

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022223\  
 Data File : VX034221.D  
 Acq On : 22 Feb 2023 11:49  
 Operator : JC/MD  
 Sample : VX0222WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0222WBL02

Quant Time: Feb 23 01:27:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 Response via : Initial Calibration

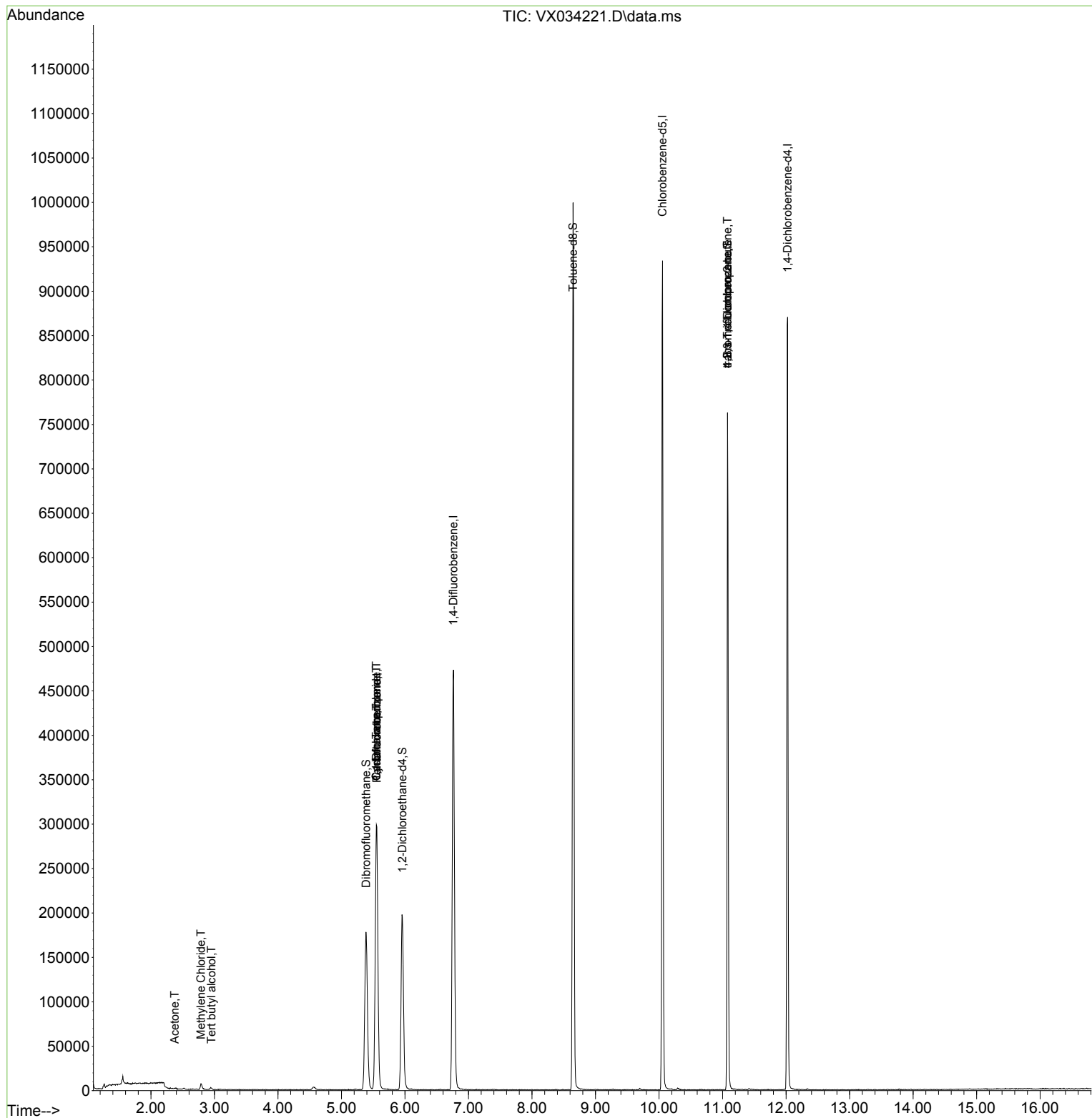
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 305567   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 502555   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 437478   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 189796   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 180821   | 43.939    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 87.880%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 156970   | 47.972    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 95.940%  |
| 50) Toluene-d8                | 8.647  | 98    | 593064   | 50.482    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 100.960% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 198363   | 44.143    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 88.280%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.587  | 94    | 39       | Below Cal |        | 84       |
| 11) Tert butyl alcohol        | 2.953  | 59    | 1028     | 1.117     | ug/l   | 100      |
| 16) Acetone                   | 2.373  | 43    | 964      | 0.454     | ug/l # | 72       |
| 20) Methylene Chloride        | 2.788  | 84    | 3094     | 0.809     | ug/l   | 95       |
| 31) Cyclohexane               | 5.550  | 56    | 6700     | 1.090     | ug/l # | 9        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 22526    | 4.655     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 28751    | 5.774     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 99723    | 20.881    | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 99723    | 53.641    | ug/l # | 8        |
| -----                         |        |       |          |           |        |          |

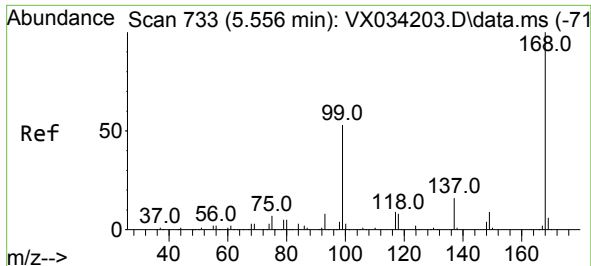
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX0222WBL02  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0222WBL02

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 17 12:33:35 2023  
Response via : Initial Calibration

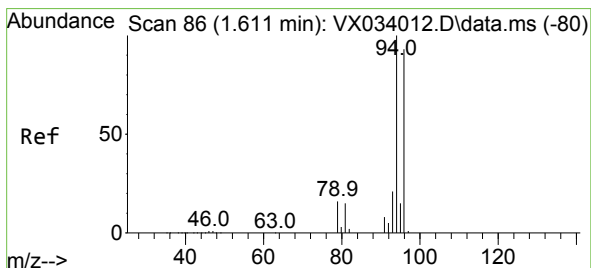
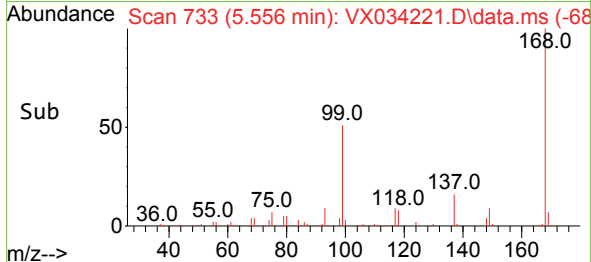
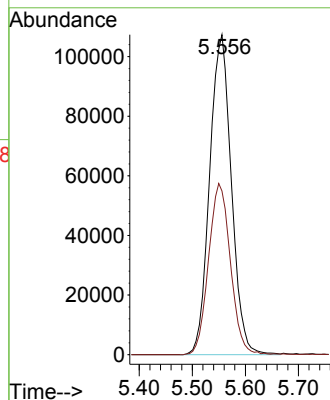
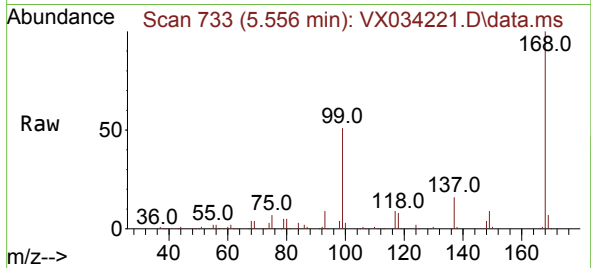




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX034221.D  
Acq: 22 Feb 2023 11:49

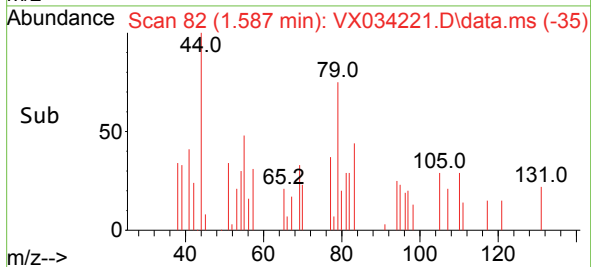
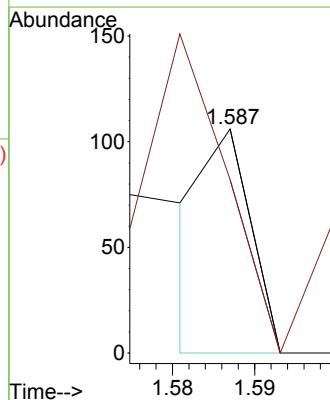
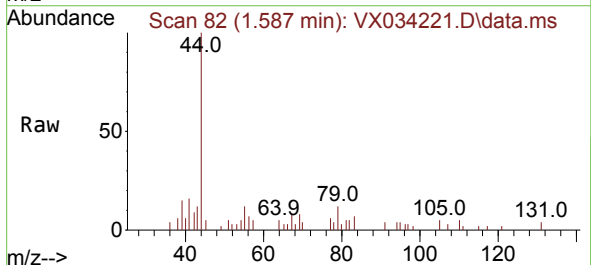
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0222WBL02

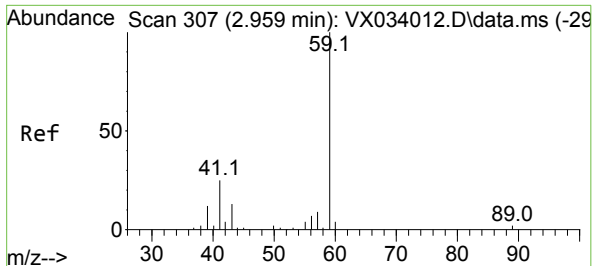
Tgt Ion:168 Resp: 305567  
Ion Ratio Lower Upper  
168 100  
99 51.1 39.6 59.4



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.587 min Scan# 82  
Delta R.T. -0.012 min  
Lab File: VX034221.D  
Acq: 22 Feb 2023 11:49

Tgt Ion: 94 Resp: 39  
Ion Ratio Lower Upper  
94 100  
96 77.4 74.3 111.5





#11

Tert butyl alcohol

Concen: 1.117 ug/l

RT: 2.953 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX034221.D

Acq: 22 Feb 2023 11:49

Instrument :

MSVOA\_X

ClientSampleId :

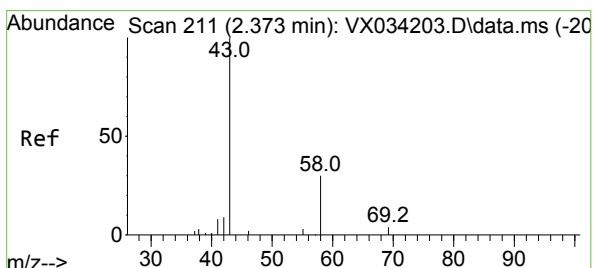
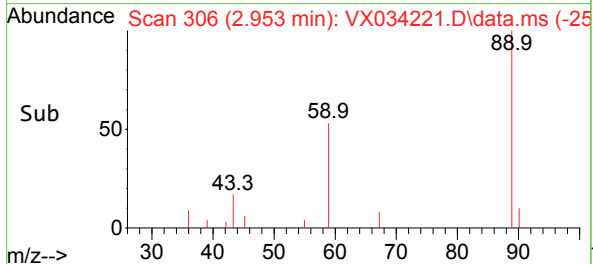
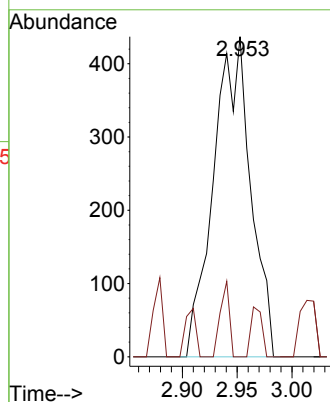
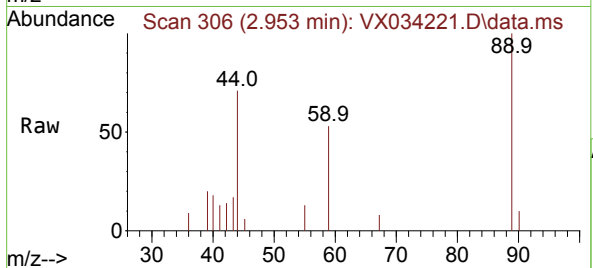
VX0222WBL02

Tgt Ion: 59 Resp: 1028

Ion Ratio Lower Upper

59 100

57 4.6 3.7 5.5



#16

Acetone

Concen: 0.454 ug/l

RT: 2.373 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX034221.D

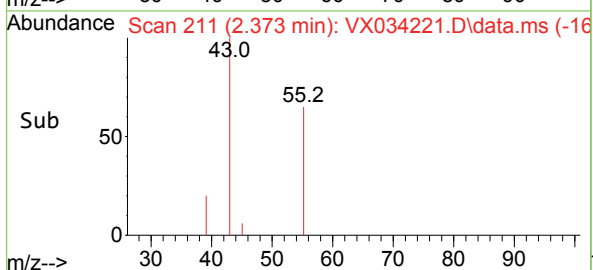
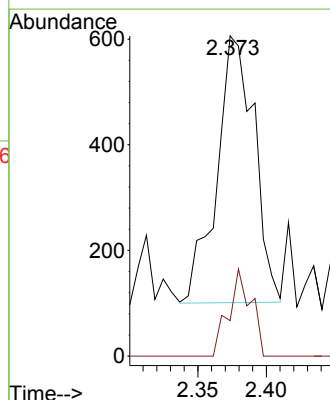
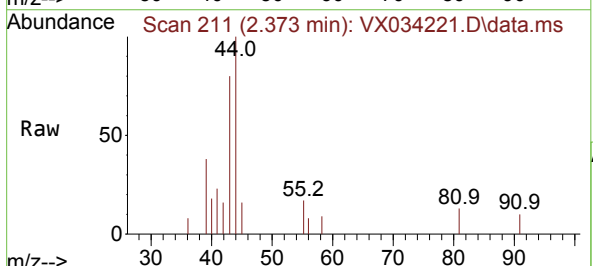
Acq: 22 Feb 2023 11:49

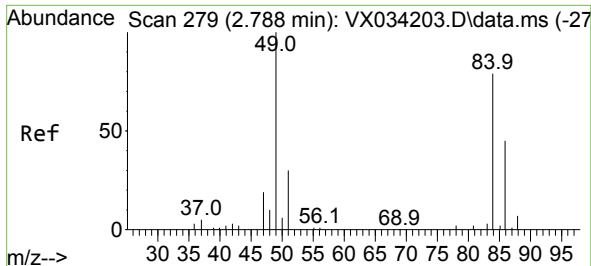
Tgt Ion: 43 Resp: 964

Ion Ratio Lower Upper

43 100

58 13.3 22.6 33.8#



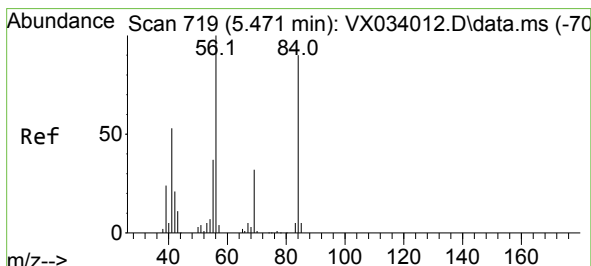
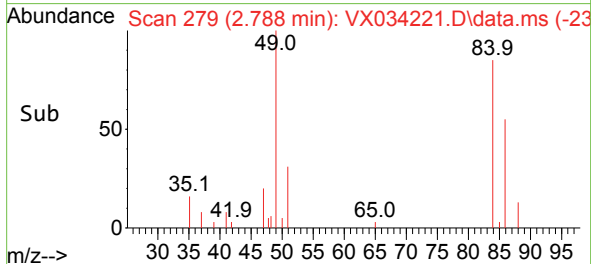
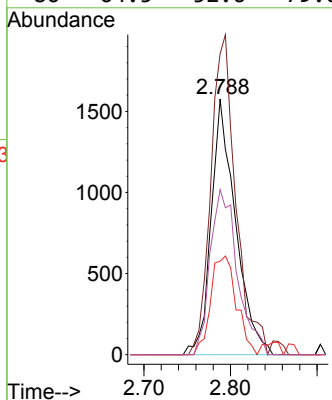
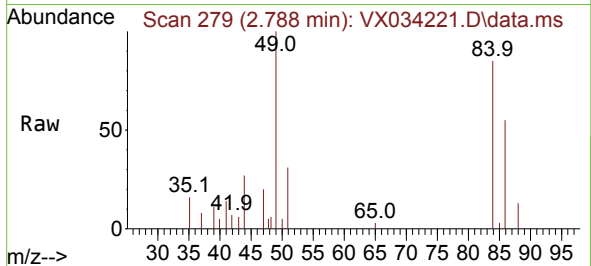


#20  
Methylene Chloride  
Concen: 0.809 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX034221.D  
Acq: 22 Feb 2023 11:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0222WBL02

Tgt Ion: 84 Resp: 3094

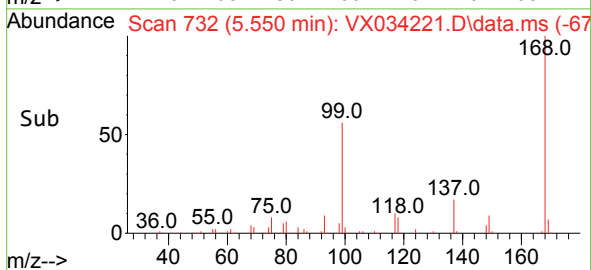
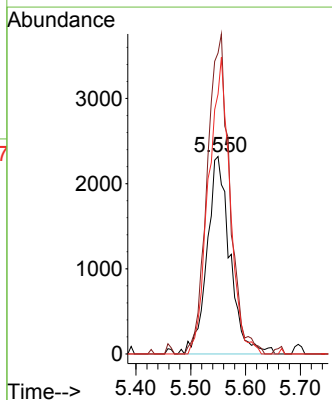
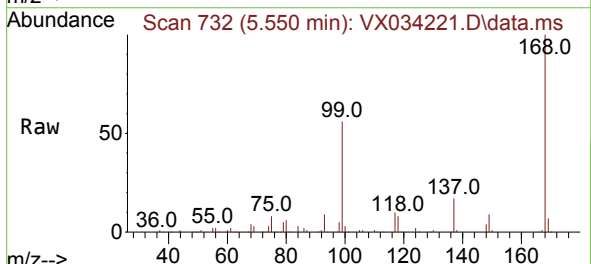
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 117.7 | 101.1 | 151.7 |
| 51  | 36.5  | 31.0  | 46.6  |
| 86  | 64.5  | 52.6  | 79.0  |

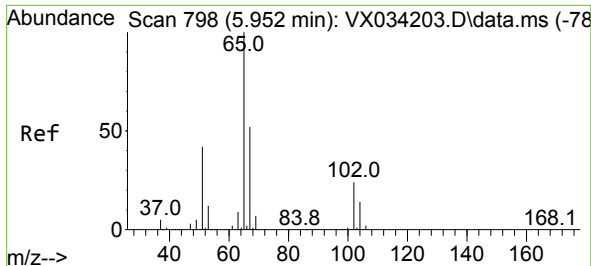


#31  
Cyclohexane  
Concen: 1.090 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX034221.D  
Acq: 22 Feb 2023 11:49

Tgt Ion: 56 Resp: 6700

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 152.4 | 24.6  | 37.0#  |
| 84  | 131.6 | 71.0  | 106.6# |





#33

1,2-Dichloroethane-d4

Concen: 43.939 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034221.D

Acq: 22 Feb 2023 11:49

Instrument :

MSVOA\_X

ClientSampleId :

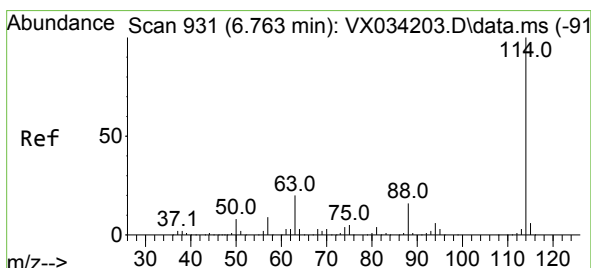
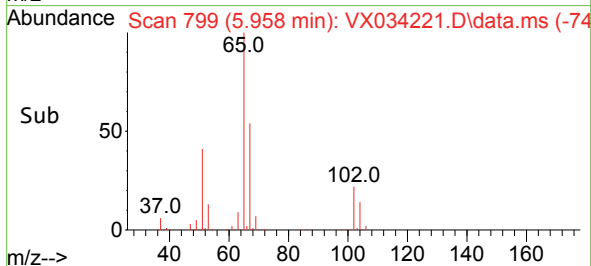
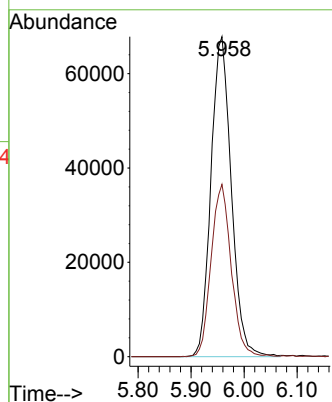
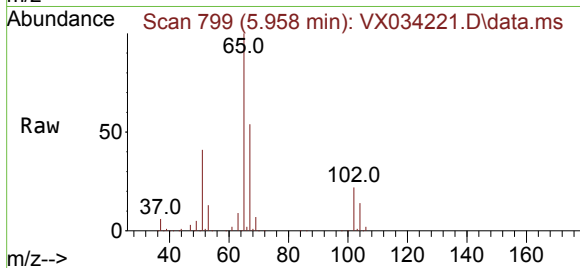
VX0222WBL02

Tgt Ion: 65 Resp: 180821

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034221.D

Acq: 22 Feb 2023 11:49

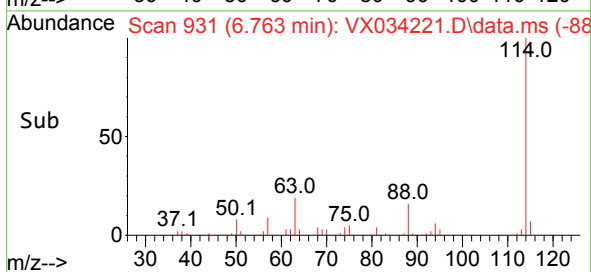
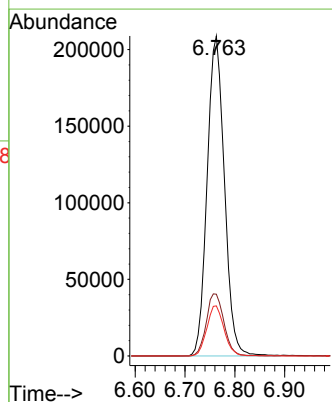
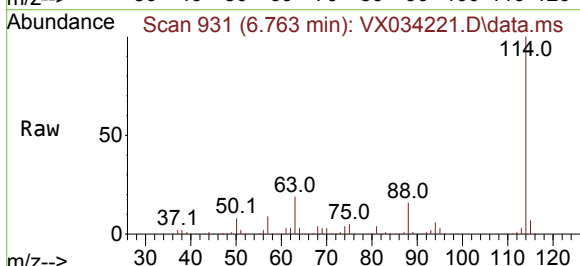
Tgt Ion: 114 Resp: 502555

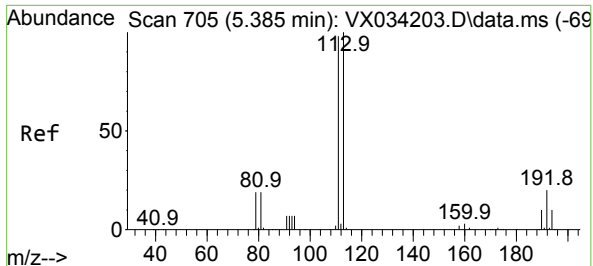
Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 15.7 0.0 30.6

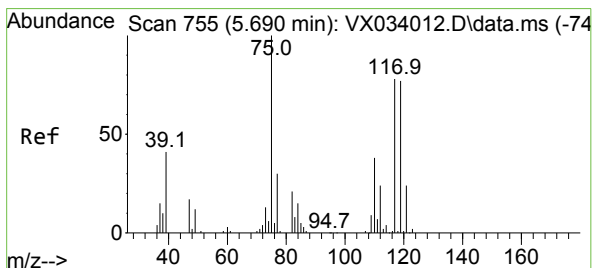
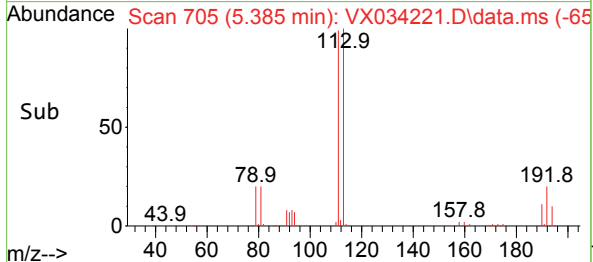
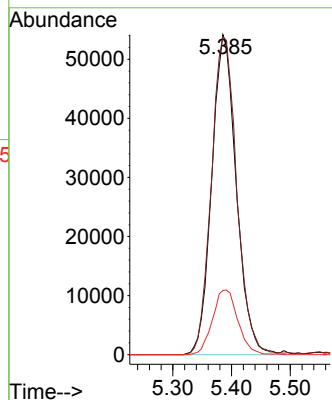
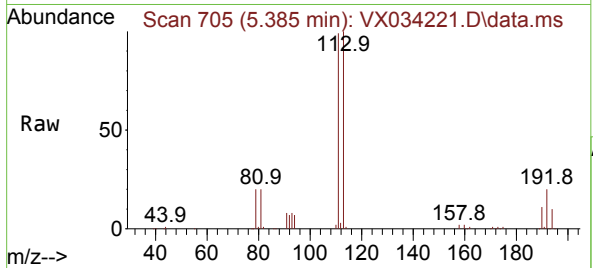




#35  
Dibromofluoromethane  
Concen: 47.972 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX034221.D  
Acq: 22 Feb 2023 11:49

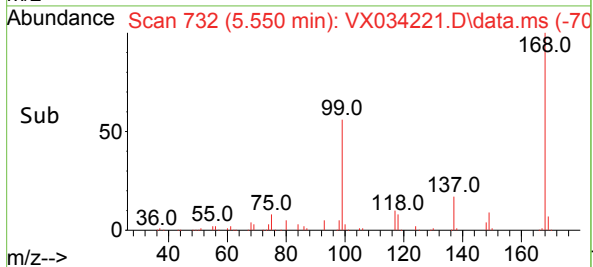
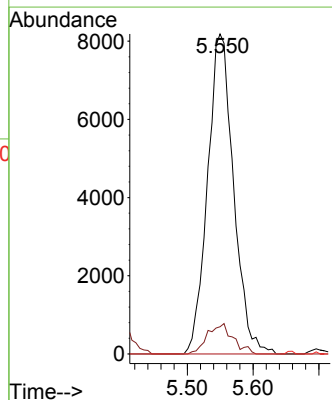
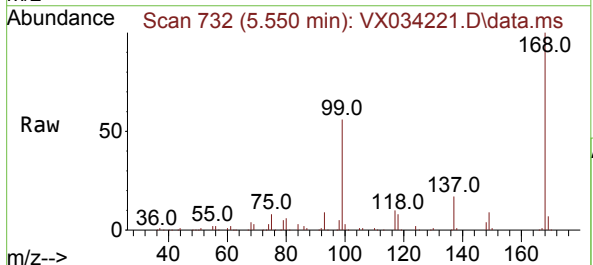
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0222WBL02

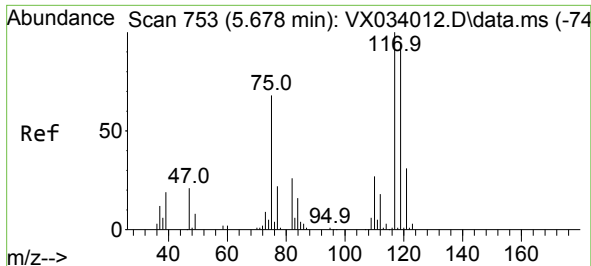
Tgt Ion:113 Resp: 156970  
Ion Ratio Lower Upper  
113 100  
111 102.7 83.0 124.6  
192 21.0 19.0 28.4



#36  
1,1-Dichloropropene  
Concen: 4.655 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX034221.D  
Acq: 22 Feb 2023 11:49

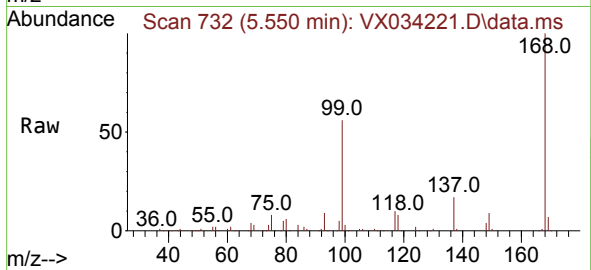
Tgt Ion: 75 Resp: 22526  
Ion Ratio Lower Upper  
75 100  
110 9.3 18.8 56.4#  
77 0.0 25.1 37.7#



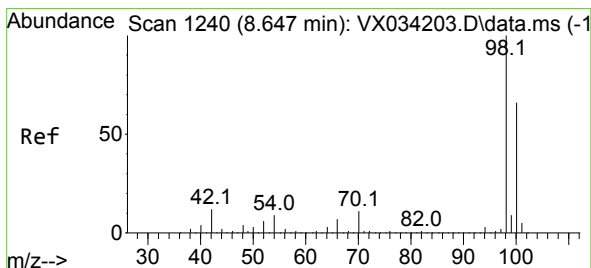
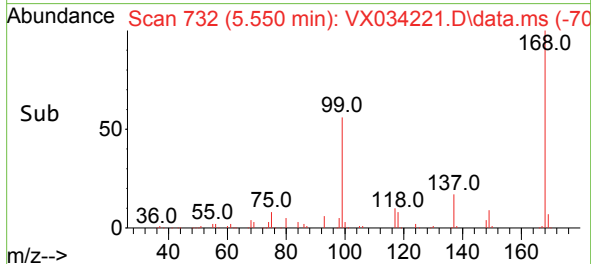
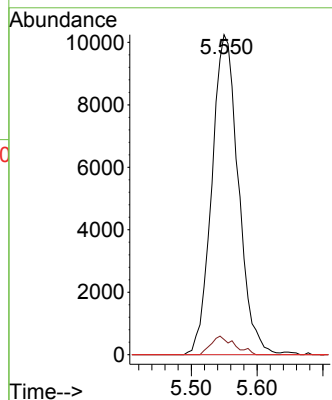


#38  
Carbon Tetrachloride  
Concen: 5.774 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX034221.D  
Acq: 22 Feb 2023 11:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0222WBL02

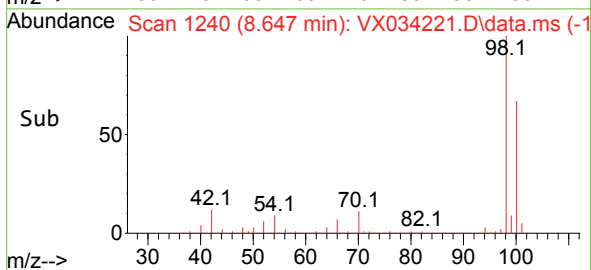
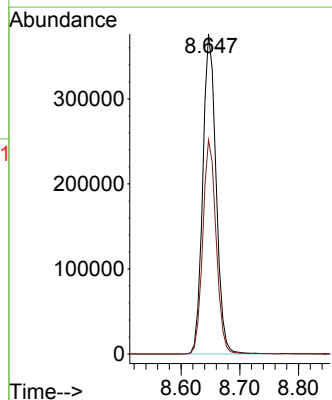
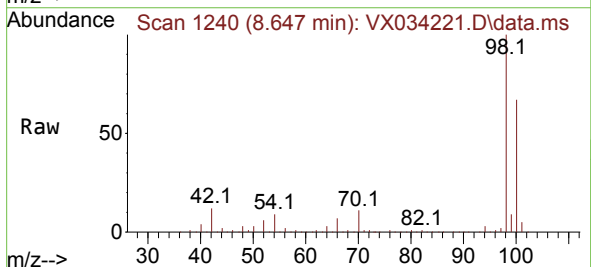


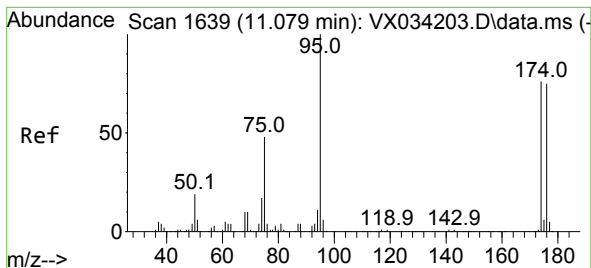
Tgt Ion:117 Resp: 28751  
Ion Ratio Lower Upper  
117 100  
119 4.8 78.0 117.0#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 50.482 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX034221.D  
Acq: 22 Feb 2023 11:49

Tgt Ion: 98 Resp: 593064  
Ion Ratio Lower Upper  
98 100  
100 67.0 53.6 80.4

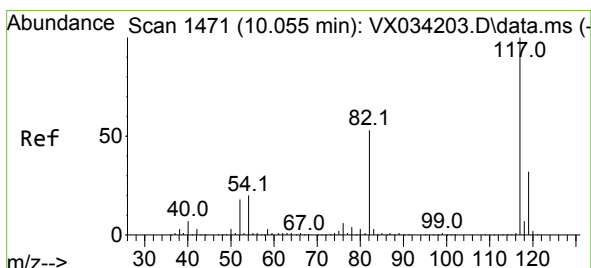
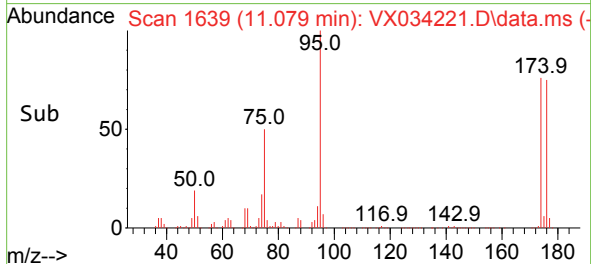
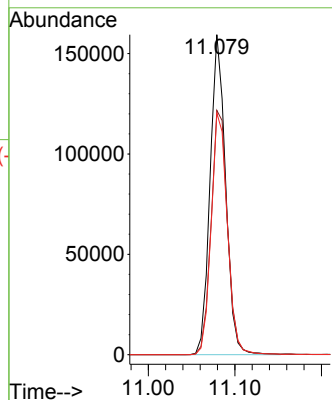
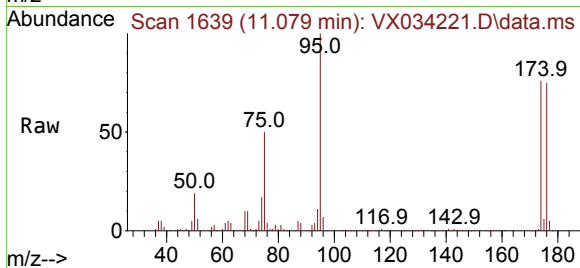




#62  
 4-Bromofluorobenzene  
 Concen: 44.143 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VX034221.D  
 Acq: 22 Feb 2023 11:49

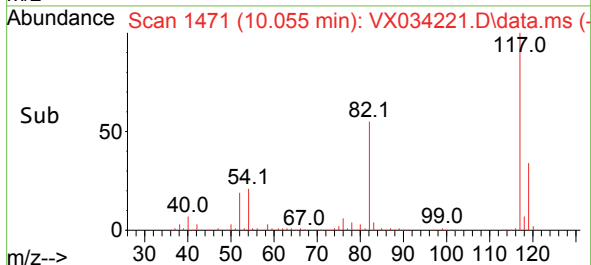
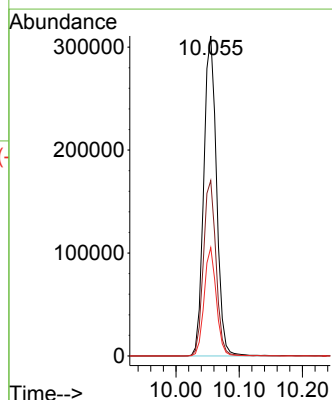
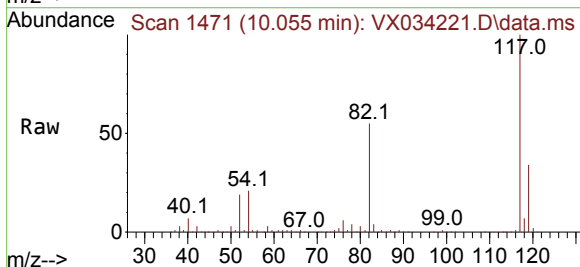
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0222WBL02

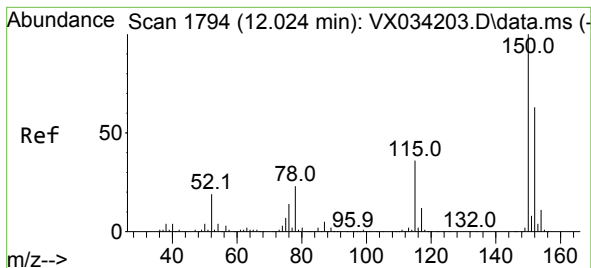
Tgt Ion: 95 Resp: 198363  
 Ion Ratio Lower Upper  
 95 100  
 174 81.2 0.0 184.4  
 176 78.8 0.0 178.8



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. 0.000 min  
 Lab File: VX034221.D  
 Acq: 22 Feb 2023 11:49

Tgt Ion: 117 Resp: 437478  
 Ion Ratio Lower Upper  
 117 100  
 82 54.8 40.6 60.8  
 119 33.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034221.D

Acq: 22 Feb 2023 11:49

Instrument :

MSVOA\_X

ClientSampleId :

VX0222WBL02

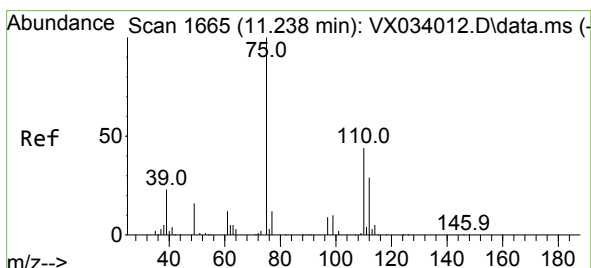
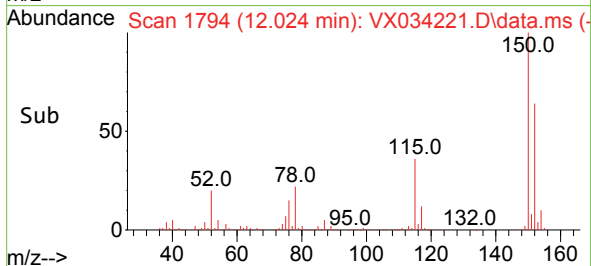
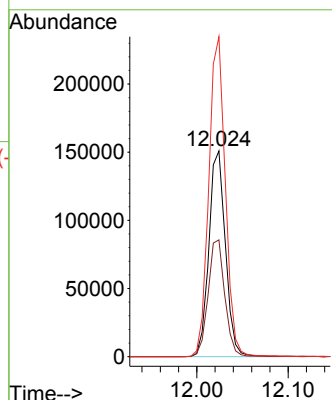
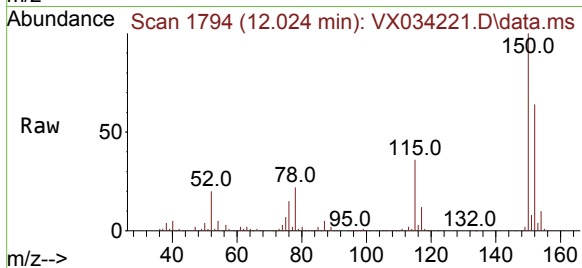
Tgt Ion:152 Resp: 189796

Ion Ratio Lower Upper

152 100

115 57.5 38.7 116.1

150 155.2 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 20.881 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034221.D

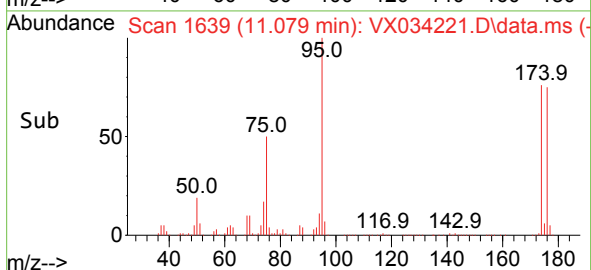
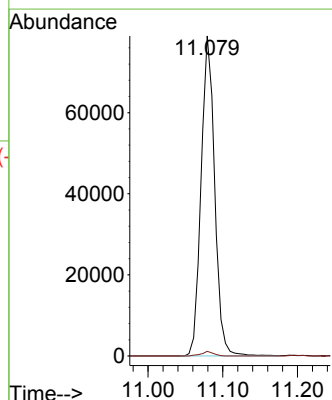
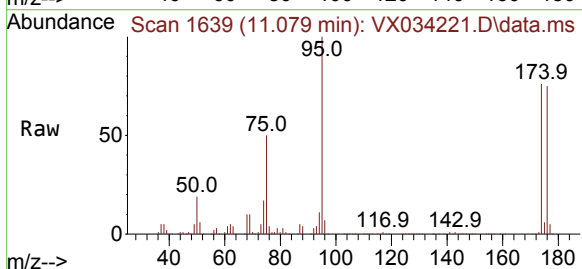
Acq: 22 Feb 2023 11:49

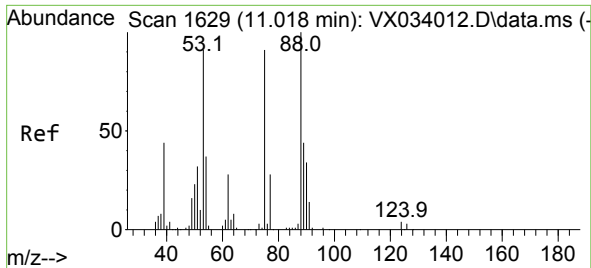
Tgt Ion: 75 Resp: 99723

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.4#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 53.641 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX034221.D  
 Acq: 22 Feb 2023 11:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0222WBL02

Tgt Ion: 75 Resp: 99723  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.0 124.6#  
 89 0.0 37.7 56.5#

