

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111823\  
 Data File : VX038933.D  
 Acq On : 18 Nov 2023 17:04  
 Operator : JC/MD  
 Sample : 05404-32  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 20 04:37:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

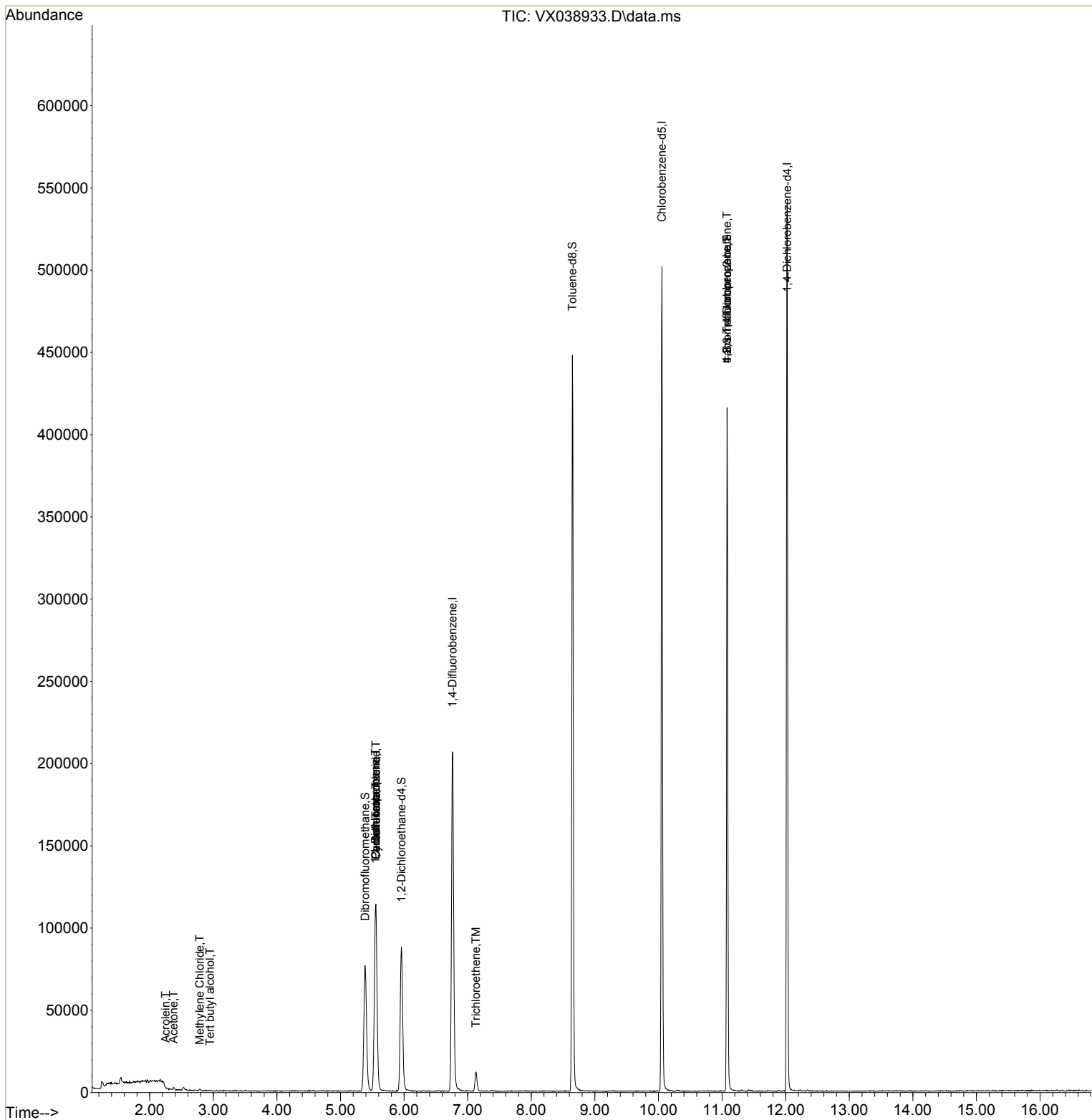
| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 103018   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 210063   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 217601   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 108674   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 81348    | 49.006   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 98.020%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 67962    | 44.797   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 89.600%  |
| 50) Toluene-d8              | 8.647  | 98    | 265594   | 45.756   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 91.520%# |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 114830   | 49.419   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 98.840%  |

| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 11) Tert butyl alcohol        | 2.947  | 59  | 249   | 0.539  | ug/l # | 58 |
| 13) Acrolein                  | 2.252  | 56  | 135   | 0.553  | ug/l # | 14 |
| 16) Acetone                   | 2.373  | 43  | 1237  | 1.400  | ug/l   | 90 |
| 20) Methylene Chloride        | 2.788  | 84  | 427   | 0.268  | ug/l # | 83 |
| 31) Cyclohexane               | 5.556  | 56  | 3056  | 1.289  | ug/l # | 48 |
| 36) 1,1-Dichloropropene       | 5.550  | 75  | 9671  | 4.448  | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 5.556  | 117 | 11789 | 5.866  | ug/l # | 15 |
| 44) Trichloroethene           | 7.129  | 130 | 4582  | 2.927  | ug/l   | 97 |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 61225 | 22.581 | ug/l # | 39 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 61225 | 50.086 | ug/l # | 5  |

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

Quant Time: Nov 20 04:37:28 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

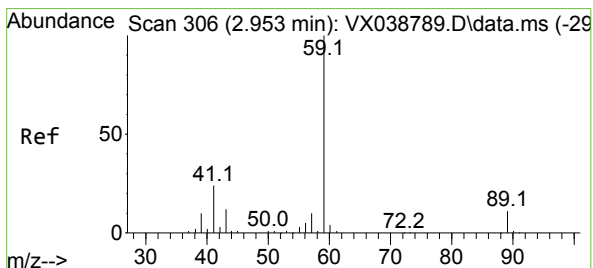
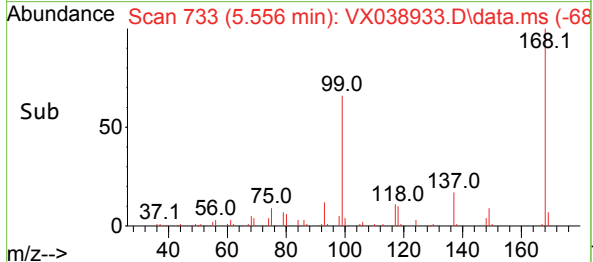
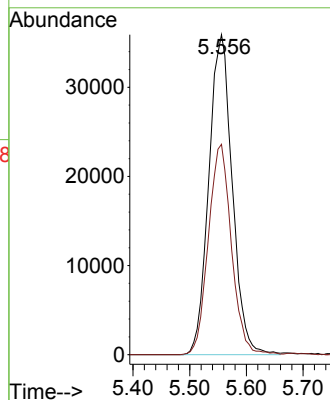
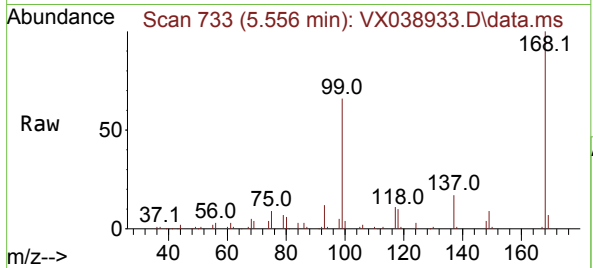




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

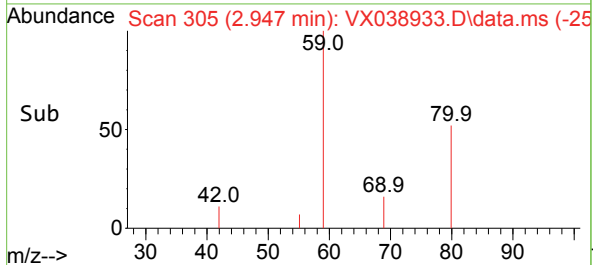
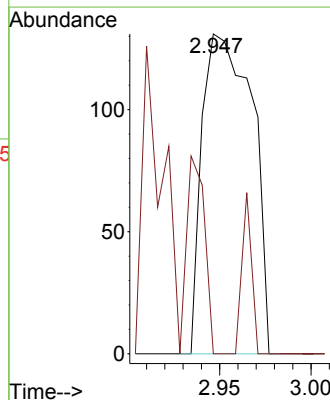
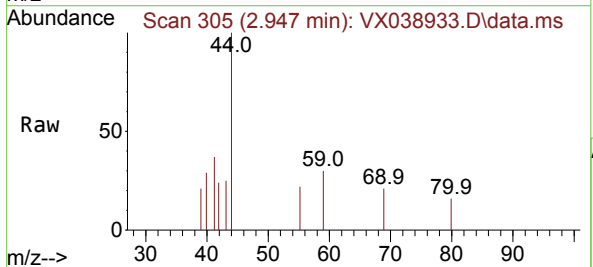
Instrument :  
MSVOA\_X  
ClientSampleId :

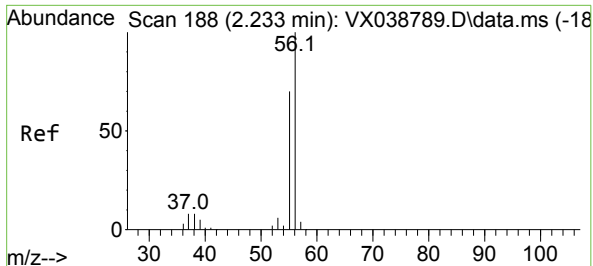
Tgt Ion:168 Resp: 103018  
Ion Ratio Lower Upper  
168 100  
99 65.8 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 0.539 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.006 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

Tgt Ion: 59 Resp: 249  
Ion Ratio Lower Upper  
59 100  
57 22.1 6.0 9.0#

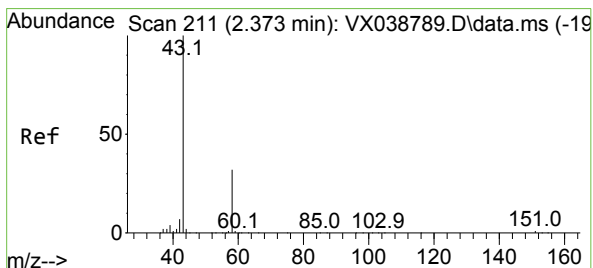
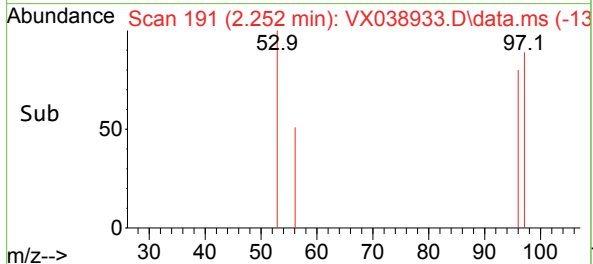
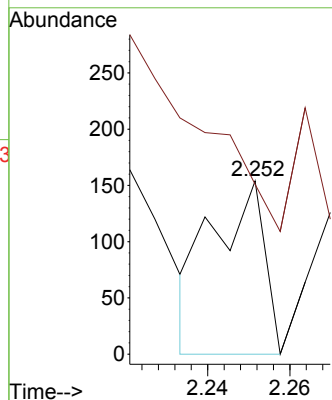
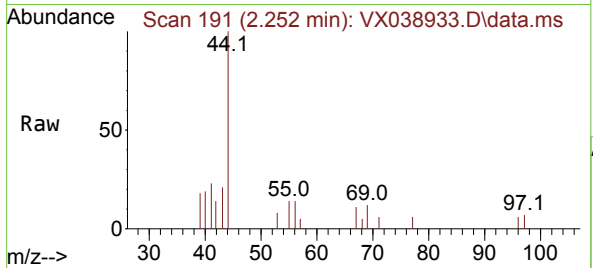




#13  
Acrolein  
Concen: 0.553 ug/l  
RT: 2.252 min Scan# 191  
Delta R.T. 0.018 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

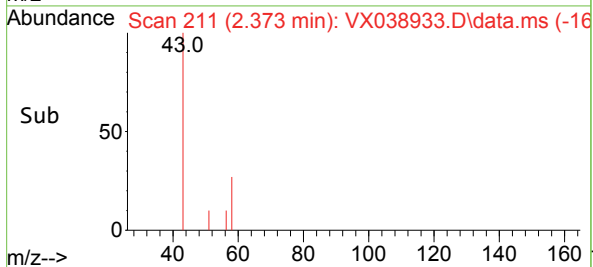
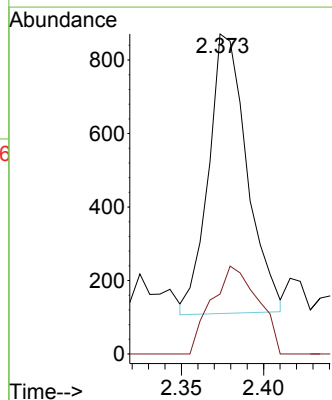
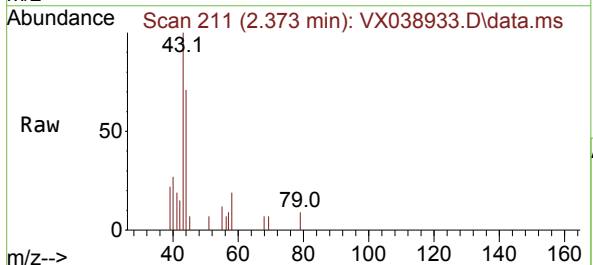
Instrument :  
MSVOA\_X  
ClientSampleId :

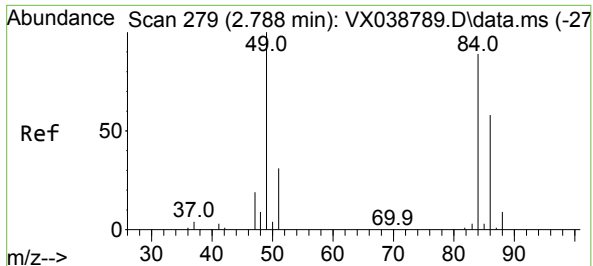
Tgt Ion: 56 Resp: 135  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#



#16  
Acetone  
Concen: 1.400 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

Tgt Ion: 43 Resp: 1237  
Ion Ratio Lower Upper  
43 100  
58 22.2 21.9 32.9





#20

Methylene Chloride

Concen: 0.268 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX038933.D

Acq: 18 Nov 2023 17:04

Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion: 84 Resp: 427

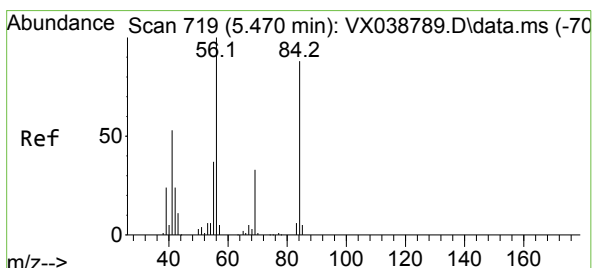
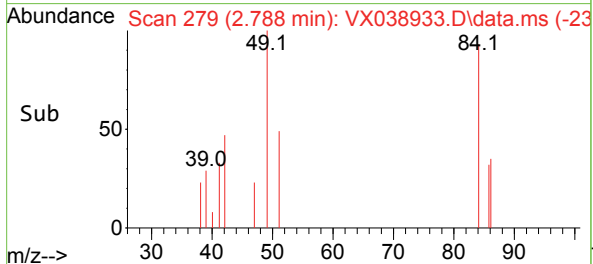
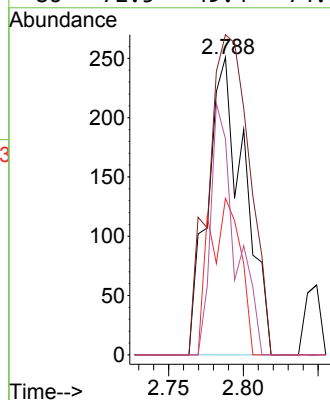
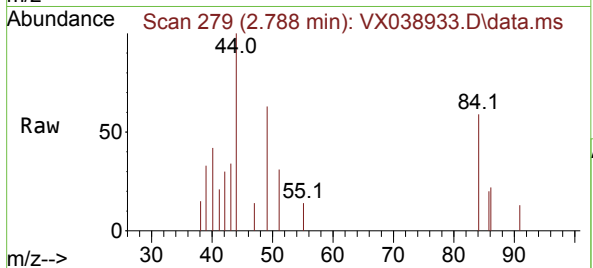
Ion Ratio Lower Upper

84 100

49 107.6 103.6 155.4

51 52.6 33.8 50.6#

86 72.5 49.4 74.0



#31

Cyclohexane

Concen: 1.289 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038933.D

Acq: 18 Nov 2023 17:04

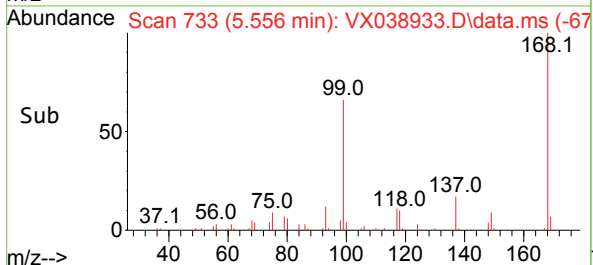
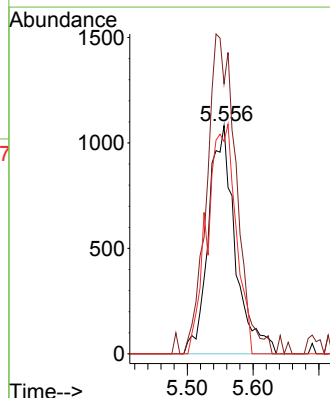
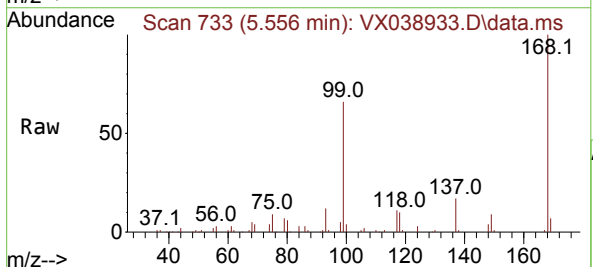
Tgt Ion: 56 Resp: 3056

Ion Ratio Lower Upper

56 100

69 118.4 23.4 35.2#

84 93.2 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 49.006 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038933.D

Acq: 18 Nov 2023 17:04

Instrument :

MSVOA\_X

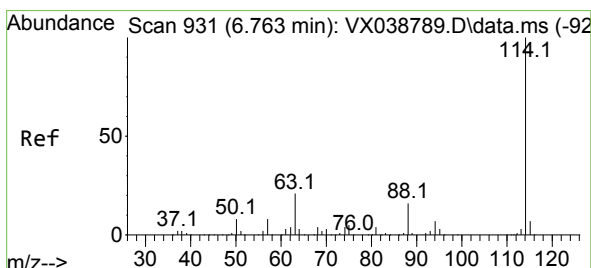
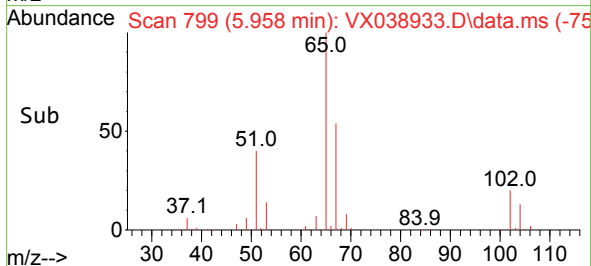
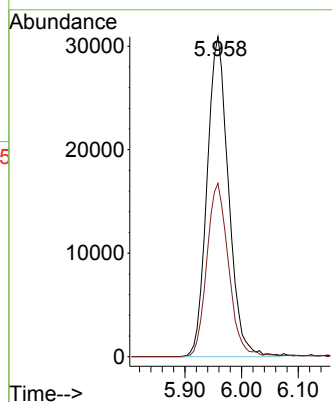
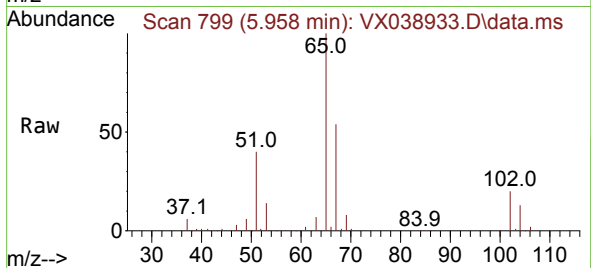
ClientSampleId :

Tgt Ion: 65 Resp: 81348

Ion Ratio Lower Upper

65 100

67 54.9 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: VX038933.D

Acq: 18 Nov 2023 17:04

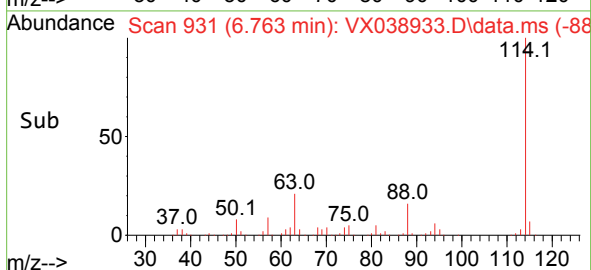
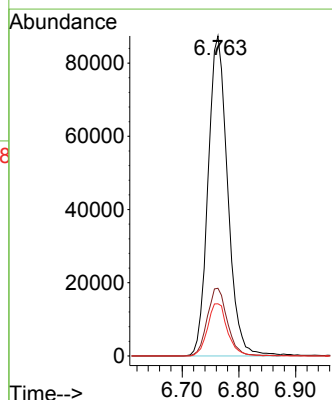
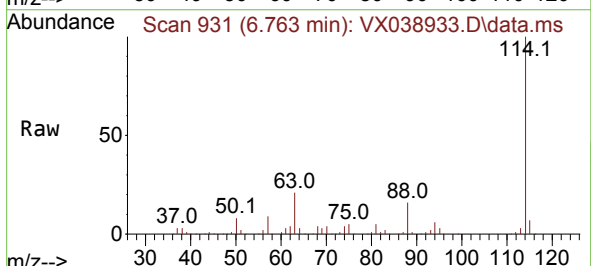
Tgt Ion:114 Resp: 210063

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

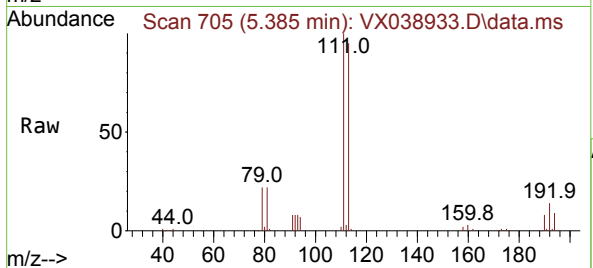
88 16.3 0.0 36.6



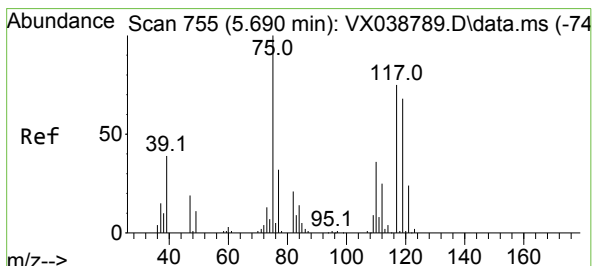
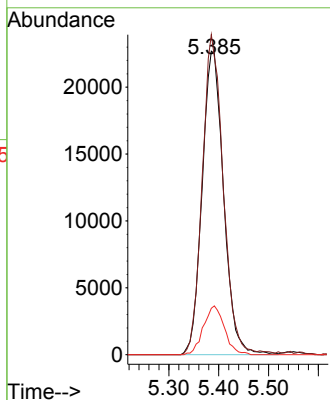
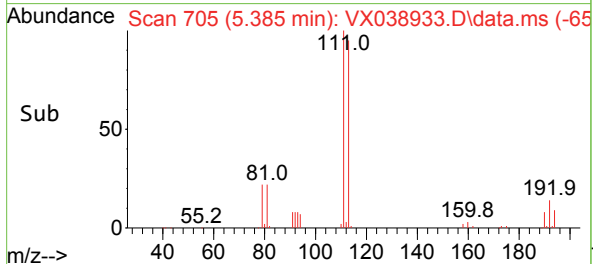


#35  
Dibromofluoromethane  
Concen: 44.797 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

Instrument :  
MSVOA\_X  
ClientSampleId :

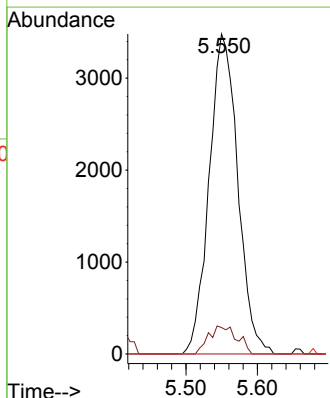
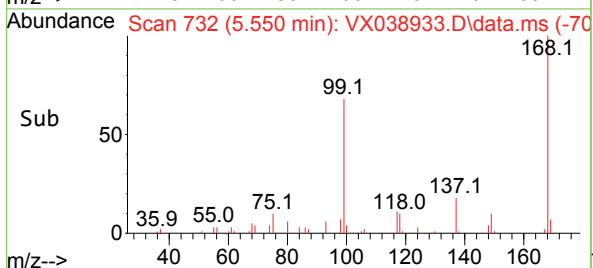
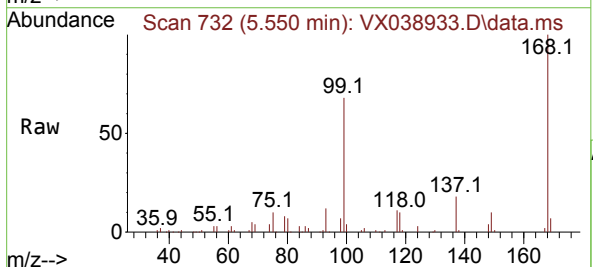


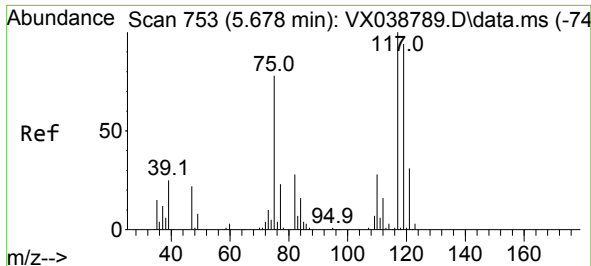
Tgt Ion:113 Resp: 67962  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.9 124.3  
192 15.7 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.448 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

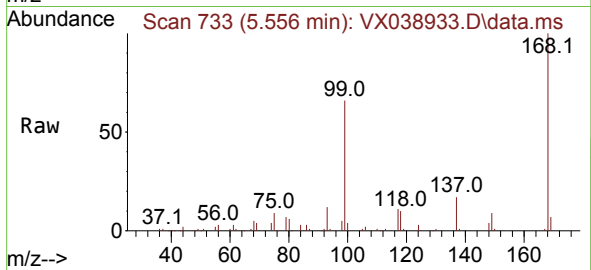
Tgt Ion: 75 Resp: 9671  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.0 50.9#  
77 0.0 24.7 37.1#



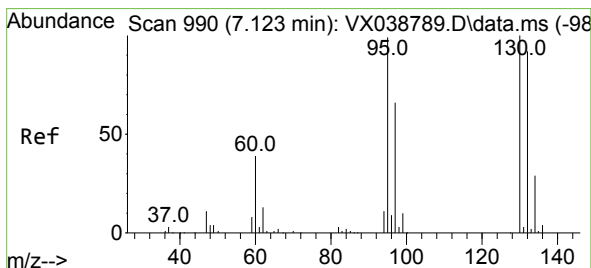
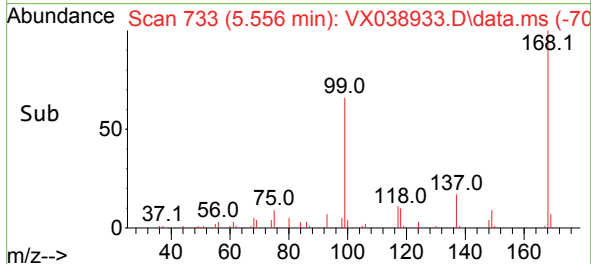
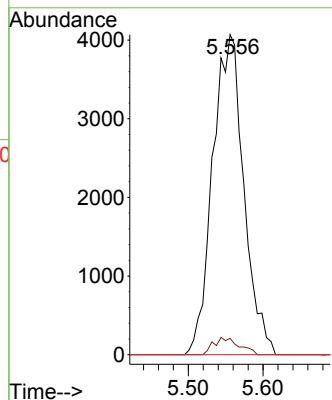


#38  
Carbon Tetrachloride  
Concen: 5.866 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.122 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

Instrument :  
MSVOA\_X  
ClientSampleId :

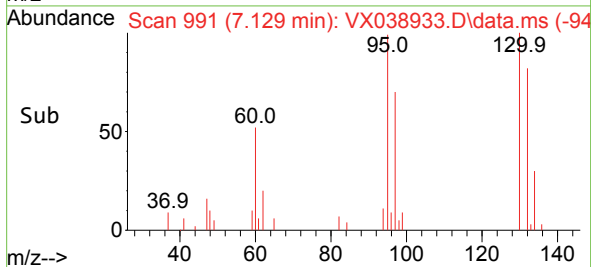
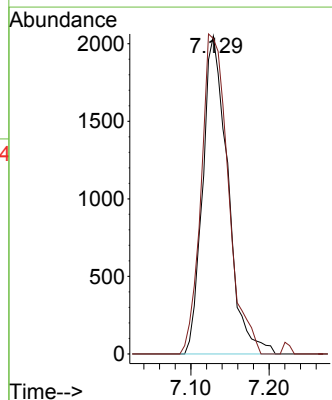
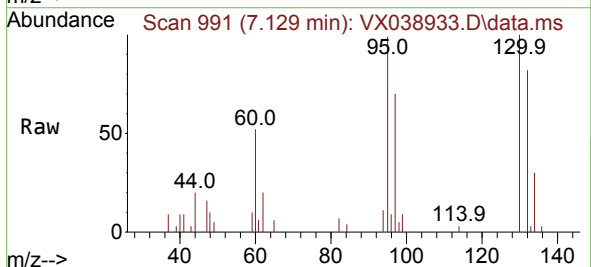


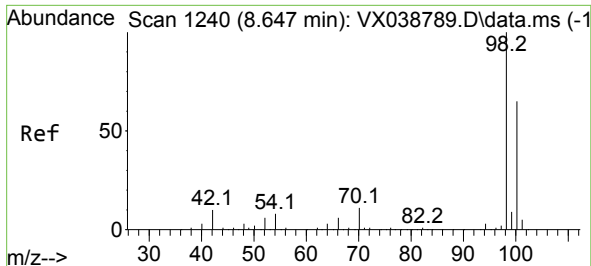
Tgt Ion:117 Resp: 11789  
Ion Ratio Lower Upper  
117 100  
119 5.1 78.2 117.2#  
121 0.0 24.4 36.6#



#44  
Trichloroethene  
Concen: 2.927 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

Tgt Ion:130 Resp: 4582  
Ion Ratio Lower Upper  
130 100  
95 99.2 0.0 204.4

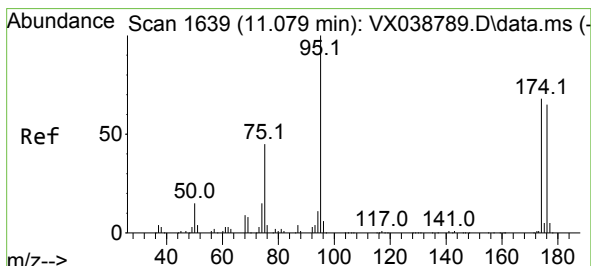
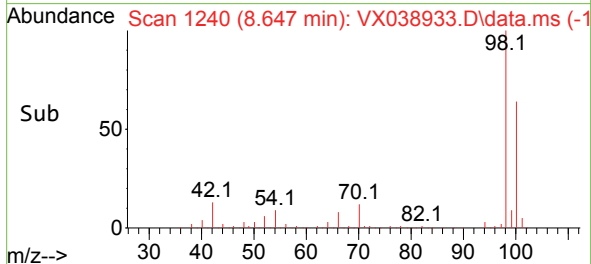
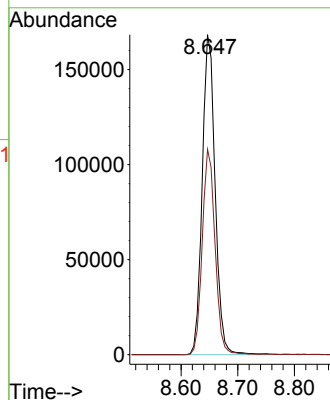
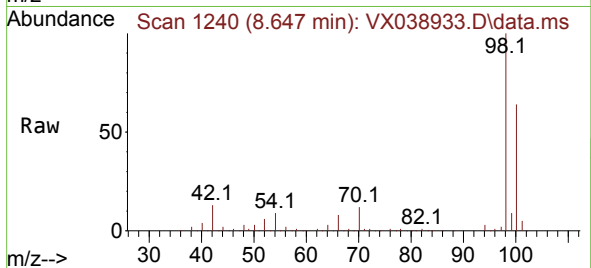




#50  
Toluene-d8  
Concen: 45.756 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

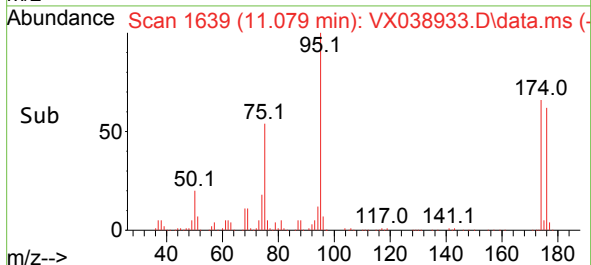
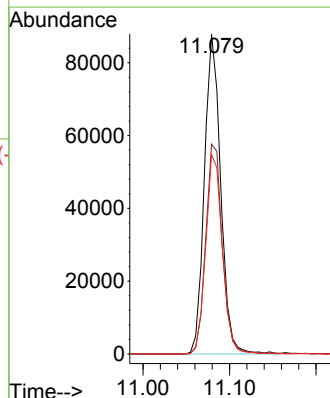
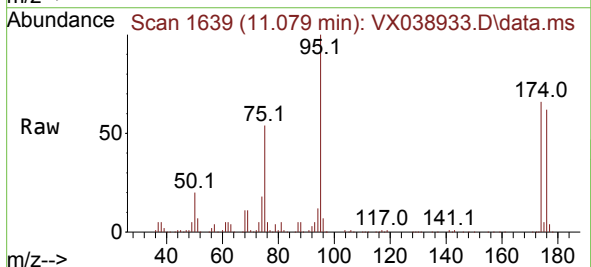
Instrument :  
MSVOA\_X  
ClientSampleId :

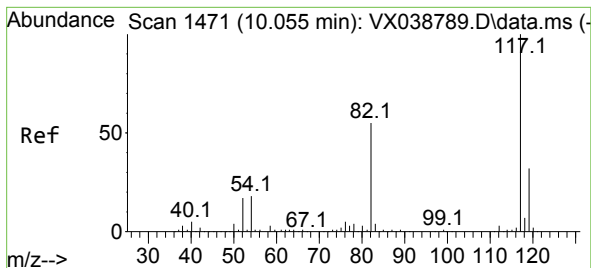
Tgt Ion: 98 Resp: 265594  
Ion Ratio Lower Upper  
98 100  
100 63.7 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 49.419 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

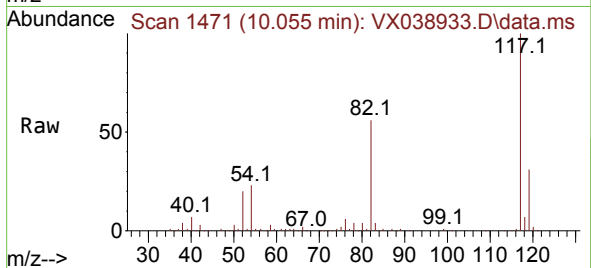
Tgt Ion: 95 Resp: 114830  
Ion Ratio Lower Upper  
95 100  
174 67.0 0.0 135.6  
176 63.6 0.0 131.0



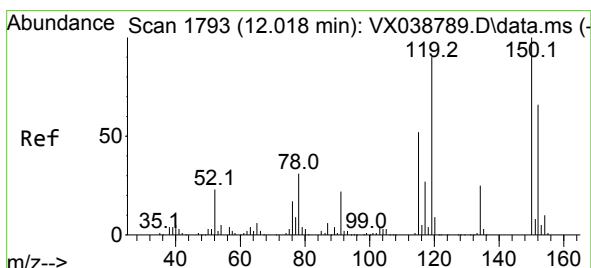
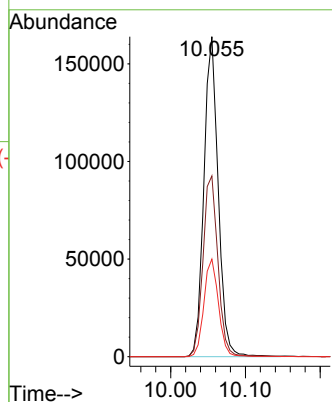
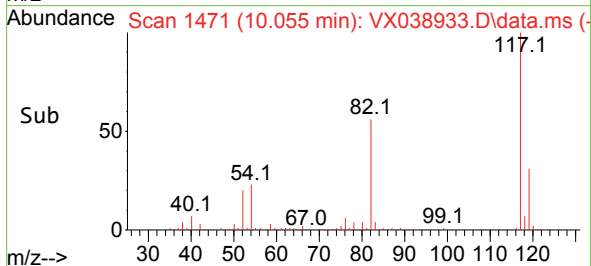


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04

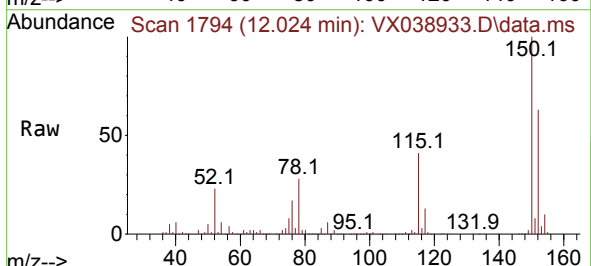
Instrument :  
MSVOA\_X  
ClientSampleId :



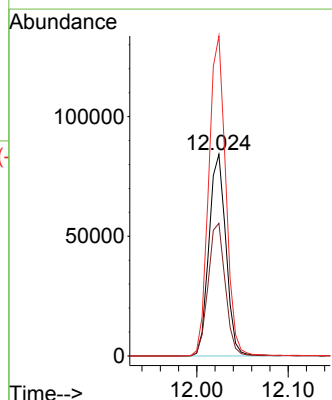
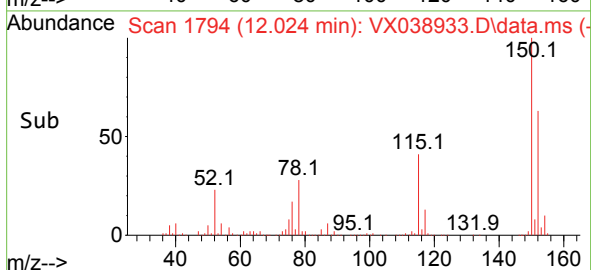
Tgt Ion:117 Resp: 217601  
Ion Ratio Lower Upper  
117 100  
82 56.5 46.2 69.4  
119 30.5 25.5 38.3

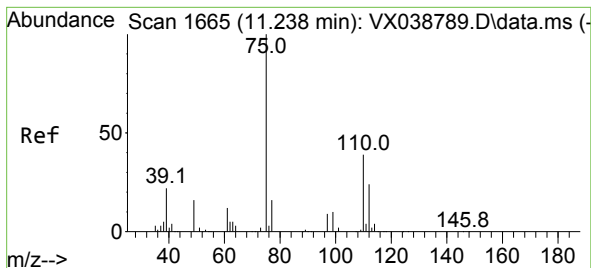


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX038933.D  
Acq: 18 Nov 2023 17:04



Tgt Ion:152 Resp: 108674  
Ion Ratio Lower Upper  
152 100  
115 66.6 43.3 129.9  
150 158.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.581 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038933.D

Acq: 18 Nov 2023 17:04

Instrument :

MSVOA\_X

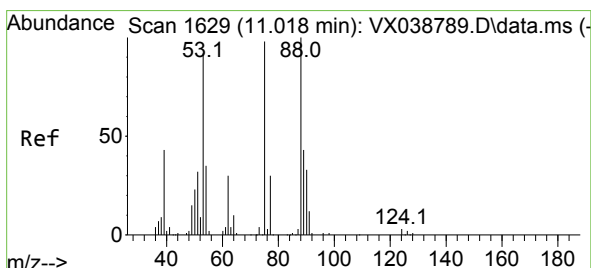
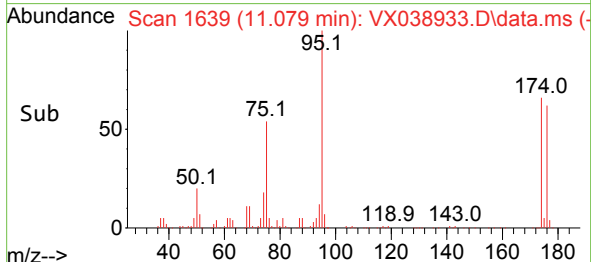
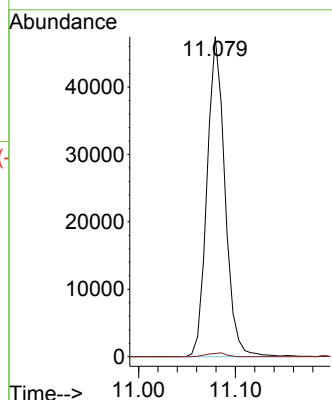
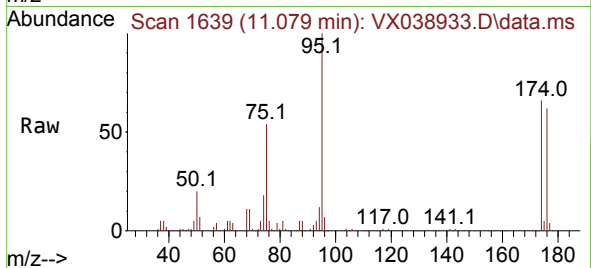
ClientSampleId :

Tgt Ion: 75 Resp: 61225

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.086 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038933.D

Acq: 18 Nov 2023 17:04

Tgt Ion: 75 Resp: 61225

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

