

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010224\  
 Data File : VD078124.D  
 Acq On : 02 Jan 2024 16:51  
 Operator : RP/MD  
 Sample : 06017-06  
 Misc : 5.04G/5.0ml/MSVOA\_D/SOIL/B  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB32-1-20231222-10.0-11.0

Quant Time: Jan 03 00:07:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122623S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 27 03:40:16 2023  
 Response via : Initial Calibration

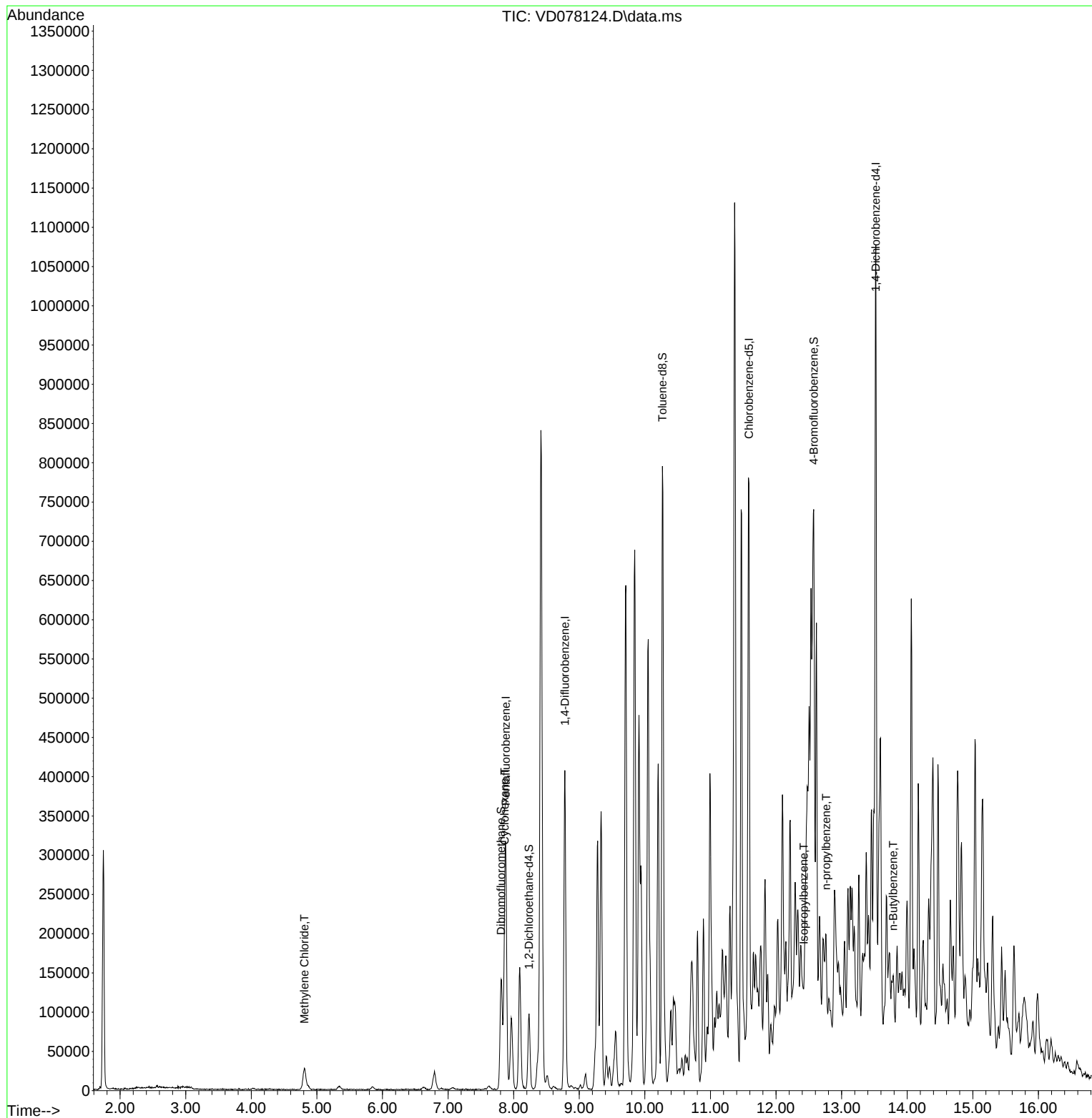
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.881  | 168   | 219874   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.781  | 114   | 369411   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.587 | 117   | 388269   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.522 | 152   | 204903   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 76745    | 39.228   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 78.460%  |
| 35) Dibromofluoromethane    | 7.810  | 113   | 103821   | 43.679   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 87.360%  |
| 50) Toluene-d8              | 10.269 | 98    | 486775   | 58.202   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 116.400% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 164289   | 61.050   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 122.100% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 4.810  | 84    | 21491    | 6.175    | ug/l # | 86       |
| 31) Cyclohexane             | 7.863  | 56    | 26205    | 8.396    | ug/l # | 55       |
| 73) Isopropylbenzene        | 12.422 | 105   | 15282    | 1.083    | ug/l   | 95       |
| 78) n-propylbenzene         | 12.763 | 91    | 32684    | 1.924    | ug/l   | 96       |
| 89) n-Butylbenzene          | 13.786 | 91    | 33838    | 2.759    | ug/l # | 78       |
| -----                       |        |       |          |          |        |          |

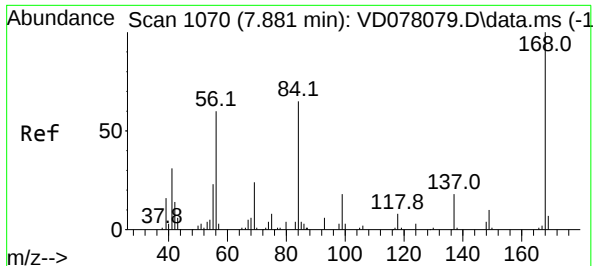
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010224\  
Data File : VD078124.D  
Acq On : 02 Jan 2024 16:51  
Operator : RP/MD  
Sample : 06017-06  
Misc : 5.04G/5.0ml/MSVOA\_D/SOIL/B  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB32-1-20231222-10.0-11.0

Quant Time: Jan 03 00:07:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122623S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 27 03:40:16 2023  
Response via : Initial Calibration

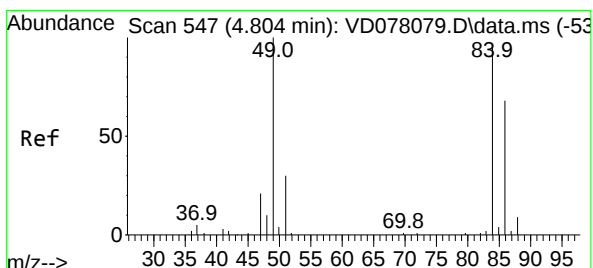
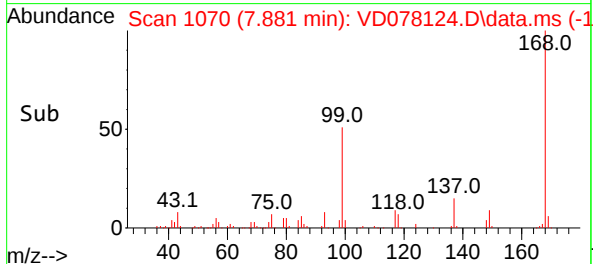
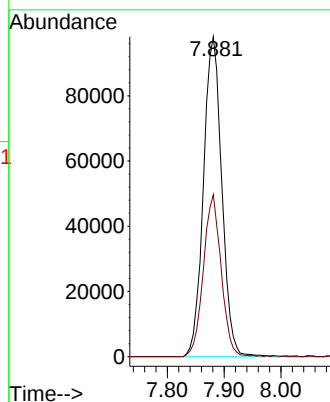
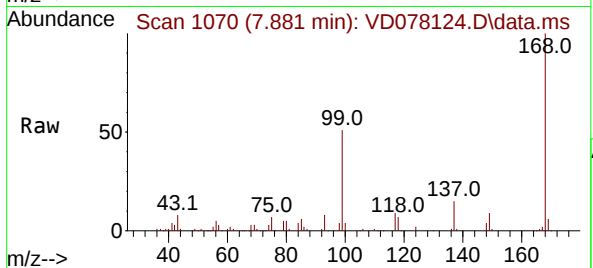




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

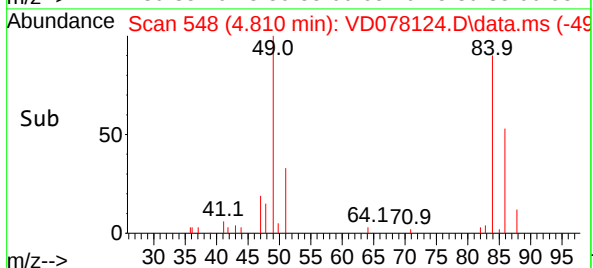
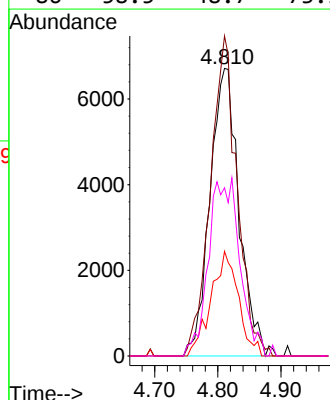
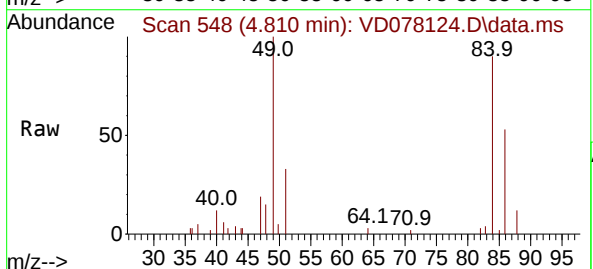
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB32-1-20231222-10.0-11.0

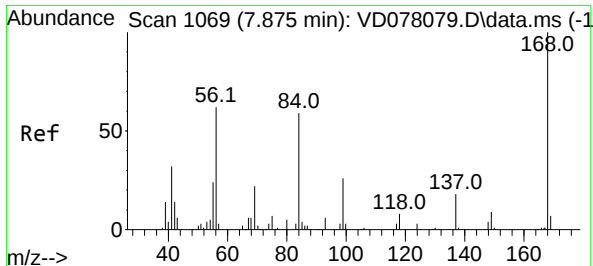
Tgt Ion:168 Resp: 219874  
Ion Ratio Lower Upper  
168 100  
99 50.7 36.7 55.1



#20  
Methylene Chloride  
Concen: 6.175 ug/l  
RT: 4.810 min Scan# 548  
Delta R.T. 0.006 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

Tgt Ion: 84 Resp: 21491  
Ion Ratio Lower Upper  
84 100  
49 111.3 71.4 107.2#  
51 36.4 24.5 36.7  
86 58.5 48.7 73.1

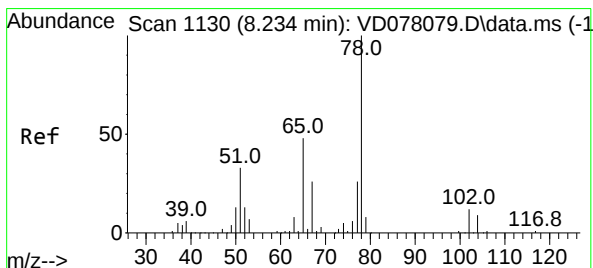
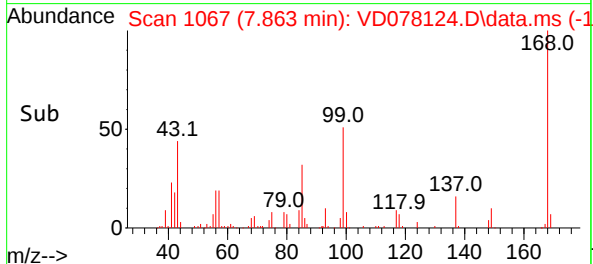
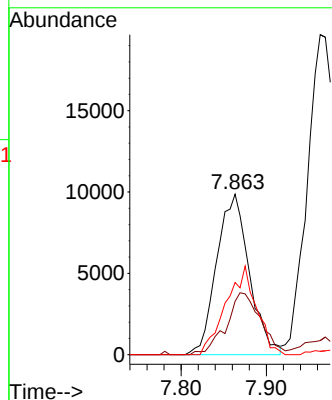
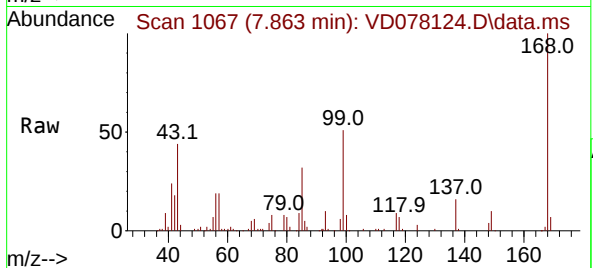




#31  
Cyclohexane  
Concen: 8.396 ug/l  
RT: 7.863 min Scan# 1067  
Delta R.T. -0.012 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

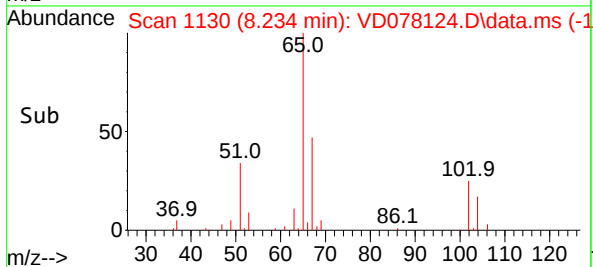
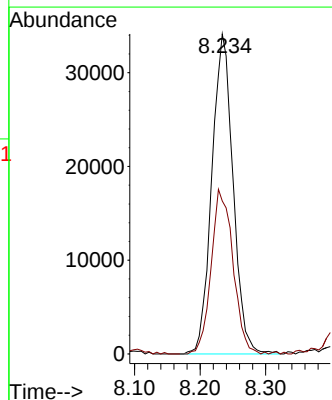
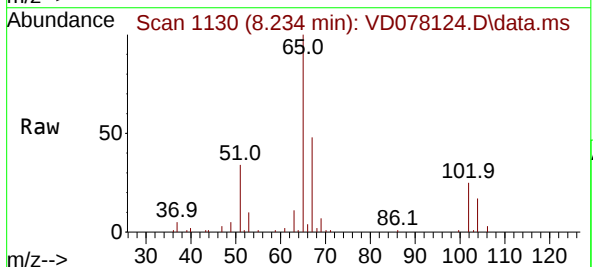
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB32-1-20231222-10.0-11.0

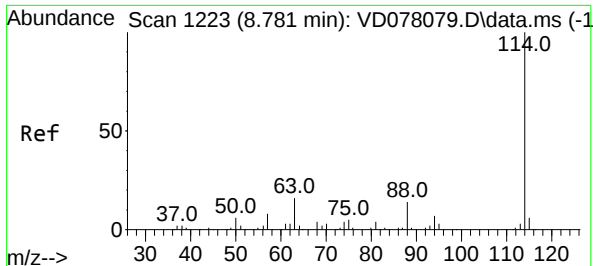
Tgt Ion: 56 Resp: 26205  
Ion Ratio Lower Upper  
56 100  
69 33.2 28.6 43.0  
84 45.0 84.8 127.2#



#33  
1,2-Dichloroethane-d4  
Concen: 39.228 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

Tgt Ion: 65 Resp: 76745  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 115.0

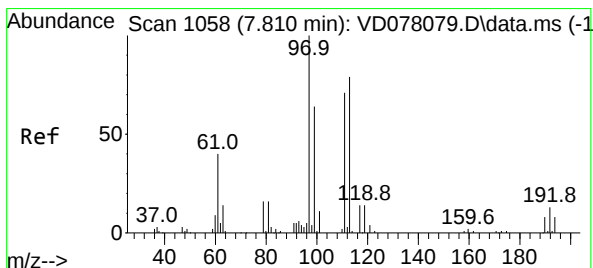
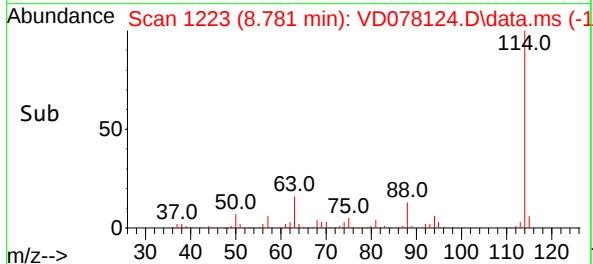
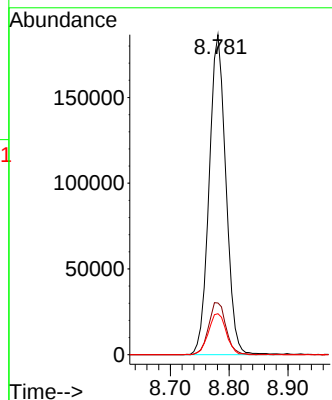
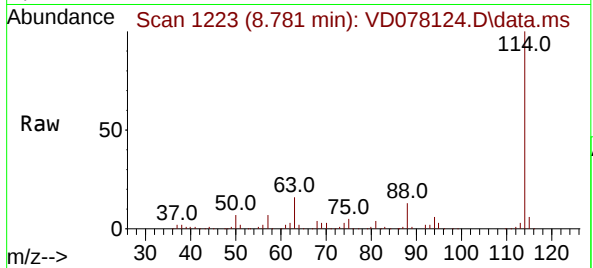




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.781 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

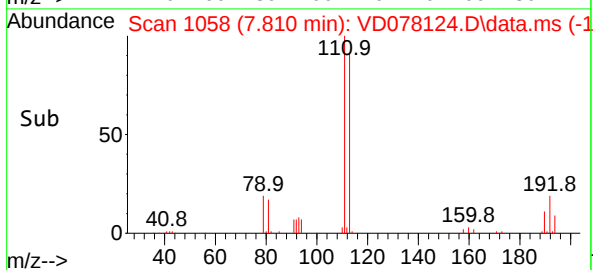
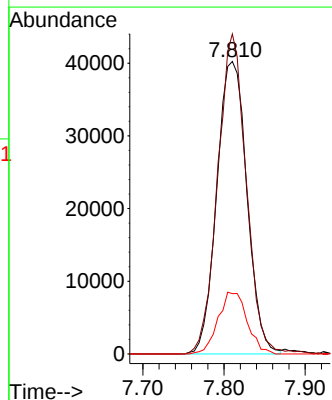
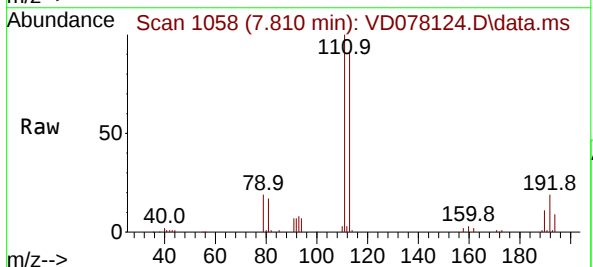
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB32-1-20231222-10.0-11.0

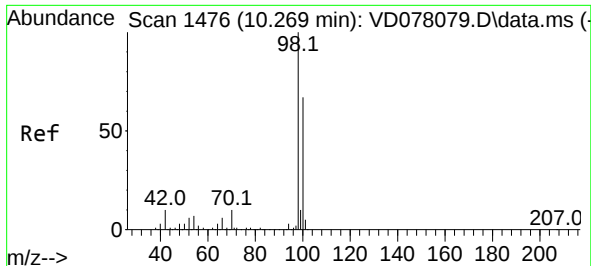
Tgt Ion:114 Resp: 369411  
Ion Ratio Lower Upper  
114 100  
63 16.2 0.0 33.4  
88 12.8 0.0 26.2



#35  
Dibromofluoromethane  
Concen: 43.679 ug/l  
RT: 7.810 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

Tgt Ion:113 Resp: 103821  
Ion Ratio Lower Upper  
113 100  
111 103.7 84.7 127.1  
192 20.3 16.8 25.2

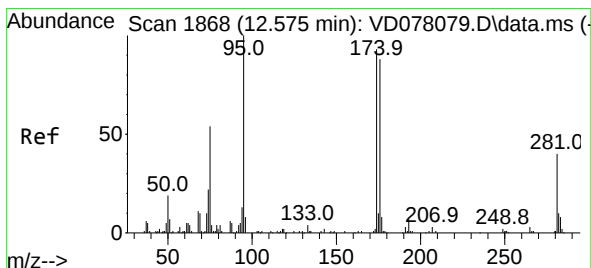
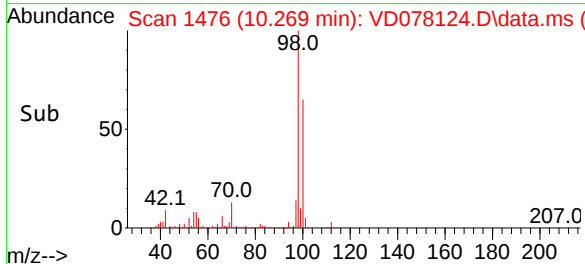
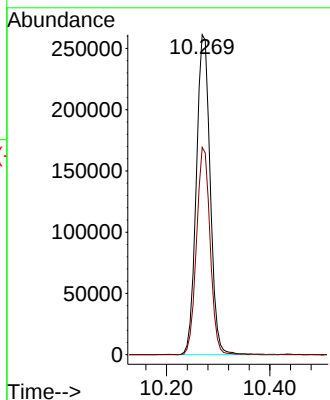
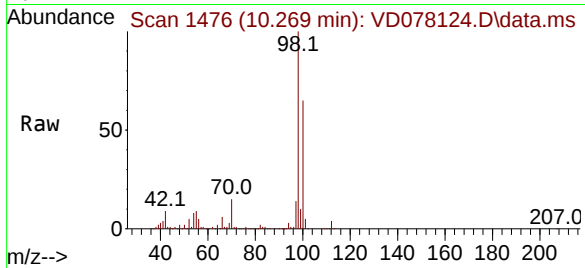




#50  
Toluene-d8  
Concen: 58.202 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

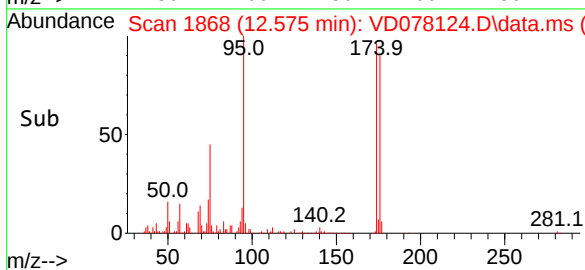
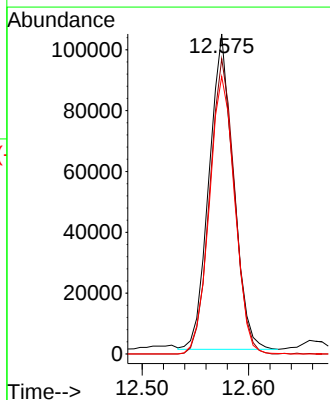
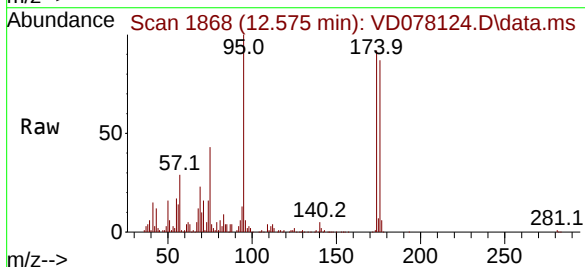
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB32-1-20231222-10.0-11.0

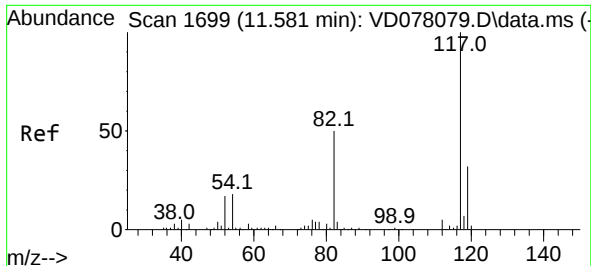
Tgt Ion: 98 Resp: 486775  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 61.050 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

Tgt Ion: 95 Resp: 164289  
Ion Ratio Lower Upper  
95 100  
174 95.5 0.0 201.8  
176 91.9 0.0 191.8

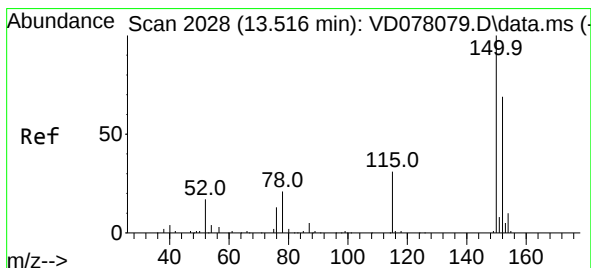
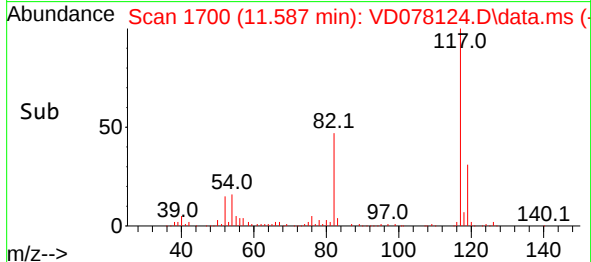
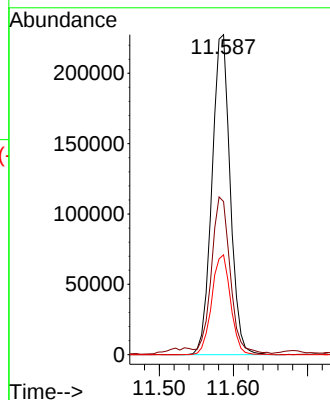
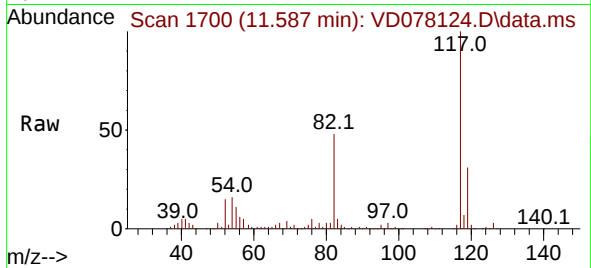




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

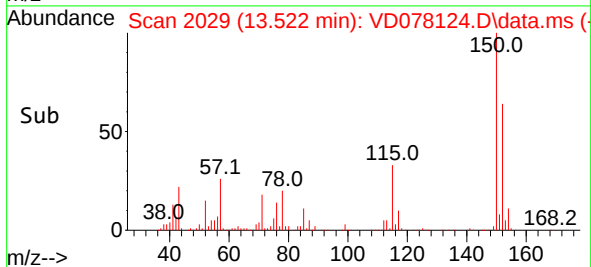
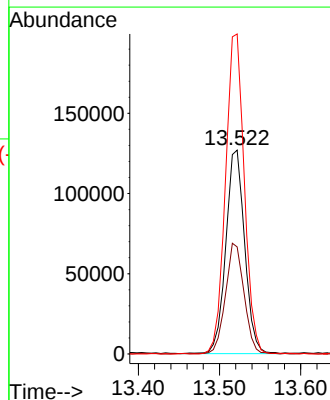
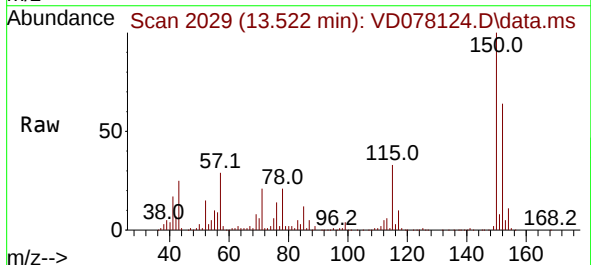
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB32-1-20231222-10.0-11.0

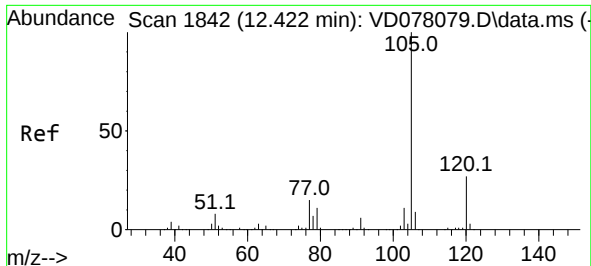
Tgt Ion:117 Resp: 388269  
Ion Ratio Lower Upper  
117 100  
82 47.1 38.3 57.5  
119 31.2 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

Tgt Ion:152 Resp: 204903  
Ion Ratio Lower Upper  
152 100  
115 53.7 27.1 81.3  
150 157.0 0.0 353.6

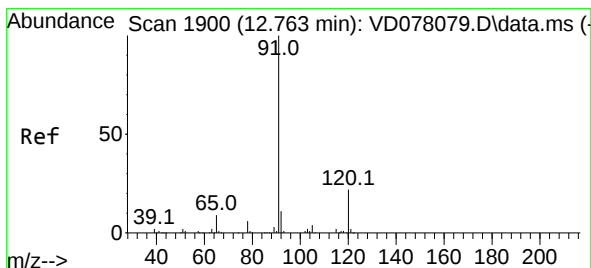
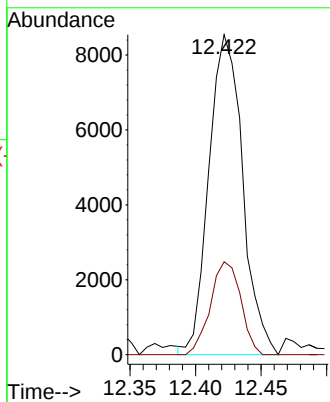
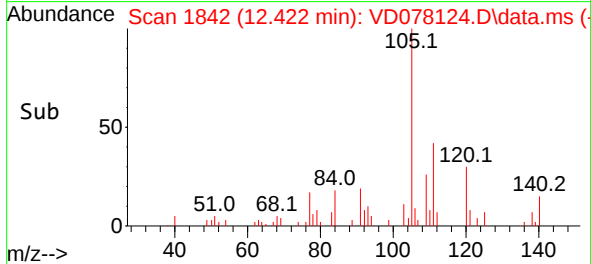
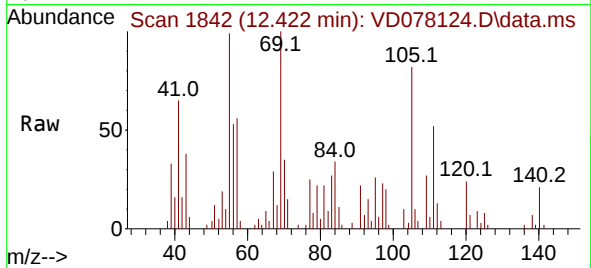




#73  
Isopropylbenzene  
Concen: 1.083 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

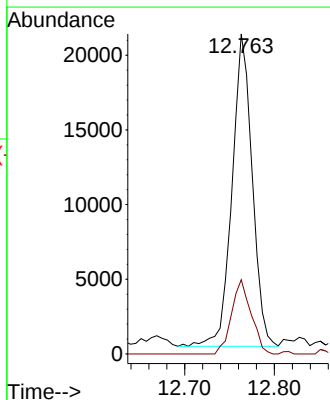
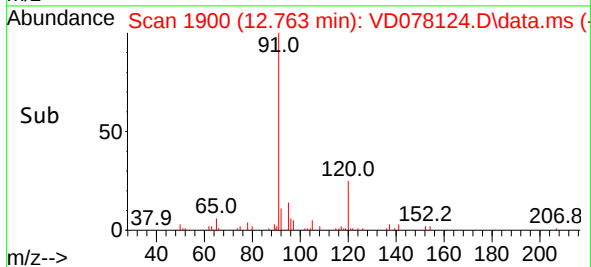
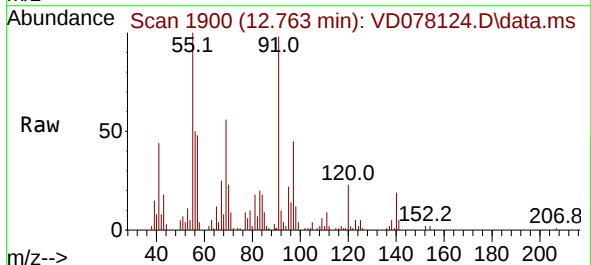
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB32-1-20231222-10.0-11.0

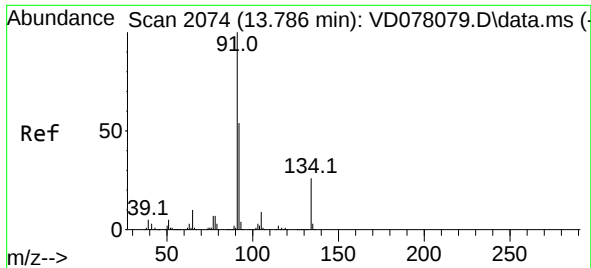
Tgt Ion:105 Resp: 15282  
Ion Ratio Lower Upper  
105 100  
120 26.1 14.3 42.9



#78  
n-propylbenzene  
Concen: 1.924 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD078124.D  
Acq: 02 Jan 2024 16:51

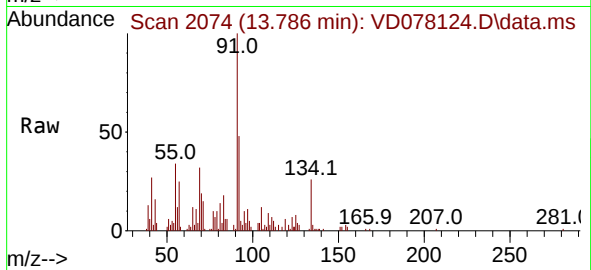
Tgt Ion: 91 Resp: 32684  
Ion Ratio Lower Upper  
91 100  
120 23.0 12.4 37.2





#89  
 n-Butylbenzene  
 Concen: 2.759 ug/l  
 RT: 13.786 min Scan# 2074  
 Delta R.T. 0.000 min  
 Lab File: VD078124.D  
 Acq: 02 Jan 2024 16:51

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB32-1-20231222-10.0-11.0



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 33838 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 49.1  | 26.5  | 79.5  |
| 134      | 0.0   | 13.8  | 41.3  |

