

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101823\  
 Data File : VY016030.D  
 Acq On : 18 Oct 2023 19:15  
 Operator : SY/MD  
 Sample : 04888-01RE  
 Misc : 5.65g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

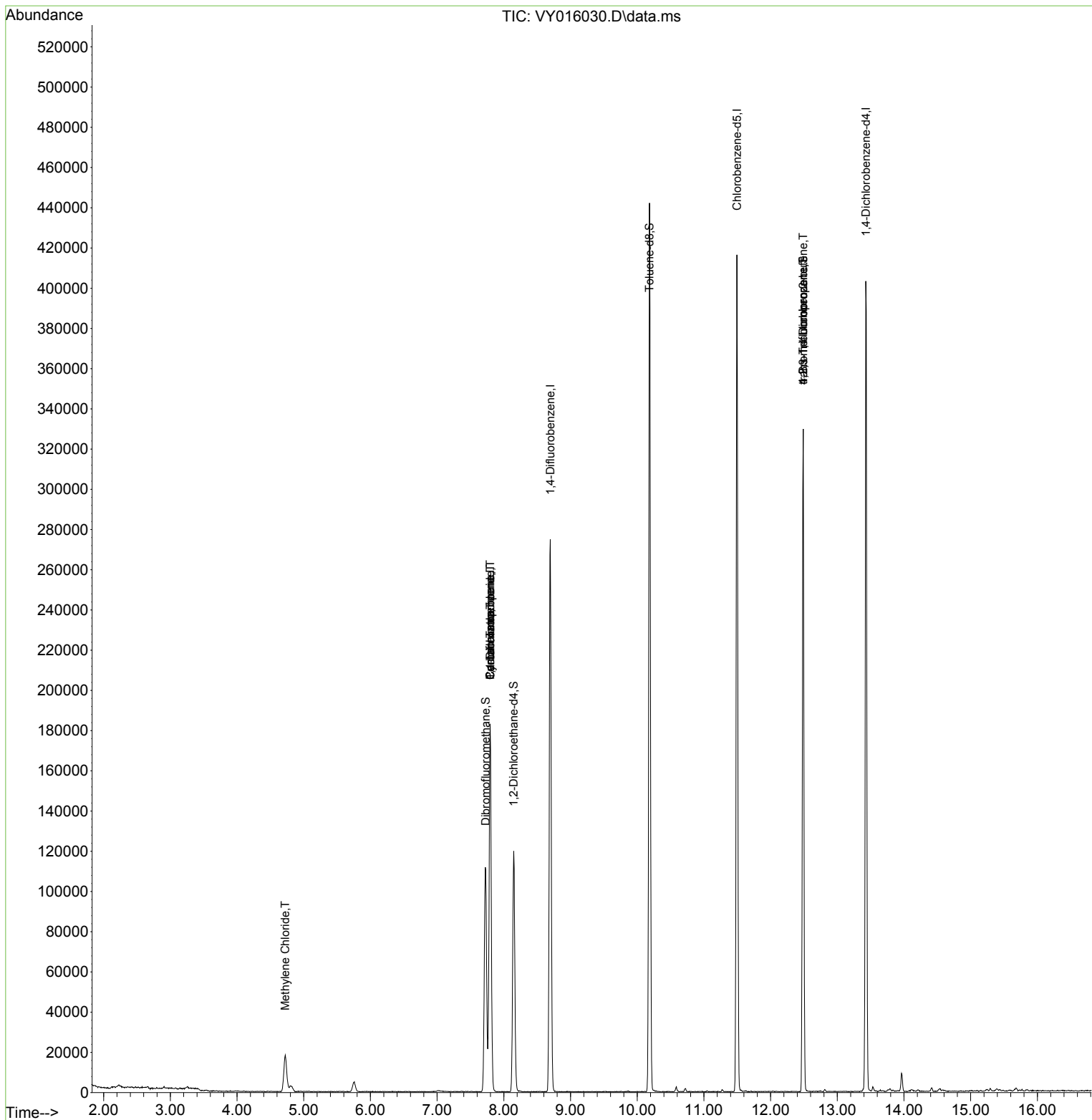
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

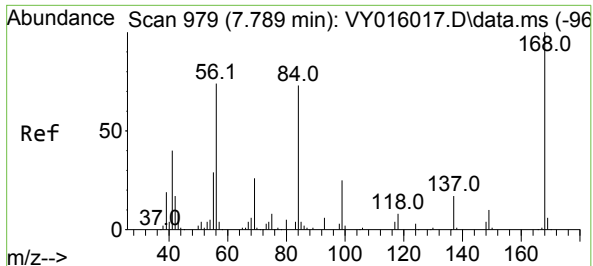
Quant Time: Oct 19 03:28:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 19 03:15:44 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 142074   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 243471   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 225519   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 106011   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 95692    | 59.260   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 118.520% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 82166    | 51.272   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 102.540% |          |
| 50) Toluene-d8                | 10.185 | 98    | 286191   | 49.172   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 98.340%  |          |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 97074    | 46.743   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 93.480%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride        | 4.722  | 84    | 13895    | 7.814    | ug/l       | 84       |
| 31) Cyclohexane               | 7.795  | 56    | 2806     | 1.110    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 10885    | 4.515    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 14280    | 5.572    | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 50606    | 33.715   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 50606    | 73.596   | ug/l #     | 10       |
| -----                         |        |       |          |          |            |          |

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

Quant Time: Oct 19 03:28:15 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 19 03:15:44 2023  
Response via : Initial Calibration

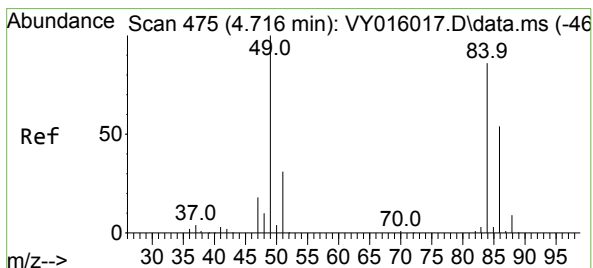
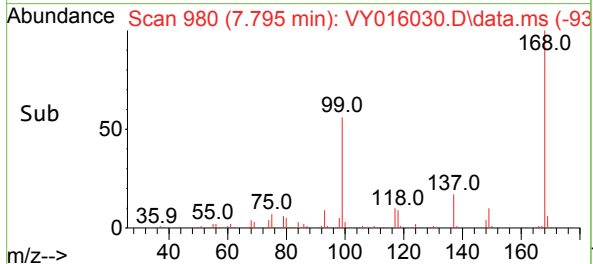
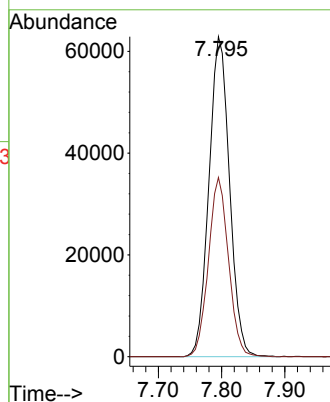
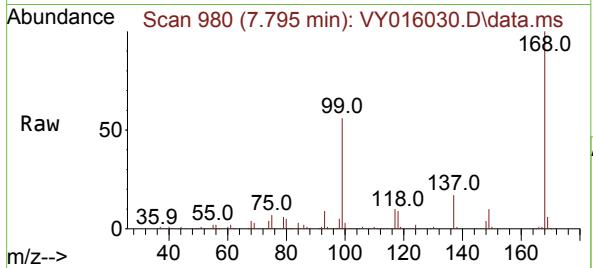




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016030.D  
Acq: 18 Oct 2023 19:15

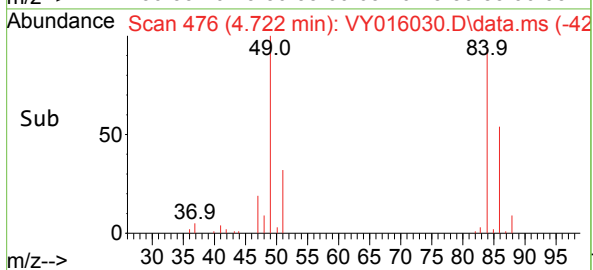
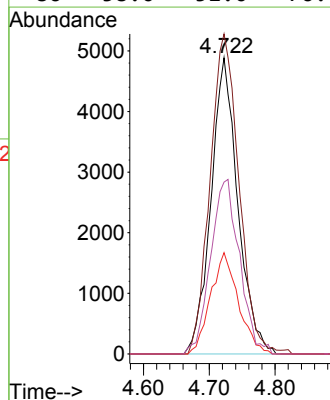
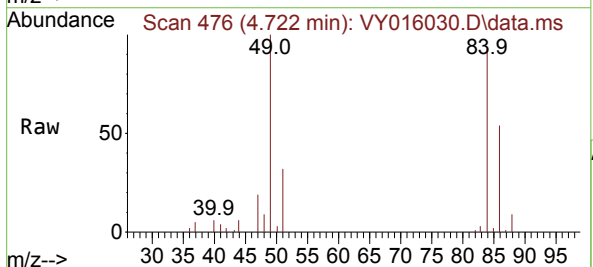
Instrument :  
MSVOA\_Y  
ClientSampleId :

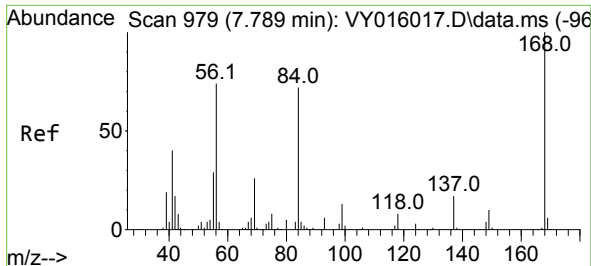
Tgt Ion:168 Resp: 142074  
Ion Ratio Lower Upper  
168 100  
99 56.0 43.4 65.0



#20  
Methylene Chloride  
Concen: 7.814 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY016030.D  
Acq: 18 Oct 2023 19:15

Tgt Ion: 84 Resp: 13895  
Ion Ratio Lower Upper  
84 100  
49 108.0 106.9 160.3  
51 34.2 33.2 49.8  
86 58.0 51.0 76.6

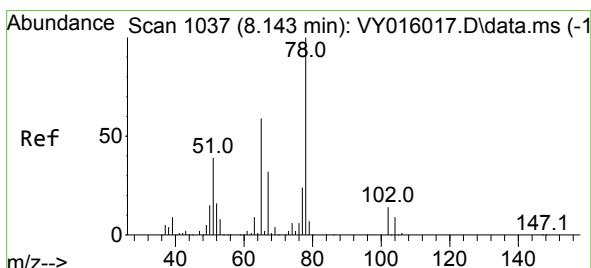
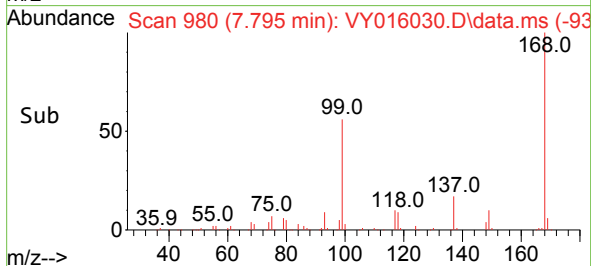
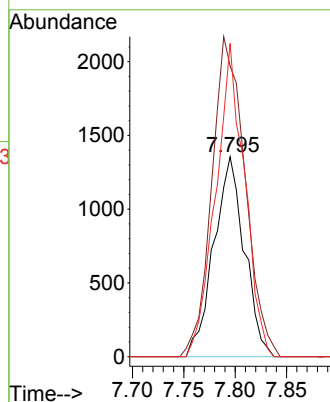
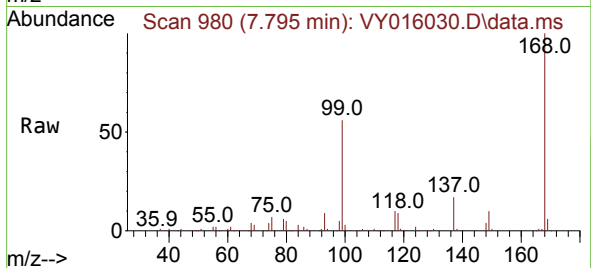




#31  
Cyclohexane  
Concen: 1.110 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016030.D  
Acq: 18 Oct 2023 19:15

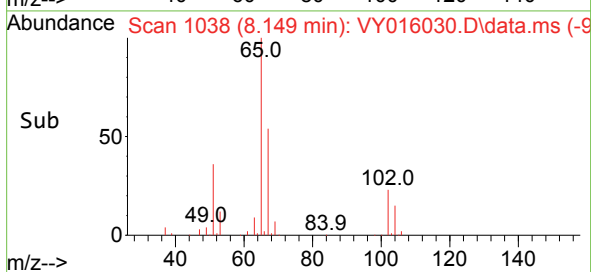
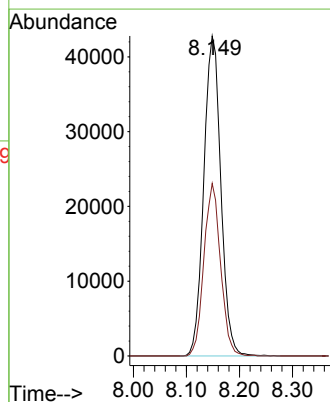
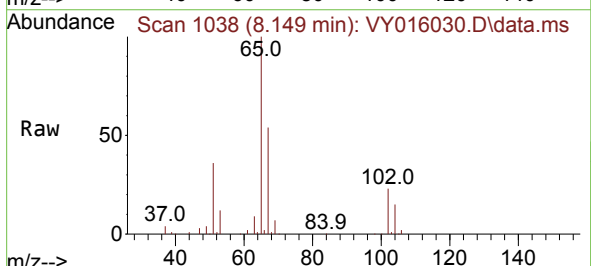
Instrument :  
MSVOA\_Y  
ClientSampleId :

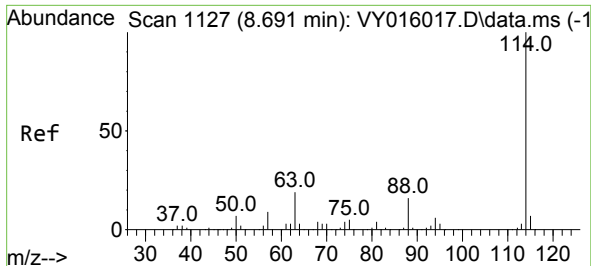
Tgt Ion: 56 Resp: 2806  
Ion Ratio Lower Upper  
56 100  
69 145.3 27.8 41.6#  
84 156.7 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 59.260 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VY016030.D  
Acq: 18 Oct 2023 19:15

Tgt Ion: 65 Resp: 95692  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 101.8

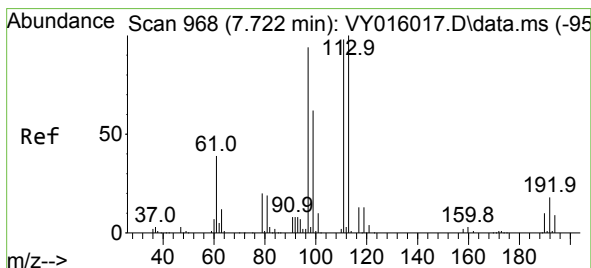
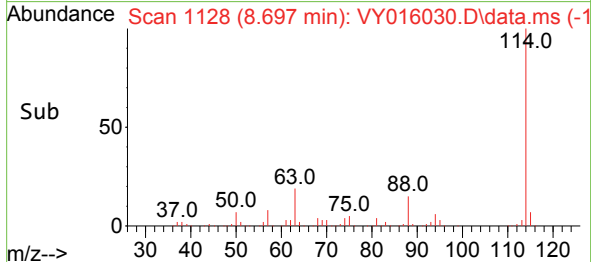
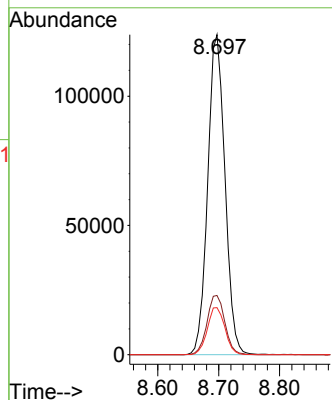
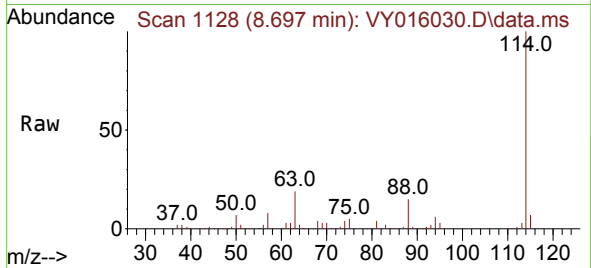




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY016030.D  
Acq: 18 Oct 2023 19:15

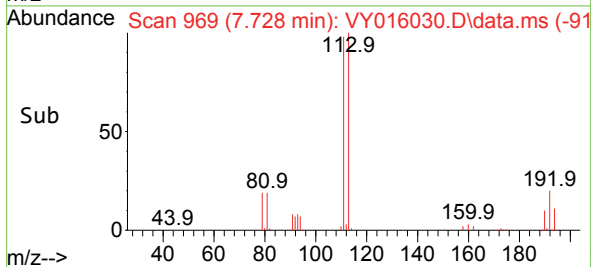
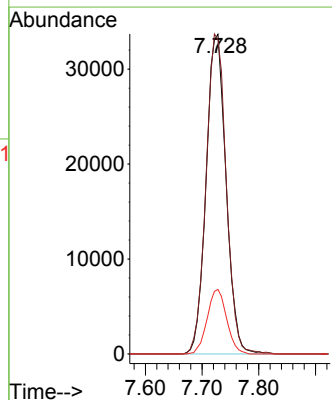
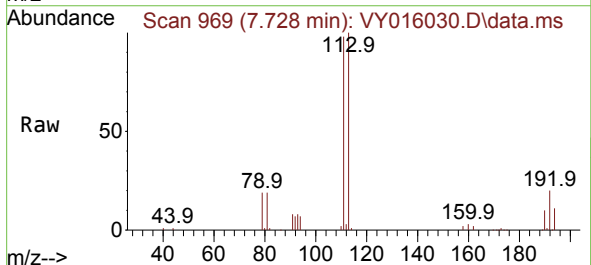
Instrument :  
MSVOA\_Y  
ClientSampleId :

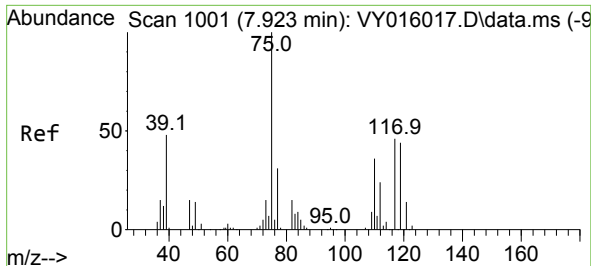
Tgt Ion:114 Resp: 243471  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 42.4  
88 14.7 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 51.272 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: VY016030.D  
Acq: 18 Oct 2023 19:15

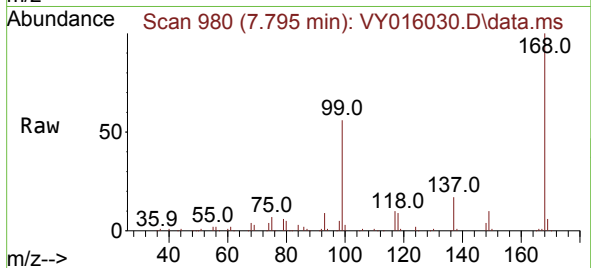
Tgt Ion:113 Resp: 82166  
Ion Ratio Lower Upper  
113 100  
111 101.4 81.3 121.9  
192 19.8 16.9 25.3



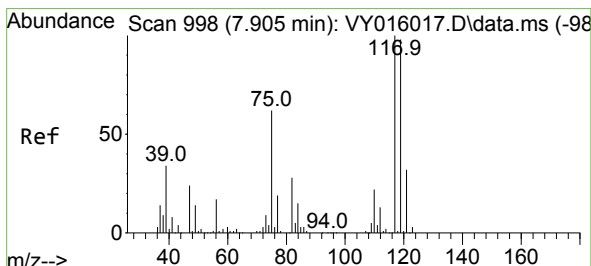
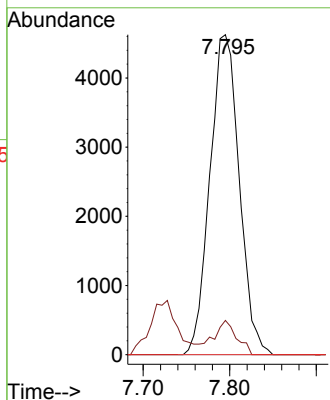
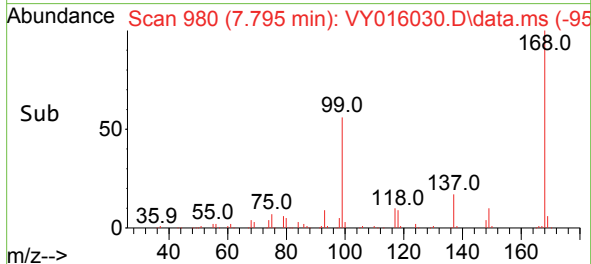


#36  
 1,1-Dichloropropene  
 Concen: 4.515 ug/l  
 RT: 7.795 min Scan# 980  
 Delta R.T. -0.128 min  
 Lab File: VY016030.D  
 Acq: 18 Oct 2023 19:15

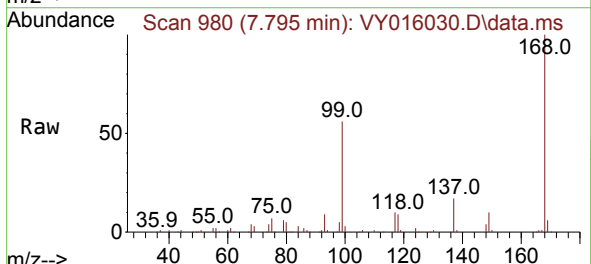
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



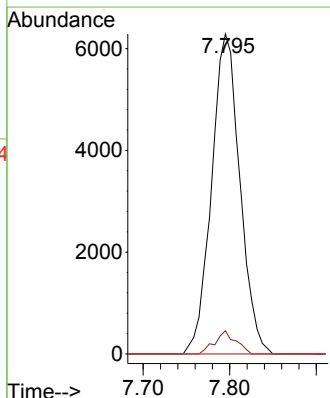
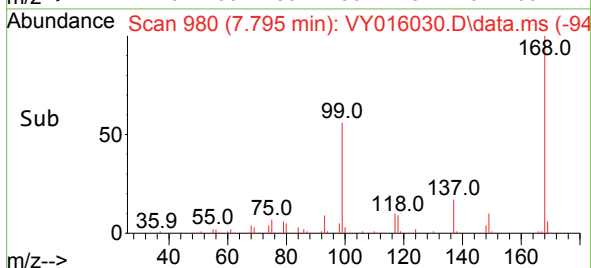
Tgt Ion: 75 Resp: 10885  
 Ion Ratio Lower Upper  
 75 100  
 110 8.5 17.8 53.5#  
 77 0.0 24.4 36.6#

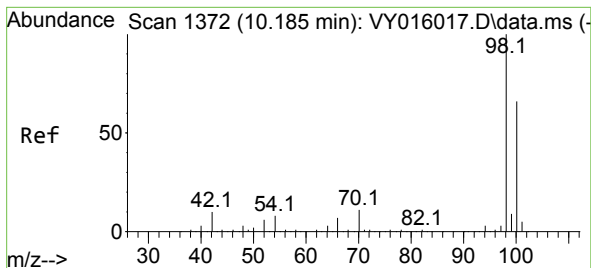


#38  
 Carbon Tetrachloride  
 Concen: 5.572 ug/l  
 RT: 7.795 min Scan# 980  
 Delta R.T. -0.110 min  
 Lab File: VY016030.D  
 Acq: 18 Oct 2023 19:15



Tgt Ion: 117 Resp: 14280  
 Ion Ratio Lower Upper  
 117 100  
 119 7.3 76.4 114.6#  
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.172 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016030.D

Acq: 18 Oct 2023 19:15

Instrument :

MSVOA\_Y

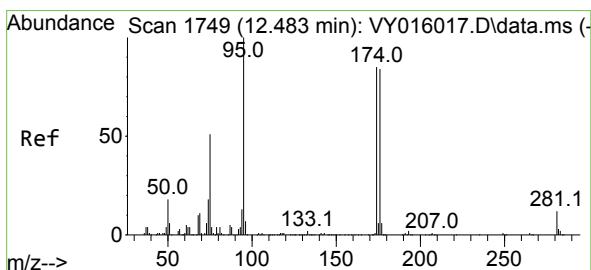
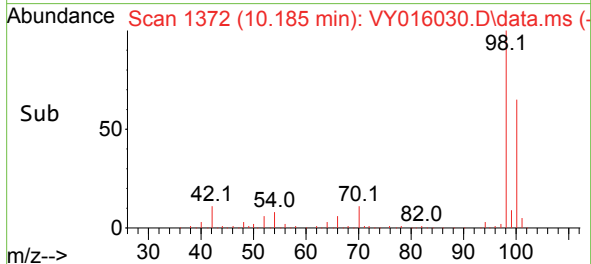
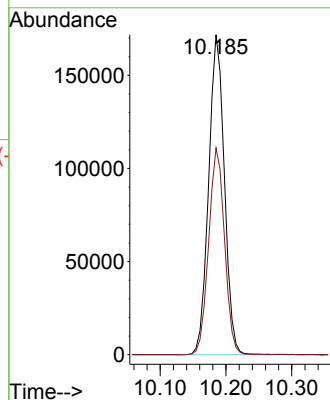
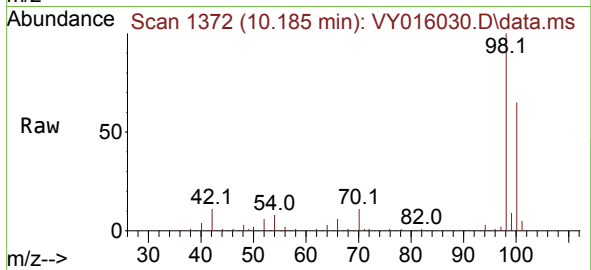
ClientSampleId :

Tgt Ion: 98 Resp: 286191

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 46.743 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY016030.D

Acq: 18 Oct 2023 19:15

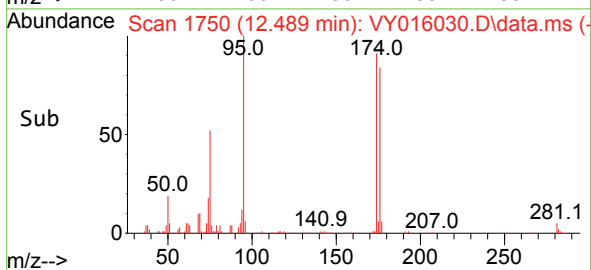
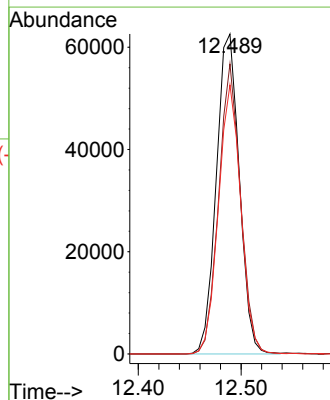
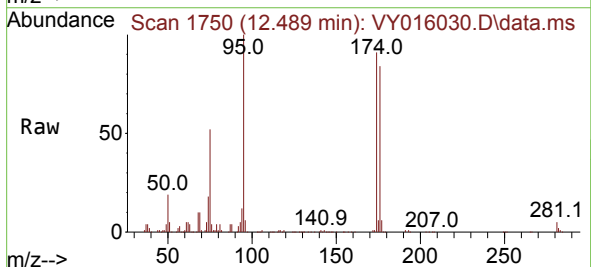
Tgt Ion: 95 Resp: 97074

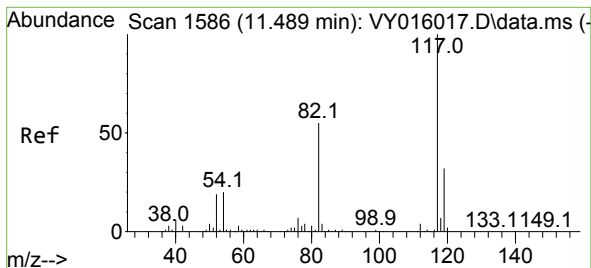
Ion Ratio Lower Upper

95 100

174 86.2 0.0 178.2

176 82.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016030.D

Acq: 18 Oct 2023 19:15

Instrument :

MSVOA\_Y

ClientSampleId :

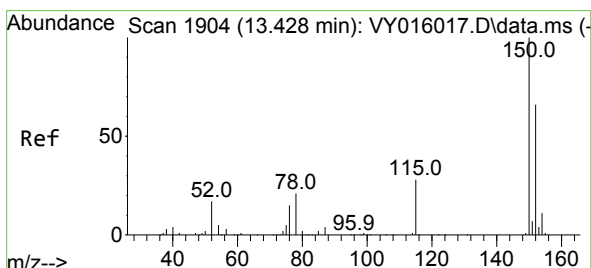
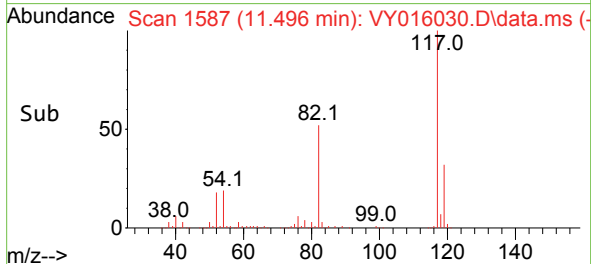
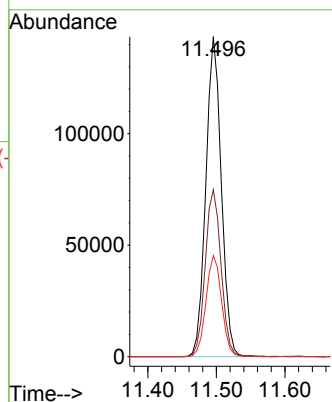
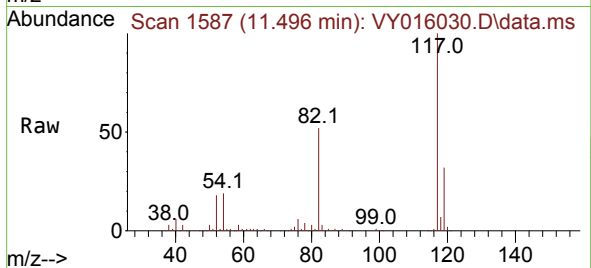
Tgt Ion:117 Resp: 225519

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY016030.D

Acq: 18 Oct 2023 19:15

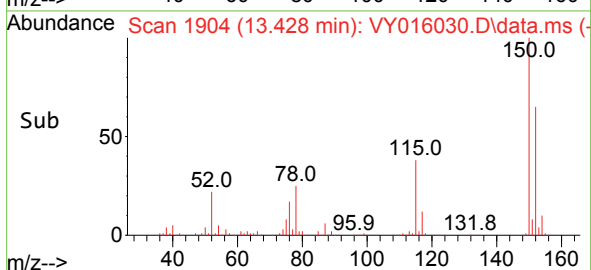
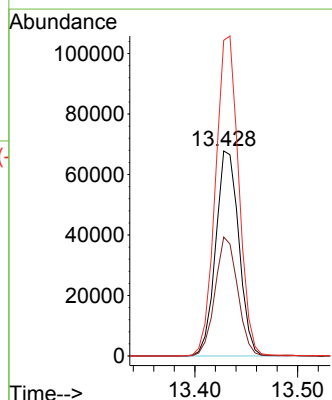
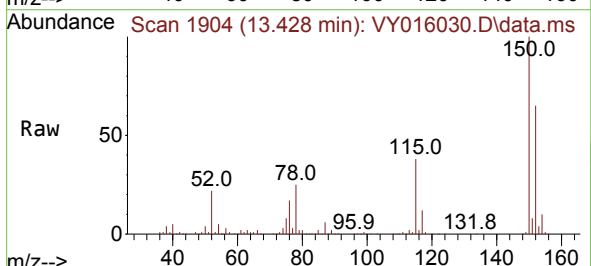
Tgt Ion:152 Resp: 106011

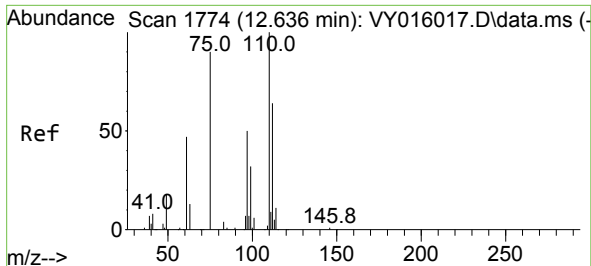
Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 156.5 0.0 348.8

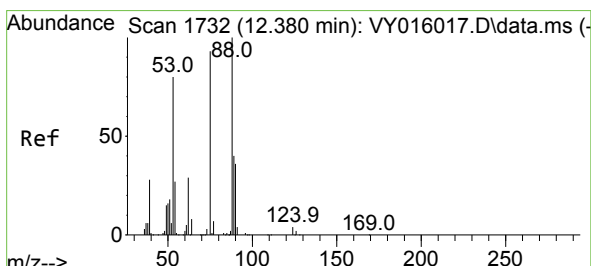
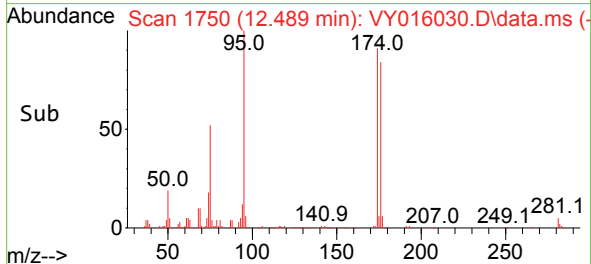
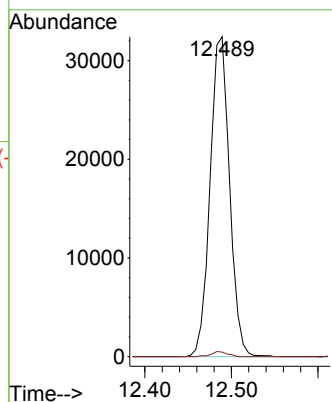
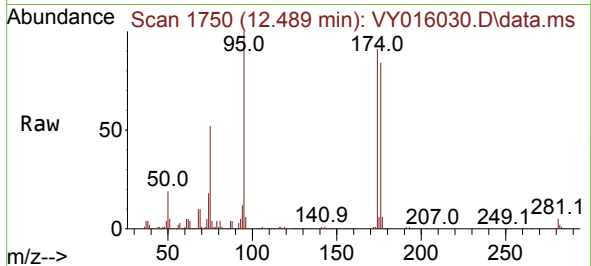




#76  
1,2,3-Trichloropropane  
Concen: 33.715 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.146 min  
Lab File: VY016030.D  
Acq: 18 Oct 2023 19:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 50606  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.596 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.110 min  
Lab File: VY016030.D  
Acq: 18 Oct 2023 19:15

Tgt Ion: 75 Resp: 50606  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#

