

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032921\  
 Data File : VD068707.D  
 Acq On : 29 Mar 2021 19:25  
 Operator : VA/SY  
 Sample : M1828-03  
 Misc : 6.76G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FS-SB13(33-34)

Quant Time: Mar 30 01:07:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 20 02:00:55 2021  
 Response via : Initial Calibration

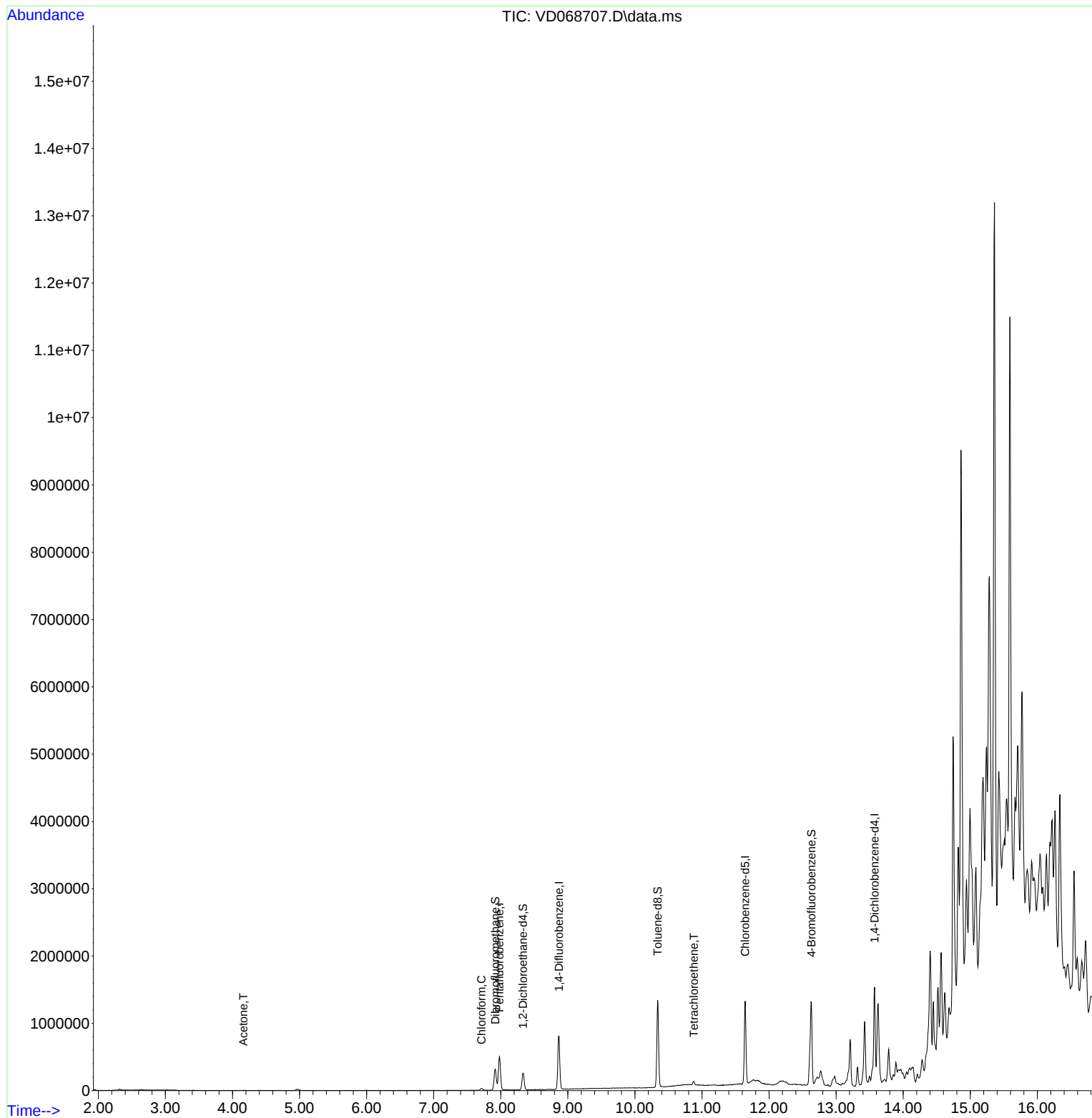
| Compound                    | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-----------|----------|
| -----                       |        |       |          |          |           |          |
| Internal Standards          |        |       |          |          |           |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 381513   | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 731597   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.643 | 117   | 727303   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 366545   | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 204948   | 53.27    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 106.54% |          |
| 35) Dibromofluoromethane    | 7.920  | 113   | 231115   | 50.77    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 101.54% |          |
| 50) Toluene-d8              | 10.338 | 98    | 934607   | 53.25    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 106.50% |          |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 341296   | 59.98    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 119.96% |          |
| Target Compounds            |        |       |          |          |           |          |
|                             |        |       |          |          |           | Qvalue   |
| 16) Acetone                 | 4.162  | 43    | 4542     | 9.73     | ug/l      | # 86     |
| 30) Chloroform              | 7.714  | 83    | 25079    | 3.38     | ug/l      | 92       |
| 64) Tetrachloroethene       | 10.879 | 164   | 12262    | 2.60     | ug/l      | 94       |
| -----                       |        |       |          |          |           |          |

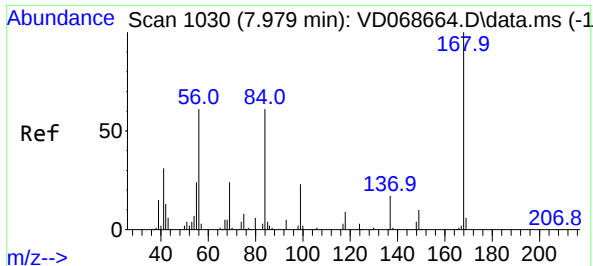
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :  
FS-SB13(33-34)

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Quant Title : SW846 8260  
QLast Update : Sat Mar 20 02:00:55 2021  
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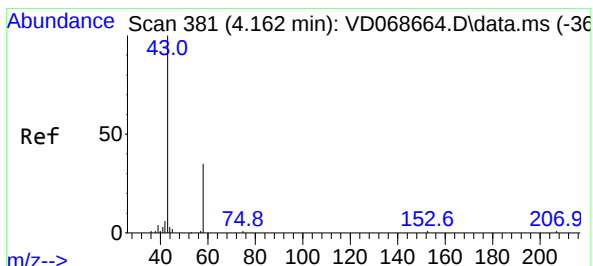
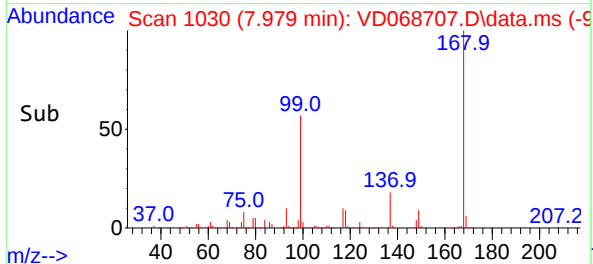
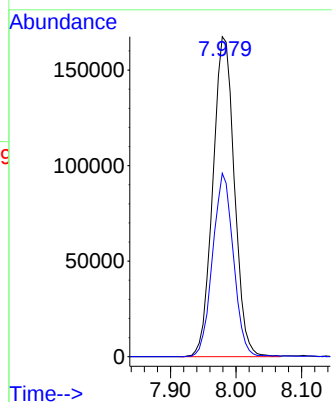
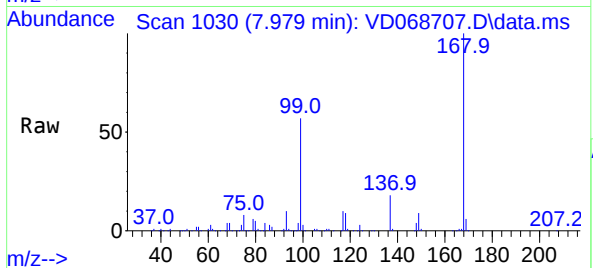




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

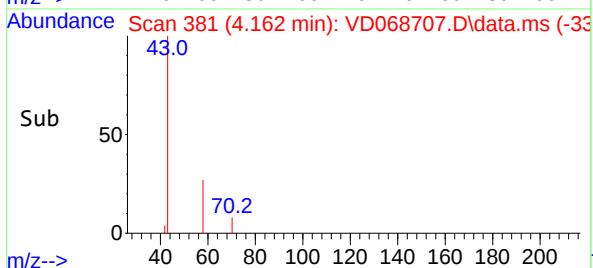
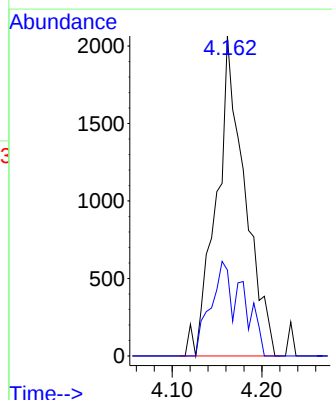
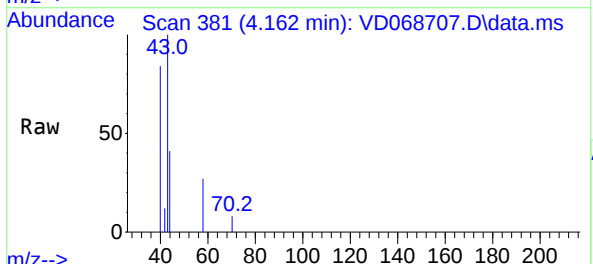
Instrument :  
MSVOA\_D  
ClientSampleId :  
FS-SB13(33-34)

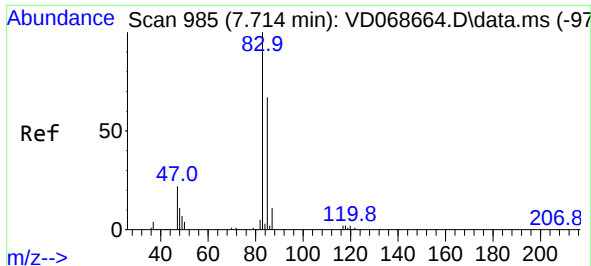
Tgt Ion:168 Resp: 381513  
Ion Ratio Lower Upper  
168 100  
99 57.3 46.2 69.2



#16  
Acetone  
Concen: 9.73 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. -0.000 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

Tgt Ion: 43 Resp: 4542  
Ion Ratio Lower Upper  
43 100  
58 26.8 28.0 42.0#

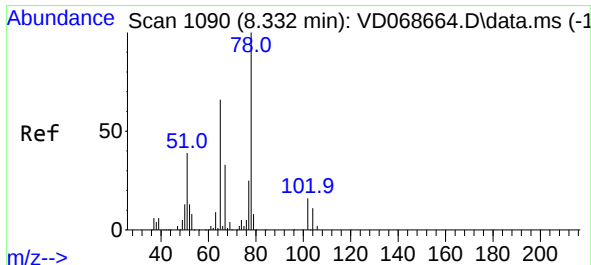
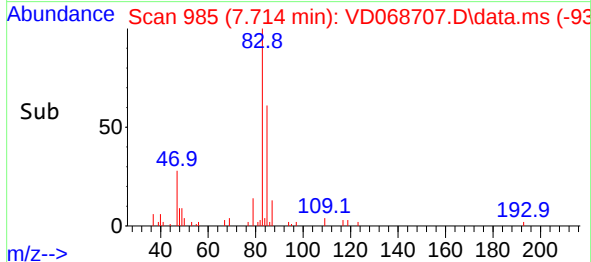
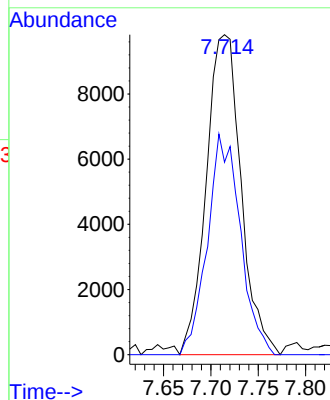
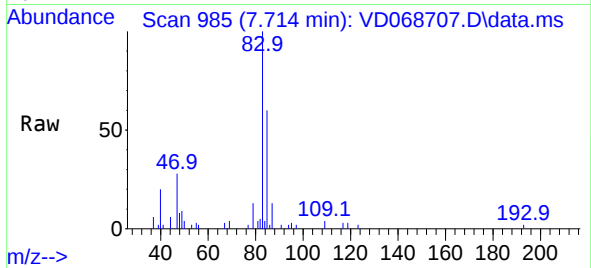




#30  
Chloroform  
Concen: 3.38 ug/l  
RT: 7.714 min Scan# 985  
Delta R.T. -0.000 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

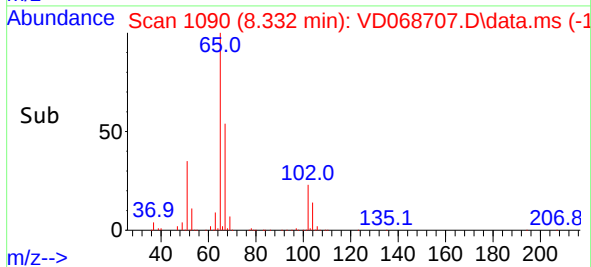
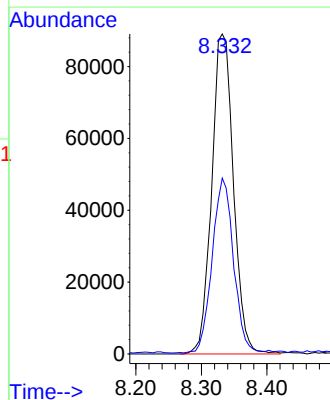
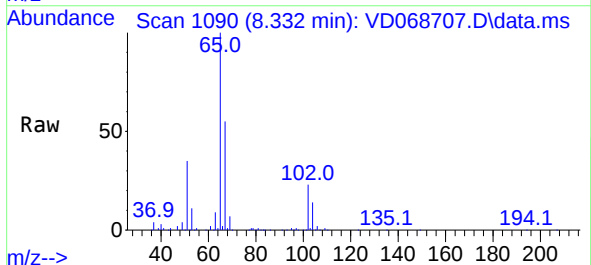
Instrument :  
MSVOA\_D  
ClientSampleId :  
FS-SB13(33-34)

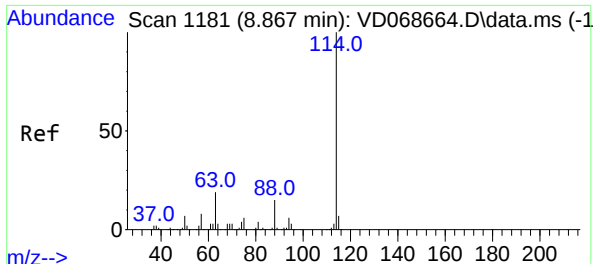
Tgt Ion: 83 Resp: 25079  
Ion Ratio Lower Upper  
83 100  
85 60.2 53.3 79.9



#33  
1,2-Dichloroethane-d4  
Concen: 53.27 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

Tgt Ion: 65 Resp: 204948  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 106.0



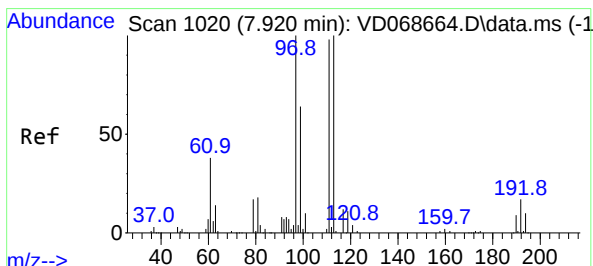
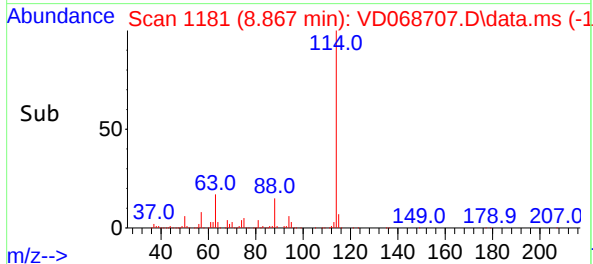
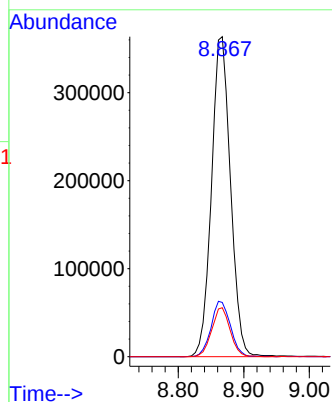
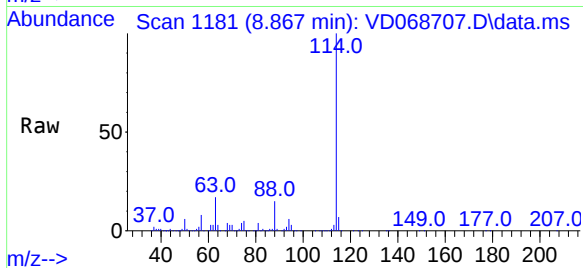


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
FS-SB13(33-34)

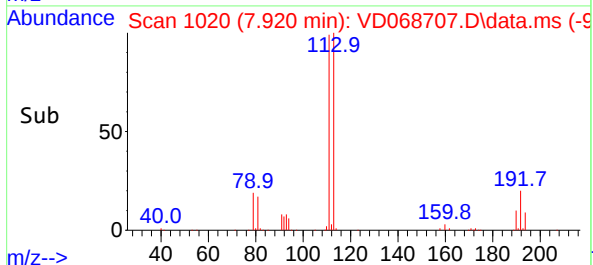
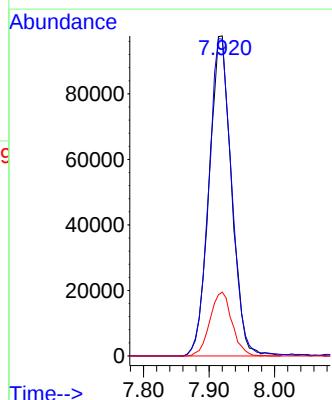
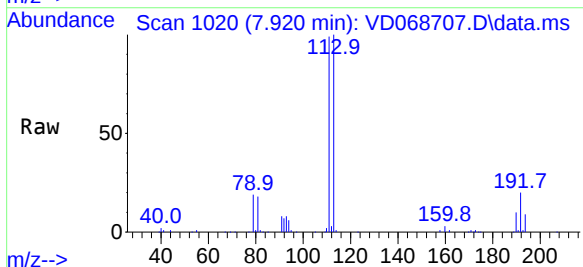
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 731597 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 16.9  | 0.0   | 38.2   |
| 88        | 15.3  | 0.0   | 29.4   |

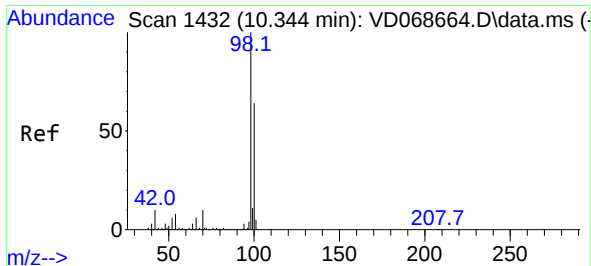


#35

Dibromofluoromethane  
Concen: 50.77 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. -0.000 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 231115 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.5 | 82.5  | 123.7  |
| 192       | 19.7  | 15.1  | 22.7   |

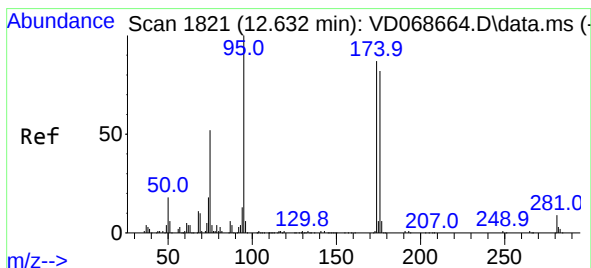
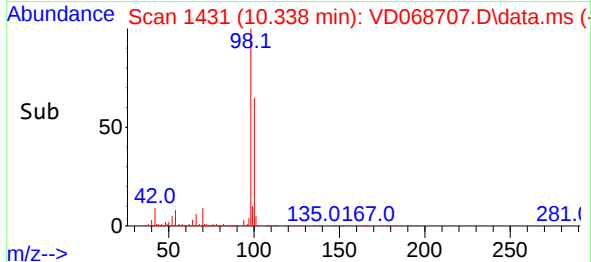
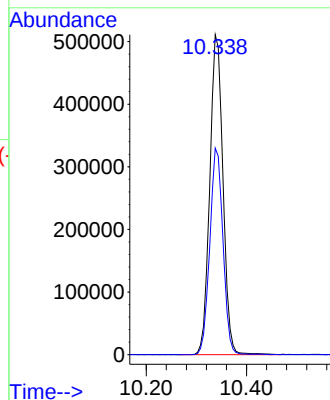
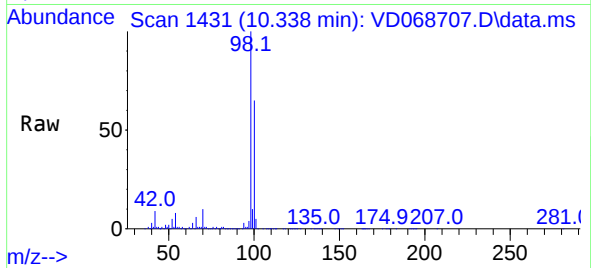




#50  
Toluene-d8  
Concen: 53.25 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

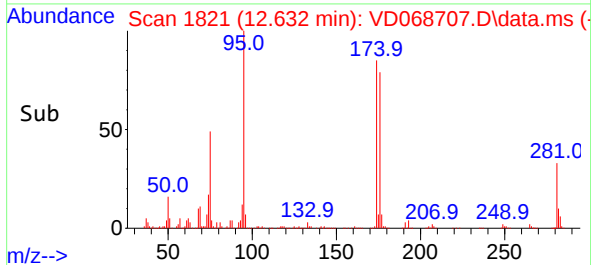
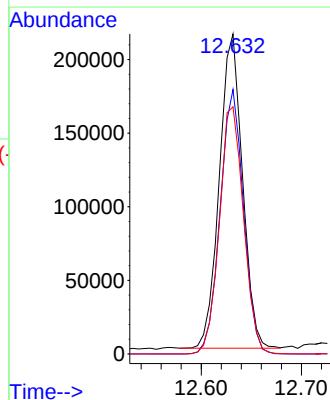
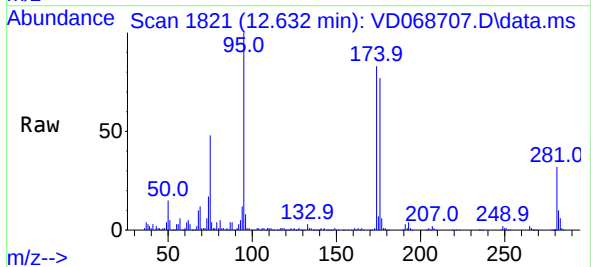
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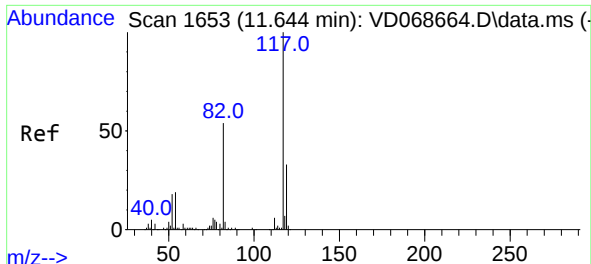
Tgt Ion: 98 Resp: 934607  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 59.98 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

Tgt Ion: 95 Resp: 341296  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 168.0  
176 82.1 0.0 160.2



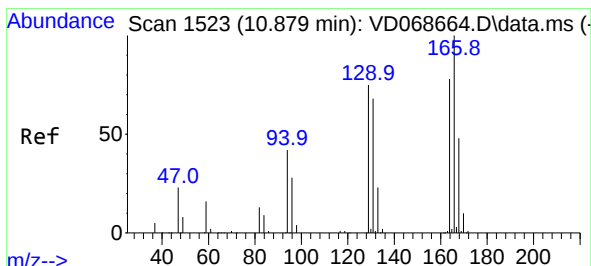
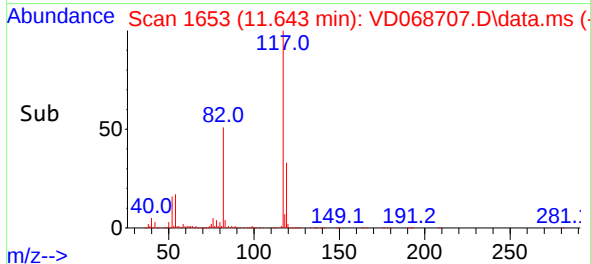
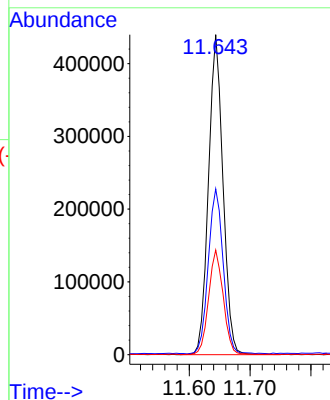
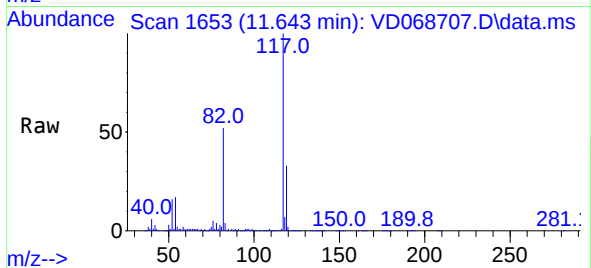


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. -0.000 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
FS-SB13(33-34)

Tgt Ion:117 Resp: 727303

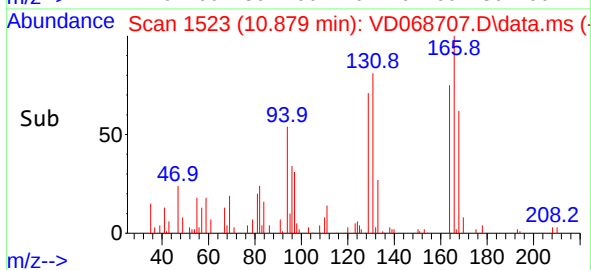
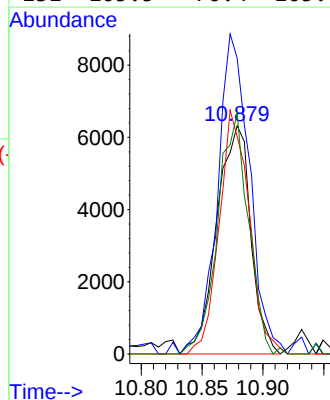
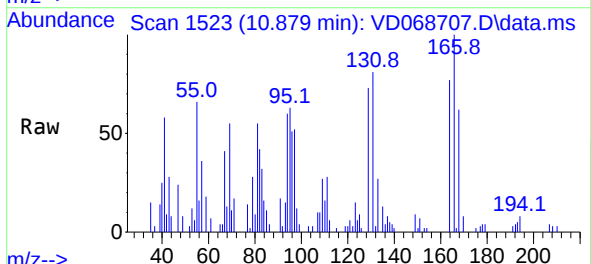
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 51.4  | 43.5  | 65.3  |
| 119 | 32.6  | 26.7  | 40.1  |

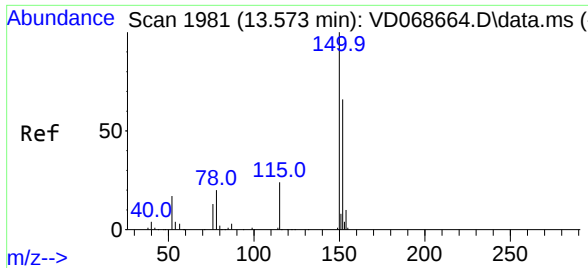


#64  
Tetrachloroethene  
Concen: 2.60 ug/l  
RT: 10.879 min Scan# 1523  
Delta R.T. -0.000 min  
Lab File: VD068707.D  
Acq: 29 Mar 2021 19:25

Tgt Ion:164 Resp: 12262

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 129.7 | 103.0 | 154.6 |
| 129 | 95.3  | 77.4  | 116.0 |
| 131 | 105.5 | 70.4  | 105.6 |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.573 min Scan# 1981  
 Delta R.T. -0.000 min  
 Lab File: VD068707.D  
 Acq: 29 Mar 2021 19:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FS-SB13(33-34)

Tgt Ion:152 Resp: 366545  
 Ion Ratio Lower Upper  
 152 100  
 115 57.8 29.3 87.8  
 150 156.1 0.0 347.6

