

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062725\  
 Data File : VD080489.D  
 Acq On : 27 Jun 2025 11:38  
 Operator : RP/MD  
 Sample : VD0627SBL01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0627SBL01

Quant Time: Jun 28 03:06:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062625S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 05:16:36 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.876  | 168  | 448950   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.776  | 114  | 792554   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.582 | 117  | 675853   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.517 | 152  | 300180   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.235  | 65    | 200287   | 45.507   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.020% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 210244   | 47.374   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.740% |
| 50) Toluene-d8              | 10.270 | 98    | 868759   | 48.456   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.920% |
| 62) 4-Bromofluorobenzene    | 12.570 | 95    | 268744   | 45.715   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 91.440% |

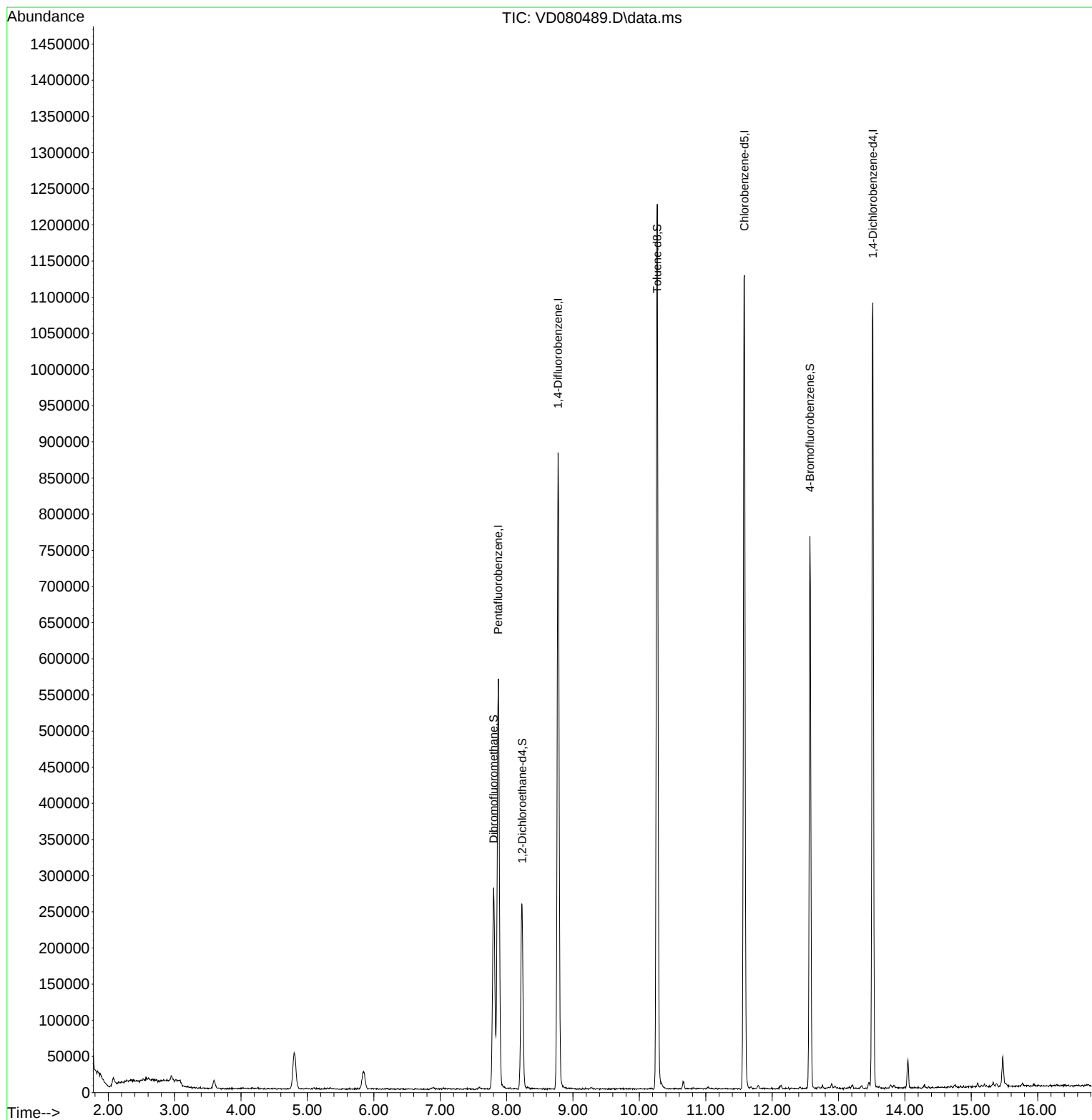
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

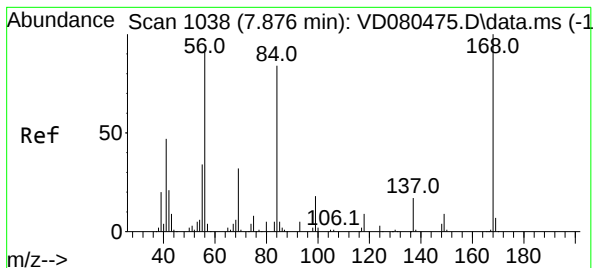
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD0627SBL01  
Misc : 5.00G/5ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0627SBL01

Quant Time: Jun 28 03:06:14 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062625S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 27 05:16:36 2025  
Response via : Initial Calibration

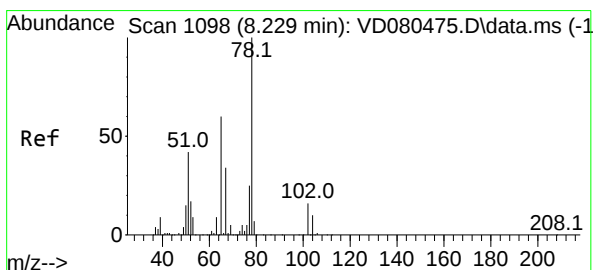
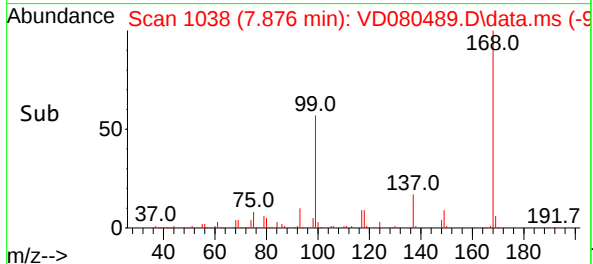
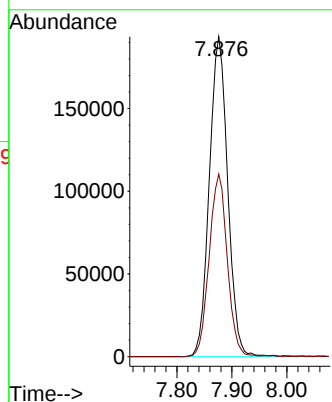
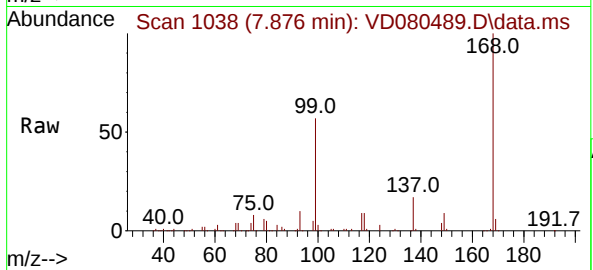




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.876 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VD080489.D  
Acq: 27 Jun 2025 11:38

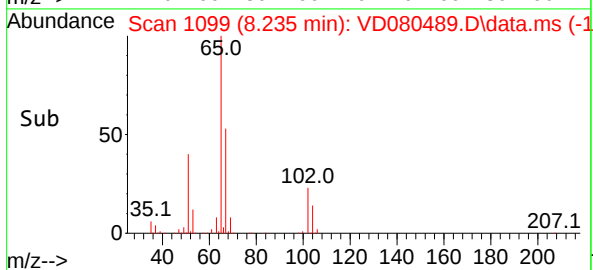
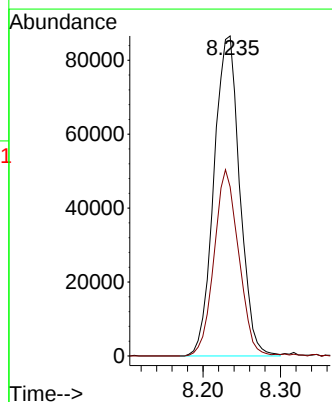
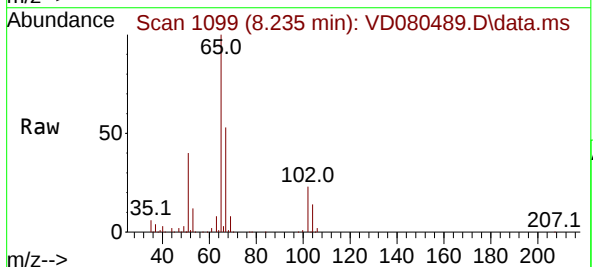
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0627SBL01

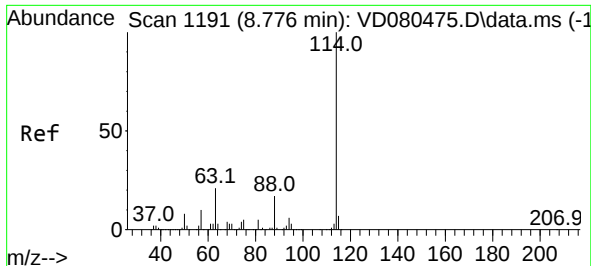
Tgt Ion:168 Resp: 448950  
Ion Ratio Lower Upper  
168 100  
99 57.1 45.8 68.8



#33  
1,2-Dichloroethane-d4  
Concen: 45.507 ug/l  
RT: 8.235 min Scan# 1099  
Delta R.T. 0.006 min  
Lab File: VD080489.D  
Acq: 27 Jun 2025 11:38

Tgt Ion: 65 Resp: 200287  
Ion Ratio Lower Upper  
65 100  
67 55.5 0.0 113.4

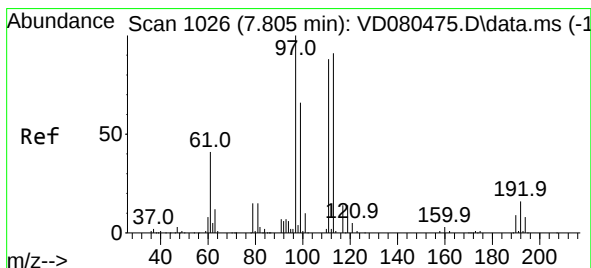
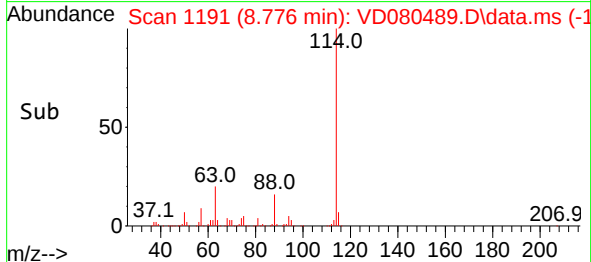
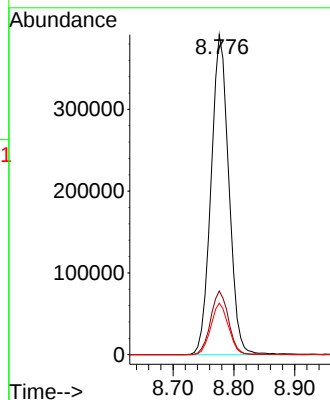
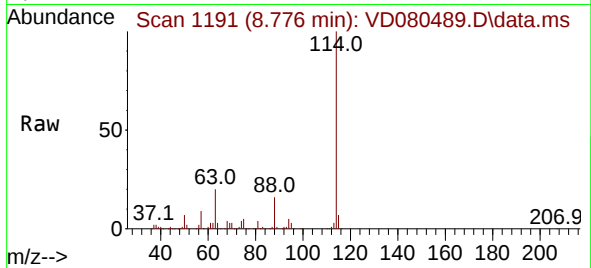




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.776 min Scan# 1191  
Delta R.T. -0.000 min  
Lab File: VD080489.D  
Acq: 27 Jun 2025 11:38

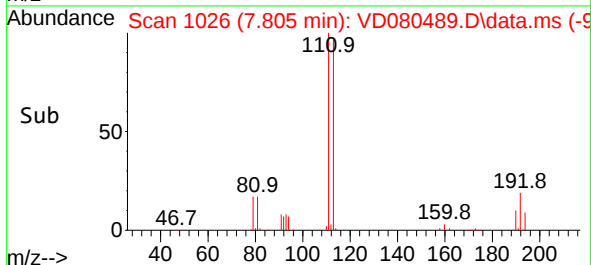
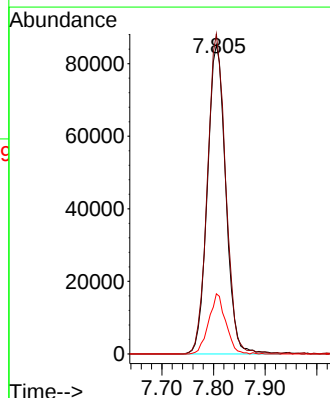
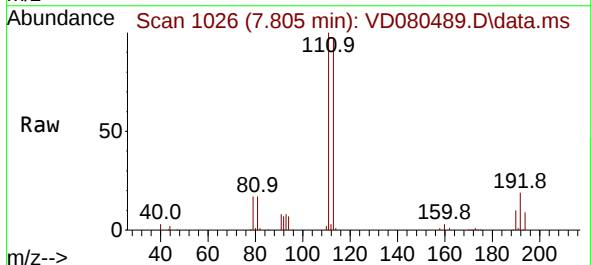
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0627SBL01

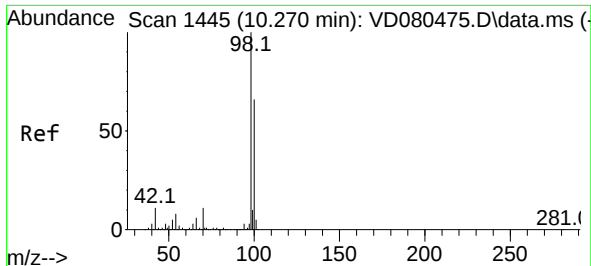
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 792554 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.9  | 0.0   | 42.0   |
| 88       | 16.1  | 0.0   | 33.8   |



#35  
Dibromofluoromethane  
Concen: 47.374 ug/l  
RT: 7.805 min Scan# 1026  
Delta R.T. -0.000 min  
Lab File: VD080489.D  
Acq: 27 Jun 2025 11:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 210244 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.9 | 82.5  | 123.7  |
| 192      | 18.0  | 15.0  | 22.6   |

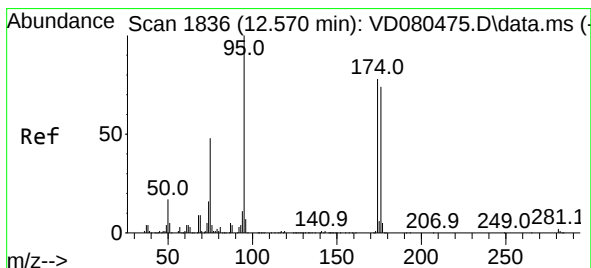
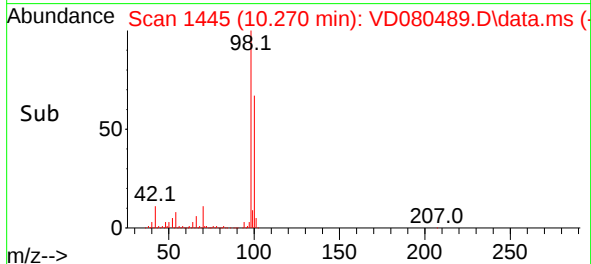
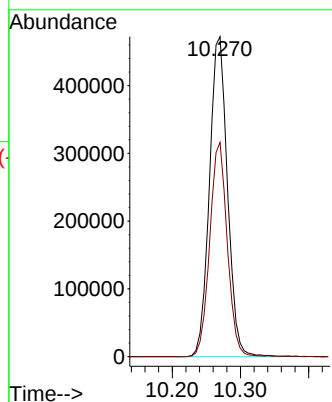
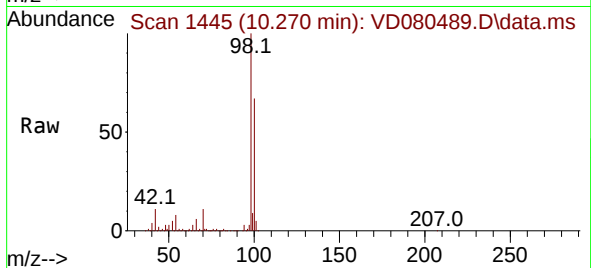




#50  
Toluene-d8  
Concen: 48.456 ug/l  
RT: 10.270 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: VD080489.D  
Acq: 27 Jun 2025 11:38

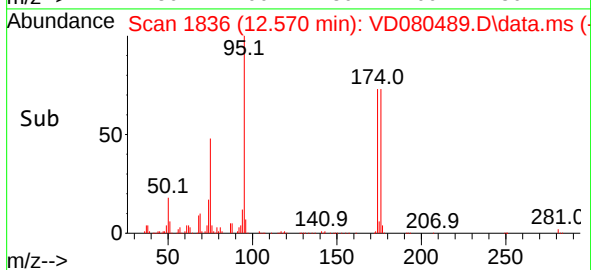
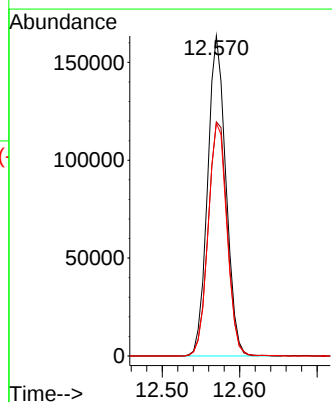
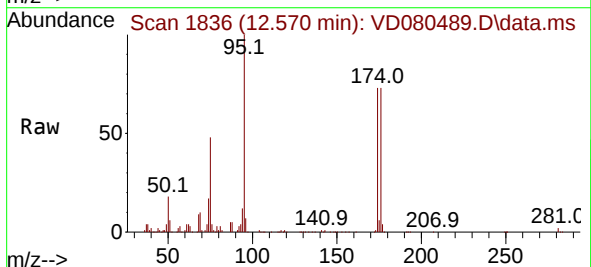
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0627SBL01

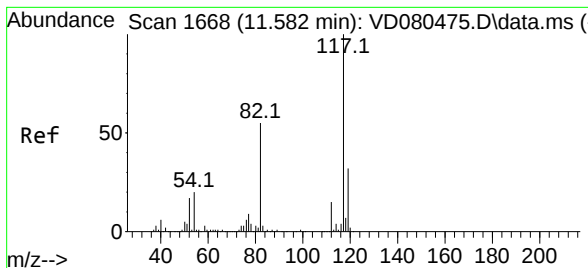
Tgt Ion: 98 Resp: 868759  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 45.715 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VD080489.D  
Acq: 27 Jun 2025 11:38

Tgt Ion: 95 Resp: 268744  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 154.0  
176 74.7 0.0 149.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.582 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD080489.D

Acq: 27 Jun 2025 11:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0627SBL01

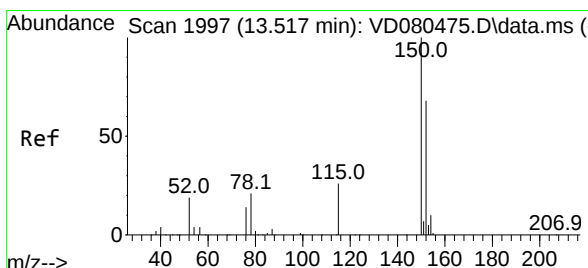
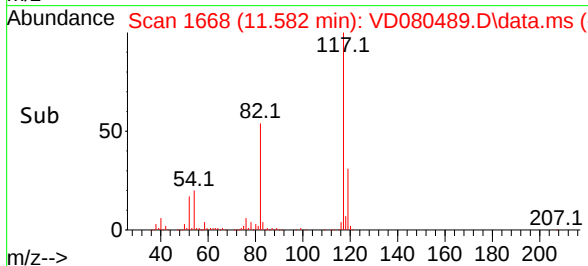
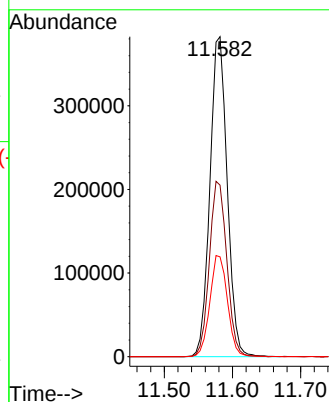
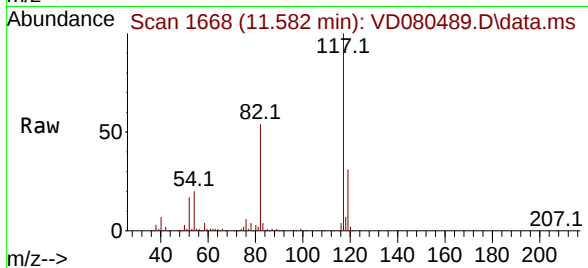
Tgt Ion:117 Resp: 675853

Ion Ratio Lower Upper

117 100

82 53.6 43.7 65.5

119 31.2 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.517 min Scan# 1997

Delta R.T. -0.000 min

Lab File: VD080489.D

Acq: 27 Jun 2025 11:38

Tgt Ion:152 Resp: 300180

Ion Ratio Lower Upper

152 100

115 58.5 30.2 90.6

150 158.3 0.0 350.2

