

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122822\  
 Data File : VD075069.D  
 Acq On : 28 Dec 2022 16:47  
 Operator : KP/SY  
 Sample : N6218-03  
 Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHRT-26223

Quant Time: Dec 29 03:52:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 23 05:54:19 2022  
 Response via : Initial Calibration

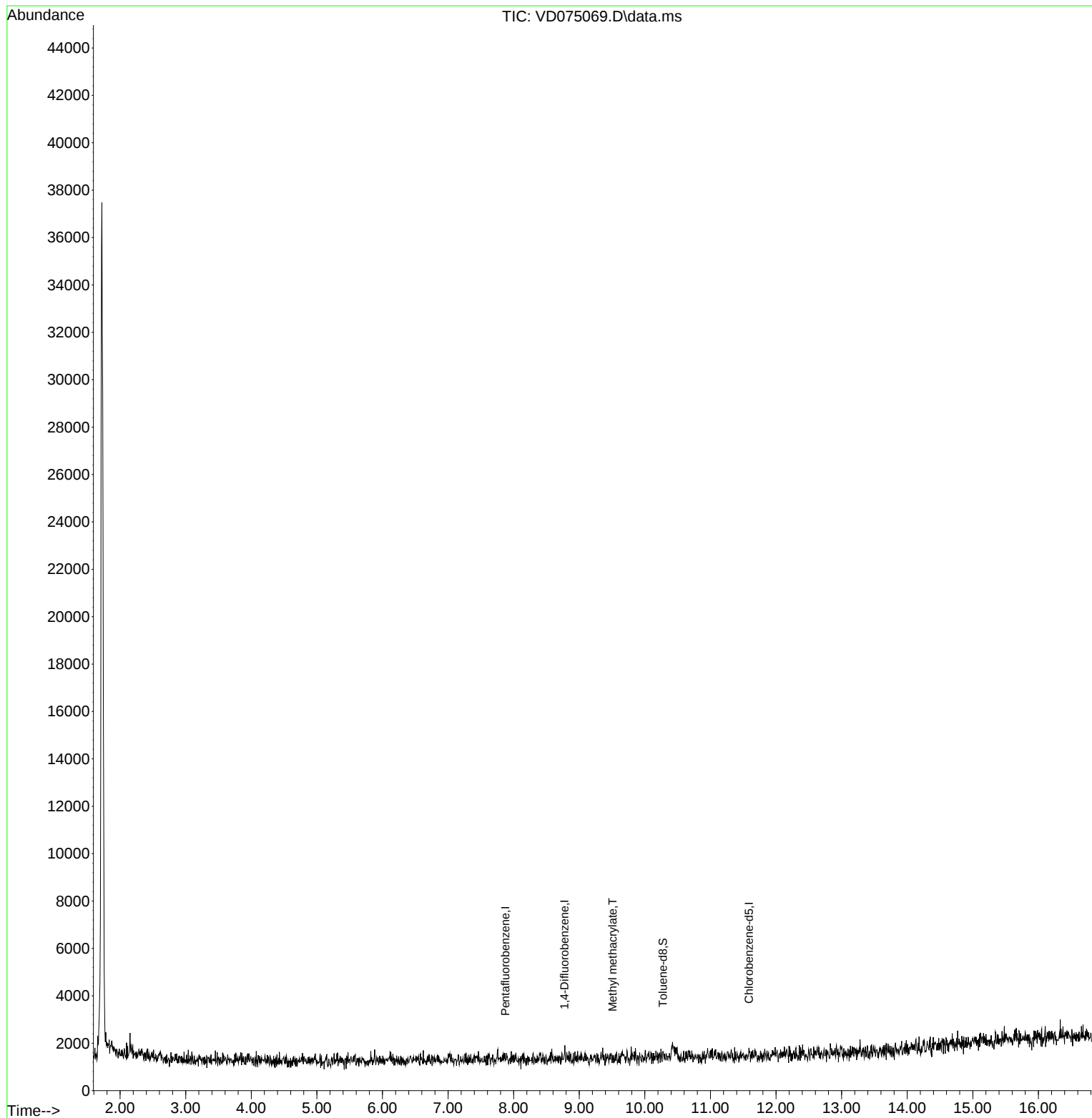
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 74       | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 215      | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.587 | 117   | 59       | 50.000   | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 0.000  | 152   | 0        | 0.000    | ug/l  | -13.52   |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 0.000  | 65    | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 0.000%#  |
| 35) Dibromofluoromethane    | 0.000  | 113   | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 0.000%#  |
| 50) Toluene-d8              | 10.275 | 98    | 294      | 57.513   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 115.020% |
| 62) 4-Bromofluorobenzene    | 0.000  | 95    | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 0.000%#  |
| Target Compounds            |        |       |          |          |       |          |
| 48) Methyl methacrylate     | 9.510  | 41    | 54       | 71.588   | ug/l  | # 7      |
| -----                       |        |       |          |          |       |          |

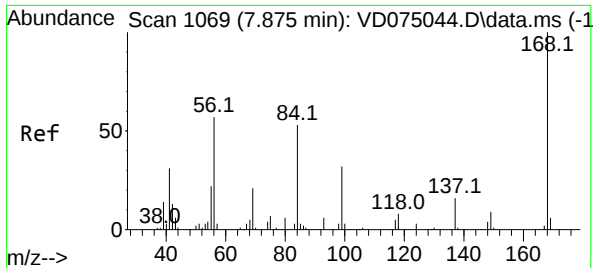
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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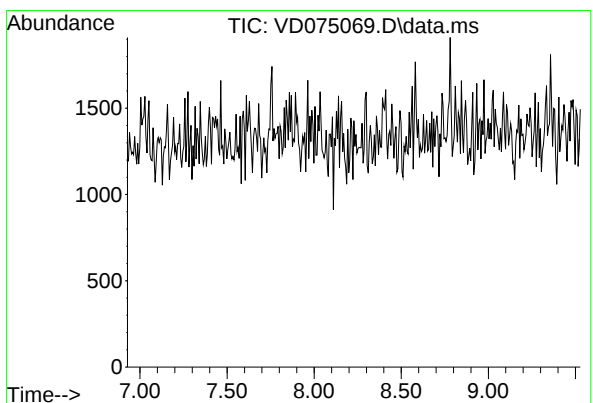
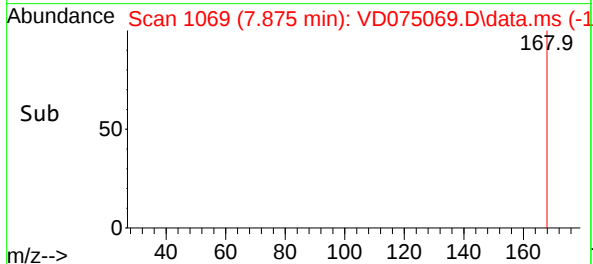
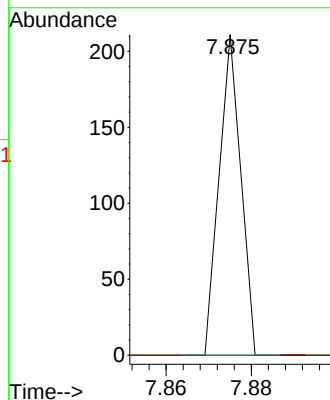
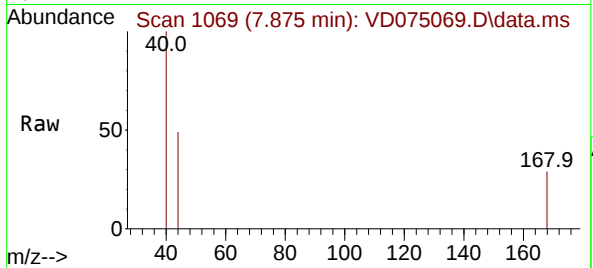




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VD075069.D  
Acq: 28 Dec 2022 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-26223

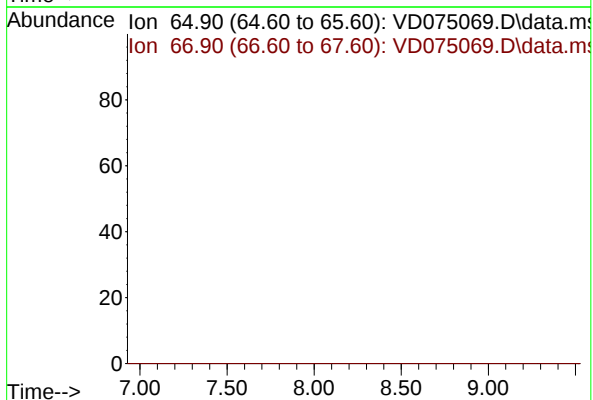
Tgt Ion:168 Resp: 74  
Ion Ratio Lower Upper  
168 100  
99 0.0 40.3 60.5#

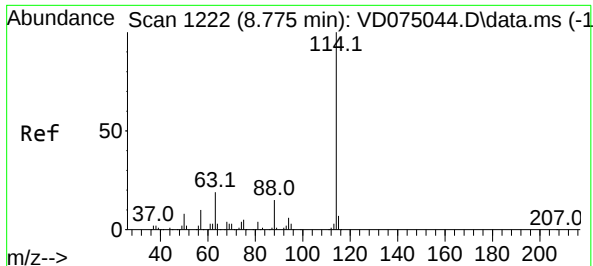


#33  
1,2-Dichloroethane-d4  
Concen: 0.000 ug/l  
Expected RT: 8.23 min

Lab File: VD075069.D  
Acq: 28 Dec 2022 16:47

Tgt Ion: 65  
Sig Exp Ratio  
65 100  
67 55.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075069.D

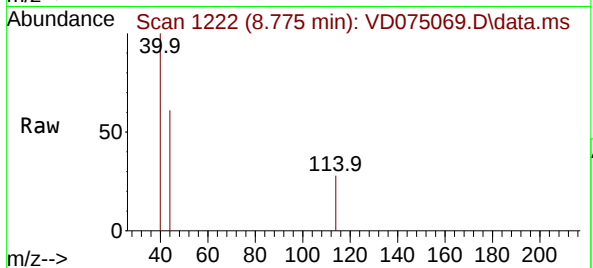
Acq: 28 Dec 2022 16:47

Instrument :

MSVOA\_D

ClientSampleId :

CHRT-26223



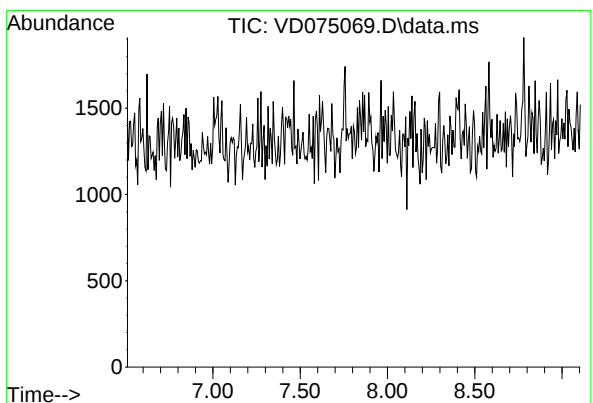
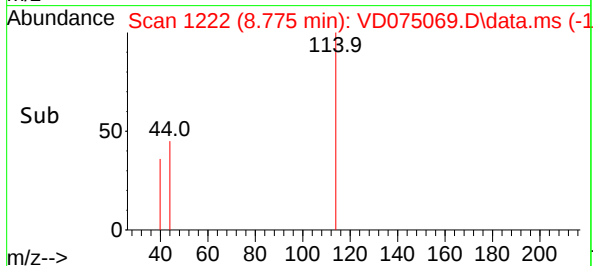
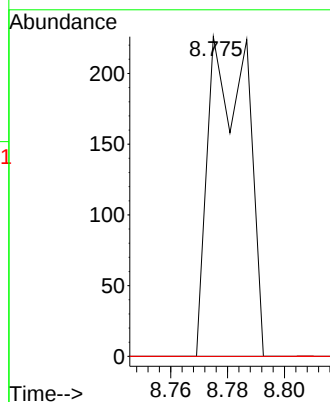
Tgt Ion:114 Resp: 215

Ion Ratio Lower Upper

114 100

63 0.0 0.0 33.8

88 0.0 0.0 27.8



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.80 min

Lab File: VD075069.D

Acq: 28 Dec 2022 16:47

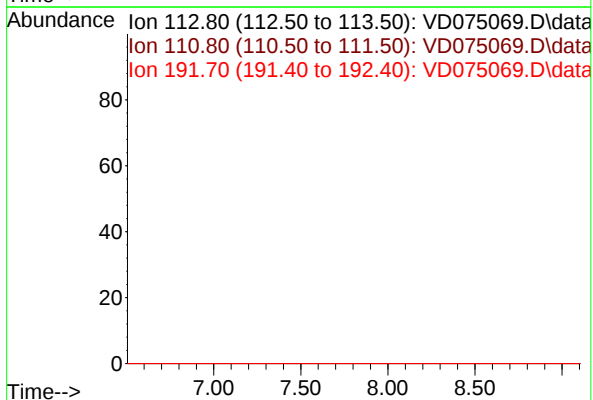
Tgt Ion: 113

Sig Exp Ratio

113 100

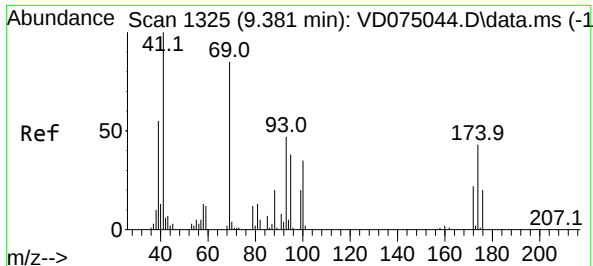
111 102.6

192 18.9



Ion 110.80 (110.50 to 111.50): VD075069.D\data.ms

Ion 191.70 (191.40 to 192.40): VD075069.D\data.ms



#48

Methyl methacrylate

Concen: 71.588 ug/l

RT: 9.510 min Scan# 11

Delta R.T. 0.129 min

Lab File: VD075069.D

Acq: 28 Dec 2022 16:47

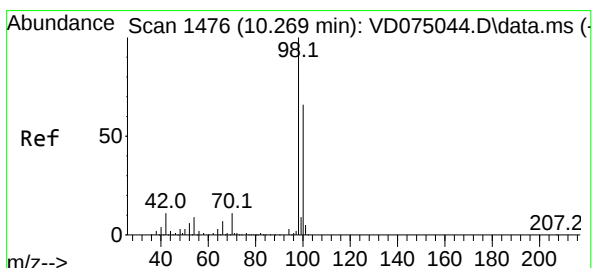
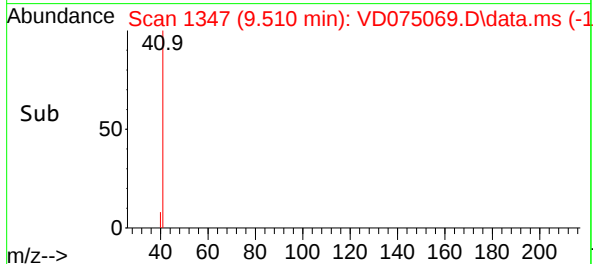
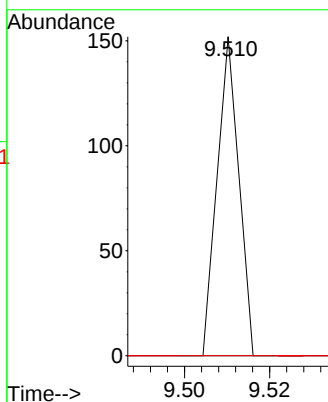
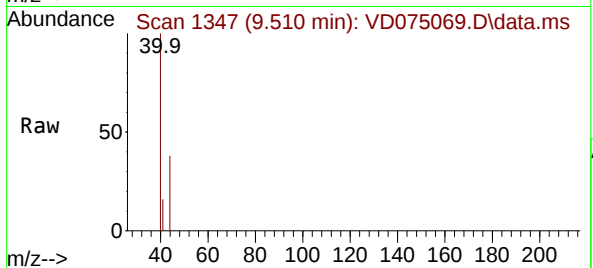
Instrument :

MSVOA\_D

ClientSampleId :

CHRT-26223

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 54     |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 0.0   | 84.8  | 127.2# |
| 39       | 0.0   | 43.6  | 65.4#  |



#50

Toluene-d8

Concen: 57.513 ug/l

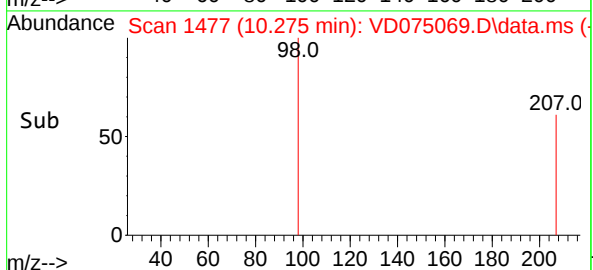
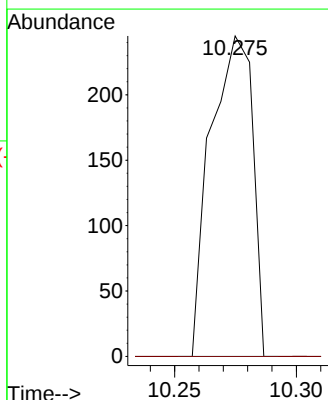
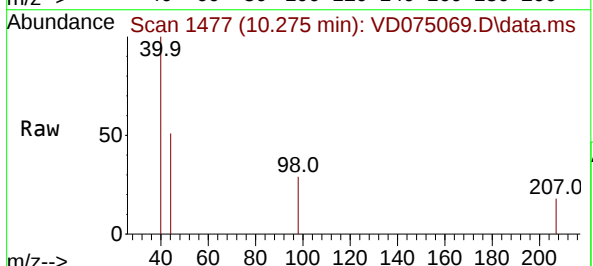
RT: 10.275 min Scan# 1477

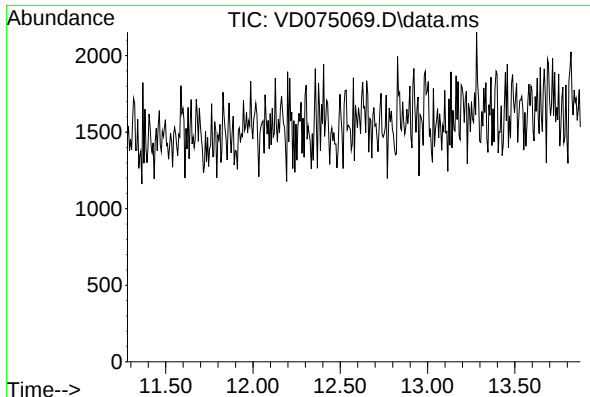
Delta R.T. 0.006 min

Lab File: VD075069.D

Acq: 28 Dec 2022 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 294   |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 0.0   | 52.2  | 78.2# |



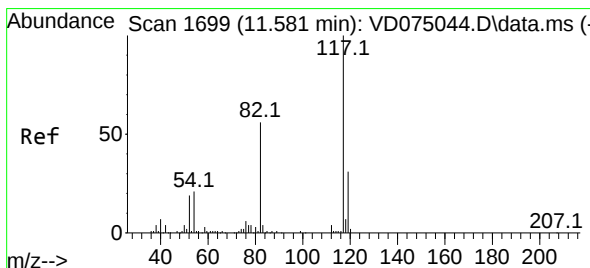
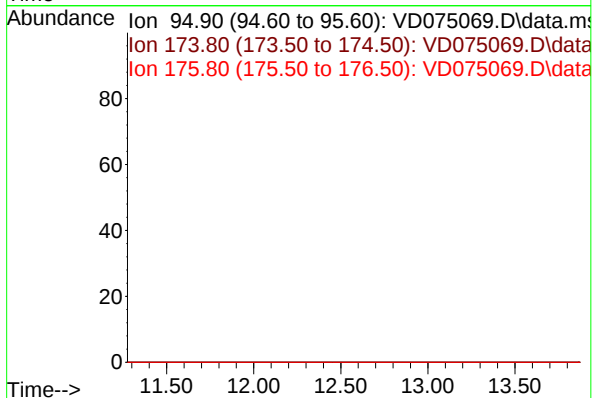


#62  
 4-Bromofluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 12.57 min  
 Lab File: VD075069.D  
 Acq: 28 Dec 2022 16:47

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHRT-26223

Tgt Ion: 95  

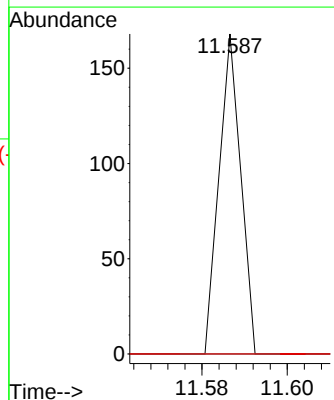
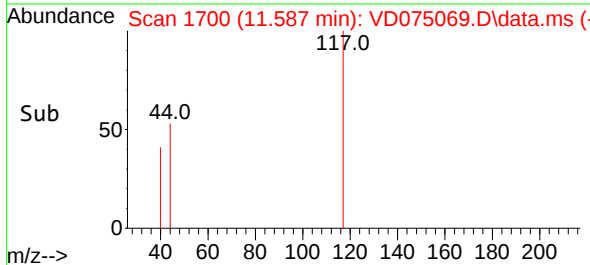
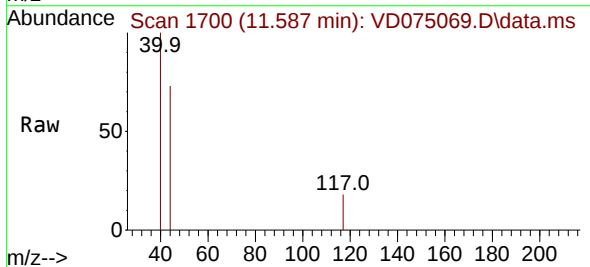
| Sig | Exp Ratio |
|-----|-----------|
| 95  | 100       |
| 174 | 85.6      |
| 176 | 82.5      |

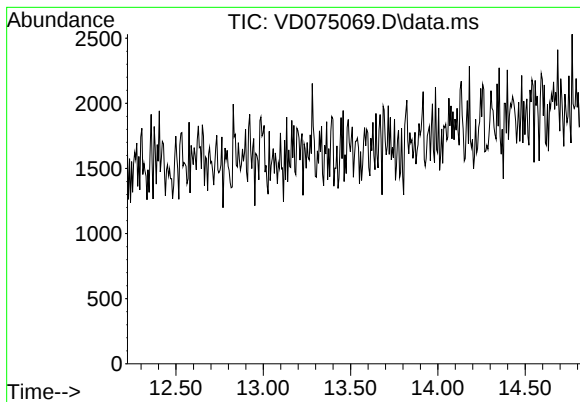


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.587 min Scan# 1700  
 Delta R.T. 0.006 min  
 Lab File: VD075069.D  
 Acq: 28 Dec 2022 16:47

Tgt Ion: 117 Resp: 59  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 0.0   | 40.9  | 61.3# |
| 119 | 0.0   | 25.5  | 38.3# |





#72  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ug/l  
Expected RT: 13.52 min  
  
Lab File: VD075069.D  
Acq: 28 Dec 2022 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-26223

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 57.7  
150 177.1

