

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070821\  
 Data File : VD069637.D  
 Acq On : 08 Jul 2021 18:57  
 Operator : VA/SY  
 Sample : M2969-13  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB07

Quant Time: Jul 09 01:05:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062121S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 22 04:33:24 2021  
 Response via : Initial Calibration

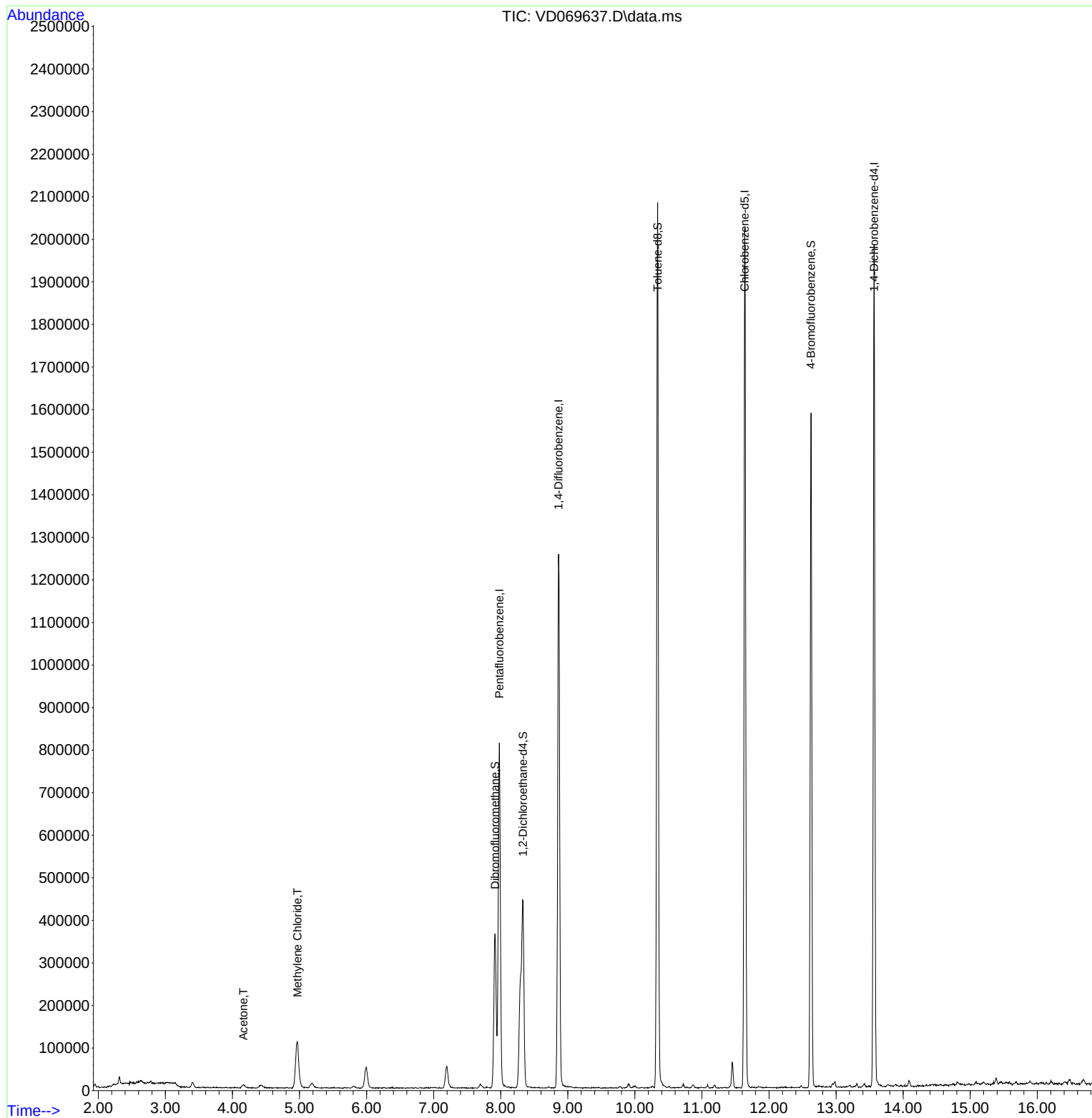
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 555302   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 1086393  | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 1161059  | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 505361   | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 336778   | 48.655   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 97.320%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 272826   | 37.150   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 74.300%  |
| 50) Toluene-d8              | 10.338 | 98    | 1404644  | 50.992   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 101.980% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 524894   | 57.961   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 115.920% |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 16) Acetone                 | 4.162  | 43    | 13064    | 11.213   | ug/l  | 93       |
| 20) Methylene Chloride      | 4.968  | 84    | 89921    | 6.586    | ug/l  | 95       |
| -----                       |        |       |          |          |       |          |

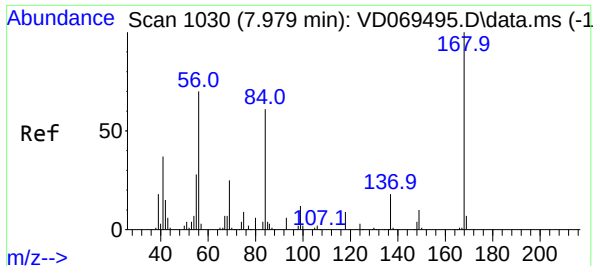
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jun 22 04:33:24 2021  
Response via : Initial Calibration

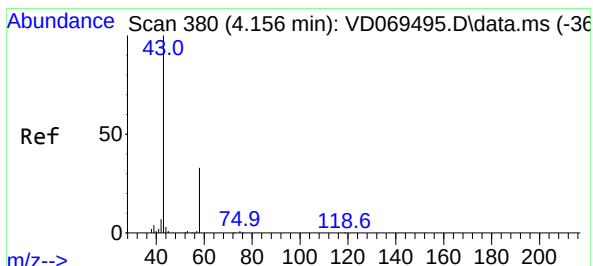
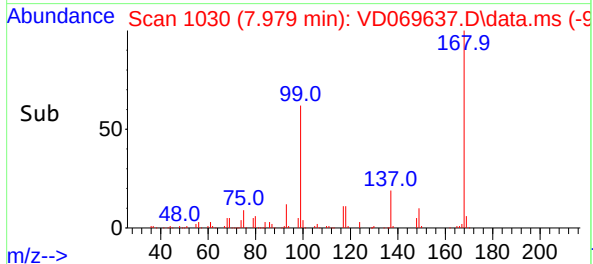
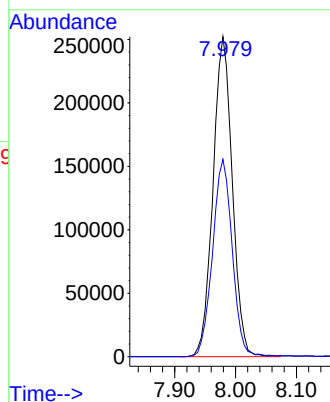
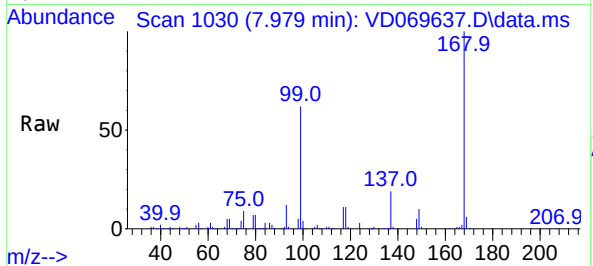




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57

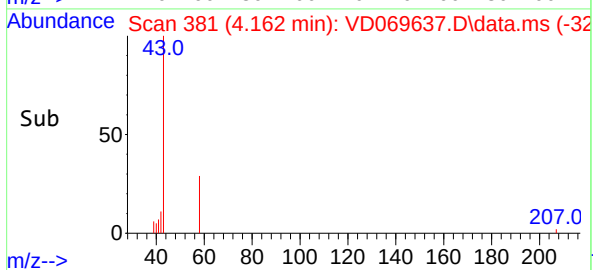
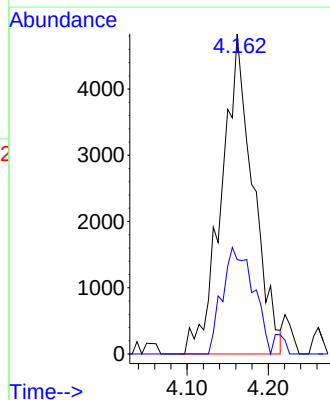
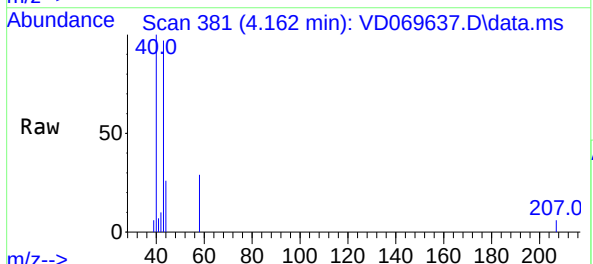
Instrument :  
MSVOA\_D  
ClientSampled :  
SB07

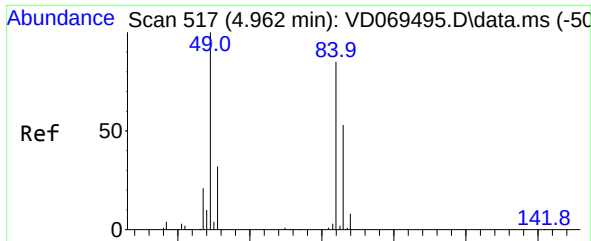
Tgt Ion:168 Resp: 555302  
Ion Ratio Lower Upper  
168 100  
99 61.7 49.3 73.9



#16  
Acetone  
Concen: 11.213 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57

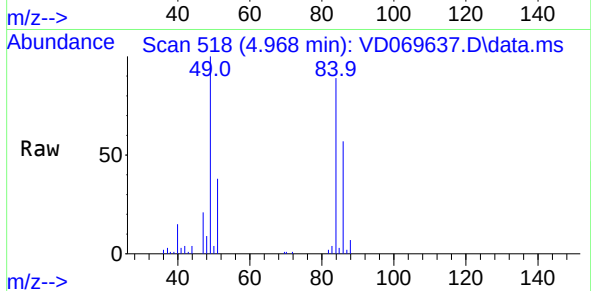
Tgt Ion: 43 Resp: 13064  
Ion Ratio Lower Upper  
43 100  
58 29.4 26.8 40.2





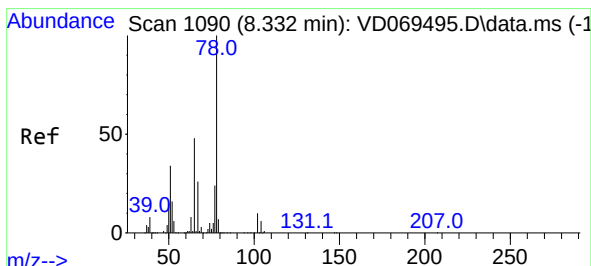
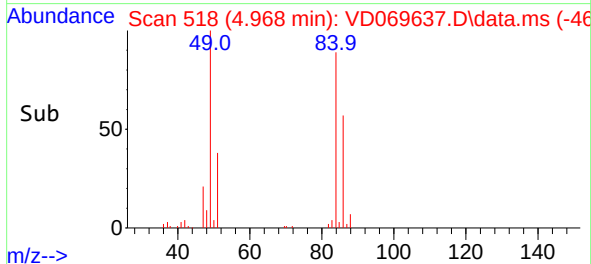
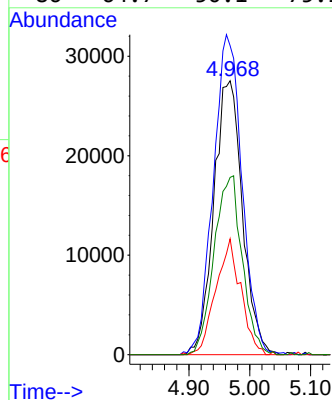
#20  
Methylene Chloride  
Concen: 6.586 ug/l  
RT: 4.968 min Scan# 518  
Delta R.T. 0.006 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB07



Tgt Ion: 84 Resp: 89921

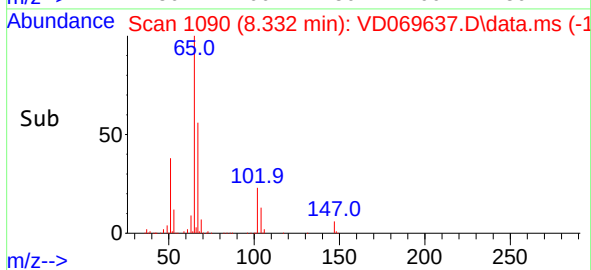
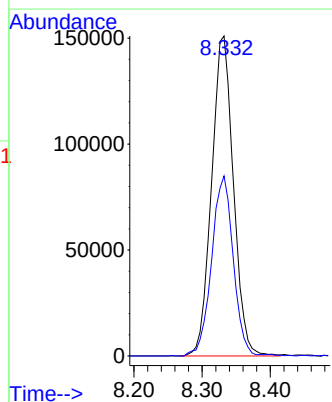
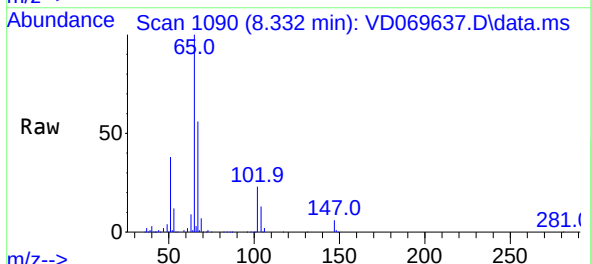
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 112.8 | 94.0  | 141.0 |
| 51  | 42.3  | 29.7  | 44.5  |
| 86  | 64.7  | 50.1  | 75.1  |

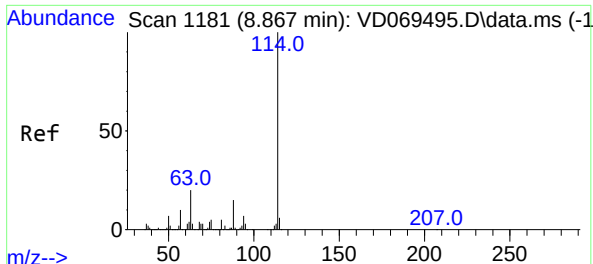


#33  
1,2-Dichloroethane-d4  
Concen: 48.655 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57

Tgt Ion: 65 Resp: 336778

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 55.6  | 0.0   | 105.6 |

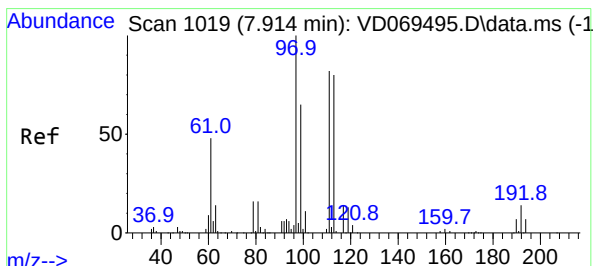
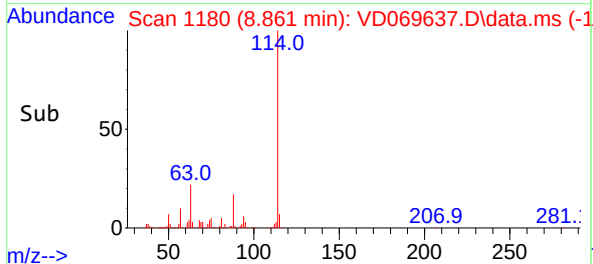
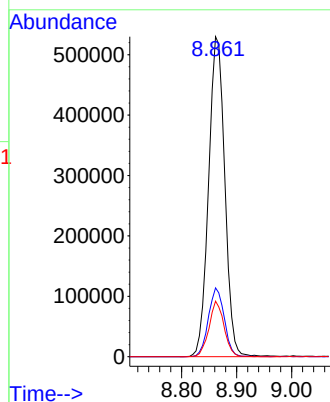
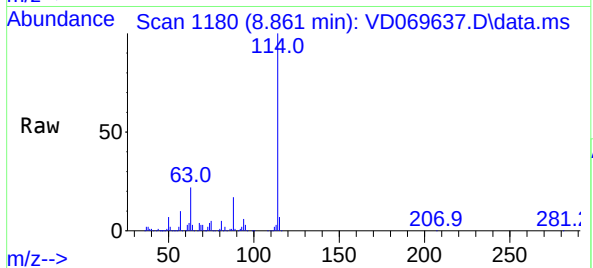




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57

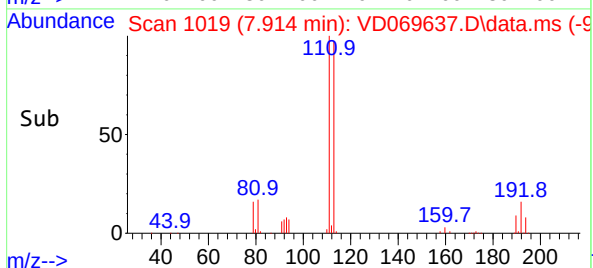
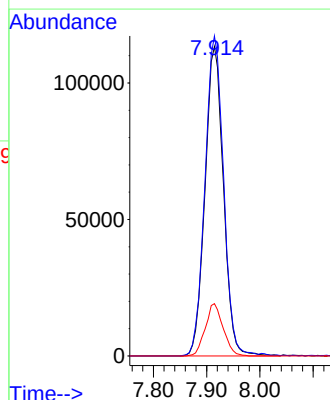
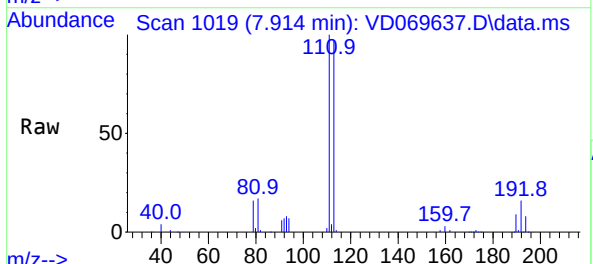
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB07

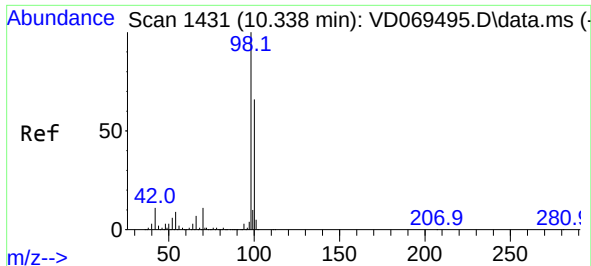
Tgt Ion:114 Resp: 1086393  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 39.6  
88 17.3 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 37.150 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57

Tgt Ion:113 Resp: 272826  
Ion Ratio Lower Upper  
113 100  
111 104.4 81.8 122.8  
192 16.4 13.8 20.6

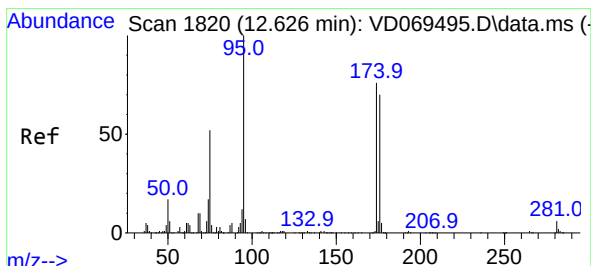
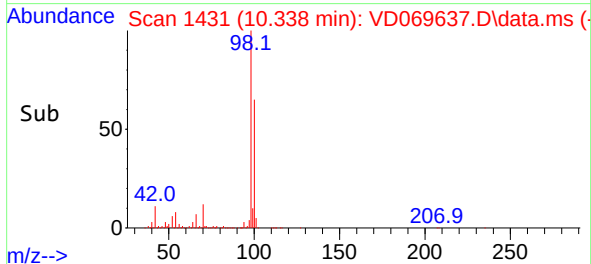
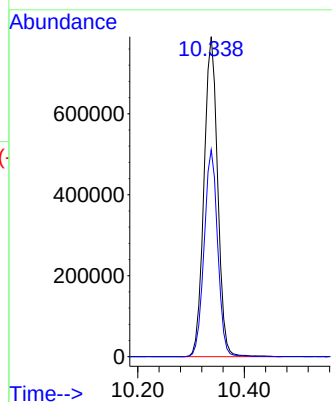
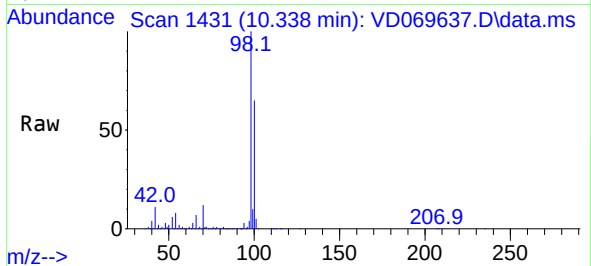




#50  
Toluene-d8  
Concen: 50.992 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57

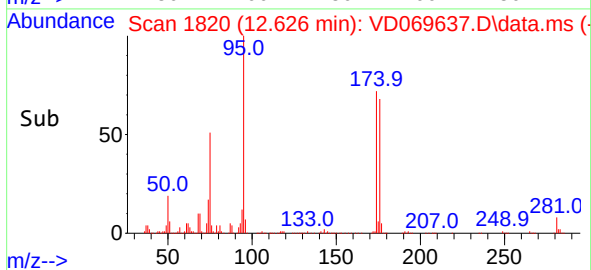
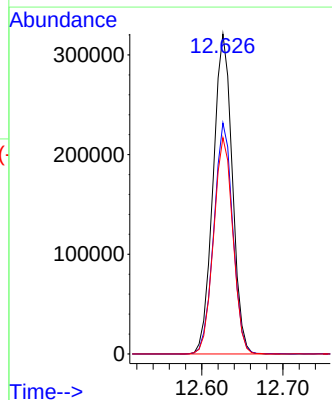
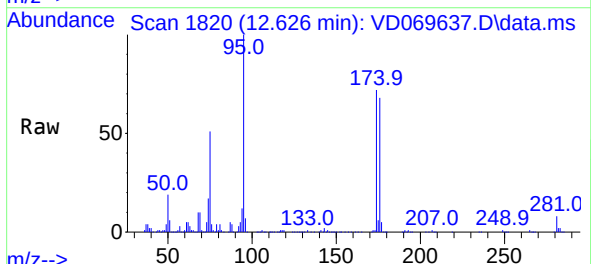
Instrument :  
MSVOA\_D  
ClientSampleId :  
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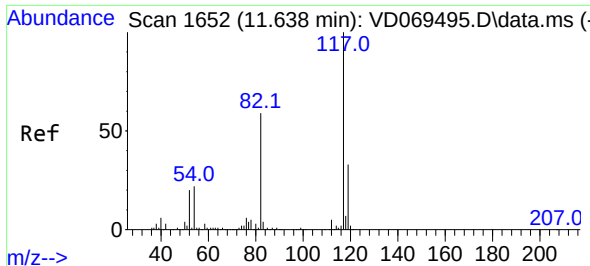
Tgt Ion: 98 Resp: 1404644  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 57.961 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57

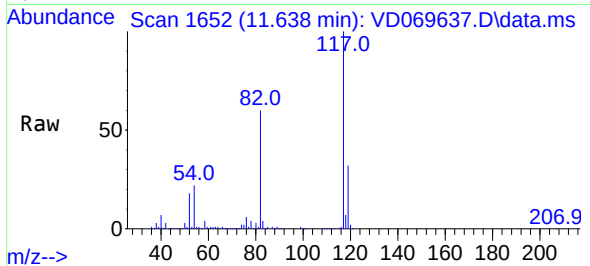
Tgt Ion: 95 Resp: 524894  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 148.0  
176 67.9 0.0 139.8





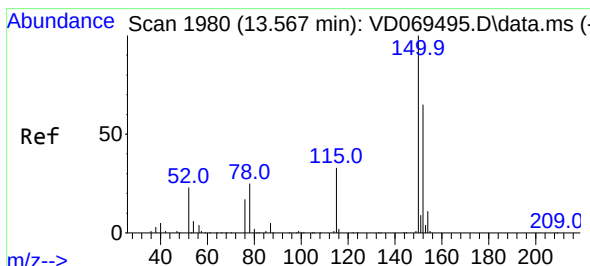
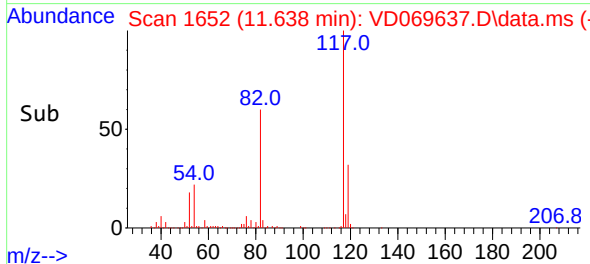
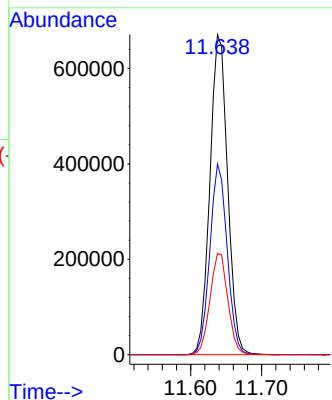
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB07

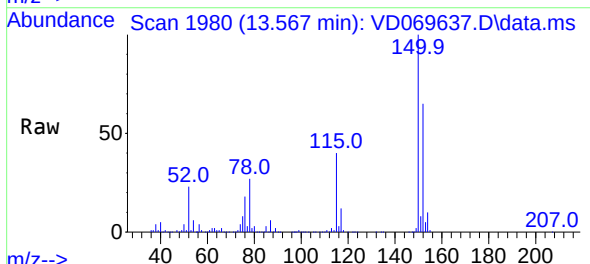


Tgt Ion:117 Resp: 1161059

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 59.6  | 46.8  | 70.2  |
| 119 | 31.6  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD069637.D  
Acq: 08 Jul 2021 18:57



Tgt Ion:152 Resp: 505361

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.8  | 31.7  | 95.1  |
| 150 | 157.3 | 0.0   | 350.8 |

