

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060222\  
 Data File : VD073468.D  
 Acq On : 02 Jun 2022 13:27  
 Operator : VA/SY  
 Sample : N3108-02RE  
 Misc : 4.15G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 NP-2RE

Quant Time: Jun 03 01:29:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

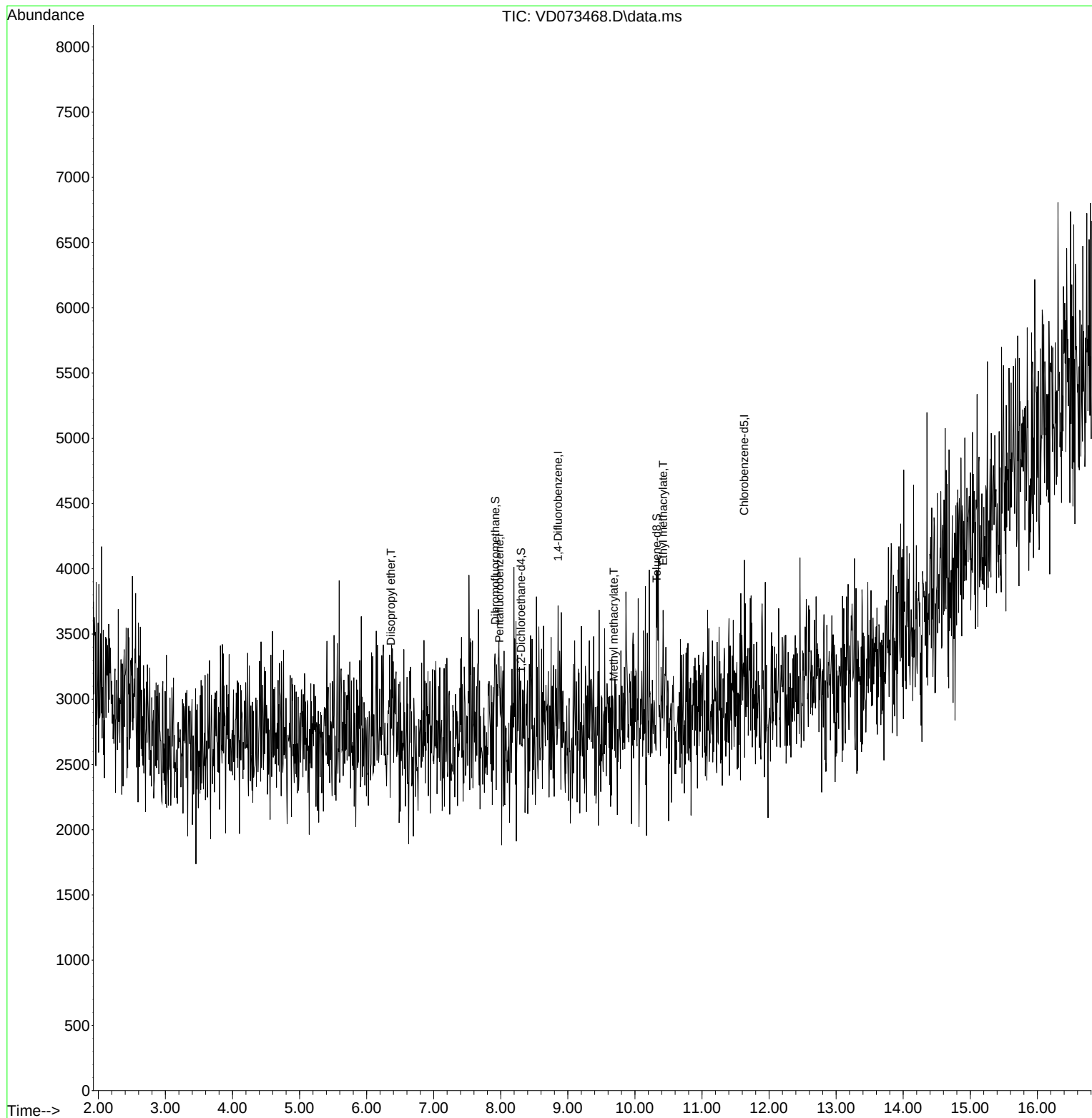
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 652      | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.855  | 114   | 836      | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.632 | 117   | 625      | 50.000   | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 0.000  | 152   | 0        | 0.000    | ug/l  | -13.56   |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.302  | 65    | 119      | 16.515   | ug/l  | -0.02    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 33.040%# |
| 35) Dibromofluoromethane    | 7.920  | 113   | 79       | 14.321   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 28.640%# |
| 50) Toluene-d8              | 10.326 | 98    | 917      | 45.094   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 90.180%  |
| 62) 4-Bromofluorobenzene    | 0.000  | 95    | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 0.000%#  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 22) Diisopropyl ether       | 6.361  | 45    | 67       | 3.022    | ug/l  | # 35     |
| 48) Methyl methacrylate     | 9.685  | 41    | 53       | 17.391   | ug/l  | # 19     |
| 56) Ethyl methacrylate      | 10.420 | 69    | 55       | 11.061   | ug/l  | # 18     |
| -----                       |        |       |          |          |       |          |

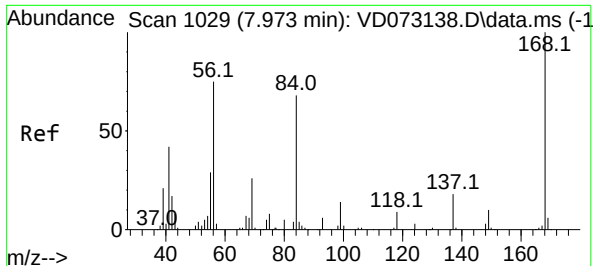
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
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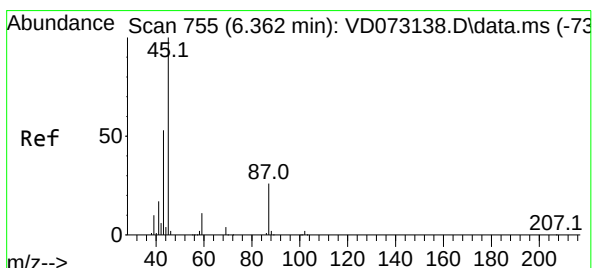
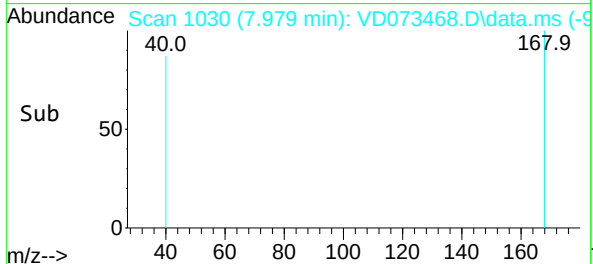
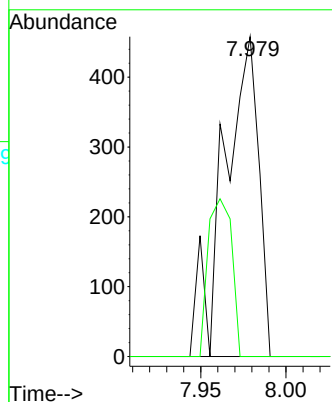
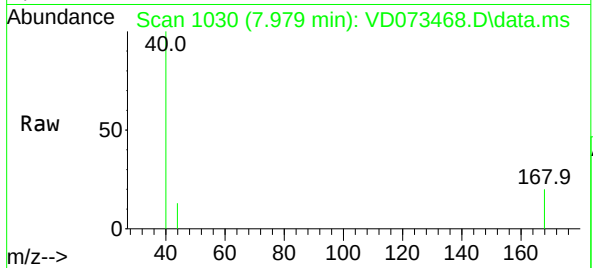




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1029  
Delta R.T. 0.006 min  
Lab File: VD073468.D  
Acq: 02 Jun 2022 13:27

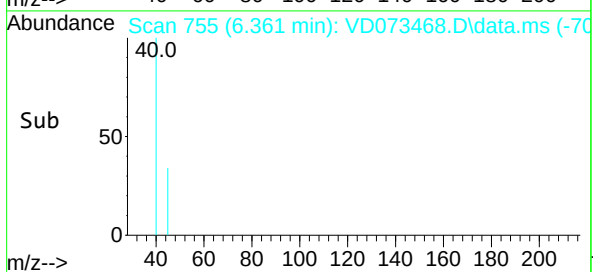
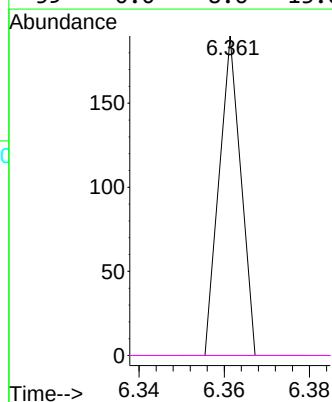
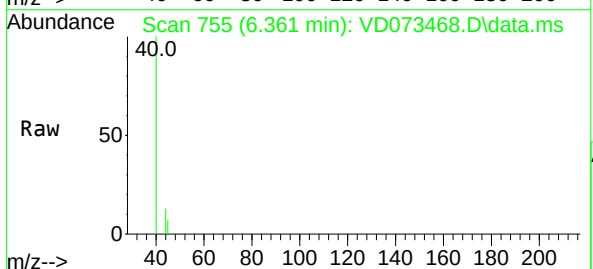
Instrument :  
MSVOA\_D  
ClientSampleId :  
NP-2RE

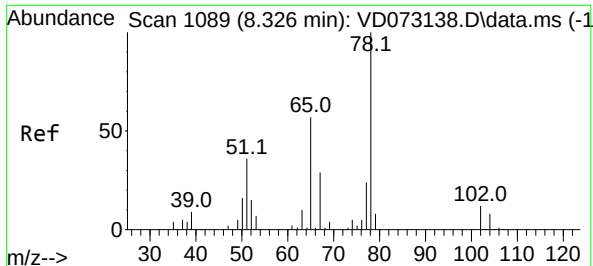
Tgt Ion:168 Resp: 652  
Ion Ratio Lower Upper  
168 100  
99 0.0 49.8 74.6#



#22  
Diisopropyl ether  
Concen: 3.022 ug/l  
RT: 6.361 min Scan# 755  
Delta R.T. -0.001 min  
Lab File: VD073468.D  
Acq: 02 Jun 2022 13:27

Tgt Ion: 45 Resp: 67  
Ion Ratio Lower Upper  
45 100  
43 0.0 46.6 70.0#  
87 0.0 18.4 27.6#  
59 0.0 8.6 13.0#





#33

1,2-Dichloroethane-d4

Concen: 16.515 ug/l

RT: 8.302 min Scan# 1085

Delta R.T. -0.024 min

Lab File: VD073468.D

Acq: 02 Jun 2022 13:27

Instrument :

MSVOA\_D

ClientSampleId :

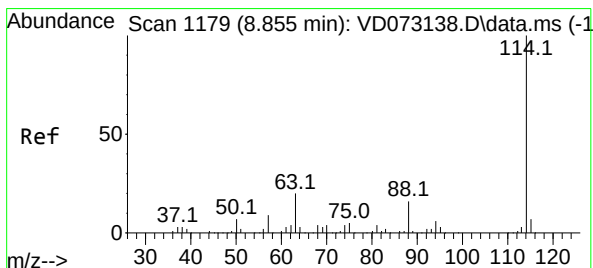
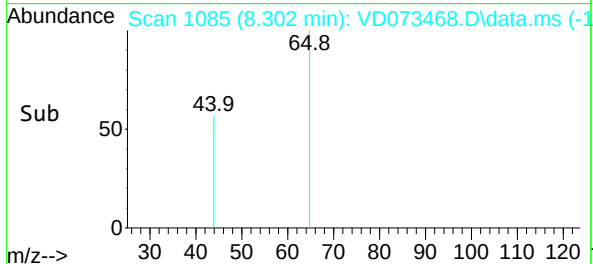
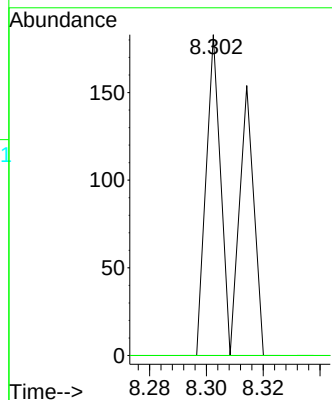
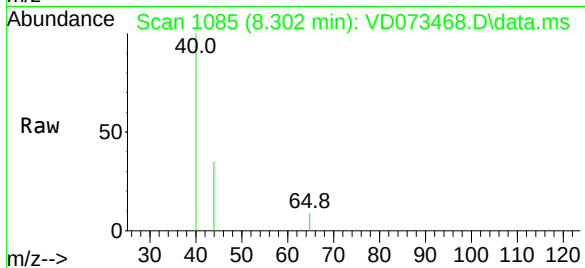
NP-2RE

Tgt Ion: 65 Resp: 119

Ion Ratio Lower Upper

65 100

67 0.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073468.D

Acq: 02 Jun 2022 13:27

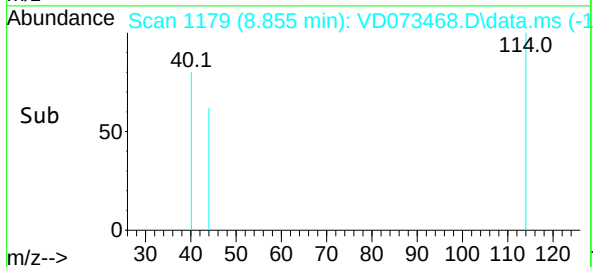
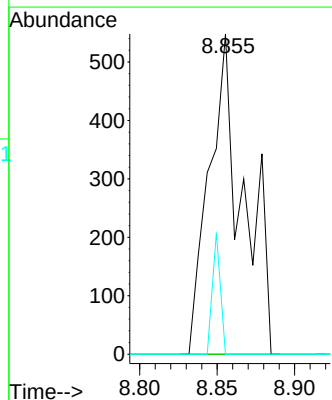
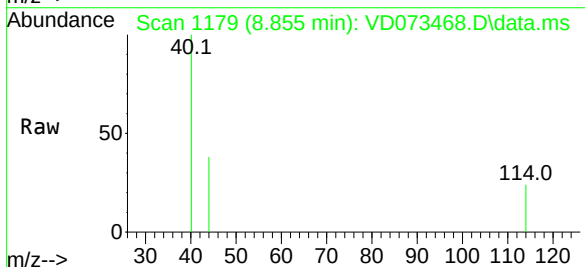
Tgt Ion: 114 Resp: 836

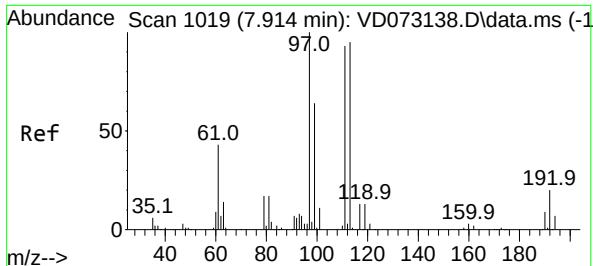
Ion Ratio Lower Upper

114 100

63 0.0 0.0 46.6

88 0.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 14.321 ug/l

RT: 7.920 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD073468.D

Acq: 02 Jun 2022 13:27

Instrument :

MSVOA\_D

ClientSampleId :

NP-2RE

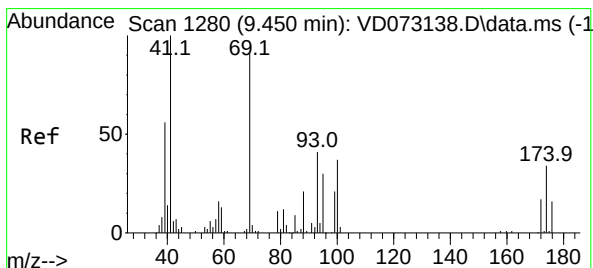
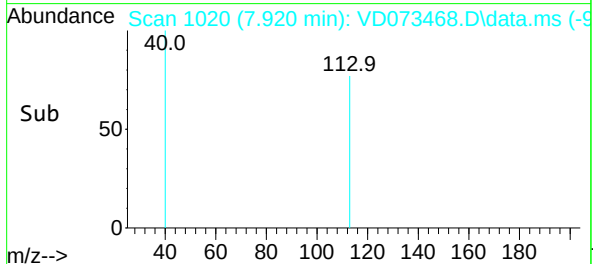
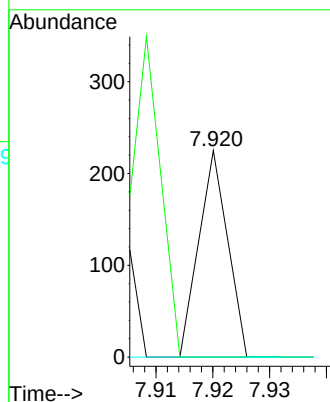
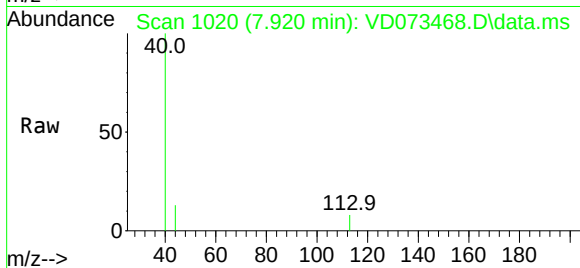
Tgt Ion:113 Resp: 79

Ion Ratio Lower Upper

113 100

111 0.0 83.8 125.6#

192 0.0 14.6 21.8#



#48

Methyl methacrylate

Concen: 17.391 ug/l

RT: 9.685 min Scan# 1320

Delta R.T. 0.235 min

Lab File: VD073468.D

Acq: 02 Jun 2022 13:27

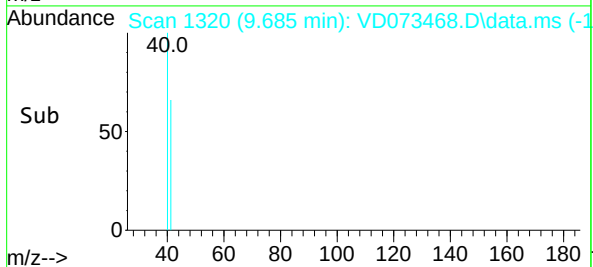
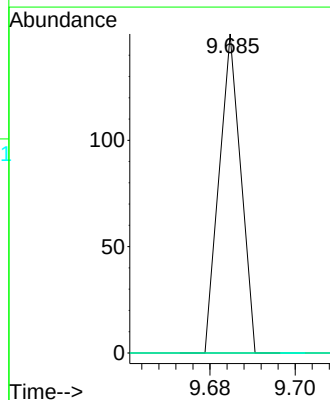
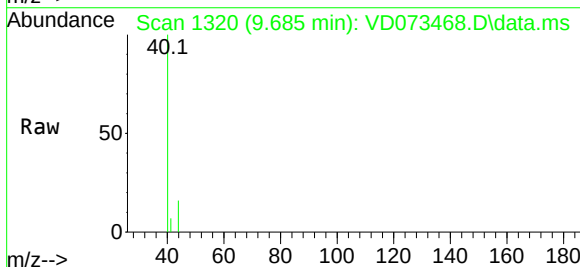
Tgt Ion: 41 Resp: 53

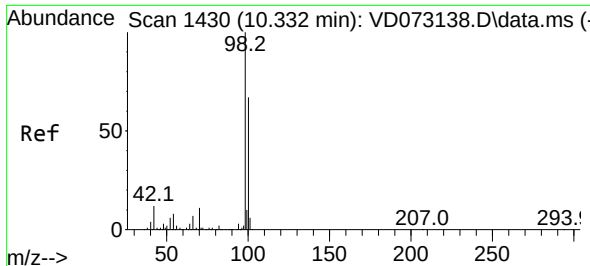
Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#

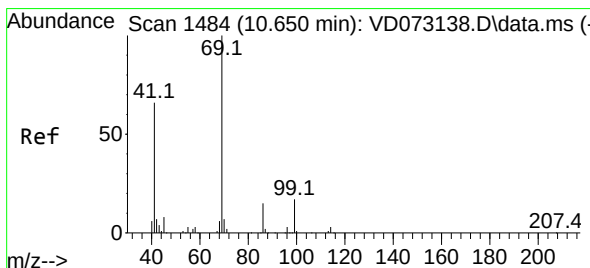
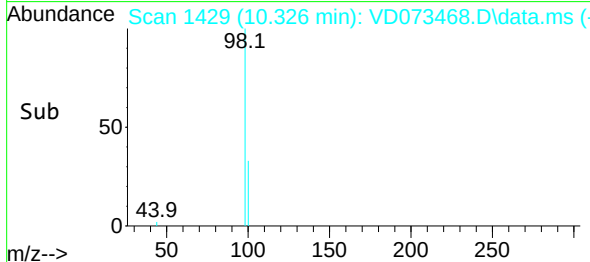
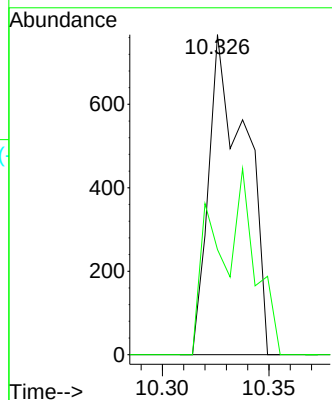
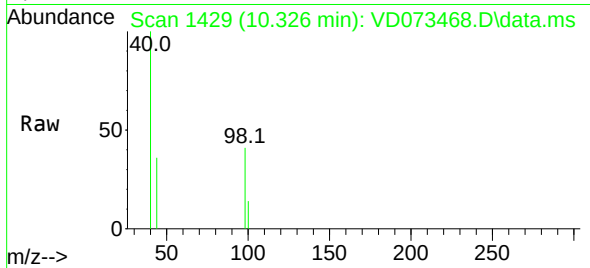




#50  
Toluene-d8  
Concen: 45.094 ug/l  
RT: 10.326 min Scan# 1429  
Delta R.T. -0.006 min  
Lab File: VD073468.D  
Acq: 02 Jun 2022 13:27

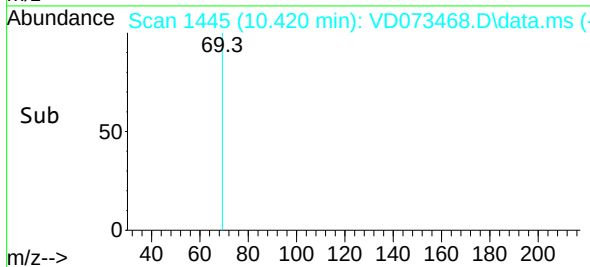
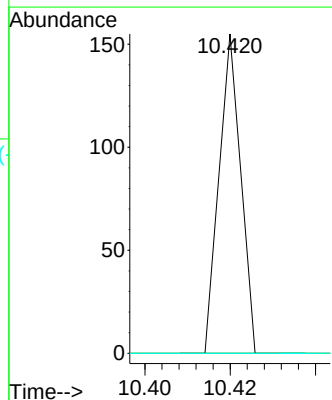
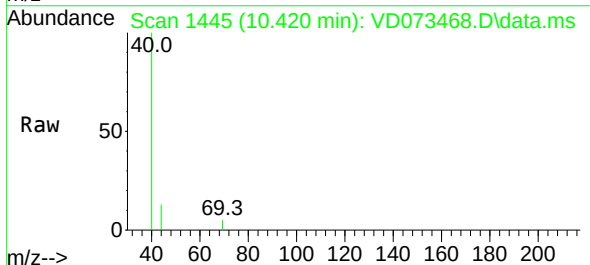
Instrument :  
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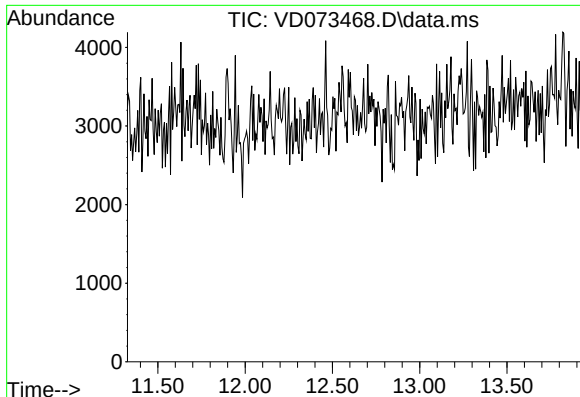
Tgt Ion: 98 Resp: 917  
Ion Ratio Lower Upper  
98 100  
100 30.8 52.4 78.6#



#56  
Ethyl methacrylate  
Concen: 11.061 ug/l  
RT: 10.420 min Scan# 1445  
Delta R.T. -0.230 min  
Lab File: VD073468.D  
Acq: 02 Jun 2022 13:27

Tgt Ion: 69 Resp: 55  
Ion Ratio Lower Upper  
69 100  
41 0.0 63.0 94.6#  
39 0.0 33.8 50.8#

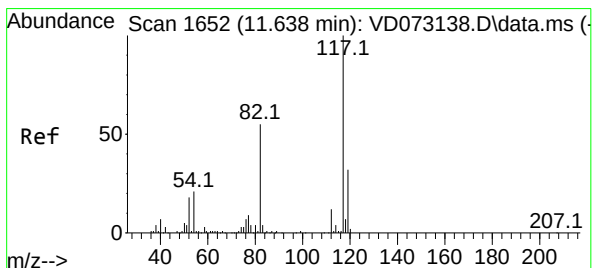
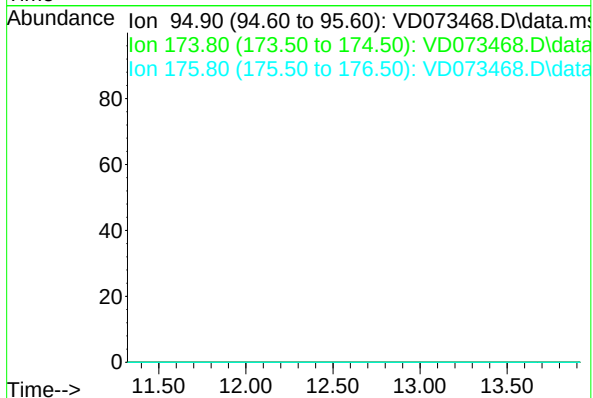




#62  
 4-Bromofluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 12.62 min  
 Lab File: VD073468.D  
 Acq: 02 Jun 2022 13:27

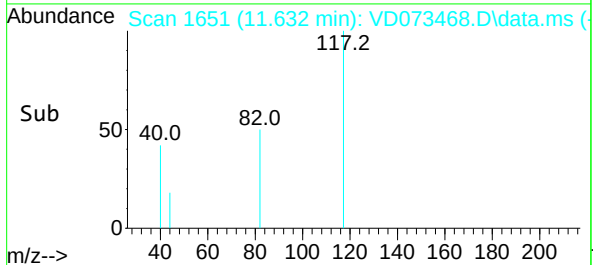
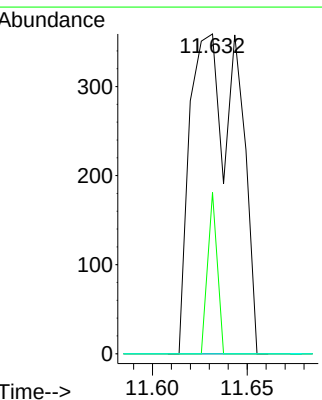
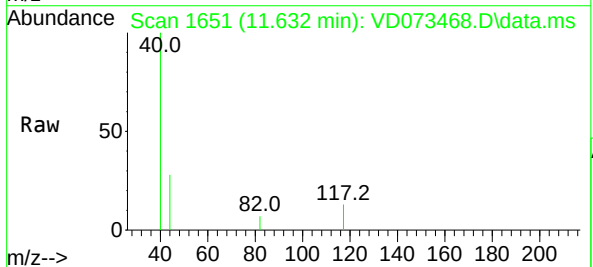
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 NP-2RE

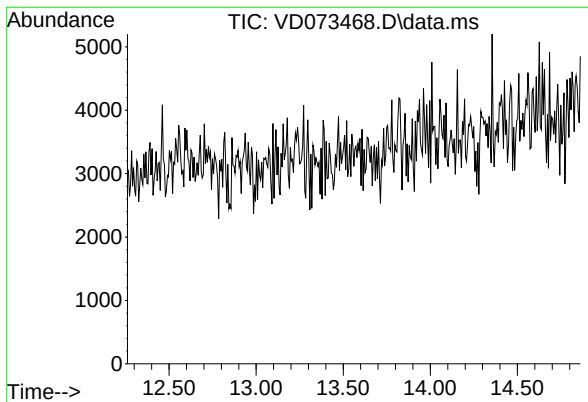
Tgt Ion: 95  
 Sig Exp Ratio  
 95 100  
 174 76.4  
 176 72.7



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.632 min Scan# 1651  
 Delta R.T. -0.006 min  
 Lab File: VD073468.D  
 Acq: 02 Jun 2022 13:27

Tgt Ion: 117 Resp: 625  
 Ion Ratio Lower Upper  
 117 100  
 82 50.4 45.3 67.9  
 119 0.0 26.6 40.0#





#72  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ug/l  
Expected RT: 13.56 min  
Lab File: VD073468.D  
Acq: 02 Jun 2022 13:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
NP-2RE

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 62.5  
150 174.3

