

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD033122\  
 Data File : VD072486.D  
 Acq On : 31 Mar 2022 12:49  
 Operator : VA/SY  
 Sample : VD0331SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0331

Quant Time: Apr 01 02:49:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 02:44:36 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 435913   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 777169   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 867852   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 444612   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 218744   | 41.482   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 82.960%  |
| 35) Dibromofluoromethane    | 7.908  | 113   | 250816   | 41.528   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 83.060%  |
| 50) Toluene-d8              | 10.332 | 98    | 972886   | 46.340   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 92.680%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 414603   | 50.566   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 101.140% |

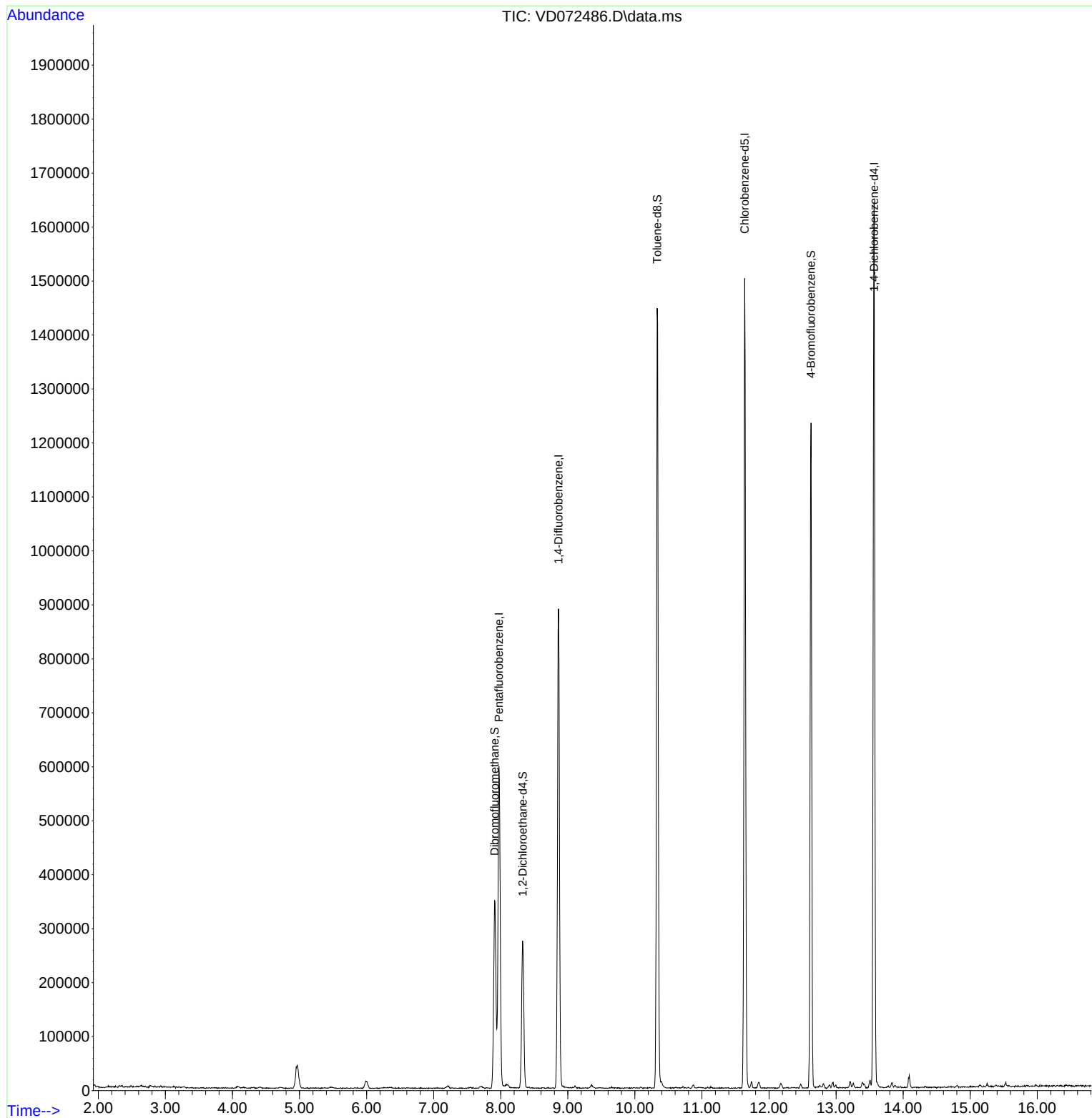
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

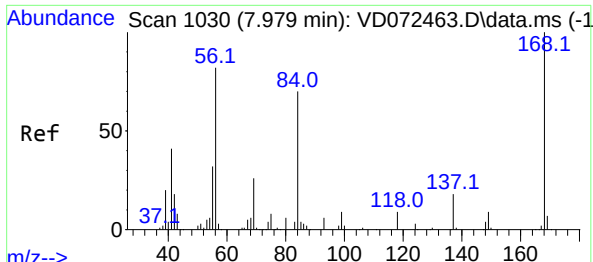
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0331

Quant Time: Apr 01 02:49:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 30 02:44:36 2022  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072486.D

Acq: 31 Mar 2022 12:49

Instrument :

MSVOA\_D

ClientSampleId :

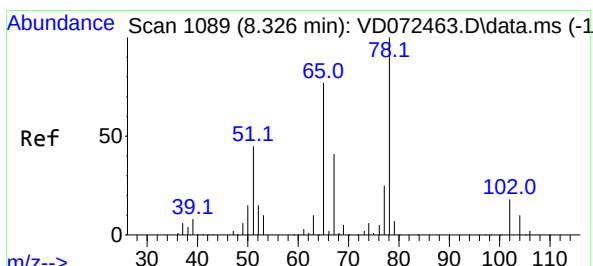
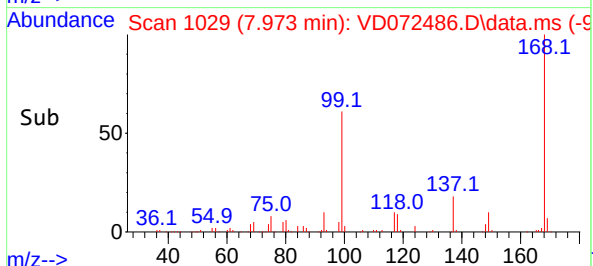
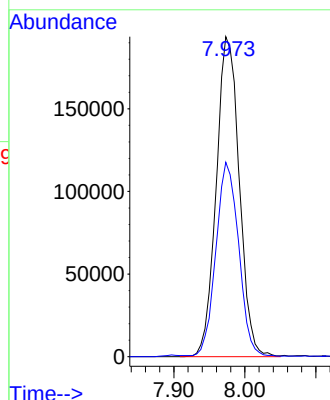
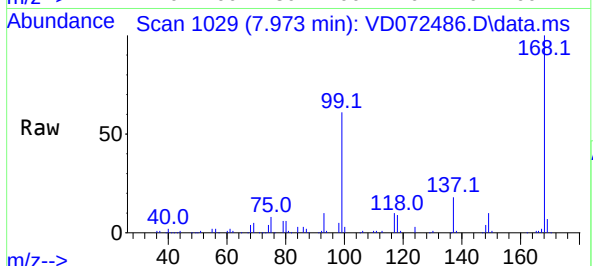
VD0331

Tgt Ion:168 Resp: 435913

Ion Ratio Lower Upper

168 100

99 60.6 49.8 74.6



1,2-Dichloroethane-d4

Concen: 41.482 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072486.D

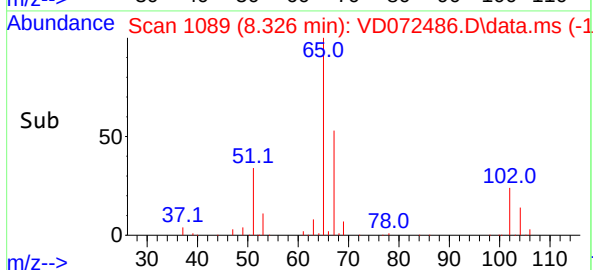
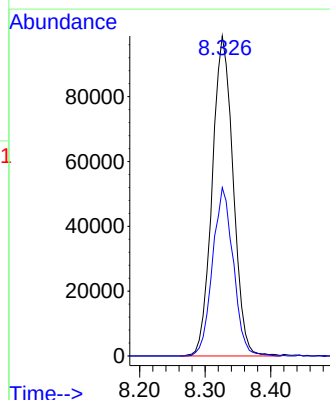
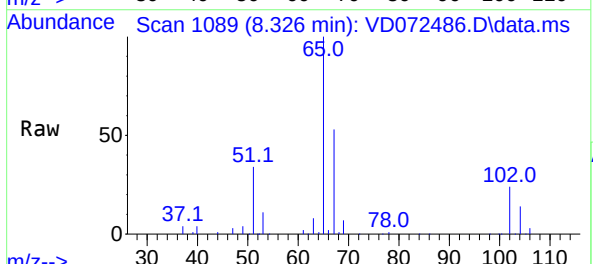
Acq: 31 Mar 2022 12:49

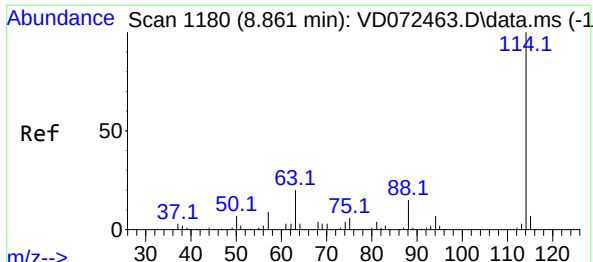
Tgt Ion: 65 Resp: 218744

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4

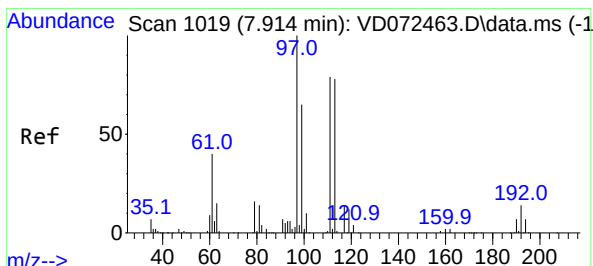
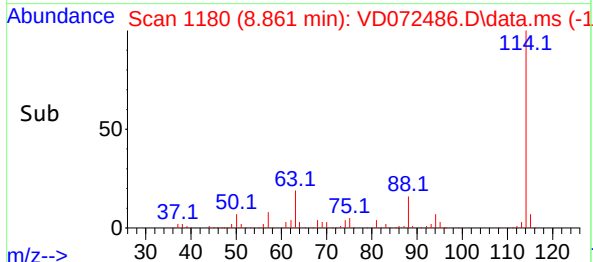
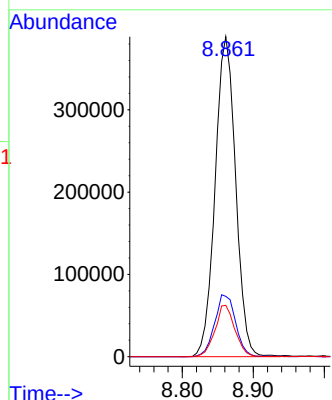
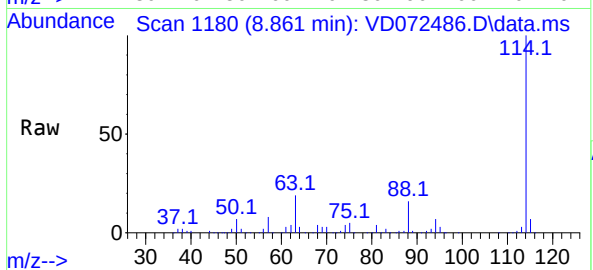




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD072486.D  
Acq: 31 Mar 2022 12:49

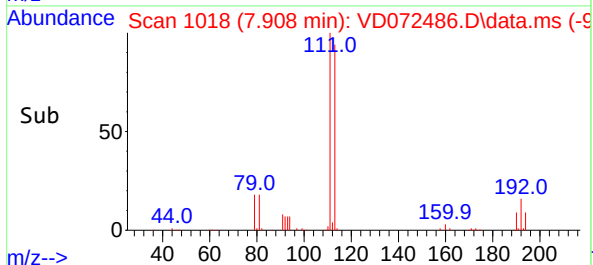
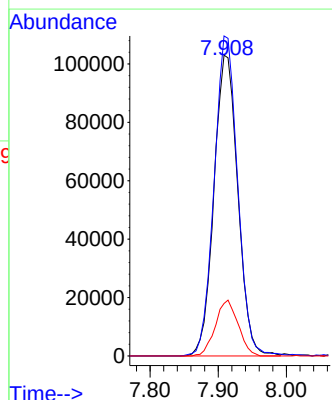
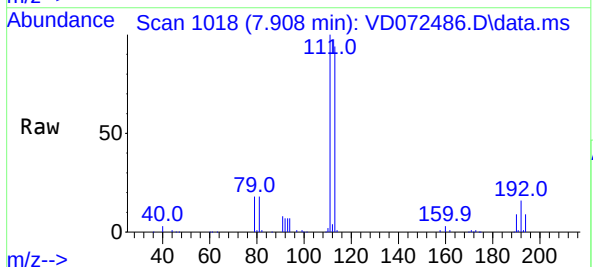
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0331

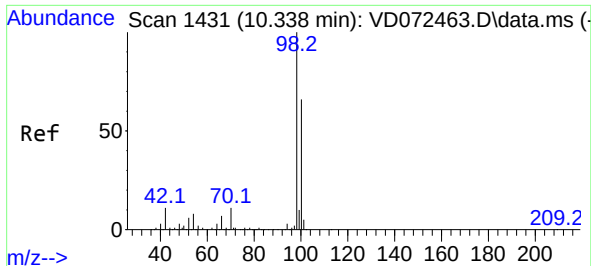
Tgt Ion:114 Resp: 777169  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 46.6  
88 16.1 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 41.528 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD072486.D  
Acq: 31 Mar 2022 12:49

Tgt Ion:113 Resp: 250816  
Ion Ratio Lower Upper  
113 100  
111 104.8 83.8 125.6  
192 17.7 14.6 21.8

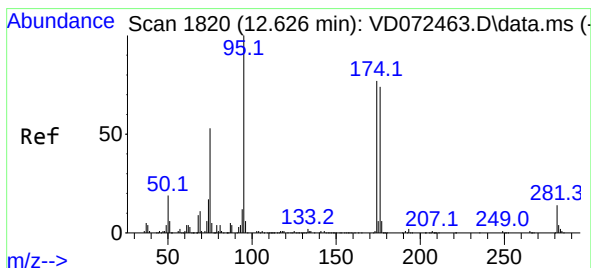
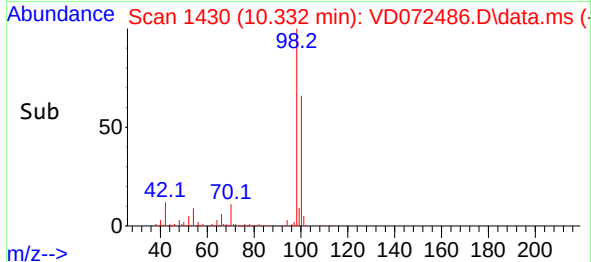
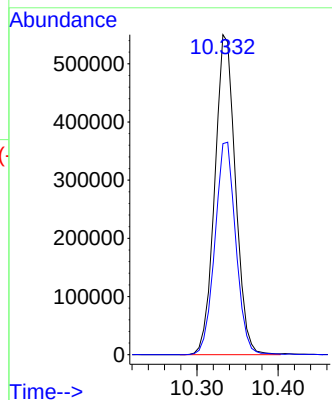
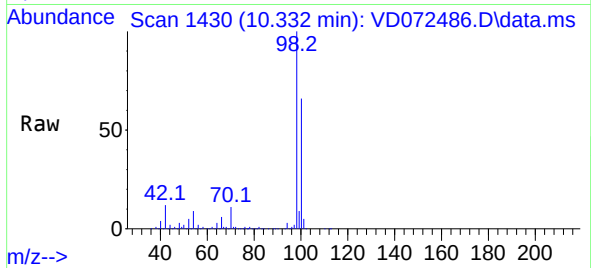




#50  
Toluene-d8  
Concen: 46.340 ug/l  
RT: 10.332 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD072486.D  
Acq: 31 Mar 2022 12:49

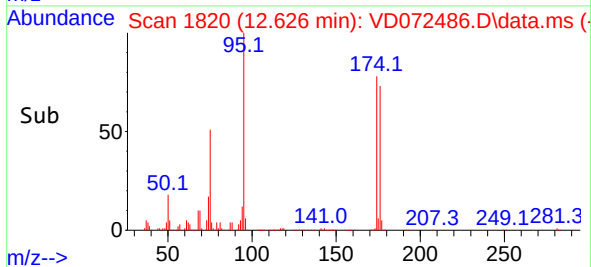
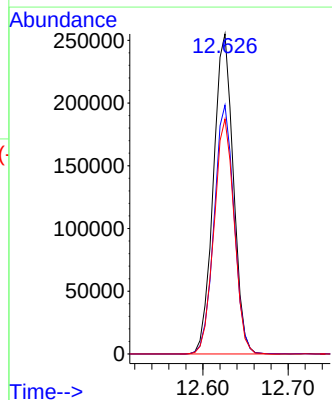
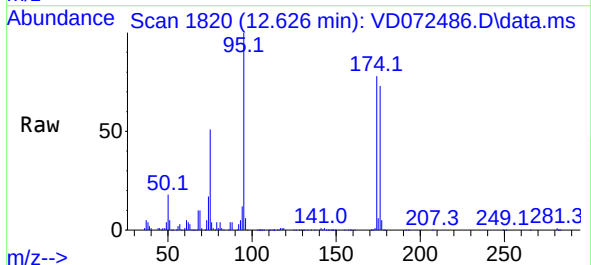
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0331

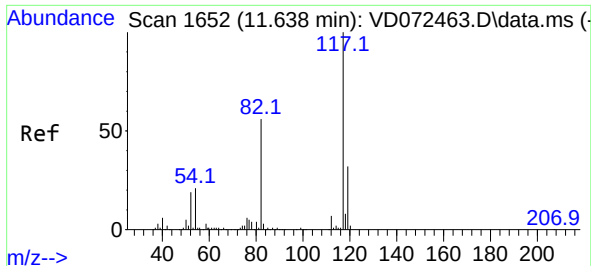
Tgt Ion: 98 Resp: 972886  
Ion Ratio Lower Upper  
98 100  
100 67.1 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 50.566 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD072486.D  
Acq: 31 Mar 2022 12:49

Tgt Ion: 95 Resp: 414603  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 152.8  
176 74.1 0.0 145.4

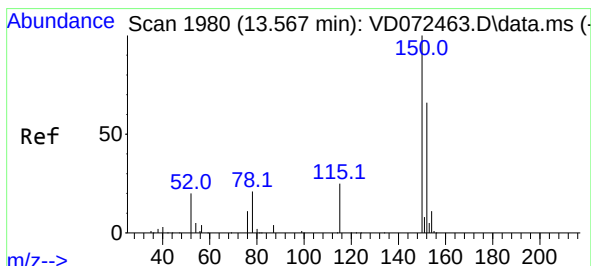
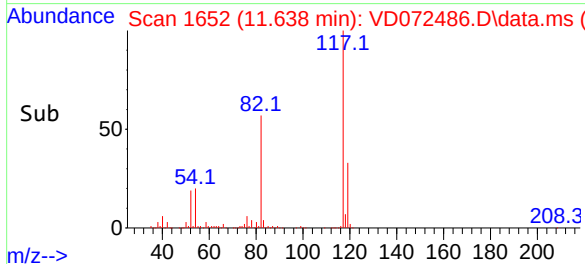
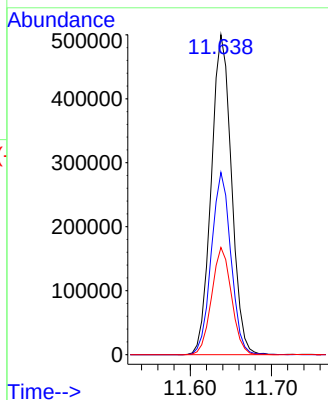
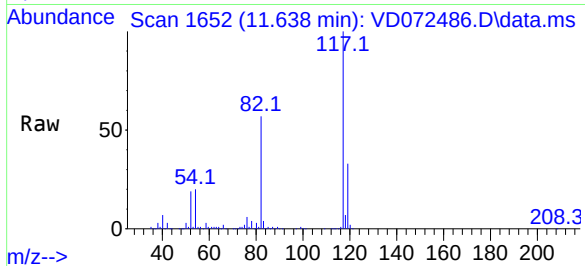




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD072486.D  
Acq: 31 Mar 2022 12:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0331

Tgt Ion:117 Resp: 867852  
Ion Ratio Lower Upper  
117 100  
82 57.0 45.3 67.9  
119 33.5 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD072486.D  
Acq: 31 Mar 2022 12:49

Tgt Ion:152 Resp: 444612  
Ion Ratio Lower Upper  
152 100  
115 60.8 31.3 93.8  
150 156.5 0.0 348.6

