

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121422\  
 Data File : VN075805.D  
 Acq On : 15 Dec 2022 07:15  
 Operator : JC\MD  
 Sample : N6002-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 6N-EFF-1222

Quant Time: Dec 15 07:46:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

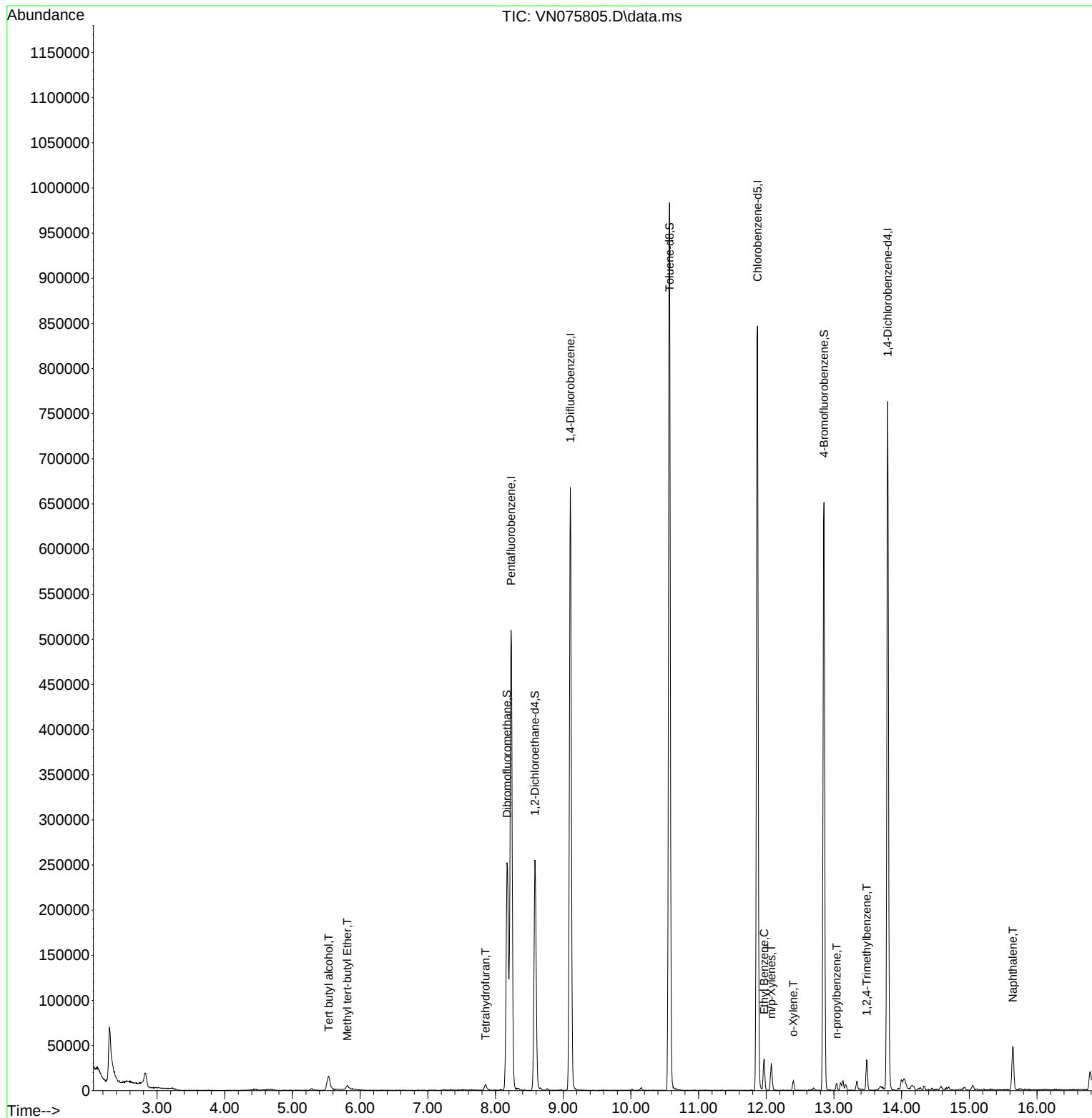
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 402875   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 627599   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 531573   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 217049   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 203679   | 46.471   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 92.940%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 181939   | 46.812   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 93.620%  |
| 50) Toluene-d8              | 10.571 | 98    | 706666   | 48.629   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 97.260%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 220541   | 45.822   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 91.640%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.536  | 59    | 29172    | 47.038   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether | 5.812  | 73    | 6361     | 0.541    | ug/l   | 98       |
| 29) Tetrahydrofuran         | 7.853  | 42    | 4572     | 3.449    | ug/l   | 96       |
| 67) Ethyl Benzene           | 11.971 | 91    | 26517    | 1.440    | ug/l   | 98       |
| 68) m/p-Xylenes             | 12.076 | 106   | 9738     | 1.336    | ug/l   | 88       |
| 69) o-Xylene                | 12.400 | 106   | 3312     | 0.459    | ug/l   | 99       |
| 78) n-propylbenzene         | 13.041 | 91    | 6973     | 0.403    | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.482 | 105   | 20839    | 1.600    | ug/l   | 96       |
| 95) Naphthalene             | 15.641 | 128   | 49653    | 6.198    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

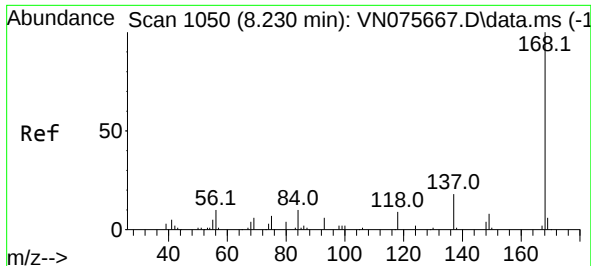
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

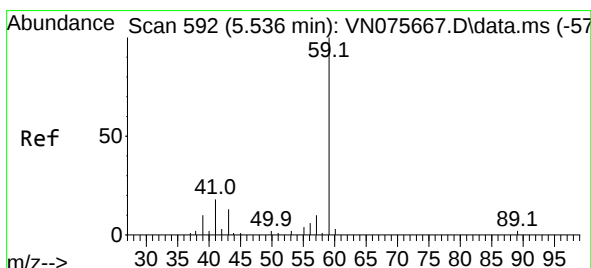
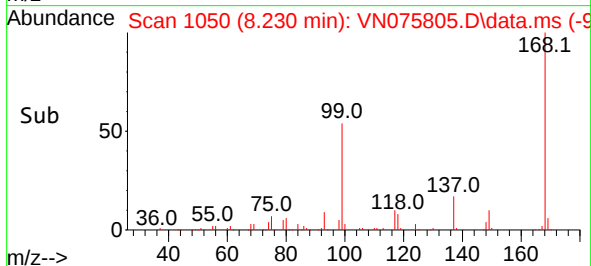
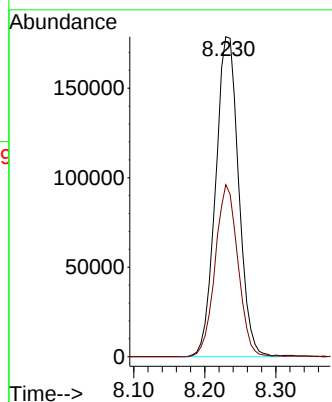
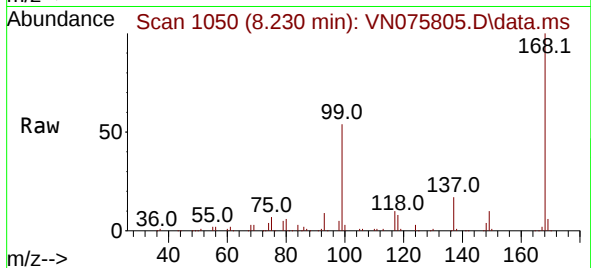




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

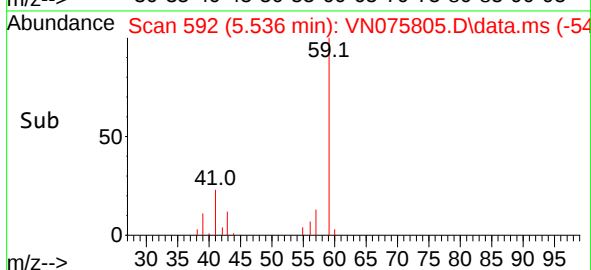
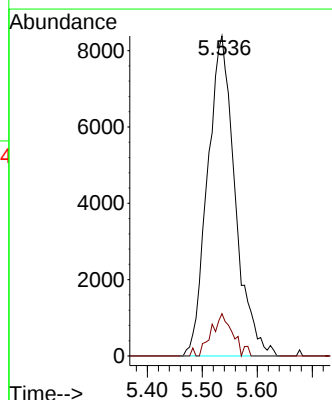
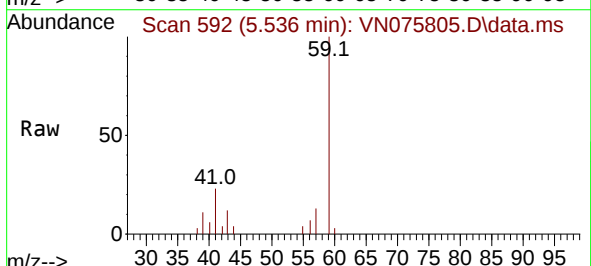
Instrument :  
MSVOA\_N  
ClientSampleId :  
6N-EFF-1222

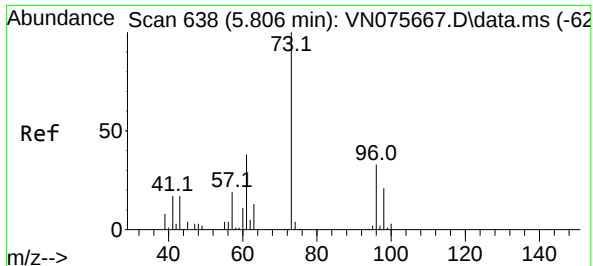
Tgt Ion:168 Resp: 402875  
Ion Ratio Lower Upper  
168 100  
99 53.7 44.2 66.4



#11  
Tert butyl alcohol  
Concen: 47.038 ug/l  
RT: 5.536 min Scan# 592  
Delta R.T. 0.000 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

Tgt Ion: 59 Resp: 29172  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.4





#19

Methyl tert-butyl Ether

Concen: 0.541 ug/l

RT: 5.812 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN075805.D

Acq: 15 Dec 2022 07:15

Instrument :

MSVOA\_N

ClientSampleId :

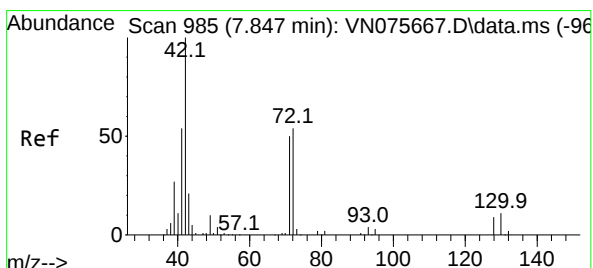
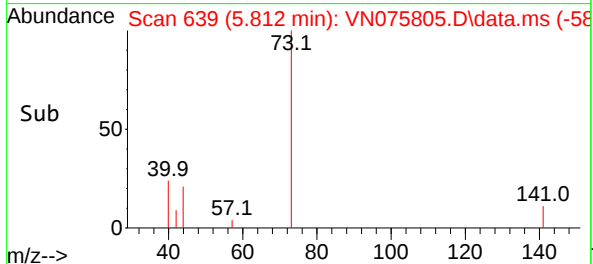
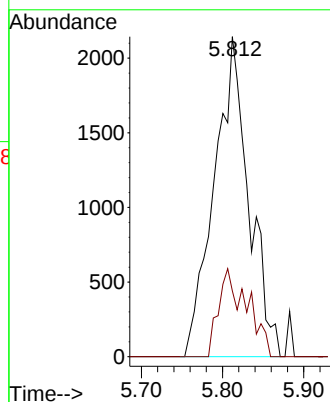
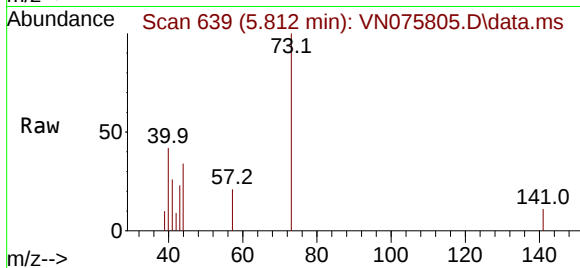
6N-EFF-1222

Tgt Ion: 73 Resp: 6361

Ion Ratio Lower Upper

73 100

57 20.6 17.1 25.7



#29

Tetrahydrofuran

Concen: 3.449 ug/l

RT: 7.853 min Scan# 986

Delta R.T. 0.012 min

Lab File: VN075805.D

Acq: 15 Dec 2022 07:15

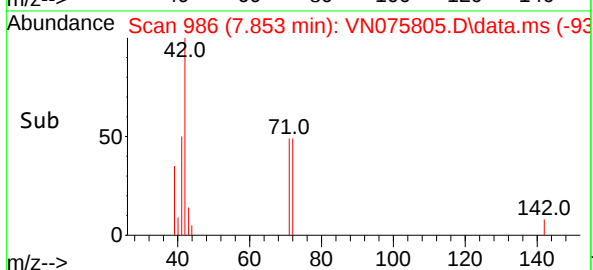
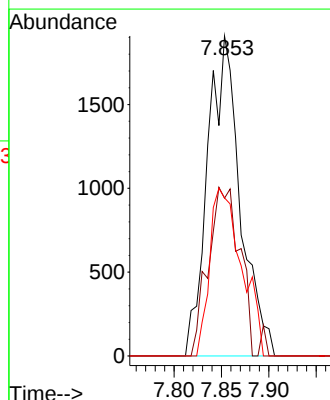
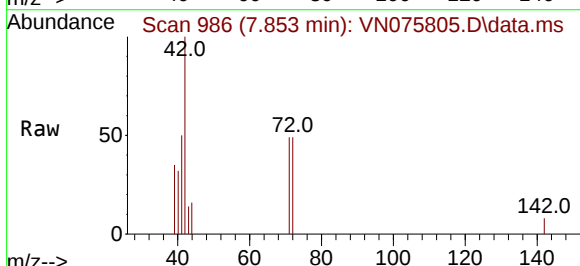
Tgt Ion: 42 Resp: 4572

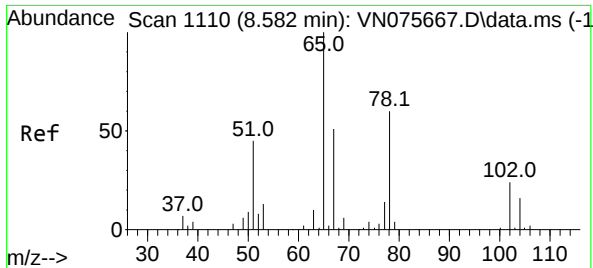
Ion Ratio Lower Upper

42 100

72 50.8 44.5 66.7

71 51.0 41.0 61.6





#33

1,2-Dichloroethane-d4

Concen: 46.471 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075805.D

Acq: 15 Dec 2022 07:15

Instrument :

MSVOA\_N

ClientSampleId :

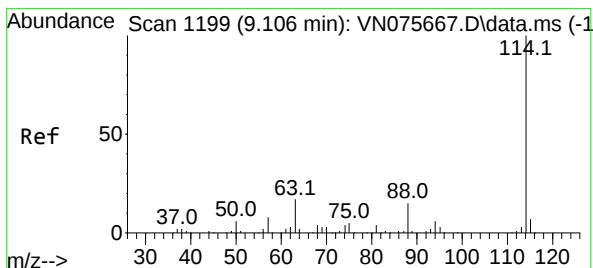
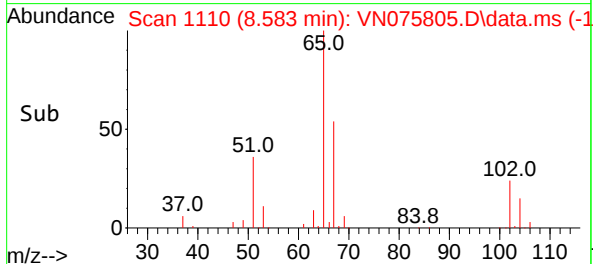
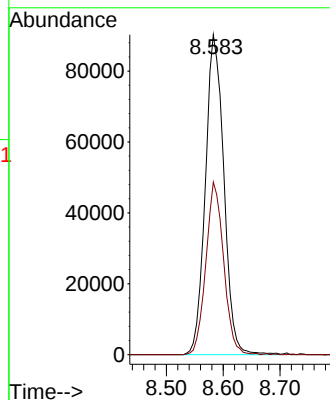
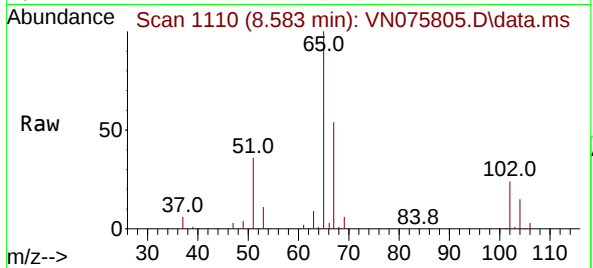
6N-EFF-1222

Tgt Ion: 65 Resp: 203679

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075805.D

Acq: 15 Dec 2022 07:15

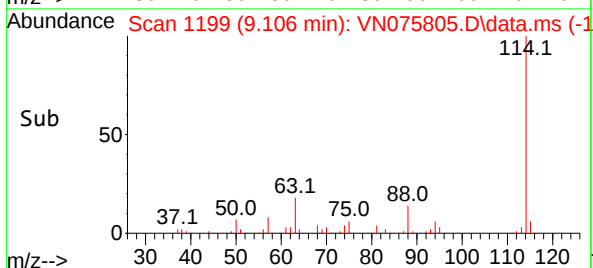
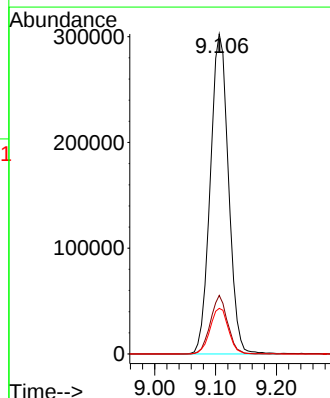
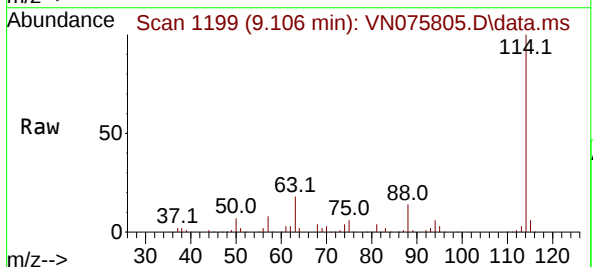
Tgt Ion: 114 Resp: 627599

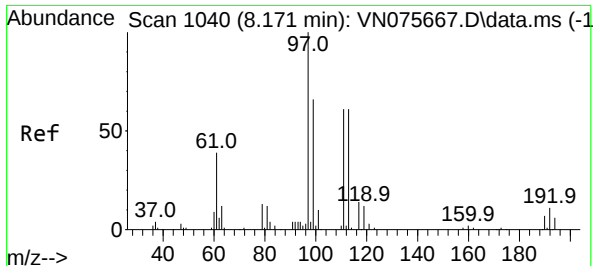
Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.4

88 14.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.812 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075805.D

Acq: 15 Dec 2022 07:15

Instrument :

MSVOA\_N

ClientSampleId :

6N-EFF-1222

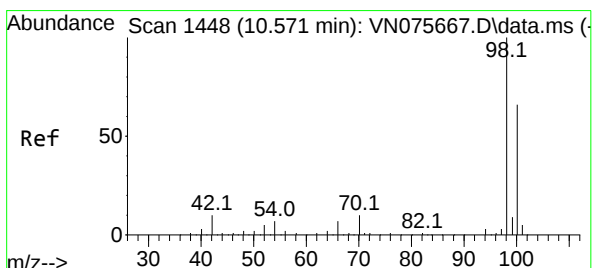
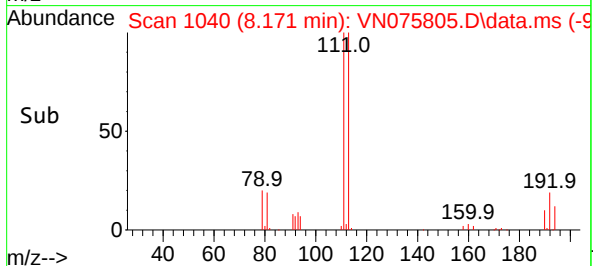
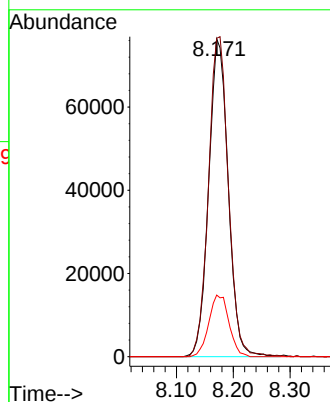
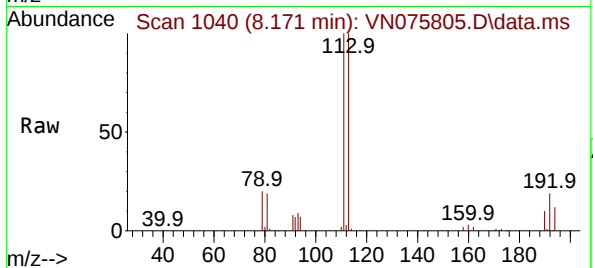
Tgt Ion:113 Resp: 181939

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.2

192 20.1 16.1 24.1



#50

Toluene-d8

Concen: 48.629 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075805.D

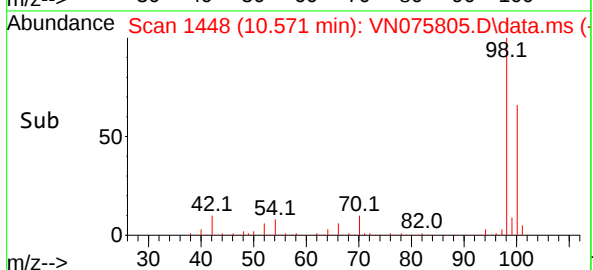
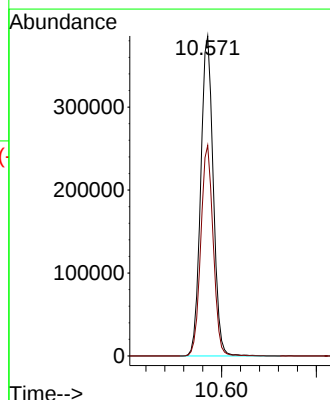
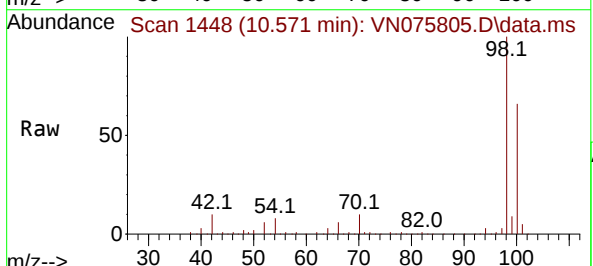
Acq: 15 Dec 2022 07:15

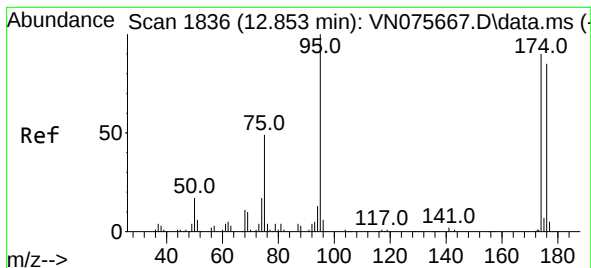
Tgt Ion: 98 Resp: 706666

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1

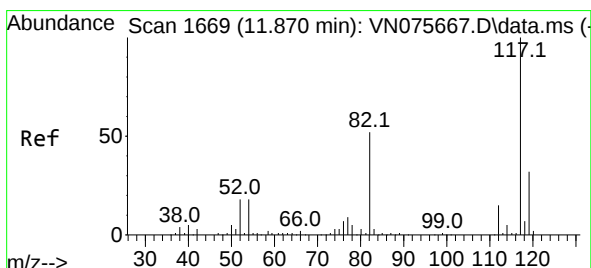
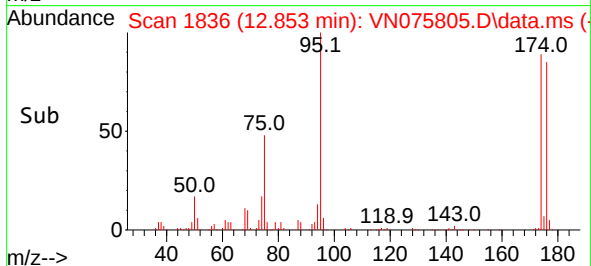
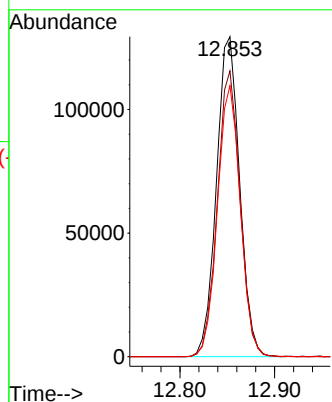
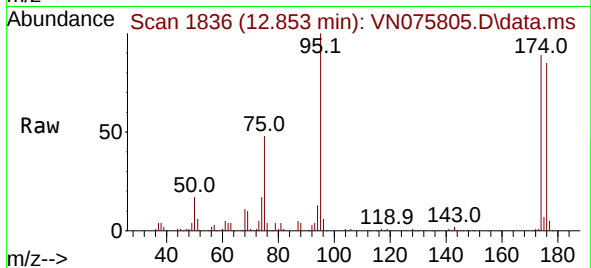




#62  
4-Bromofluorobenzene  
Concen: 45.822 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

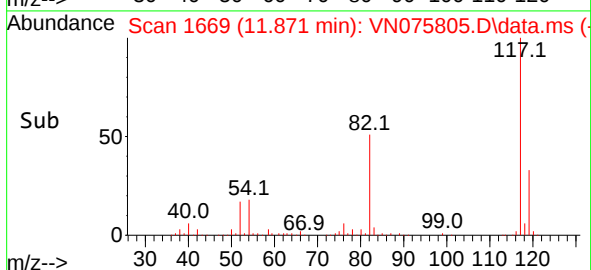
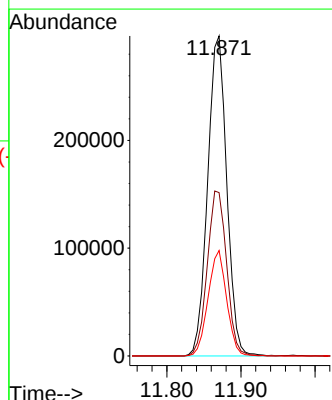
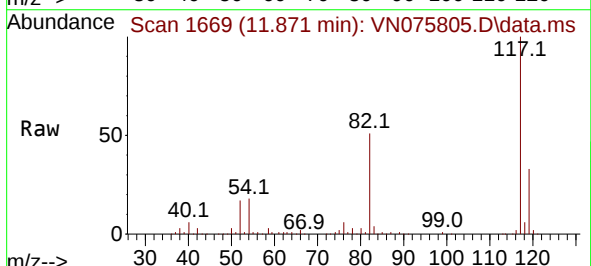
Instrument :  
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6N-EFF-1222

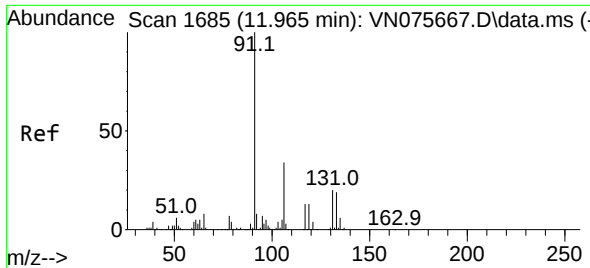
Tgt Ion: 95 Resp: 220541  
Ion Ratio Lower Upper  
95 100  
174 87.5 0.0 171.6  
176 83.4 0.0 169.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

Tgt Ion: 117 Resp: 531573  
Ion Ratio Lower Upper  
117 100  
82 51.1 41.3 61.9  
119 33.0 24.6 37.0

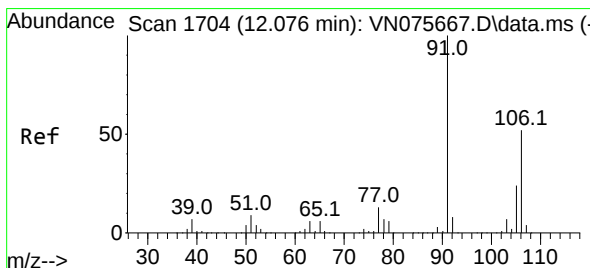
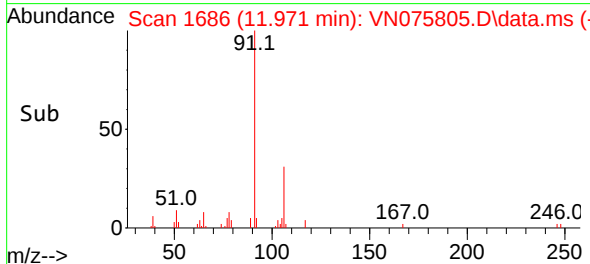
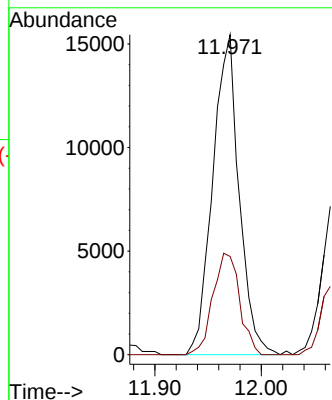
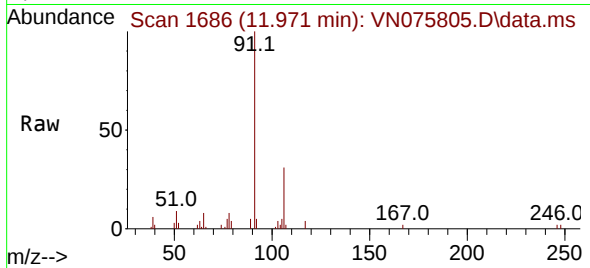




#67  
Ethyl Benzene  
Concen: 1.440 ug/l  
RT: 11.971 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

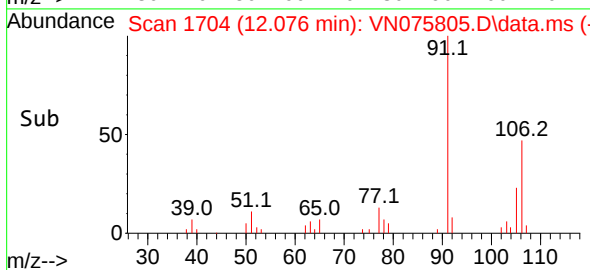
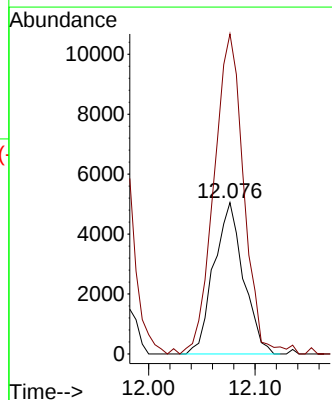
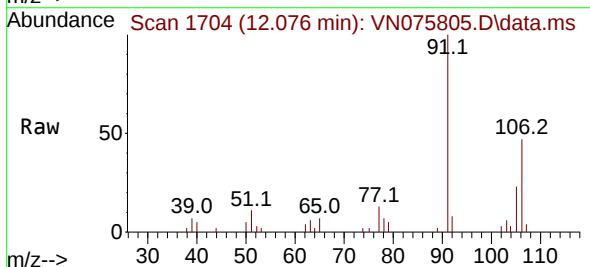
Instrument :  
MSVOA\_N  
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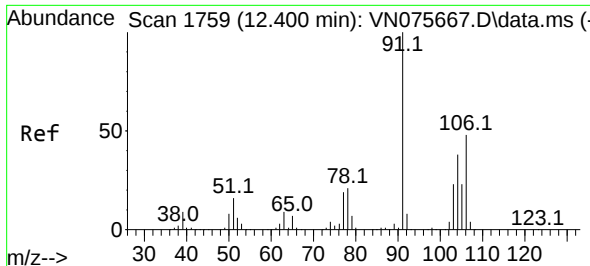
Tgt Ion: 91 Resp: 26517  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.7 38.5



#68  
m/p-Xylenes  
Concen: 1.336 ug/l  
RT: 12.076 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

Tgt Ion:106 Resp: 9738  
Ion Ratio Lower Upper  
106 100  
91 214.1 156.6 235.0

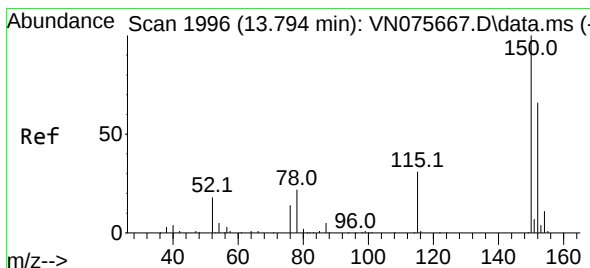
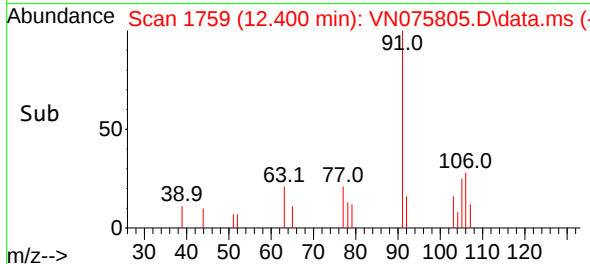
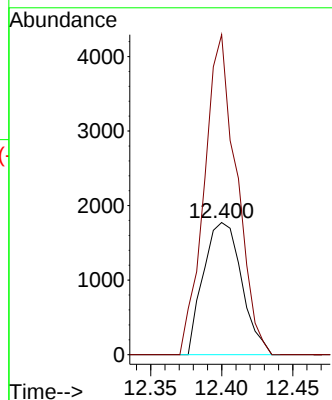
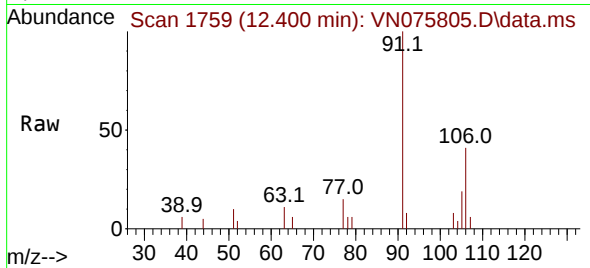




#69  
o-Xylene  
Concen: 0.459 ug/l  
RT: 12.400 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

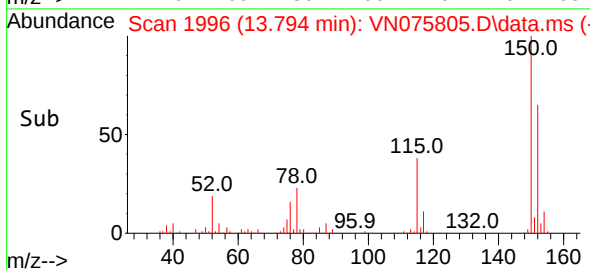
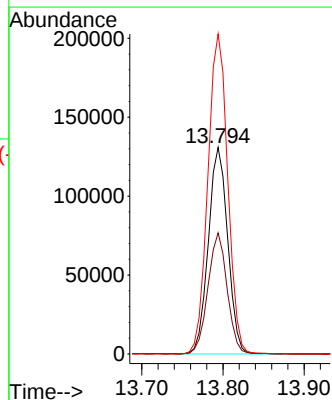
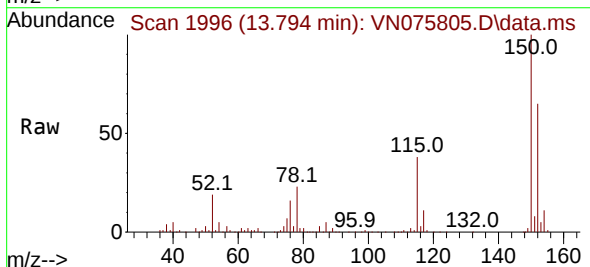
Instrument :  
MSVOA\_N  
ClientSampleId :  
6N-EFF-1222

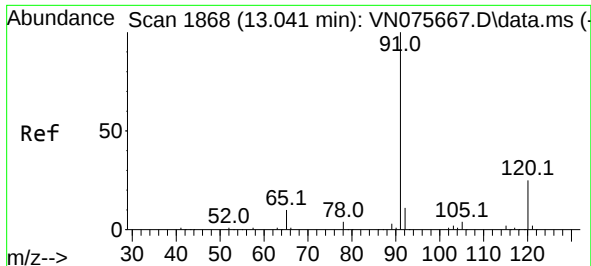
Tgt Ion:106 Resp: 3312  
Ion Ratio Lower Upper  
106 100  
91 205.6 103.8 311.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

Tgt Ion:152 Resp: 217049  
Ion Ratio Lower Upper  
152 100  
115 58.1 29.1 87.4  
150 158.6 0.0 347.0

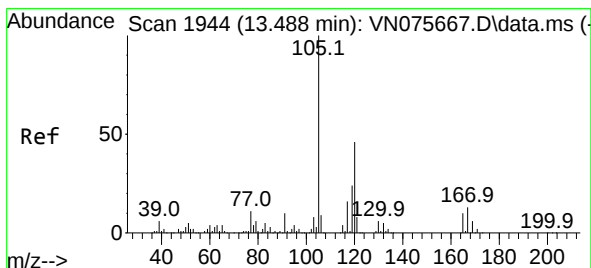
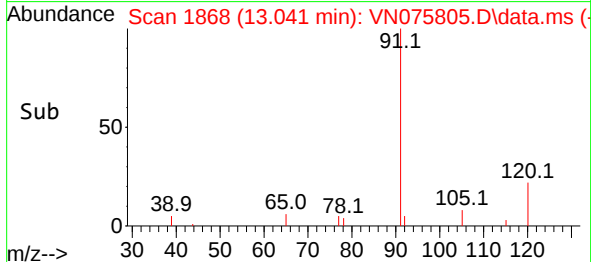
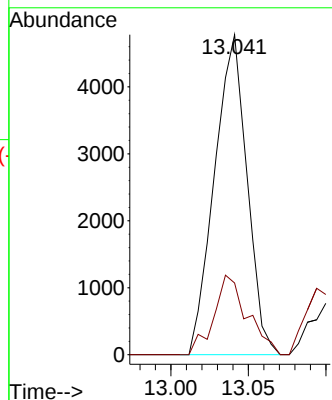
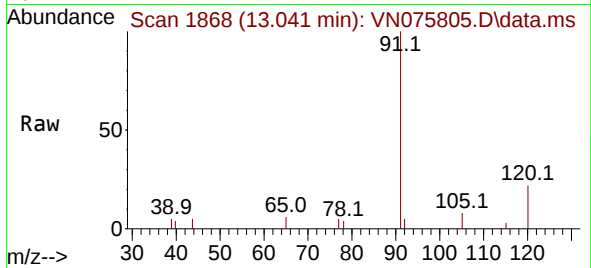




#78  
n-propylbenzene  
Concen: 0.403 ug/l  
RT: 13.041 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

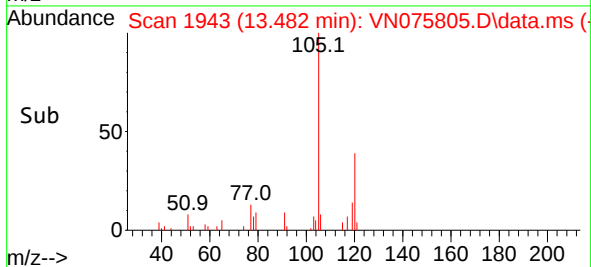
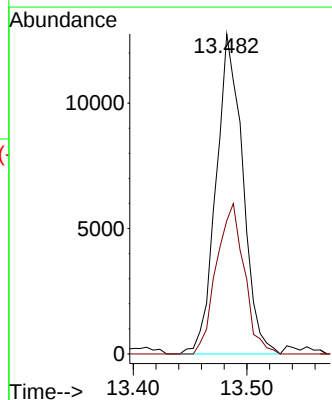
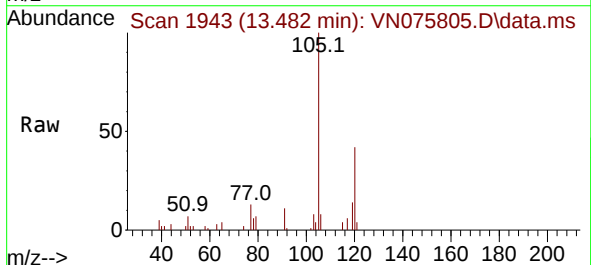
Instrument :  
MSVOA\_N  
ClientSampleId :  
6N-EFF-1222

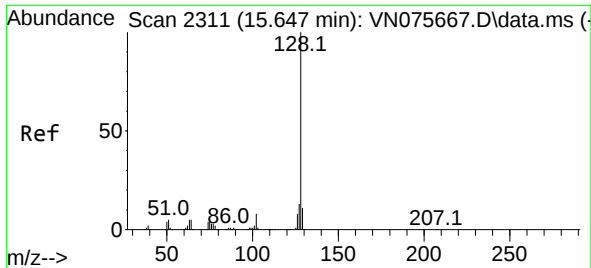
Tgt Ion: 91 Resp: 6973  
Ion Ratio Lower Upper  
91 100  
120 25.7 12.0 36.1



#84  
1,2,4-Trimethylbenzene  
Concen: 1.600 ug/l  
RT: 13.482 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

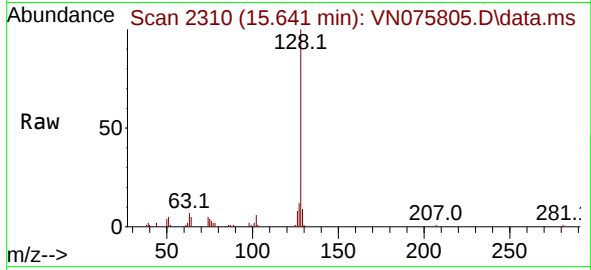
Tgt Ion: 105 Resp: 20839  
Ion Ratio Lower Upper  
105 100  
120 49.0 23.3 69.8





#95  
Naphthalene  
Concen: 6.198 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN075805.D  
Acq: 15 Dec 2022 07:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
6N-EFF-1222



Tgt Ion:128 Resp: 49653  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.4 15.6  
129 11.0 8.7 13.1

