

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062922\  
 Data File : VY009374.D  
 Acq On : 29 Jun 2022 15:45  
 Operator : KP/MD  
 Sample : N3492-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-PILE

Quant Time: Jun 29 17:44:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 17:35:34 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 150467   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 256913   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 246501   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 108813   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 68012    | 56.433   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.860% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 60558    | 42.828   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 85.660%  |
| 50) Toluene-d8              | 10.173 | 98    | 232813   | 53.702   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 107.400% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 74117    | 36.047   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 72.100%  |

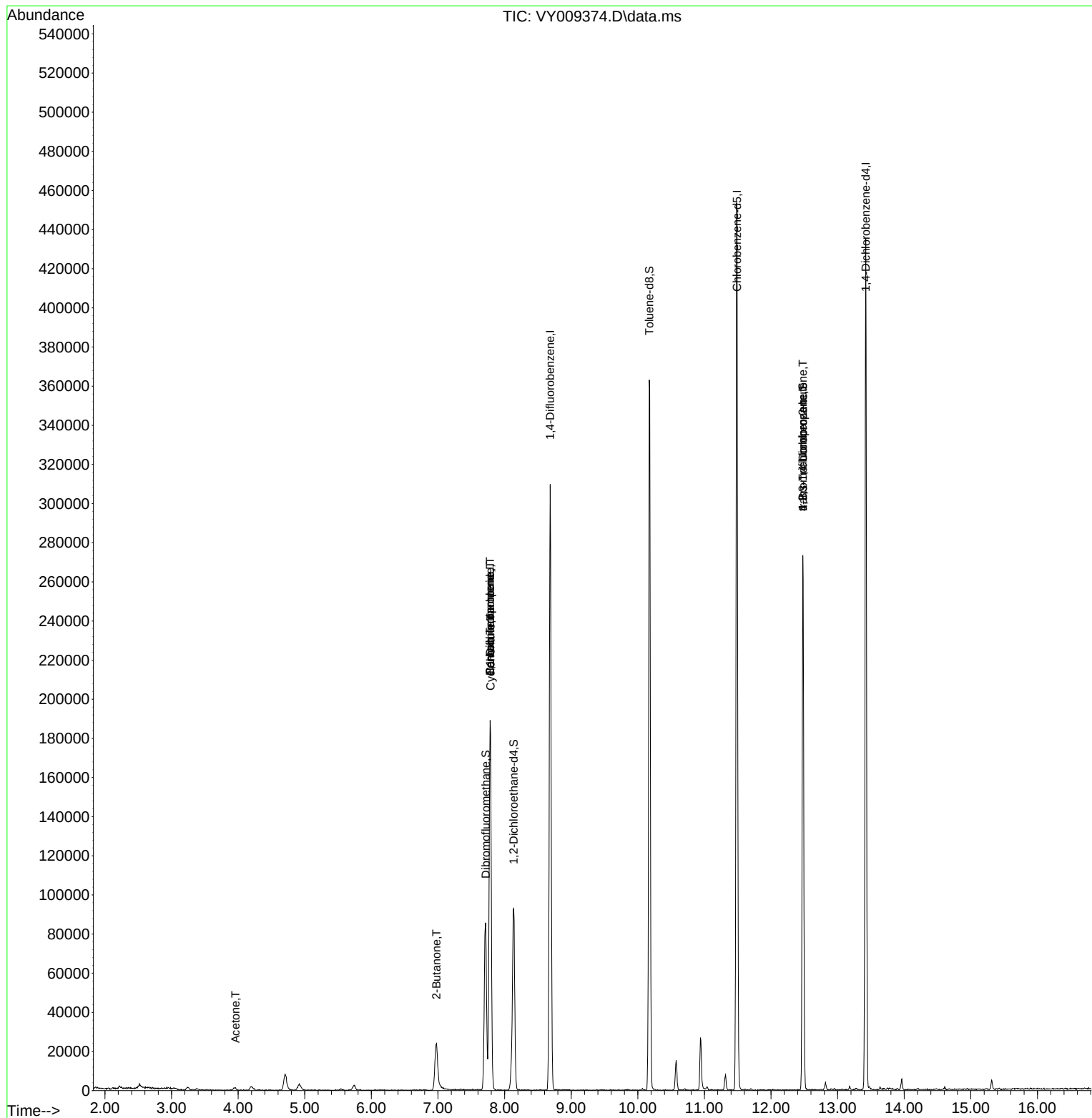
| Target Compounds              |        |     |       |           | Qvalue |       |
|-------------------------------|--------|-----|-------|-----------|--------|-------|
| 11) Tert butyl alcohol        | 4.930  | 59  | 3365  | Below Cal | #      | 77    |
| 16) Acetone                   | 3.960  | 43  | 2192  | 5.538     | ug/l   | 99    |
| 18) Methyl Acetate            | 4.466  | 43  | 106   | Below Cal |        | 98    |
| 20) Methylene Chloride        | 4.704  | 84  | 5947  | Below Cal | #      | 93    |
| 25) 2-Butanone                | 6.978  | 43  | 1664  | 2.652     | ug/l   | # 54  |
| 31) Cyclohexane               | 7.789  | 56  | 3211  | 1.185     | ug/l   | # 1   |
| 36) 1,1-Dichloropropene       | 7.783  | 75  | 11067 | 4.476     | ug/l   | # 51  |
| 38) Carbon Tetrachloride      | 7.783  | 117 | 14229 | 5.506     | ug/l   | # 17  |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75  | 40371 | 31.681    | ug/l   | # 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75  | 40371 | 70.538    | ug/l   | # 7   |

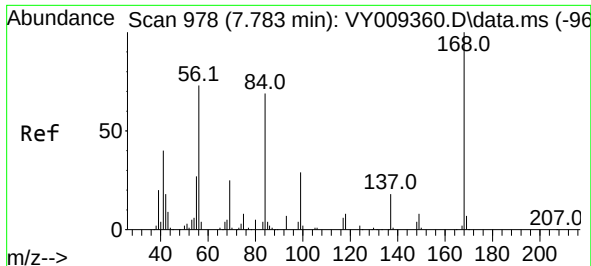
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062922\  
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Sample : N3492-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-PILE

Quant Time: Jun 29 17:44:59 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 17:35:34 2022  
Response via : Initial Calibration

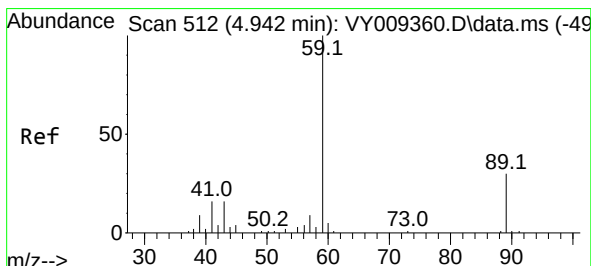
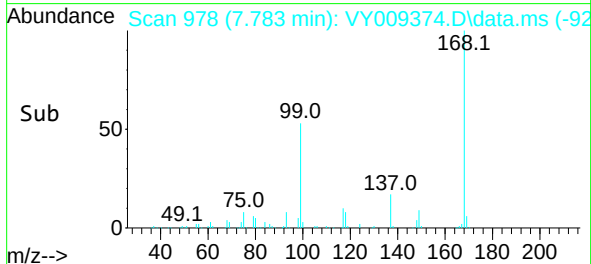
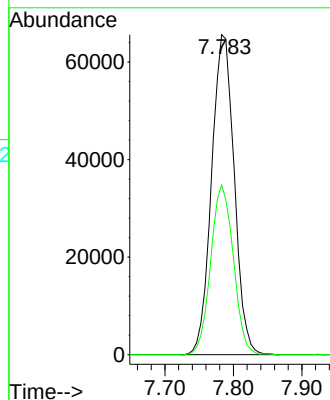
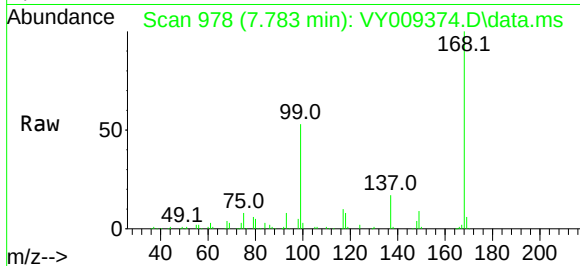




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

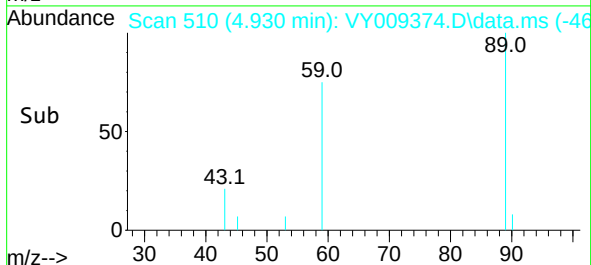
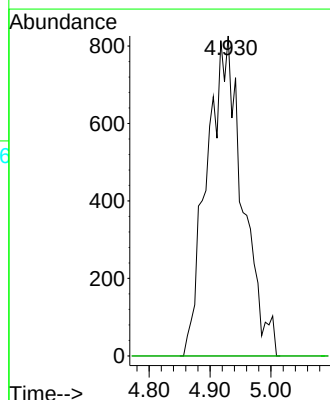
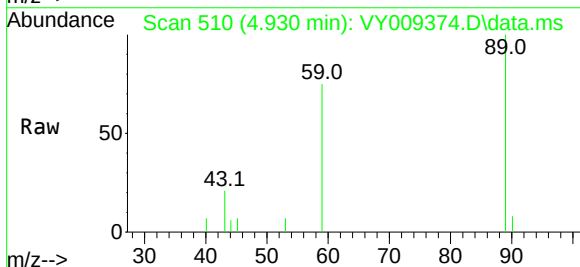
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-PILE

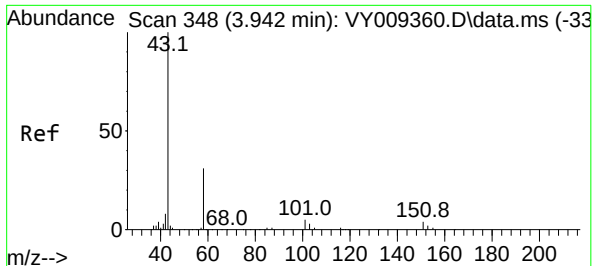
Tgt Ion:168 Resp: 150467  
Ion Ratio Lower Upper  
168 100  
99 53.0 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.930 min Scan# 510  
Delta R.T. -0.012 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

Tgt Ion: 59 Resp: 3365  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

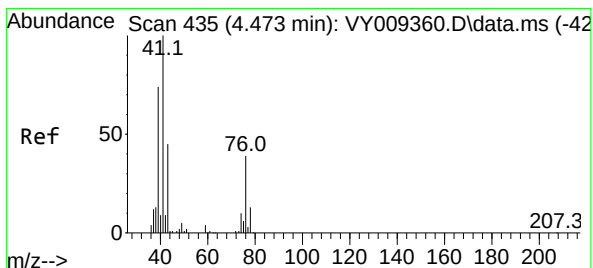
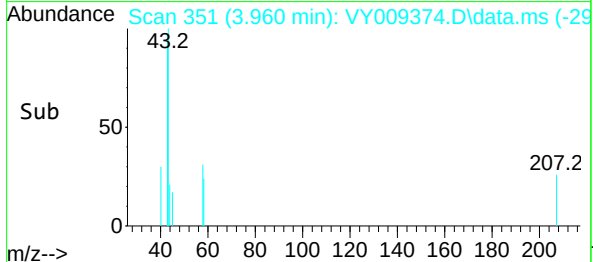
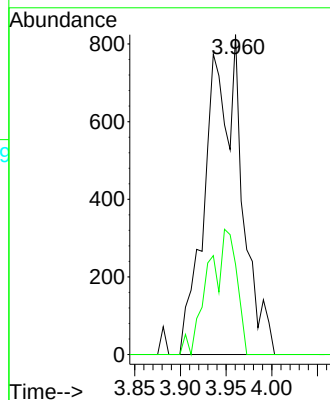
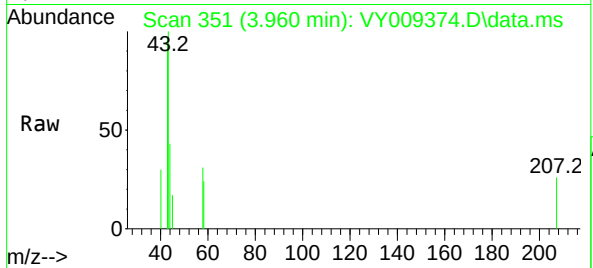




#16  
Acetone  
Concen: 5.538 ug/l  
RT: 3.960 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

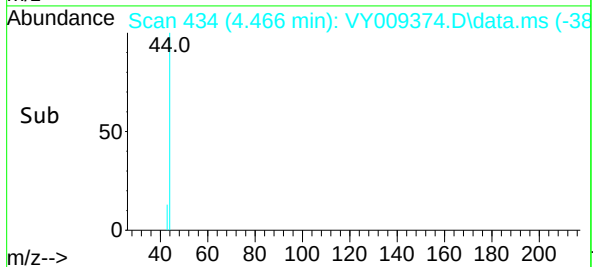
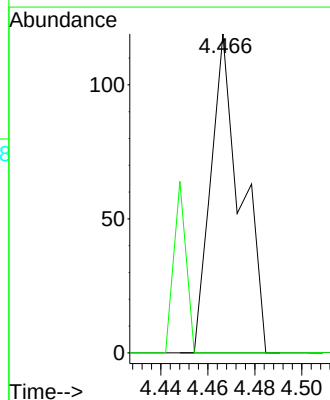
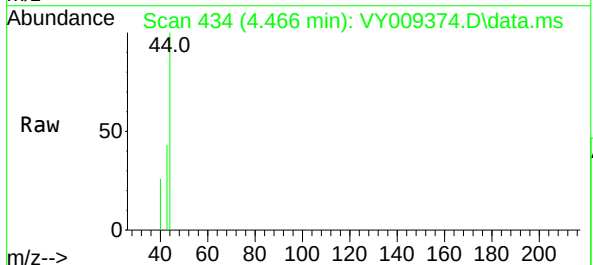
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-PILE

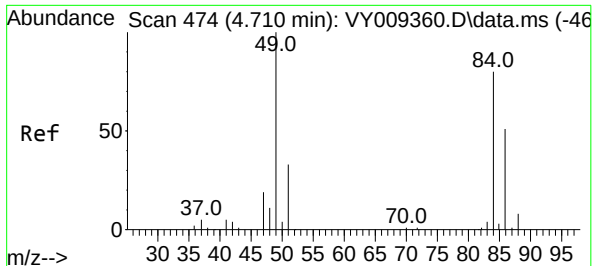
Tgt Ion: 43 Resp: 2192  
Ion Ratio Lower Upper  
43 100  
58 28.2 22.0 33.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.466 min Scan# 434  
Delta R.T. -0.007 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

Tgt Ion: 43 Resp: 106  
Ion Ratio Lower Upper  
43 100  
74 21.7 16.6 24.8

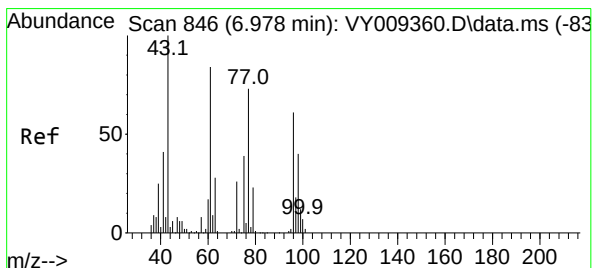
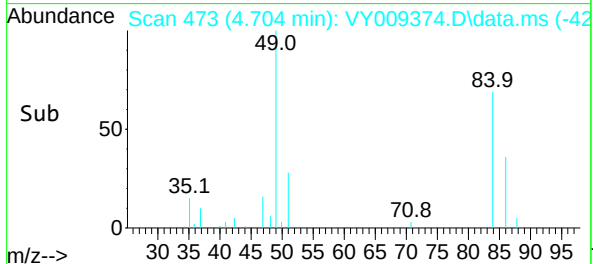
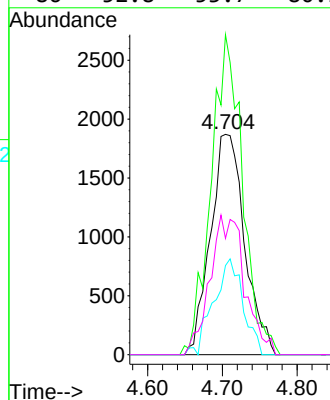
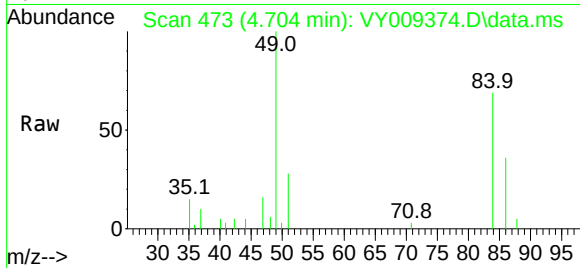




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

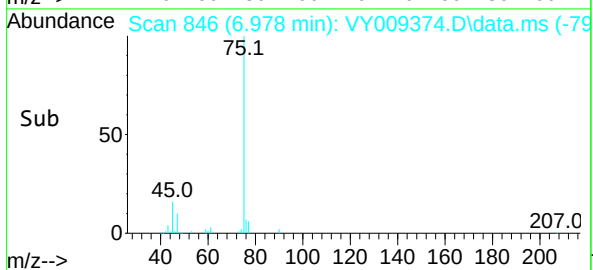
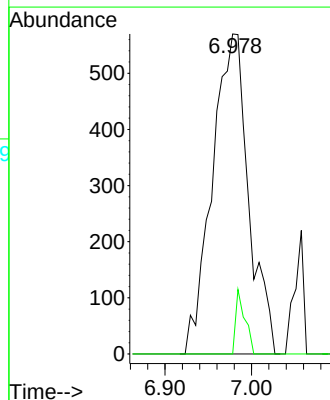
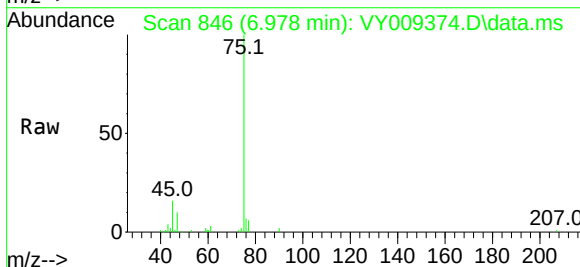
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-PILE

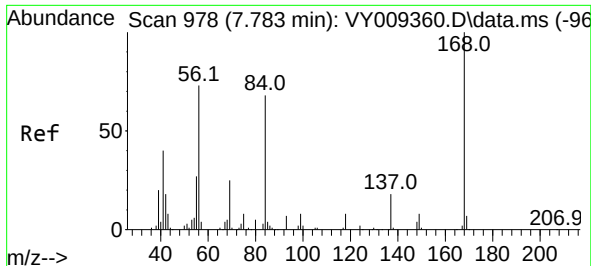
Tgt Ion: 84 Resp: 5947  
Ion Ratio Lower Upper  
84 100  
49 145.2 114.4 171.6  
51 40.5 35.3 52.9  
86 52.8 53.7 80.5#



#25  
2-Butanone  
Concen: 2.652 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

Tgt Ion: 43 Resp: 1664  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#

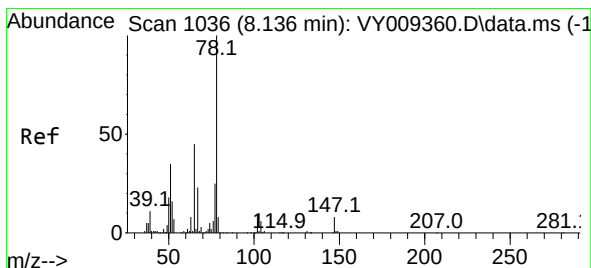
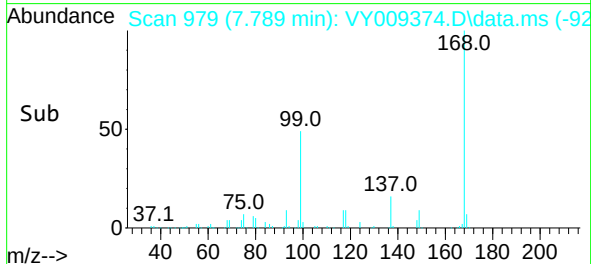
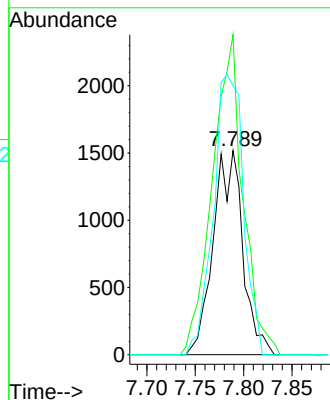
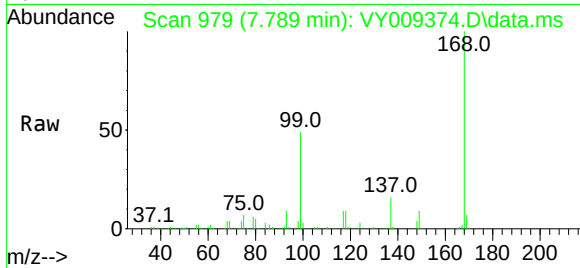




#31  
Cyclohexane  
Concen: 1.185 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

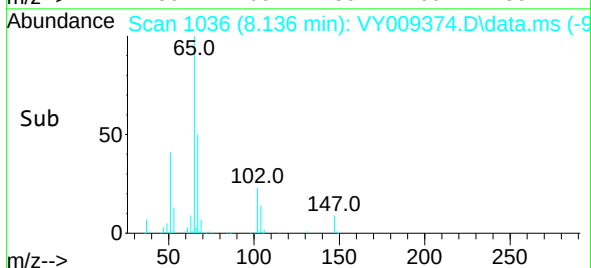
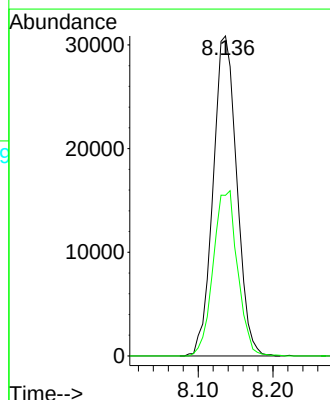
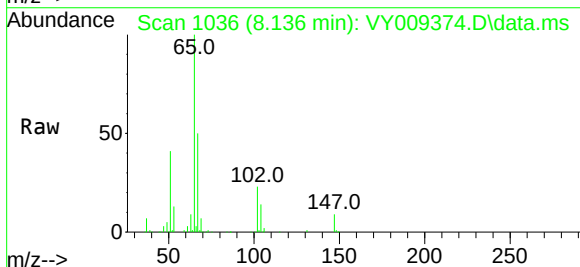
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-PILE

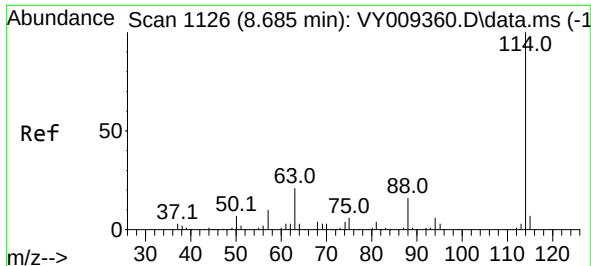
Tgt Ion: 56 Resp: 3211  
Ion Ratio Lower Upper  
56 100  
69 156.8 26.7 40.1#  
84 131.7 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 56.433 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

Tgt Ion: 65 Resp: 68012  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009374.D

Acq: 29 Jun 2022 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

SOIL-PILE

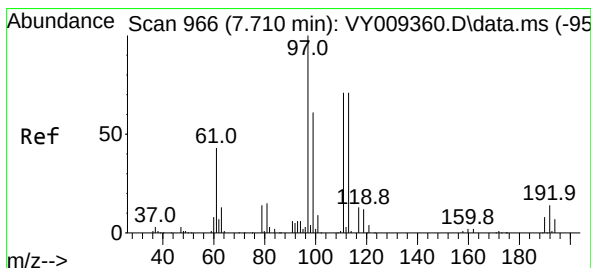
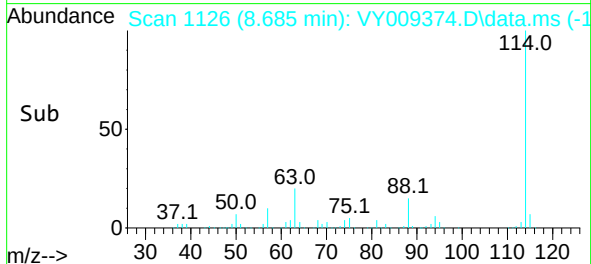
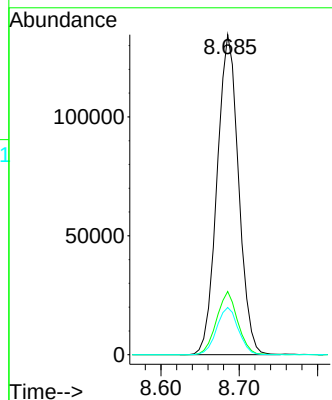
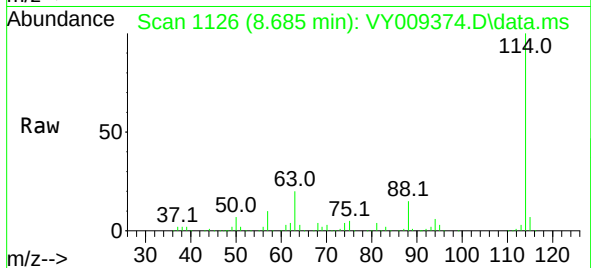
Tgt Ion:114 Resp: 256913

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.828 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY009374.D

Acq: 29 Jun 2022 15:45

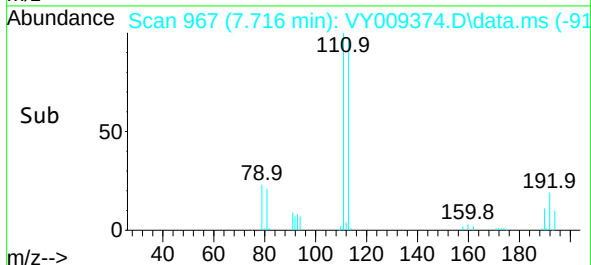
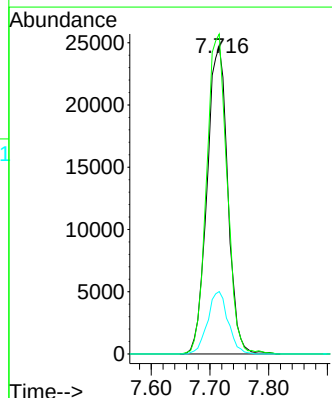
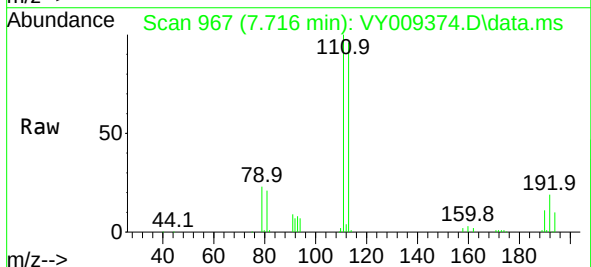
Tgt Ion:113 Resp: 60558

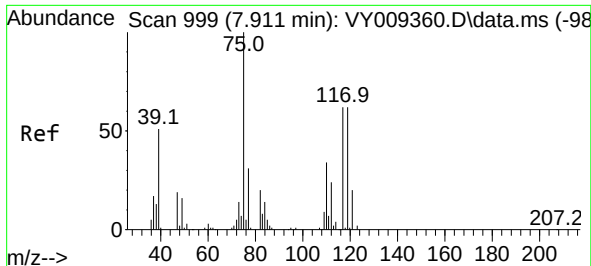
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 20.0 17.6 26.4

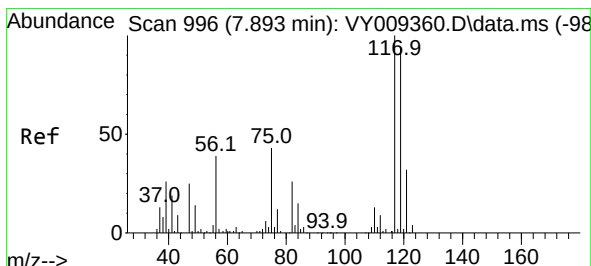
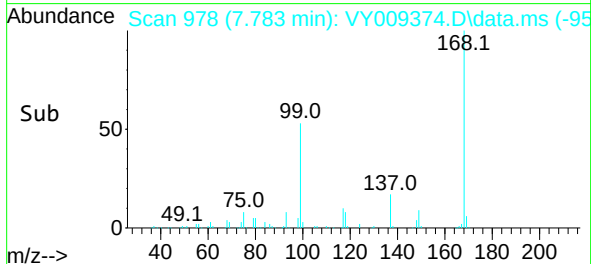
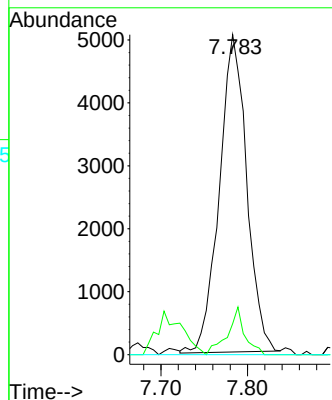
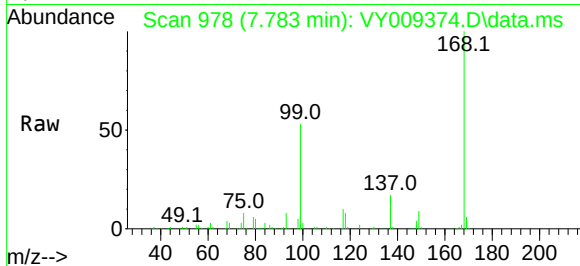




#36  
1,1-Dichloropropene  
Concen: 4.476 ug/l  
RT: 7.783 min Scan# 911  
Delta R.T. -0.128 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

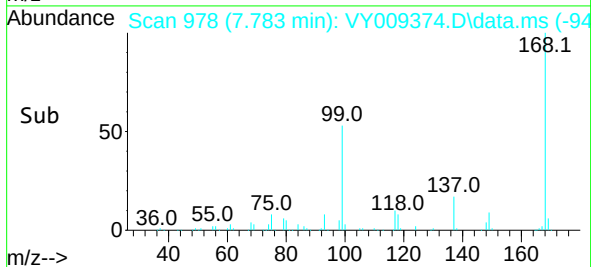
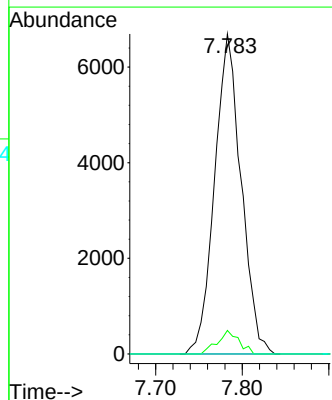
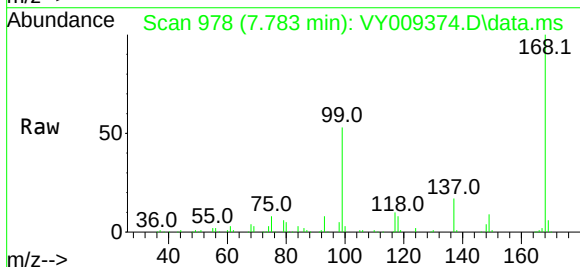
Instrument :  
MSVOA\_Y  
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SOIL-PILE

Tgt Ion: 75 Resp: 11067  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.1 51.2#  
77 0.0 24.4 36.6#

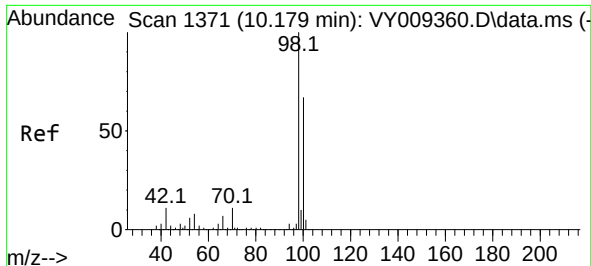


#38  
Carbon Tetrachloride  
Concen: 5.506 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.110 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

Tgt Ion: 117 Resp: 14229  
Ion Ratio Lower Upper  
117 100  
119 7.4 77.9 116.9#  
121 0.0 24.8 37.2#



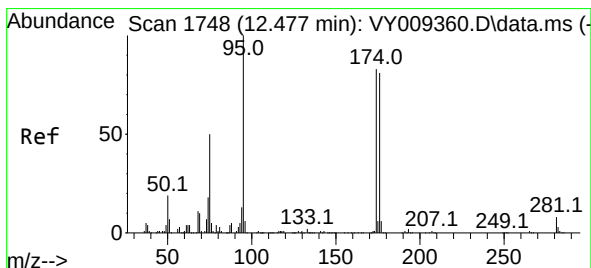
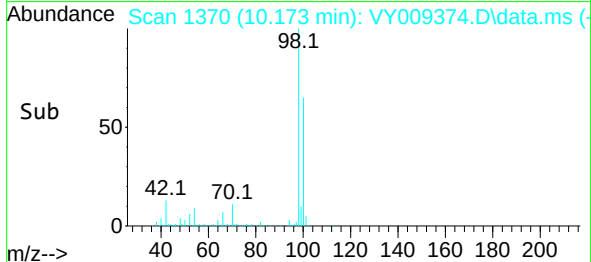
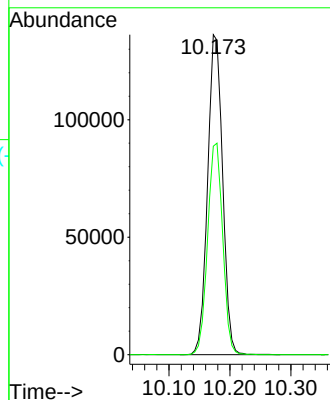
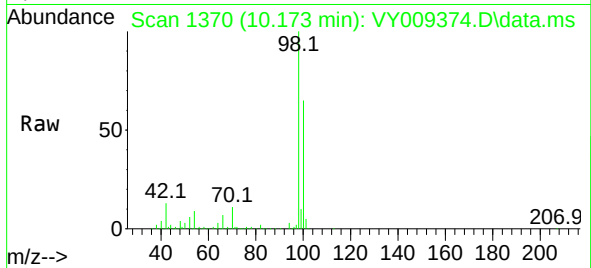




#50  
Toluene-d8  
Concen: 53.702 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

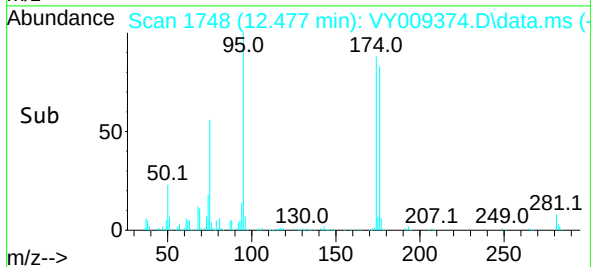
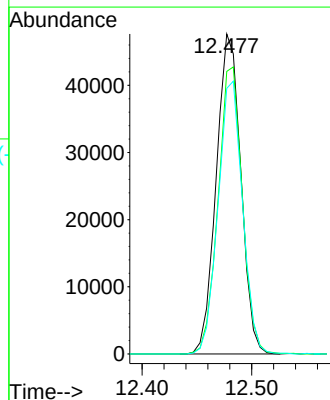
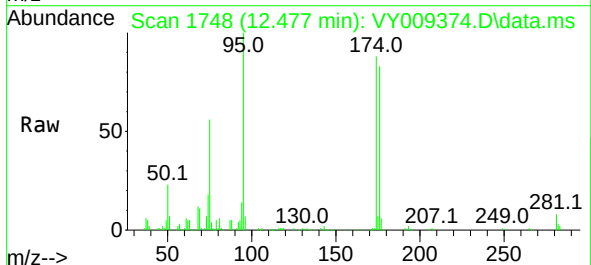
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-PILE

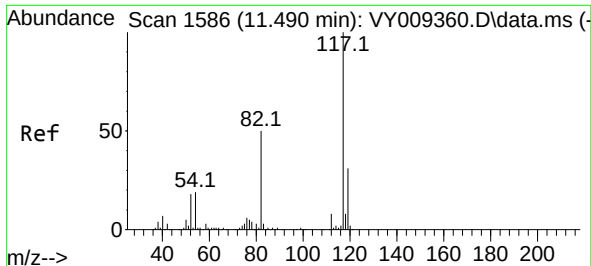
Tgt Ion: 98 Resp: 232813  
Ion Ratio Lower Upper  
98 100  
100 66.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 36.047 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

Tgt Ion: 95 Resp: 74117  
Ion Ratio Lower Upper  
95 100  
174 88.6 0.0 177.0  
176 85.1 0.0 175.8

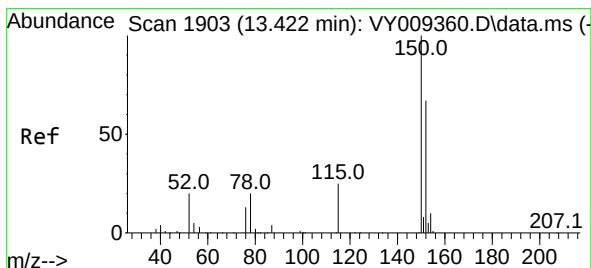
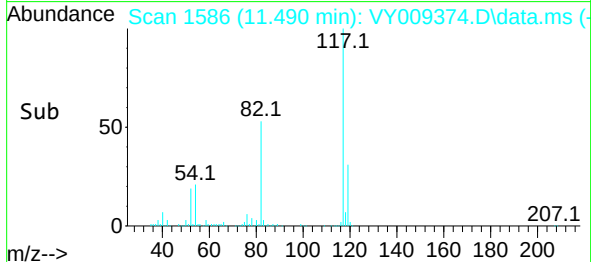
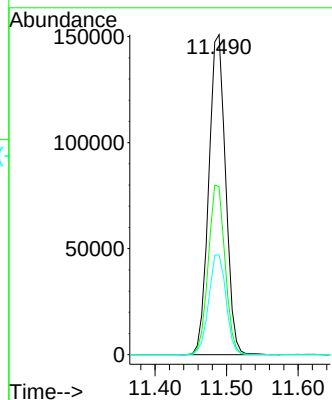
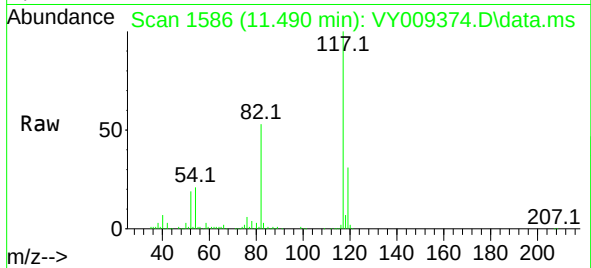




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

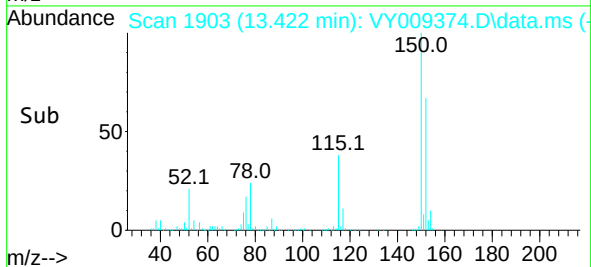
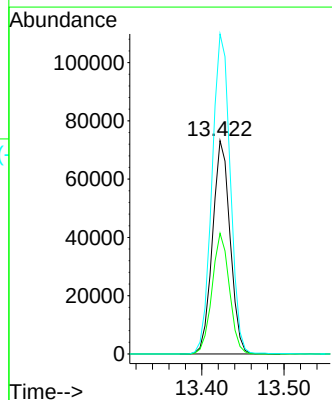
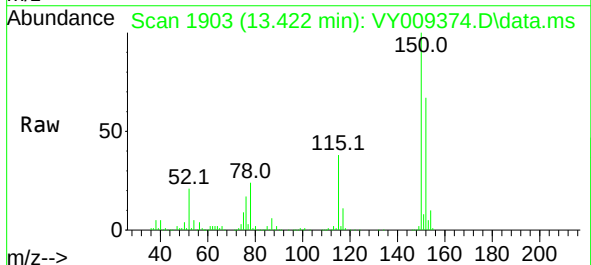
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-PILE

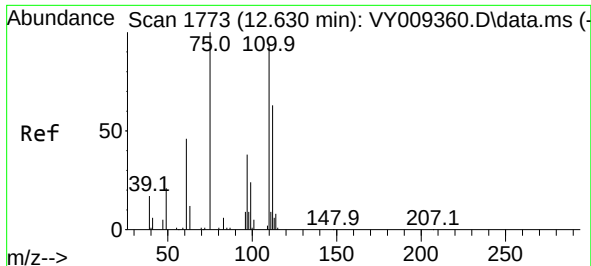
Tgt Ion:117 Resp: 246501  
Ion Ratio Lower Upper  
117 100  
82 52.5 43.0 64.4  
119 31.2 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

Tgt Ion:152 Resp: 108813  
Ion Ratio Lower Upper  
152 100  
115 55.6 28.2 84.7  
150 155.4 0.0 347.6

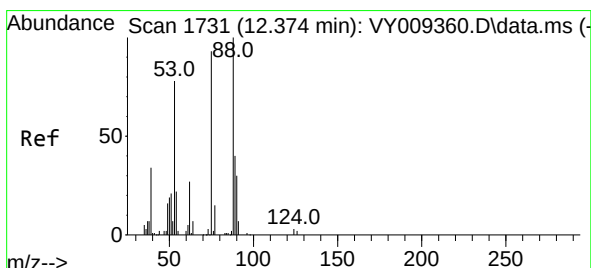
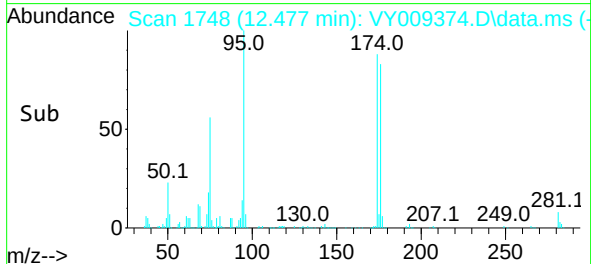
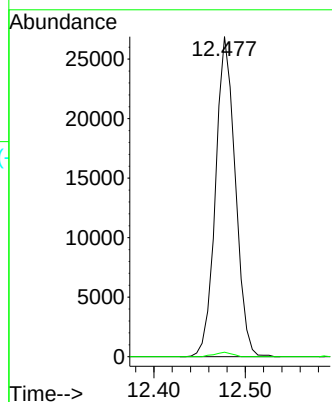
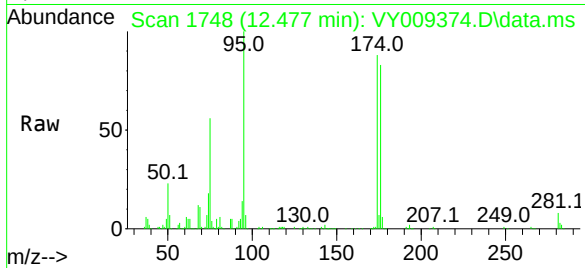




#76  
1,2,3-Trichloropropane  
Concen: 31.681 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-PILE

Tgt Ion: 75 Resp: 40371  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.538 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.103 min  
Lab File: VY009374.D  
Acq: 29 Jun 2022 15:45

Tgt Ion: 75 Resp: 40371  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.2 37.0 55.4#

