

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051922\  
 Data File : VN072555.D  
 Acq On : 19 May 2022 15:13  
 Operator : JC\MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VIBLK

Quant Time: May 20 06:53:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051822W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 02:22:47 2022  
 Response via : Initial Calibration

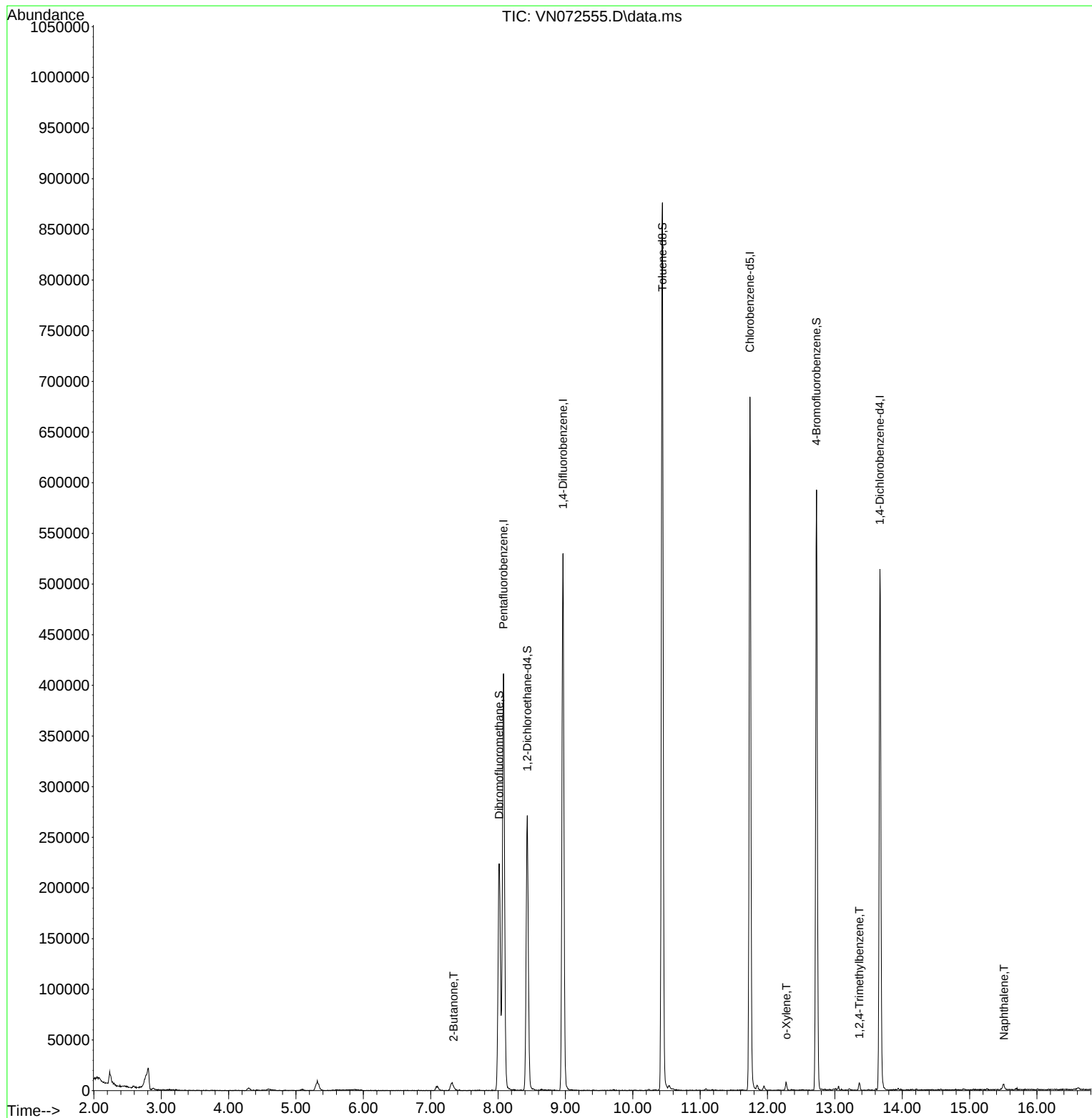
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.081     | 168   | 293314   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.963     | 114   | 439721   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.739    | 117   | 387375   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.668    | 152   | 144570   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.433     | 65    | 247755   | 54.365   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | = 108.720% |          |
| 35) Dibromofluoromethane    | 8.016     | 113   | 163826   | 55.217   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | = 110.440% |          |
| 50) Toluene-d8              | 10.439    | 98    | 593262   | 52.826   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | = 105.660% |          |
| 62) 4-Bromofluorobenzene    | 12.727    | 95    | 198513   | 46.534   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | = 93.060%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 25) 2-Butanone              | 7.339     | 43    | 3922     | 1.806    | ug/l       | 95       |
| 69) o-Xylene                | 12.280    | 106   | 2144     | 0.398    | ug/l       | 94       |
| 84) 1,2,4-Trimethylbenzene  | 13.363    | 105   | 5077     | 0.511    | ug/l       | 84       |
| 95) Naphthalene             | 15.509    | 128   | 6454     | 1.013    | ug/l #     | 90       |
| -----                       |           |       |          |          |            |          |

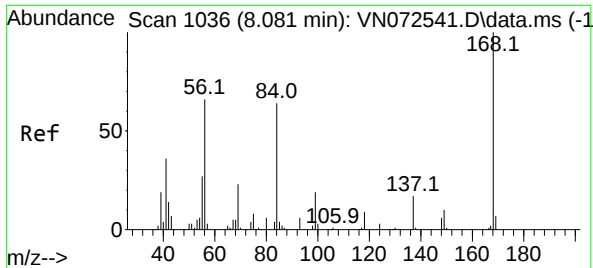
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051822W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 02:22:47 2022  
Response via : Initial Calibration

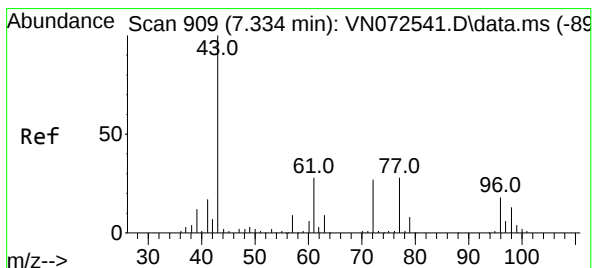
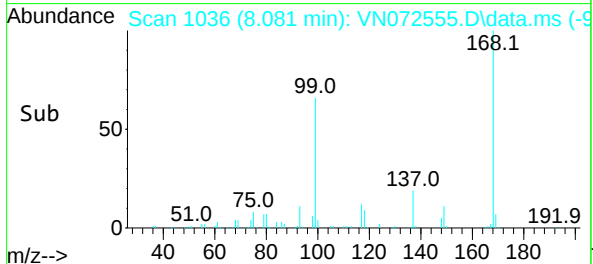
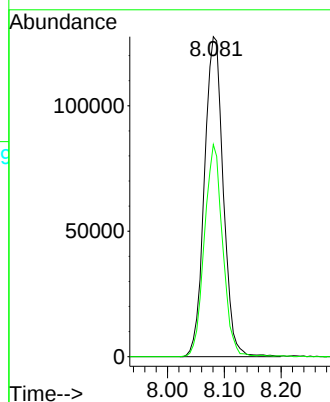
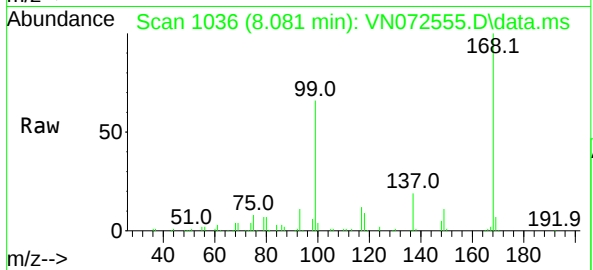




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN072555.D  
Acq: 19 May 2022 15:13

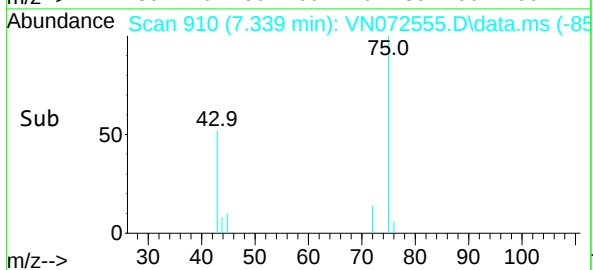
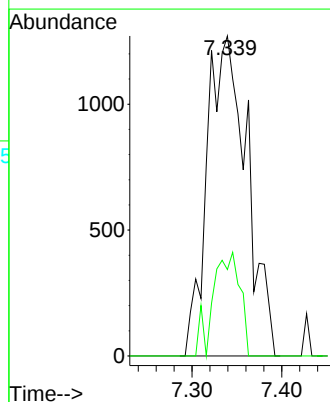
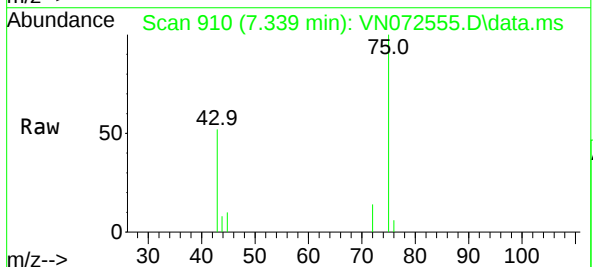
Instrument :  
MSVOA\_N  
ClientSampleId :  
VIBLK

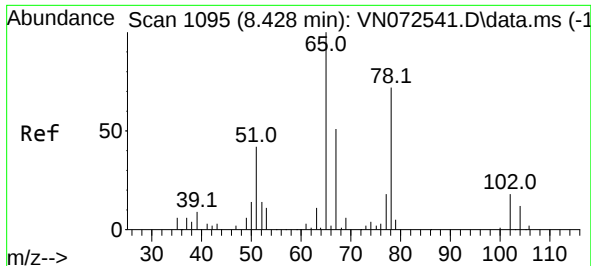
Tgt Ion:168 Resp: 293314  
Ion Ratio Lower Upper  
168 100  
99 66.3 42.3 63.5#



#25  
2-Butanone  
Concen: 1.806 ug/l  
RT: 7.339 min Scan# 910  
Delta R.T. 0.005 min  
Lab File: VN072555.D  
Acq: 19 May 2022 15:13

Tgt Ion: 43 Resp: 3922  
Ion Ratio Lower Upper  
43 100  
72 27.0 23.7 35.5





#33

1,2-Dichloroethane-d4

Concen: 54.365 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. 0.005 min

Lab File: VN072555.D

Acq: 19 May 2022 15:13

Instrument :

MSVOA\_N

ClientSampleId :

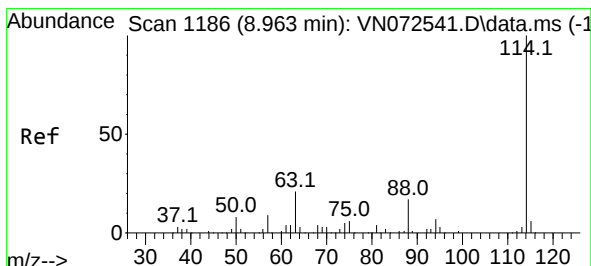
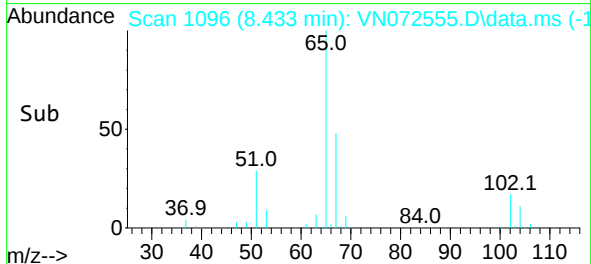
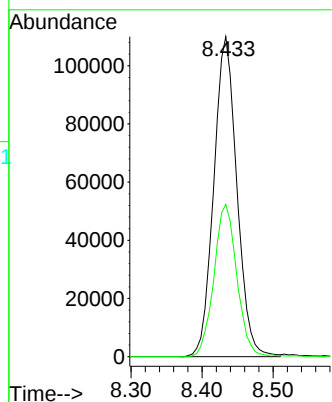
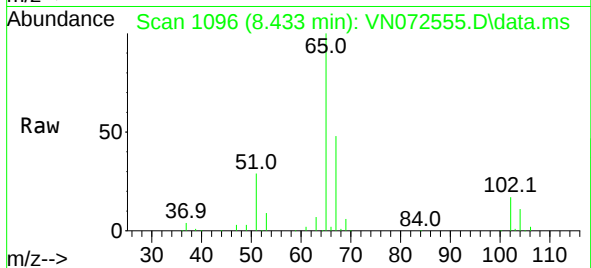
VIBLK

Tgt Ion: 65 Resp: 247755

Ion Ratio Lower Upper

65 100

67 47.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072555.D

Acq: 19 May 2022 15:13

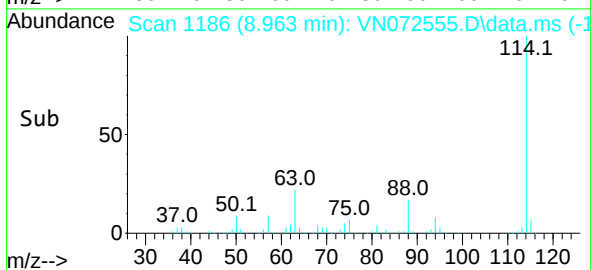
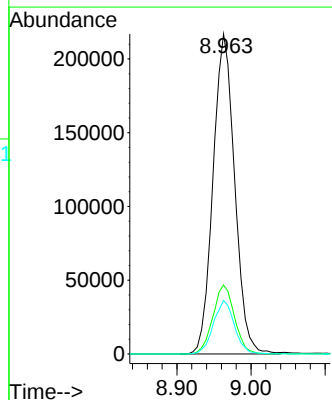
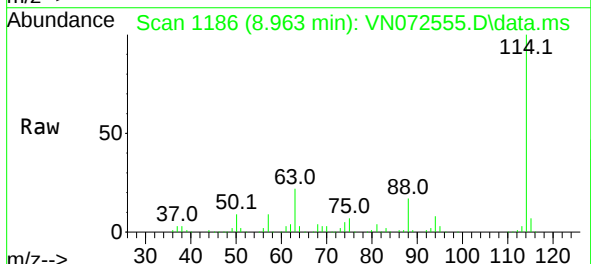
Tgt Ion: 114 Resp: 439721

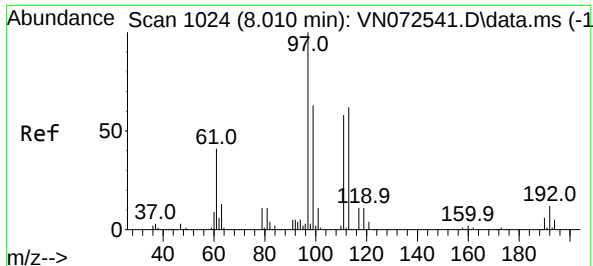
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 16.7 0.0 32.6

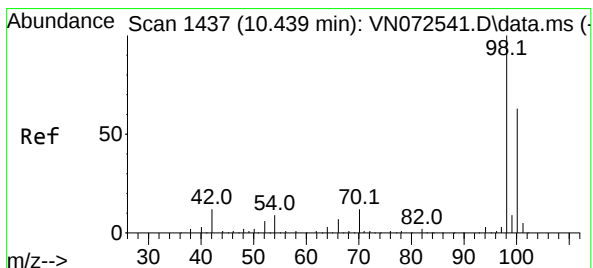
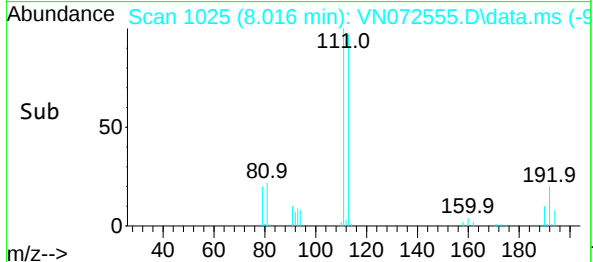
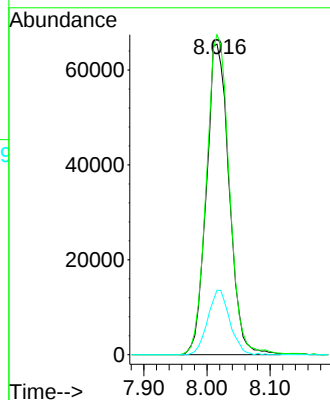
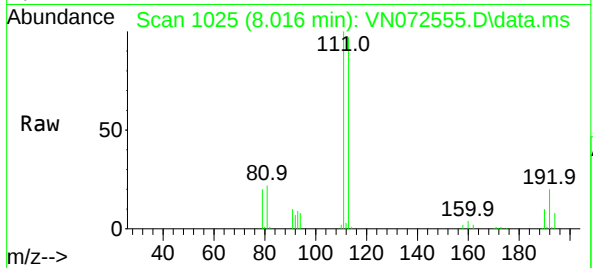




#35  
Dibromofluoromethane  
Concen: 55.217 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. 0.006 min  
Lab File: VN072555.D  
Acq: 19 May 2022 15:13

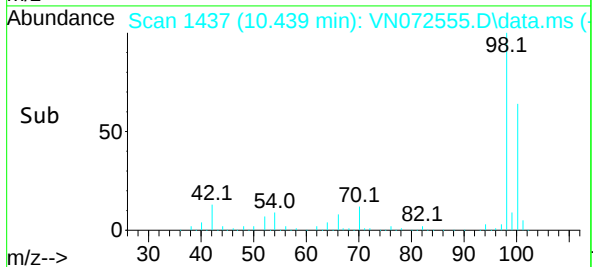
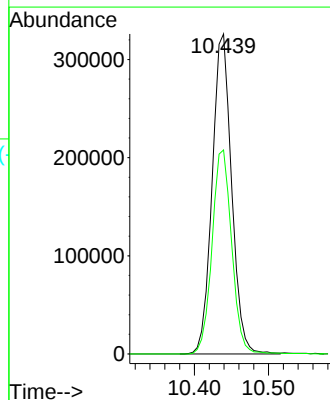
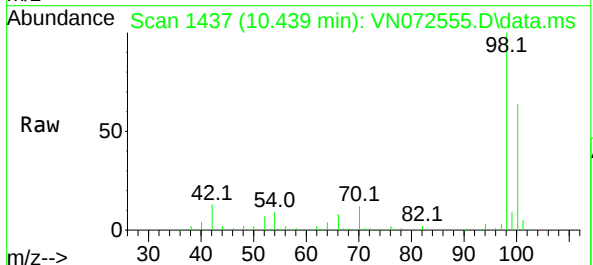
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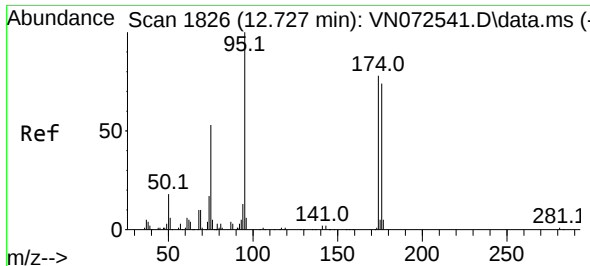
Tgt Ion:113 Resp: 163826  
Ion Ratio Lower Upper  
113 100  
111 104.1 81.4 122.0  
192 20.0 17.0 25.6



#50  
Toluene-d8  
Concen: 52.826 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072555.D  
Acq: 19 May 2022 15:13

Tgt Ion: 98 Resp: 593262  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.6 78.8

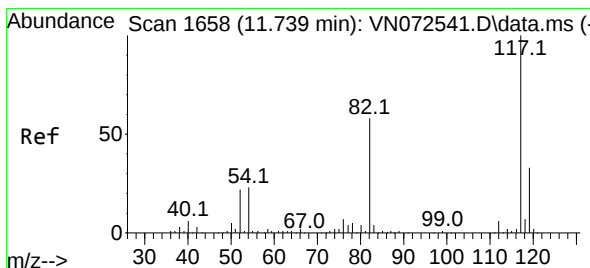
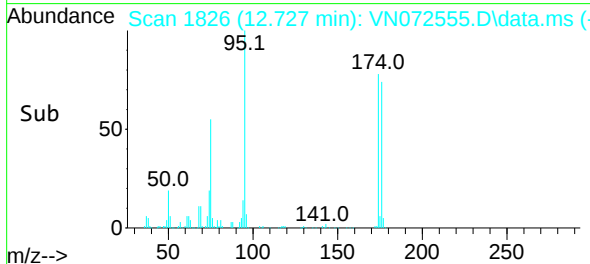
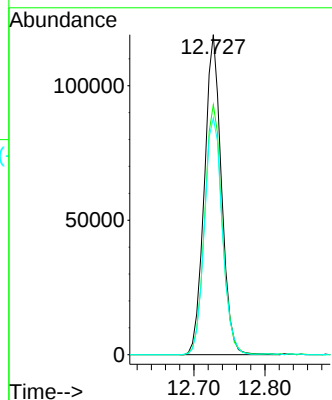
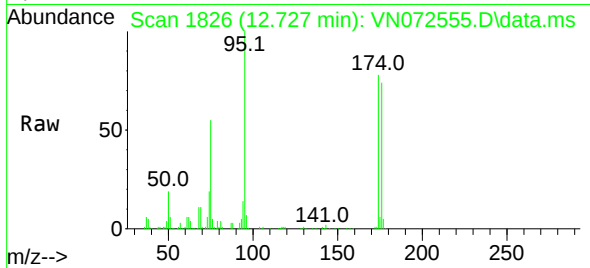




#62  
4-Bromofluorobenzene  
Concen: 46.534 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072555.D  
Acq: 19 May 2022 15:13

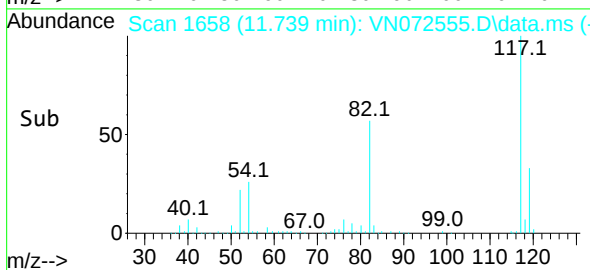
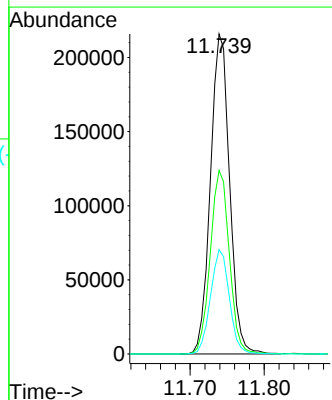
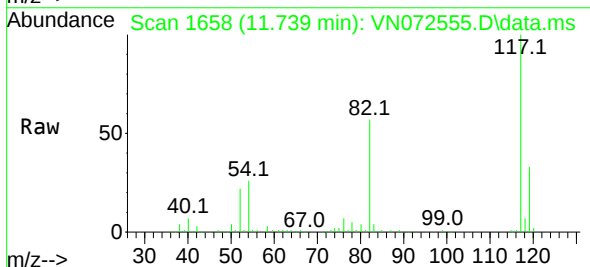
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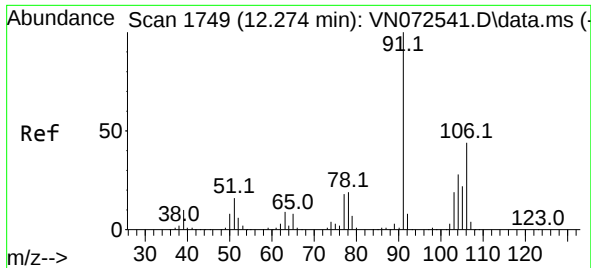
Tgt Ion: 95 Resp: 198513  
Ion Ratio Lower Upper  
95 100  
174 80.2 0.0 167.6  
176 77.6 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN072555.D  
Acq: 19 May 2022 15:13

Tgt Ion: 117 Resp: 387375  
Ion Ratio Lower Upper  
117 100  
82 57.4 44.2 66.2  
119 32.6 25.4 38.0

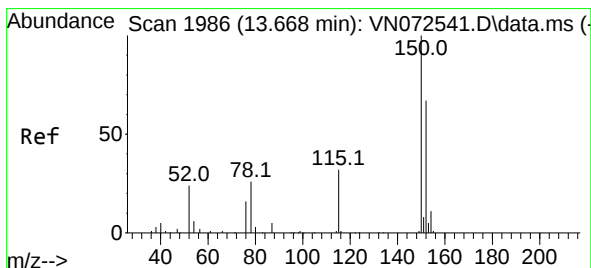
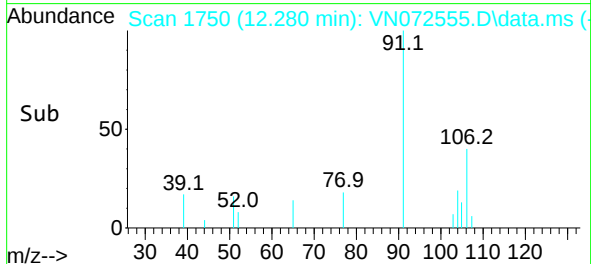
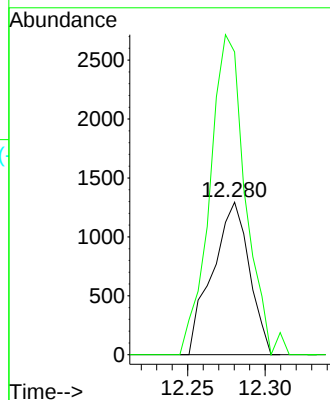
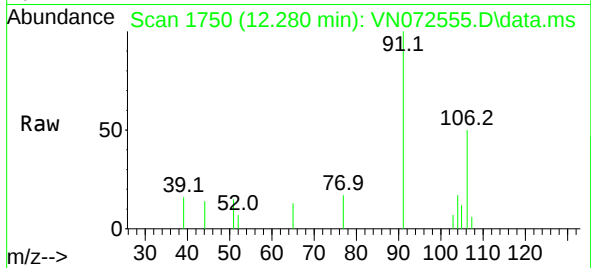




#69  
o-Xylene  
Concen: 0.398 ug/l  
RT: 12.280 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN072555.D  
Acq: 19 May 2022 15:13

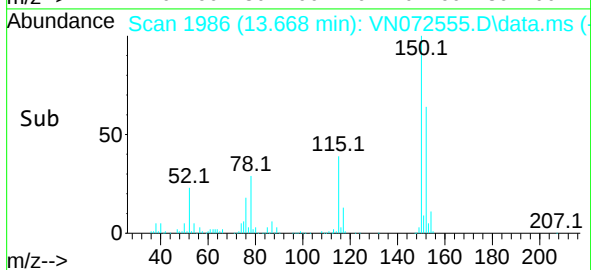
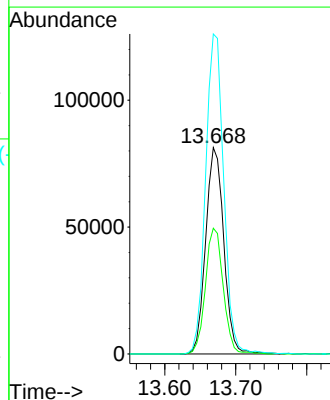
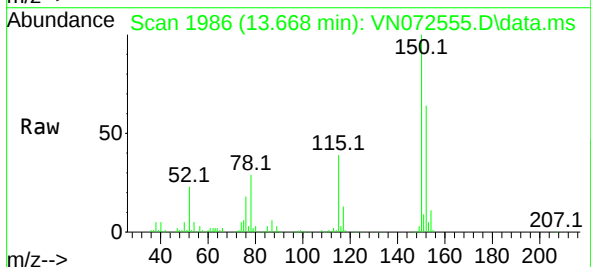
Instrument :  
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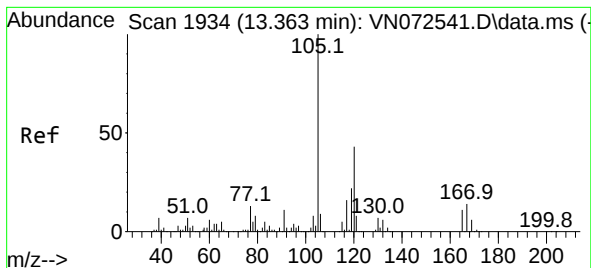
Tgt Ion:106 Resp: 2144  
Ion Ratio Lower Upper  
106 100  
91 202.9 106.0 318.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. 0.000 min  
Lab File: VN072555.D  
Acq: 19 May 2022 15:13

Tgt Ion:152 Resp: 144570  
Ion Ratio Lower Upper  
152 100  
115 59.9 28.9 86.7  
150 154.8 0.0 356.2





#84

1,2,4-Trimethylbenzene

Concen: 0.511 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.000 min

Lab File: VN072555.D

Acq: 19 May 2022 15:13

Instrument :

MSVOA\_N

ClientSampleId :

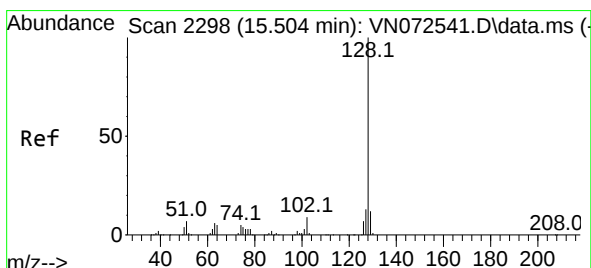
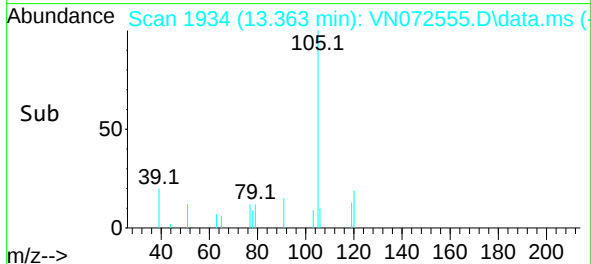
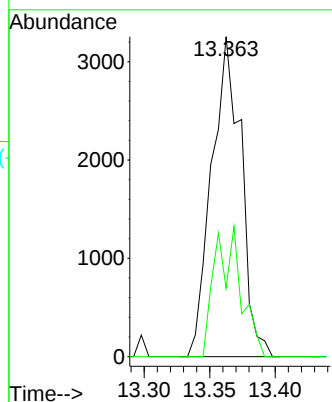
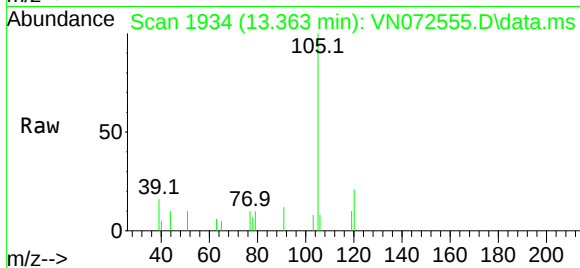
VIBLK

Tgt Ion:105 Resp: 5077

Ion Ratio Lower Upper

105 100

120 35.9 23.3 69.8



#95

Naphthalene

Concen: 1.013 ug/l

RT: 15.509 min Scan# 2299

Delta R.T. 0.005 min

Lab File: VN072555.D

Acq: 19 May 2022 15:13

Tgt Ion:128 Resp: 6454

Ion Ratio Lower Upper

128 100

127 16.6 10.3 15.5#

129 7.1 8.6 13.0#

