

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092021\  
 Data File : VD070387.D  
 Acq On : 20 Sep 2021 16:42  
 Operator : VA/SY  
 Sample : M3798-06  
 Misc : 6.85G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SUB-SLAB-01-(15-17)

Quant Time: Sep 21 03:35:08 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 09 03:07:09 2021  
 Response via : Initial Calibration

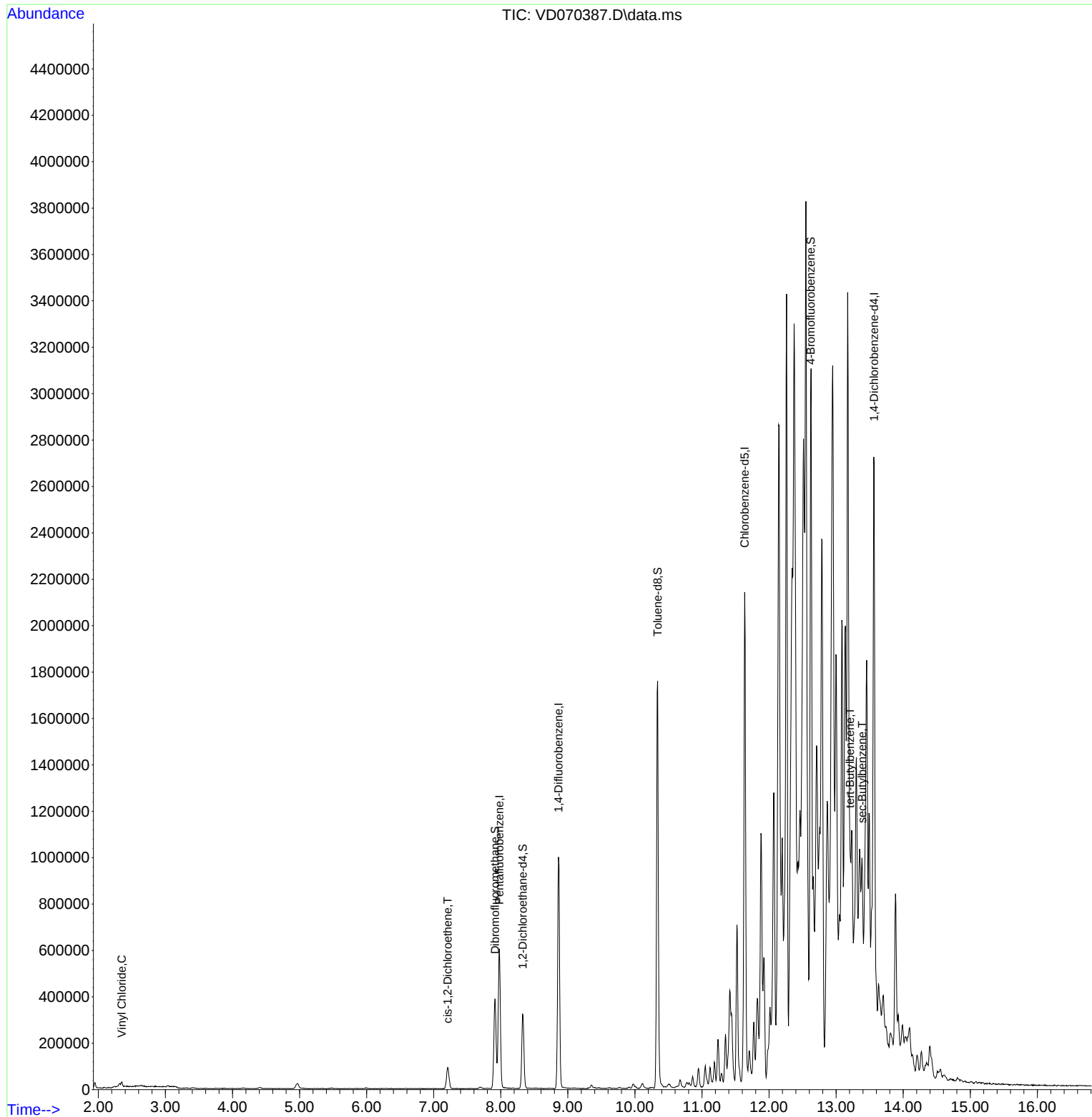
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|--------|-----------|
| -----                       |        |       |          |          |        |           |
| Internal Standards          |        |       |          |          |        |           |
| 1) Pentafluorobenzene       | 7.979  | 168   | 416829   | 50.000   | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 854641   | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 1236834  | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 639628   | 50.000   | ug/l   | 0.00      |
| System Monitoring Compounds |        |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 261045   | 48.774   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 97.540%   |
| 35) Dibromofluoromethane    | 7.914  | 113   | 284495   | 46.765   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 93.540%   |
| 50) Toluene-d8              | 10.338 | 98    | 1181651  | 53.499   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 107.000%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 734931   | 95.207   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 190.420%# |
| Target Compounds            |        |       |          |          |        |           |
|                             |        |       |          |          | Qvalue |           |
| 4) Vinyl Chloride           | 2.350  | 62    | 11645    | 1.776    | ug/l   | 99        |
| 27) cis-1,2-Dichloroethene  | 7.208  | 96    | 57498    | 9.266    | ug/l   | 90        |
| 83) tert-Butylbenzene       | 13.208 | 119   | 43392    | 1.398    | ug/l   | 86        |
| 85) sec-Butylbenzene        | 13.390 | 105   | 127062   | 2.575    | ug/l # | 57        |
| -----                       |        |       |          |          |        |           |

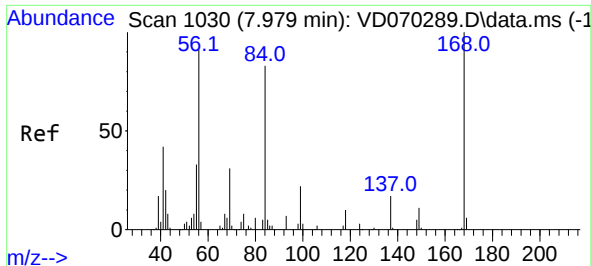
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Sep 09 03:07:09 2021  
Response via : Initial Calibration

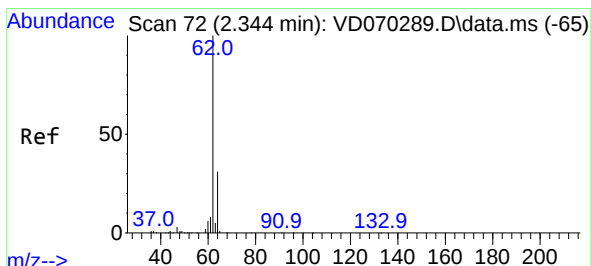
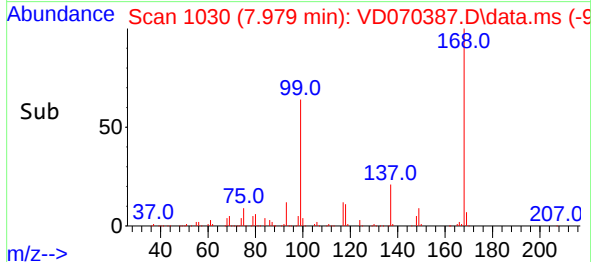
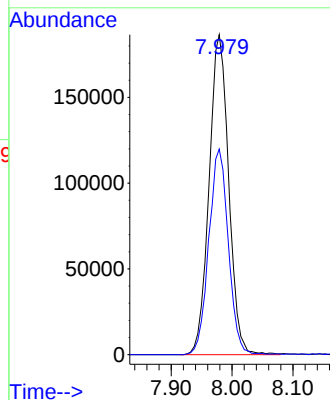
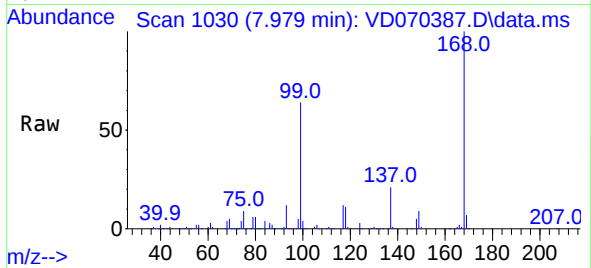




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

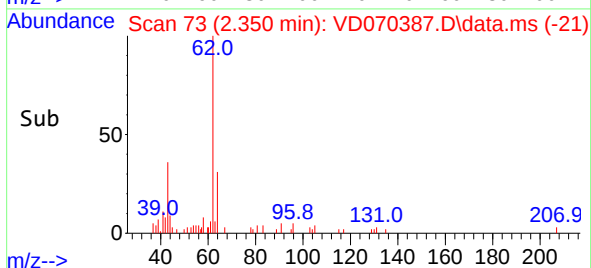
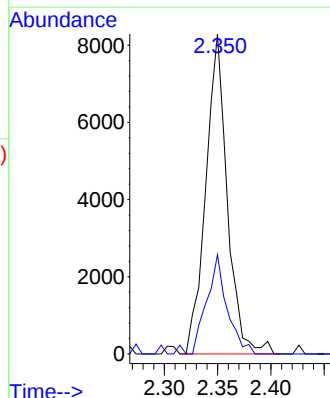
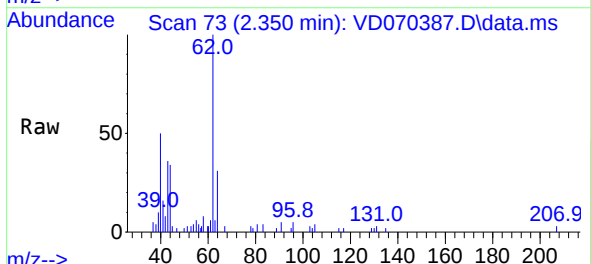
Instrument :  
MSVOA\_D  
ClientSampleId :  
SUB-SLAB-01-(15-17)

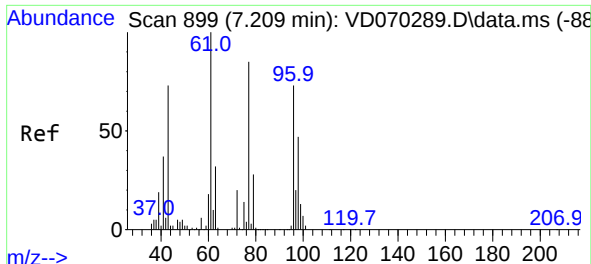
Tgt Ion:168 Resp: 416829  
Ion Ratio Lower Upper  
168 100  
99 64.2 50.8 76.2



#4  
Vinyl Chloride  
Concen: 1.776 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. 0.006 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

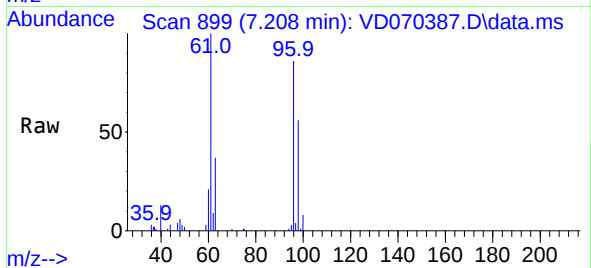
Tgt Ion: 62 Resp: 11645  
Ion Ratio Lower Upper  
62 100  
64 31.0 24.6 36.8



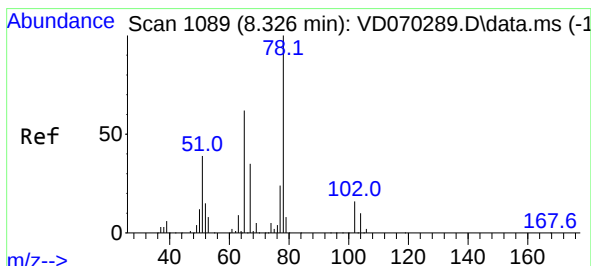
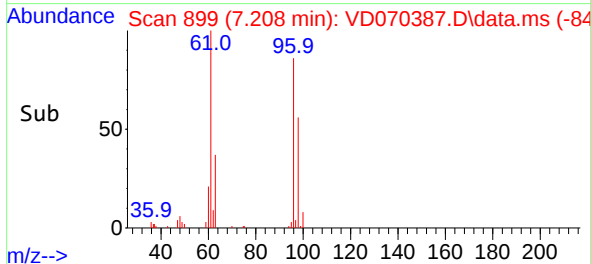
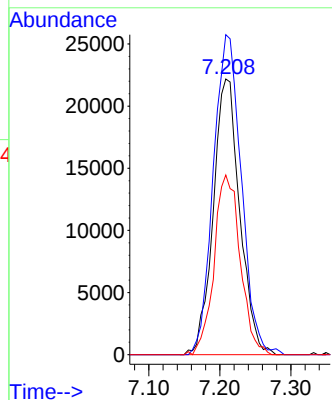


#27  
cis-1,2-Dichloroethene  
Concen: 9.266 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
SUB-SLAB-01-(15-17)

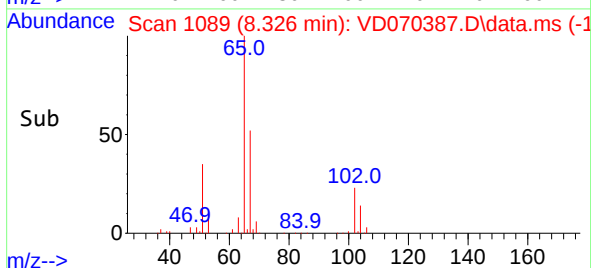
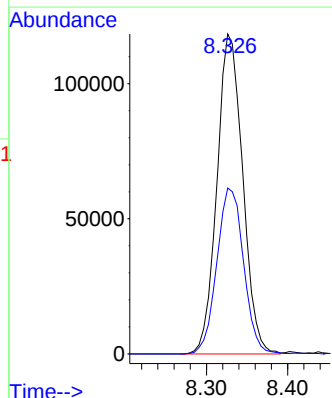
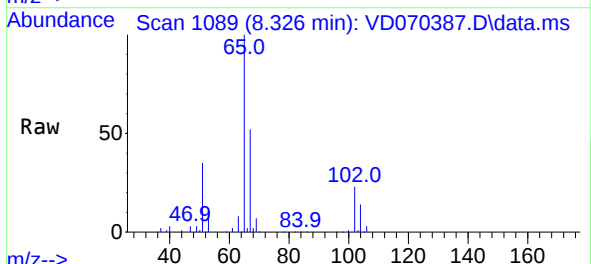


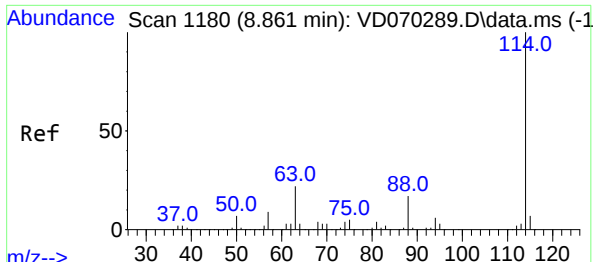
Tgt Ion: 96 Resp: 57498  
Ion Ratio Lower Upper  
96 100  
61 122.1 0.0 277.4  
98 64.0 0.0 130.0



#33  
1,2-Dichloroethane-d4  
Concen: 48.774 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

Tgt Ion: 65 Resp: 261045  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 111.4



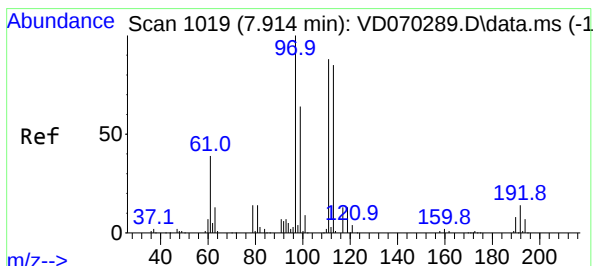
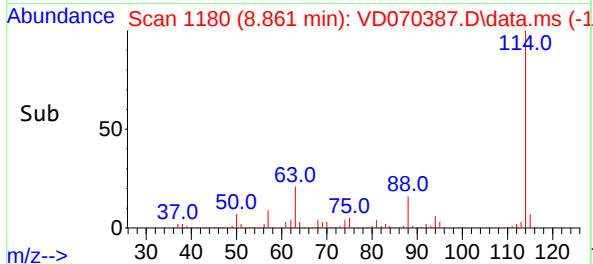
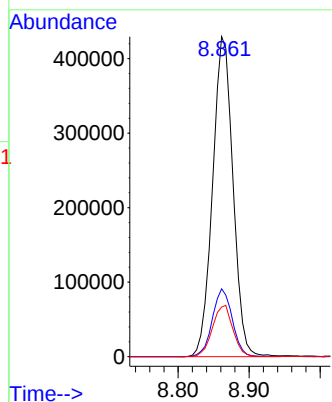
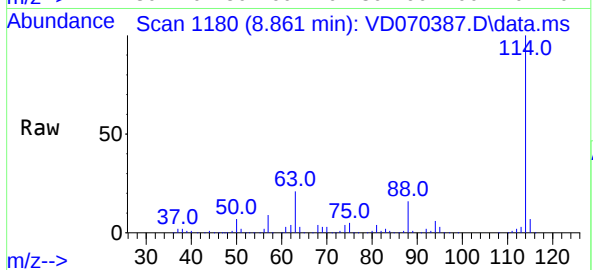


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

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SUB-SLAB-01-(15-17)

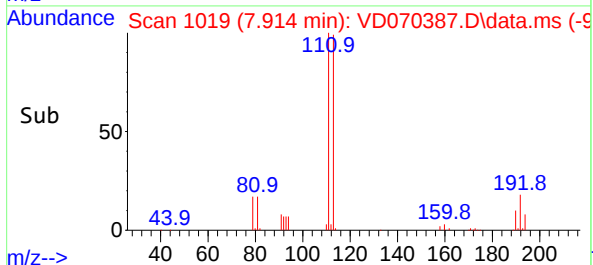
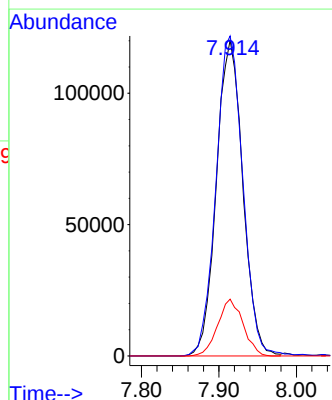
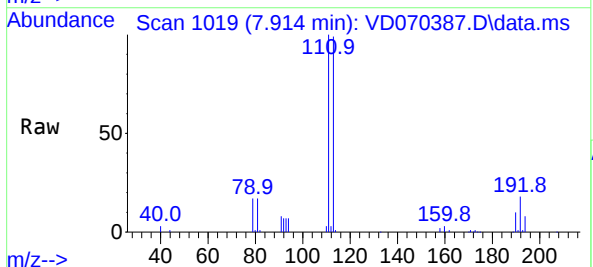
Tgt Ion:114 Resp: 854641  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 43.4  
88 15.5 0.0 33.4

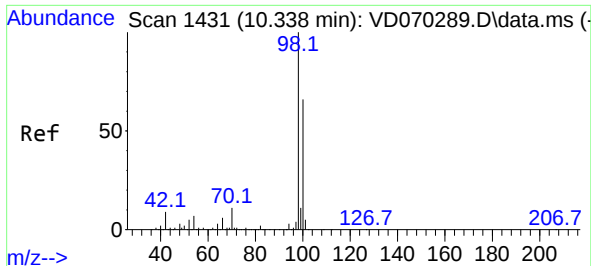


#35

Dibromofluoromethane  
Concen: 46.765 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

Tgt Ion:113 Resp: 284495  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.4 122.2  
192 17.3 13.0 19.6

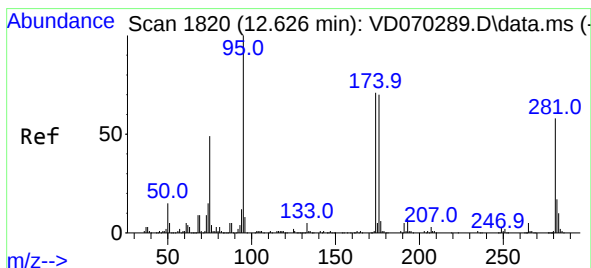
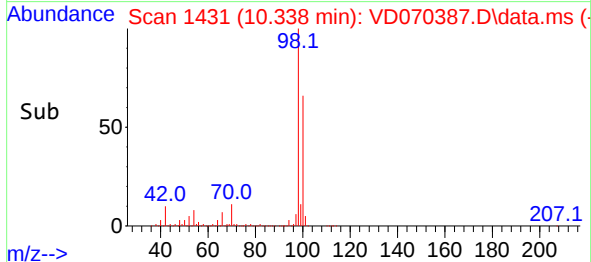
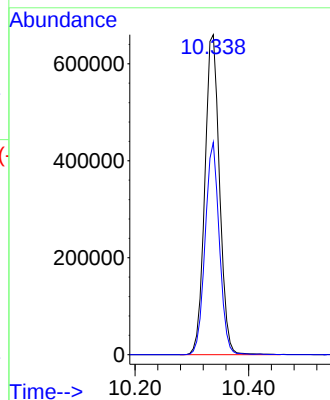
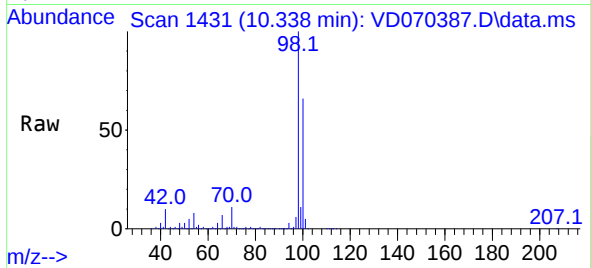




#50  
Toluene-d8  
Concen: 53.499 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

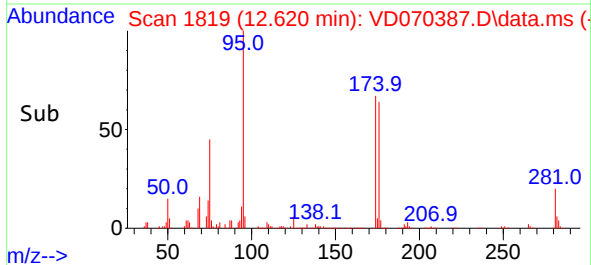
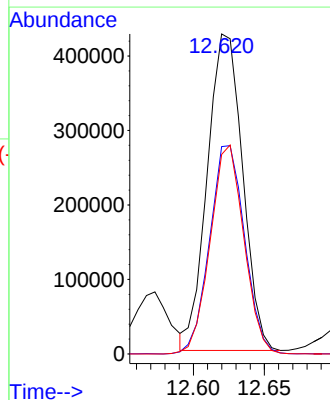
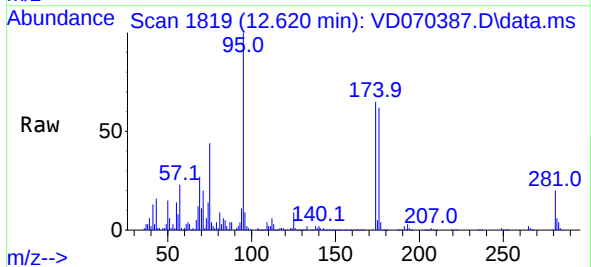
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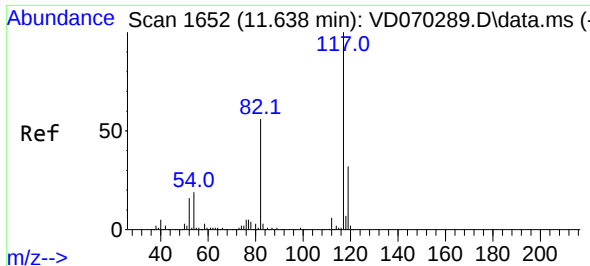
Tgt Ion: 98 Resp: 1181651  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 95.207 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

Tgt Ion: 95 Resp: 734931  
Ion Ratio Lower Upper  
95 100  
174 65.4 0.0 140.6  
176 62.8 0.0 137.4

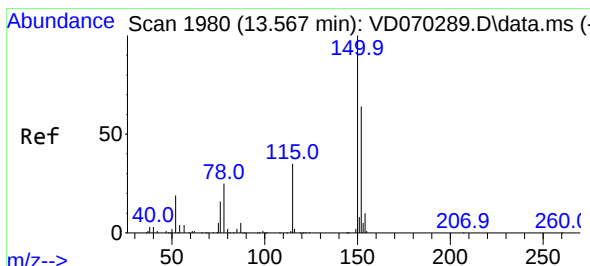
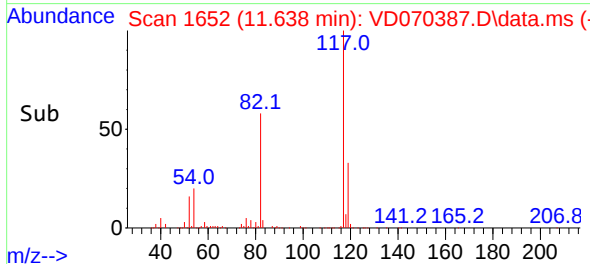
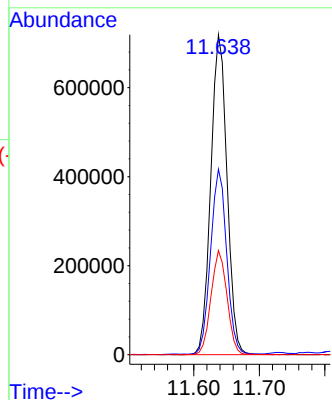
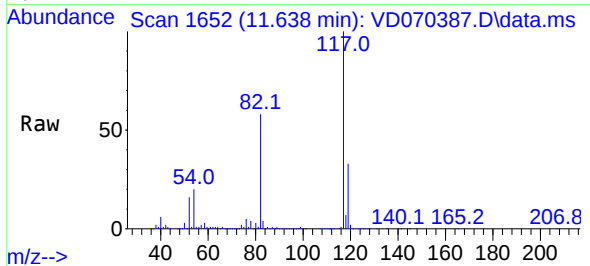




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

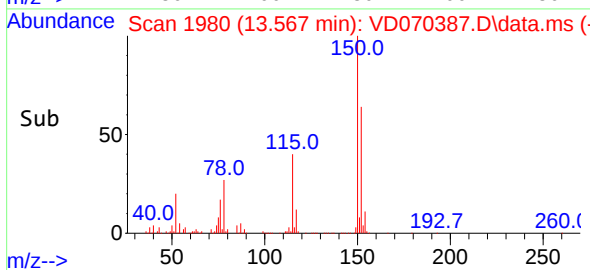
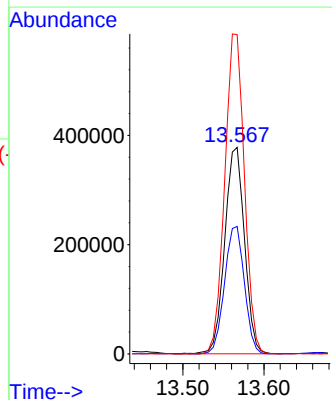
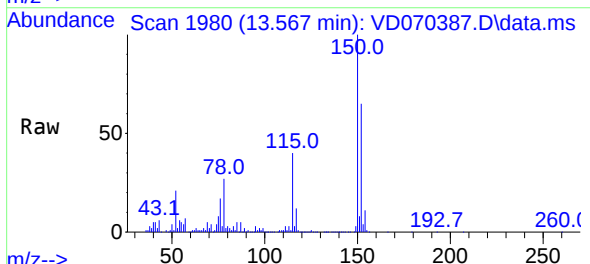
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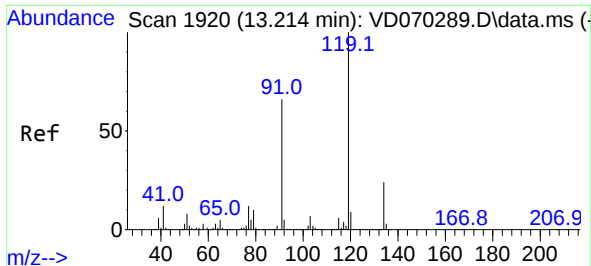
Tgt Ion:117 Resp: 1236834  
Ion Ratio Lower Upper  
117 100  
82 57.8 45.0 67.4  
119 32.6 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

Tgt Ion:152 Resp: 639628  
Ion Ratio Lower Upper  
152 100  
115 61.9 32.1 96.3  
150 154.4 0.0 350.6

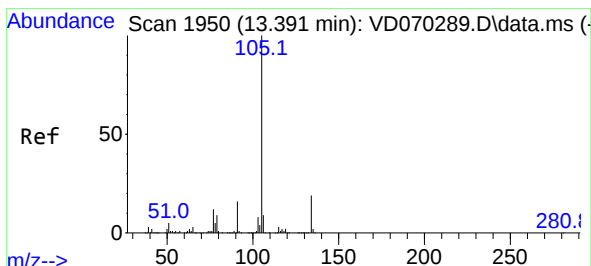
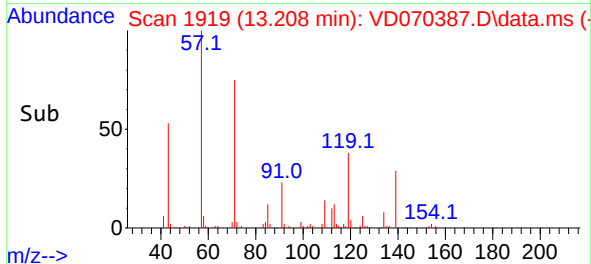
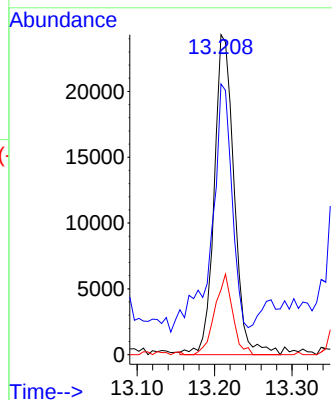
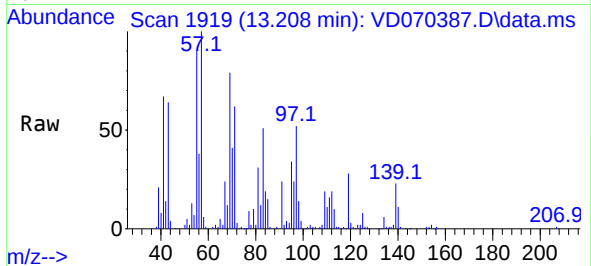




#83  
tert-Butylbenzene  
Concen: 1.398 ug/l  
RT: 13.208 min Scan# 1919  
Delta R.T. -0.006 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
SUB-SLAB-01-(15-17)

Tgt Ion:119 Resp: 43392  
Ion Ratio Lower Upper  
119 100  
91 80.5 33.7 101.0  
134 22.5 13.2 39.5



#85  
sec-Butylbenzene  
Concen: 2.575 ug/l  
RT: 13.390 min Scan# 1950  
Delta R.T. -0.000 min  
Lab File: VD070387.D  
Acq: 20 Sep 2021 16:42

Tgt Ion:105 Resp: 127062  
Ion Ratio Lower Upper  
105 100  
134 39.2 9.8 29.3#

