

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012423\  
 Data File : VY012339.D  
 Acq On : 24 Jan 2023 14:05  
 Operator : KP/MD  
 Sample : 01260-01  
 Misc : 5.65g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 25 01:31:41 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  | 89323    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 148229   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 146924   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 65625    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 56856    | 79.079   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 158.160% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 45886    | 58.463   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 116.920% |
| 50) Toluene-d8              | 10.179 | 98    | 178720   | 67.210   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 134.420% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 57263    | 51.755   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 103.500% |

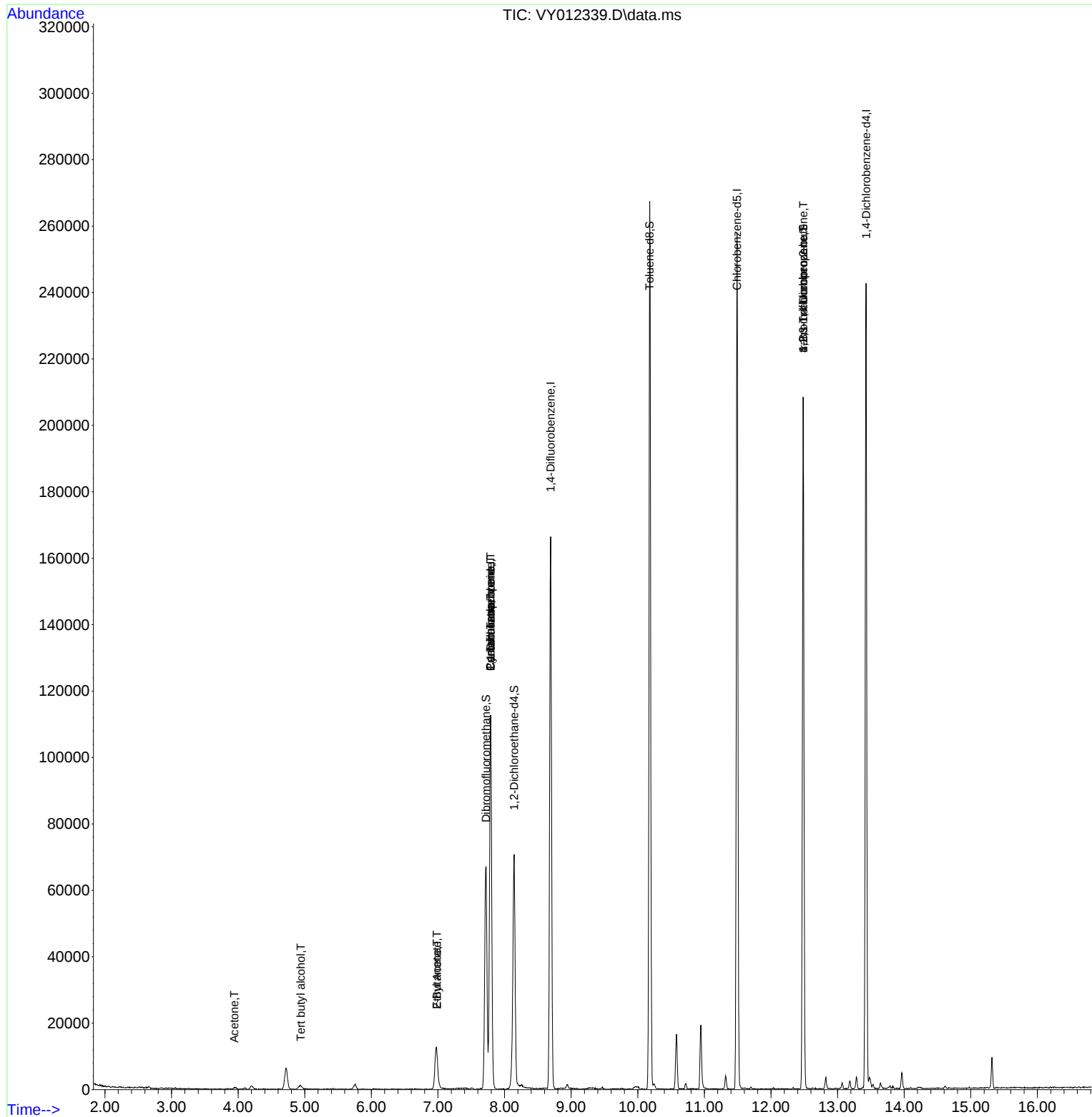
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 11) Tert butyl alcohol        | 4.942  | 59  | 1283  | 2.409     | ug/l # | 74  |
| 16) Acetone                   | 3.942  | 43  | 909   | 3.655     | ug/l # | 83  |
| 20) Methylene Chloride        | 4.729  | 84  | 5196  | Below Cal | #      | 74  |
| 25) 2-Butanone                | 6.984  | 43  | 1025  | 3.733     | ug/l # | 82  |
| 31) Cyclohexane               | 7.789  | 56  | 1572  | 1.207     | ug/l # | 24  |
| 36) 1,1-Dichloropropene       | 7.789  | 75  | 6053  | 4.538     | ug/l # | 50  |
| 37) Ethyl Acetate             | 6.984  | 43  | 1025  | 1.743     | ug/l # | 22  |
| 38) Carbon Tetrachloride      | 7.789  | 117 | 8735  | 5.070     | ug/l # | 17  |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75  | 31207 | 51.715    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75  | 31207 | 106.555   | ug/l # | 13  |

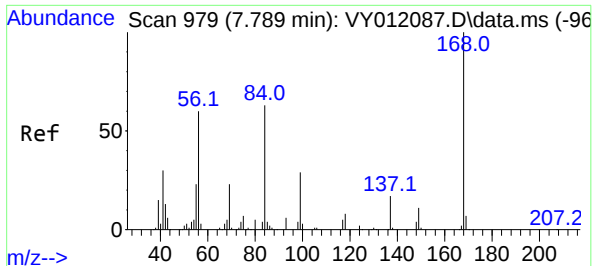
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012423\  
Data File : VY012339.D  
Acq On : 24 Jan 2023 14:05  
Operator : KP/MD  
Sample : 01260-01  
Misc : 5.65g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

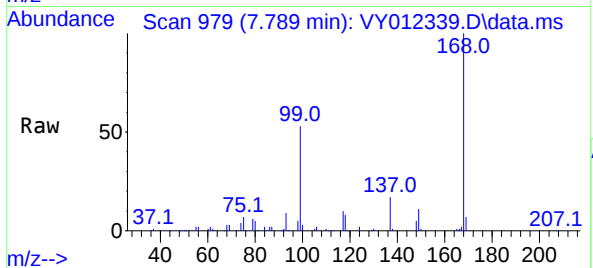
Quant Time: Jan 25 01:31:41 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration



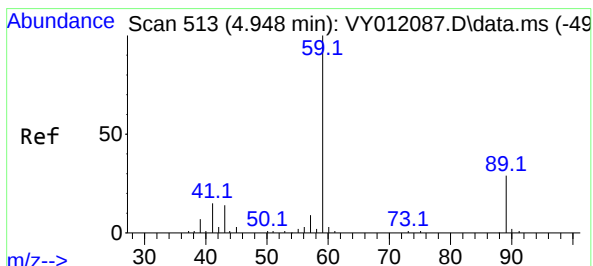
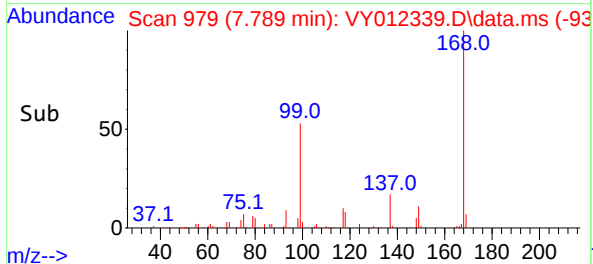
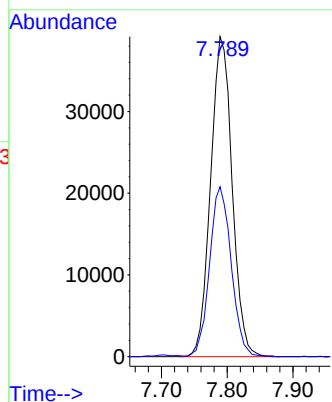


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

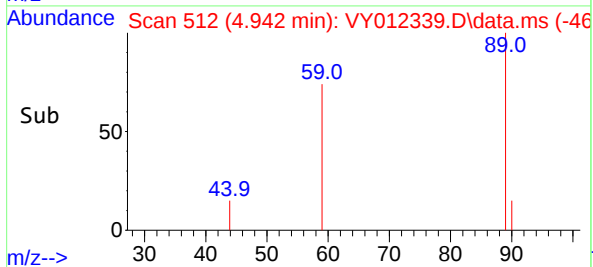
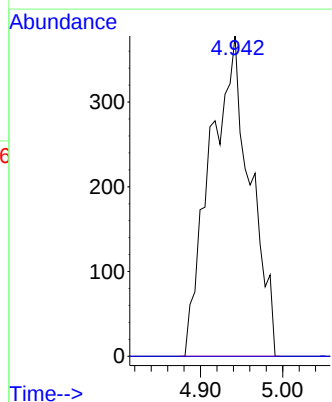
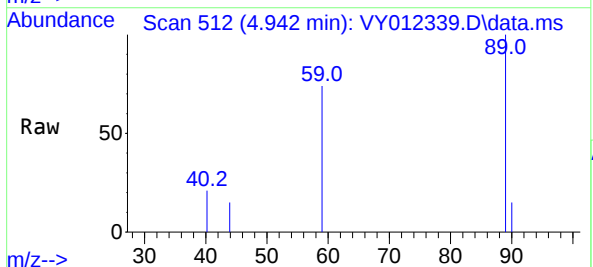


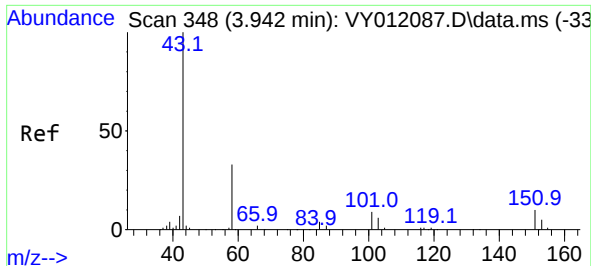
Tgt Ion:168 Resp: 89323  
Ion Ratio Lower Upper  
168 100  
99 53.1 44.0 66.0



#11  
Tert butyl alcohol  
Concen: 2.409 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.006 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

Tgt Ion: 59 Resp: 1283  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

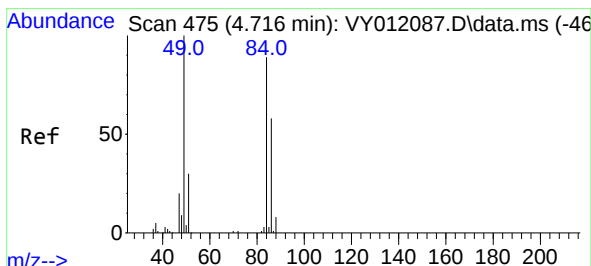
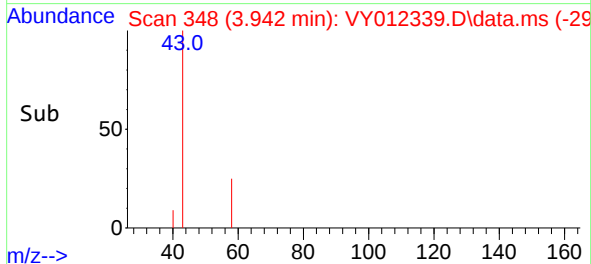
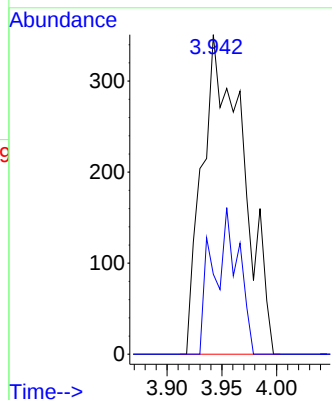
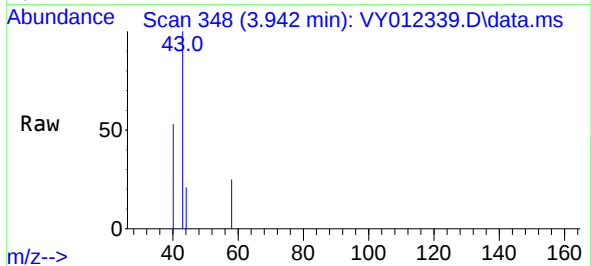




#16  
Acetone  
Concen: 3.655 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

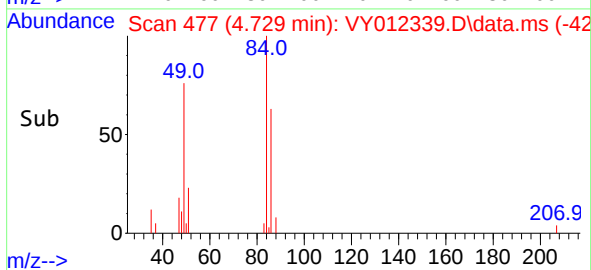
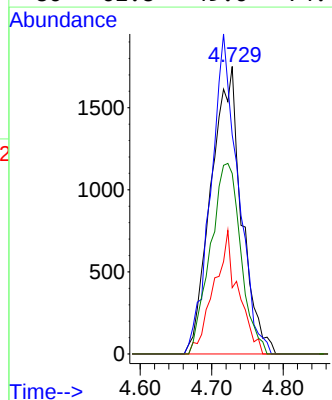
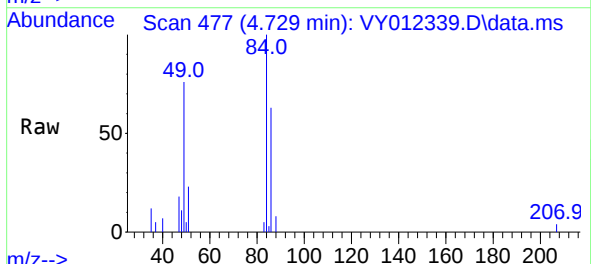
Instrument :  
MSVOA\_Y  
ClientSampleId :

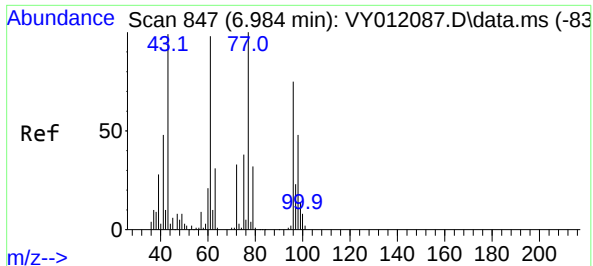
Tgt Ion: 43 Resp: 909  
Ion Ratio Lower Upper  
43 100  
58 25.1 27.9 41.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.729 min Scan# 477  
Delta R.T. 0.013 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

Tgt Ion: 84 Resp: 5196  
Ion Ratio Lower Upper  
84 100  
49 76.2 95.4 143.2#  
51 23.1 29.9 44.9#  
86 62.8 49.6 74.4





#25

2-Butanone

Concen: 3.733 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012339.D

Acq: 24 Jan 2023 14:05

Instrument :

MSVOA\_Y

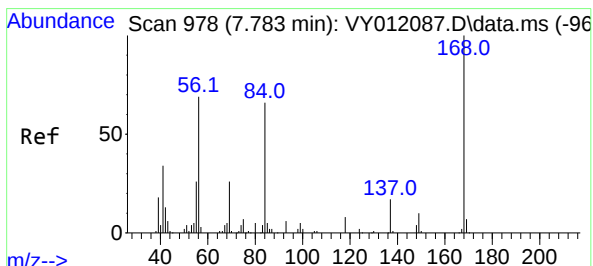
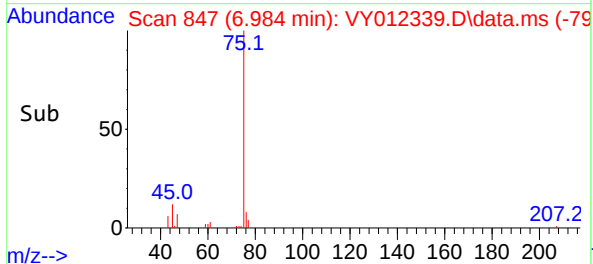
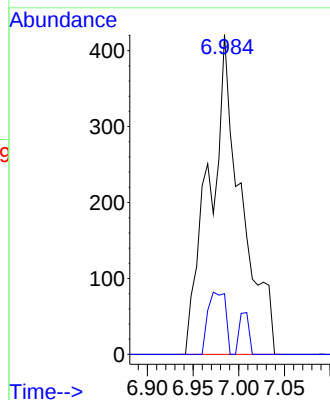
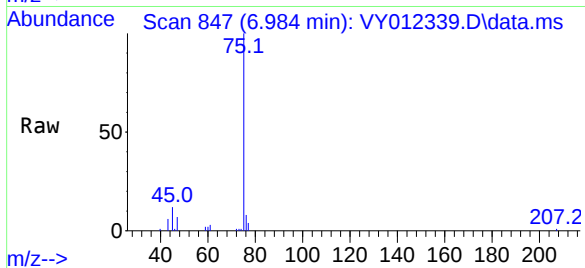
ClientSampleId :

Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

72 19.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012339.D

Acq: 24 Jan 2023 14:05

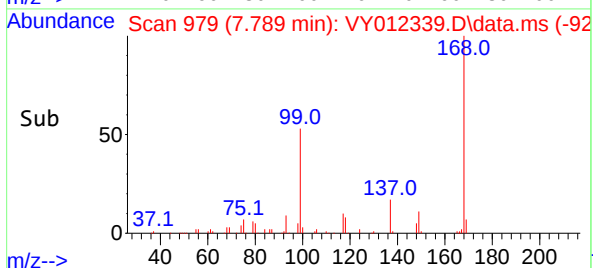
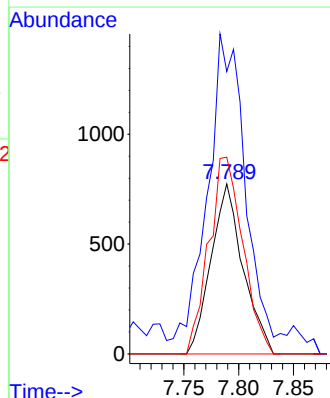
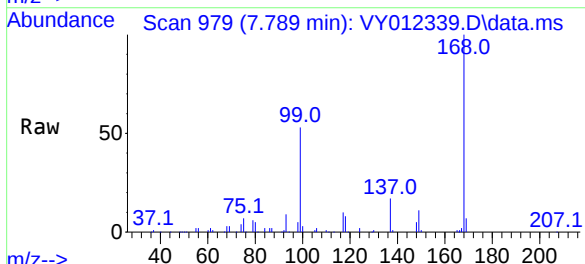
Tgt Ion: 56 Resp: 1572

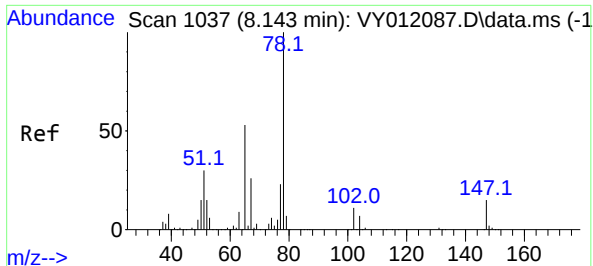
Ion Ratio Lower Upper

56 100

69 154.1 29.2 43.8#

84 115.8 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 79.079 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012339.D

Acq: 24 Jan 2023 14:05

Instrument :

MSVOA\_Y

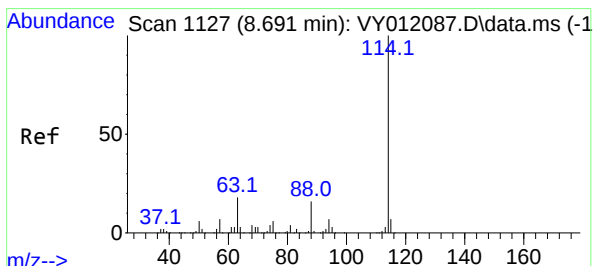
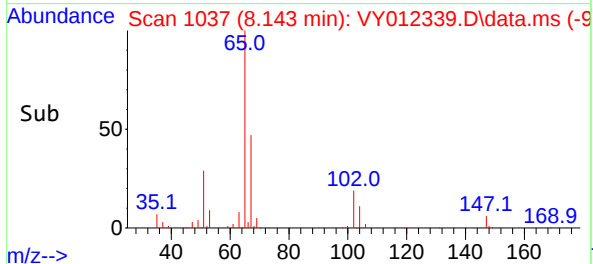
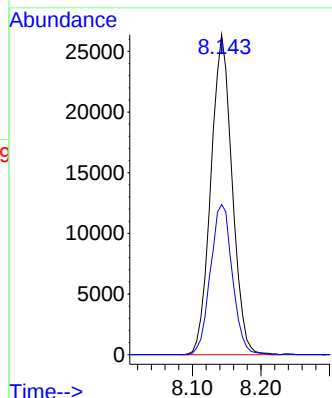
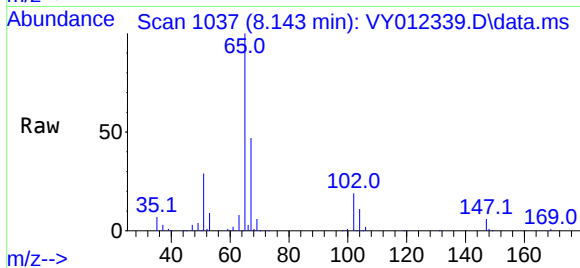
ClientSampleId :

Tgt Ion: 65 Resp: 56856

Ion Ratio Lower Upper

65 100

67 48.4 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: VY012339.D

Acq: 24 Jan 2023 14:05

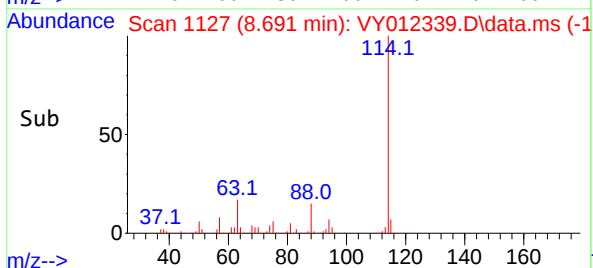
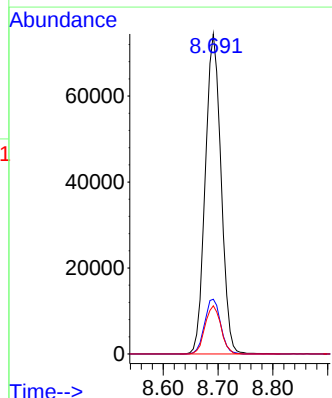
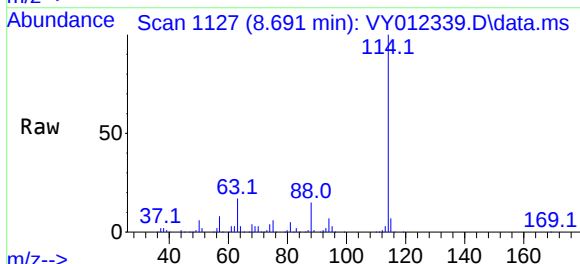
Tgt Ion: 114 Resp: 148229

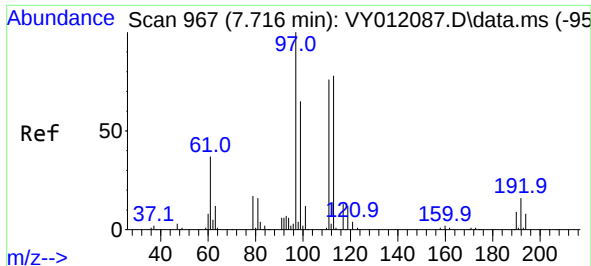
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

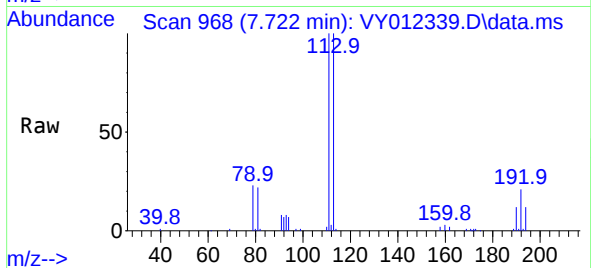
88 15.1 0.0 32.2



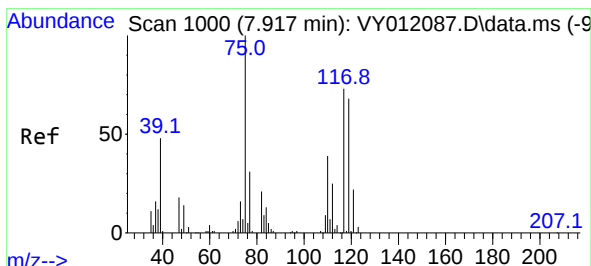
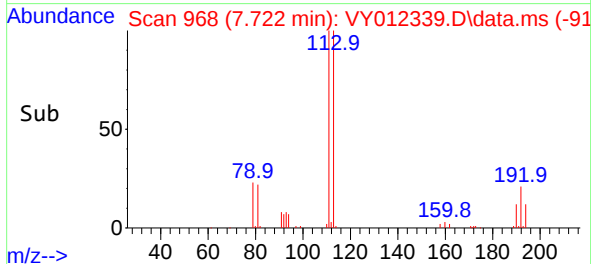
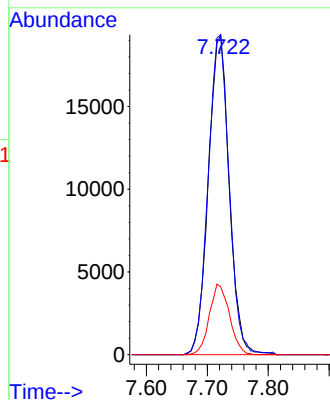


#35  
Dibromofluoromethane  
Concen: 58.463 ug/l  
RT: 7.722 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

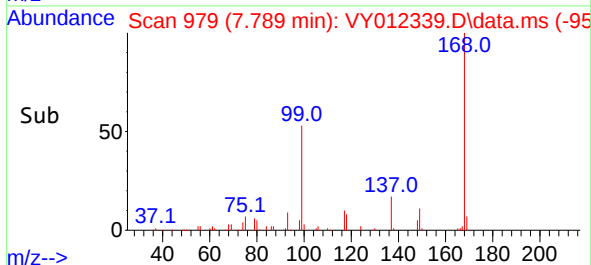
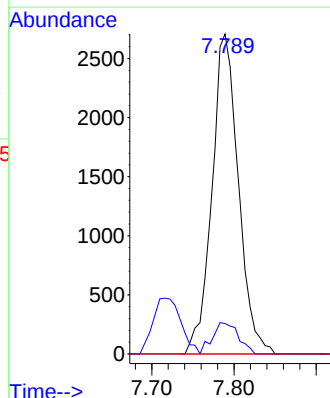
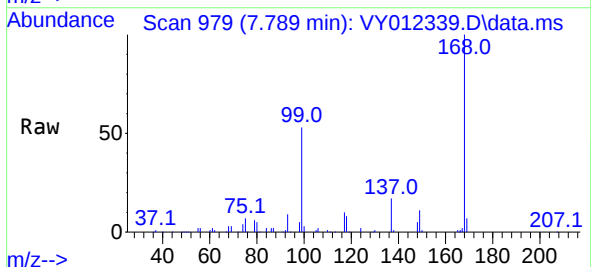


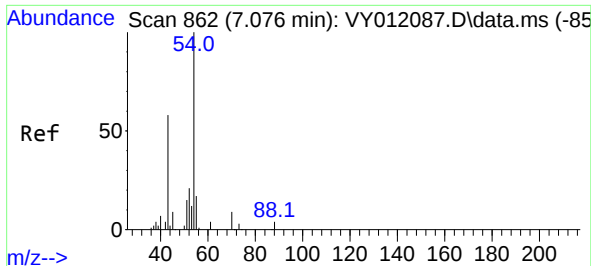
Tgt Ion:113 Resp: 45886  
Ion Ratio Lower Upper  
113 100  
111 100.7 83.0 124.4  
192 21.3 16.0 24.0



#36  
1,1-Dichloropropene  
Concen: 4.538 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

Tgt Ion: 75 Resp: 6053  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.1 54.1#  
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.743 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.092 min

Lab File: VY012339.D

Acq: 24 Jan 2023 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

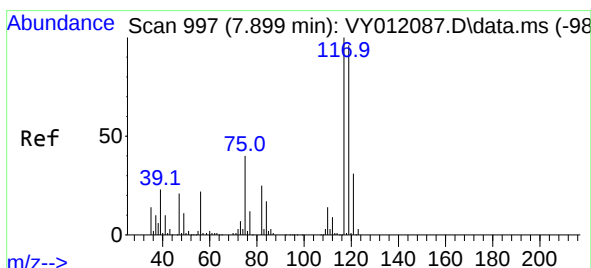
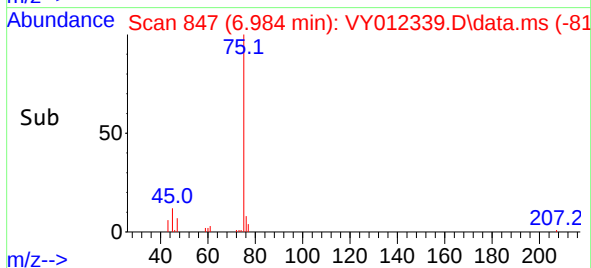
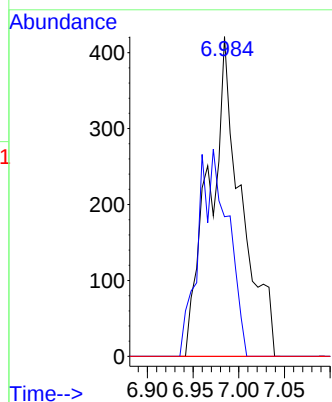
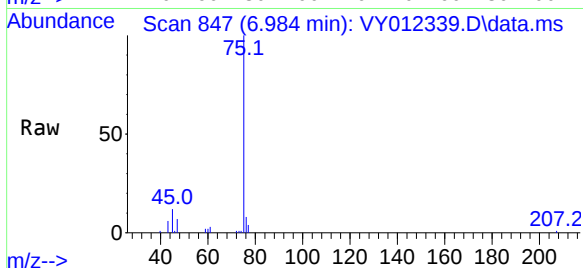
Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

61 60.6 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.070 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012339.D

Acq: 24 Jan 2023 14:05

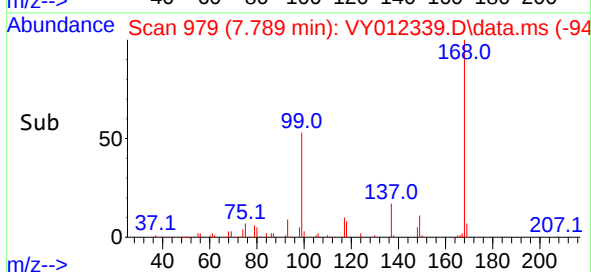
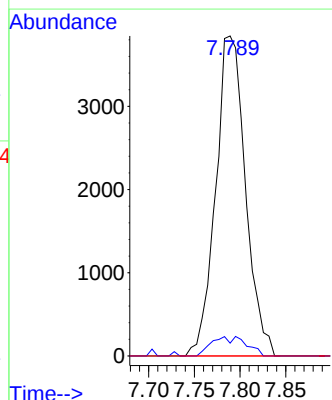
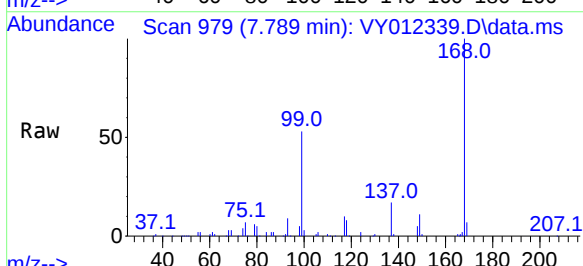
Tgt Ion: 117 Resp: 8735

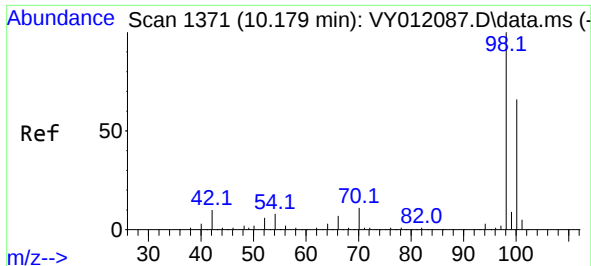
Ion Ratio Lower Upper

117 100

119 4.0 73.8 110.8#

121 0.0 25.2 37.8#

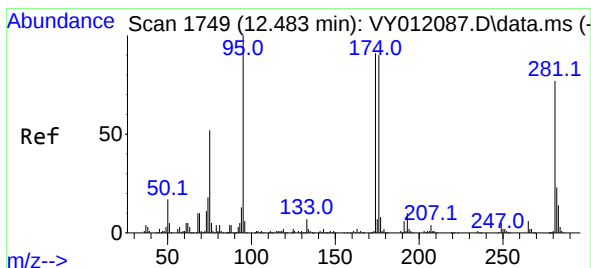
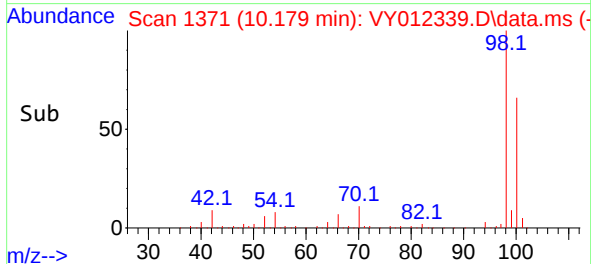
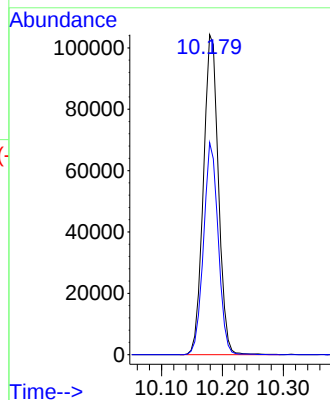
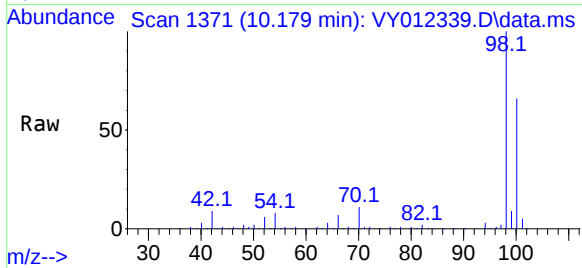




#50  
Toluene-d8  
Concen: 67.210 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

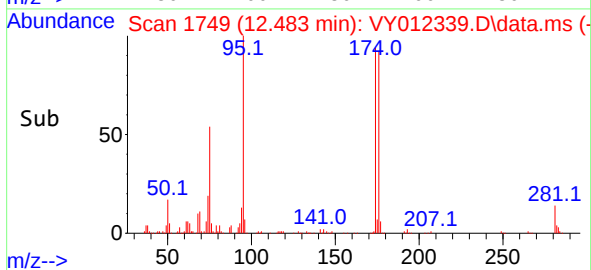
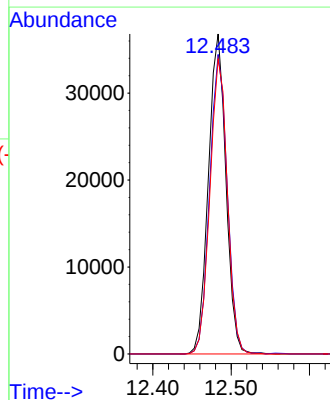
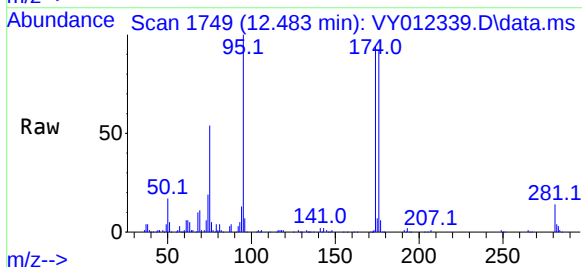
Instrument :  
MSVOA\_Y  
ClientSampleId :

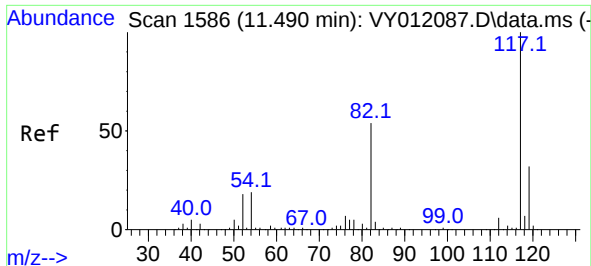
Tgt Ion: 98 Resp: 178720  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 51.755 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

Tgt Ion: 95 Resp: 57263  
Ion Ratio Lower Upper  
95 100  
174 93.7 0.0 172.0  
176 91.6 0.0 167.6

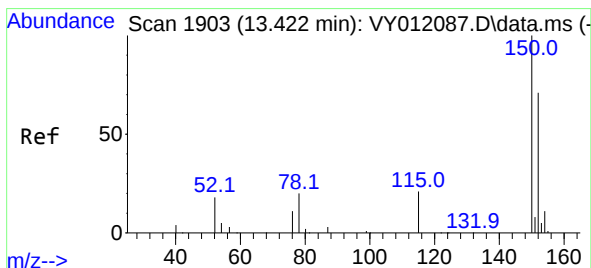
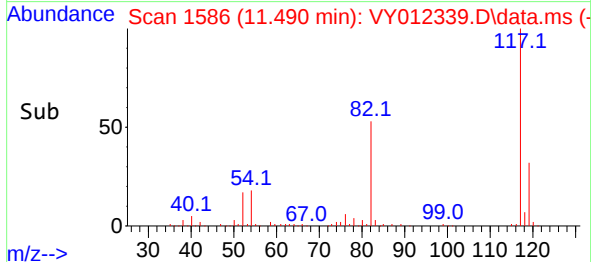
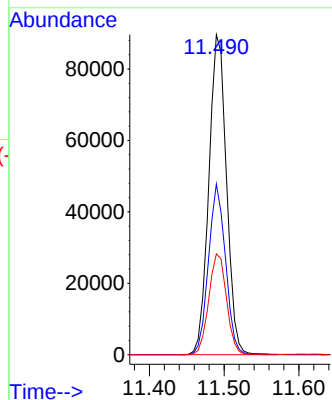
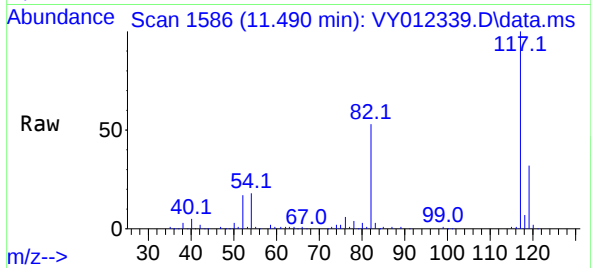




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

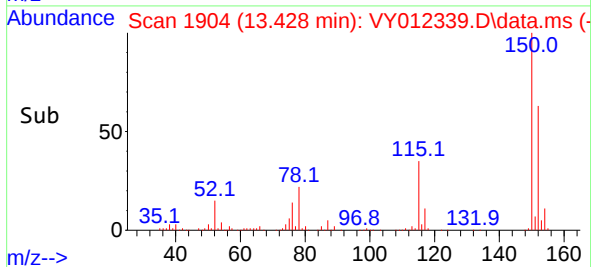
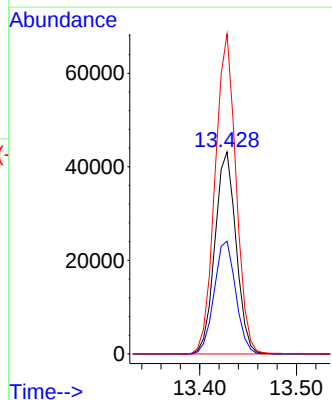
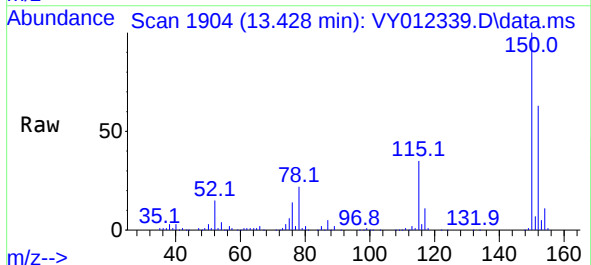
Instrument :  
MSVOA\_Y  
ClientSampleId :

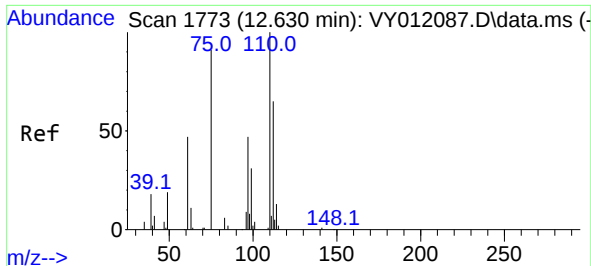
Tgt Ion:117 Resp: 146924  
Ion Ratio Lower Upper  
117 100  
82 53.4 44.8 67.2  
119 31.5 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

Tgt Ion:152 Resp: 65625  
Ion Ratio Lower Upper  
152 100  
115 56.9 29.1 87.3  
150 156.8 0.0 342.6

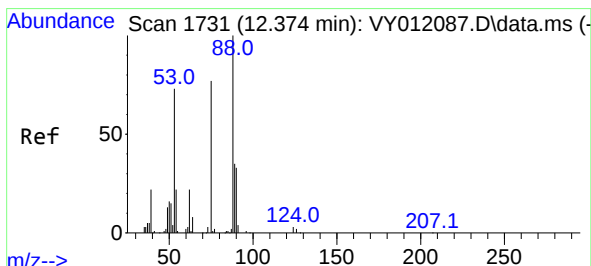
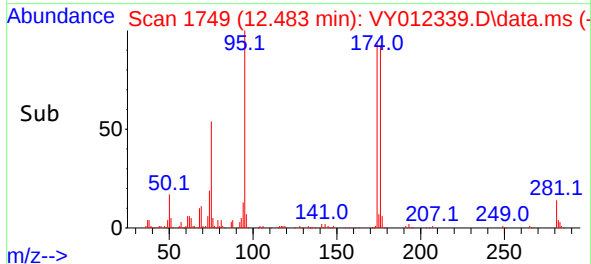
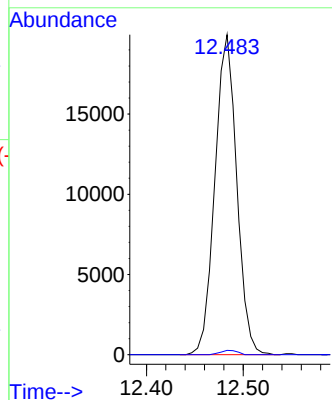
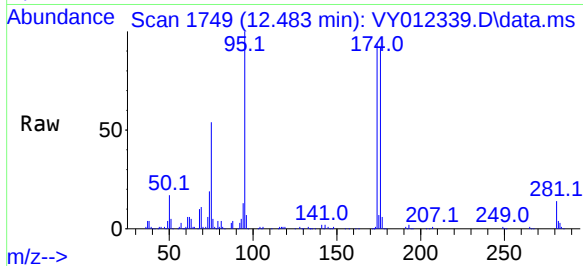




#76  
1,2,3-Trichloropropane  
Concen: 51.715 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 31207  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 106.555 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.109 min  
Lab File: VY012339.D  
Acq: 24 Jan 2023 14:05

Tgt Ion: 75 Resp: 31207  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#

