

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030323\  
 Data File : VY012808.D  
 Acq On : 03 Mar 2023 19:50  
 Operator : KP/MD  
 Sample : 01749-14  
 Misc : 6.59g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CF-16

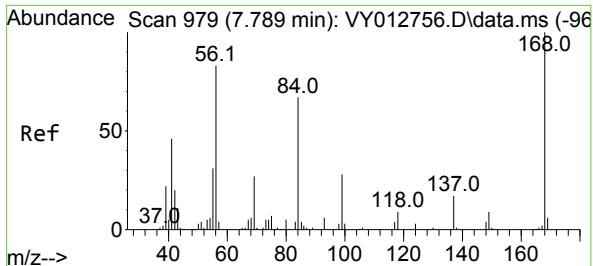
Quant Time: Mar 04 01:27:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 117131   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 195020   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 167961   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 72539    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 76046    | 65.390    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 130.780% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 73664    | 62.589    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 125.180% |          |
| 50) Toluene-d8                | 10.179    | 98    | 243024   | 56.482    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 112.960% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 73685    | 50.738    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 101.480% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.930     | 59    | 45       | Below Cal | #          | 74       |
| 31) Cyclohexane               | 7.783     | 56    | 2497     | 1.121     | ug/l #     | 4        |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 9112     | 4.620     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 10944    | 5.373     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 39195    | 45.248    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 39195    | 93.755    | ug/l #     | 13       |
| -----                         |           |       |          |           |            |          |

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

Quant Time: Mar 04 01:27:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

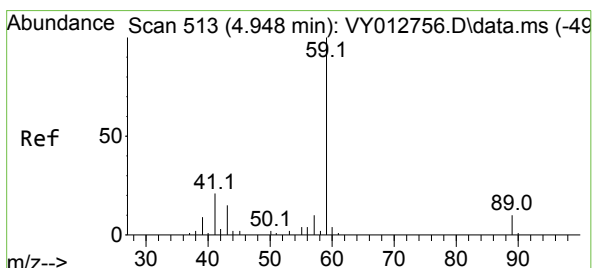
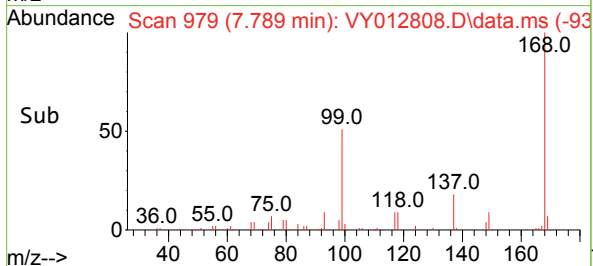
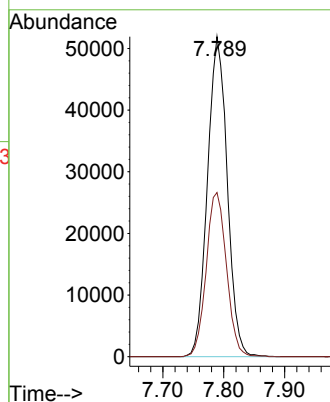
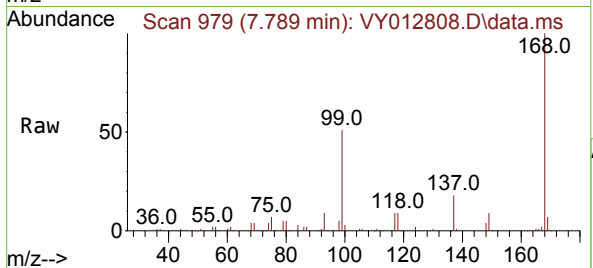




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

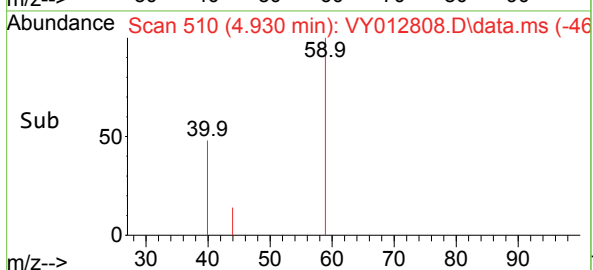
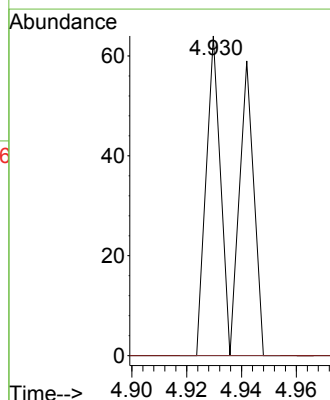
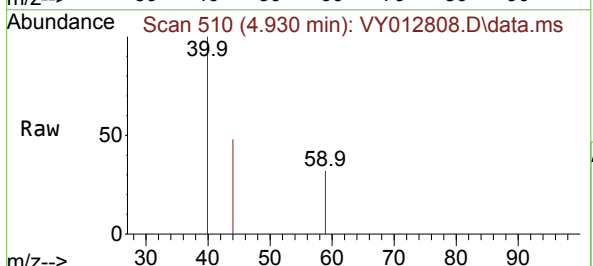
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CF-16

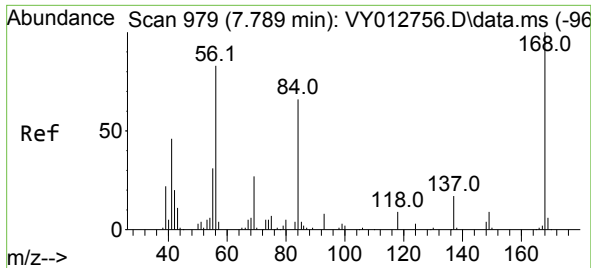
Tgt Ion:168 Resp: 117131  
Ion Ratio Lower Upper  
168 100  
99 51.3 41.7 62.5



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.930 min Scan# 510  
Delta R.T. -0.018 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

Tgt Ion: 59 Resp: 45  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

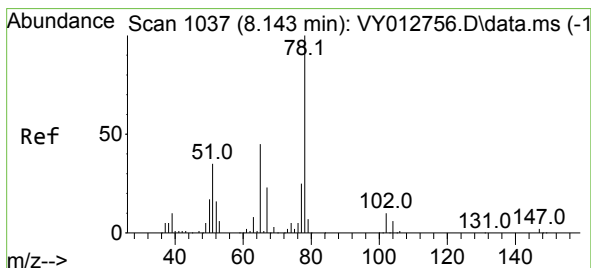
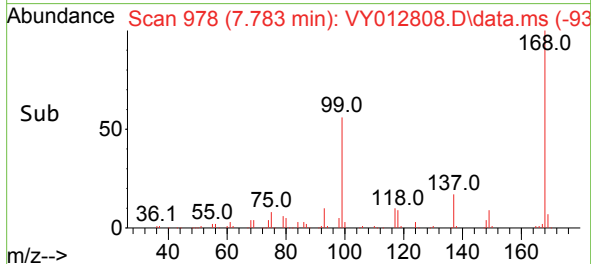
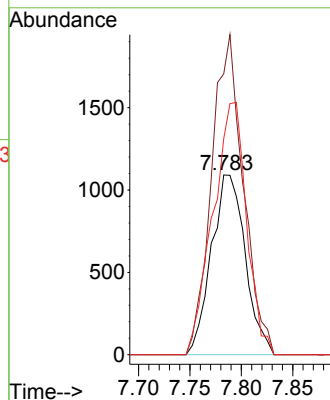
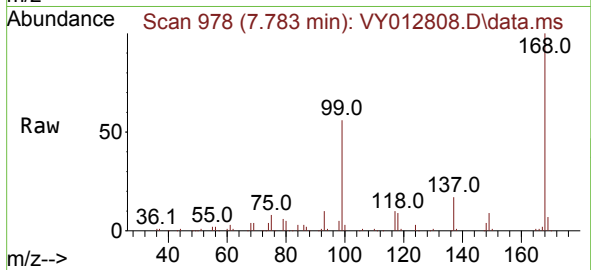




#31  
Cyclohexane  
Concen: 1.121 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

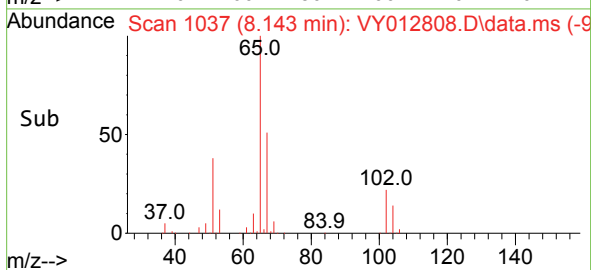
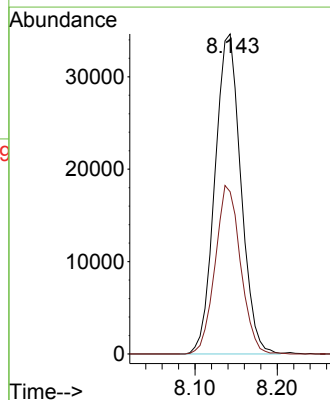
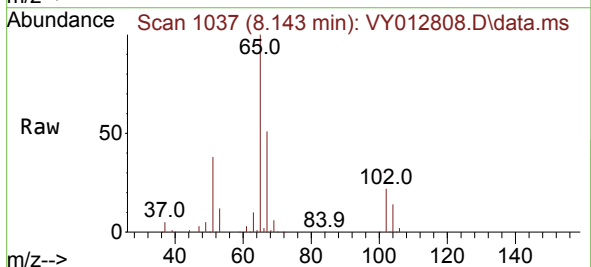
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CF-16

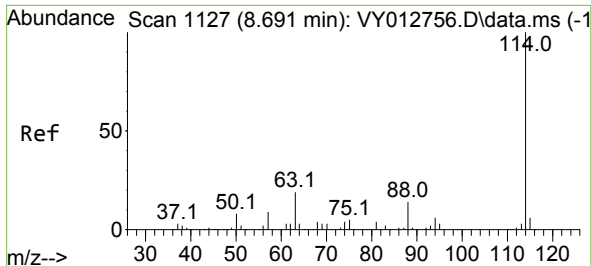
Tgt Ion: 56 Resp: 2497  
Ion Ratio Lower Upper  
56 100  
69 156.3 25.7 38.5#  
84 120.3 64.3 96.5#



#33  
1,2-Dichloroethane-d4  
Concen: 65.390 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

Tgt Ion: 65 Resp: 76046  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012808.D

Acq: 03 Mar 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

CF-16

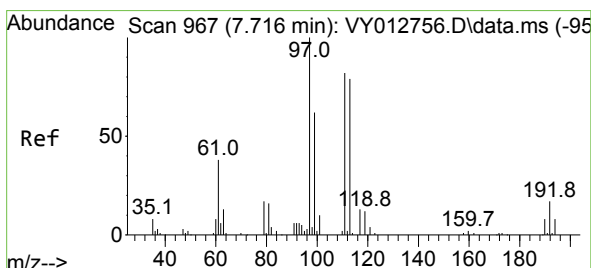
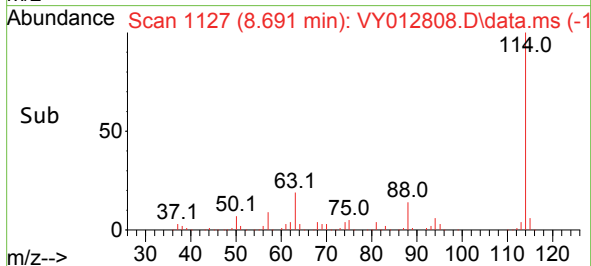
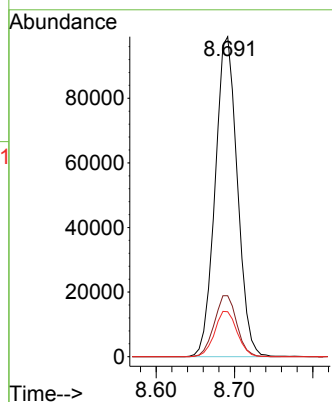
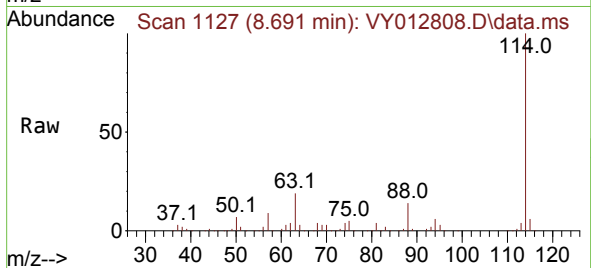
Tgt Ion:114 Resp: 195020

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 14.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 62.589 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012808.D

Acq: 03 Mar 2023 19:50

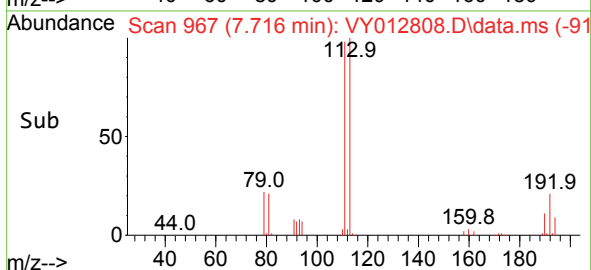
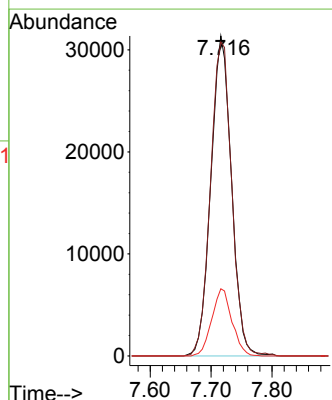
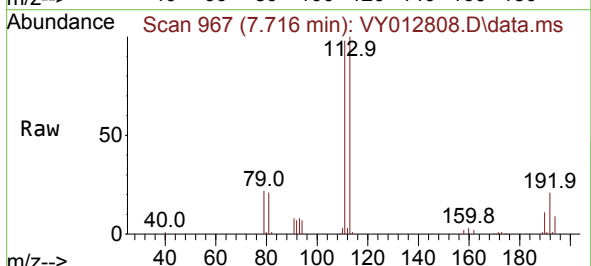
Tgt Ion:113 Resp: 73664

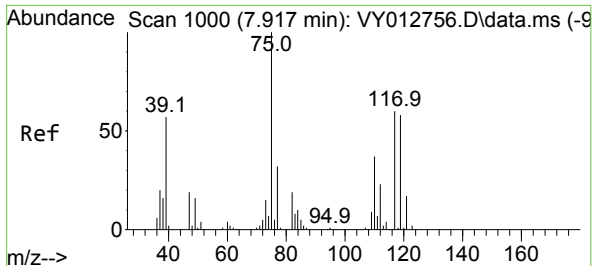
Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.2

192 20.5 16.8 25.2

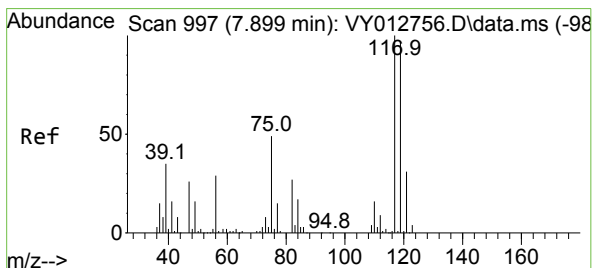
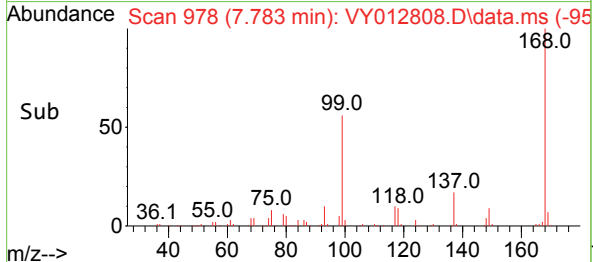
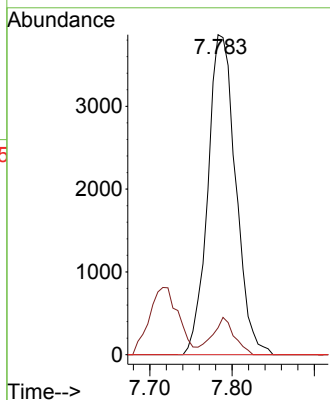
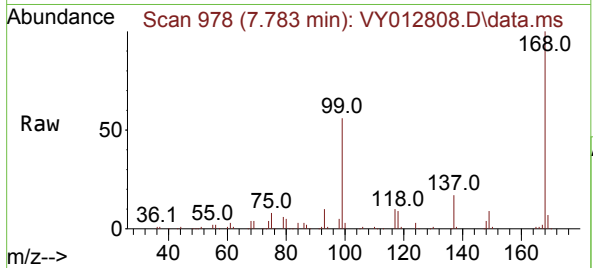




#36  
 1,1-Dichloropropene  
 Concen: 4.620 ug/l  
 RT: 7.783 min Scan# 912  
 Delta R.T. -0.134 min  
 Lab File: VY012808.D  
 Acq: 03 Mar 2023 19:50

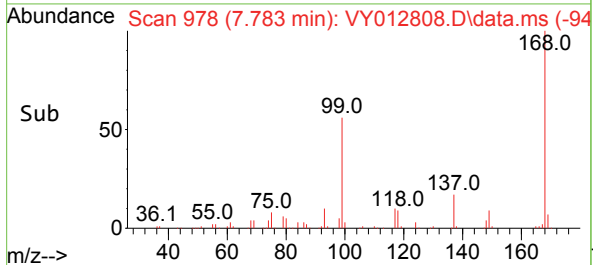
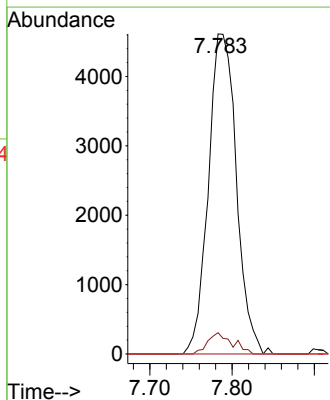
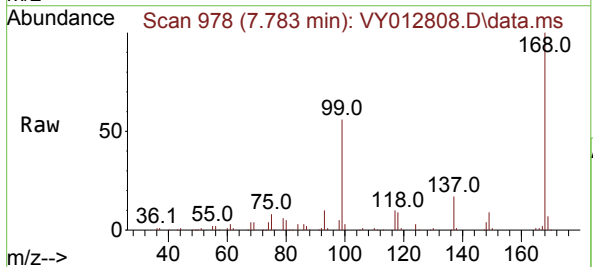
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CF-16

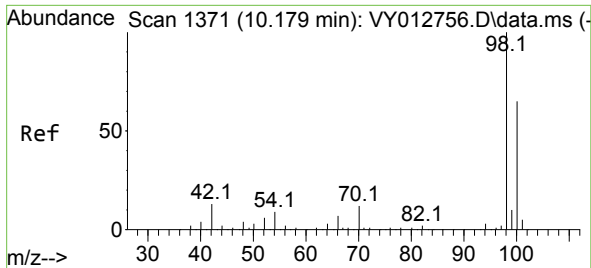
Tgt Ion: 75 Resp: 9112  
 Ion Ratio Lower Upper  
 75 100  
 110 9.1 17.8 53.3#  
 77 0.0 25.0 37.4#



#38  
 Carbon Tetrachloride  
 Concen: 5.373 ug/l  
 RT: 7.783 min Scan# 978  
 Delta R.T. -0.116 min  
 Lab File: VY012808.D  
 Acq: 03 Mar 2023 19:50

Tgt Ion: 117 Resp: 10944  
 Ion Ratio Lower Upper  
 117 100  
 119 6.7 77.2 115.8#  
 121 0.0 24.7 37.1#

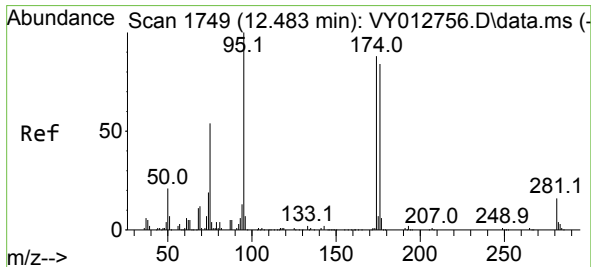
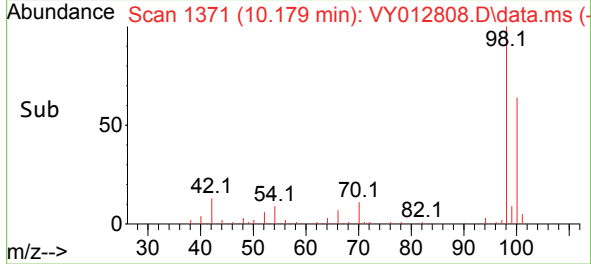
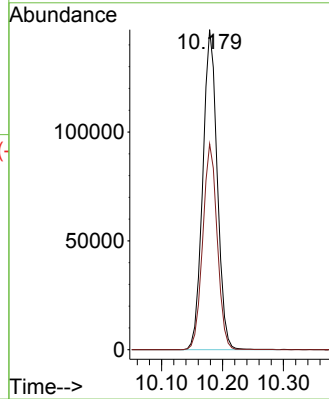
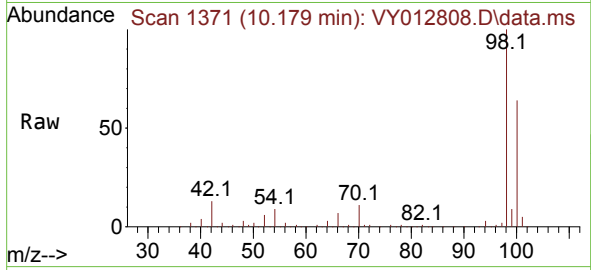




#50  
Toluene-d8  
Concen: 56.482 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

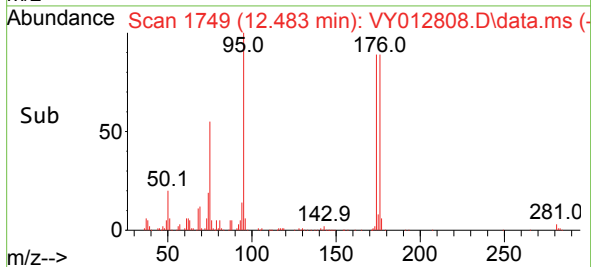
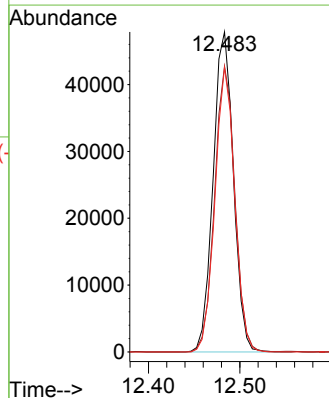
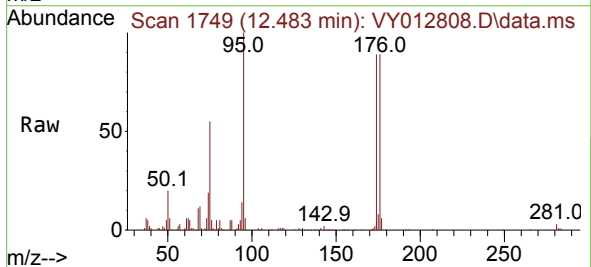
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CF-16

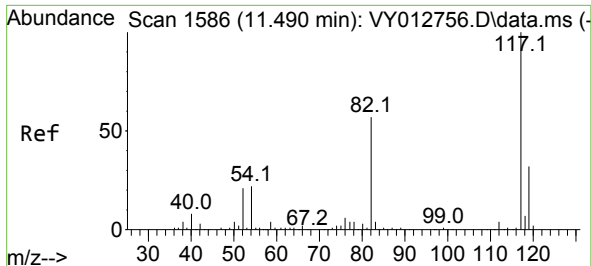
Tgt Ion: 98 Resp: 243024  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 50.738 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

Tgt Ion: 95 Resp: 73685  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 176.6  
176 86.7 0.0 170.2

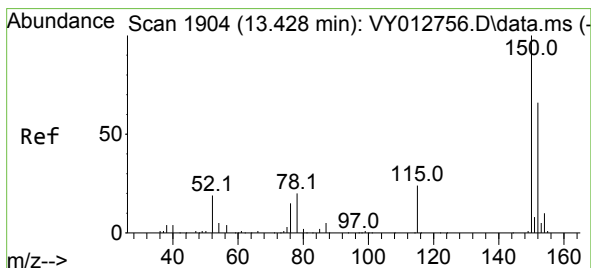
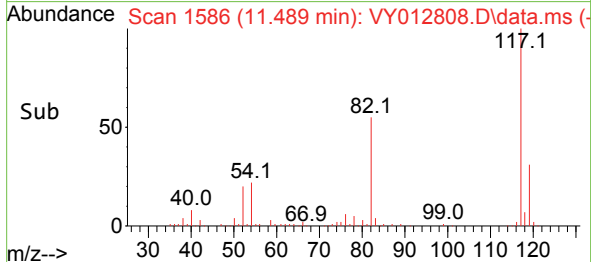
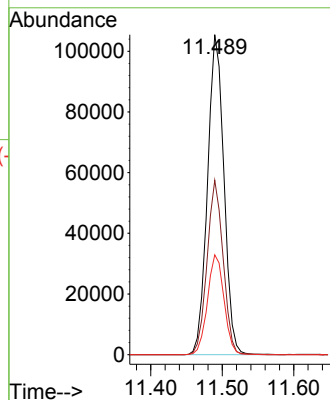
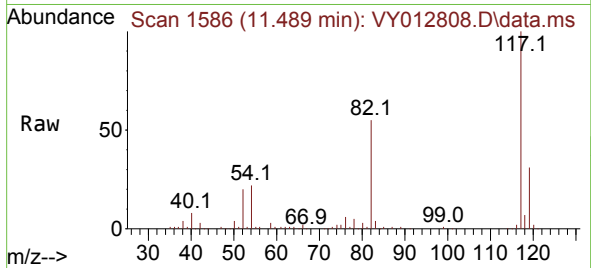




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

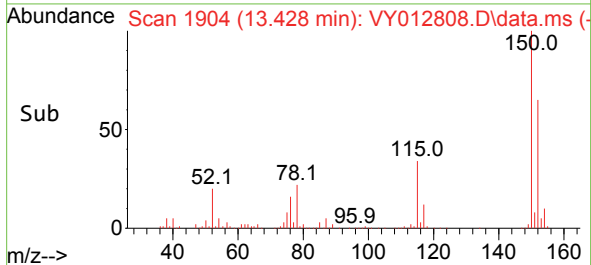
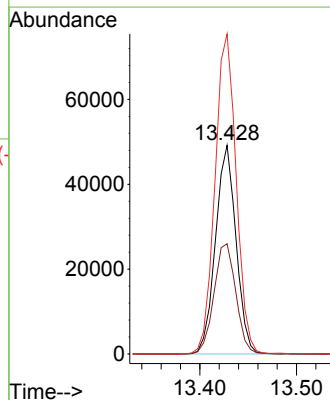
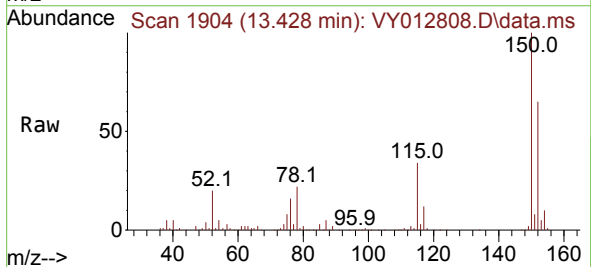
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MSVOA\_Y  
ClientSampleId :  
CF-16

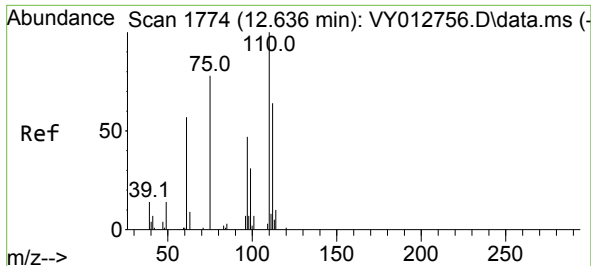
Tgt Ion:117 Resp: 167961  
Ion Ratio Lower Upper  
117 100  
82 54.5 45.4 68.0  
119 31.2 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

Tgt Ion:152 Resp: 72539  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.1 81.3  
150 158.2 0.0 347.8

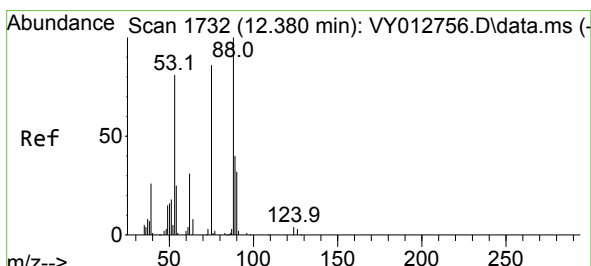
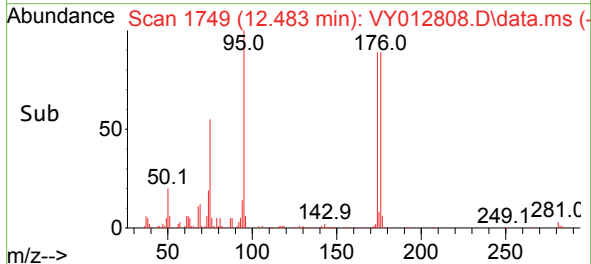
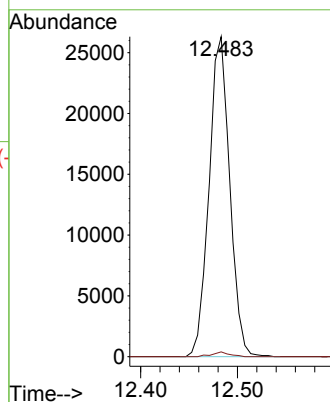
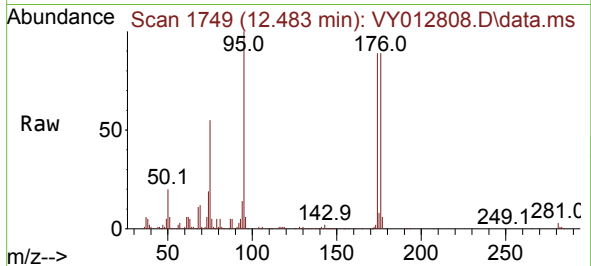




#76  
1,2,3-Trichloropropane  
Concen: 45.248 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CF-16

Tgt Ion: 75 Resp: 39195  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.755 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY012808.D  
Acq: 03 Mar 2023 19:50

Tgt Ion: 75 Resp: 39195  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.4 110.0#  
89 0.0 36.6 55.0#

