

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012323\  
 Data File : VY012311.D  
 Acq On : 23 Jan 2023 14:14  
 Operator : KP/MD  
 Sample : 01232-04  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 23 15:16:12 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

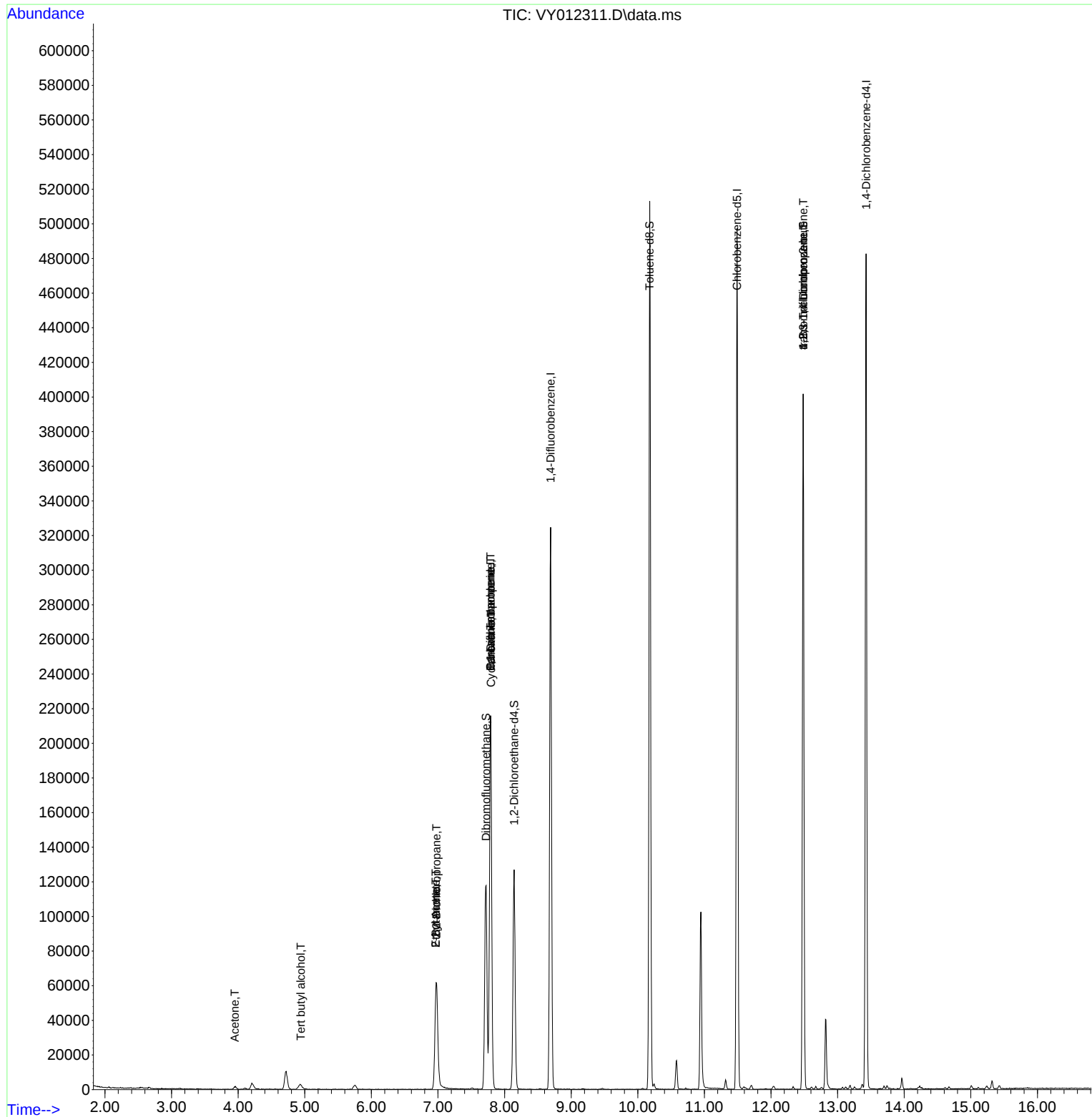
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 170252   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 283949   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 275020   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 125590   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 103789   | 75.557    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 151.120% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 83042    | 55.232    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 110.460% |          |
| 50) Toluene-d8                | 10.179 | 98    | 334138   | 65.483    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 130.960% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 113735   | 53.662    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 107.320% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.942  | 59    | 3739     | 10.533    | ug/l #     | 74       |
| 16) Acetone                   | 3.948  | 43    | 2855     | 6.022     | ug/l       | 96       |
| 20) Methylene Chloride        | 4.716  | 84    | 8441     | Below Cal |            | 86       |
| 25) 2-Butanone                | 6.966  | 43    | 3110     | 5.942     | ug/l #     | 72       |
| 26) 2,2-Dichloropropane       | 6.978  | 77    | 4885     | 1.683     | ug/l #     | 53       |
| 31) Cyclohexane               | 7.795  | 56    | 3158     | 1.272     | ug/l #     | 26       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 12579    | 4.923     | ug/l #     | 50       |
| 37) Ethyl Acetate             | 6.966  | 43    | 3110     | 2.761     | ug/l #     | 33       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 17169    | 5.203     | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 61607    | 53.347    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 61607    | 109.917   | ug/l #     | 13       |
| -----                         |        |       |          |           |            |          |

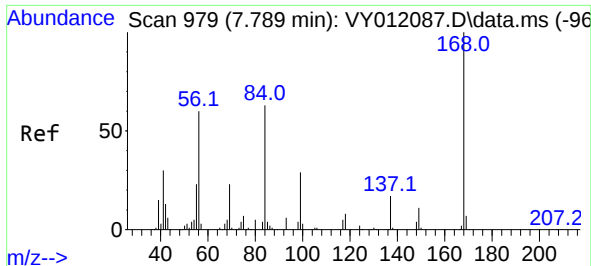
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012323\  
Data File : VY012311.D  
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Sample : 01232-04  
Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

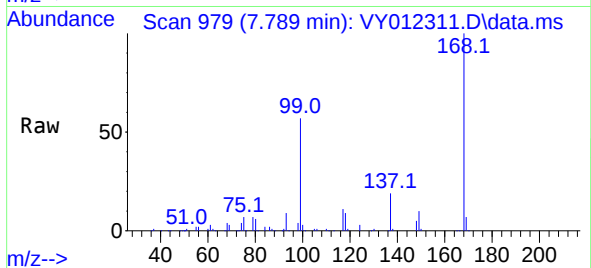
Quant Time: Jan 23 15:16:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration



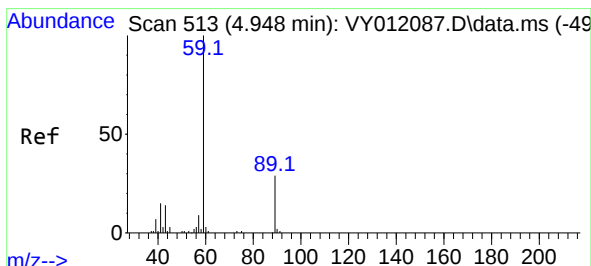
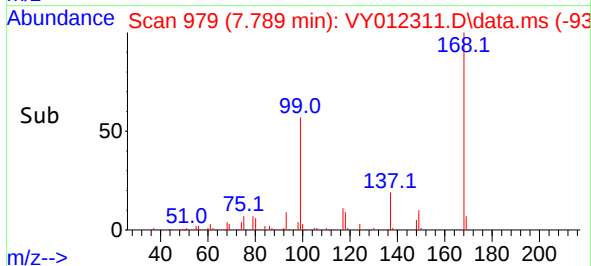
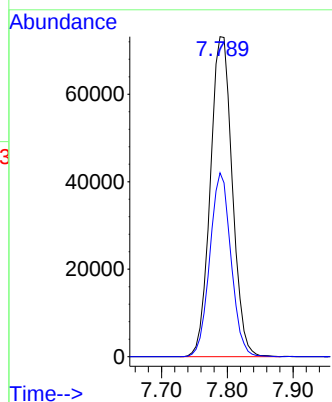


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

Instrument :  
MSVOA\_Y  
ClientSampleId :

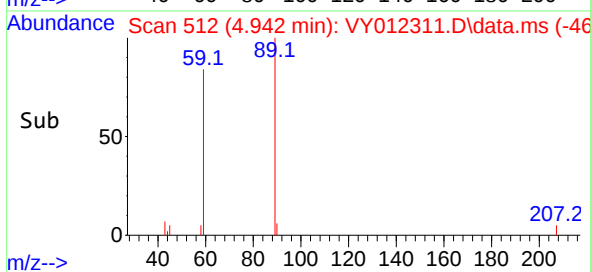
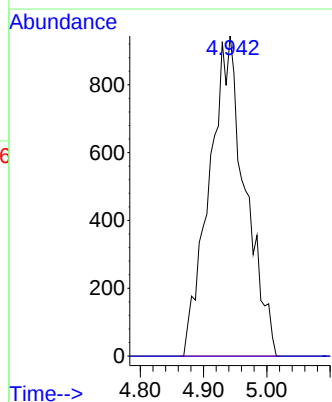
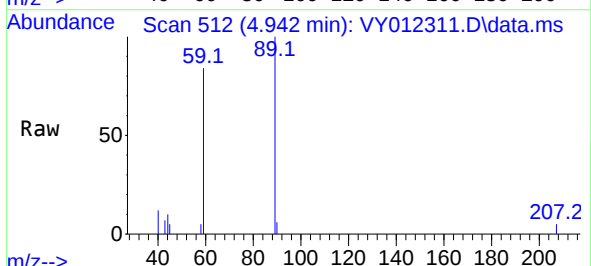


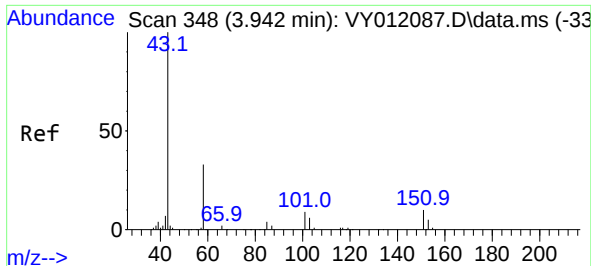
Tgt Ion:168 Resp: 170252  
Ion Ratio Lower Upper  
168 100  
99 57.5 44.0 66.0



#11  
Tert butyl alcohol  
Concen: 10.533 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.006 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

Tgt Ion: 59 Resp: 3739  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

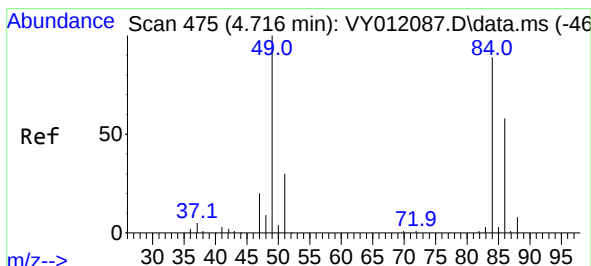
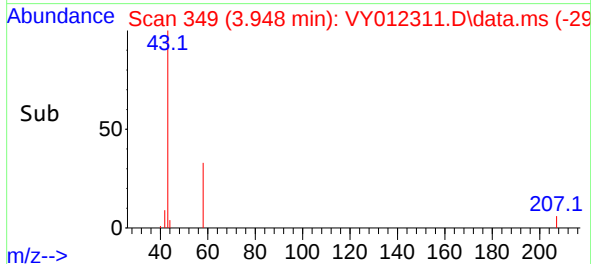
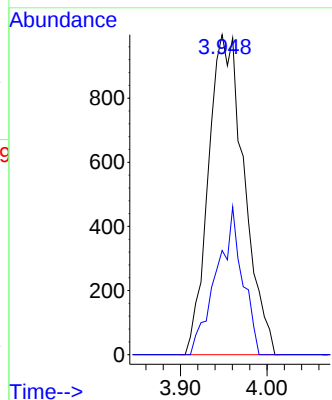
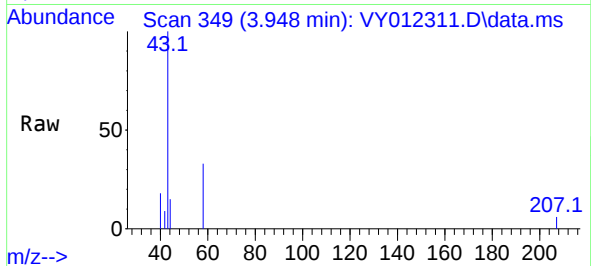




#16  
Acetone  
Concen: 6.022 ug/l  
RT: 3.948 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

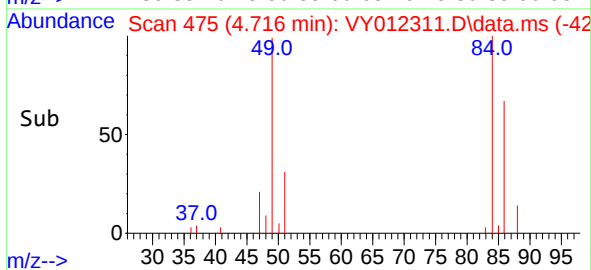
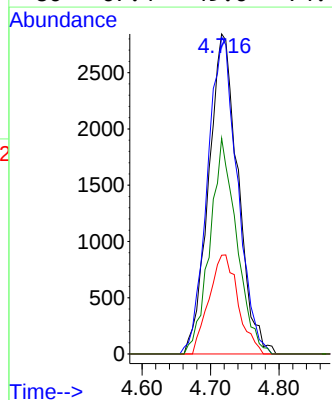
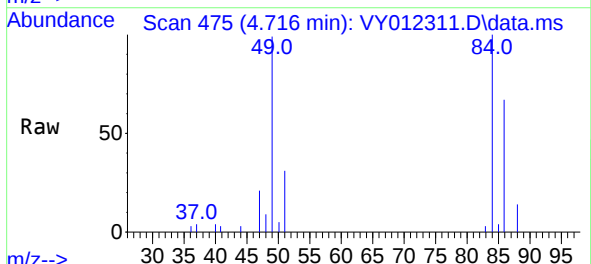
Instrument :  
MSVOA\_Y  
ClientSampleId :

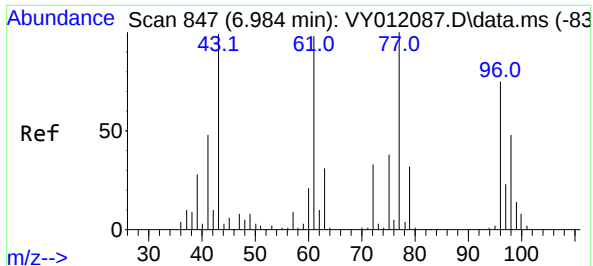
Tgt Ion: 43 Resp: 2855  
Ion Ratio Lower Upper  
43 100  
58 32.6 27.9 41.9



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

Tgt Ion: 84 Resp: 8441  
Ion Ratio Lower Upper  
84 100  
49 99.0 95.4 143.2  
51 30.8 29.9 44.9  
86 67.4 49.6 74.4





#25

2-Butanone

Concen: 5.942 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY012311.D

Acq: 23 Jan 2023 14:14

Instrument :

MSVOA\_Y

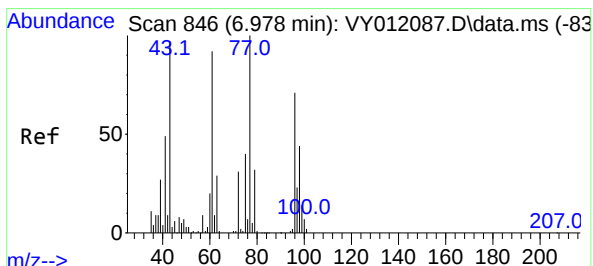
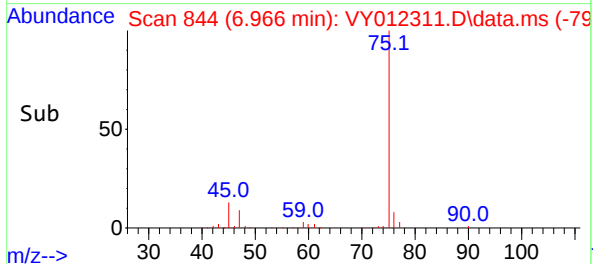
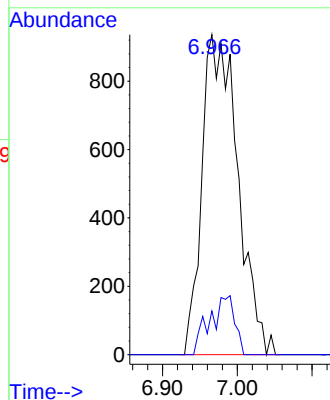
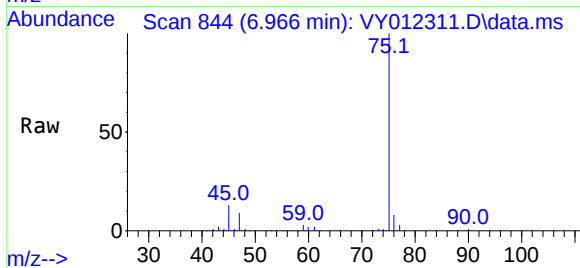
ClientSampleId :

Tgt Ion: 43 Resp: 3110

Ion Ratio Lower Upper

43 100

72 13.7 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 1.683 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY012311.D

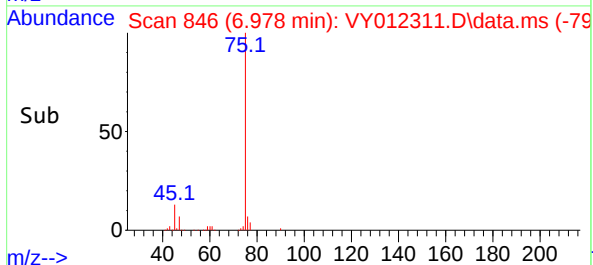
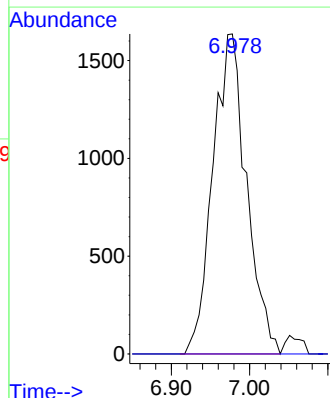
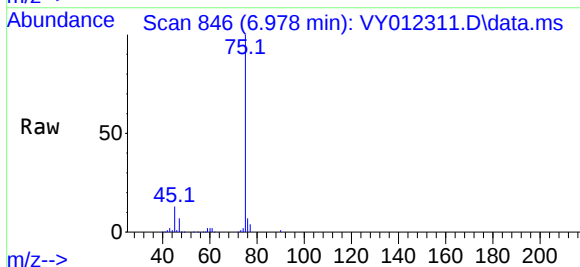
Acq: 23 Jan 2023 14:14

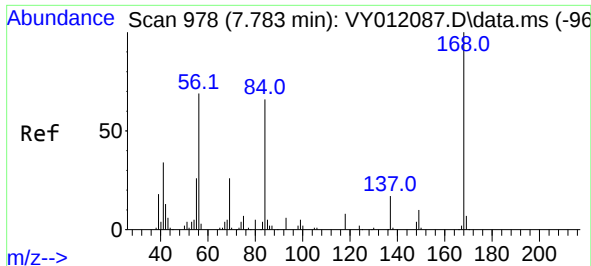
Tgt Ion: 77 Resp: 4885

Ion Ratio Lower Upper

77 100

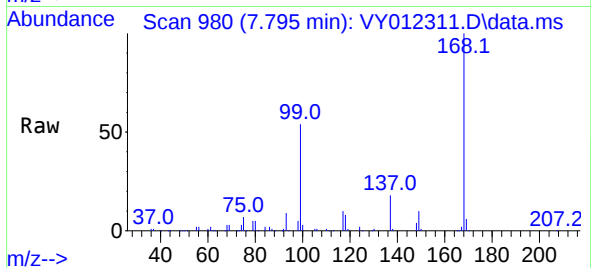
97 0.0 11.4 34.1#



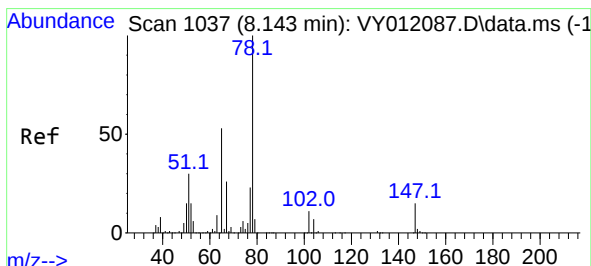
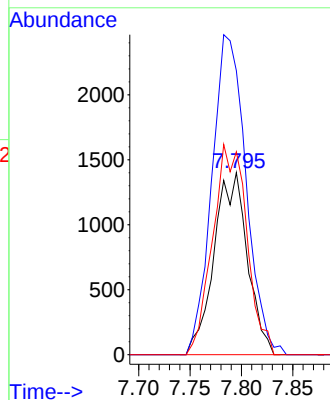
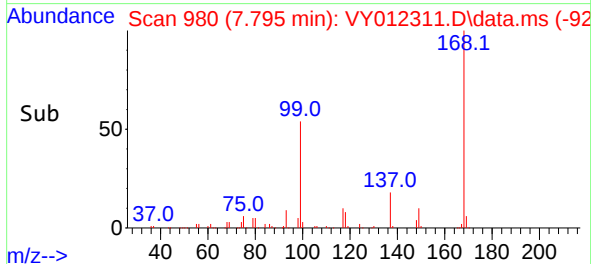


#31  
Cyclohexane  
Concen: 1.272 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

Instrument :  
MSVOA\_Y  
ClientSampleId :

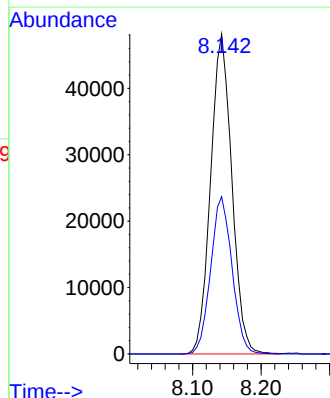
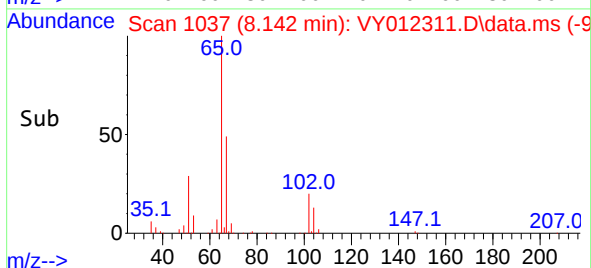
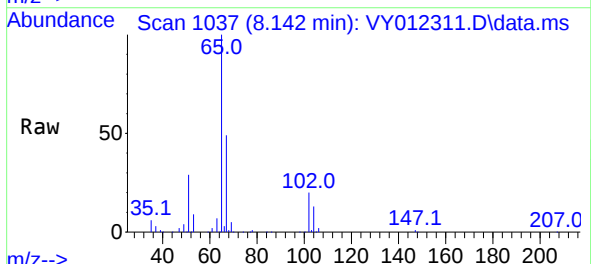


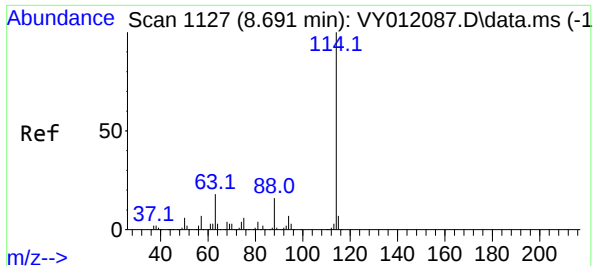
Tgt Ion: 56 Resp: 3158  
Ion Ratio Lower Upper  
56 100  
69 155.9 29.2 43.8#  
84 111.4 72.6 108.8#



#33  
1,2-Dichloroethane-d4  
Concen: 75.557 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

Tgt Ion: 65 Resp: 103789  
Ion Ratio Lower Upper  
65 100  
67 49.4 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: VY012311.D

Acq: 23 Jan 2023 14:14

Instrument :

MSVOA\_Y

ClientSampleId :

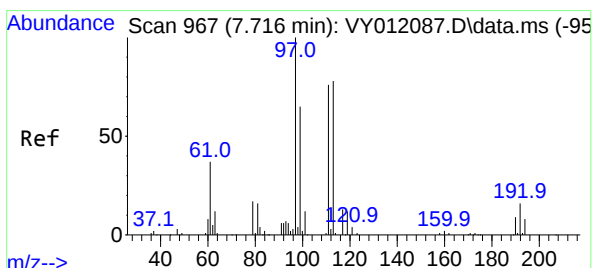
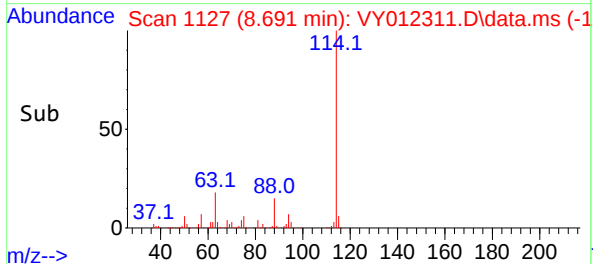
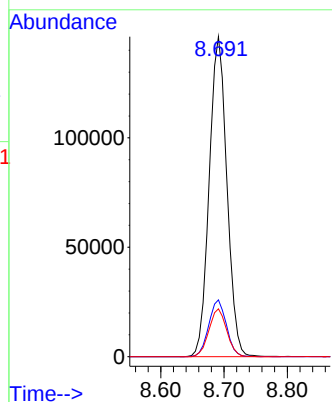
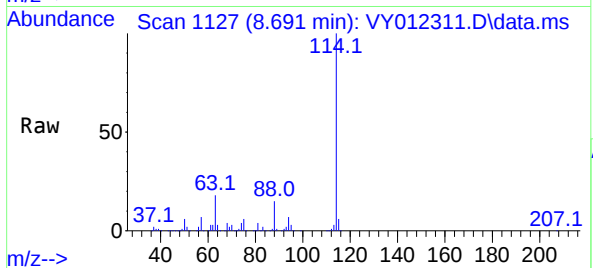
Tgt Ion:114 Resp: 283949

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 55.232 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012311.D

Acq: 23 Jan 2023 14:14

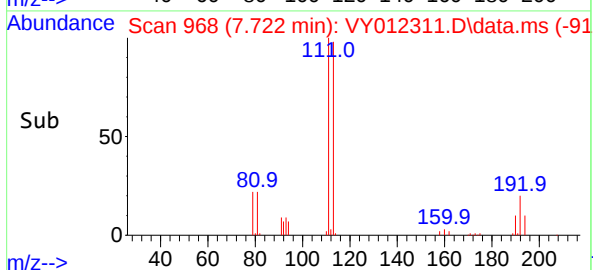
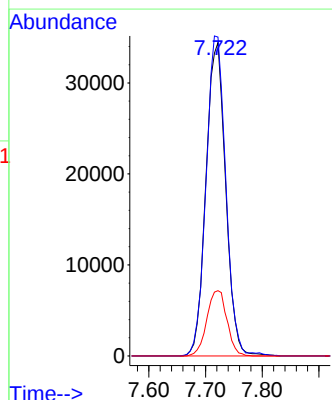
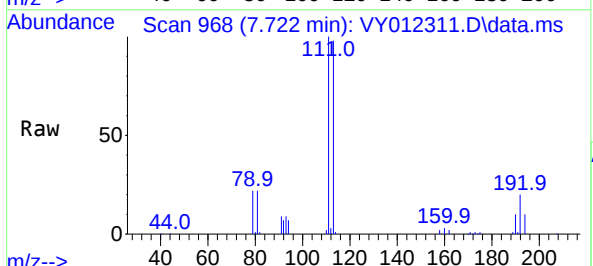
Tgt Ion:113 Resp: 83042

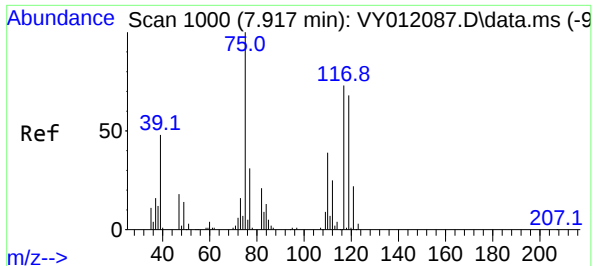
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 21.3 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.923 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

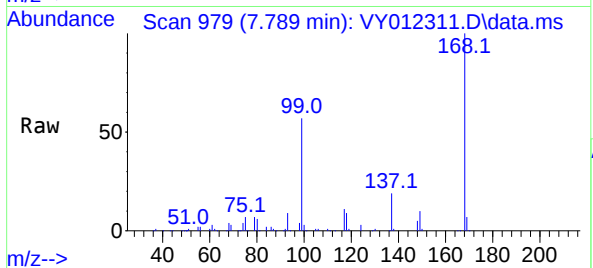
Lab File: VY012311.D

Acq: 23 Jan 2023 14:14

Instrument :

MSVOA\_Y

ClientSampleId :



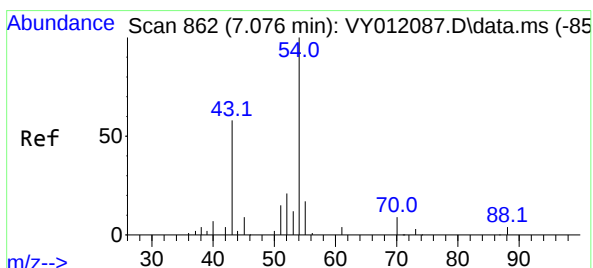
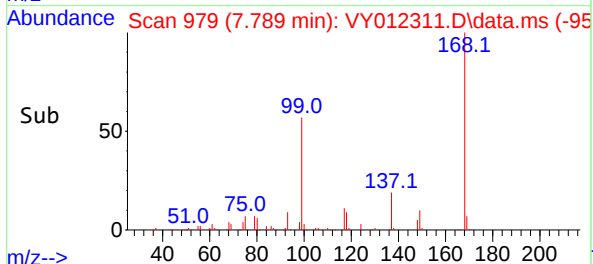
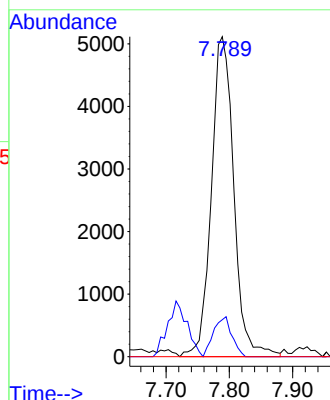
Tgt Ion: 75 Resp: 12579

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 2.761 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.110 min

Lab File: VY012311.D

Acq: 23 Jan 2023 14:14

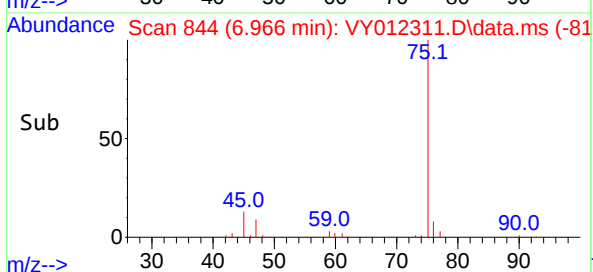
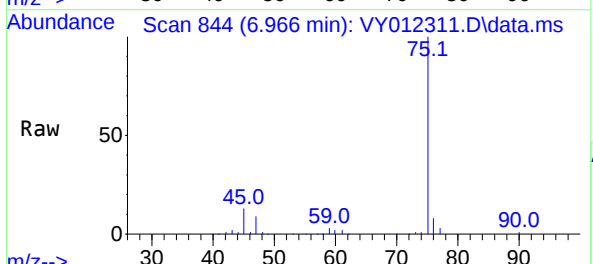
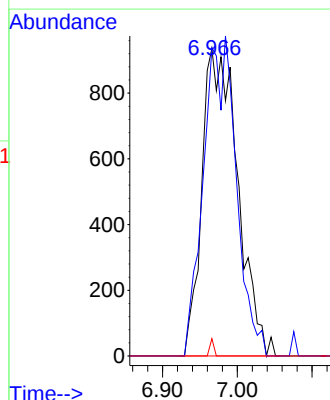
Tgt Ion: 43 Resp: 3110

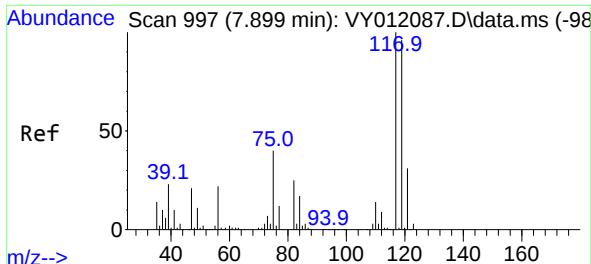
Ion Ratio Lower Upper

43 100

61 53.4 11.3 16.9#

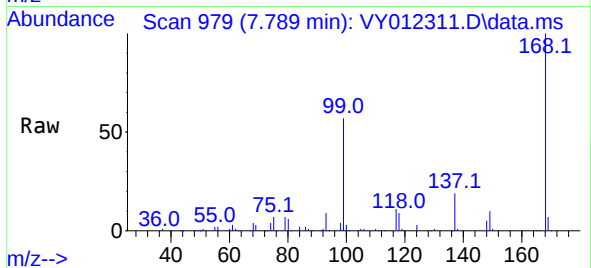
70 0.6 8.2 12.4#



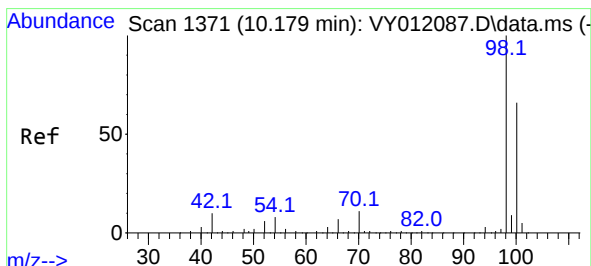
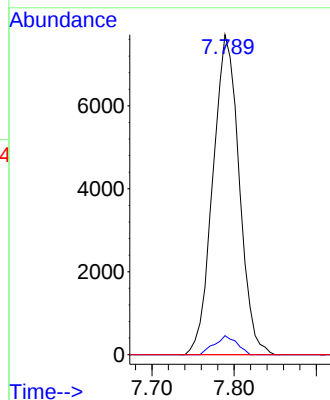
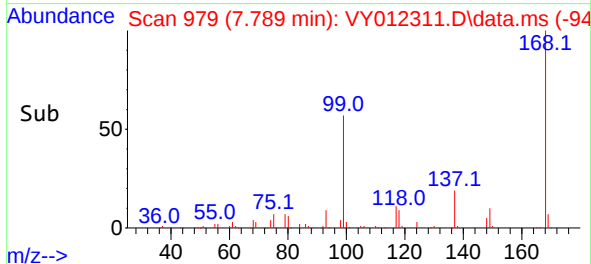


#38  
Carbon Tetrachloride  
Concen: 5.203 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

Instrument :  
MSVOA\_Y  
ClientSampleId :

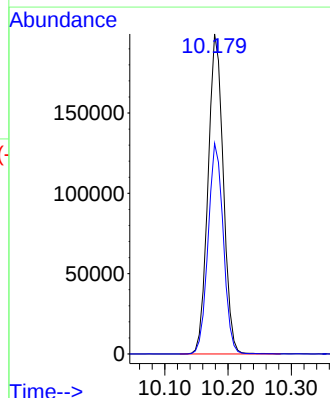
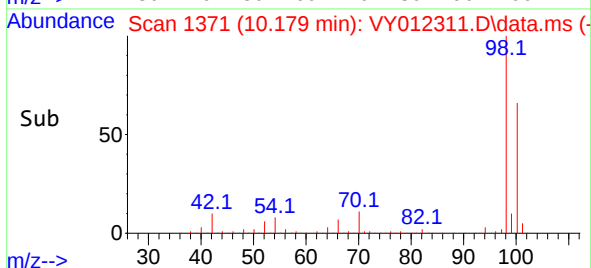
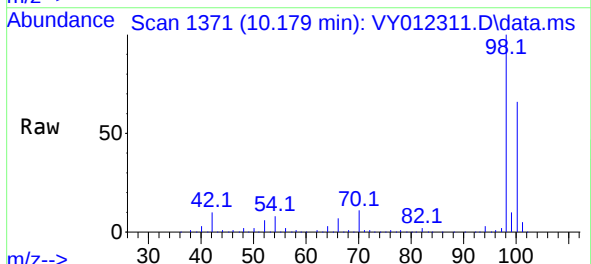


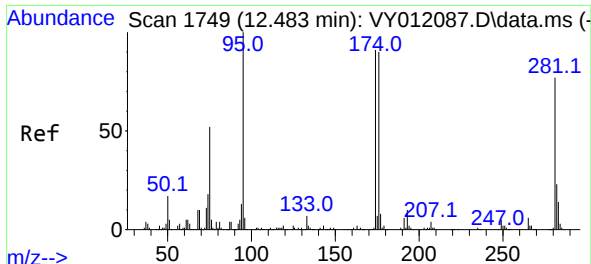
Tgt Ion:117 Resp: 17169  
Ion Ratio Lower Upper  
117 100  
119 6.0 73.8 110.8#  
121 0.0 25.2 37.8#



#50  
Toluene-d8  
Concen: 65.483 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

Tgt Ion: 98 Resp: 334138  
Ion Ratio Lower Upper  
98 100  
100 65.5 51.9 77.9

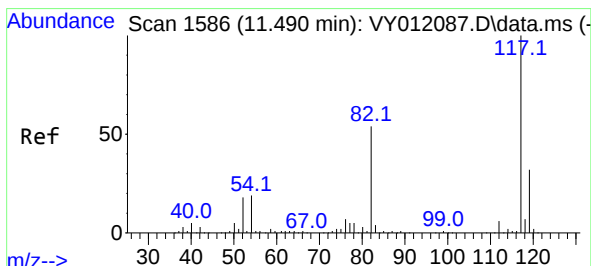
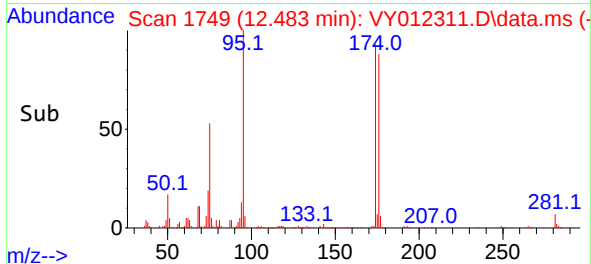
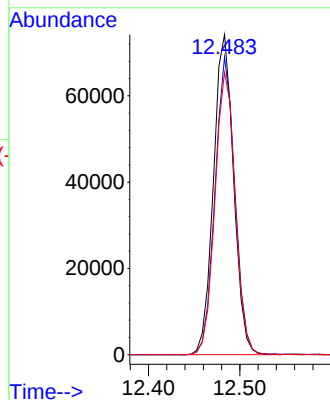
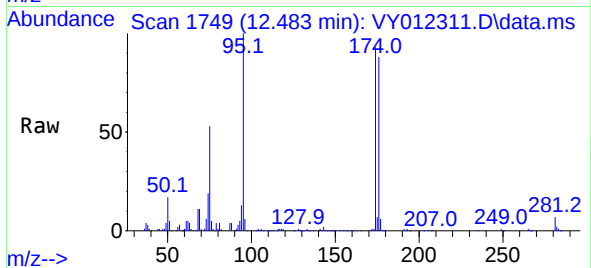




#62  
4-Bromofluorobenzene  
Concen: 53.662 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

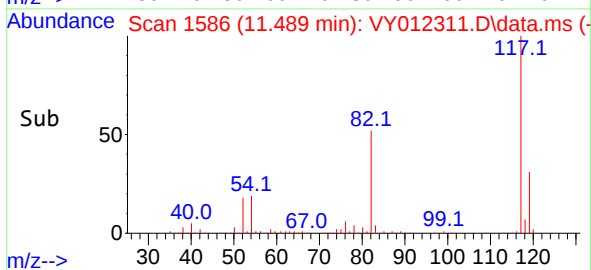
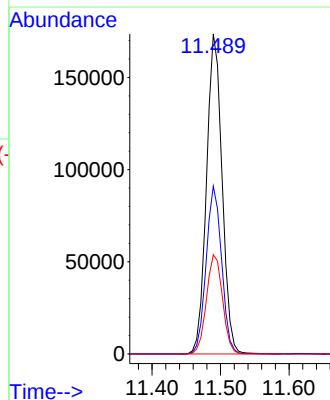
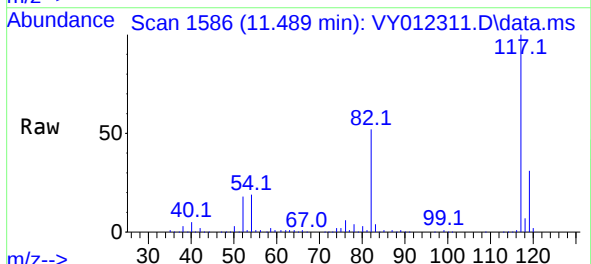
Instrument :  
MSVOA\_Y  
ClientSampleId :

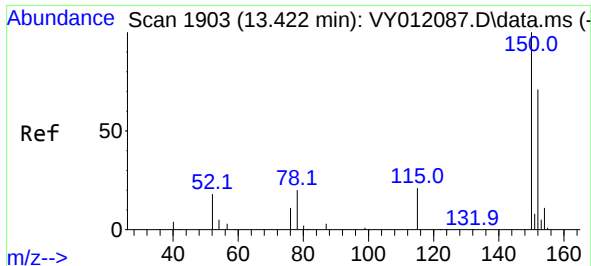
Tgt Ion: 95 Resp: 113735  
Ion Ratio Lower Upper  
95 100  
174 91.9 0.0 172.0  
176 88.5 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

Tgt Ion: 117 Resp: 275020  
Ion Ratio Lower Upper  
117 100  
82 52.5 44.8 67.2  
119 31.0 25.4 38.2

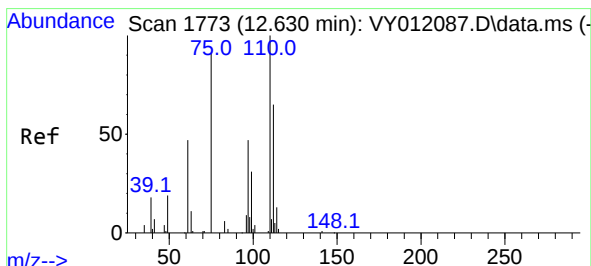
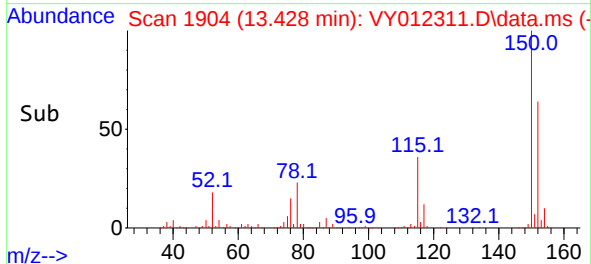
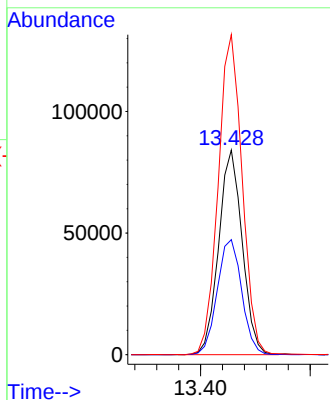
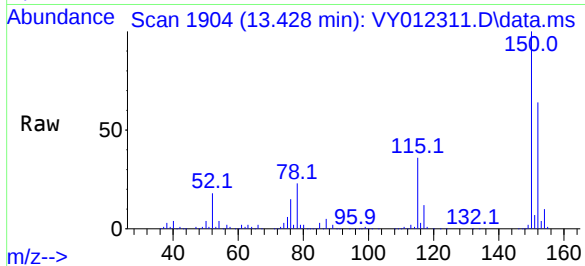




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1903  
Delta R.T. 0.006 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

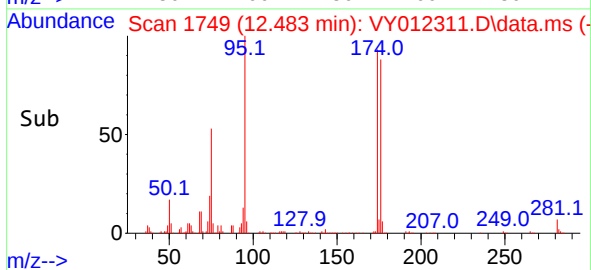
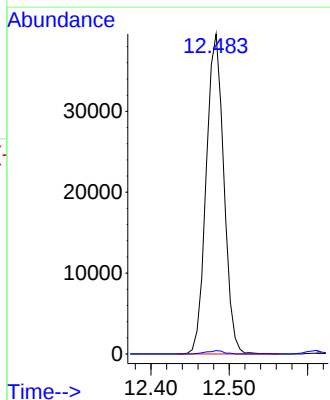
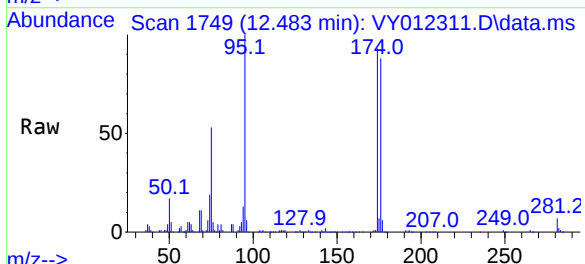
Instrument :  
MSVOA\_Y  
ClientSampleId :

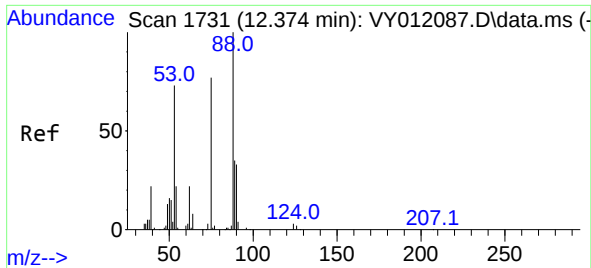
Tgt Ion:152 Resp: 125590  
Ion Ratio Lower Upper  
152 100  
115 58.5 29.1 87.3  
150 159.1 0.0 342.6



#76  
1,2,3-Trichloropropane  
Concen: 53.347 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

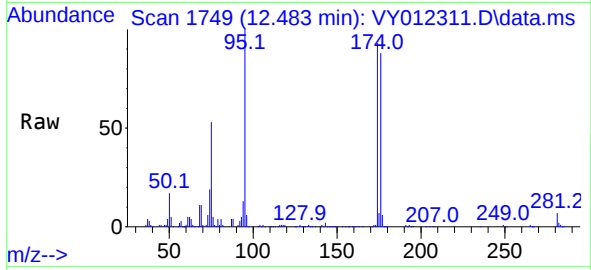
Tgt Ion: 75 Resp: 61607  
Ion Ratio Lower Upper  
75 100  
77 1.0 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.917 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.109 min  
Lab File: VY012311.D  
Acq: 23 Jan 2023 14:14

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 61607  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#

