

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012323\  
 Data File : VY012317.D  
 Acq On : 23 Jan 2023 16:34  
 Operator : KP/MD  
 Sample : 01244-02  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 24 01:29:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

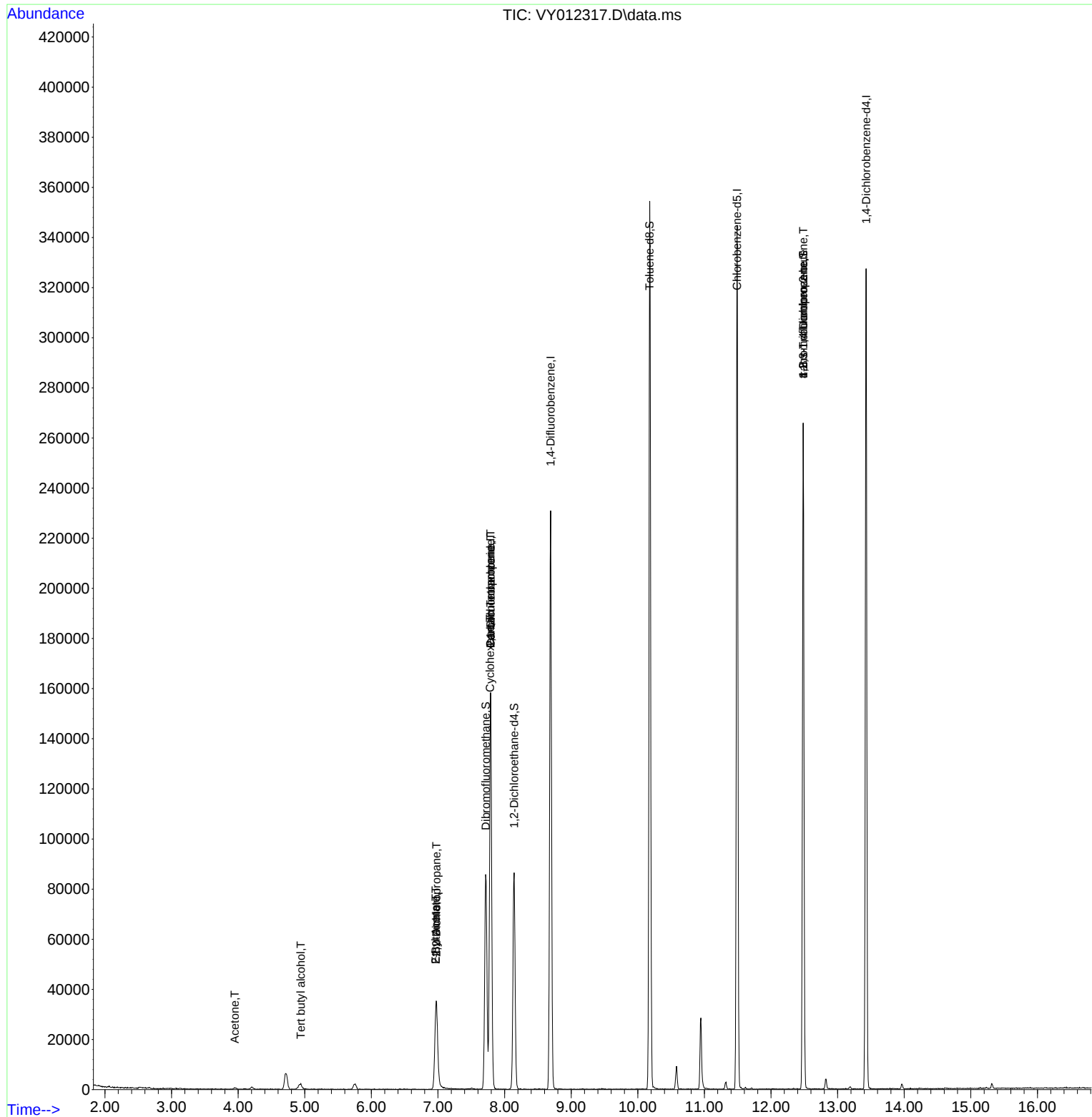
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 122311   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 199261   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 190094   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 87790    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 72635    | 73.492    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 146.980% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 58694    | 55.630    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 111.260% |          |
| 50) Toluene-d8                | 10.179 | 98    | 237460   | 66.375    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 132.760% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 76165    | 51.209    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 102.420% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.942  | 59    | 2446     | 8.434     | ug/l #     | 74       |
| 16) Acetone                   | 3.948  | 43    | 1111     | 3.262     | ug/l #     | 74       |
| 20) Methylene Chloride        | 4.722  | 84    | 5537     | Below Cal |            | 85       |
| 25) 2-Butanone                | 6.966  | 43    | 1612     | 4.287     | ug/l #     | 69       |
| 26) 2,2-Dichloropropane       | 6.978  | 77    | 2856     | 1.370     | ug/l #     | 53       |
| 31) Cyclohexane               | 7.783  | 56    | 2349     | 1.317     | ug/l #     | 16       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 8546     | 4.766     | ug/l #     | 51       |
| 37) Ethyl Acetate             | 6.966  | 43    | 1612     | 2.039     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 12100    | 5.225     | ug/l #     | 19       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 40868    | 50.626    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 40868    | 104.311   | ug/l #     | 13       |
| -----                         |        |       |          |           |            |          |

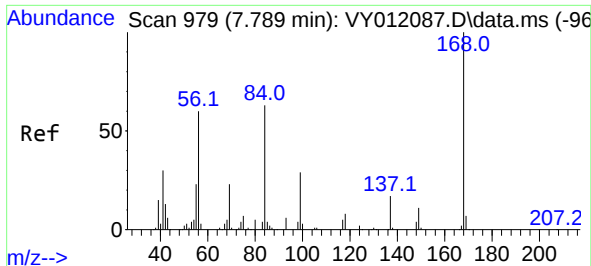
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012323\  
Data File : VY012317.D  
Acq On : 23 Jan 2023 16:34  
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Sample : 01244-02  
Misc : 5.09g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

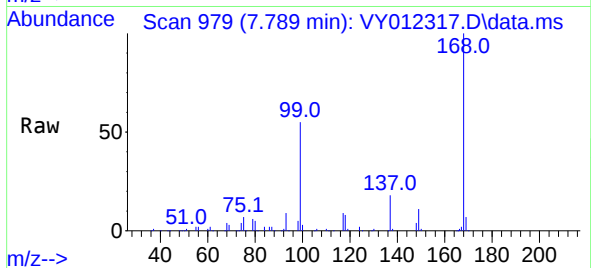
Quant Time: Jan 24 01:29:19 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration



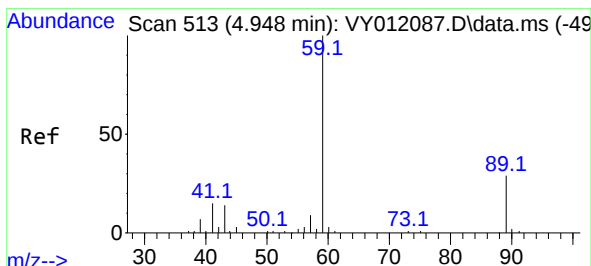
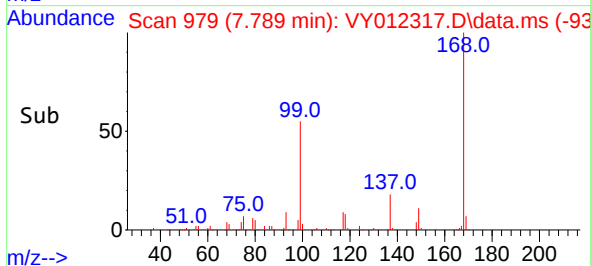
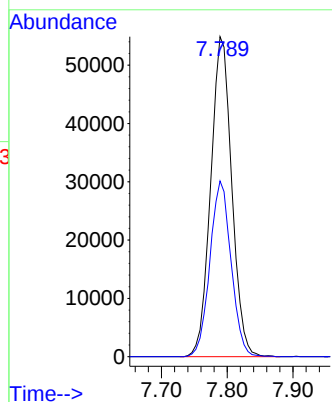


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

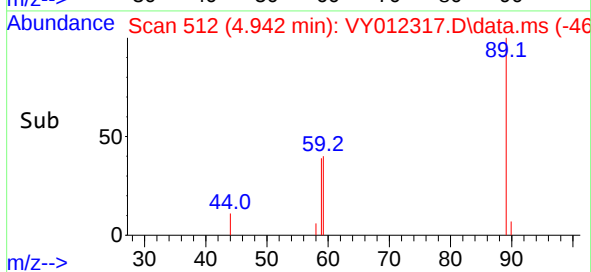
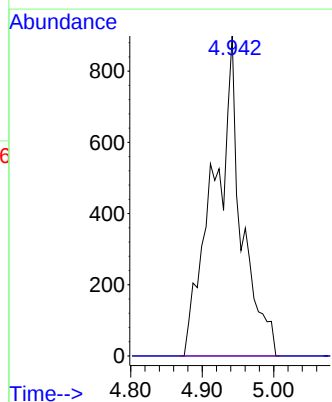
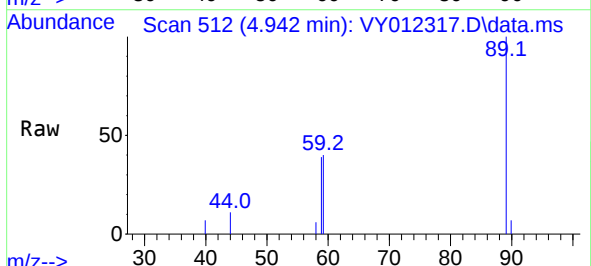


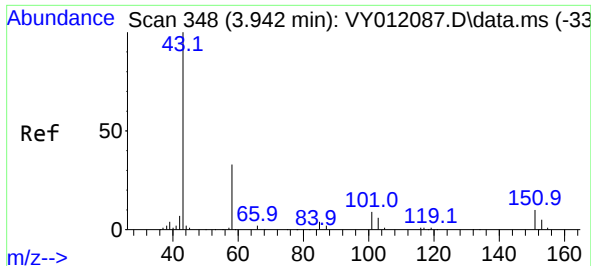
Tgt Ion:168 Resp: 122311  
Ion Ratio Lower Upper  
168 100  
99 54.9 44.0 66.0



#11  
Tert butyl alcohol  
Concen: 8.434 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.006 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

Tgt Ion: 59 Resp: 2446  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

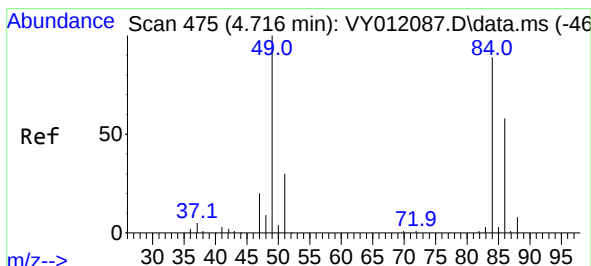
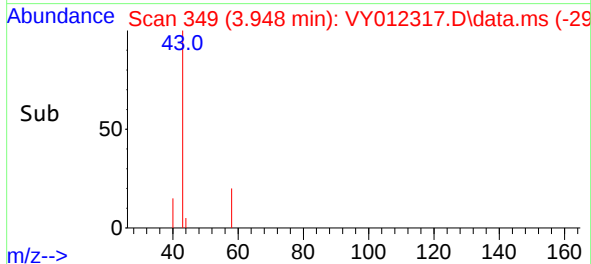
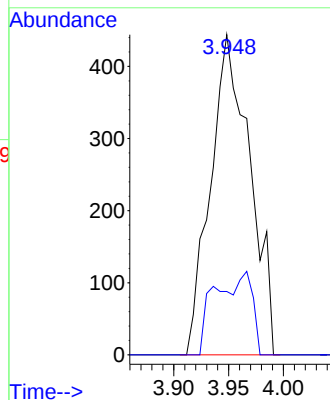
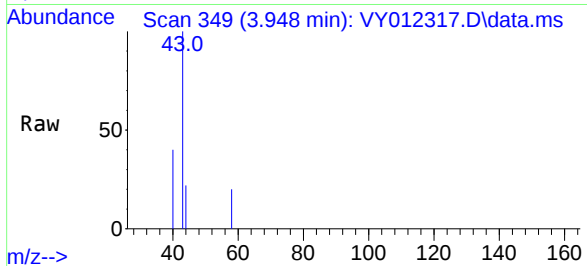




#16  
Acetone  
Concen: 3.262 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

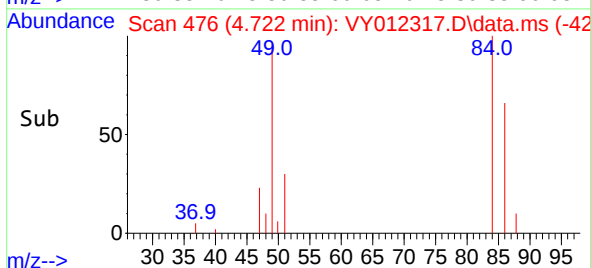
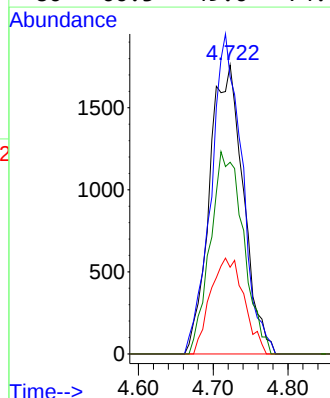
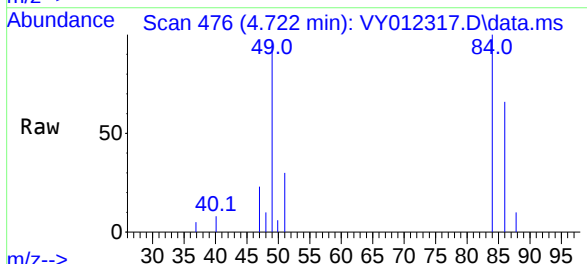
Instrument :  
MSVOA\_Y  
ClientSampleId :

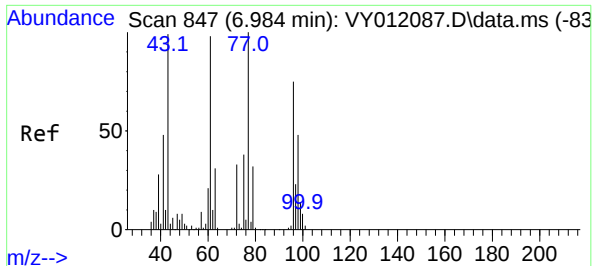
Tgt Ion: 43 Resp: 1111  
Ion Ratio Lower Upper  
43 100  
58 19.8 27.9 41.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

Tgt Ion: 84 Resp: 5537  
Ion Ratio Lower Upper  
84 100  
49 95.9 95.4 143.2  
51 30.0 29.9 44.9  
86 66.3 49.6 74.4





#25

2-Butanone

Concen: 4.287 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY012317.D

Acq: 23 Jan 2023 16:34

Instrument :

MSVOA\_Y

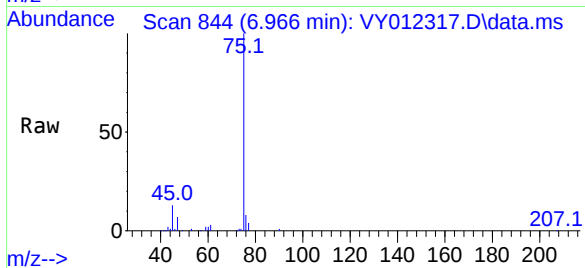
ClientSampleId :

Tgt Ion: 43 Resp: 1612

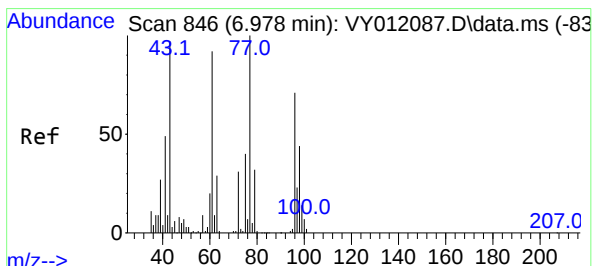
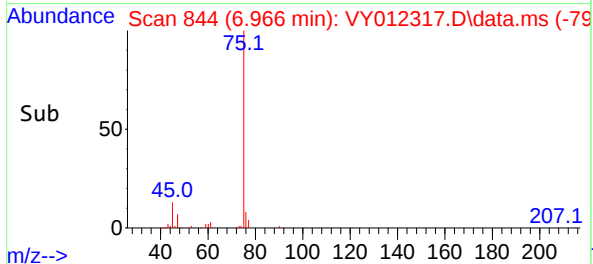
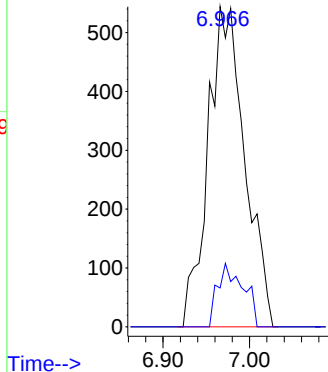
Ion Ratio Lower Upper

43 100

72 12.1 22.6 34.0#



Abundance



#26

2,2-Dichloropropane

Concen: 1.370 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY012317.D

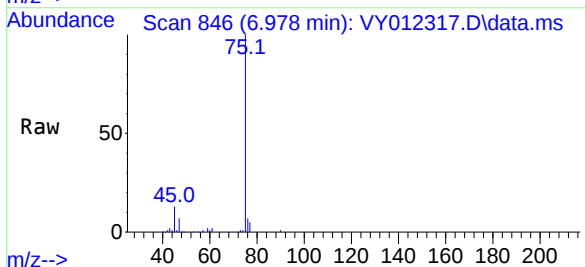
Acq: 23 Jan 2023 16:34

Tgt Ion: 77 Resp: 2856

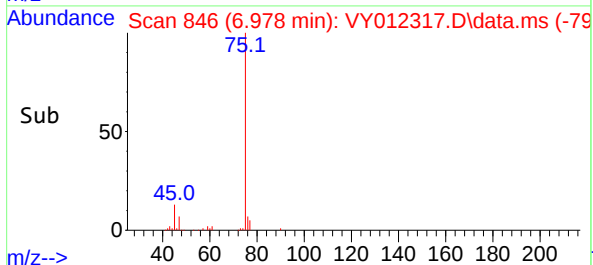
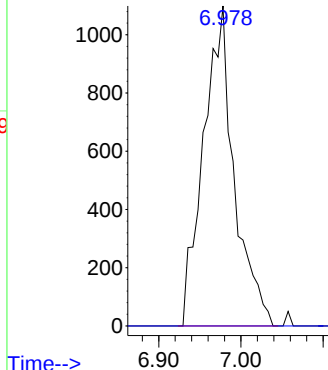
Ion Ratio Lower Upper

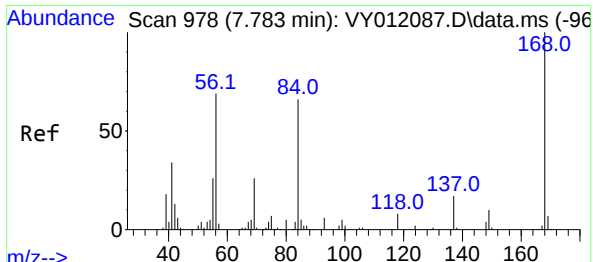
77 100

97 0.0 11.4 34.1#



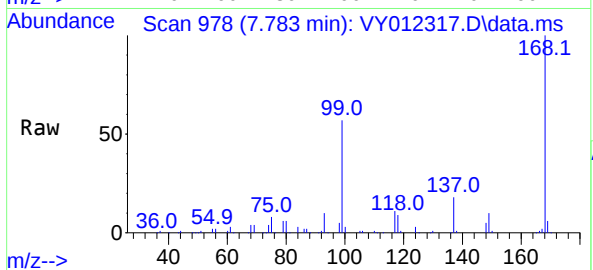
Abundance



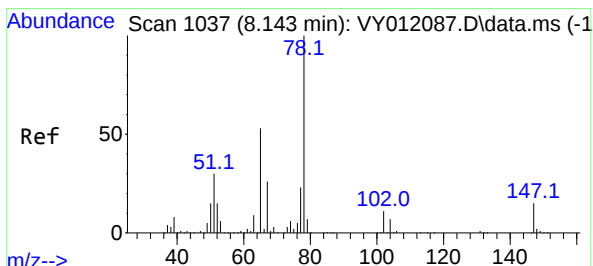
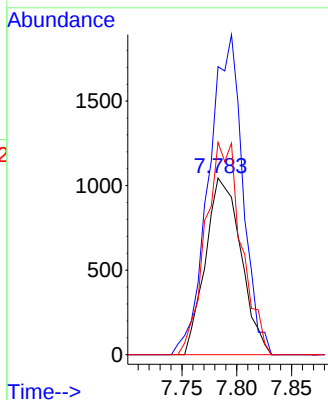
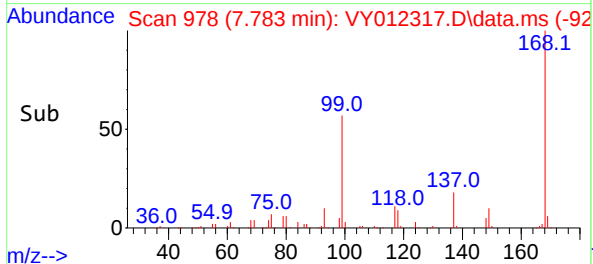


#31  
Cyclohexane  
Concen: 1.317 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

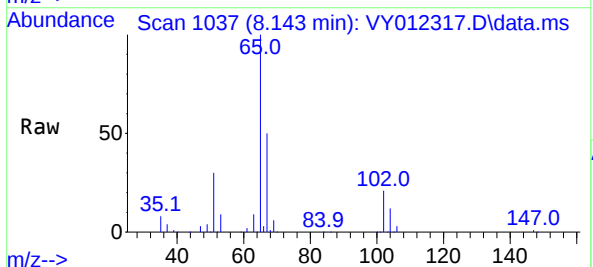
Instrument :  
MSVOA\_Y  
ClientSampleId :



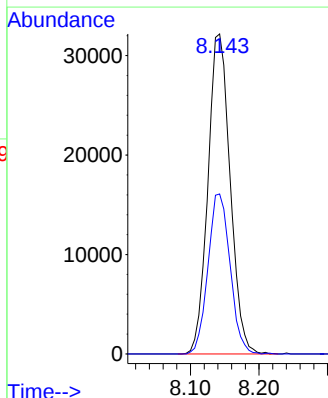
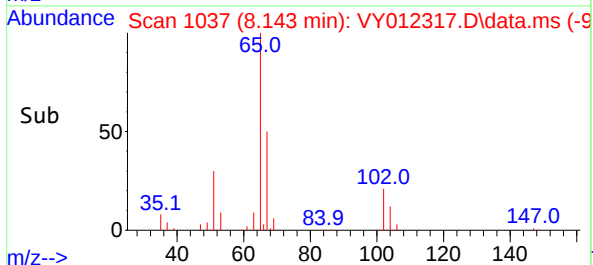
Tgt Ion: 56 Resp: 2349  
Ion Ratio Lower Upper  
56 100  
69 163.1 29.2 43.8#  
84 120.2 72.6 108.8#

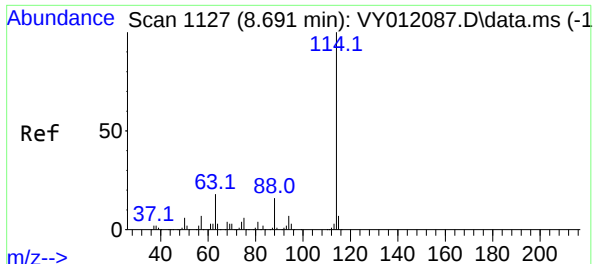


#33  
1,2-Dichloroethane-d4  
Concen: 73.492 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34



Tgt Ion: 65 Resp: 72635  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012317.D

Acq: 23 Jan 2023 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

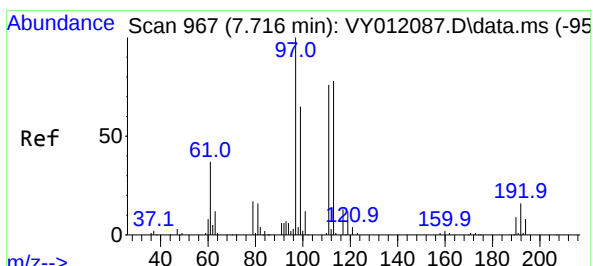
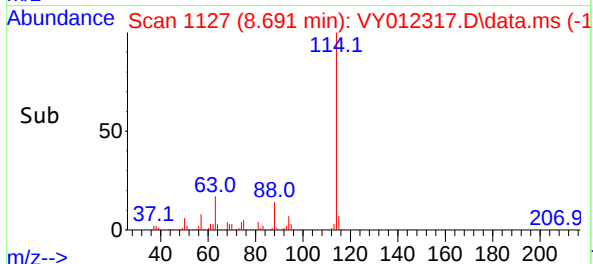
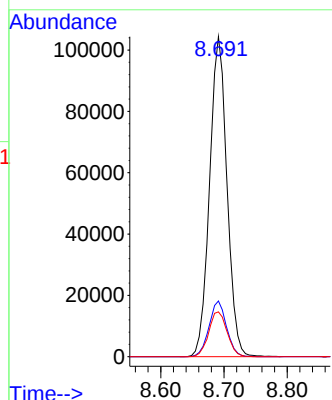
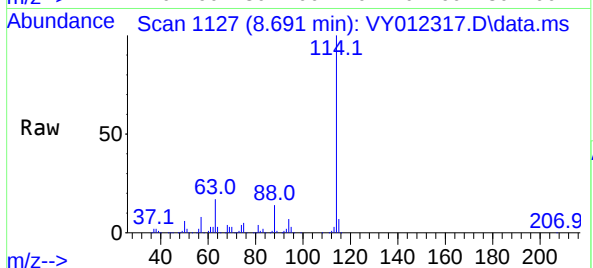
Tgt Ion:114 Resp: 199261

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.6

88 14.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 55.630 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012317.D

Acq: 23 Jan 2023 16:34

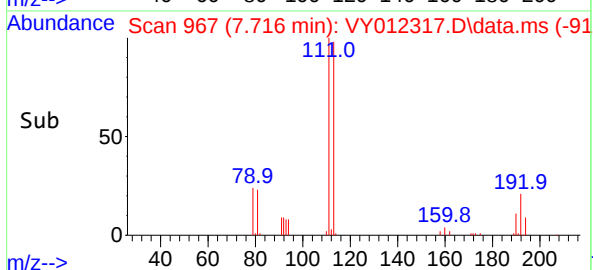
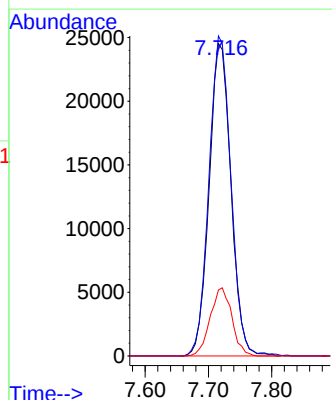
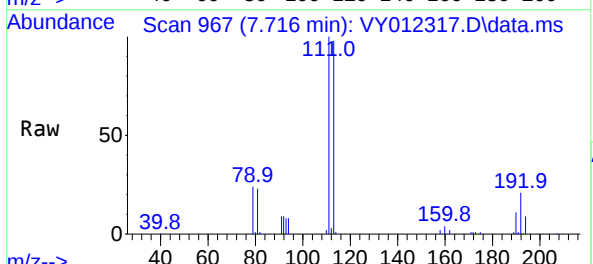
Tgt Ion:113 Resp: 58694

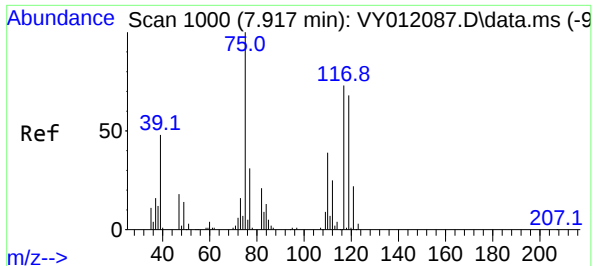
Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

192 21.7 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.766 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012317.D

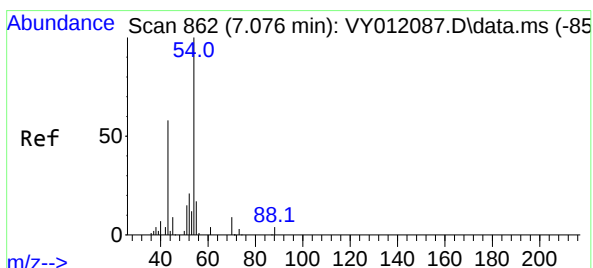
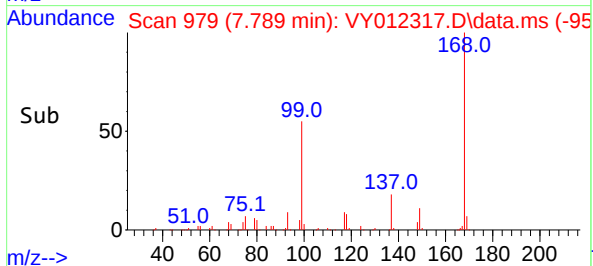
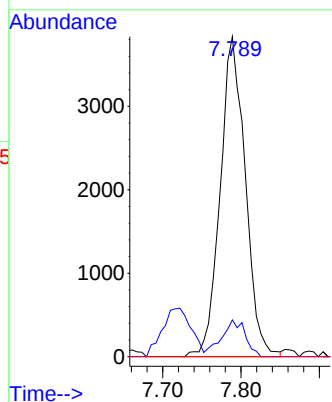
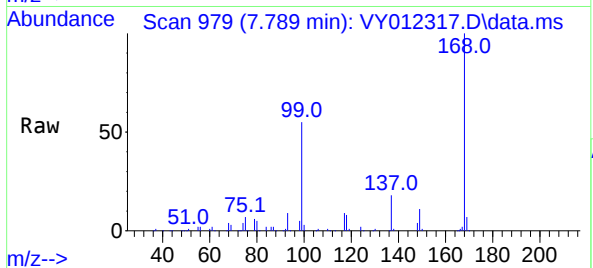
Acq: 23 Jan 2023 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                 |
|-------------|-----------------|
| Tgt Ion: 75 | Resp: 8546      |
| Ion Ratio   | Lower Upper     |
| 75          | 100             |
| 110         | 10.9 18.1 54.1# |
| 77          | 0.0 25.1 37.7#  |



#37

Ethyl Acetate

Concen: 2.039 ug/l

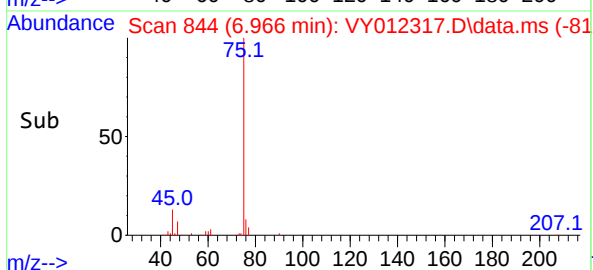
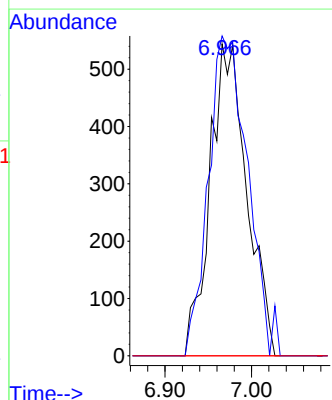
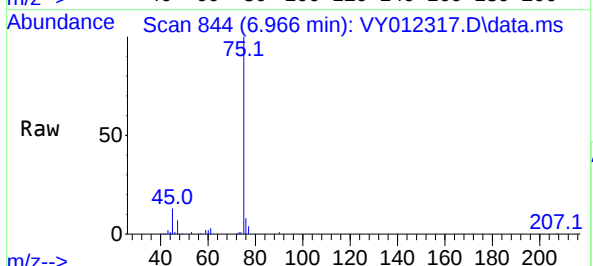
RT: 6.966 min Scan# 844

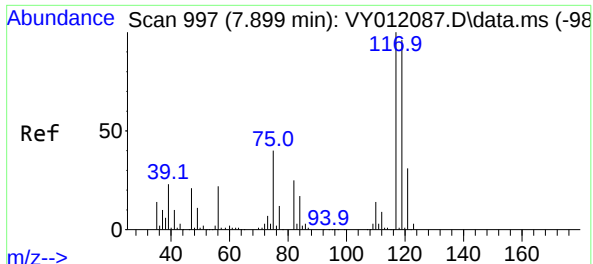
Delta R.T. -0.110 min

Lab File: VY012317.D

Acq: 23 Jan 2023 16:34

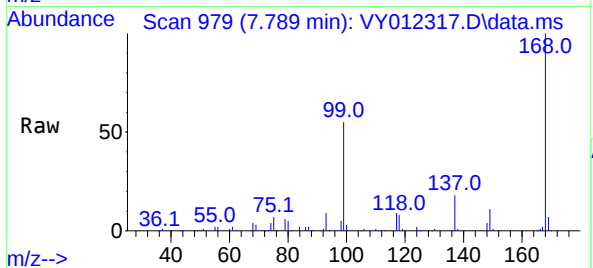
|             |                  |
|-------------|------------------|
| Tgt Ion: 43 | Resp: 1612       |
| Ion Ratio   | Lower Upper      |
| 43          | 100              |
| 61          | 109.1 11.3 16.9# |
| 70          | 0.0 8.2 12.4#    |



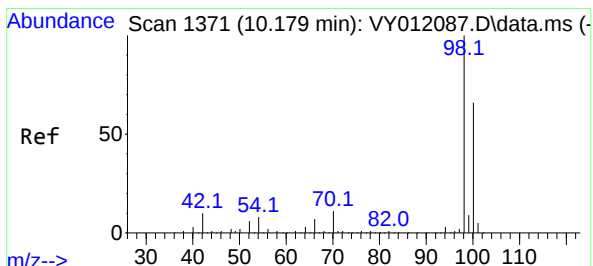
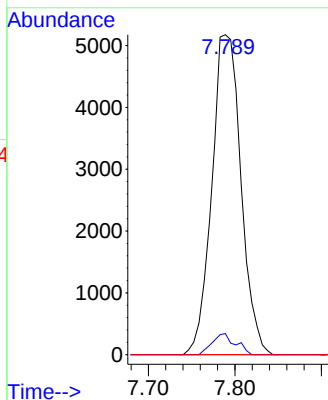
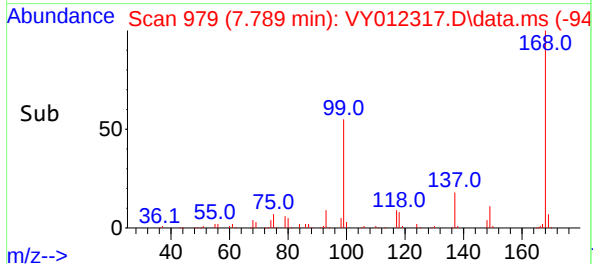


#38  
Carbon Tetrachloride  
Concen: 5.225 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

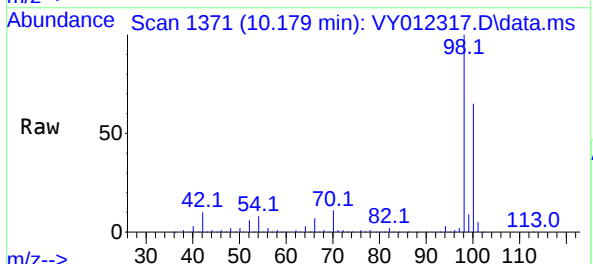
Instrument :  
MSVOA\_Y  
ClientSampleId :



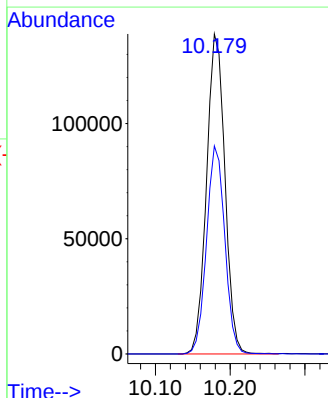
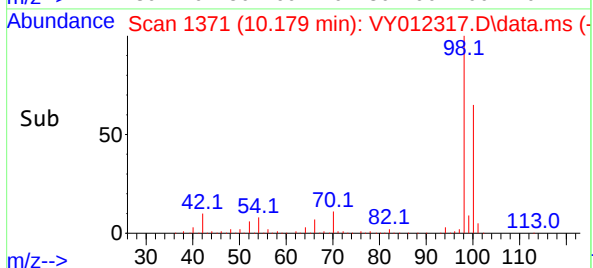
Tgt Ion:117 Resp: 12100  
Ion Ratio Lower Upper  
117 100  
119 6.6 73.8 110.8#  
121 0.0 25.2 37.8#

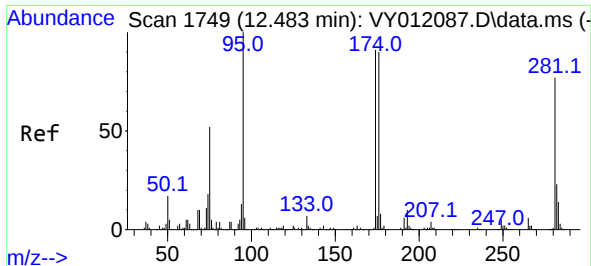


#50  
Toluene-d8  
Concen: 66.375 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34



Tgt Ion: 98 Resp: 237460  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9

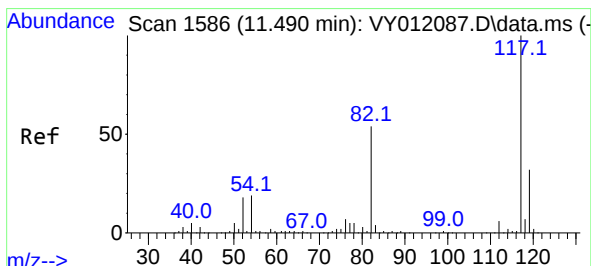
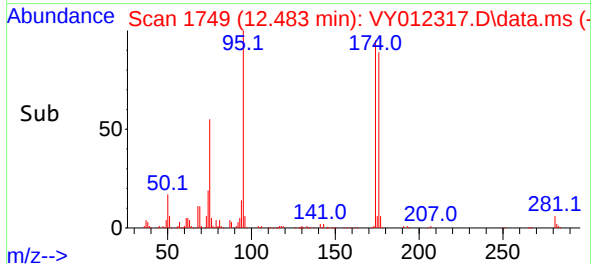
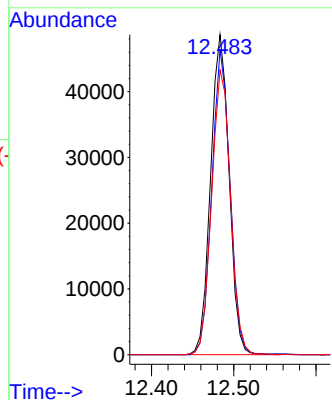
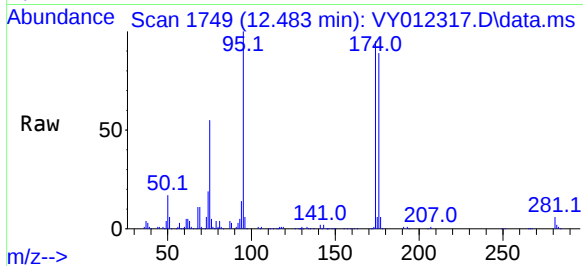




#62  
4-Bromofluorobenzene  
Concen: 51.209 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

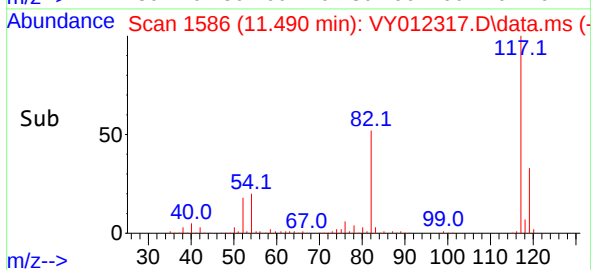
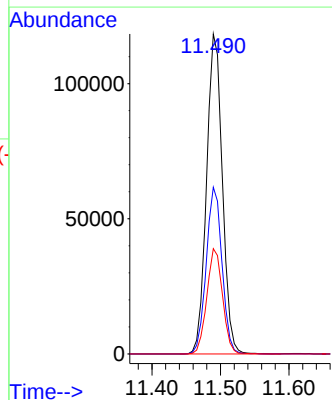
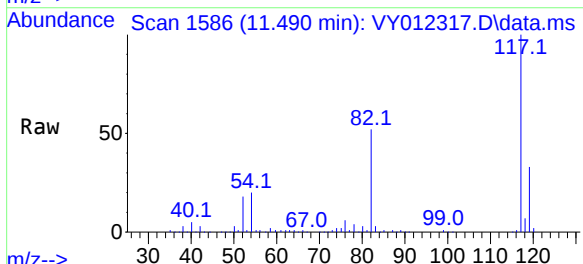
Instrument :  
MSVOA\_Y  
ClientSampleId :

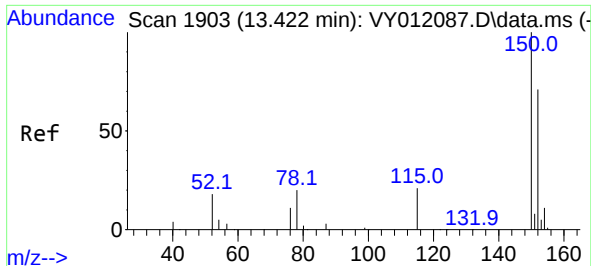
Tgt Ion: 95 Resp: 76165  
Ion Ratio Lower Upper  
95 100  
174 93.7 0.0 172.0  
176 90.6 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

Tgt Ion: 117 Resp: 190094  
Ion Ratio Lower Upper  
117 100  
82 52.1 44.8 67.2  
119 32.9 25.4 38.2

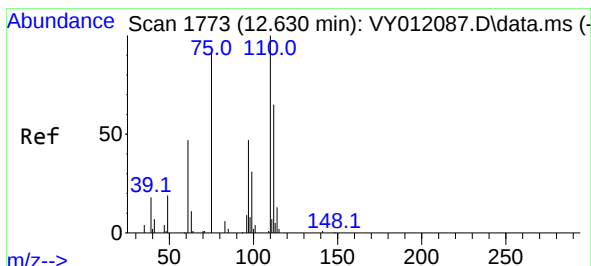
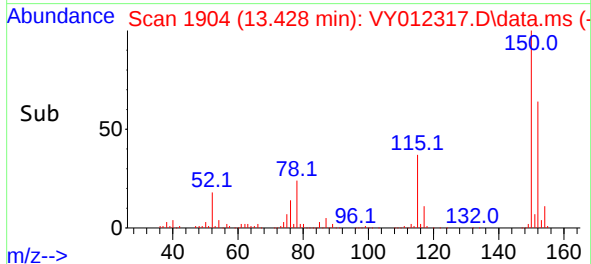
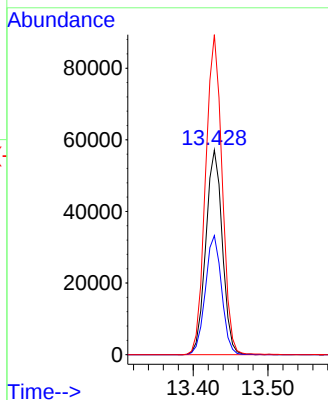
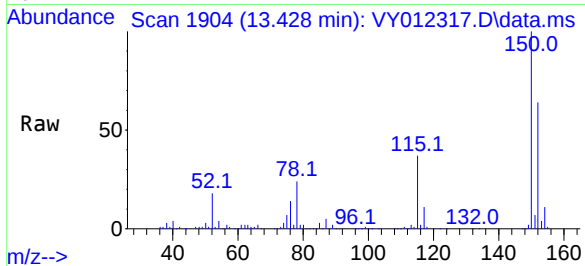




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

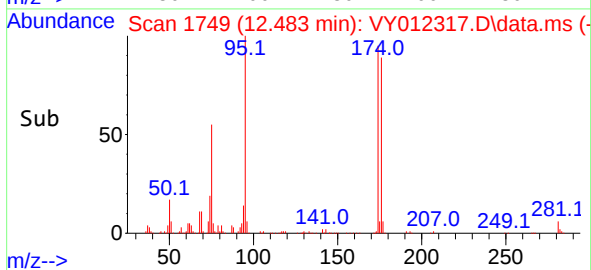
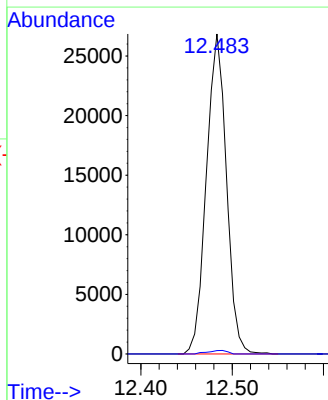
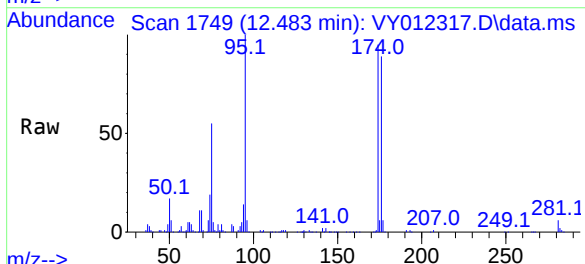
Instrument :  
MSVOA\_Y  
ClientSampleId :

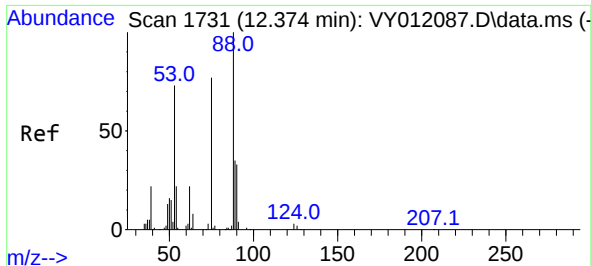
Tgt Ion:152 Resp: 87790  
Ion Ratio Lower Upper  
152 100  
115 57.4 29.1 87.3  
150 156.6 0.0 342.6



#76  
1,2,3-Trichloropropane  
Concen: 50.626 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY012317.D  
Acq: 23 Jan 2023 16:34

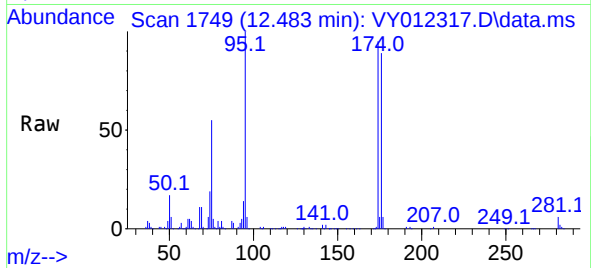
Tgt Ion: 75 Resp: 40868  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 104.311 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.109 min  
 Lab File: VY012317.D  
 Acq: 23 Jan 2023 16:34

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 40868  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.5 108.7#  
 89 0.0 37.0 55.4#

