

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040821\  
 Data File : VD068795.D  
 Acq On : 08 Apr 2021 18:00  
 Operator : VA/SY  
 Sample : M1979-22  
 Misc : 5.49G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S-22

Quant Time: Apr 09 01:04:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 08 03:50:31 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 406585   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 751569   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 798088   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 384254   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 193555   | 45.04    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 90.08%   |
| 35) Dibromofluoromethane    | 7.914  | 113   | 237682   | 48.62    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 97.24%   |
| 50) Toluene-d8              | 10.344 | 98    | 950579   | 51.55    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 103.10%  |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 355082   | 57.97    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 115.94%  |

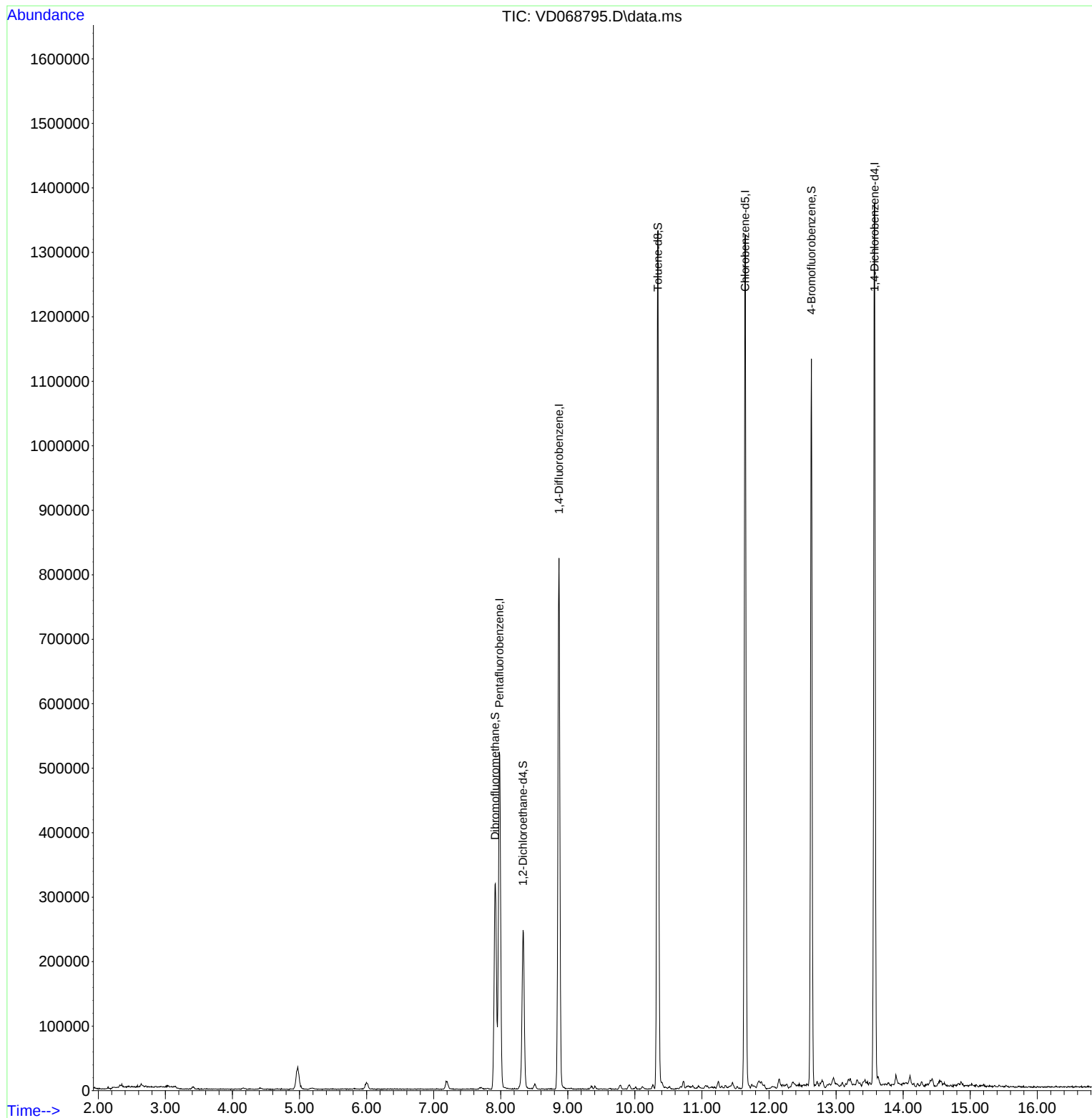
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

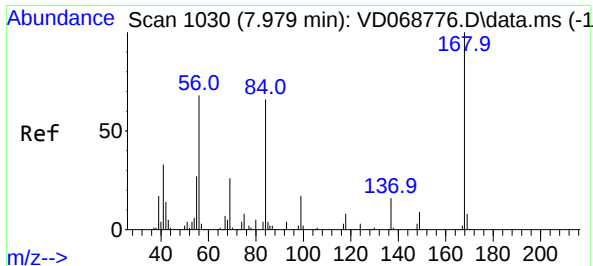
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 08 03:50:31 2021  
Response via : Initial Calibration

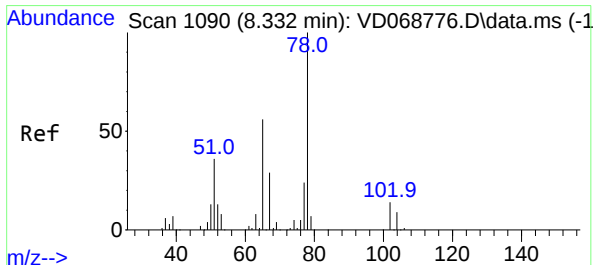
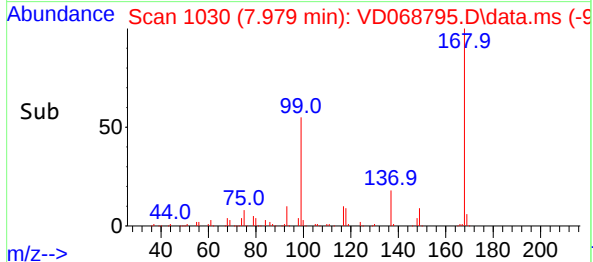
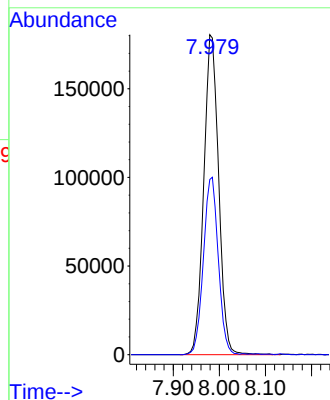
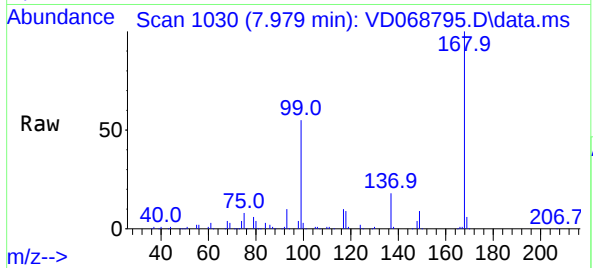




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD068795.D  
Acq: 08 Apr 2021 18:00

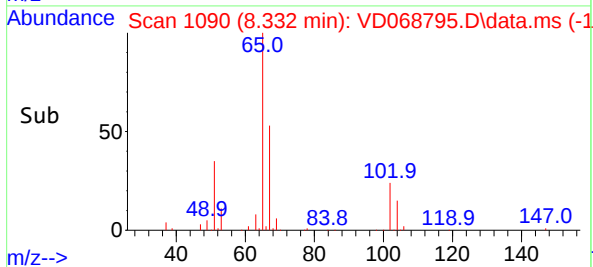
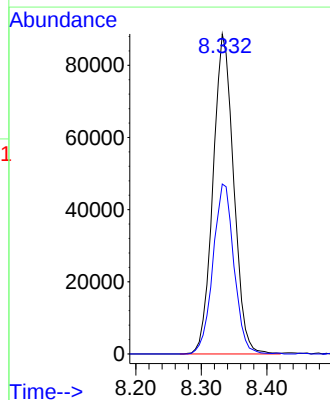
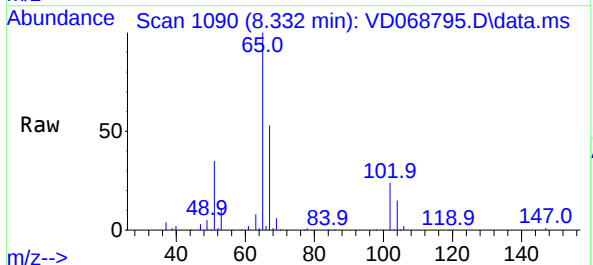
Instrument :  
MSVOA\_D  
ClientSampled :  
S-22

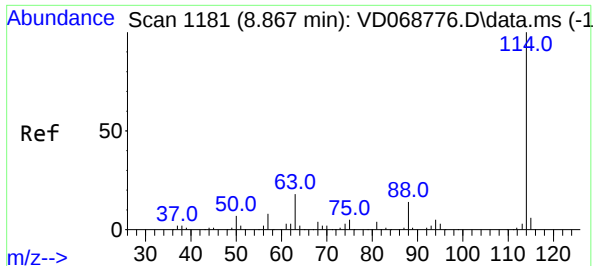
Tgt Ion:168 Resp: 406585  
Ion Ratio Lower Upper  
168 100  
99 54.7 46.2 69.2



#33  
1,2-Dichloroethane-d4  
Concen: 45.04 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068795.D  
Acq: 08 Apr 2021 18:00

Tgt Ion: 65 Resp: 193555  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 106.0

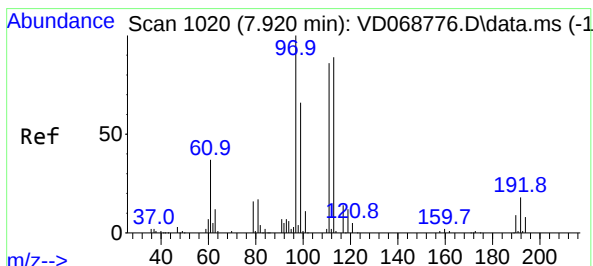
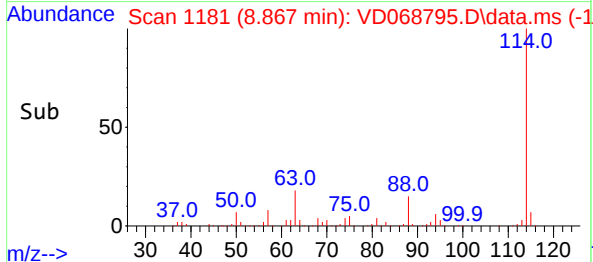
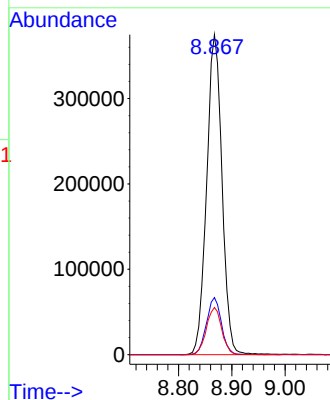
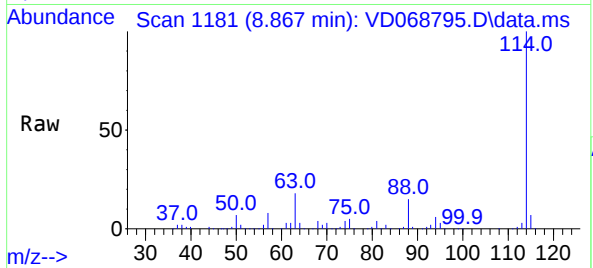




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068795.D  
Acq: 08 Apr 2021 18:00

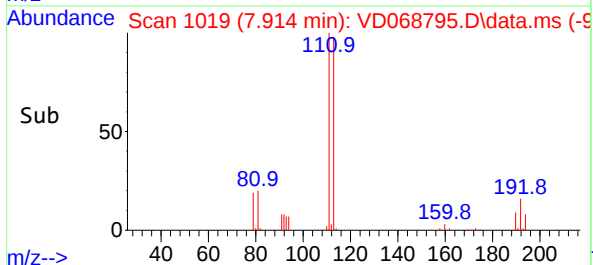
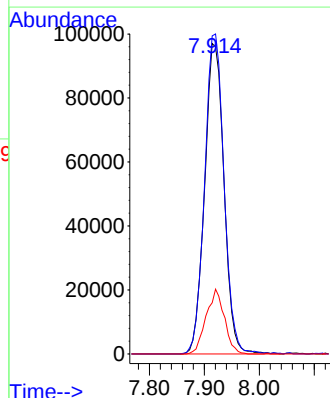
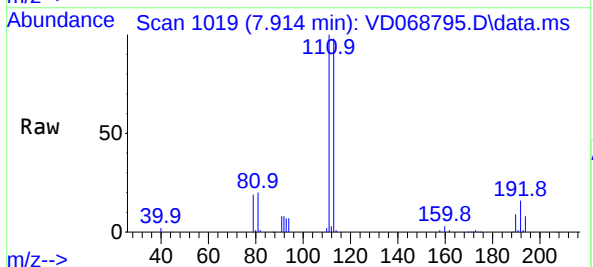
Instrument :  
MSVOA\_D  
ClientSampled :  
S-22

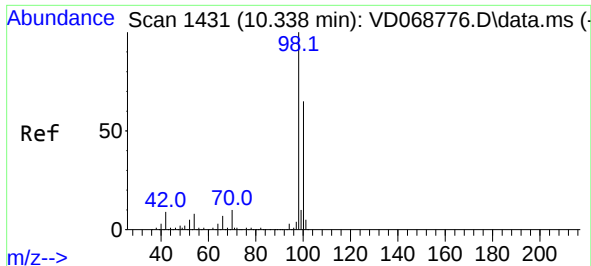
Tgt Ion:114 Resp: 751569  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 38.2  
88 14.8 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 48.62 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068795.D  
Acq: 08 Apr 2021 18:00

Tgt Ion:113 Resp: 237682  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.5 123.7  
192 19.7 15.1 22.7

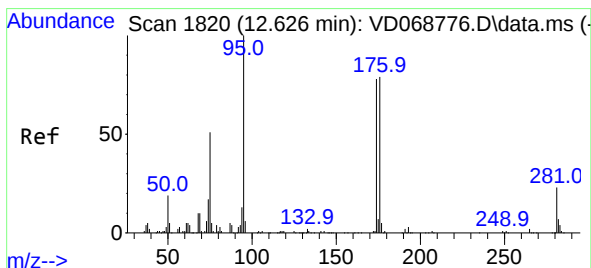
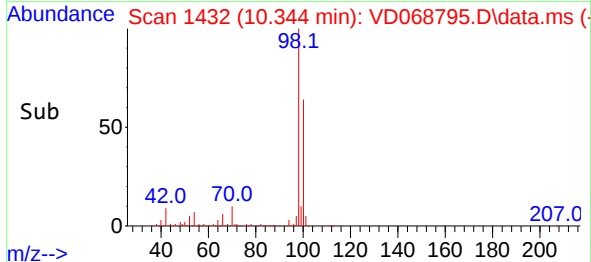
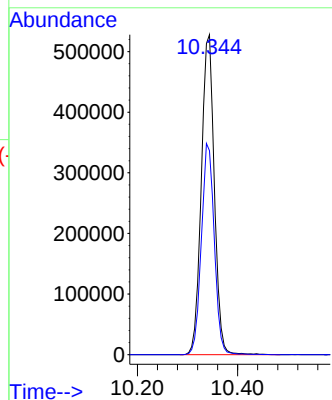
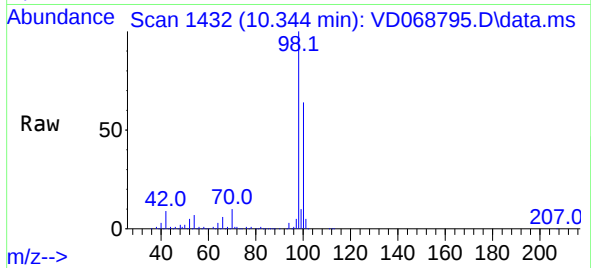




#50  
Toluene-d8  
Concen: 51.55 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: VD068795.D  
Acq: 08 Apr 2021 18:00

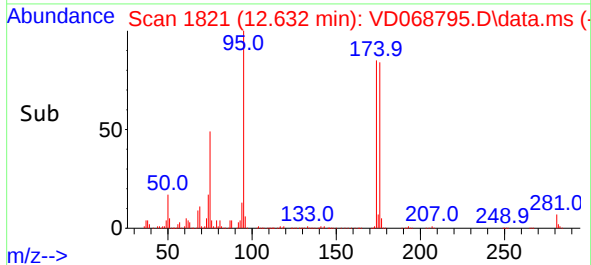
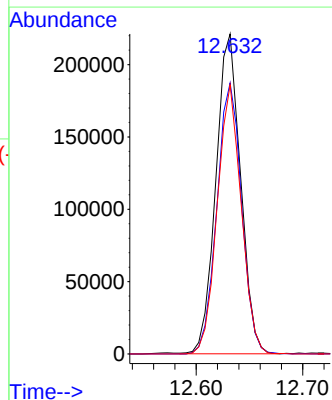
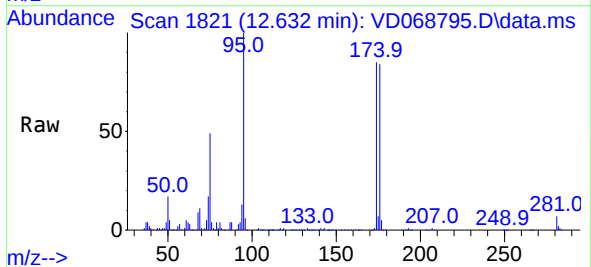
Instrument :  
MSVOA\_D  
ClientSampled :  
S-22

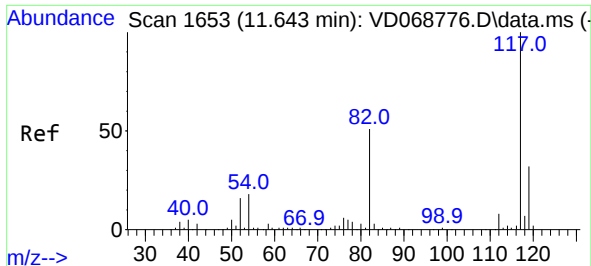
Tgt Ion: 98 Resp: 950579  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 57.97 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD068795.D  
Acq: 08 Apr 2021 18:00

Tgt Ion: 95 Resp: 355082  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 168.0  
176 81.6 0.0 160.2

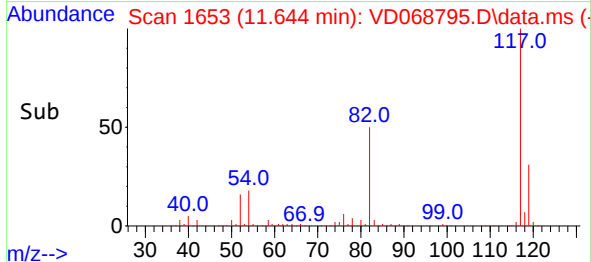
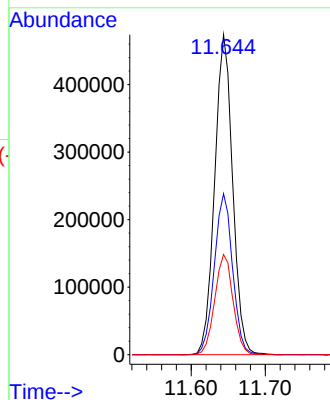
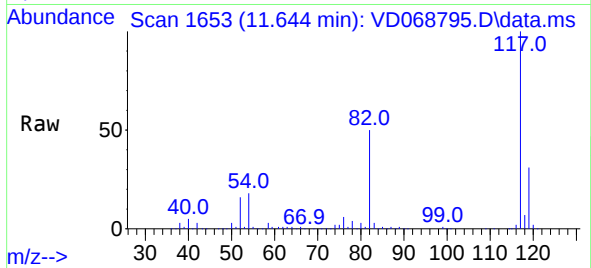




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.001 min  
Lab File: VD068795.D  
Acq: 08 Apr 2021 18:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion:117 Resp: 798088  
Ion Ratio Lower Upper  
117 100  
82 50.3 43.5 65.3  
119 31.3 26.7 40.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.000 min  
Lab File: VD068795.D  
Acq: 08 Apr 2021 18:00

Tgt Ion:152 Resp: 384254  
Ion Ratio Lower Upper  
152 100  
115 58.1 29.3 87.8  
150 155.0 0.0 347.6

