

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030223\  
 Data File : VY012775.D  
 Acq On : 02 Mar 2023 21:32  
 Operator : KP/MD  
 Sample : 01767-01  
 Misc : 4.53g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CE-45-030123

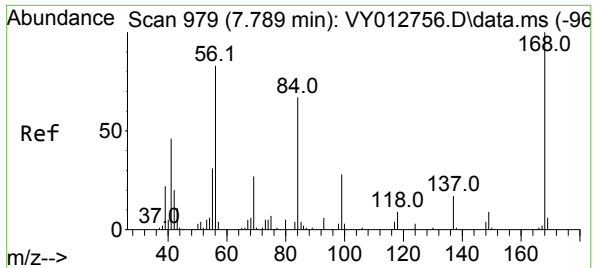
Quant Time: Mar 03 02:01:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168            | 119994   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114            | 200521   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117            | 159748   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152            | 63712    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65             | 74716    | 62.714     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | = 125.420% |        |          |
| 35) Dibromofluoromethane      | 7.716  | 113            | 70587    | 58.330     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | = 116.660% |        |          |
| 50) Toluene-d8                | 10.179 | 98             | 217243   | 49.105     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 49 - 140 | Recovery | = 98.220%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95             | 65188    | 43.656     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 25 - 144 | Recovery | = 87.320%  |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 11) Tert butyl alcohol        | 4.936  | 59             | 192      | Below Cal  | #      | 74       |
| 16) Acetone                   | 3.942  | 43             | 2981     | 6.375      | ug/l   | 99       |
| 20) Methylene Chloride        | 4.710  | 84             | 6126     | Below Cal  |        | 98       |
| 25) 2-Butanone                | 6.990  | 43             | 769      | 1.328      | ug/l   | 96       |
| 29) Tetrahydrofuran           | 7.344  | 42             | 615      | 1.761      | ug/l # | 74       |
| 31) Cyclohexane               | 7.783  | 56             | 2681     | 1.175      | ug/l # | 14       |
| 36) 1,1-Dichloropropene       | 7.789  | 75             | 9285     | 4.579      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117            | 11478    | 5.481      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75             | 34479    | 45.318     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75             | 34479    | 93.900     | ug/l # | 13       |
| -----                         |        |                |          |            |        |          |

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

Quant Time: Mar 03 02:01:09 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

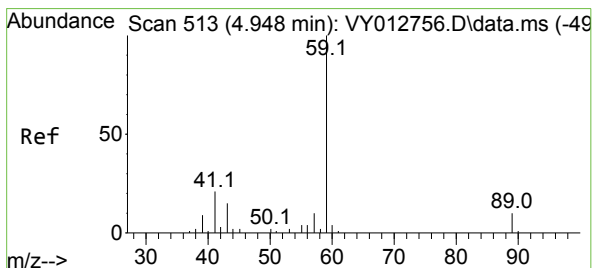
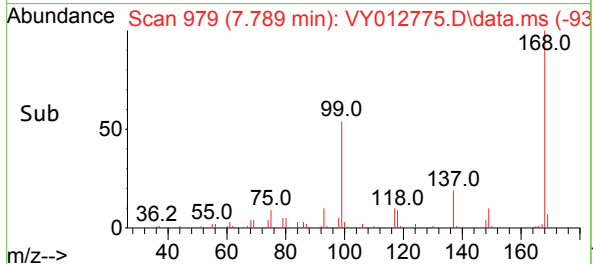
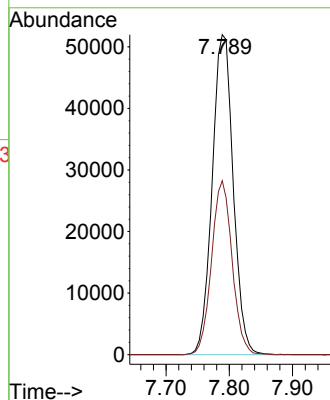
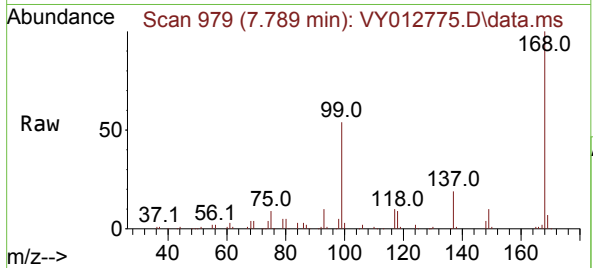




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

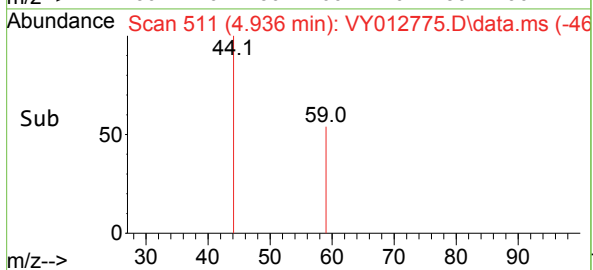
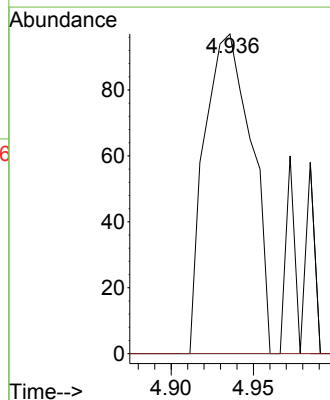
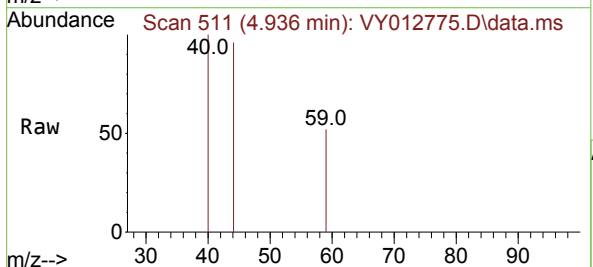
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CE-45-030123

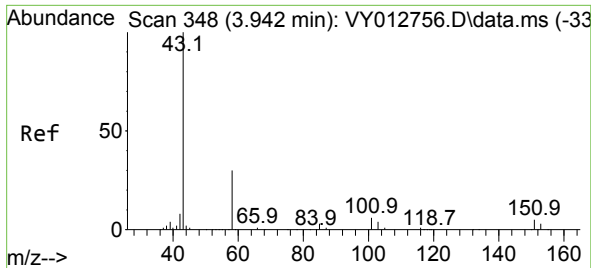
Tgt Ion:168 Resp: 119994  
Ion Ratio Lower Upper  
168 100  
99 54.3 41.7 62.5



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

Tgt Ion: 59 Resp: 192  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

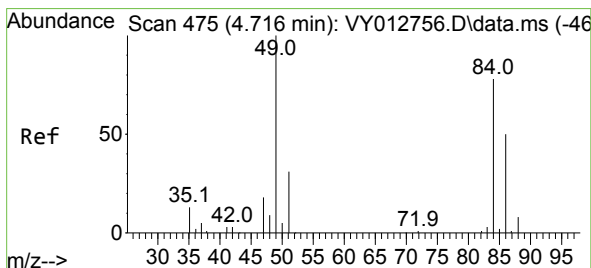
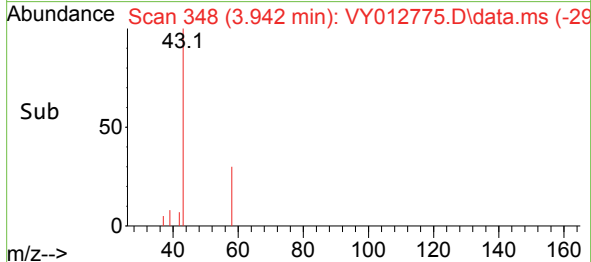
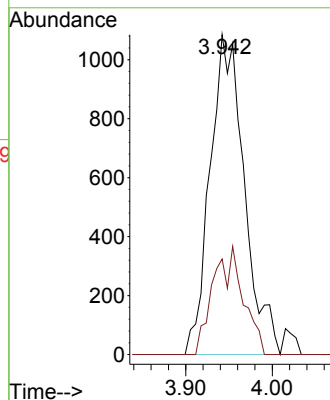
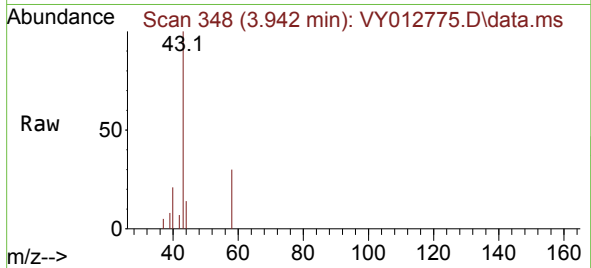




#16  
Acetone  
Concen: 6.375 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

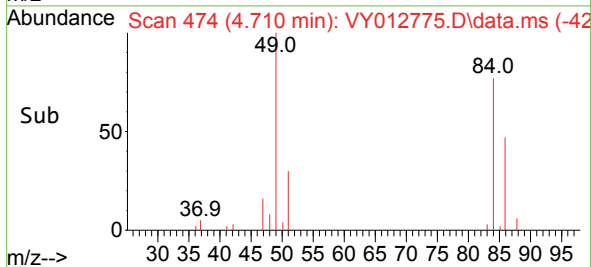
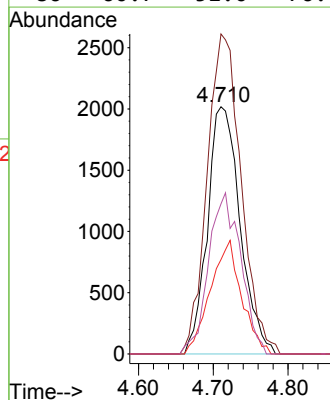
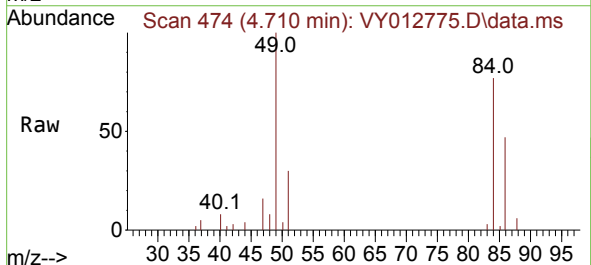
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CE-45-030123

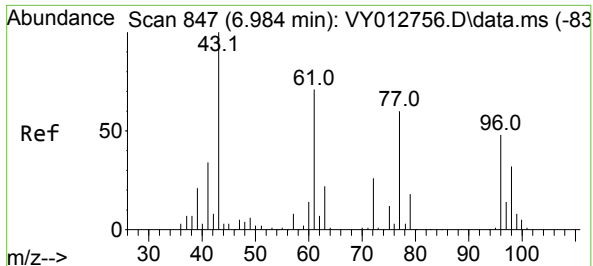
Tgt Ion: 43 Resp: 2981  
Ion Ratio Lower Upper  
43 100  
58 29.9 24.2 36.2



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

Tgt Ion: 84 Resp: 6126  
Ion Ratio Lower Upper  
84 100  
49 129.4 102.6 154.0  
51 38.2 31.9 47.9  
86 60.7 51.0 76.6





#25

2-Butanone

Concen: 1.328 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012775.D

Acq: 02 Mar 2023 21:32

Instrument :

MSVOA\_Y

ClientSampleId :

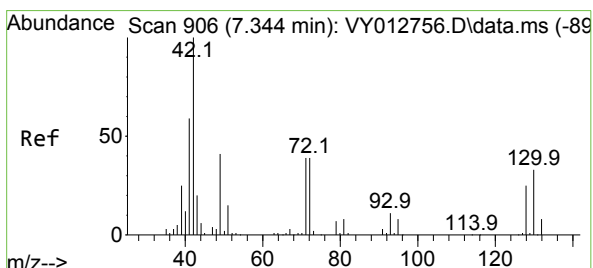
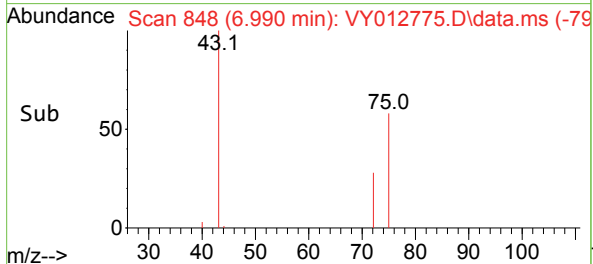
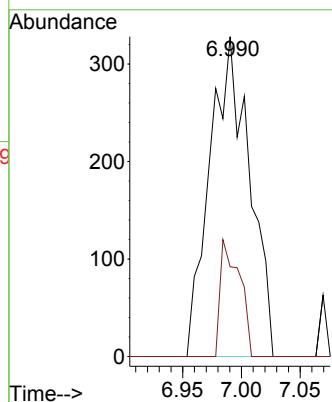
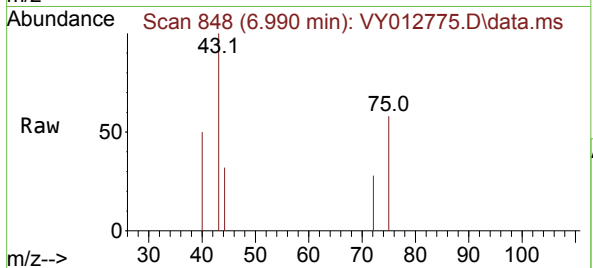
CE-45-030123

Tgt Ion: 43 Resp: 769

Ion Ratio Lower Upper

43 100

72 28.0 21.0 31.4



#29

Tetrahydrofuran

Concen: 1.761 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY012775.D

Acq: 02 Mar 2023 21:32

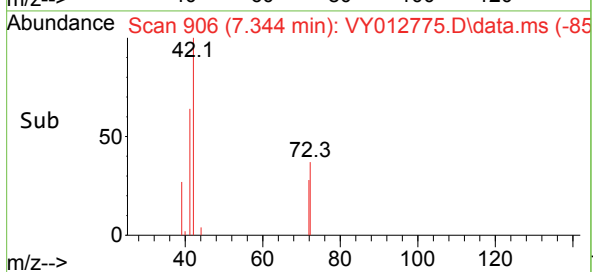
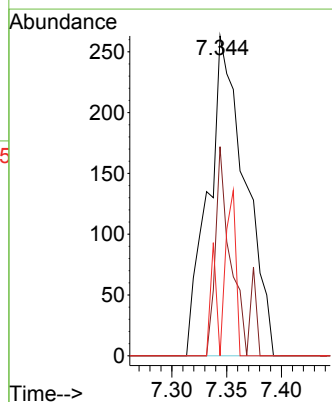
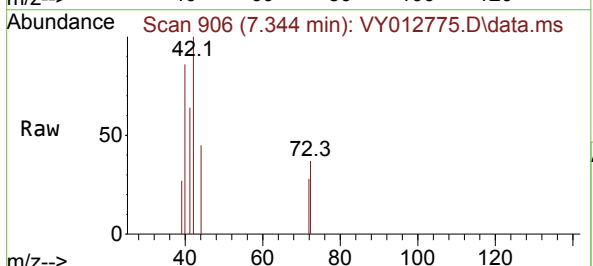
Tgt Ion: 42 Resp: 615

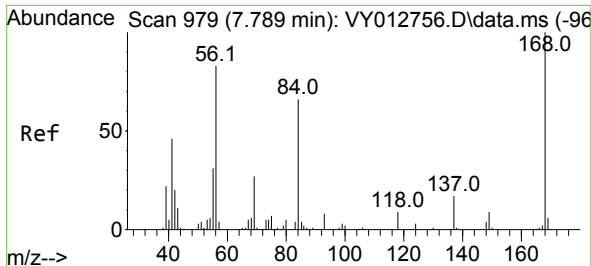
Ion Ratio Lower Upper

42 100

72 26.2 32.3 48.5#

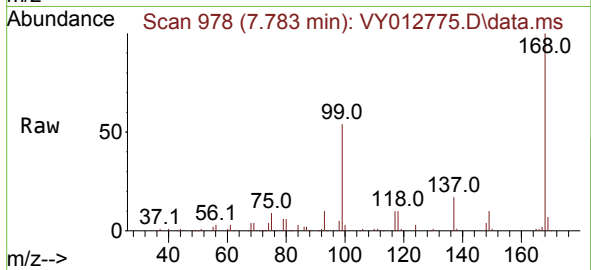
71 19.8 30.3 45.5#



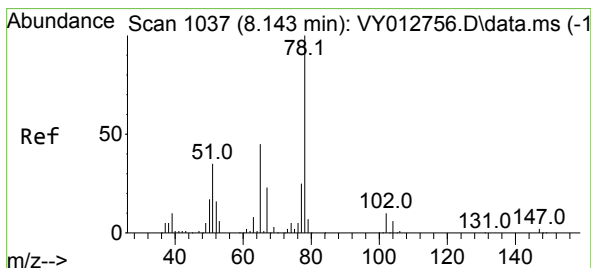
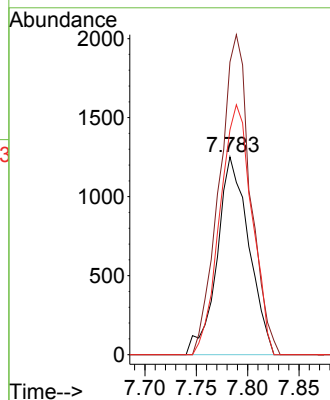
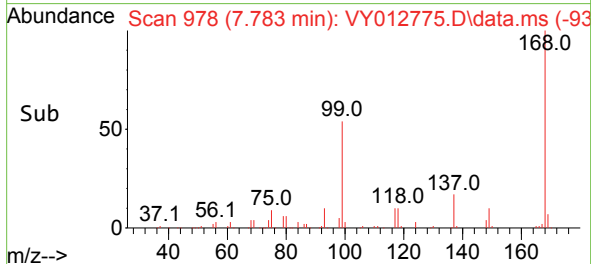


#31  
Cyclohexane  
Concen: 1.175 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CE-45-030123

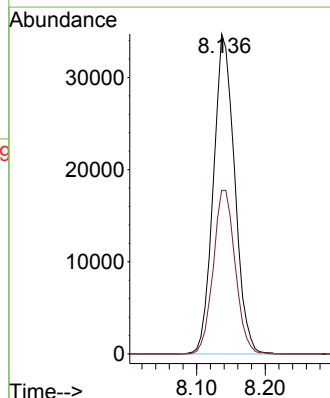
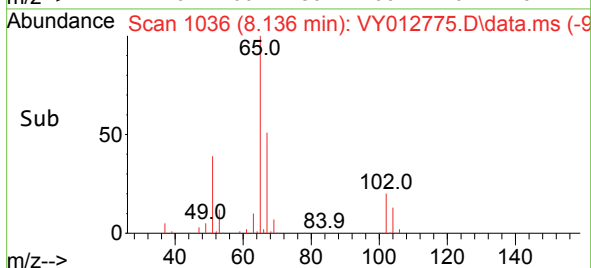
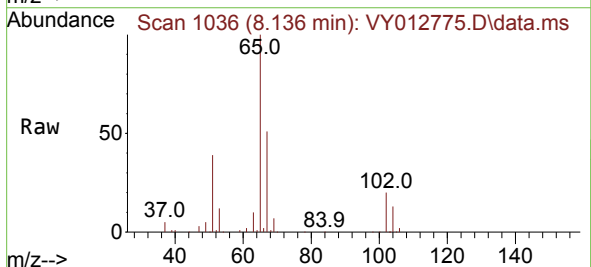


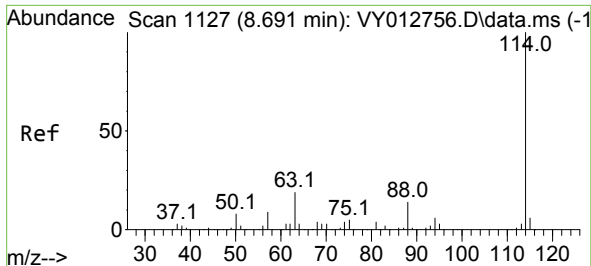
Tgt Ion: 56 Resp: 2681  
Ion Ratio Lower Upper  
56 100  
69 148.0 25.7 38.5#  
84 113.7 64.3 96.5#



#33  
1,2-Dichloroethane-d4  
Concen: 62.714 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

Tgt Ion: 65 Resp: 74716  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 104.0

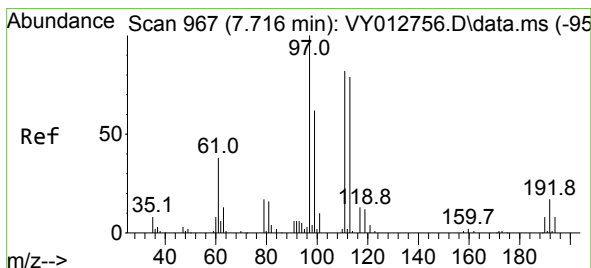
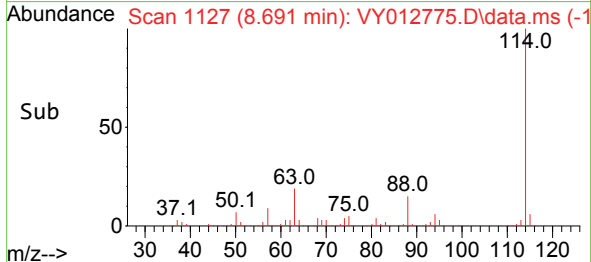
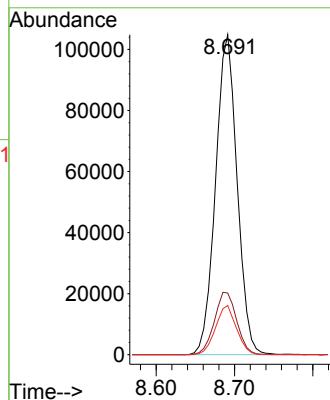
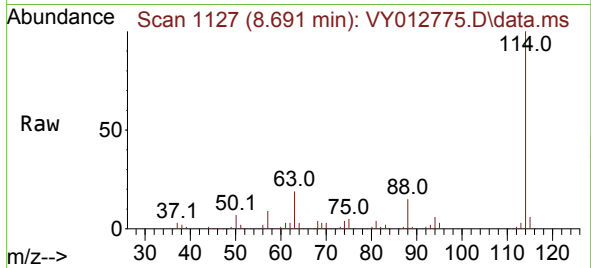




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

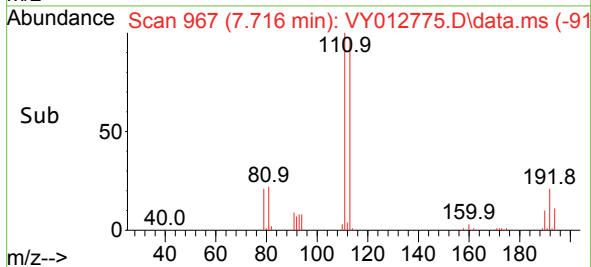
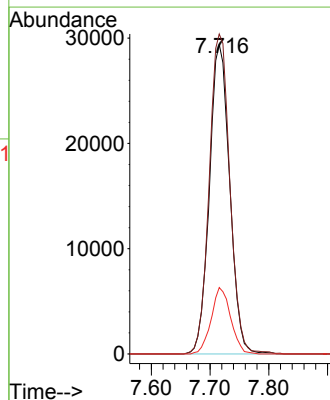
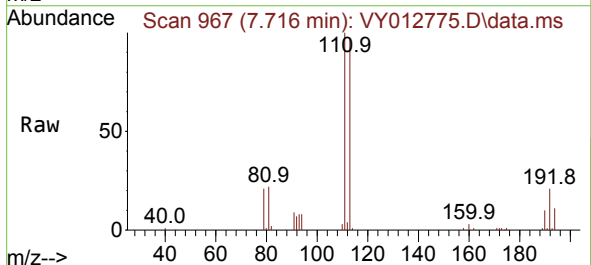
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CE-45-030123

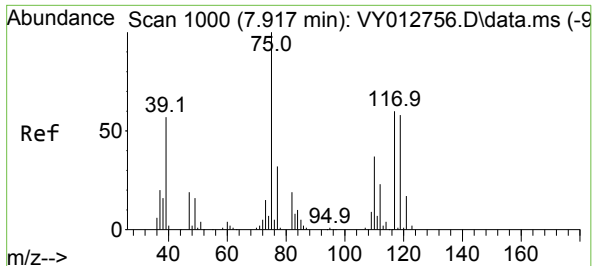
Tgt Ion:114 Resp: 200521  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 37.4  
88 15.4 0.0 28.6



#35  
Dibromofluoromethane  
Concen: 58.330 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

Tgt Ion:113 Resp: 70587  
Ion Ratio Lower Upper  
113 100  
111 104.8 82.2 123.2  
192 20.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012775.D

Acq: 02 Mar 2023 21:32

Instrument :

MSVOA\_Y

ClientSampleId :

CE-45-030123

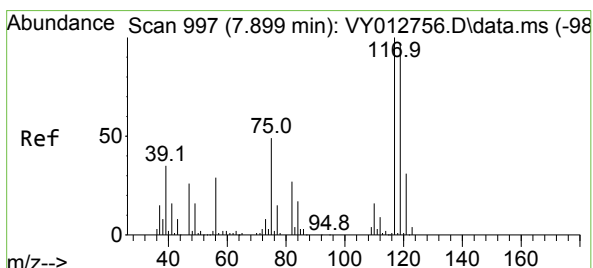
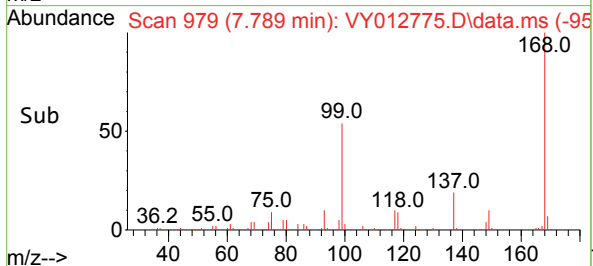
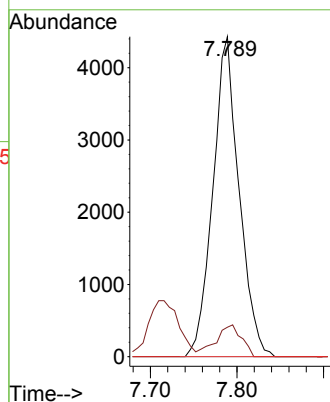
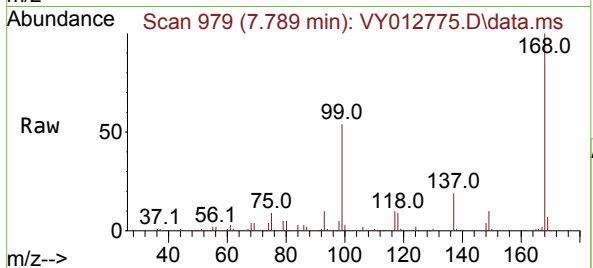
Tgt Ion: 75 Resp: 9285

Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.481 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012775.D

Acq: 02 Mar 2023 21:32

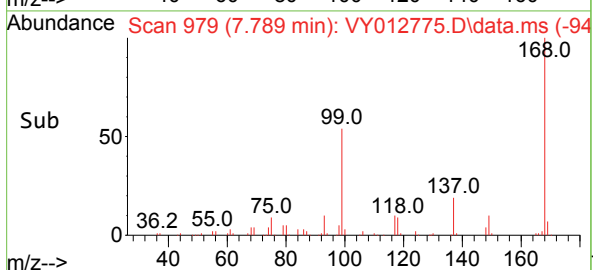
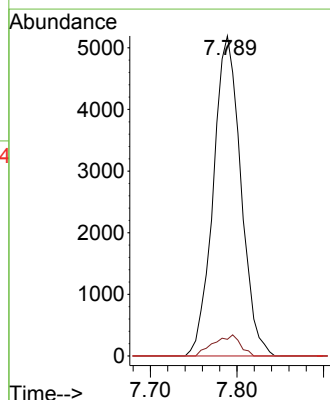
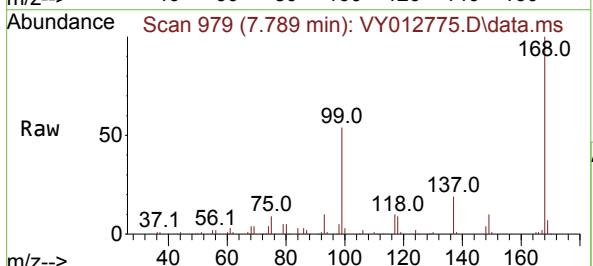
Tgt Ion: 117 Resp: 11478

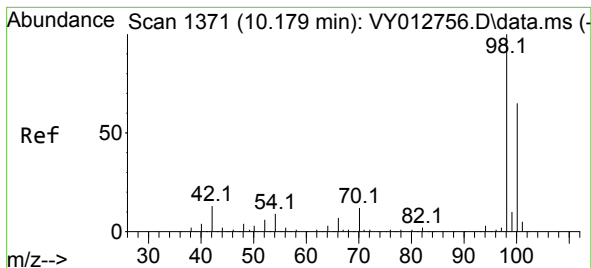
Ion Ratio Lower Upper

117 100

119 5.2 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 49.105 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012775.D

Acq: 02 Mar 2023 21:32

Instrument :

MSVOA\_Y

ClientSampleId :

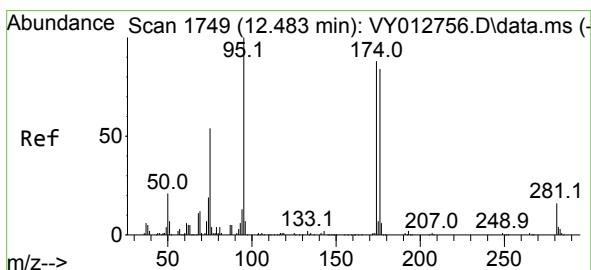
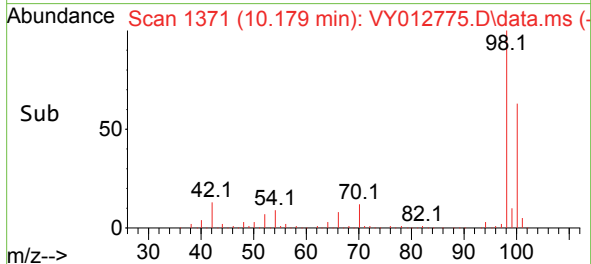
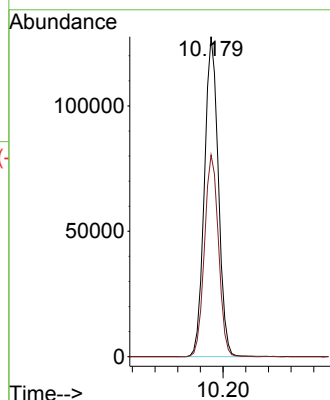
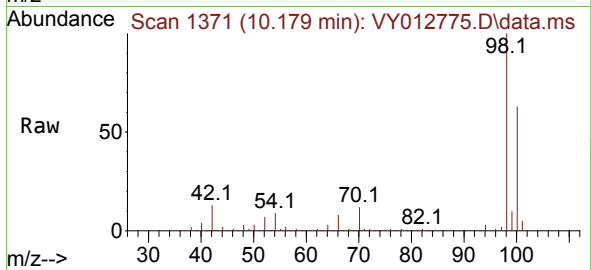
CE-45-030123

Tgt Ion: 98 Resp: 217243

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 43.656 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012775.D

Acq: 02 Mar 2023 21:32

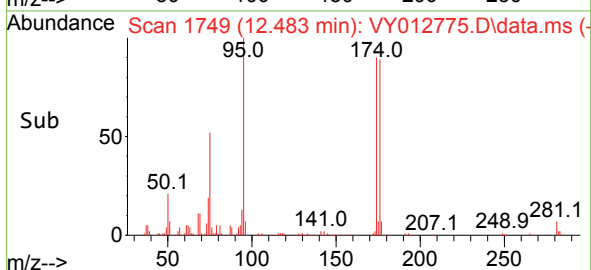
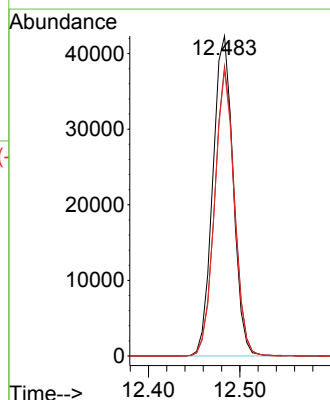
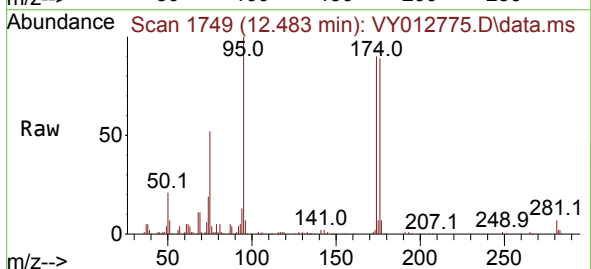
Tgt Ion: 95 Resp: 65188

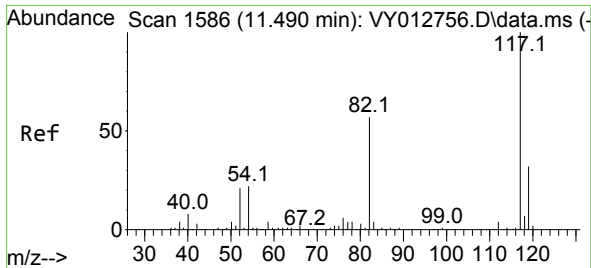
Ion Ratio Lower Upper

95 100

174 88.4 0.0 176.6

176 86.5 0.0 170.2

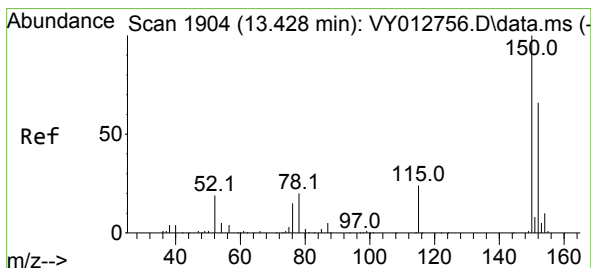
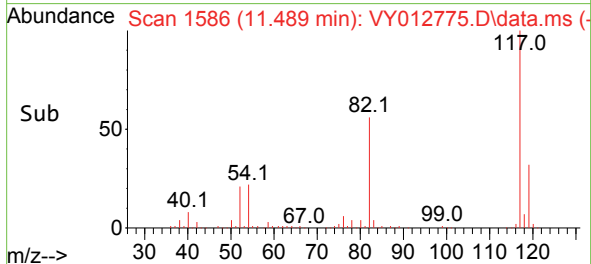
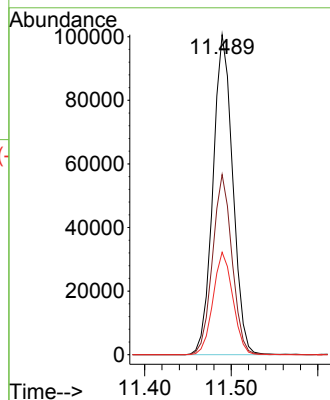
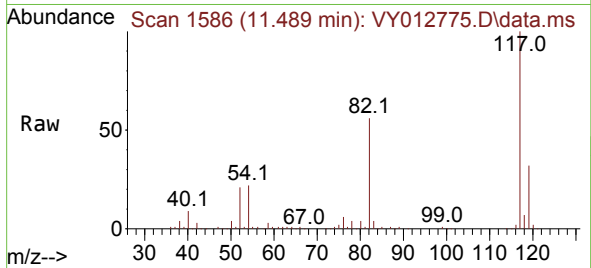




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

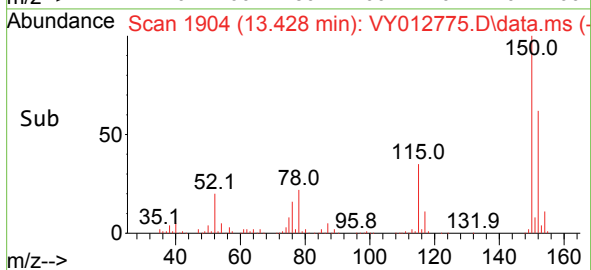
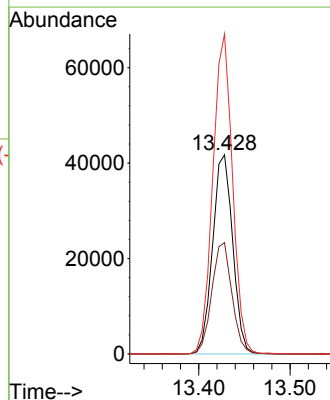
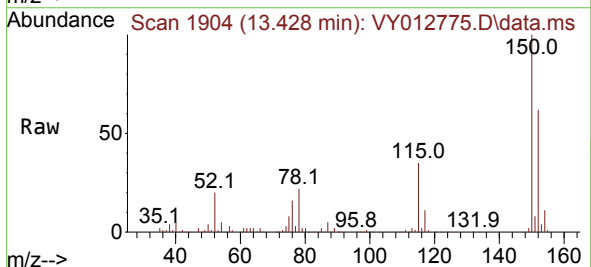
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CE-45-030123

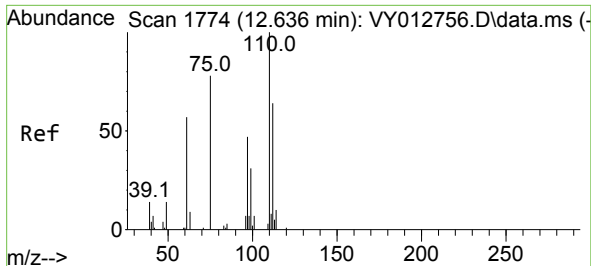
Tgt Ion:117 Resp: 159748  
Ion Ratio Lower Upper  
117 100  
82 56.3 45.4 68.0  
119 32.0 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

Tgt Ion:152 Resp: 63712  
Ion Ratio Lower Upper  
152 100  
115 56.2 27.1 81.3  
150 157.6 0.0 347.8

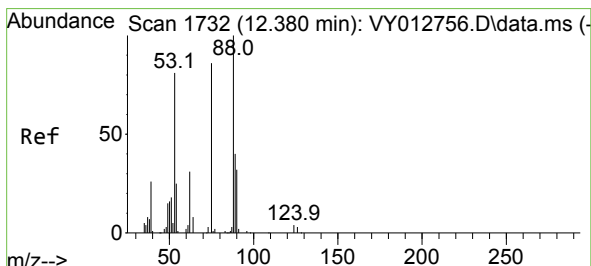
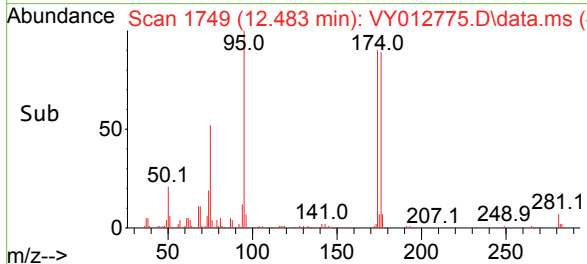
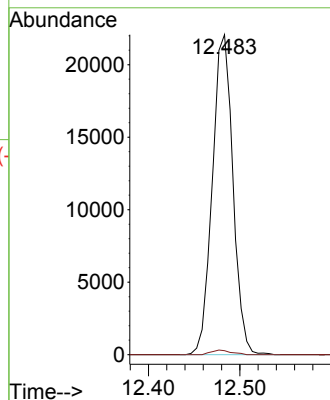
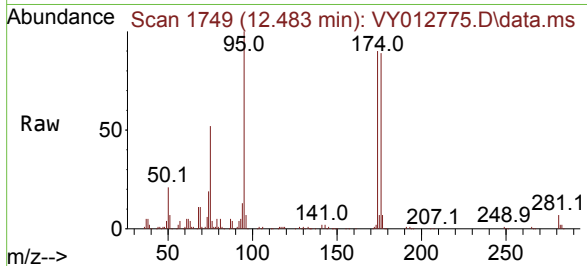




#76  
1,2,3-Trichloropropane  
Concen: 45.318 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CE-45-030123

Tgt Ion: 75 Resp: 34479  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.900 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY012775.D  
Acq: 02 Mar 2023 21:32

Tgt Ion: 75 Resp: 34479  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.4 110.0#  
89 0.1 36.6 55.0#

