

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111724\  
 Data File : VD080044.D  
 Acq On : 17 Nov 2024 16:13  
 Operator : RP/MD  
 Sample : P4833-03  
 Misc : 4.87G/5ml/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MH-731-VOC

Quant Time: Nov 18 04:25:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 15 16:25:47 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 172840   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.781  | 114   | 291127   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 262778   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 113453   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 90025    | 50.588   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 101.180% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 95760    | 49.423   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 98.840%  |
| 50) Toluene-d8              | 10.269 | 98    | 312067   | 42.734   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 85.460%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 93523    | 39.035   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 78.060%  |

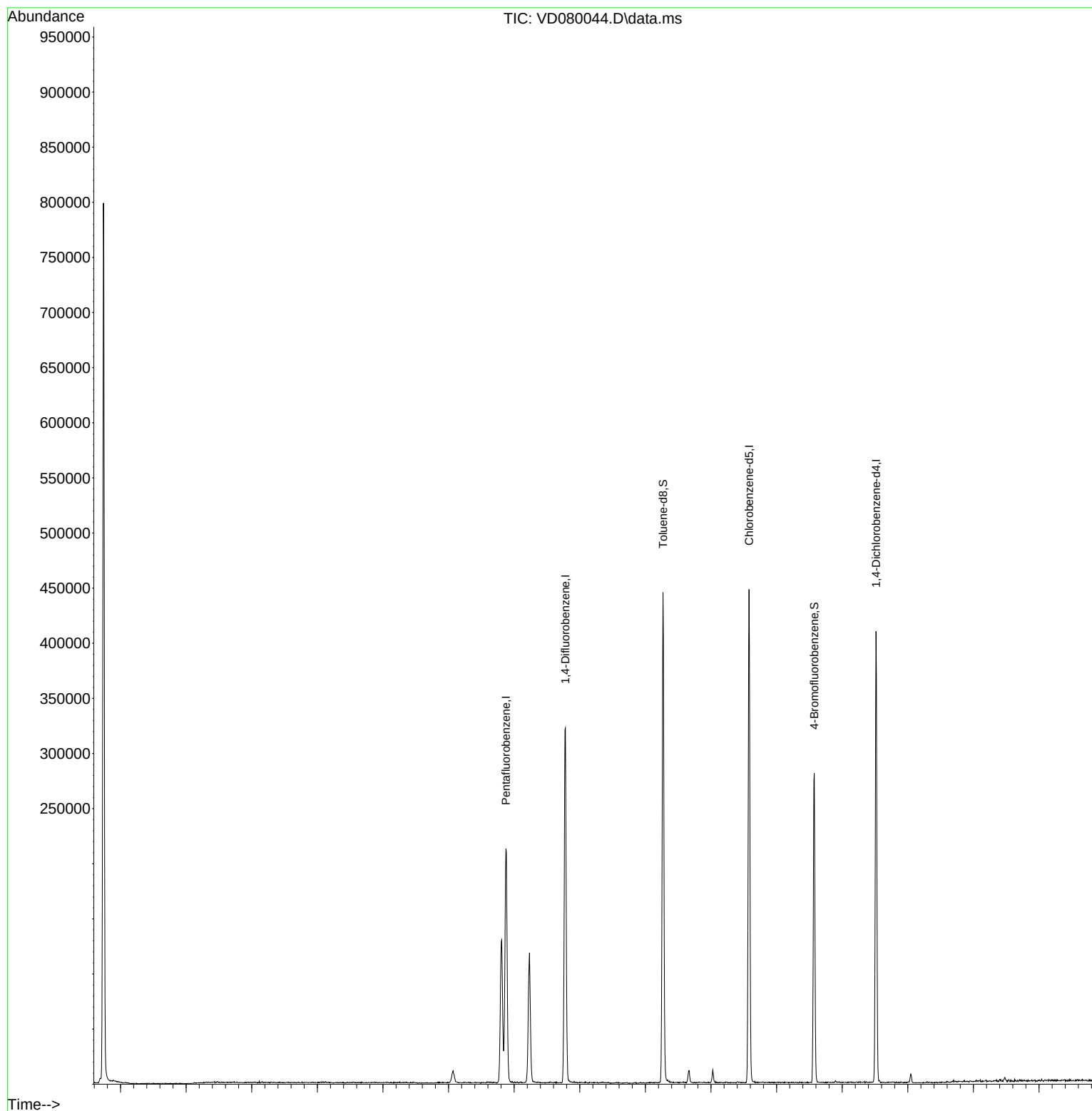
Target Compounds Qvalue

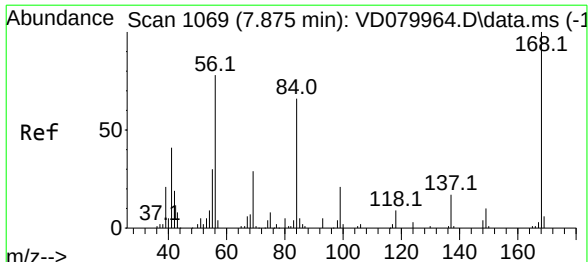
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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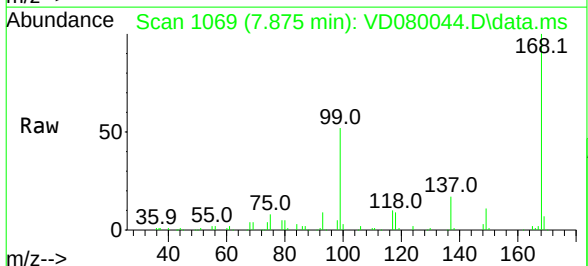
Quant Time: Nov 18 04:25:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 15 16:25:47 2024  
Response via : Initial Calibration



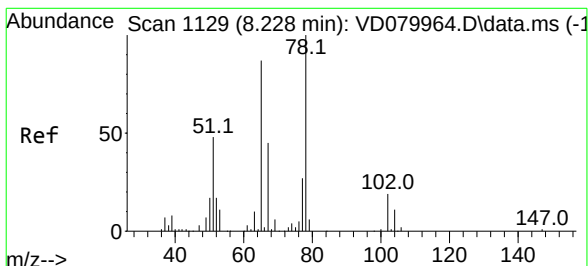
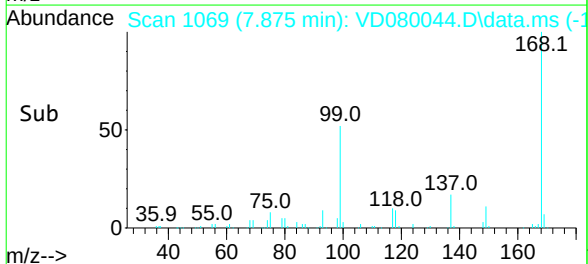
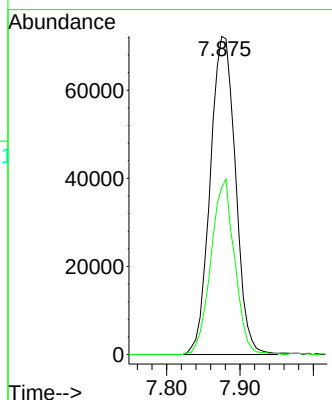


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD080044.D  
Acq: 17 Nov 2024 16:13

Instrument :  
MSVOA\_D  
ClientSampleId :  
MH-731-VOC

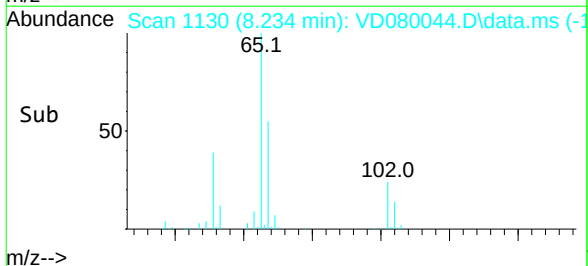
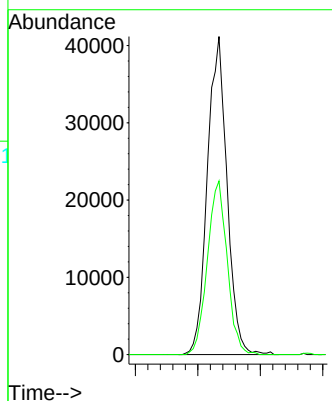
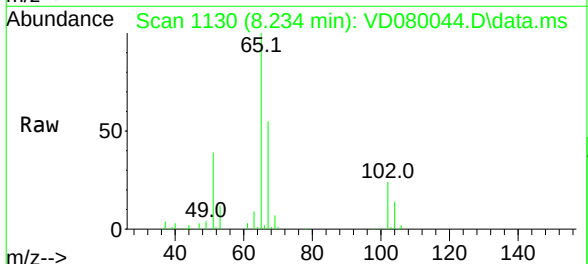


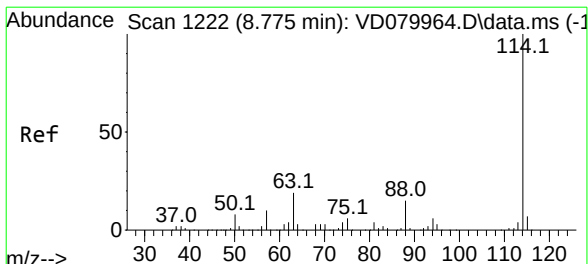
Tgt Ion:168 Resp: 172840  
Ion Ratio Lower Upper  
168 100  
99 52.5 46.0 69.0



#33  
1,2-Dichloroethane-d4  
Concen: 50.588 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD080044.D  
Acq: 17 Nov 2024 16:13

Tgt Ion: 65 Resp: 90025  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 109.2

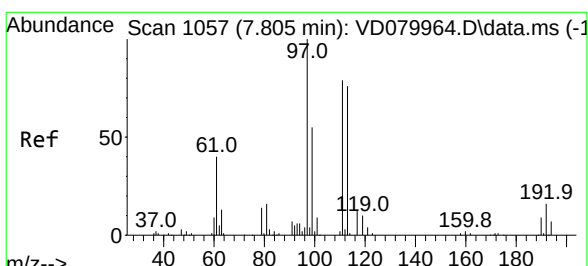
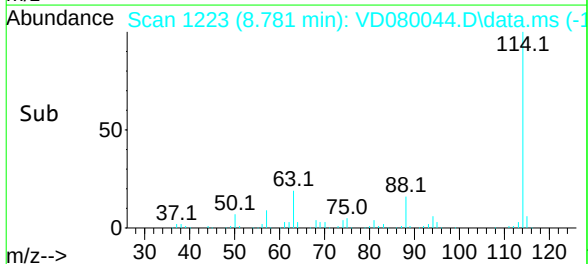
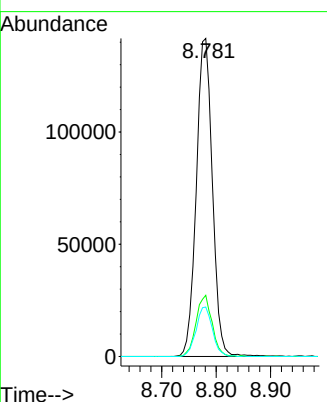
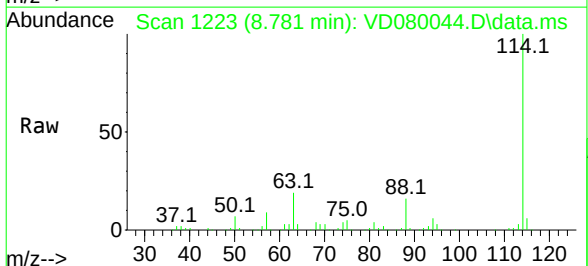




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.781 min Scan# 1222  
 Delta R.T. 0.006 min  
 Lab File: VD080044.D  
 Acq: 17 Nov 2024 16:13

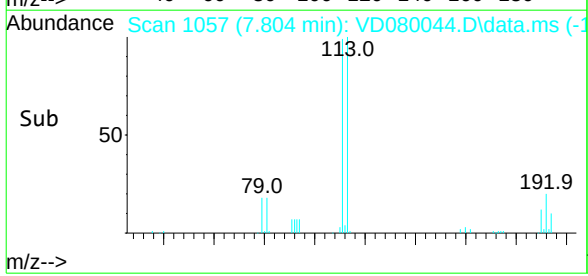
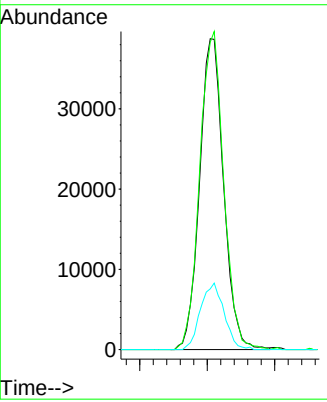
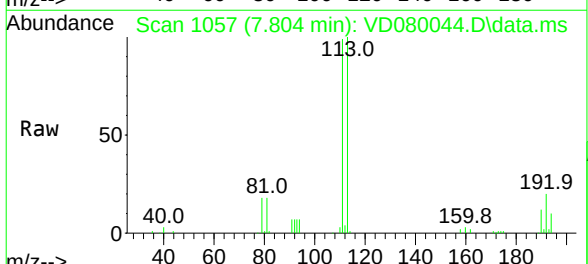
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MH-731-VOC

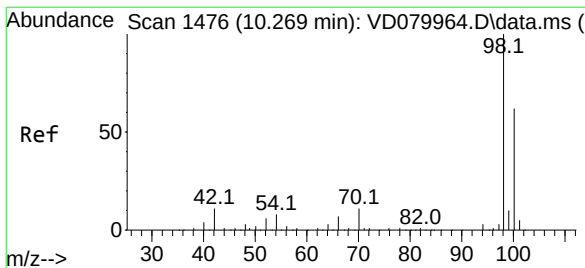
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 291127 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 19.2  | 0.0   | 38.8   |
| 88        | 15.5  | 0.0   | 30.6   |



#35  
 Dibromofluoromethane  
 Concen: 49.423 ug/l  
 RT: 7.804 min Scan# 1057  
 Delta R.T. -0.001 min  
 Lab File: VD080044.D  
 Acq: 17 Nov 2024 16:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 95760 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 102.3 | 82.5  | 123.7 |
| 192       | 21.0  | 16.6  | 25.0  |





#50

Toluene-d8

Concen: 42.734 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD080044.D

Acq: 17 Nov 2024 16:13

Instrument :

MSVOA\_D

ClientSampleId :

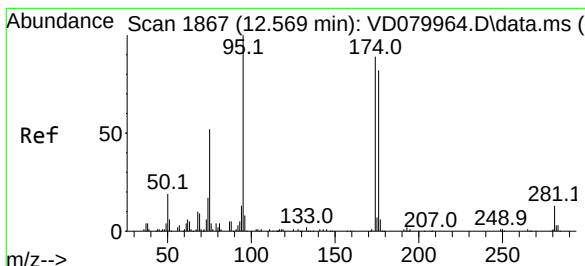
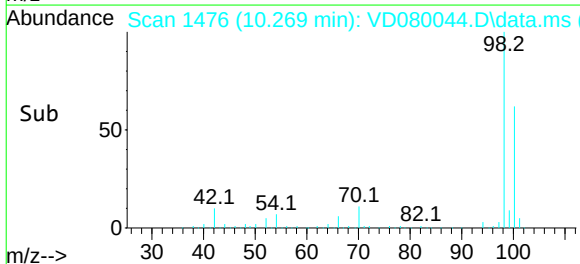
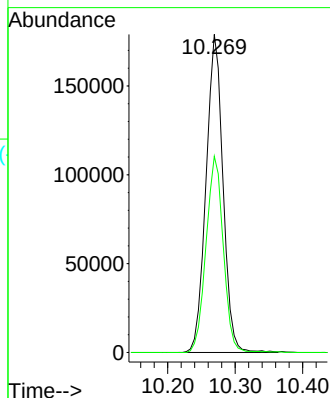
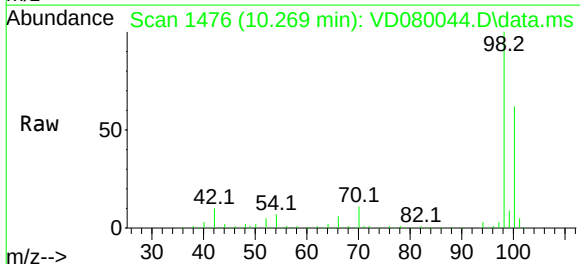
MH-731-VOC

Tgt Ion: 98 Resp: 312067

Ion Ratio Lower Upper

98 100

100 62.9 50.2 75.4



#62

4-Bromofluorobenzene

Concen: 39.035 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD080044.D

Acq: 17 Nov 2024 16:13

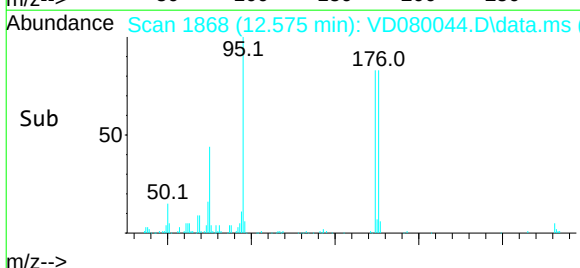
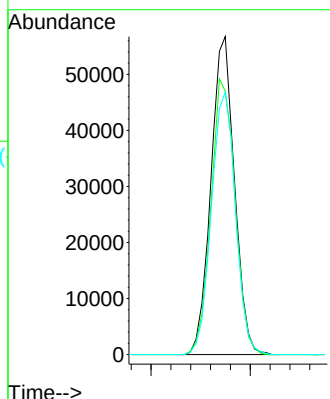
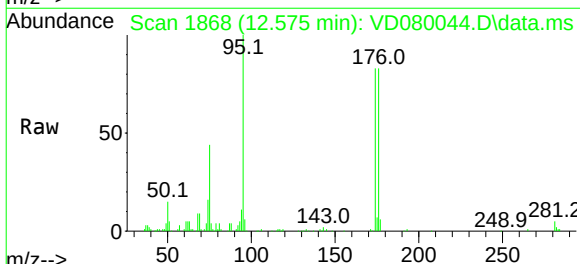
Tgt Ion: 95 Resp: 93523

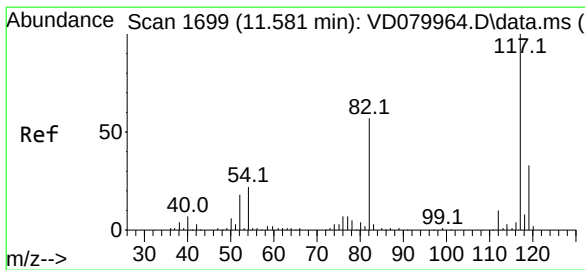
Ion Ratio Lower Upper

95 100

174 88.7 0.0 173.4

176 84.4 0.0 166.6

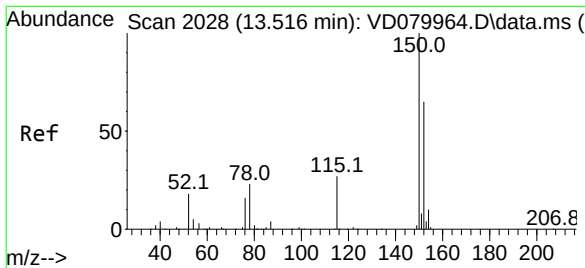
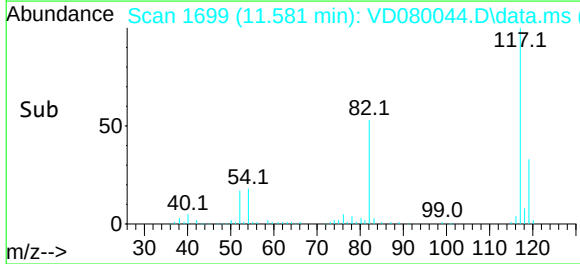
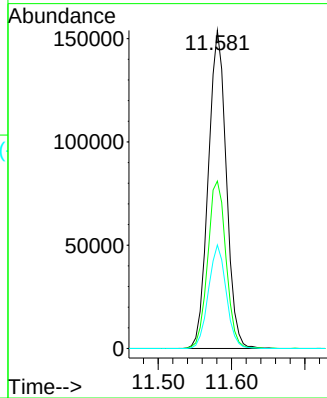
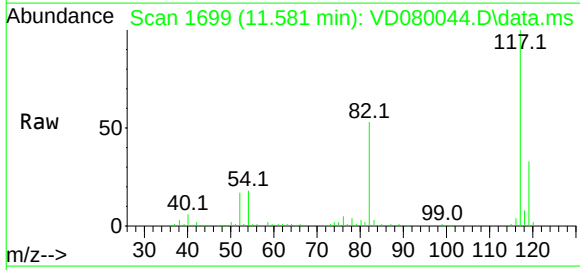




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD080044.D  
Acq: 17 Nov 2024 16:13

Instrument :  
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ClientSampleId :  
MH-731-VOC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 262778 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.6  | 45.8  | 68.6   |
| 119      | 32.5  | 26.2  | 39.2   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD080044.D  
Acq: 17 Nov 2024 16:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 113453 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.0  | 28.9  | 86.8   |
| 150      | 159.2 | 0.0   | 354.8  |

