

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111121\  
 Data File : VD070998.D  
 Acq On : 11 Nov 2021 18:20  
 Operator : VA/SY  
 Sample : M4583-06  
 Misc : 5.15G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VWE-B7-110621-29-30

Quant Time: Nov 12 08:03:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110921S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 10 03:55:51 2021  
 Response via : Initial Calibration

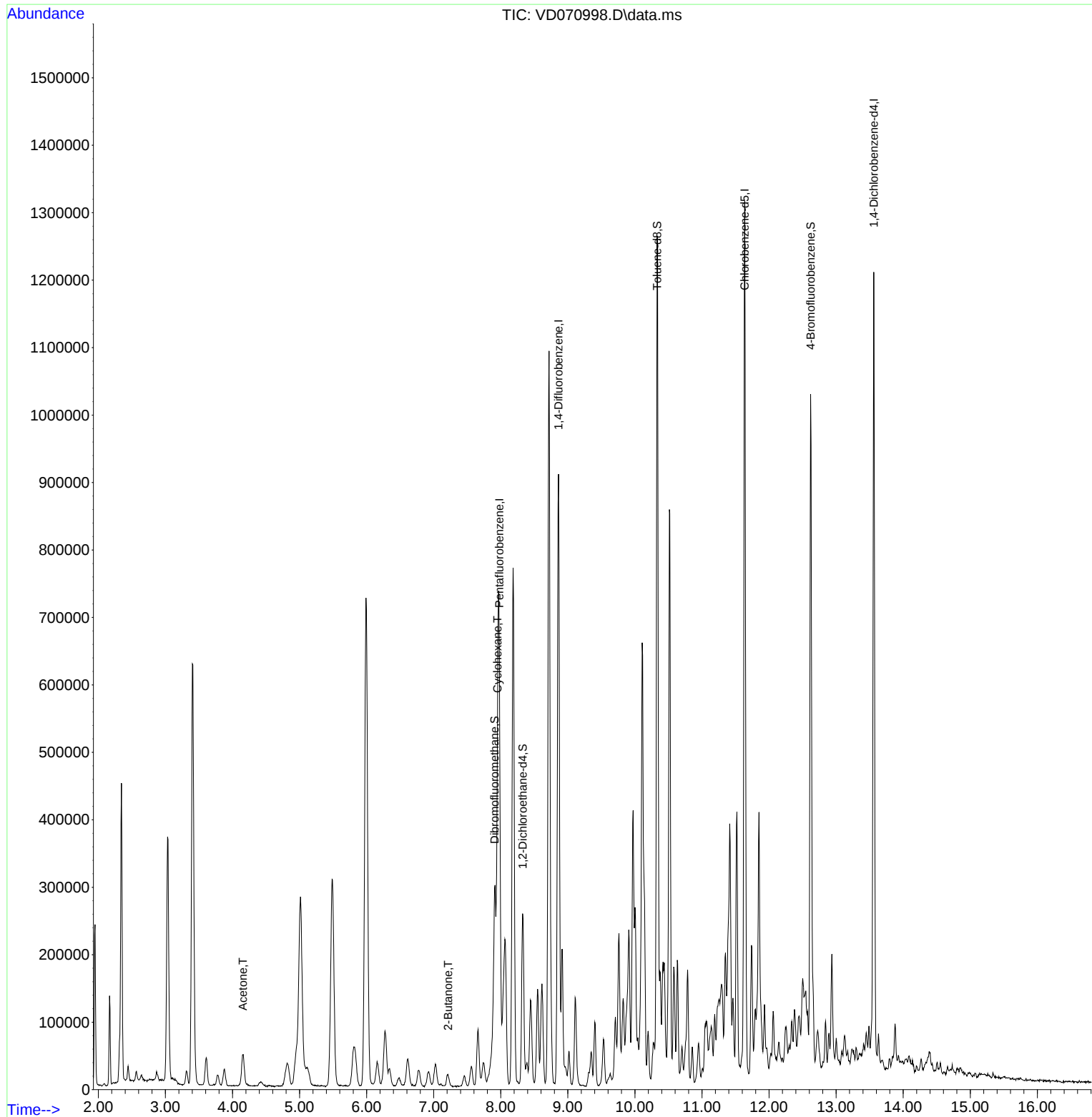
| Compound                    | R.T. QIon      |     | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|----------------|-----|----------|------------|--------|----------|
| -----                       |                |     |          |            |        |          |
| Internal Standards          |                |     |          |            |        |          |
| 1) Pentafluorobenzene       | 7.979          | 168 | 365743   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861          | 114 | 638931   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638         | 117 | 624897   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561         | 152 | 282734   | 50.000     | ug/l   | 0.00     |
|                             |                |     |          |            |        |          |
| System Monitoring Compounds |                |     |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326          | 65  | 202791   | 52.077     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |     | Recovery | = 104.160% |        |          |
| 35) Dibromofluoromethane    | 7.908          | 113 | 193776   | 53.747     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |     | Recovery | = 107.500% |        |          |
| 50) Toluene-d8              | 10.332         | 98  | 806793   | 57.140     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |     | Recovery | = 114.280% |        |          |
| 62) 4-Bromofluorobenzene    | 12.620         | 95  | 304763   | 59.947     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |     | Recovery | = 119.900% |        |          |
|                             |                |     |          |            |        |          |
| Target Compounds            |                |     |          |            |        | Qvalue   |
| 16) Acetone                 | 4.156          | 43  | 84543    | 93.824     | ug/l   | 89       |
| 25) 2-Butanone              | 7.214          | 43  | 29134    | 40.059     | ug/l # | 87       |
| 31) Cyclohexane             | 7.950          | 56  | 80343    | 10.033     | ug/l # | 46       |
| -----                       |                |     |          |            |        |          |

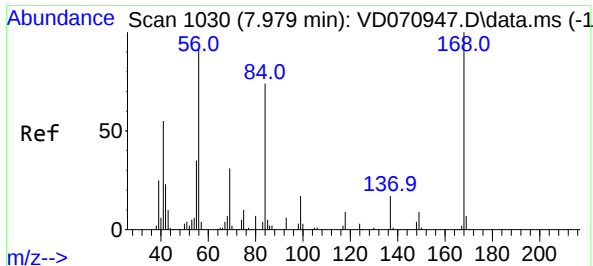
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111121\  
Data File : VD070998.D  
Acq On : 11 Nov 2021 18:20  
Operator : VA/SY  
Sample : M4583-06  
Misc : 5.15G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VWE-B7-110621-29-30

Quant Time: Nov 12 08:03:44 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110921S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 10 03:55:51 2021  
Response via : Initial Calibration

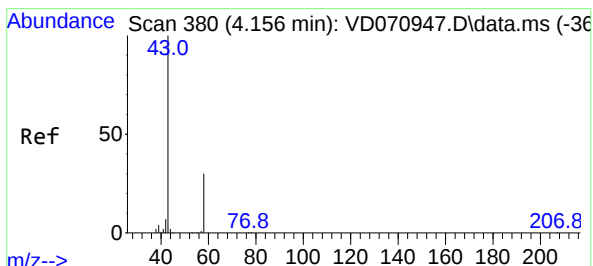
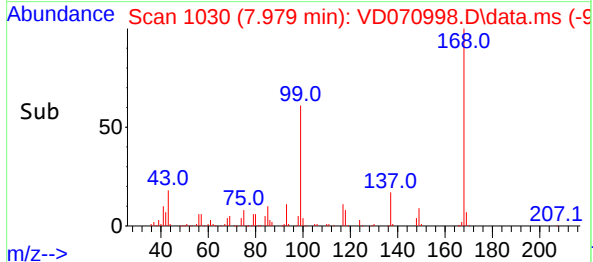
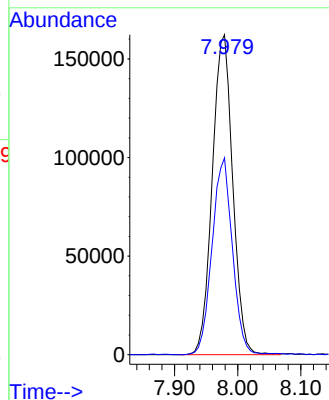
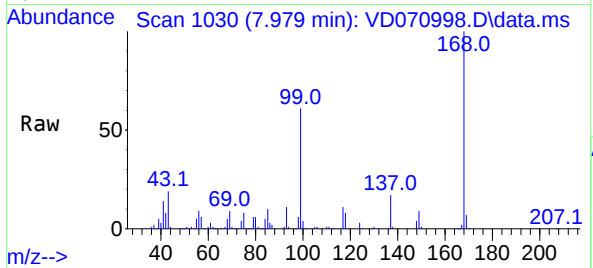




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070998.D  
Acq: 11 Nov 2021 18:20

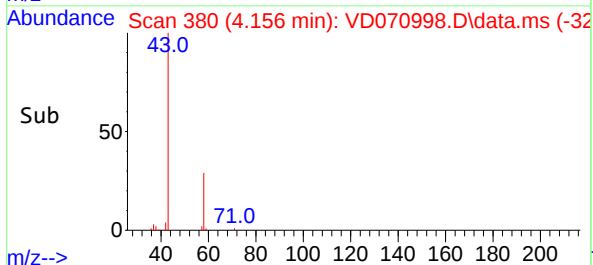
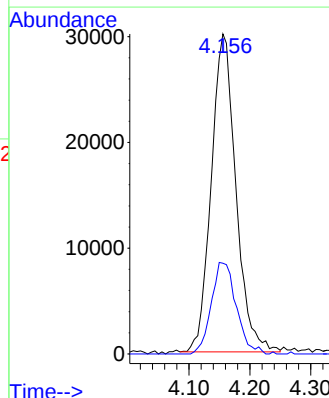
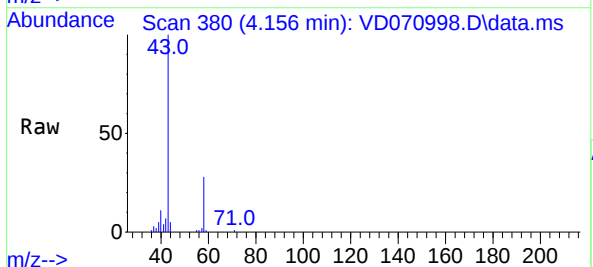
Instrument :  
MSVOA\_D  
ClientSampleId :  
VWE-B7-110621-29-30

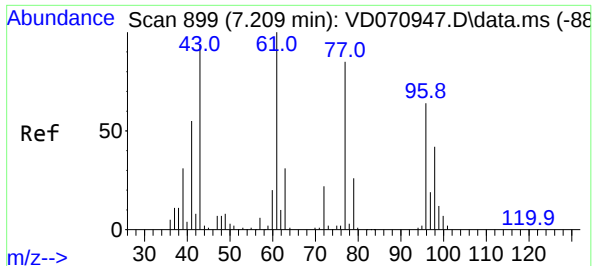
Tgt Ion:168 Resp: 365743  
Ion Ratio Lower Upper  
168 100  
99 61.5 46.6 69.8



#16  
Acetone  
Concen: 93.824 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD070998.D  
Acq: 11 Nov 2021 18:20

Tgt Ion: 43 Resp: 84543  
Ion Ratio Lower Upper  
43 100  
58 28.5 27.8 41.8

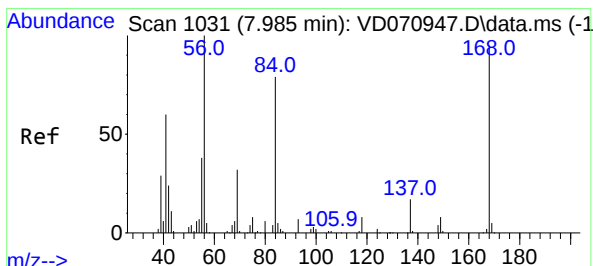
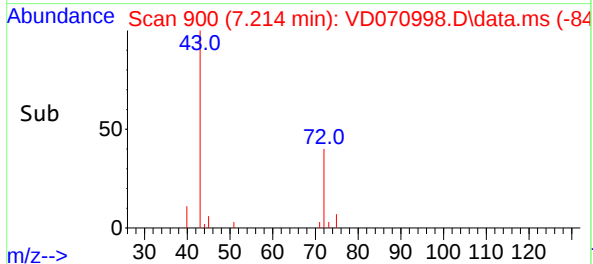
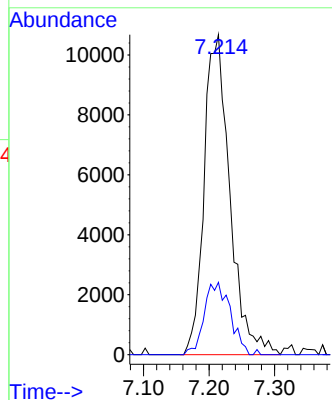
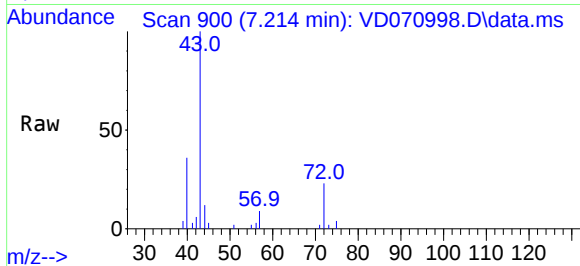




#25  
2-Butanone  
Concen: 40.059 ug/l  
RT: 7.214 min Scan# 90  
Delta R.T. 0.005 min  
Lab File: VD070998.D  
Acq: 11 Nov 2021 18:20

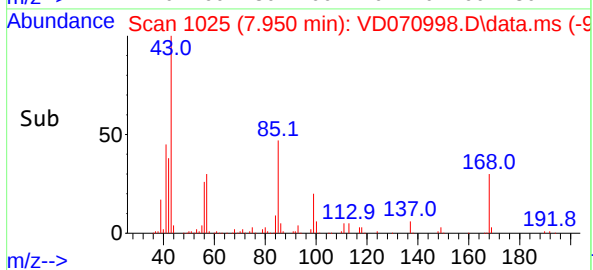
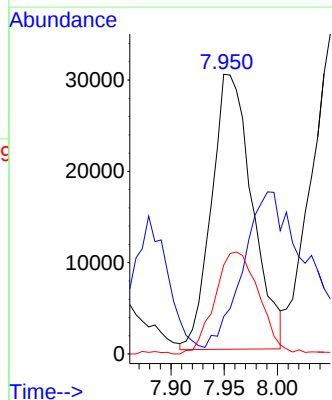
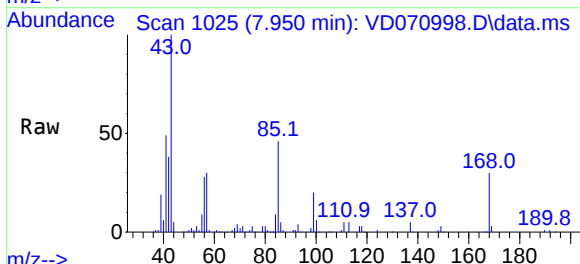
Instrument :  
MSVOA\_D  
ClientSampleId :  
VWE-B7-110621-29-30

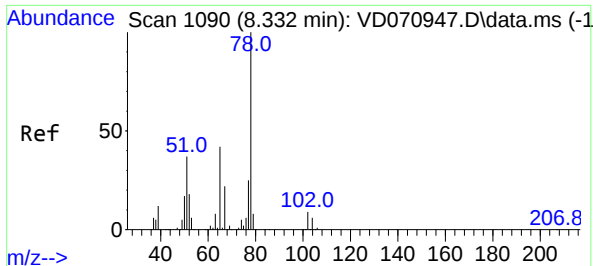
Tgt Ion: 43 Resp: 29134  
Ion Ratio Lower Upper  
43 100  
72 22.6 23.8 35.6#



#31  
Cyclohexane  
Concen: 10.033 ug/l  
RT: 7.950 min Scan# 1025  
Delta R.T. -0.035 min  
Lab File: VD070998.D  
Acq: 11 Nov 2021 18:20

Tgt Ion: 56 Resp: 80343  
Ion Ratio Lower Upper  
56 100  
69 1.3 25.9 38.9#  
84 33.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 52.077 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD070998.D

Acq: 11 Nov 2021 18:20

Instrument :

MSVOA\_D

ClientSampleId :

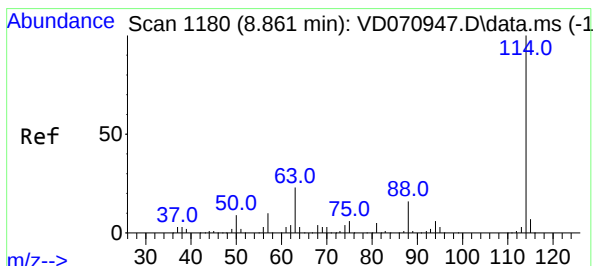
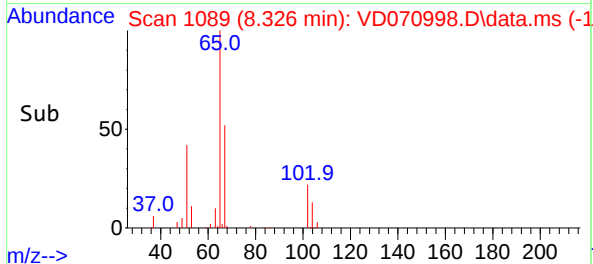
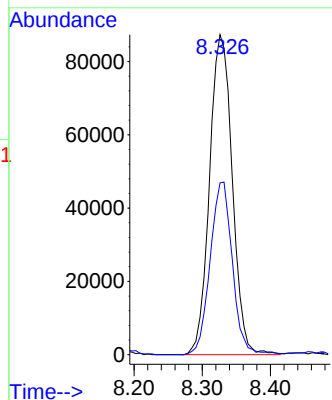
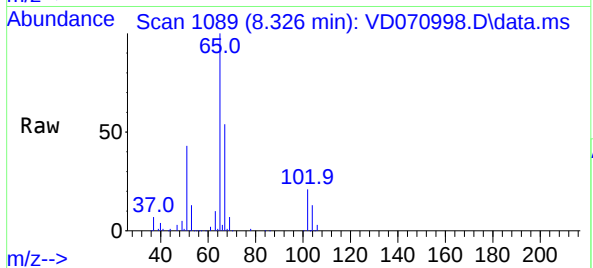
VWE-B7-110621-29-30

Tgt Ion: 65 Resp: 202791

Ion Ratio Lower Upper

65 100

67 52.4 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070998.D

Acq: 11 Nov 2021 18:20

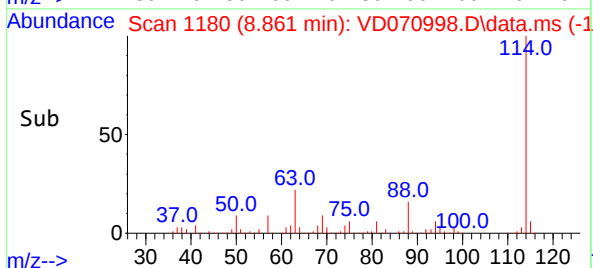
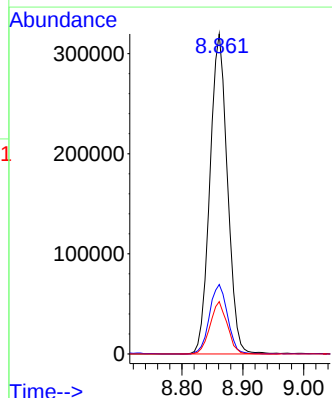
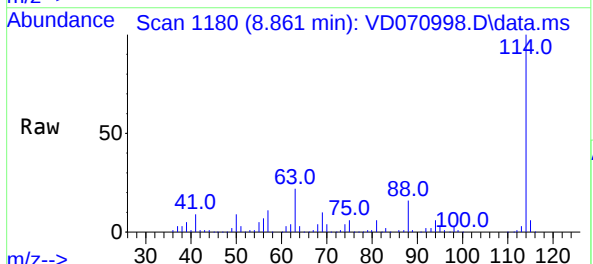
Tgt Ion: 114 Resp: 638931

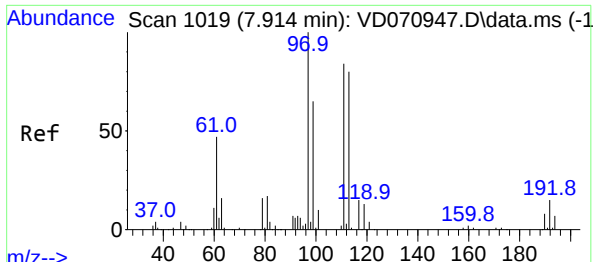
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 16.3 0.0 32.8

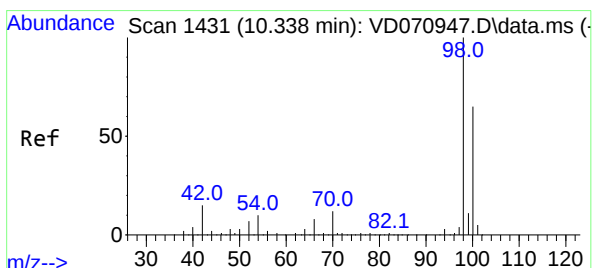
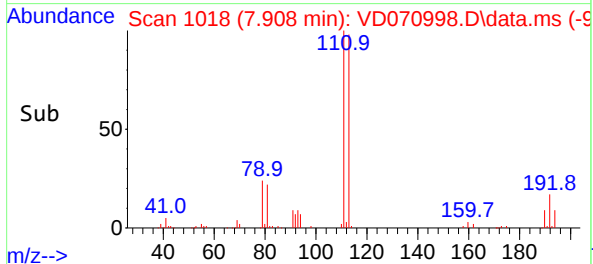
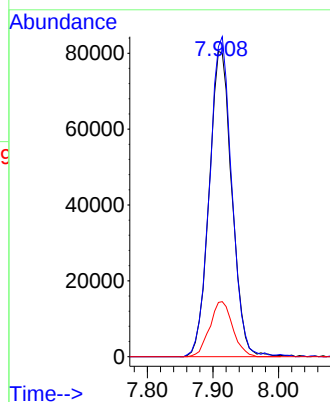
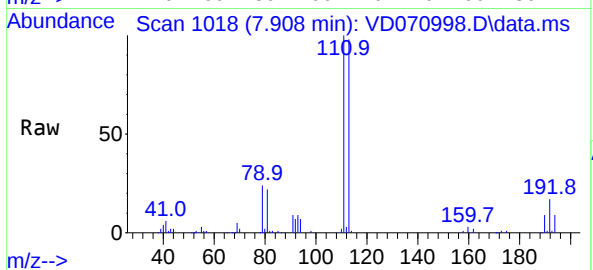




#35  
Dibromofluoromethane  
Concen: 53.747 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD070998.D  
Acq: 11 Nov 2021 18:20

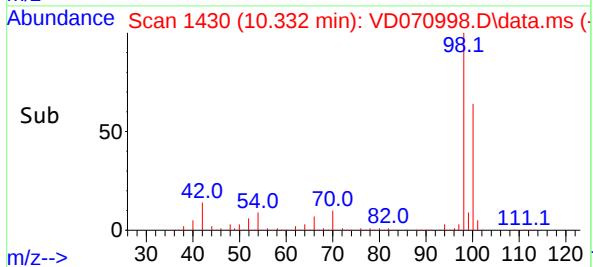
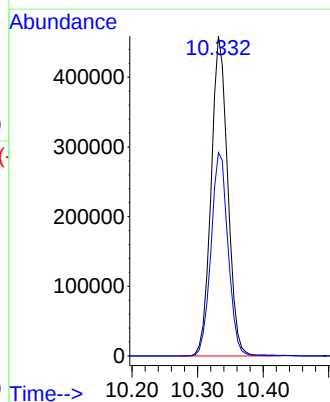
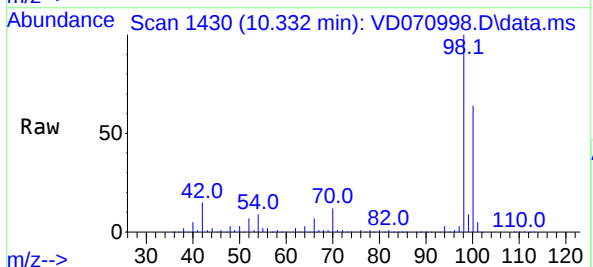
Instrument :  
MSVOA\_D  
ClientSampleId :  
VWE-B7-110621-29-30

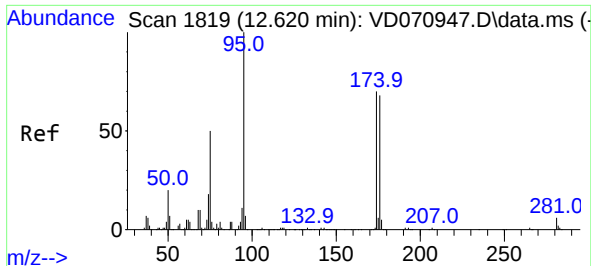
Tgt Ion:113 Resp: 193776  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.0 123.0  
192 18.2 15.2 22.8



#50  
Toluene-d8  
Concen: 57.140 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD070998.D  
Acq: 11 Nov 2021 18:20

Tgt Ion: 98 Resp: 806793  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.8 77.6

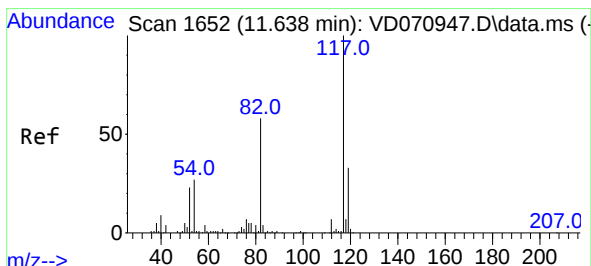
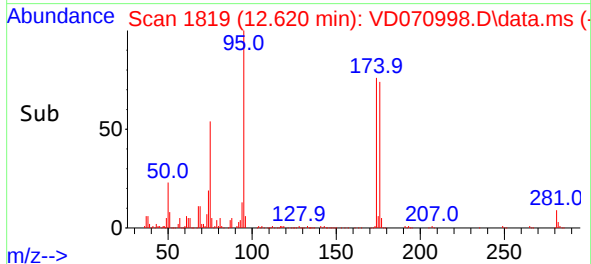
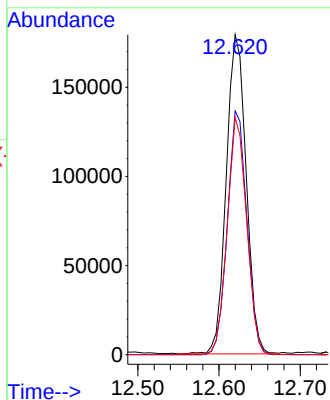
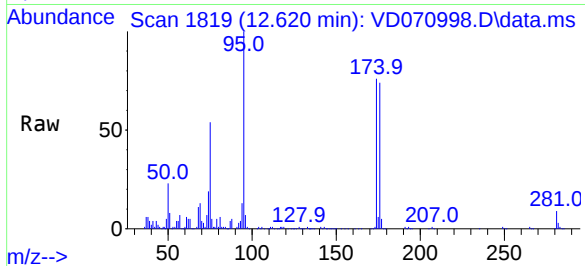




#62  
4-Bromofluorobenzene  
Concen: 59.947 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD070998.D  
Acq: 11 Nov 2021 18:20

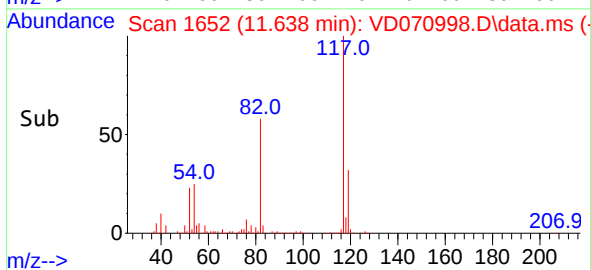
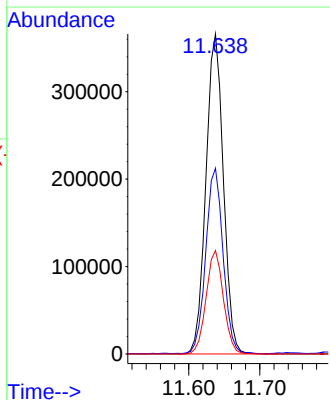
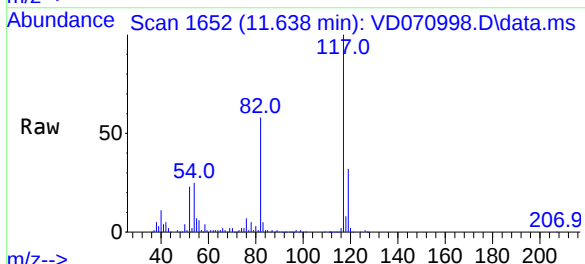
Instrument :  
MSVOA\_D  
ClientSampleId :  
VWE-B7-110621-29-30

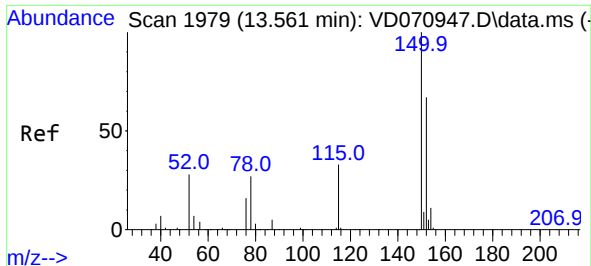
Tgt Ion: 95 Resp: 304763  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 159.4  
176 72.3 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070998.D  
Acq: 11 Nov 2021 18:20

Tgt Ion: 117 Resp: 624897  
Ion Ratio Lower Upper  
117 100  
82 57.9 44.7 67.1  
119 32.3 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD070998.D

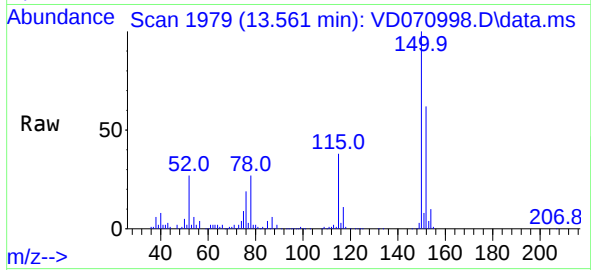
Acq: 11 Nov 2021 18:20

Instrument :

MSVOA\_D

ClientSampleId :

VWE-B7-110621-29-30



Tgt Ion:152 Resp: 282734

Ion Ratio Lower Upper

152 100

115 60.4 29.8 89.3

150 159.7 0.0 349.2

