

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091824\  
 Data File : VN084024.D  
 Acq On : 19 Sep 2024 10:08  
 Operator : JC\MD  
 Sample : P3964-05DL 10X  
 Misc : 10.32g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SINK-2DL

Quant Time: Sep 19 13:34:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

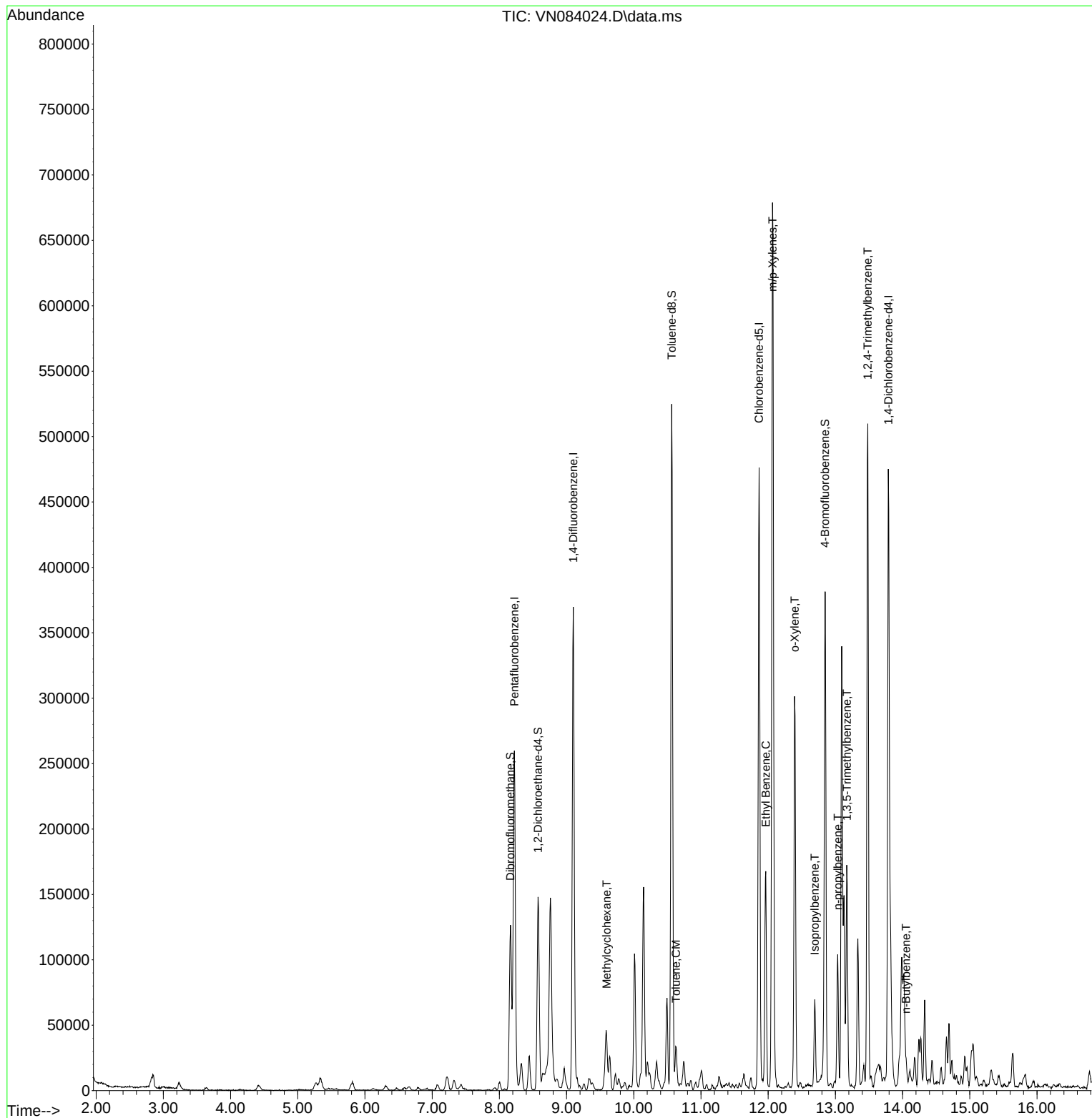
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 161407              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 284868              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 246578              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 112574              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 126472              | 51.965 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 103.940% |        |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 87310               | 47.876 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 95.760%  |        |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 344809              | 54.692 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 109.380% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 129675              | 49.854 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 99.700%  |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 39) Methylcyclohexane       | 9.594          | 83   | 7235m               | 2.316  | ug/l   |          |
| 52) Toluene                 | 10.629         | 92   | 13344               | 2.641  | ug/l   | 96       |
| 67) Ethyl Benzene           | 11.965         | 91   | 116803              | 11.998 | ug/l   | 99       |
| 68) m/p-Xylenes             | 12.065         | 106  | 202594              | 56.052 | ug/l   | 96       |
| 69) o-Xylene                | 12.394         | 106  | 79280               | 22.658 | ug/l   | 100      |
| 73) Isopropylbenzene        | 12.694         | 105  | 42722               | 4.905  | ug/l   | 98       |
| 78) n-propylbenzene         | 13.035         | 91   | 76438               | 7.543  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 13.170         | 105  | 91344               | 12.440 | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.482         | 105  | 287283              | 38.948 | ug/l   | 100      |
| 89) n-Butylbenzene          | 14.053         | 91   | 8193                | 1.278  | ug/l # | 79       |
| -----                       |                |      |                     |        |        |          |

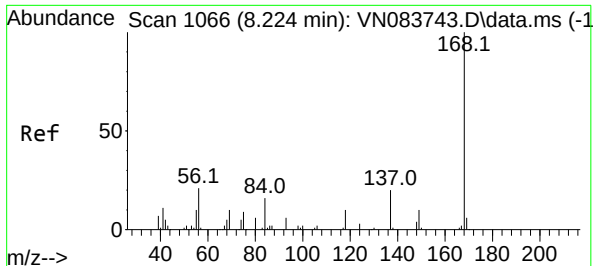
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P3964-05DL 10X  
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Instrument :  
MSVOA\_N  
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SINK-2DL

Quant Time: Sep 19 13:34:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration

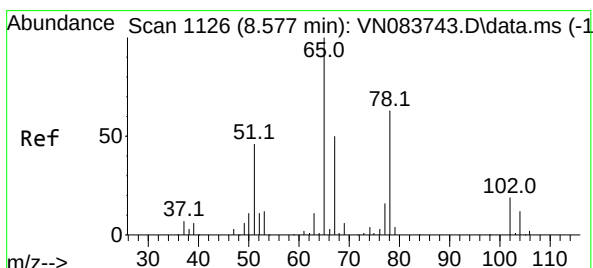
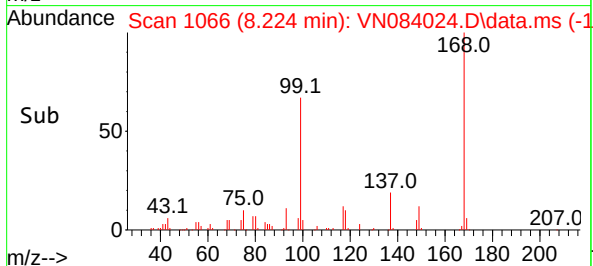
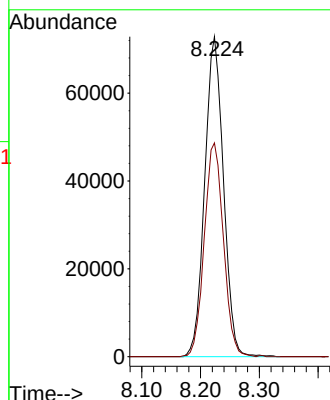
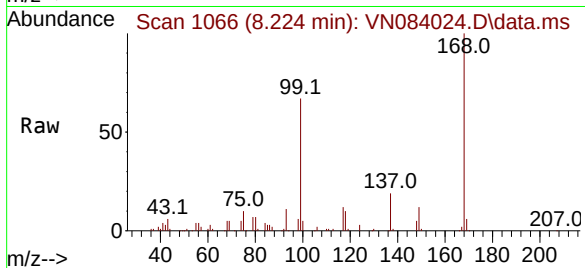




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

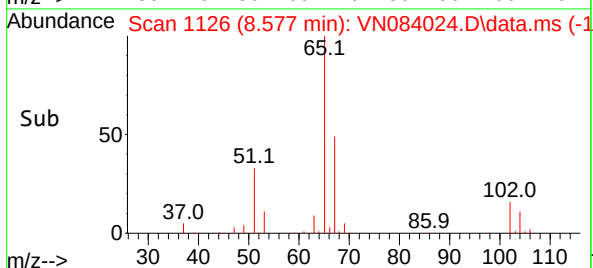
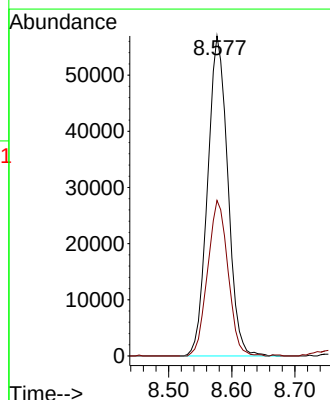
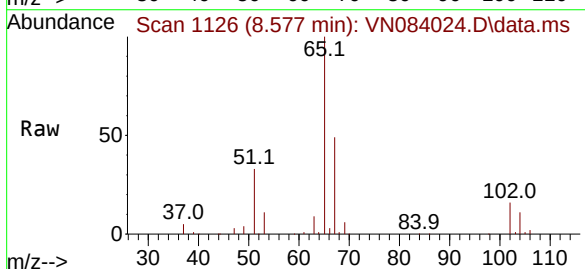
Instrument :  
MSVOA\_N  
ClientSampleId :  
SINK-2DL

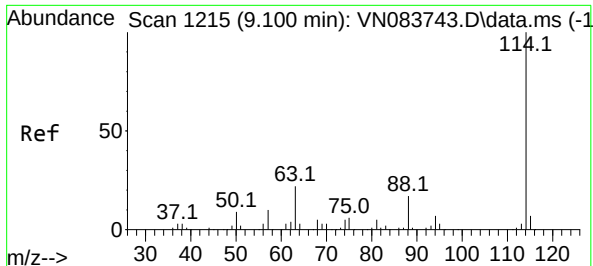
Tgt Ion:168 Resp: 161407  
Ion Ratio Lower Upper  
168 100  
99 66.8 54.2 81.2



#33  
1,2-Dichloroethane-d4  
Concen: 51.965 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

Tgt Ion: 65 Resp: 126472  
Ion Ratio Lower Upper  
65 100  
67 49.1 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084024.D

Acq: 19 Sep 2024 10:08

Instrument :

MSVOA\_N

ClientSampleId :

SINK-2DL

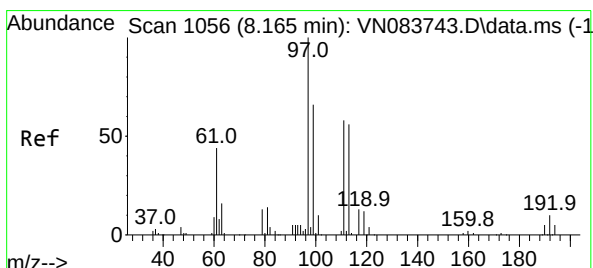
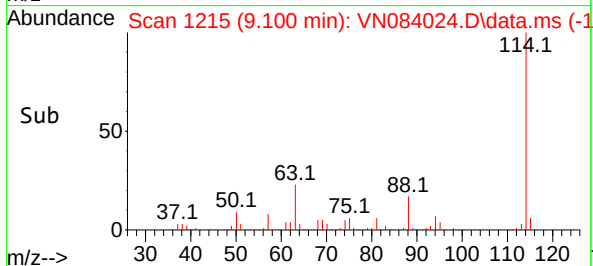
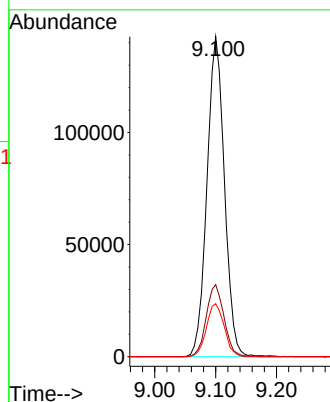
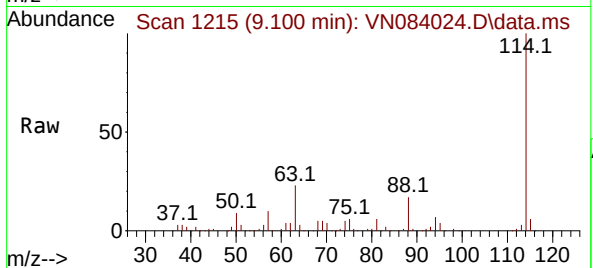
Tgt Ion:114 Resp: 284868

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.876 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084024.D

Acq: 19 Sep 2024 10:08

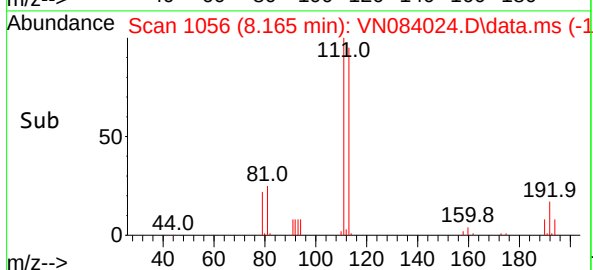
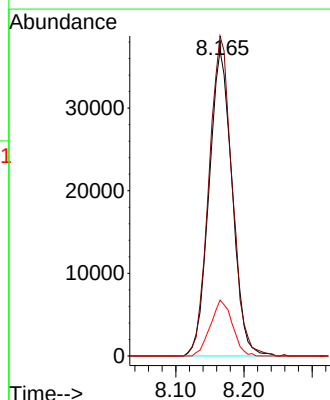
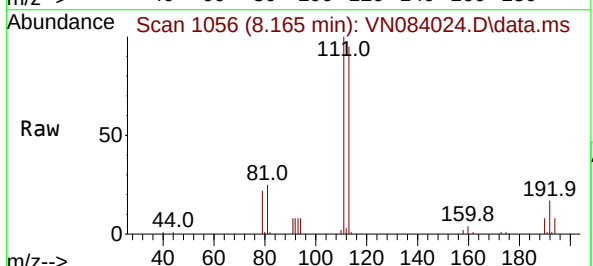
Tgt Ion:113 Resp: 87310

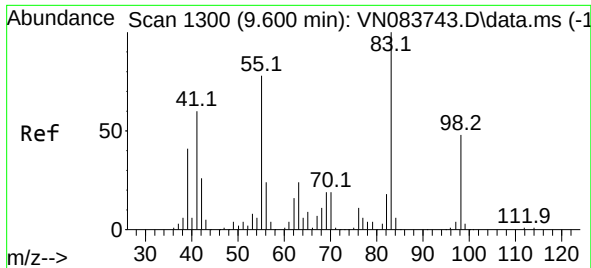
Ion Ratio Lower Upper

113 100

111 105.0 82.6 124.0

192 17.3 14.3 21.5





#39

Methylcyclohexane

Concen: 2.316 ug/l m

RT: 9.594 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN084024.D

Acq: 19 Sep 2024 10:08

Instrument :

MSVOA\_N

ClientSampleId :

SINK-2DL

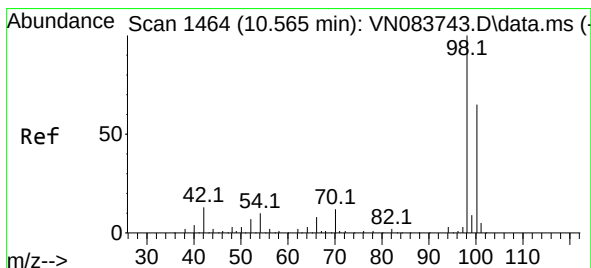
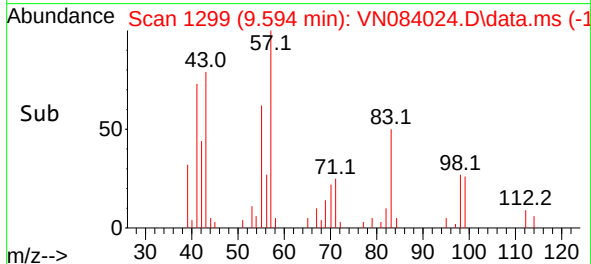
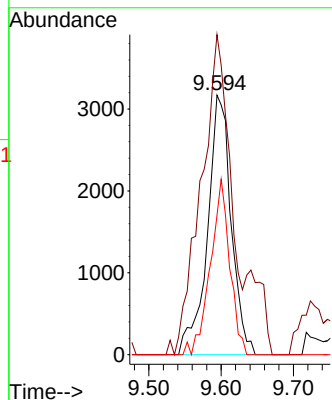
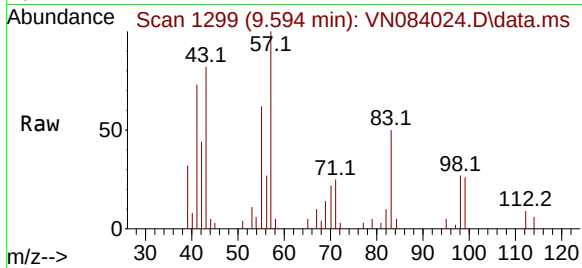
Tgt Ion: 83 Resp: 7235

Ion Ratio Lower Upper

83 100

55 123.3 62.2 93.4#

98 53.7 37.6 56.4



#50

Toluene-d8

Concen: 54.692 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084024.D

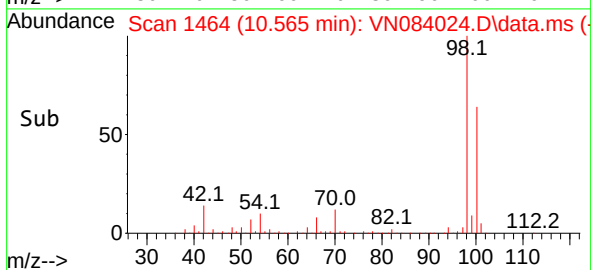
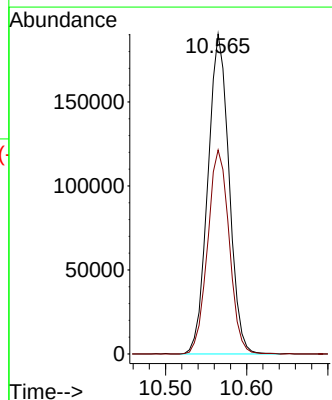
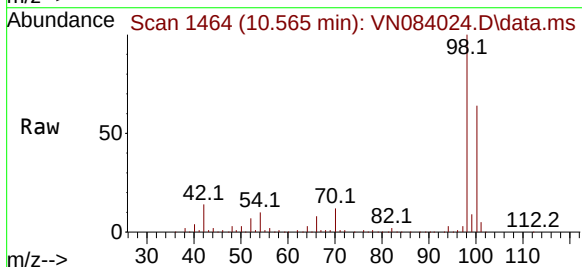
Acq: 19 Sep 2024 10:08

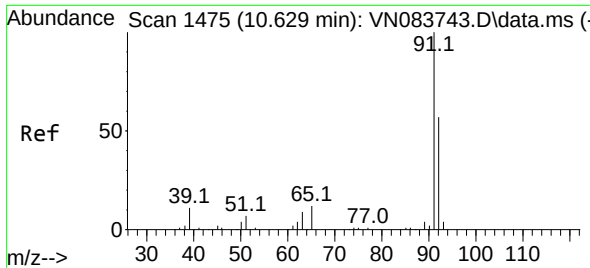
Tgt Ion: 98 Resp: 344809

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

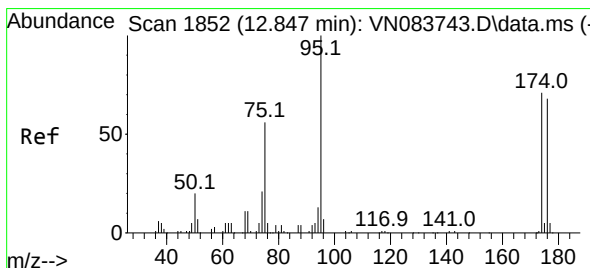
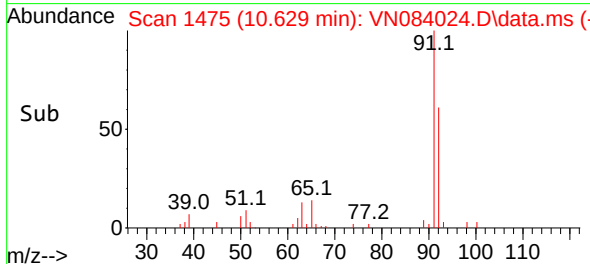
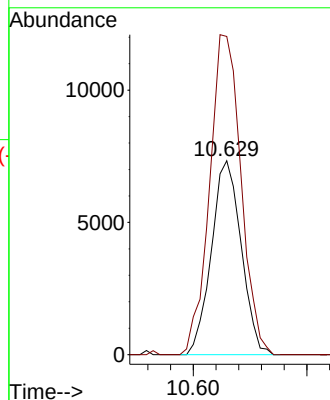
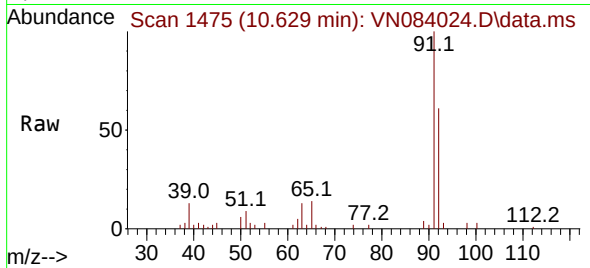




#52  
Toluene  
Concen: 2.641 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

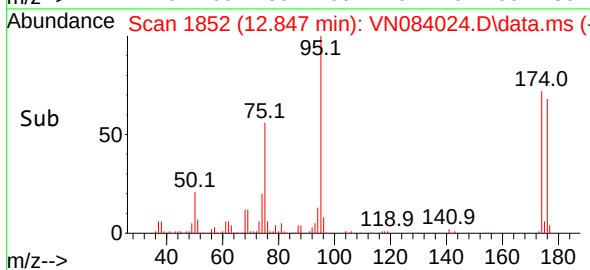
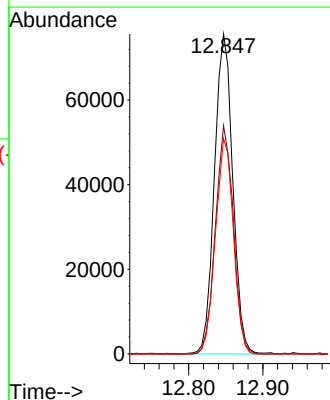
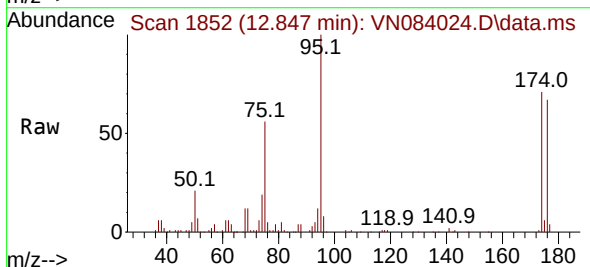
Instrument :  
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SINK-2DL

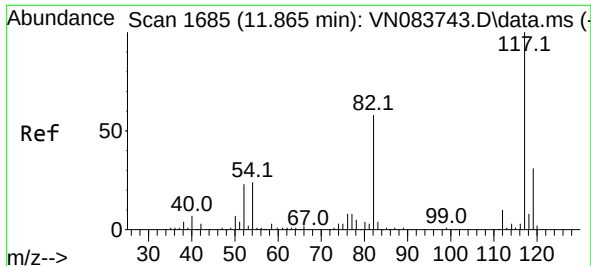
Tgt Ion: 92 Resp: 13344  
Ion Ratio Lower Upper  
92 100  
91 174.1 134.7 202.1



#62  
4-Bromofluorobenzene  
Concen: 49.854 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

Tgt Ion: 95 Resp: 129675  
Ion Ratio Lower Upper  
95 100  
174 70.0 0.0 139.8  
176 66.0 0.0 131.4

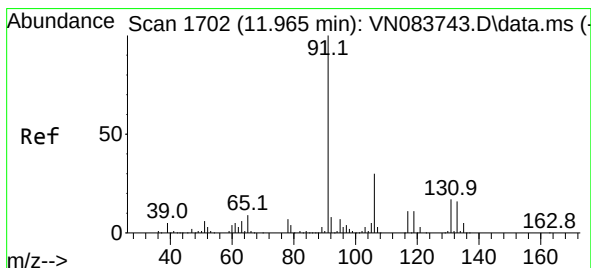
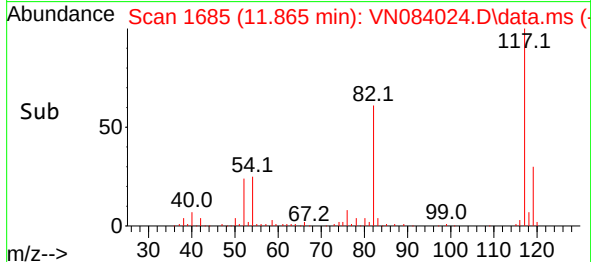
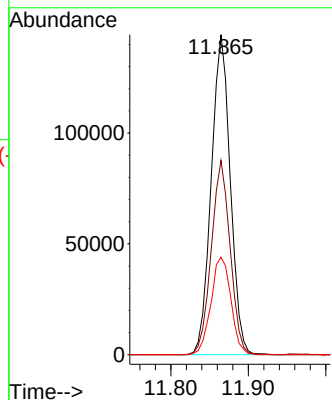
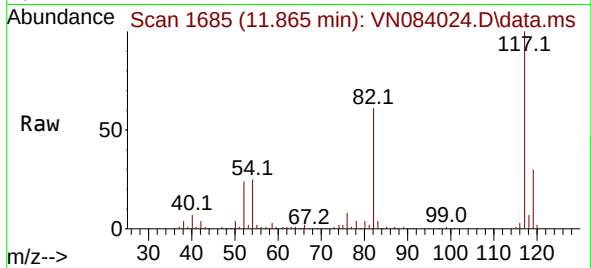




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

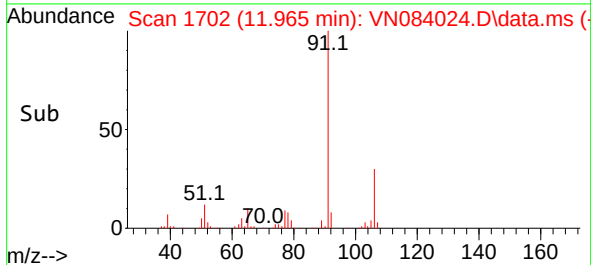
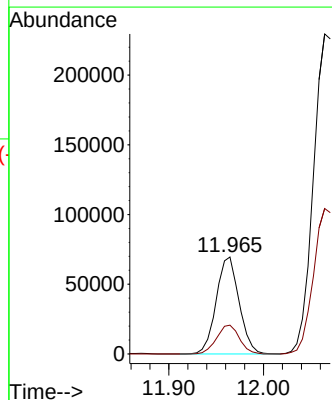
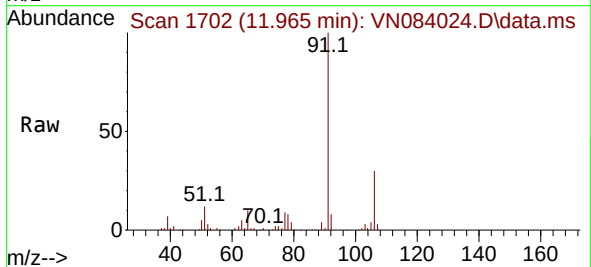
Instrument :  
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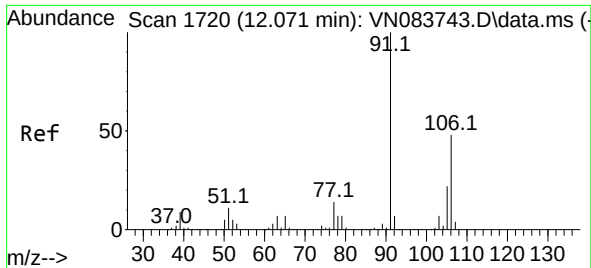
Tgt Ion:117 Resp: 246578  
Ion Ratio Lower Upper  
117 100  
82 60.7 47.4 71.0  
119 30.5 26.3 39.5



#67  
Ethyl Benzene  
Concen: 11.998 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

Tgt Ion: 91 Resp: 116803  
Ion Ratio Lower Upper  
91 100  
106 29.7 24.3 36.5

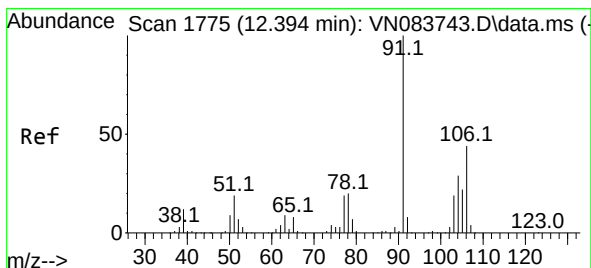
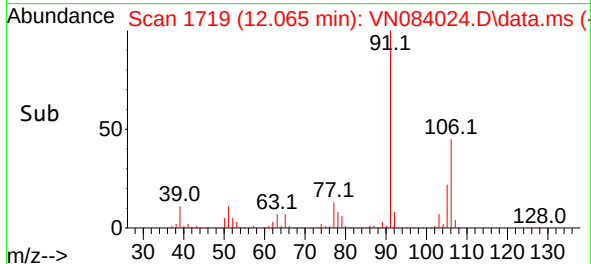
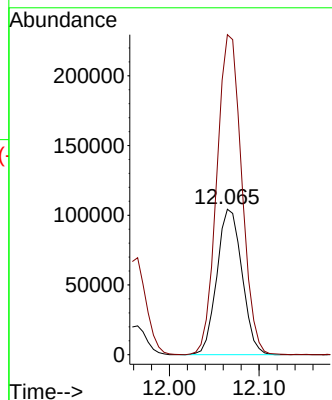
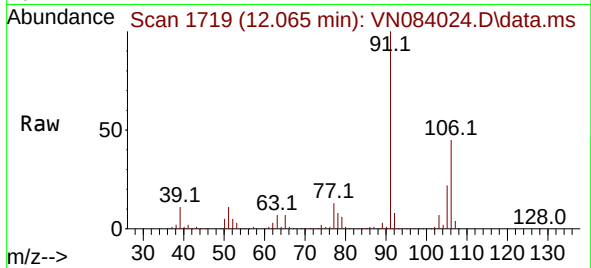




#68  
m/p-Xylenes  
Concen: 56.052 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

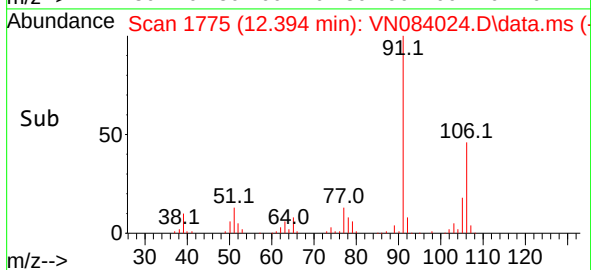
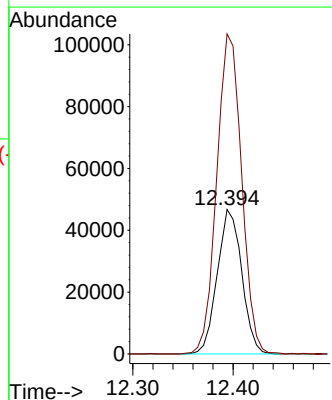
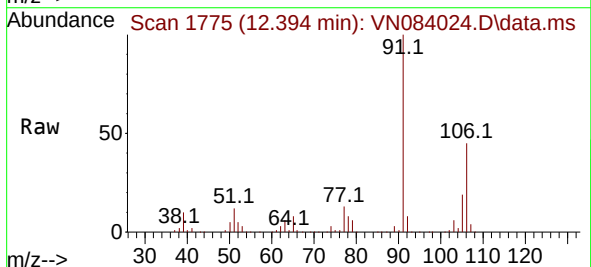
Instrument :  
MSVOA\_N  
ClientSampleId :  
SINK-2DL

Tgt Ion:106 Resp: 202594  
Ion Ratio Lower Upper  
106 100  
91 218.4 169.2 253.8

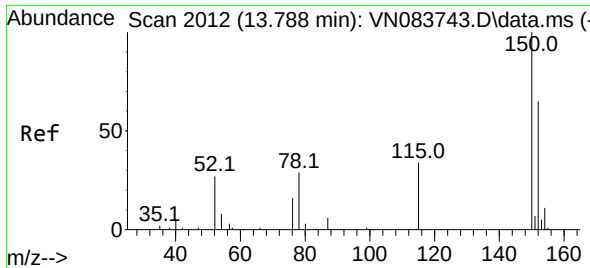


#69  
o-Xylene  
Concen: 22.658 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

Tgt Ion:106 Resp: 79280  
Ion Ratio Lower Upper  
106 100  
91 225.3 112.9 338.6



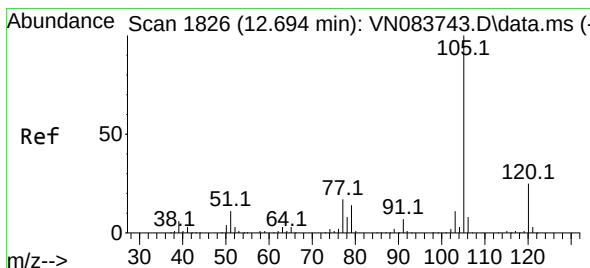
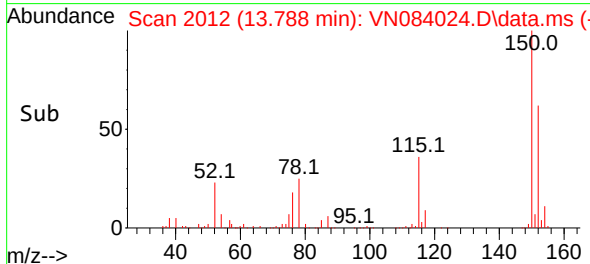
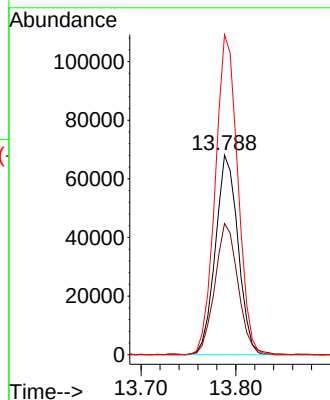
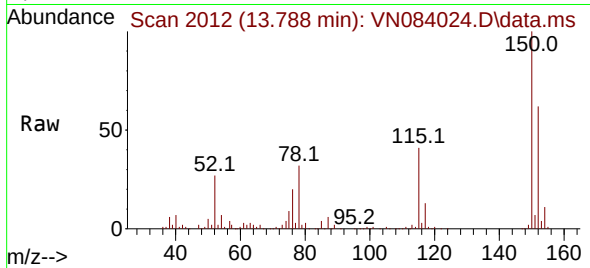




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

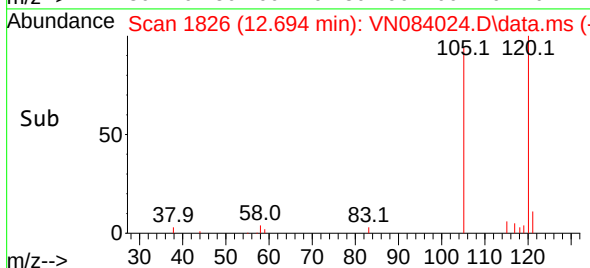
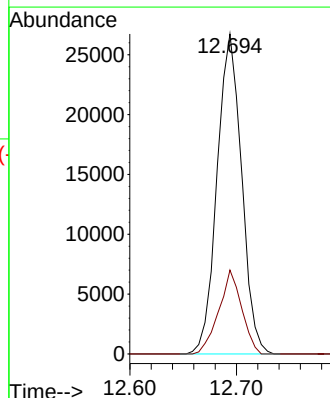
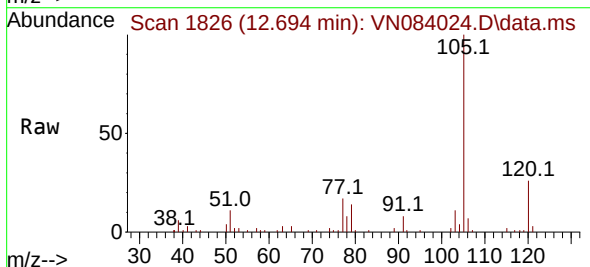
Instrument :  
MSVOA\_N  
ClientSampleId :  
SINK-2DL

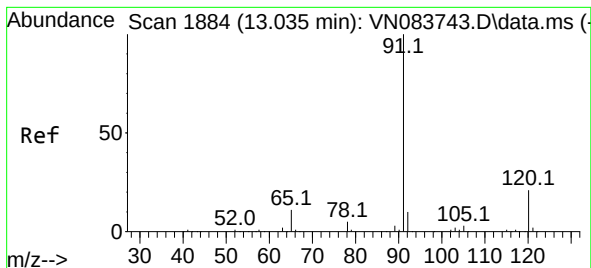
Tgt Ion:152 Resp: 112574  
Ion Ratio Lower Upper  
152 100  
115 68.1 32.2 96.6  
150 160.1 0.0 348.6



#73  
Isopropylbenzene  
Concen: 4.905 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN084024.D  
Acq: 19 Sep 2024 10:08

Tgt Ion:105 Resp: 42722  
Ion Ratio Lower Upper  
105 100  
120 24.4 12.6 37.8





#78

n-propylbenzene

Concen: 7.543 ug/l

RT: 13.035 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084024.D

Acq: 19 Sep 2024 10:08

Instrument :

MSVOA\_N

ClientSampleId :

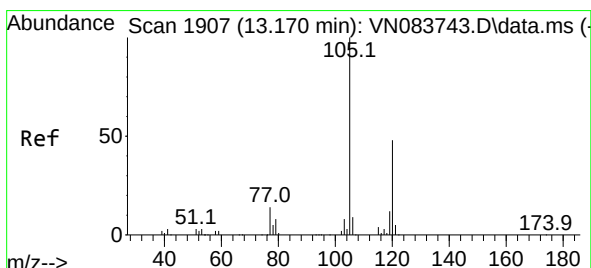
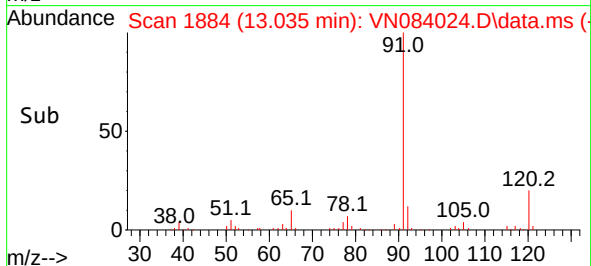
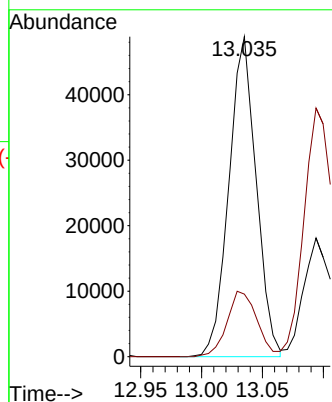
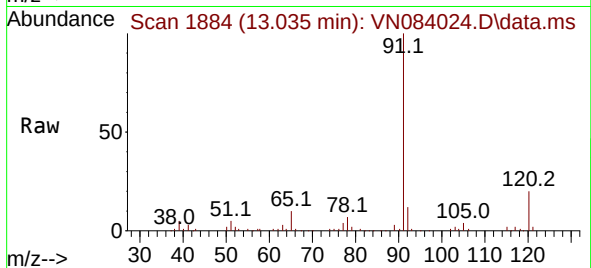
SINK-2DL

Tgt Ion: 91 Resp: 76438

Ion Ratio Lower Upper

91 100

120 22.1 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 12.440 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN084024.D

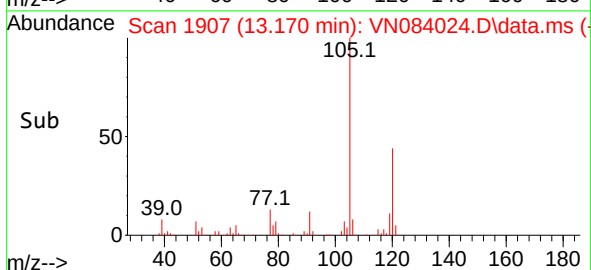
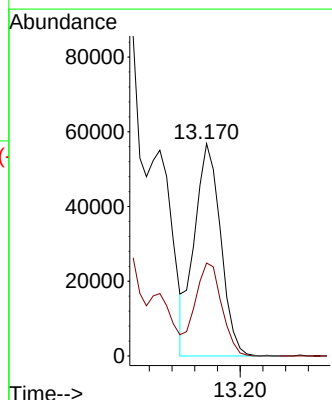
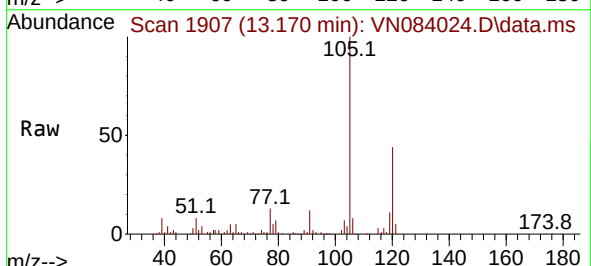
Acq: 19 Sep 2024 10:08

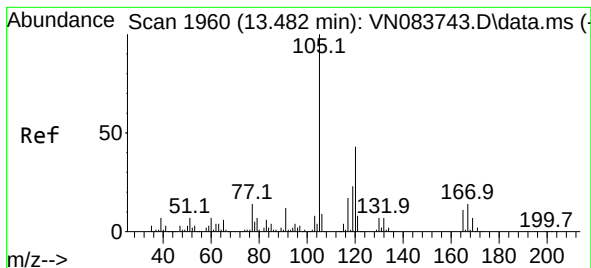
Tgt Ion: 105 Resp: 91344

Ion Ratio Lower Upper

105 100

120 44.7 23.4 70.3





#84

1,2,4-Trimethylbenzene

Concen: 38.948 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN084024.D

Acq: 19 Sep 2024 10:08

Instrument :

MSVOA\_N

ClientSampleId :

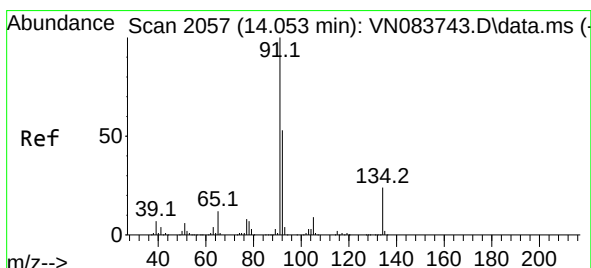
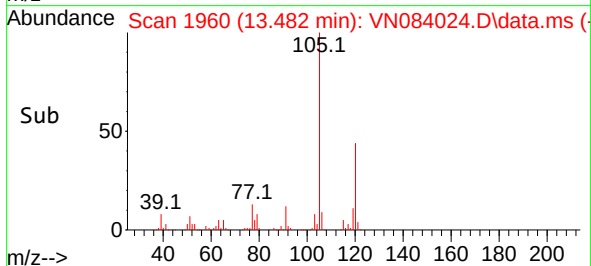
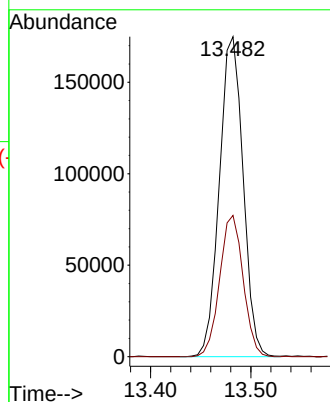
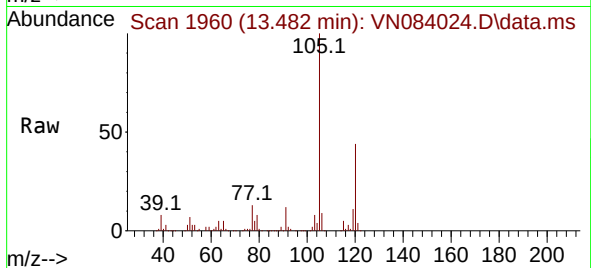
SINK-2DL

Tgt Ion:105 Resp: 287283

Ion Ratio Lower Upper

105 100

120 43.7 21.8 65.4



#89

n-Butylbenzene

Concen: 1.278 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN084024.D

Acq: 19 Sep 2024 10:08

Tgt Ion: 91 Resp: 8193

Ion Ratio Lower Upper

91 100

92 59.6 26.7 80.1

134 0.0 12.2 36.4#

