

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122322\  
 Data File : VY012001.D  
 Acq On : 23 Dec 2022 16:35  
 Operator : KP/MD  
 Sample : N6178-03  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 23 22:26:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 20 12:37:37 2022  
 Response via : Initial Calibration

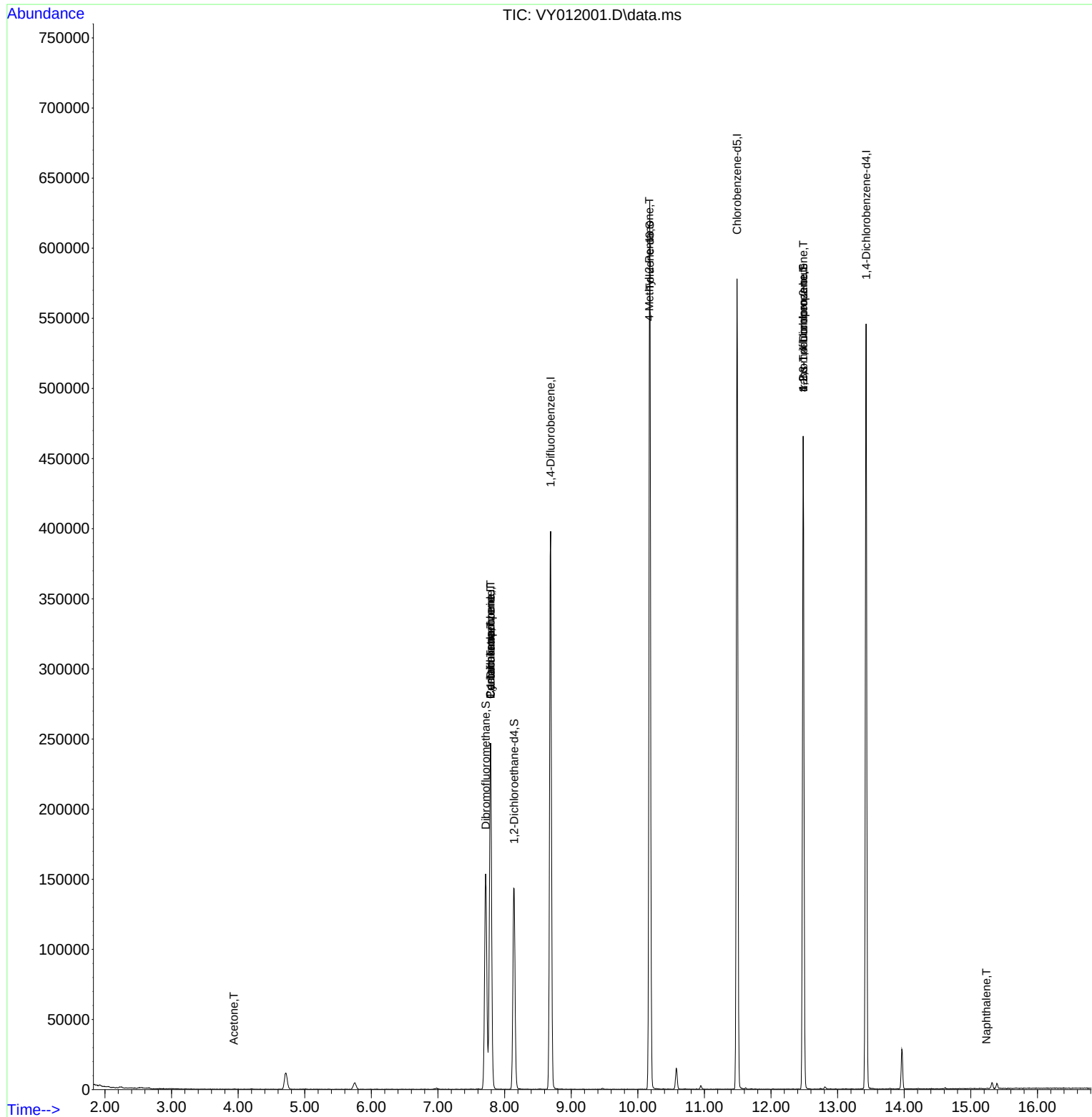
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 193704   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 341370   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 319017   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 141134   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 119056   | 61.007    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 122.020% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 105818   | 51.489    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 102.980% |          |
| 50) Toluene-d8                | 10.179 | 98    | 416013   | 49.892    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 99.780%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 129783   | 46.280    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 92.560%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.966  | 59    | 43       | Below Cal | #          | 74       |
| 16) Acetone                   | 3.936  | 43    | 109      | 5.058     | ug/l #     | 40       |
| 20) Methylene Chloride        | 4.722  | 84    | 9243     | Below Cal |            | 93       |
| 31) Cyclohexane               | 7.789  | 56    | 3668     | 1.116     | ug/l #     | 25       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 13983    | 4.242     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 18805    | 4.939     | ug/l #     | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.173 | 43    | 1541     | 1.070     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 68492    | 39.001    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 68492    | 106.803   | ug/l #     | 13       |
| 95) Naphthalene               | 15.233 | 128   | 318      | 2.836     | ug/l #     | 69       |
| -----                         |        |       |          |           |            |          |

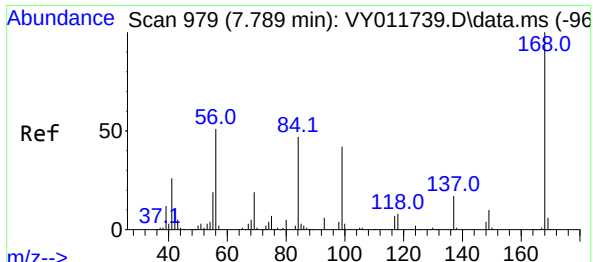
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N6178-03  
Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

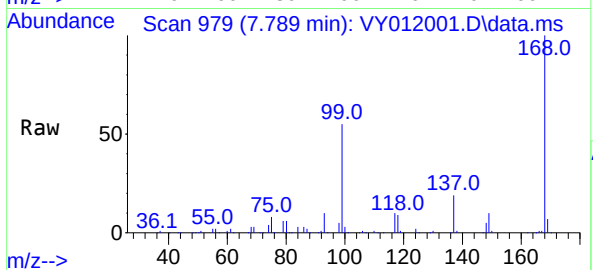
Quant Time: Dec 23 22:26:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 20 12:37:37 2022  
Response via : Initial Calibration



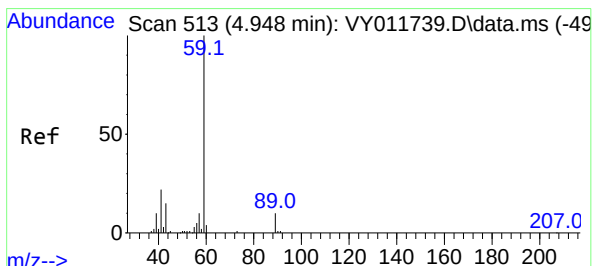
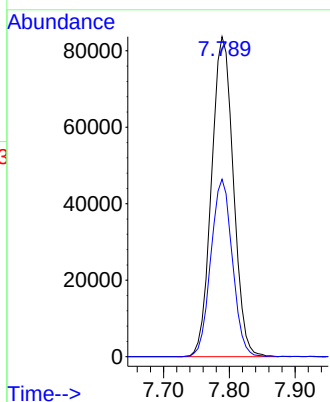
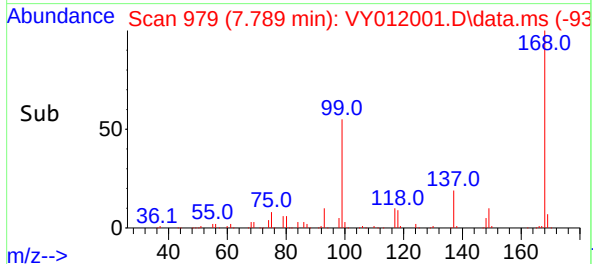


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

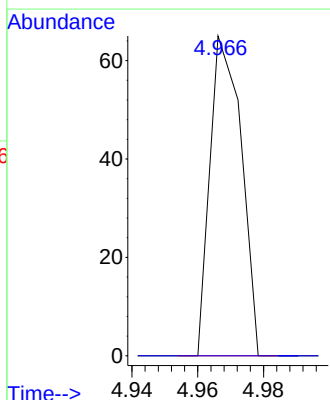
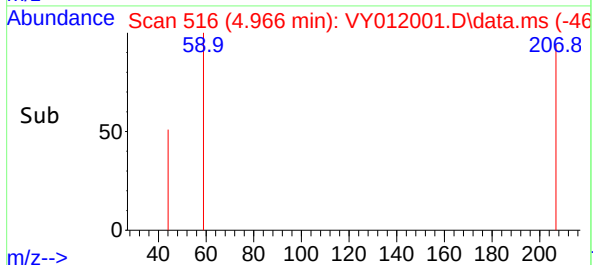
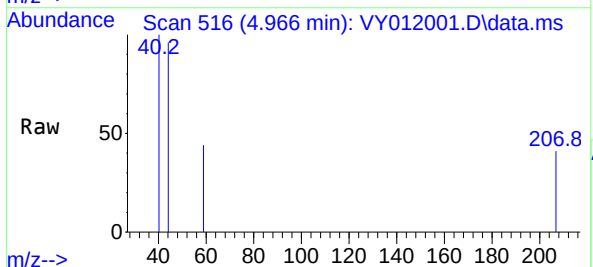


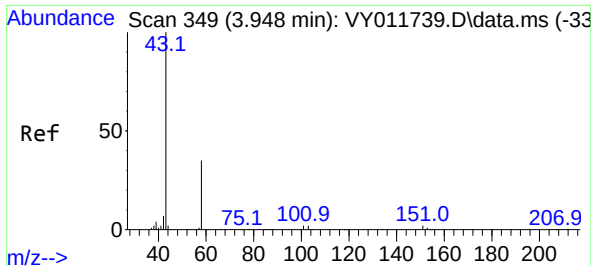
Tgt Ion:168 Resp: 193704  
Ion Ratio Lower Upper  
168 100  
99 55.5 44.0 66.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.966 min Scan# 516  
Delta R.T. 0.018 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Tgt Ion: 59 Resp: 43  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

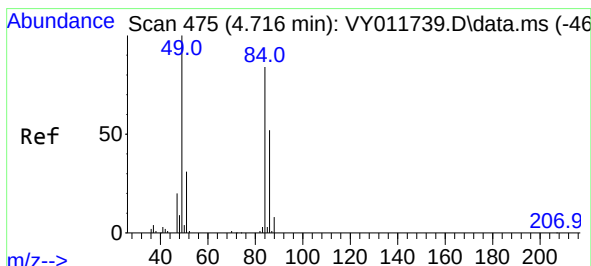
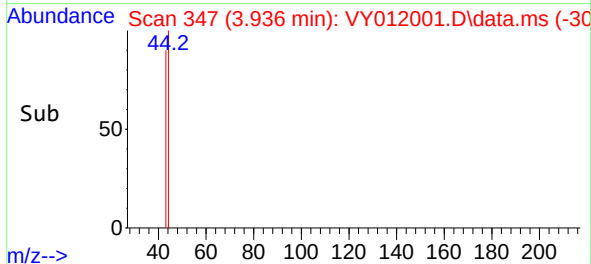
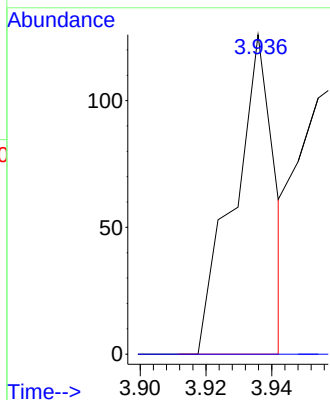
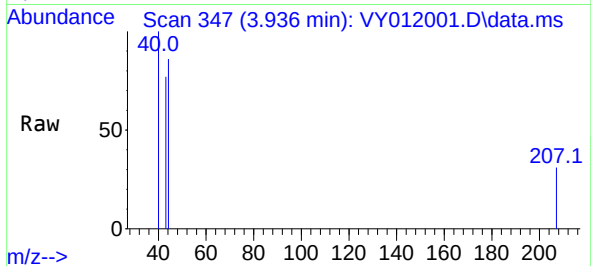




#16  
Acetone  
Concen: 5.058 ug/l  
RT: 3.936 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

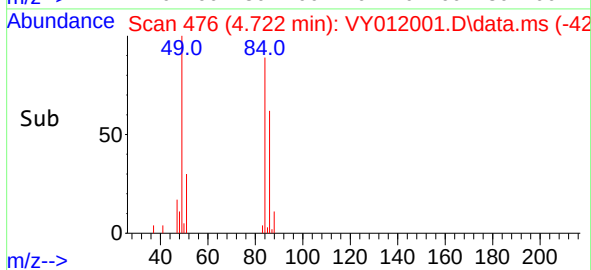
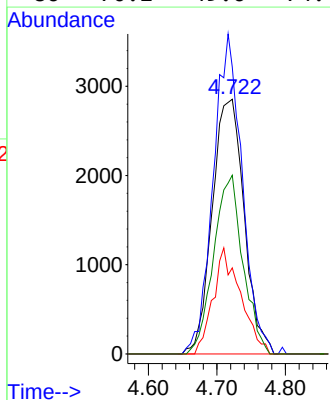
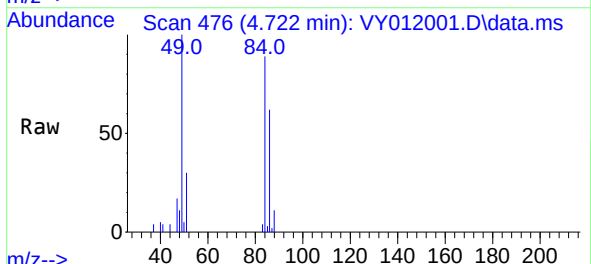
Instrument :  
MSVOA\_Y  
ClientSampleId :

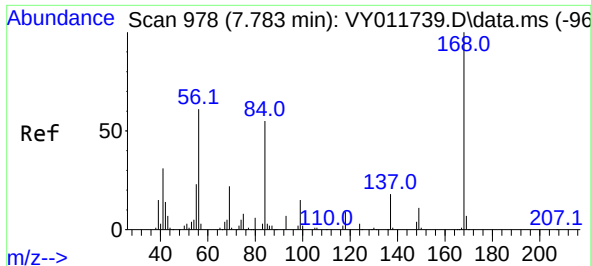
Tgt Ion: 43 Resp: 109  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.9 41.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

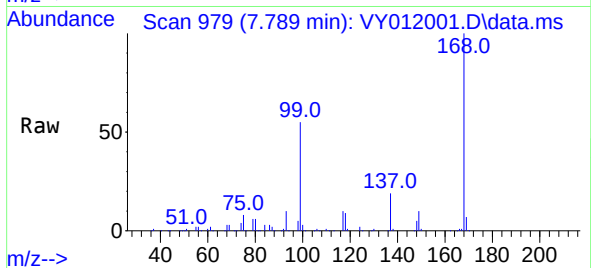
Tgt Ion: 84 Resp: 9243  
Ion Ratio Lower Upper  
84 100  
49 112.6 95.4 143.2  
51 33.8 29.9 44.9  
86 70.2 49.6 74.4



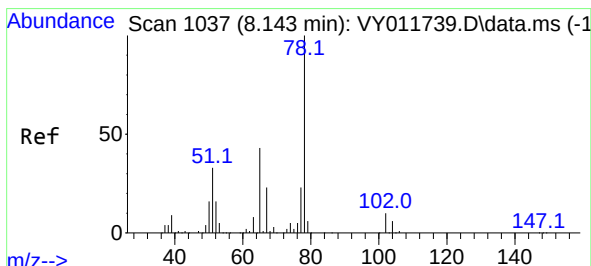
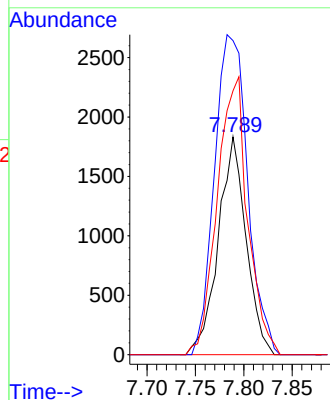
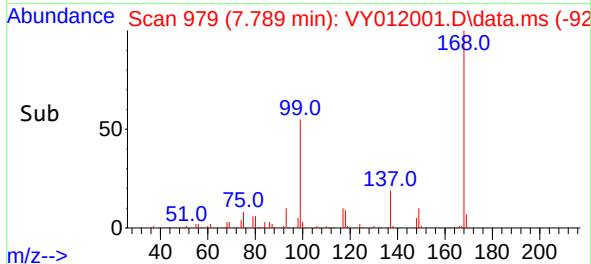


#31  
Cyclohexane  
Concen: 1.116 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

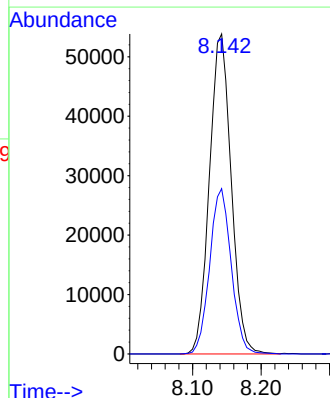
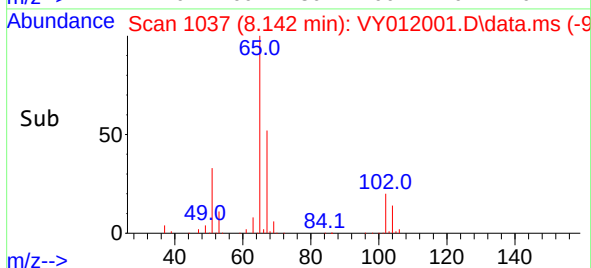
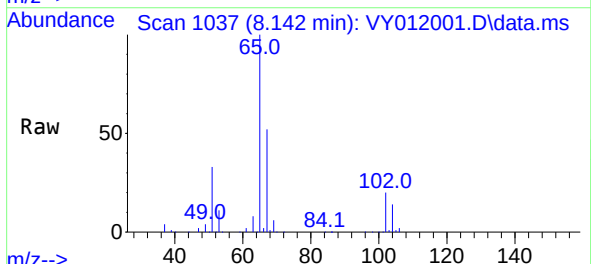


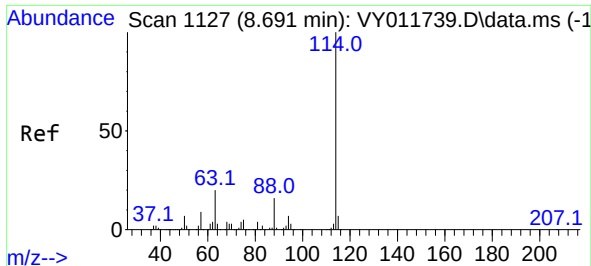
Tgt Ion: 56 Resp: 3668  
Ion Ratio Lower Upper  
56 100  
69 144.2 29.2 43.8#  
84 121.1 72.6 108.8#



#33  
1,2-Dichloroethane-d4  
Concen: 61.007 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Tgt Ion: 65 Resp: 119056  
Ion Ratio Lower Upper  
65 100  
67 51.0 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: VY012001.D

Acq: 23 Dec 2022 16:35

Instrument :

MSVOA\_Y

ClientSampleId :

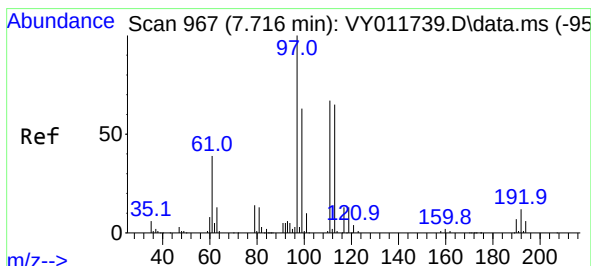
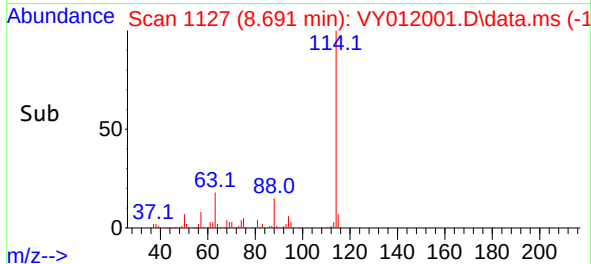
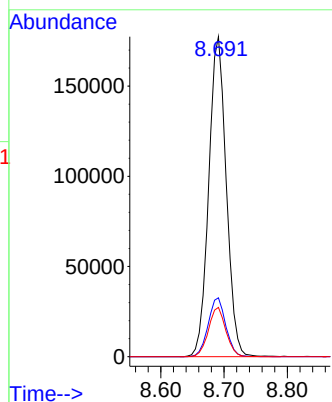
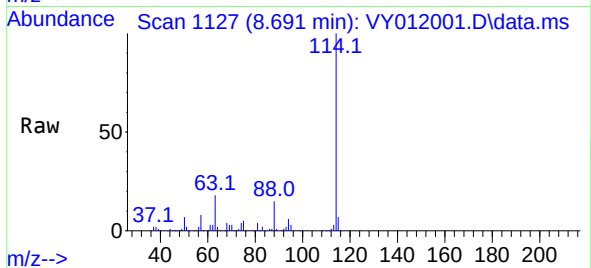
Tgt Ion:114 Resp: 341370

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.489 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012001.D

Acq: 23 Dec 2022 16:35

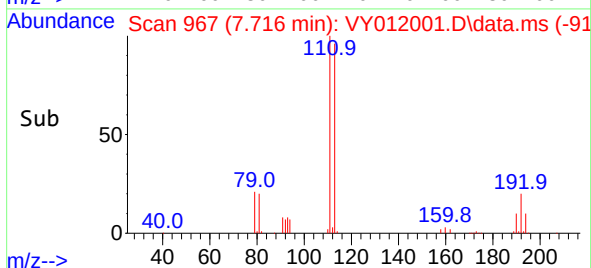
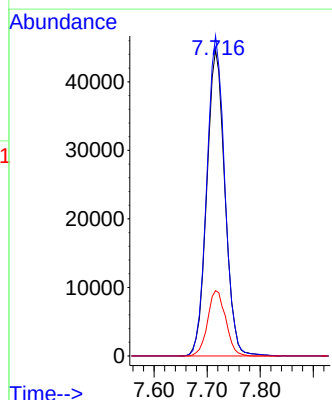
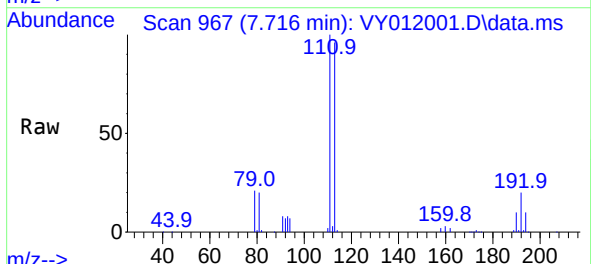
Tgt Ion:113 Resp: 105818

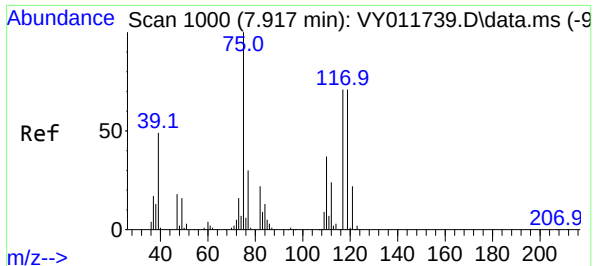
Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.4

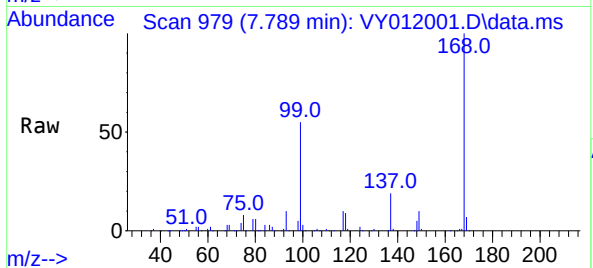
192 21.3 16.0 24.0



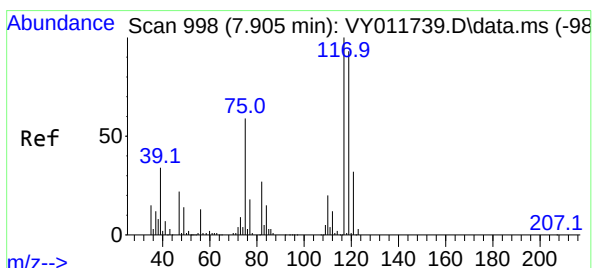
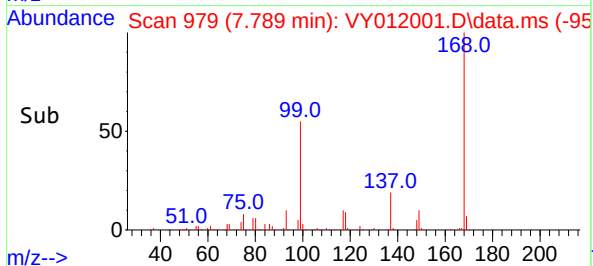
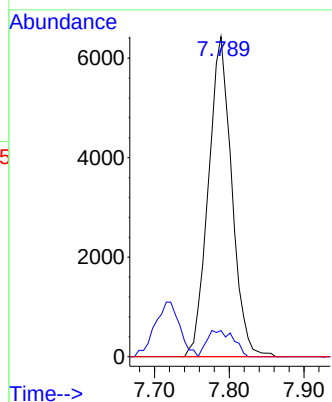


#36  
1,1-Dichloropropene  
Concen: 4.242 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

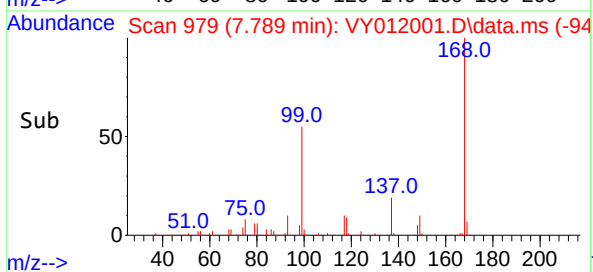
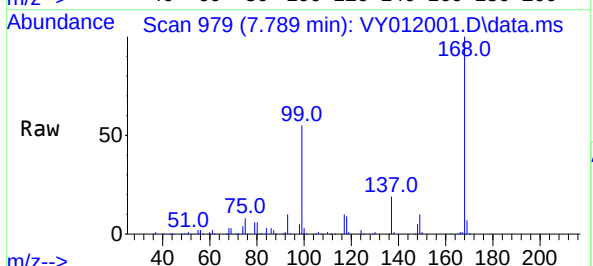
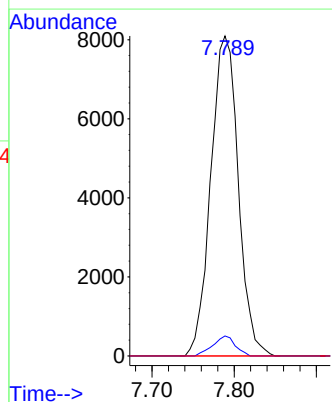


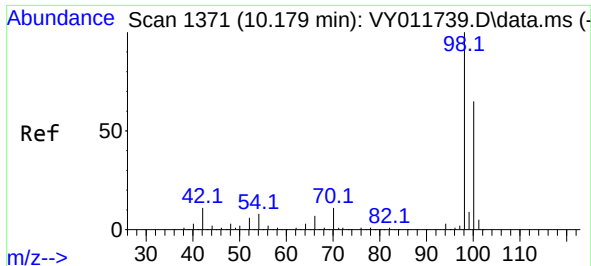
Tgt Ion: 75 Resp: 13983  
Ion Ratio Lower Upper  
75 100  
110 9.4 18.1 54.1#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 4.939 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.116 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

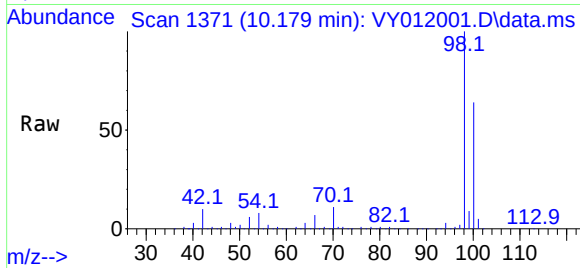
Tgt Ion: 117 Resp: 18805  
Ion Ratio Lower Upper  
117 100  
119 6.3 73.8 110.8#  
121 0.0 25.2 37.8#



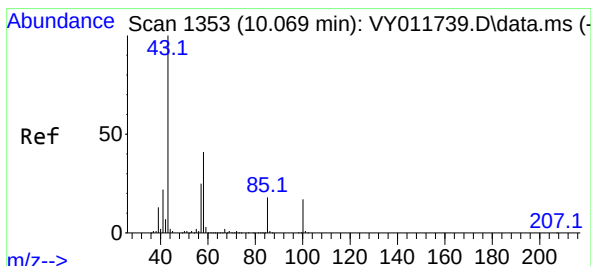
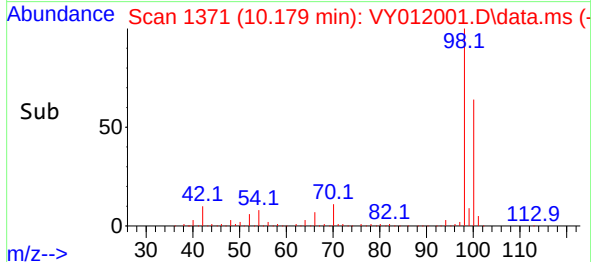
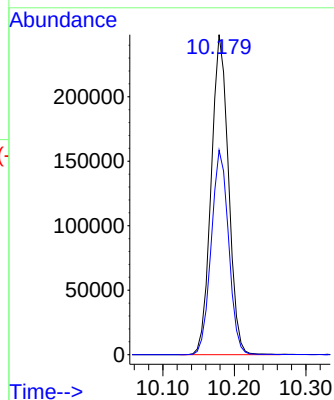


#50  
Toluene-d8  
Concen: 49.892 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

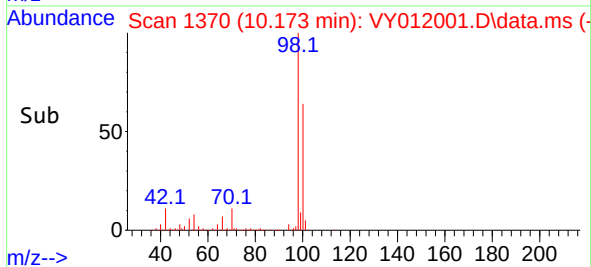
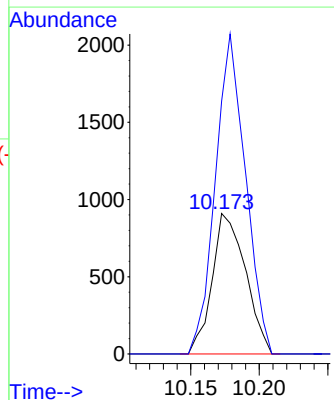
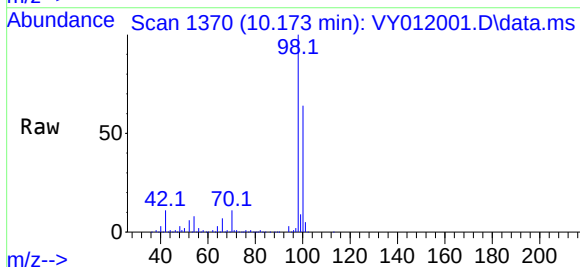


Tgt Ion: 98 Resp: 416013  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.9 77.9

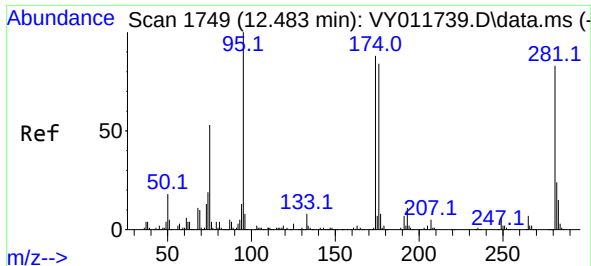


#51  
4-Methyl-2-Pentanone  
Concen: 1.070 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. 0.103 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Tgt Ion: 43 Resp: 1541  
Ion Ratio Lower Upper  
43 100  
58 205.9 32.9 49.3#



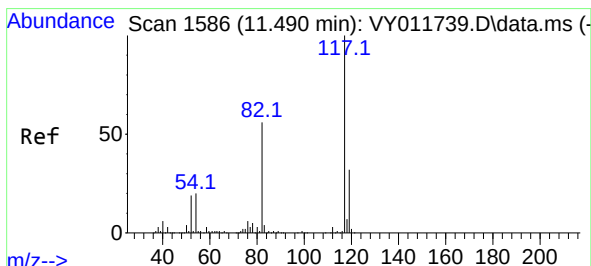
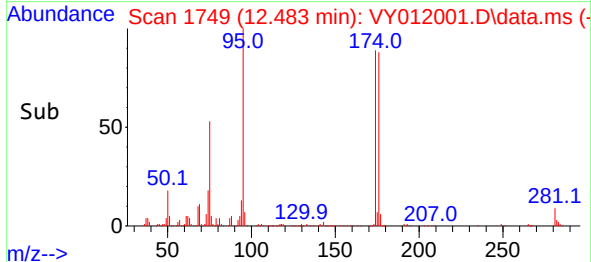
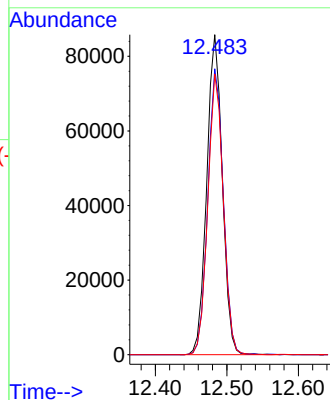
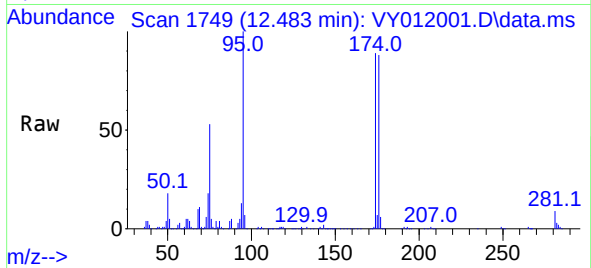




#62  
4-Bromofluorobenzene  
Concen: 46.280 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

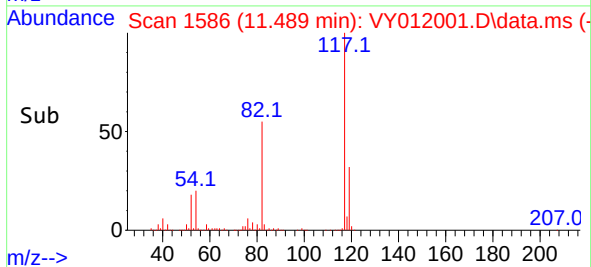
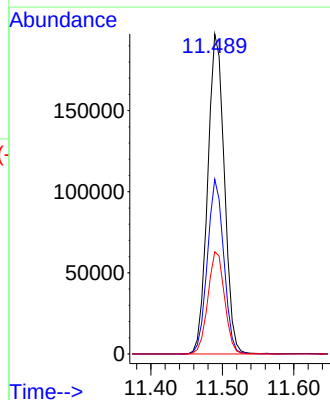
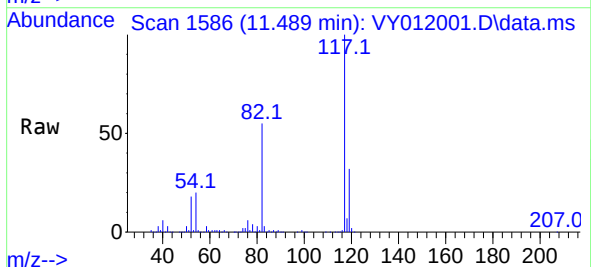
Instrument :  
MSVOA\_Y  
ClientSampleId :

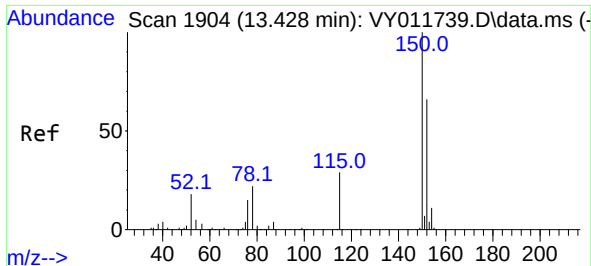
Tgt Ion: 95 Resp: 129783  
Ion Ratio Lower Upper  
95 100  
174 89.3 0.0 172.0  
176 87.1 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

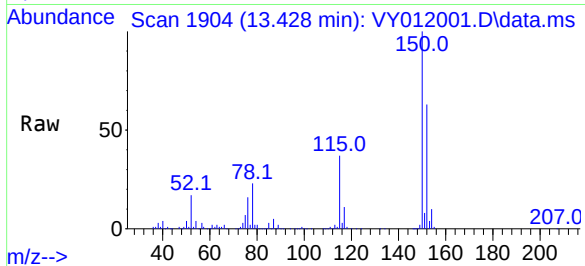
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Ion Ratio Lower Upper  
117 100  
82 54.6 44.8 67.2  
119 31.9 25.4 38.2



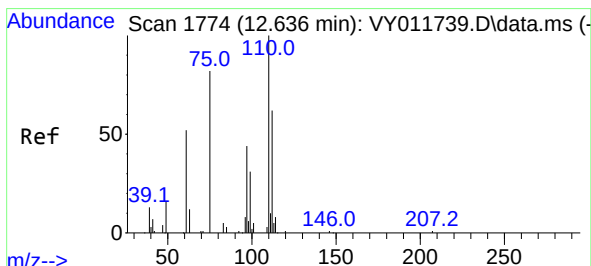
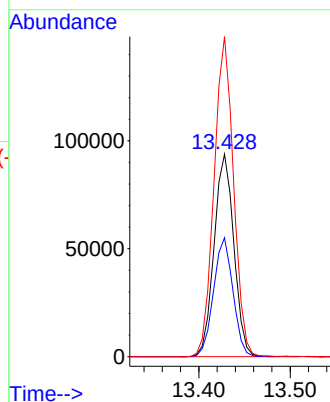
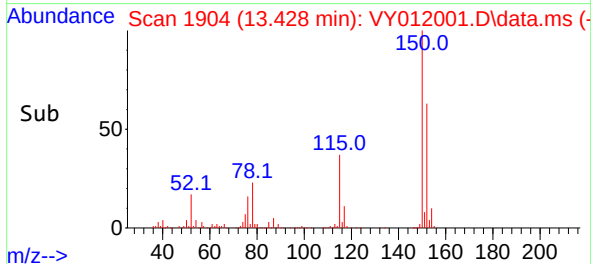


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

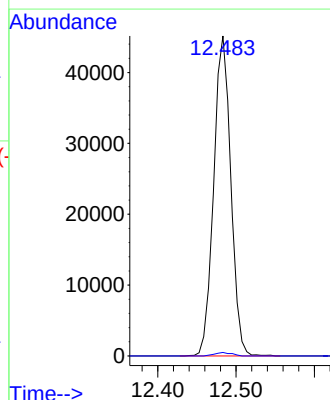
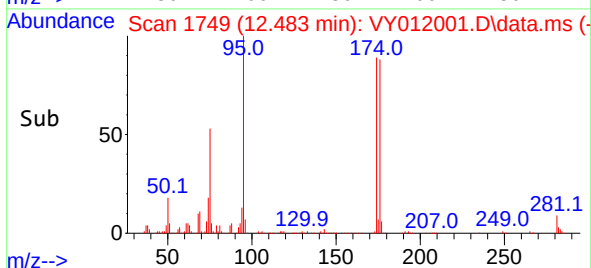
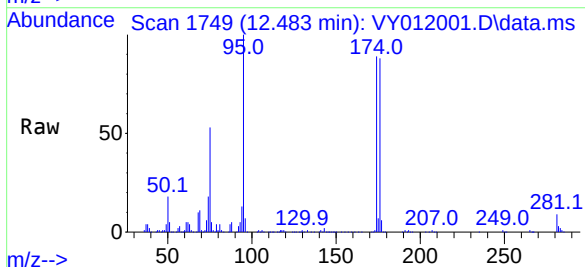


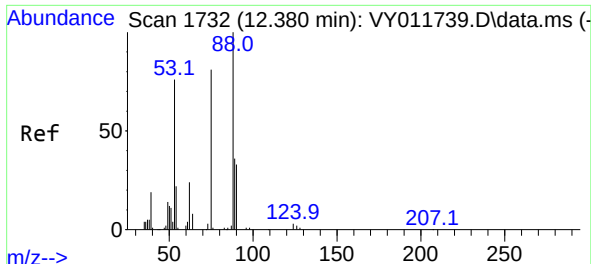
Tgt Ion:152 Resp: 141134  
Ion Ratio Lower Upper  
152 100  
115 57.6 29.1 87.3  
150 155.9 0.0 342.6



#76  
1,2,3-Trichloropropane  
Concen: 39.001 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Tgt Ion: 75 Resp: 68492  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#

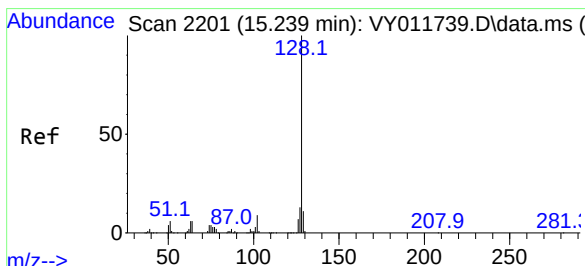
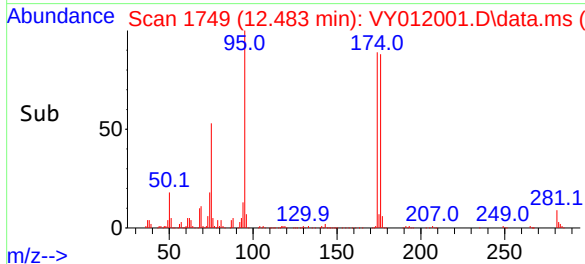
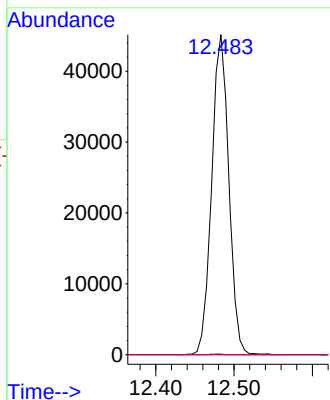
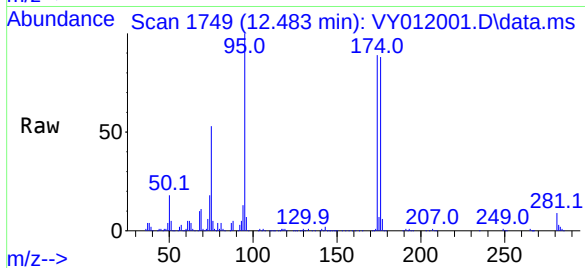




#81  
trans-1,4-Dichloro-2-butene  
Concen: 106.803 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.103 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 68492  
Ion Ratio Lower Upper  
75 100  
53 0.1 72.5 108.7#  
89 0.0 37.0 55.4#



#95  
Naphthalene  
Concen: 2.836 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.006 min  
Lab File: VY012001.D  
Acq: 23 Dec 2022 16:35

Tgt Ion:128 Resp: 318  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 0.0 8.8 13.2#

