

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120822\  
 Data File : VN075650.D  
 Acq On : 08 Dec 2022 16:08  
 Operator : JC\MD  
 Sample : N5924-03DL 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 INF1222DL

Quant Time: Dec 09 02:09:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

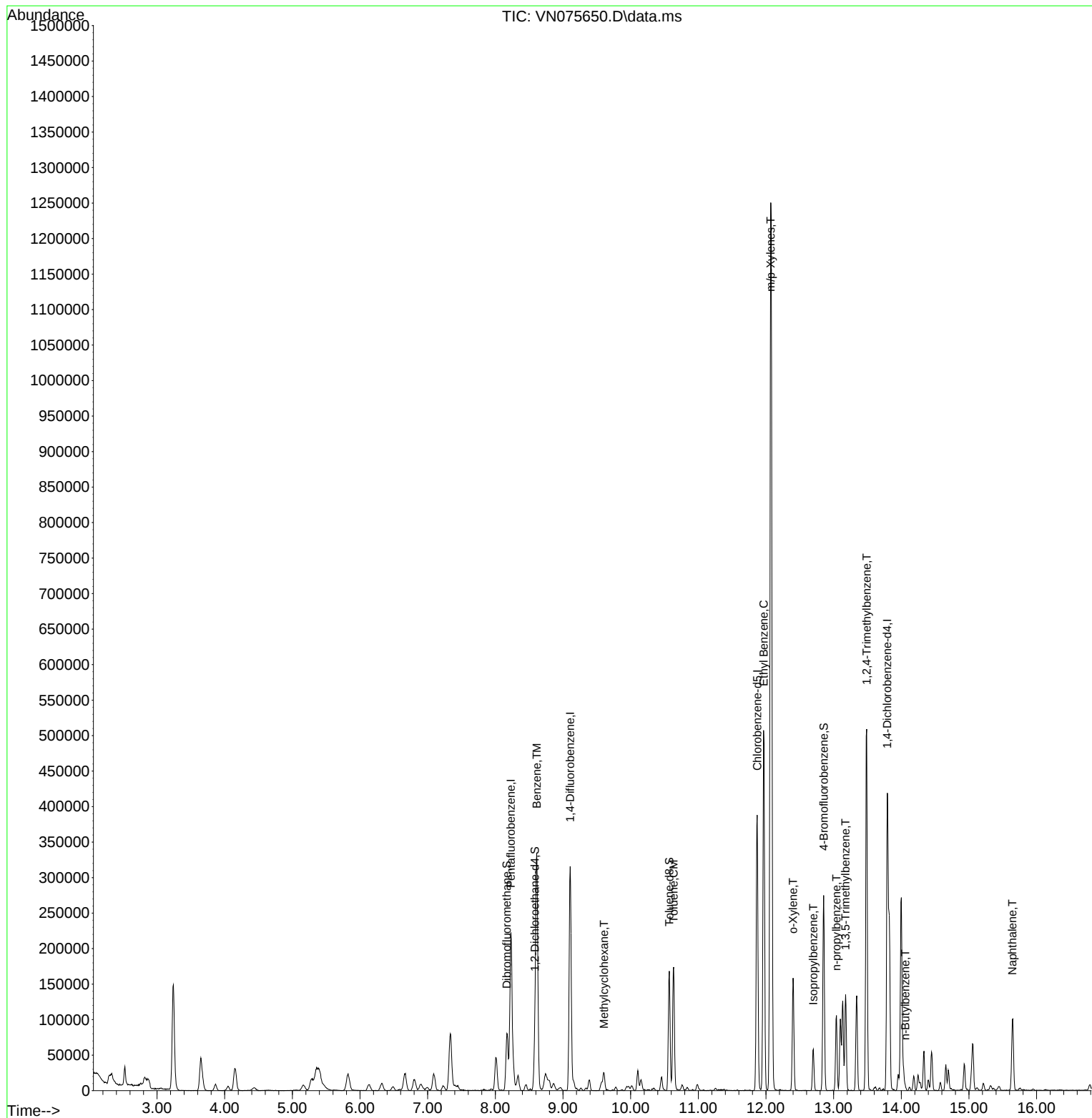
| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 8.230          | 168  | 170187              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 281097              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871         | 117  | 242700              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 121319              | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583          | 65   | 46276               | 50.656  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 101.320% |         |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 59435               | 53.824  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 107.640% |         |        |          |
| 50) Toluene-d8              | 10.571         | 98   | 118761              | 47.752  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 95.500%  |         |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 88859               | 48.406  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 96.820%  |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         | Qvalue |          |
| 39) Methylcyclohexane       | 9.606          | 83   | 11688               | 3.878   | ug/l   | 90       |
| 40) Benzene                 | 8.612          | 78   | 354548              | 48.088  | ug/l   | 96       |
| 52) Toluene                 | 10.635         | 92   | 83249               | 17.522  | ug/l   | 98       |
| 67) Ethyl Benzene           | 11.965         | 91   | 384525              | 44.968  | ug/l   | 96       |
| 68) m/p-Xylenes             | 12.071         | 106  | 455725              | 131.239 | ug/l   | 99       |
| 69) o-Xylene                | 12.400         | 106  | 48983               | 14.197  | ug/l   | 95       |
| 73) Isopropylbenzene        | 12.700         | 105  | 40722               | 4.594   | ug/l   | 97       |
| 78) n-propylbenzene         | 13.041         | 91   | 87444               | 8.840   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 13.176         | 105  | 79175               | 10.752  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.488         | 105  | 305370              | 41.342  | ug/l   | 98       |
| 89) n-Butylbenzene          | 14.059         | 91   | 3784                | 0.585   | ug/l # | 80       |
| 95) Naphthalene             | 15.641         | 128  | 101699              | 15.609  | ug/l   | 99       |
| -----                       |                |      |                     |         |        |          |

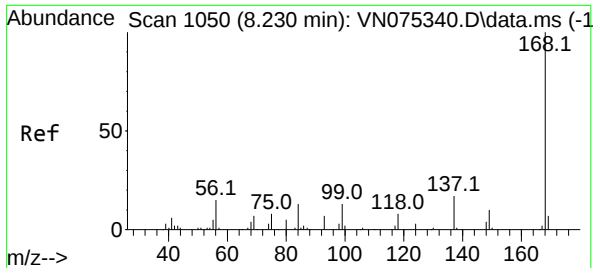
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120822\  
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Sample : N5924-03DL 10X  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
INF1222DL

Quant Time: Dec 09 02:09:06 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 23 00:18:03 2022  
Response via : Initial Calibration

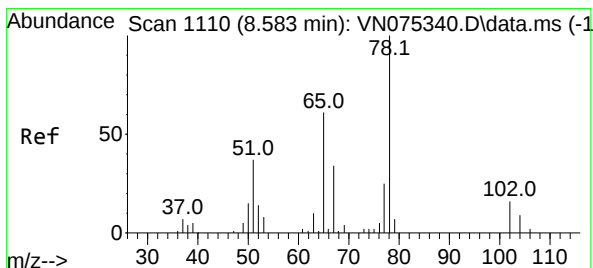
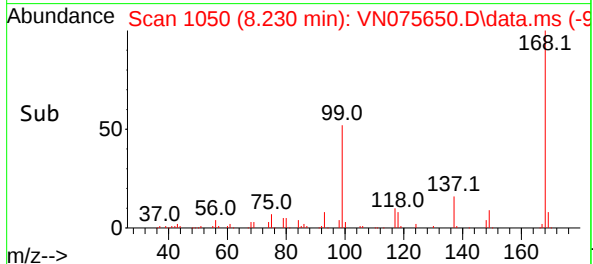
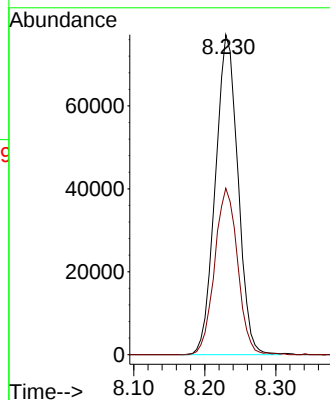
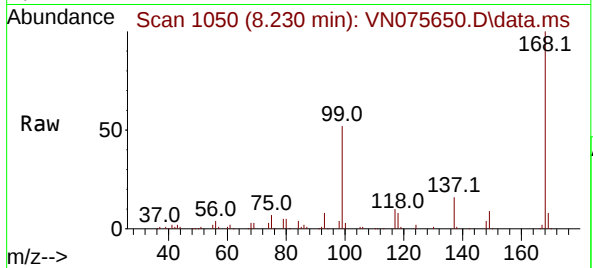




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

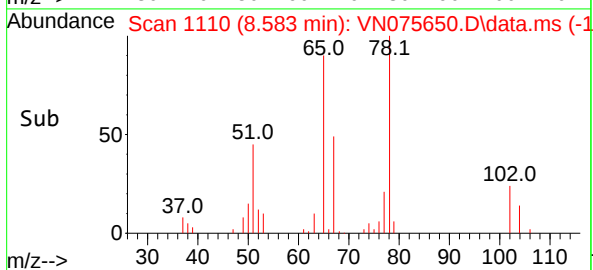
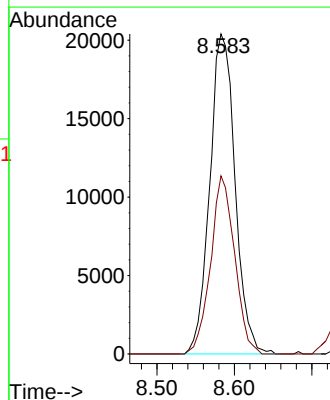
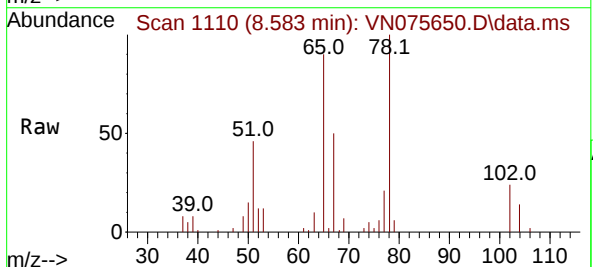
Instrument :  
MSVOA\_N  
ClientSampleId :  
INF1222DL

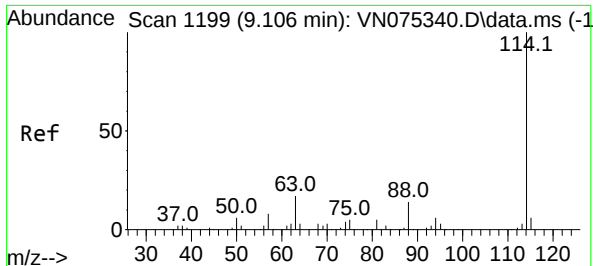
Tgt Ion:168 Resp: 170187  
Ion Ratio Lower Upper  
168 100  
99 52.0 51.6 77.4



#33  
1,2-Dichloroethane-d4  
Concen: 50.656 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

Tgt Ion: 65 Resp: 46276  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075650.D

Acq: 08 Dec 2022 16:08

Instrument :

MSVOA\_N

ClientSampleId :

INF1222DL

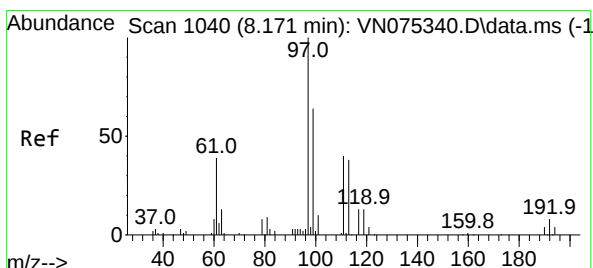
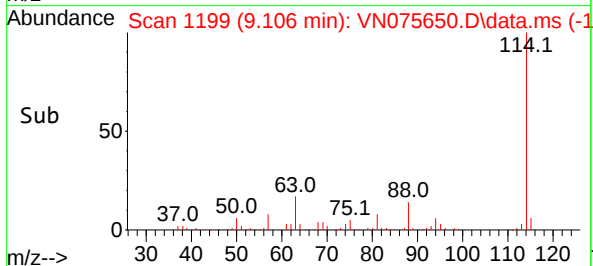
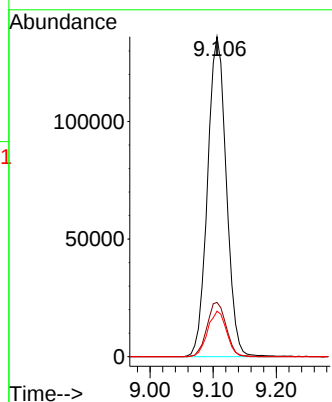
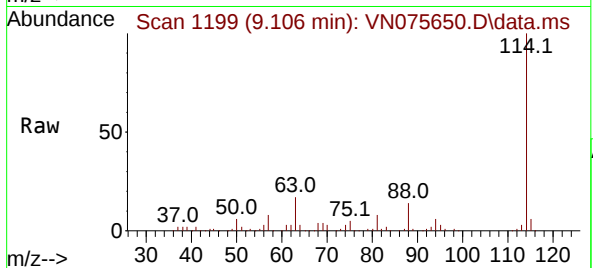
Tgt Ion:114 Resp: 281097

Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 14.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.824 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075650.D

Acq: 08 Dec 2022 16:08

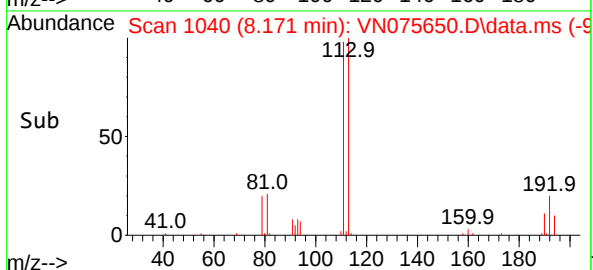
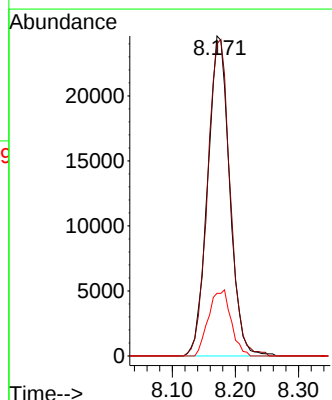
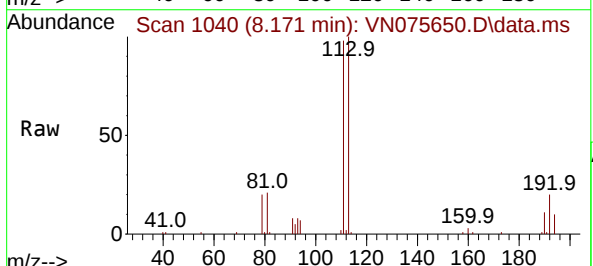
Tgt Ion:113 Resp: 59435

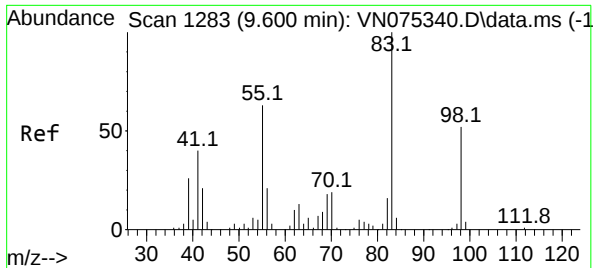
Ion Ratio Lower Upper

113 100

111 100.7 80.5 120.7

192 21.0 13.2 19.8#

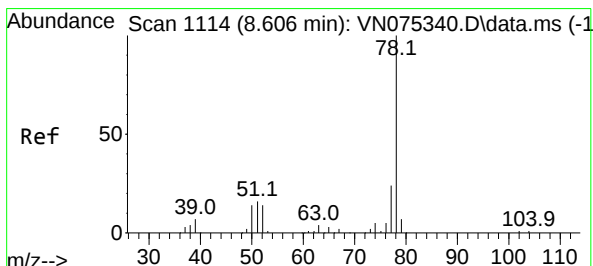
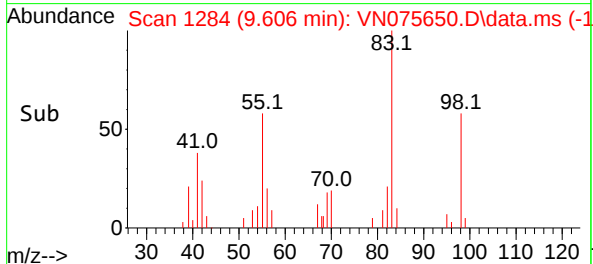
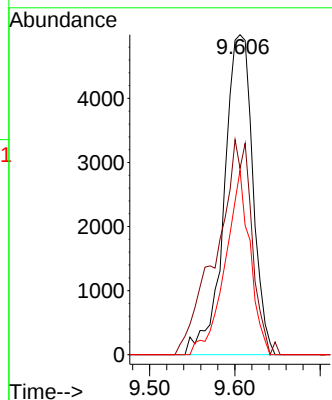
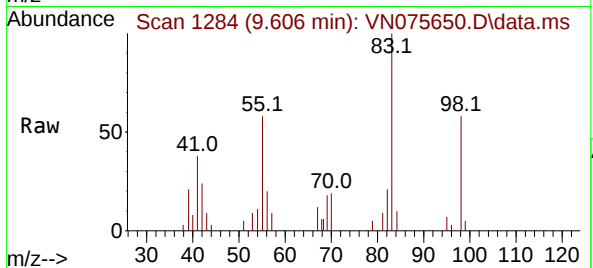




#39  
Methylcyclohexane  
Concen: 3.878 ug/l  
RT: 9.606 min Scan# 1115  
Delta R.T. 0.006 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

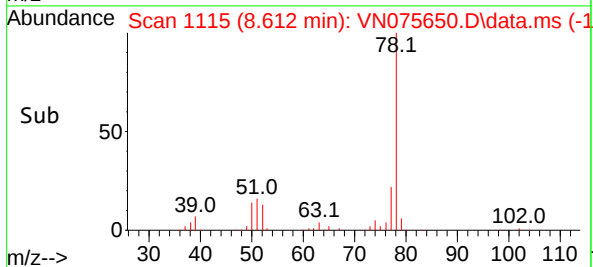
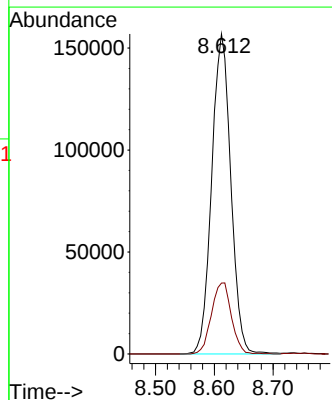
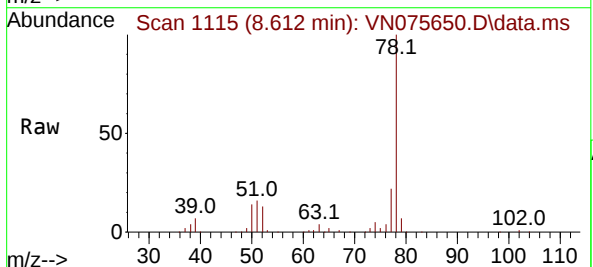
Instrument :  
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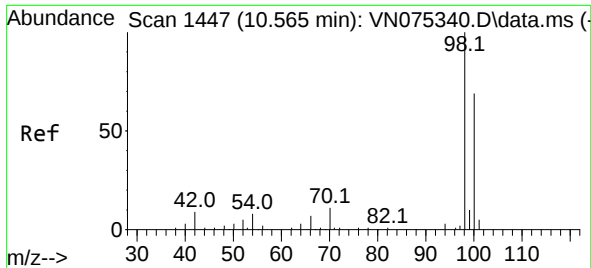
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 11688 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 58.2  | 53.6  | 80.4  |
| 98       | 57.6  | 41.1  | 61.7  |



#40  
Benzene  
Concen: 48.088 ug/l  
RT: 8.612 min Scan# 1115  
Delta R.T. 0.006 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 354548 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 22.1  | 19.4  | 29.0   |

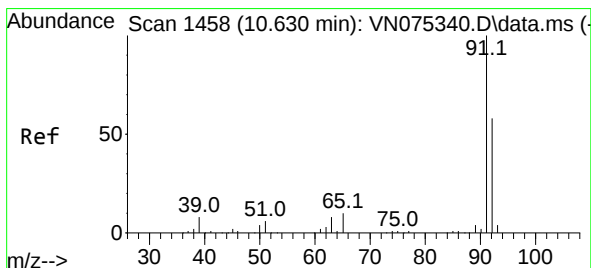
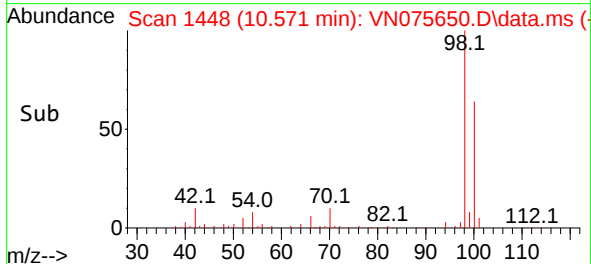
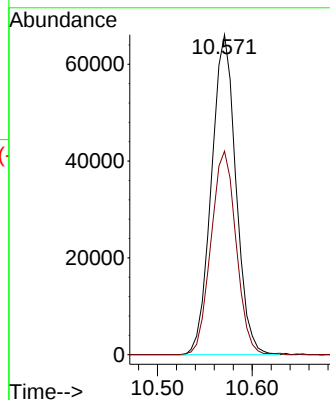
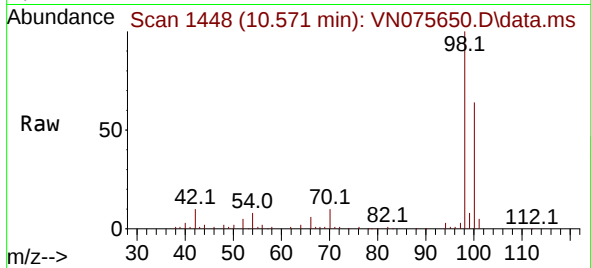




#50  
Toluene-d8  
Concen: 47.752 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.006 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

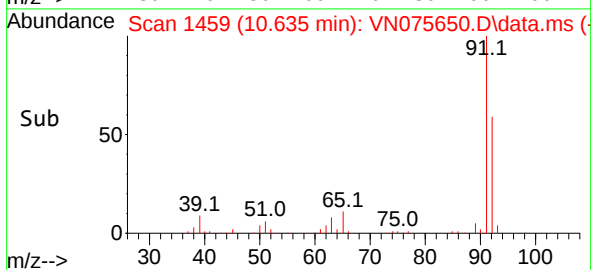
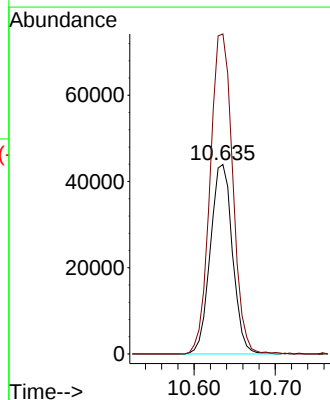
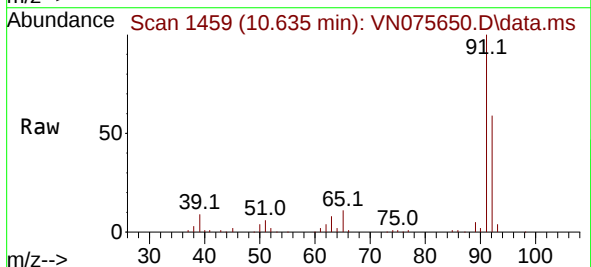
Instrument :  
MSVOA\_N  
ClientSampleId :  
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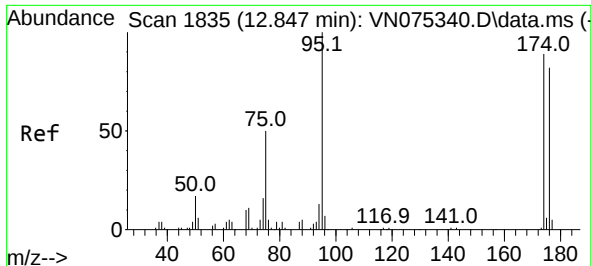
Tgt Ion: 98 Resp: 118761  
Ion Ratio Lower Upper  
98 100  
100 65.4 53.0 79.6



#52  
Toluene  
Concen: 17.522 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. 0.005 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

Tgt Ion: 92 Resp: 83249  
Ion Ratio Lower Upper  
92 100  
91 172.4 135.4 203.2





#62

4-Bromofluorobenzene

Concen: 48.406 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN075650.D

Acq: 08 Dec 2022 16:08

Instrument :

MSVOA\_N

ClientSampleId :

INF1222DL

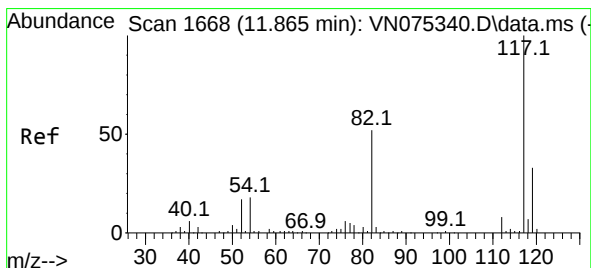
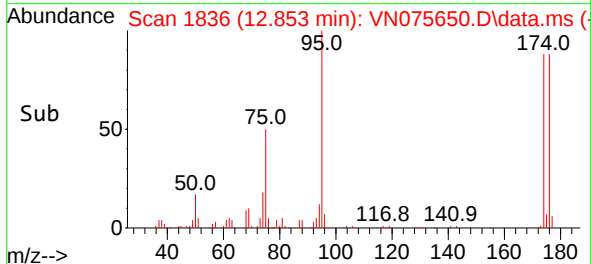
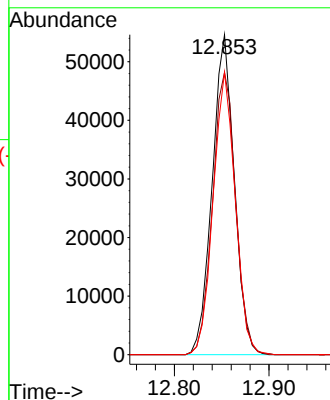
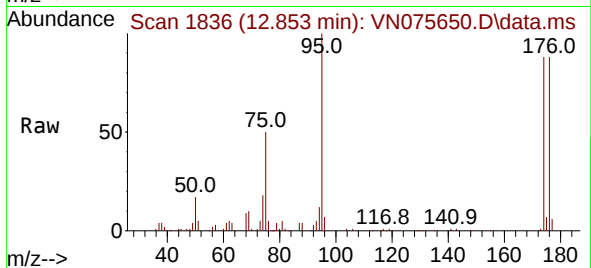
Tgt Ion: 95 Resp: 88859

Ion Ratio Lower Upper

95 100

174 91.5 0.0 147.4

176 88.1 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1669

Delta R.T. 0.006 min

Lab File: VN075650.D

Acq: 08 Dec 2022 16:08

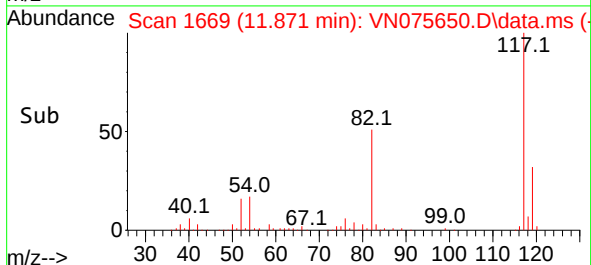
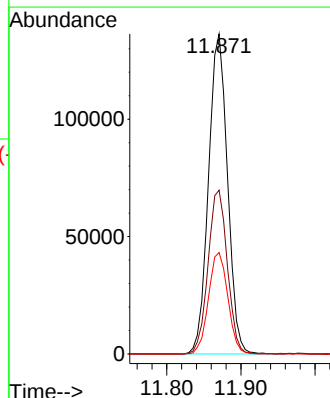
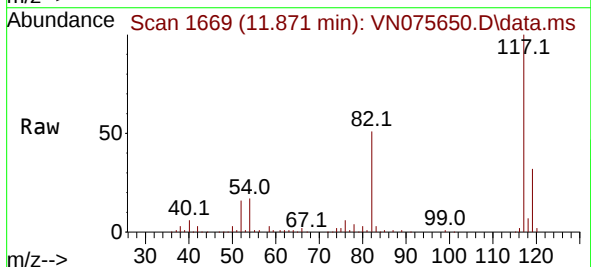
Tgt Ion: 117 Resp: 242700

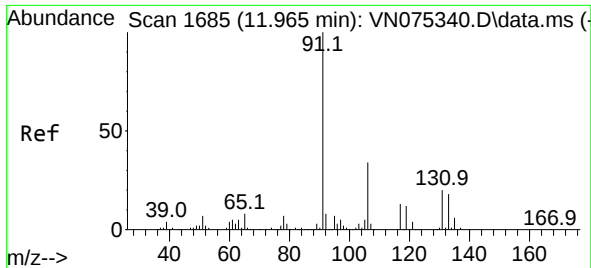
Ion Ratio Lower Upper

117 100

82 51.2 43.1 64.7

119 31.7 25.5 38.3

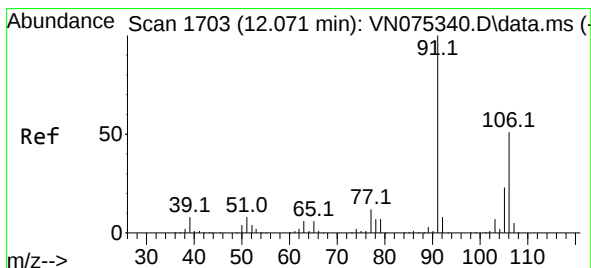
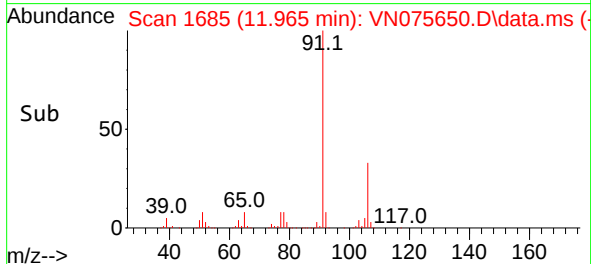
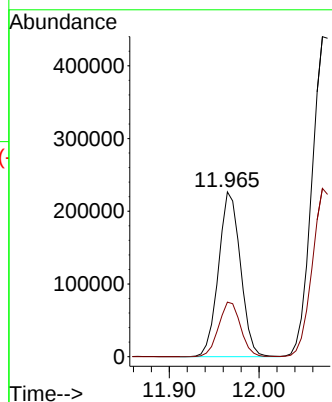
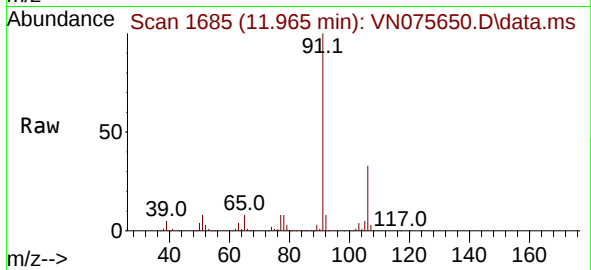




#67  
Ethyl Benzene  
Concen: 44.968 ug/l  
RT: 11.965 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

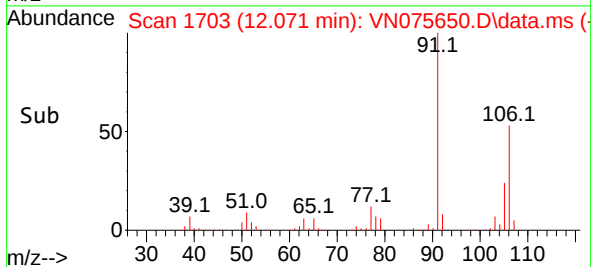
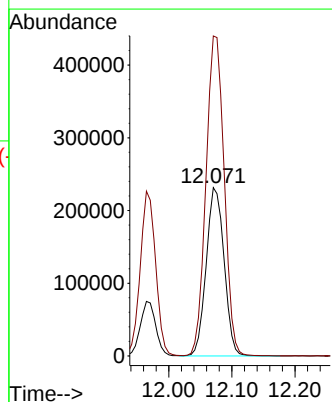
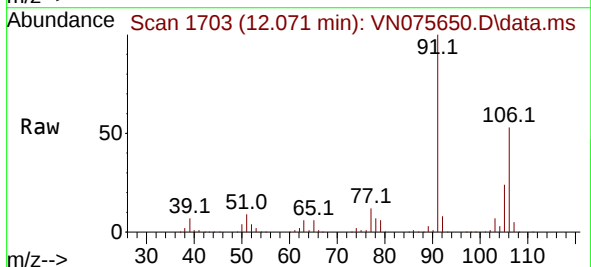
Instrument :  
MSVOA\_N  
ClientSampleId :  
INF1222DL

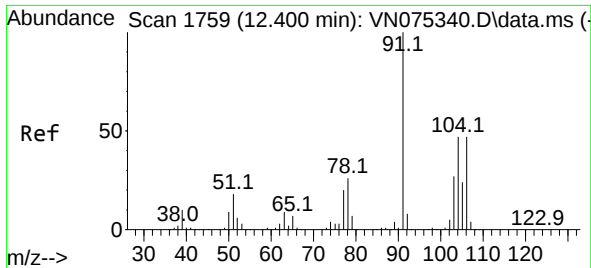
Tgt Ion: 91 Resp: 384525  
Ion Ratio Lower Upper  
91 100  
106 33.1 24.9 37.3



#68  
m/p-Xylenes  
Concen: 131.239 ug/l  
RT: 12.071 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

Tgt Ion: 106 Resp: 455725  
Ion Ratio Lower Upper  
106 100  
91 193.3 156.0 234.0

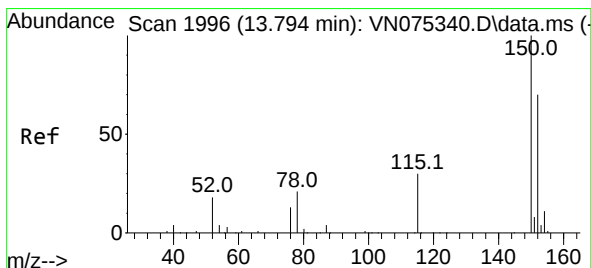
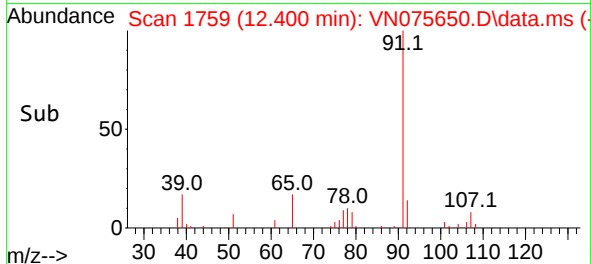
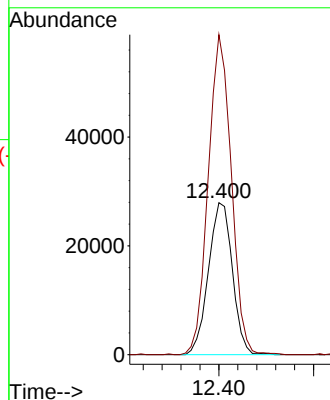
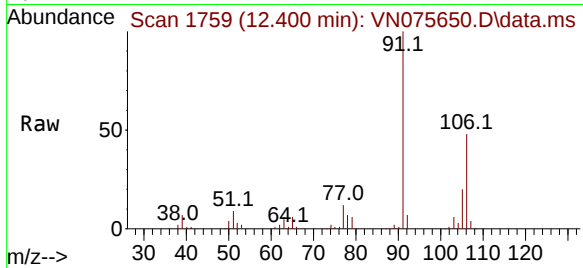




#69  
o-Xylene  
Concen: 14.197 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

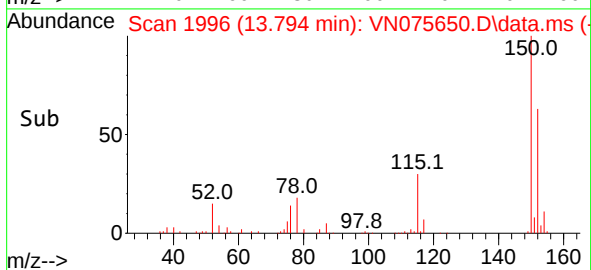
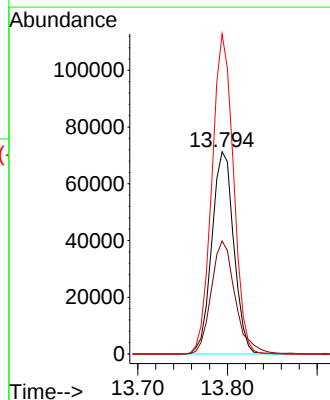
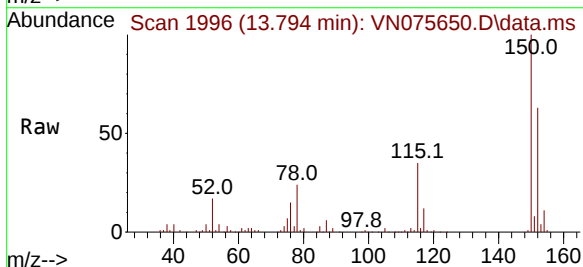
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MSVOA\_N  
ClientSampleId :  
INF1222DL

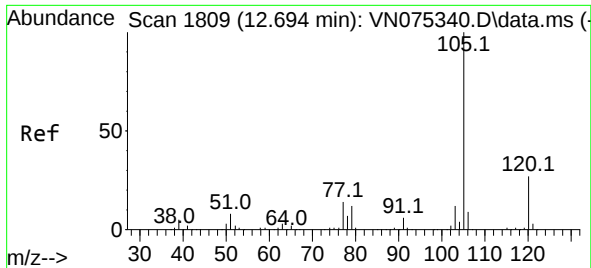
Tgt Ion:106 Resp: 48983  
Ion Ratio Lower Upper  
106 100  
91 203.1 105.2 315.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

Tgt Ion:152 Resp: 121319  
Ion Ratio Lower Upper  
152 100  
115 61.2 30.2 90.6  
150 155.3 0.0 348.4

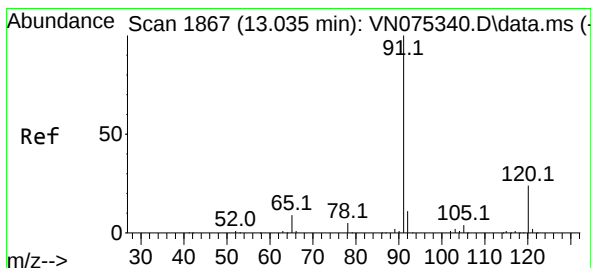
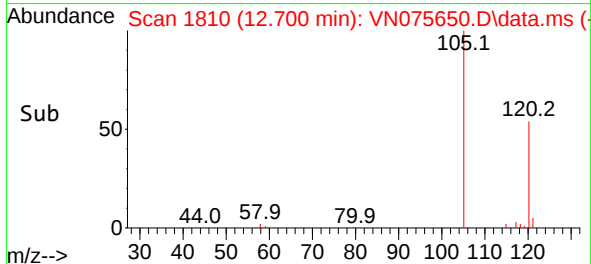
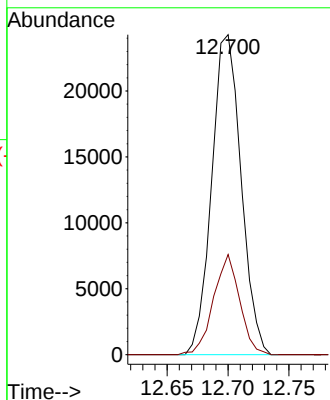
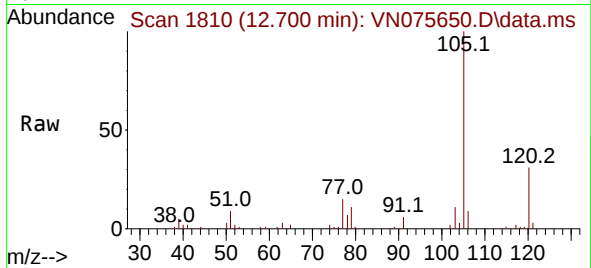




#73  
Isopropylbenzene  
Concen: 4.594 ug/l  
RT: 12.700 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

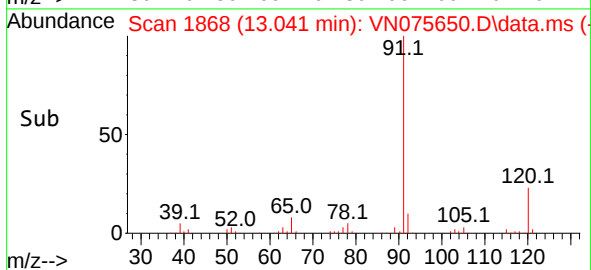
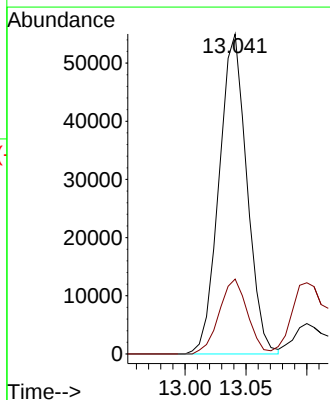
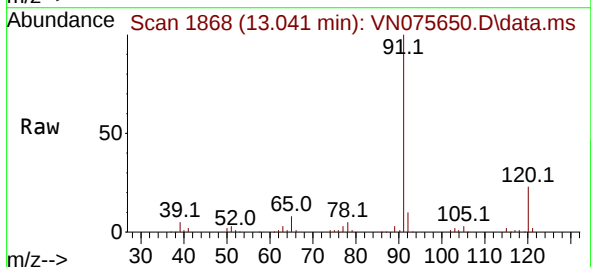
Instrument :  
MSVOA\_N  
ClientSampleId :  
INF1222DL

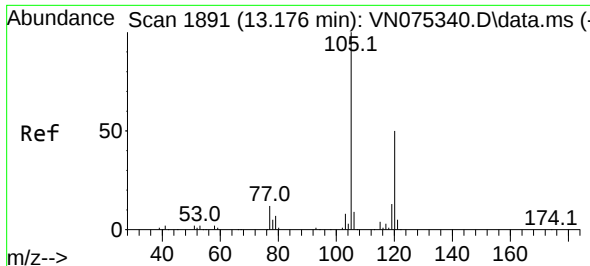
Tgt Ion:105 Resp: 40722  
Ion Ratio Lower Upper  
105 100  
120 27.9 13.1 39.1



#78  
n-propylbenzene  
Concen: 8.840 ug/l  
RT: 13.041 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

Tgt Ion: 91 Resp: 87444  
Ion Ratio Lower Upper  
91 100  
120 23.8 11.9 35.5

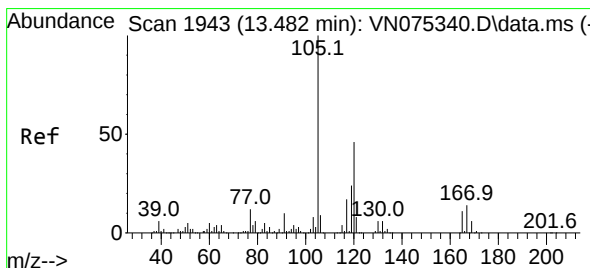
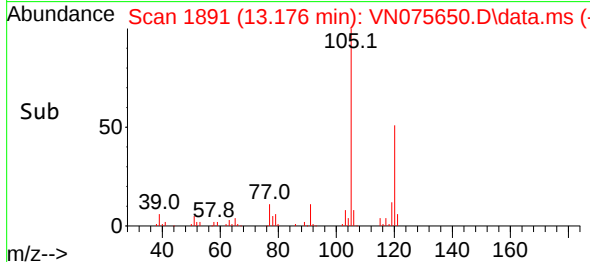
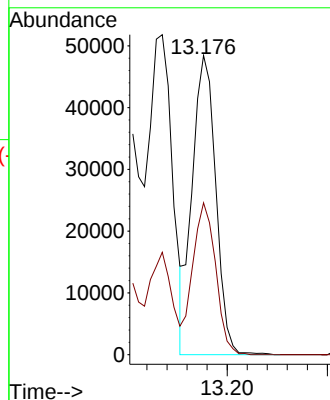
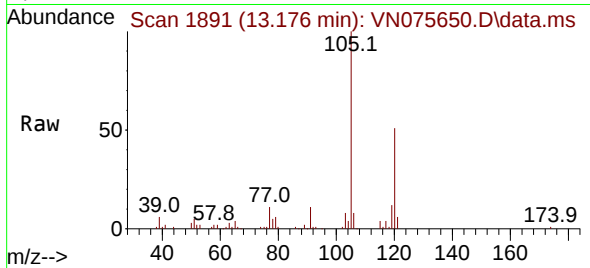




#80  
 1,3,5-Trimethylbenzene  
 Concen: 10.752 ug/l  
 RT: 13.176 min Scan# 1891  
 Delta R.T. 0.000 min  
 Lab File: VN075650.D  
 Acq: 08 Dec 2022 16:08

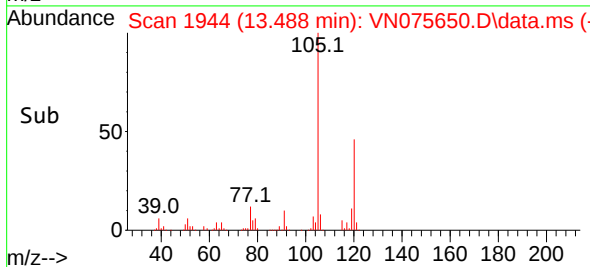
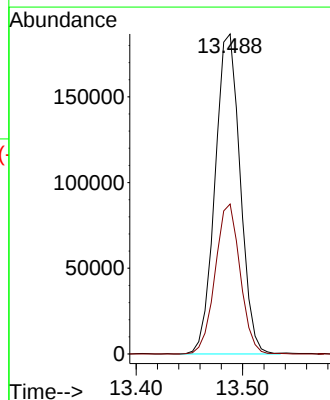
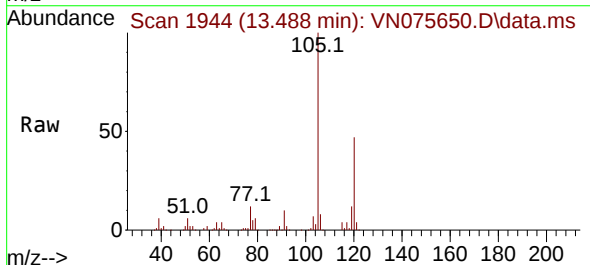
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 INF1222DL

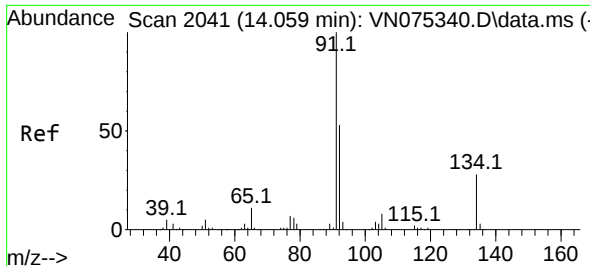
Tgt Ion:105 Resp: 79175  
 Ion Ratio Lower Upper  
 105 100  
 120 49.6 24.7 74.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 41.342 ug/l  
 RT: 13.488 min Scan# 1944  
 Delta R.T. 0.006 min  
 Lab File: VN075650.D  
 Acq: 08 Dec 2022 16:08

Tgt Ion:105 Resp: 305370  
 Ion Ratio Lower Upper  
 105 100  
 120 46.6 22.7 68.1

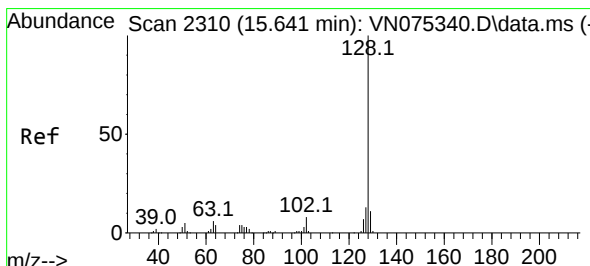
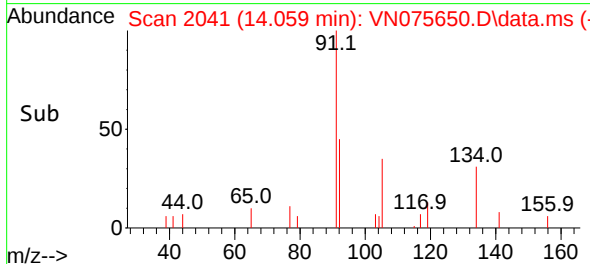
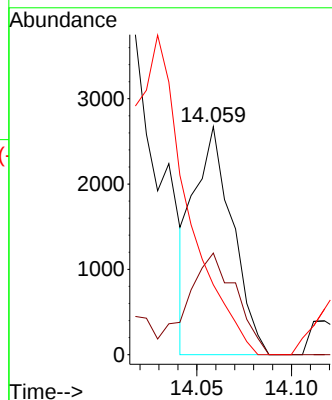
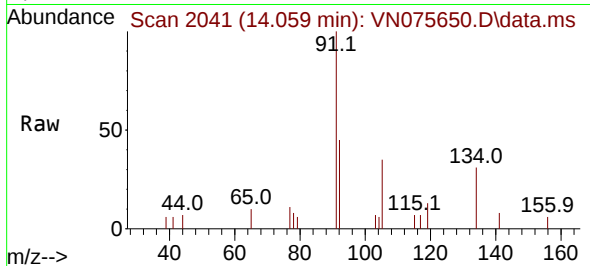




#89  
n-Butylbenzene  
Concen: 0.585 ug/l  
RT: 14.059 min Scan# 2041  
Delta R.T. -0.000 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
INF1222DL

Tgt Ion: 91 Resp: 3784  
Ion Ratio Lower Upper  
91 100  
92 55.9 26.5 79.4  
134 0.0 13.0 39.0#



#95  
Naphthalene  
Concen: 15.609 ug/l  
RT: 15.641 min Scan# 2310  
Delta R.T. -0.000 min  
Lab File: VN075650.D  
Acq: 08 Dec 2022 16:08

Tgt Ion:128 Resp: 101699  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.4 15.6  
129 10.6 8.6 12.8

