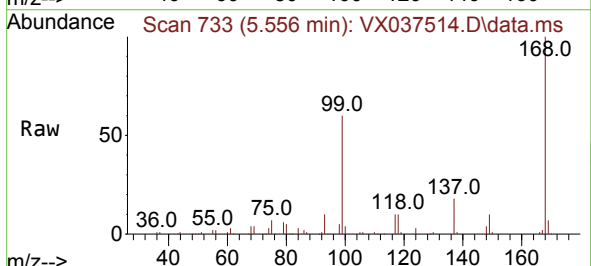
Instrument :  
MSVOA\_X  
ClientSampleId :

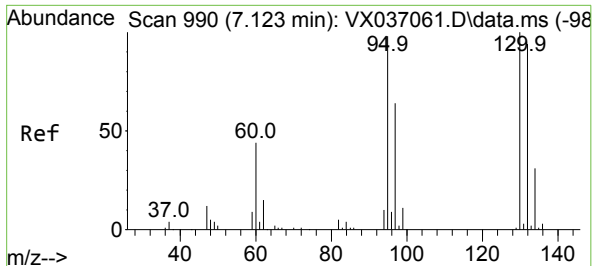
Tgt Ion: 75 Resp: 8874  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.183 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.116 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

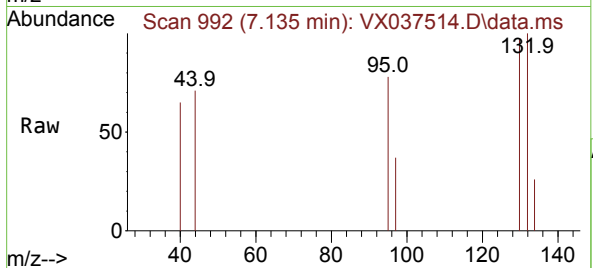
Tgt Ion: 117 Resp: 12545  
Ion Ratio Lower Upper  
117 100  
119 6.5 78.2 117.2#  
121 0.0 24.4 36.6#



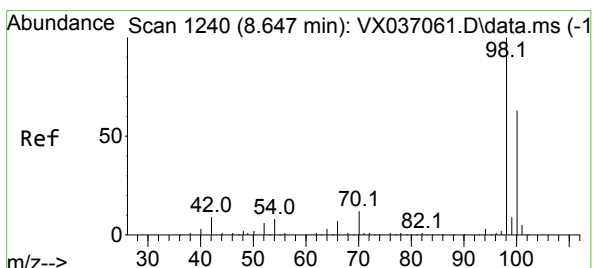
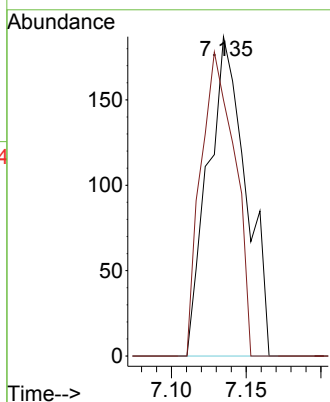
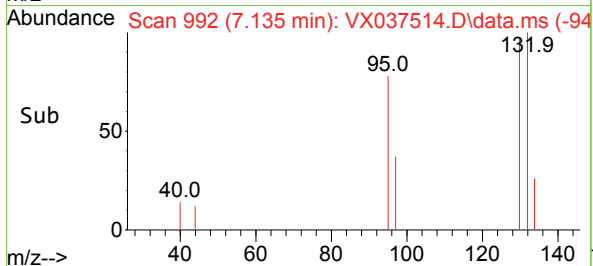


#44  
Trichloroethene  
Concen: 0.217 ug/l  
RT: 7.135 min Scan# 990  
Delta R.T. 0.012 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

Instrument :  
MSVOA\_X  
ClientSampleId :

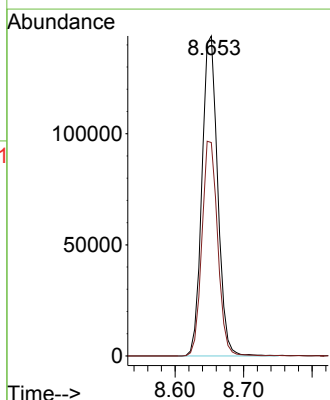
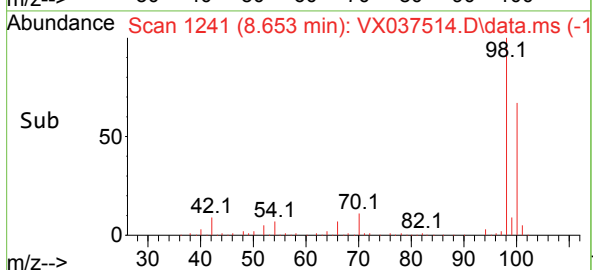
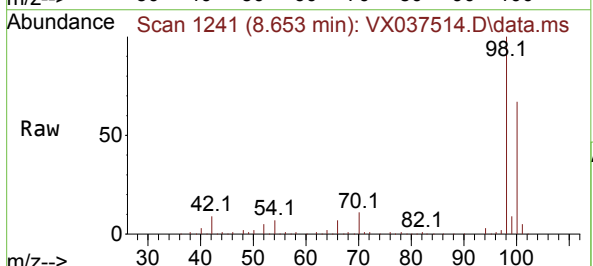


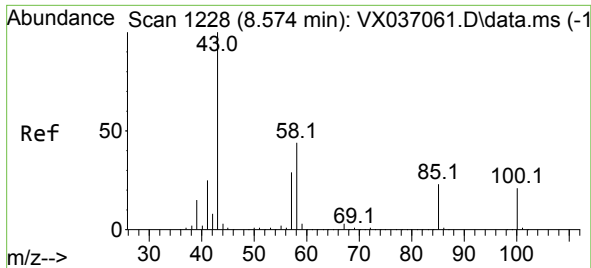
Tgt Ion:130 Resp: 329  
Ion Ratio Lower Upper  
130 100  
95 80.2 0.0 204.4



#50  
Toluene-d8  
Concen: 48.265 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

Tgt Ion: 98 Resp: 230154  
Ion Ratio Lower Upper  
98 100  
100 67.2 53.1 79.7

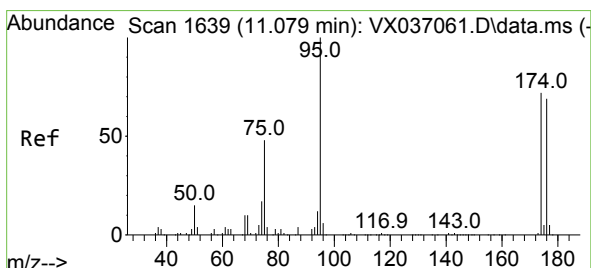
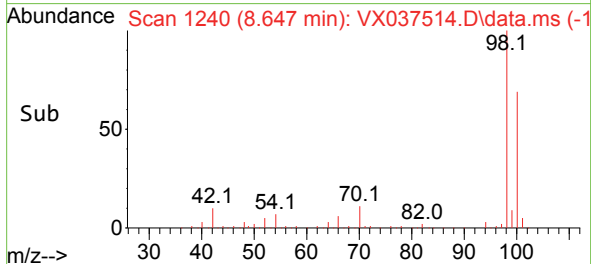
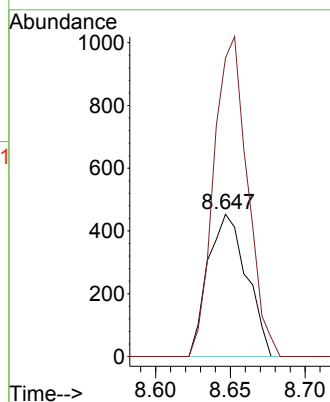
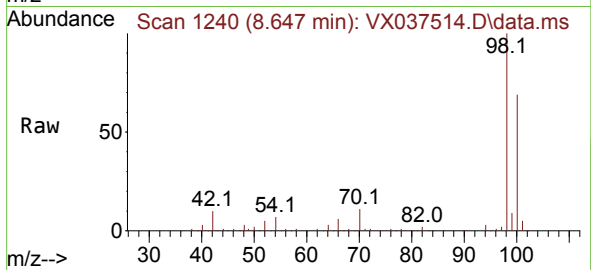




#51  
4-Methyl-2-Pentanone  
Concen: 0.444 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

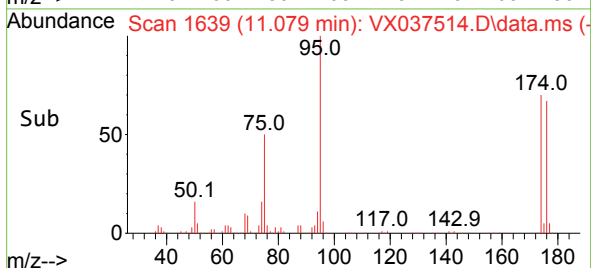
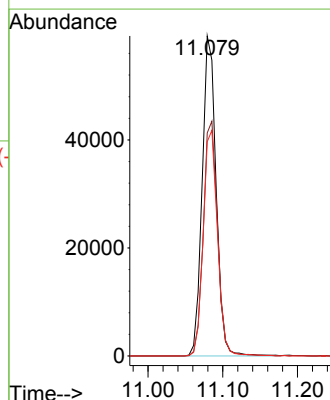
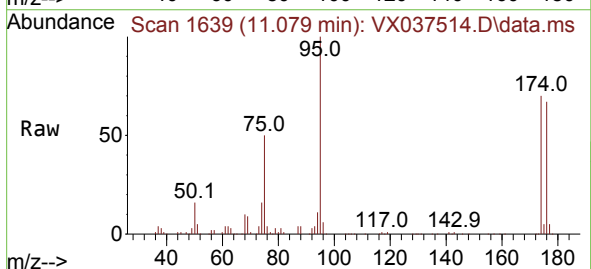
Instrument :  
MSVOA\_X  
ClientSampleId :

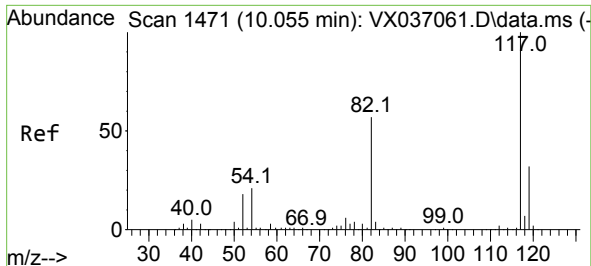
Tgt Ion: 43 Resp: 817  
Ion Ratio Lower Upper  
43 100  
58 195.2 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 40.929 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

Tgt Ion: 95 Resp: 76700  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 135.6  
176 72.0 0.0 131.0

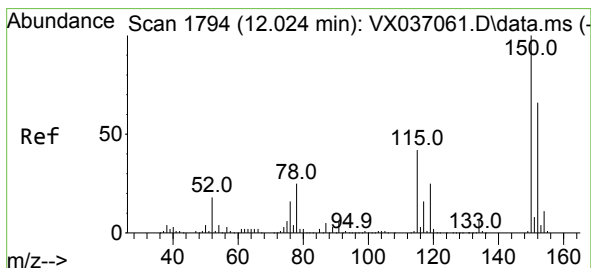
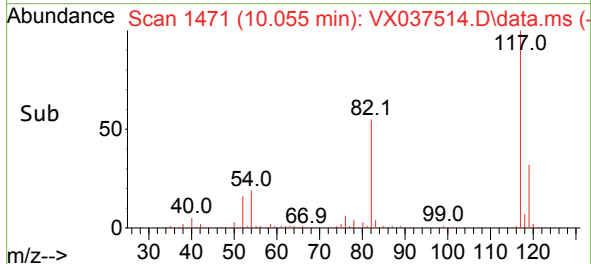
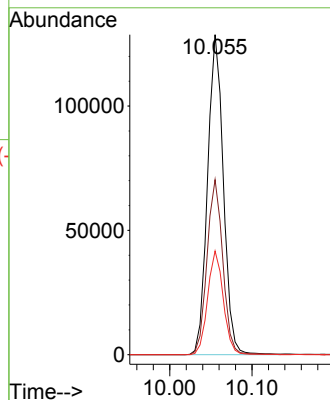
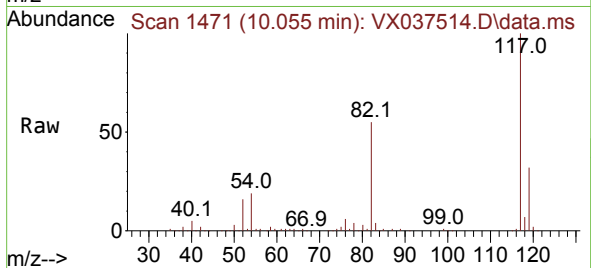




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

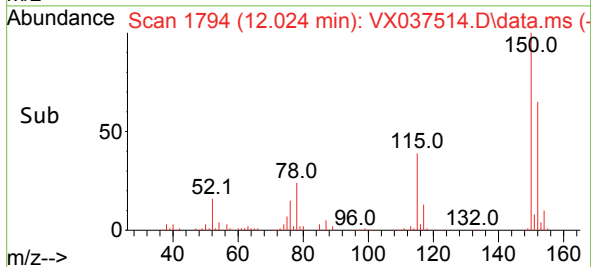
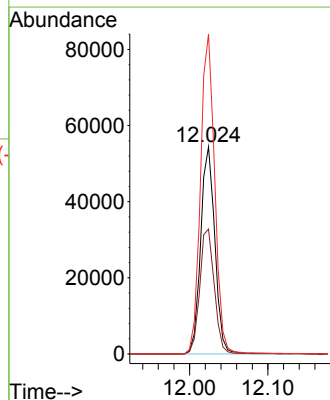
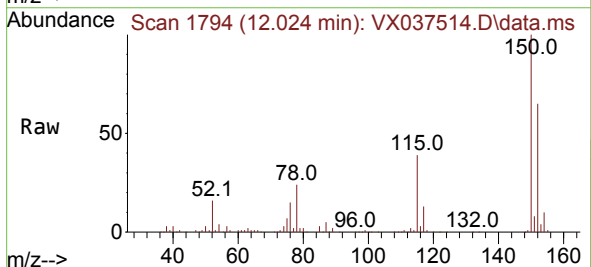
Instrument :  
MSVOA\_X  
ClientSampleId :

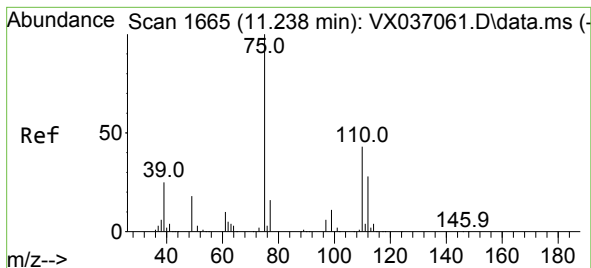
Tgt Ion:117 Resp: 171819  
Ion Ratio Lower Upper  
117 100  
82 54.7 46.2 69.4  
119 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX037514.D  
Acq: 05 Sep 2023 15:58

Tgt Ion:152 Resp: 68703  
Ion Ratio Lower Upper  
152 100  
115 62.0 43.3 129.9  
150 155.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.454 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037514.D

Acq: 05 Sep 2023 15:58

Instrument :

MSVOA\_X

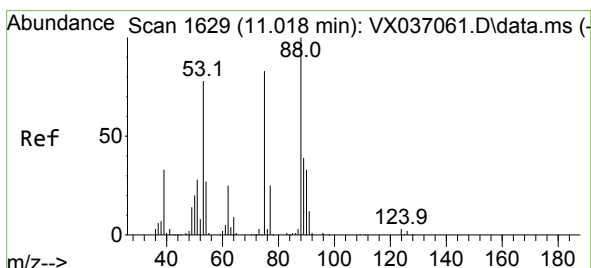
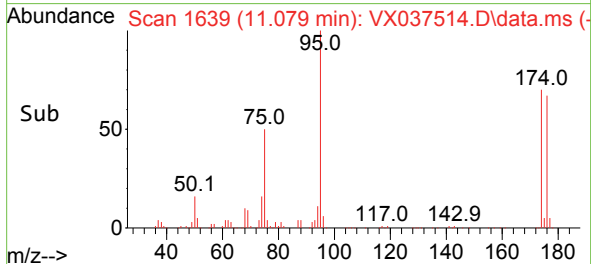
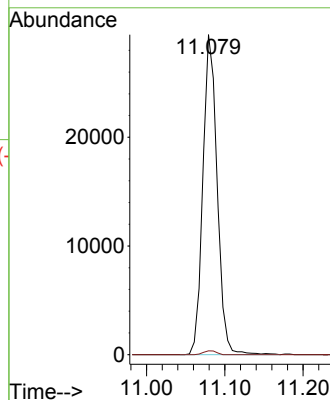
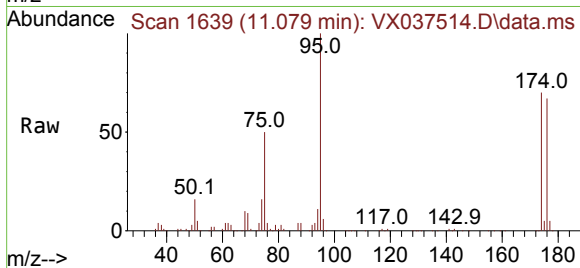
ClientSampleId :

Tgt Ion: 75 Resp: 37243

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.094 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037514.D

Acq: 05 Sep 2023 15:58

Tgt Ion: 75 Resp: 37243

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

