

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052824\  
 Data File : VN082342.D  
 Acq On : 28 May 2024 13:16  
 Operator : JC\MD  
 Sample : P2617-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 50360

Quant Time: May 29 06:48:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

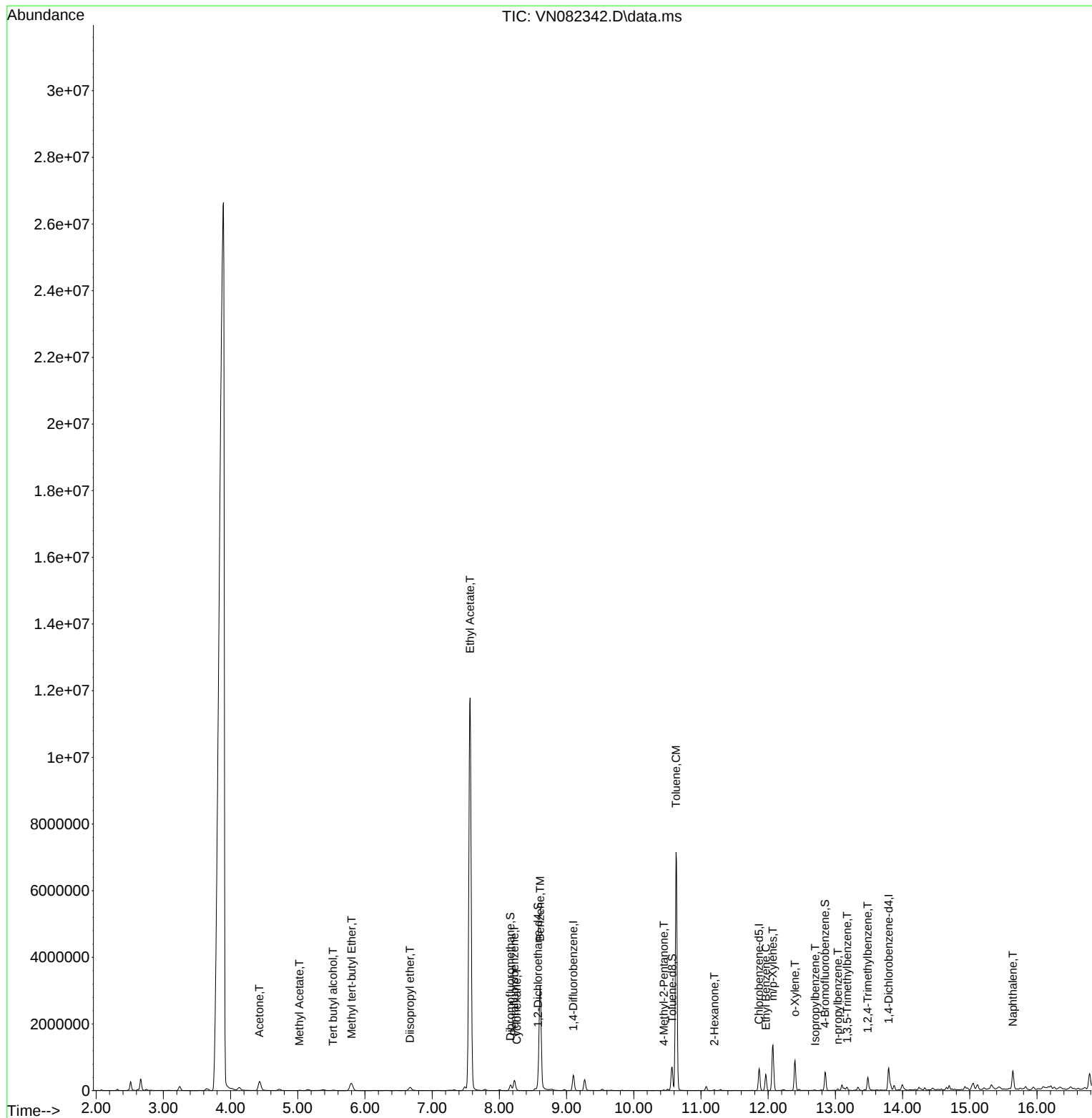
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 213726   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 367835   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 346191   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 168871   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 162325   | 48.099   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 96.200%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 116284   | 51.391   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 102.780% |
| 50) Toluene-d8              | 10.571 | 98    | 458442   | 52.845   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 105.700% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 174945   | 56.500   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =      | 113.000% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.524  | 59    | 26679    | 49.248   | ug/l   | 100      |
| 16) Acetone                 | 4.430  | 43    | 516001   | 372.726  | ug/l   | 90       |
| 18) Methyl Acetate          | 5.024  | 43    | 22760    | 6.602    | ug/l # | 88       |
| 19) Methyl tert-butyl Ether | 5.800  | 73    | 333628   | 39.104   | ug/l   | 93       |
| 22) Diisopropyl ether       | 6.671  | 45    | 117627   | 11.272   | ug/l # | 93       |
| 31) Cyclohexane             | 8.259  | 56    | 16489    | 3.059    | ug/l   | 91       |
| 37) Ethyl Acetate           | 7.565  | 43    | 17753283 | 4180.135 | ug/l   | 98       |
| 40) Benzene                 | 8.606  | 78    | 2988966  | 264.121  | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone    | 10.447 | 43    | 13013    | 3.043    | ug/l # | 75       |
| 52) Toluene                 | 10.629 | 92    | 2966193  | 436.768  | ug/l   | 99       |
| 59) 2-Hexanone              | 11.200 | 43    | 14565    | 4.652    | ug/l   | 80       |
| 67) Ethyl Benzene           | 11.965 | 91    | 331375   | 24.222   | ug/l   | 100      |
| 68) m/p-Xylenes             | 12.070 | 106   | 413927   | 82.552   | ug/l   | 93       |
| 69) o-Xylene                | 12.400 | 106   | 228918   | 47.131   | ug/l   | 91       |
| 73) Isopropylbenzene        | 12.700 | 105   | 10368    | 0.773    | ug/l   | 98       |
| 78) n-propylbenzene         | 13.035 | 91    | 27793    | 1.749    | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 13.176 | 105   | 41840    | 3.857    | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.482 | 105   | 213152   | 19.206   | ug/l   | 98       |
| 95) Naphthalene             | 15.641 | 128   | 485801   | 50.440   | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

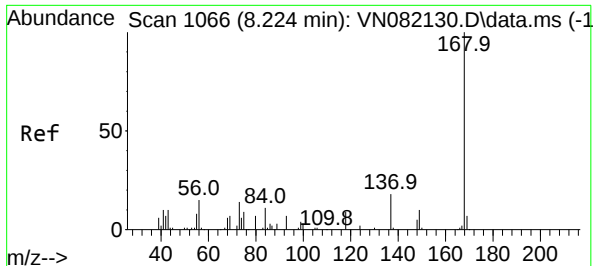
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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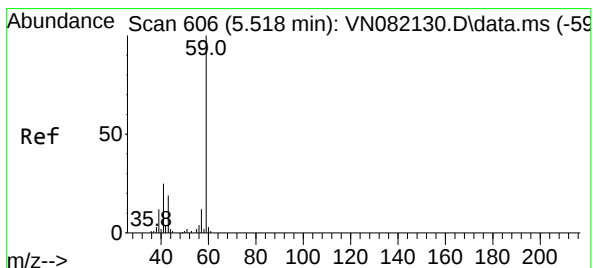
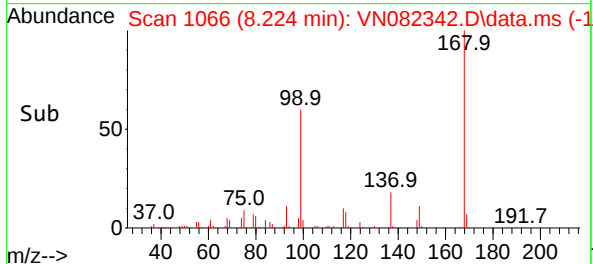
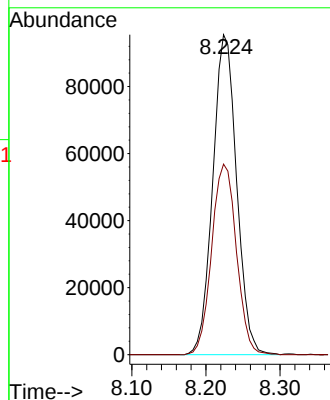
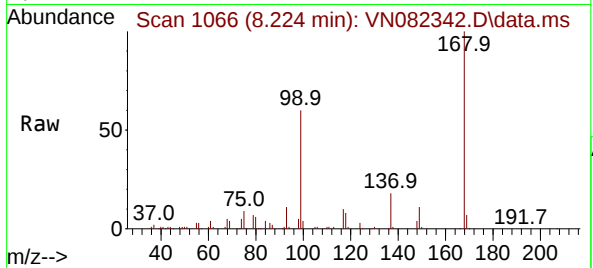




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

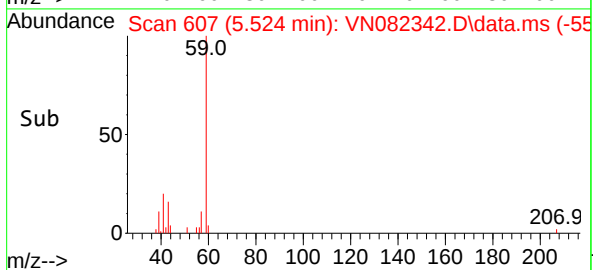
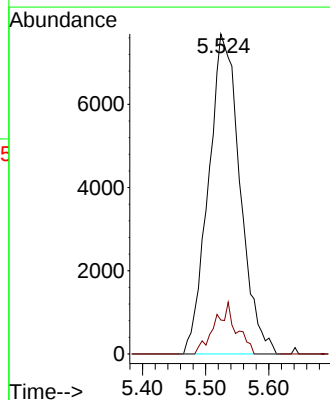
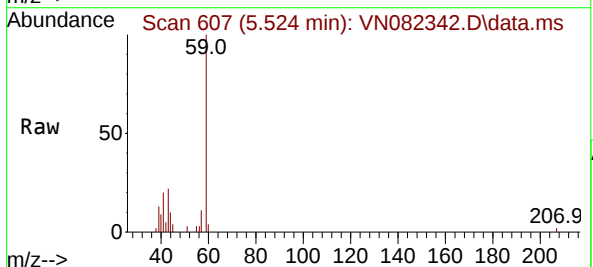
Instrument :  
MSVOA\_N  
ClientSampleId :  
50360

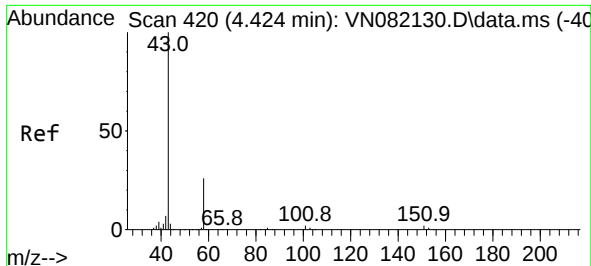
Tgt Ion:168 Resp: 213726  
Ion Ratio Lower Upper  
168 100  
99 59.6 48.2 72.4



#11  
Tert butyl alcohol  
Concen: 49.248 ug/l  
RT: 5.524 min Scan# 607  
Delta R.T. 0.006 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Tgt Ion: 59 Resp: 26679  
Ion Ratio Lower Upper  
59 100  
57 11.1 8.9 13.3

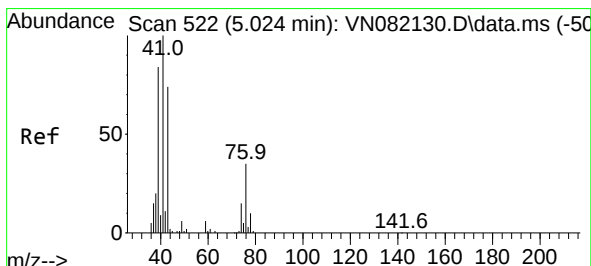
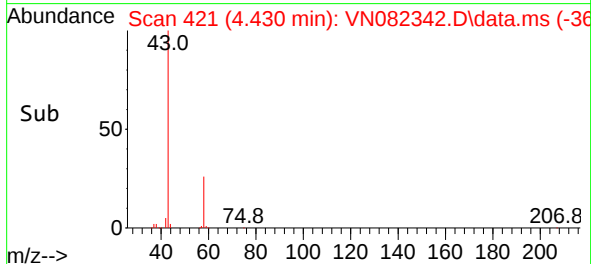
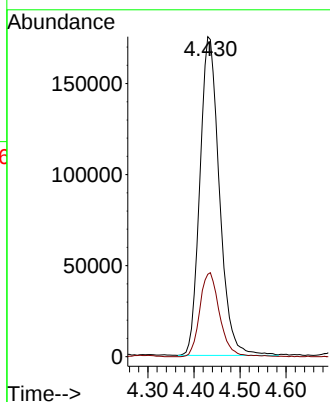
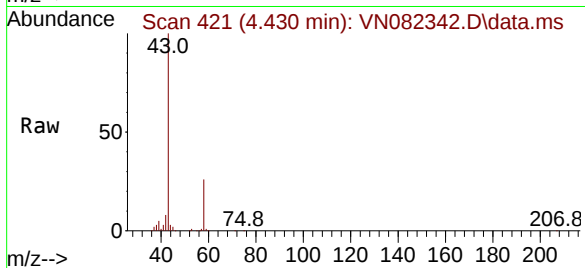




#16  
Acetone  
Concen: 372.726 ug/l  
RT: 4.430 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

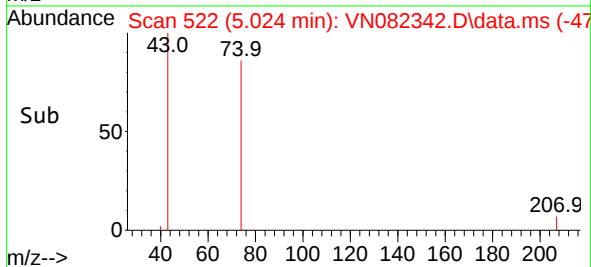
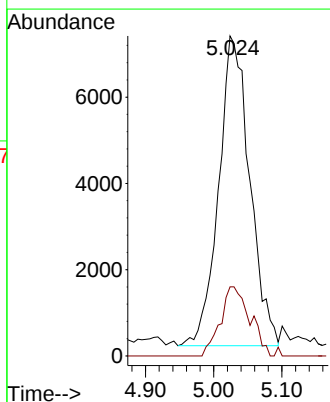
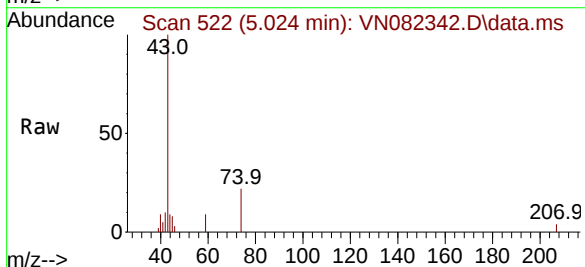
Instrument :  
MSVOA\_N  
ClientSampleId :  
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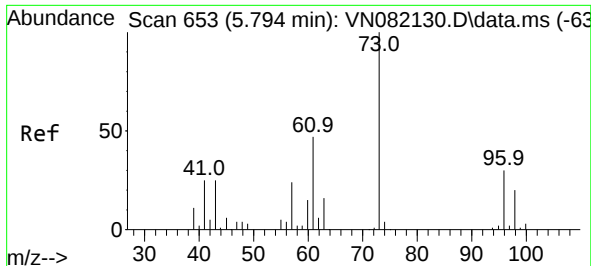
Tgt Ion: 43 Resp: 516001  
Ion Ratio Lower Upper  
43 100  
58 25.9 25.2 37.8



#18  
Methyl Acetate  
Concen: 6.602 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Tgt Ion: 43 Resp: 22760  
Ion Ratio Lower Upper  
43 100  
74 21.2 22.2 33.2#

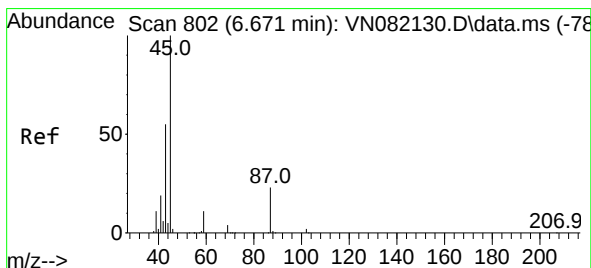
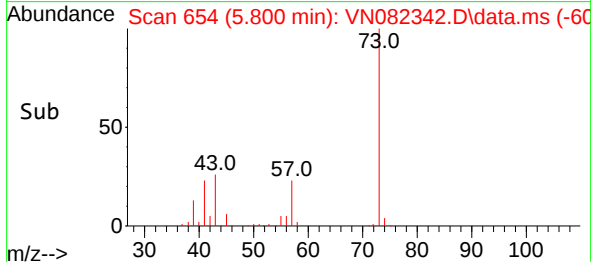
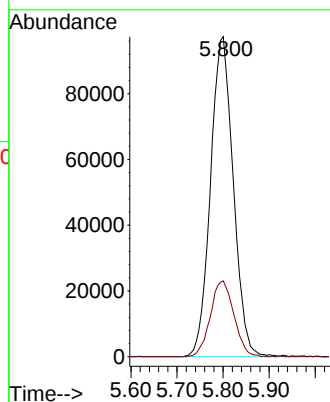
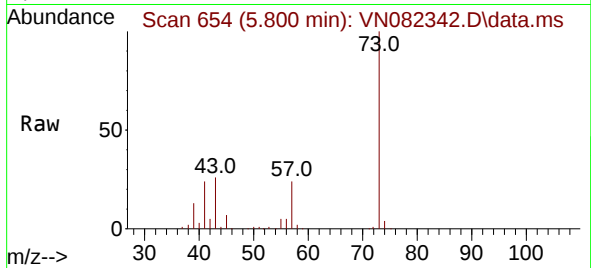




#19  
Methyl tert-butyl Ether  
Concen: 39.104 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

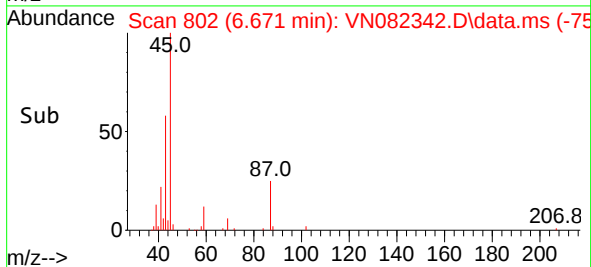
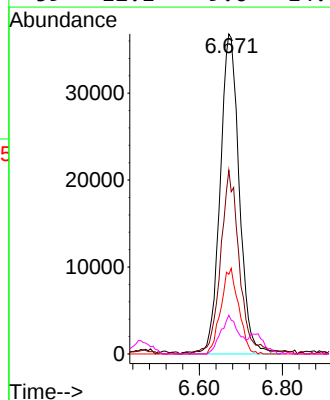
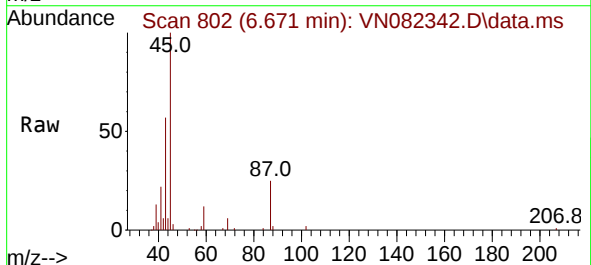
Instrument :  
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ClientSampleId :  
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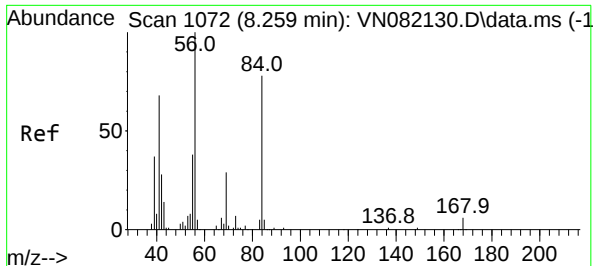
Tgt Ion: 73 Resp: 333628  
Ion Ratio Lower Upper  
73 100  
57 23.7 16.5 24.7



#22  
Diisopropyl ether  
Concen: 11.272 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Tgt Ion: 45 Resp: 117627  
Ion Ratio Lower Upper  
45 100  
43 57.4 44.1 66.1  
87 24.9 27.0 40.6#  
59 12.1 9.6 14.4





#31

Cyclohexane

Concen: 3.059 ug/l

RT: 8.259 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VN082342.D

Acq: 28 May 2024 13:16

Instrument :

MSVOA\_N

ClientSampleId :

50360

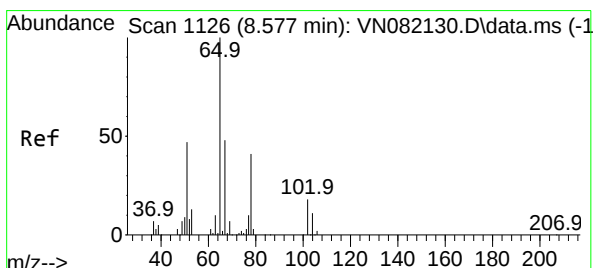
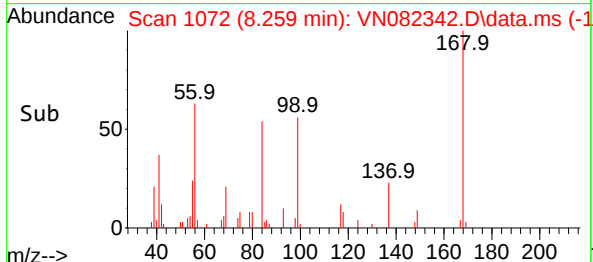
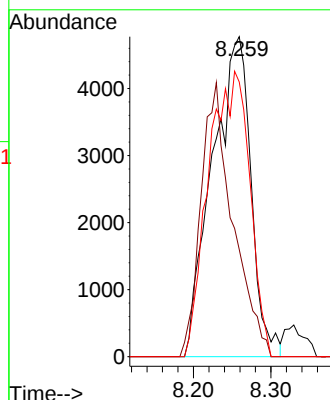
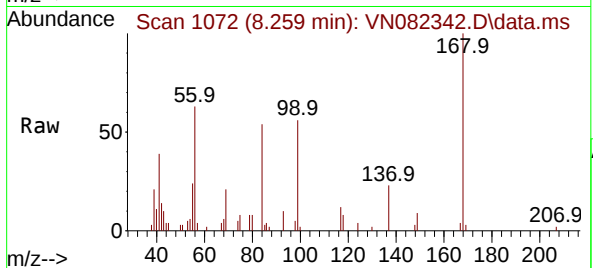
Tgt Ion: 56 Resp: 16489

Ion Ratio Lower Upper

56 100

69 33.5 24.4 36.6

84 85.9 77.0 115.4



#33

1,2-Dichloroethane-d4

Concen: 48.099 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082342.D

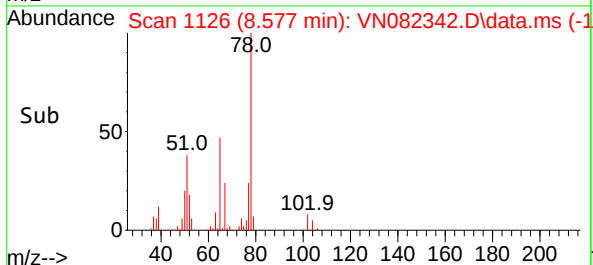
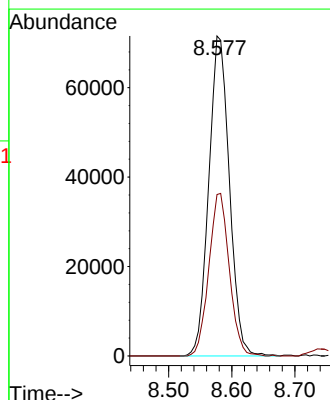
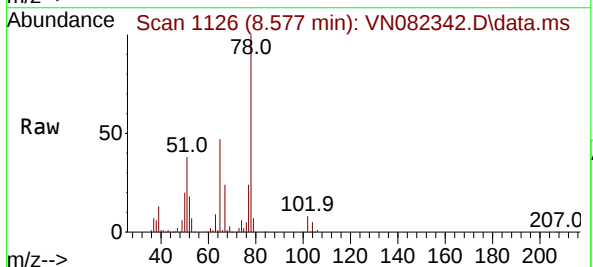
Acq: 28 May 2024 13:16

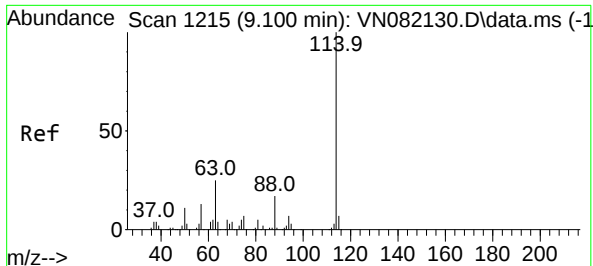
Tgt Ion: 65 Resp: 162325

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN082342.D

Acq: 28 May 2024 13:16

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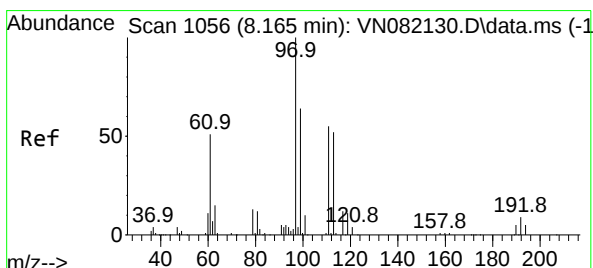
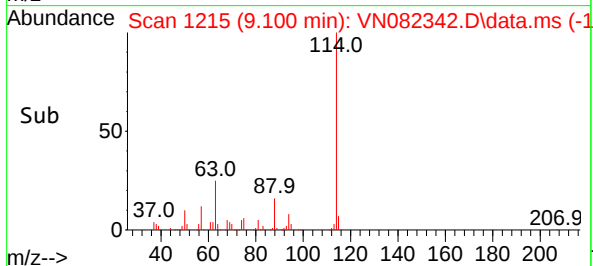
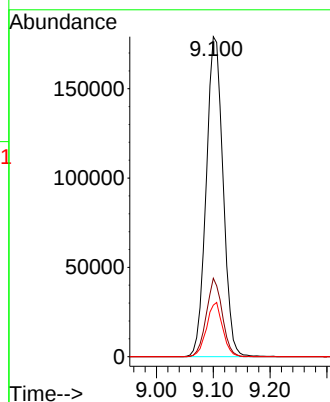
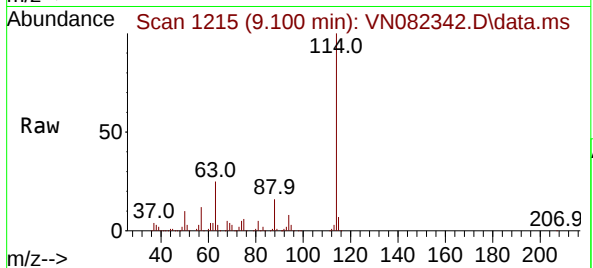
Tgt Ion:114 Resp: 367835

Ion Ratio Lower Upper

114 100

63 24.5 0.0 41.0

88 16.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.391 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082342.D

Acq: 28 May 2024 13:16

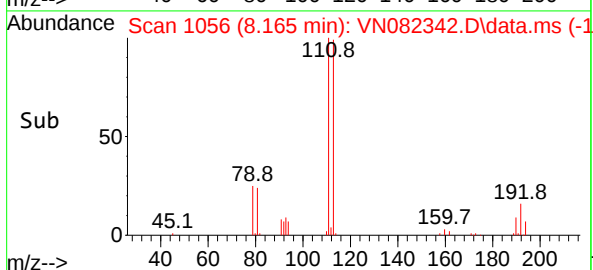
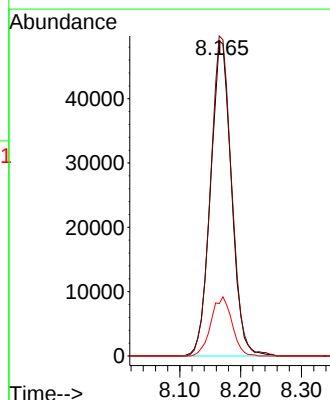
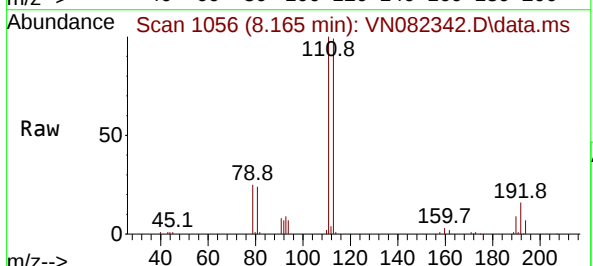
Tgt Ion:113 Resp: 116284

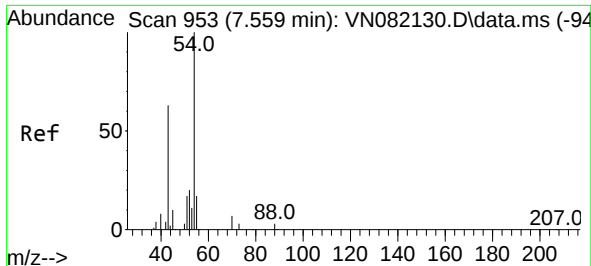
Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

192 19.0 14.0 21.0

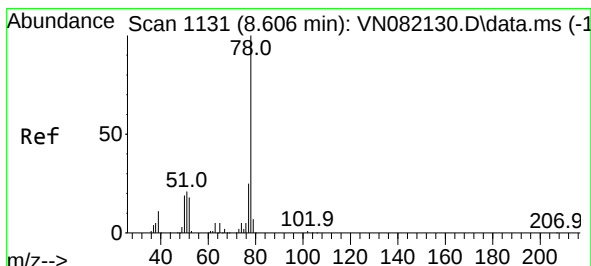
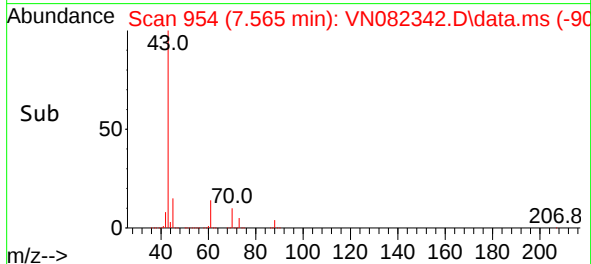
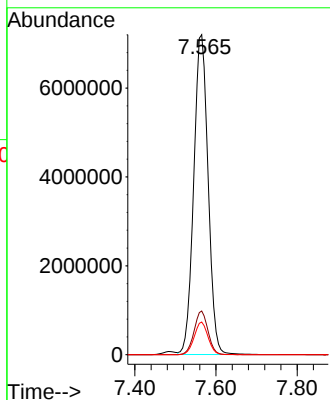
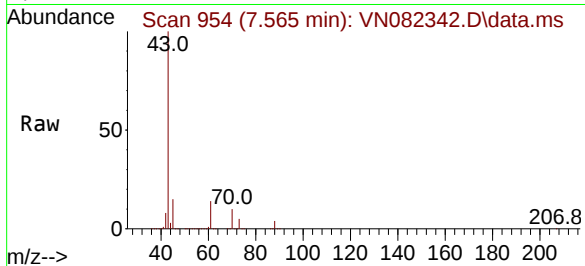




#37  
Ethyl Acetate  
Concen: 4180.135 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

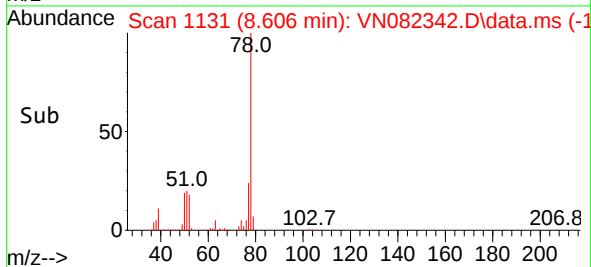
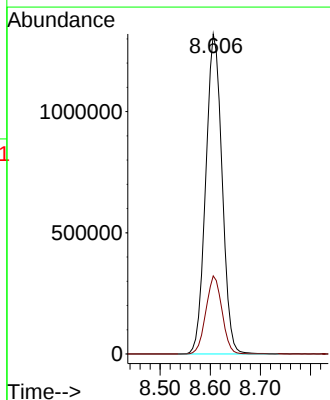
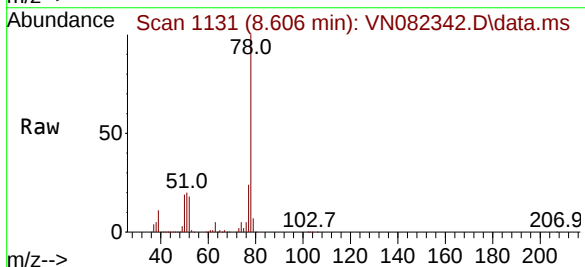
Instrument :  
MSVOA\_N  
ClientSampleId :  
50360

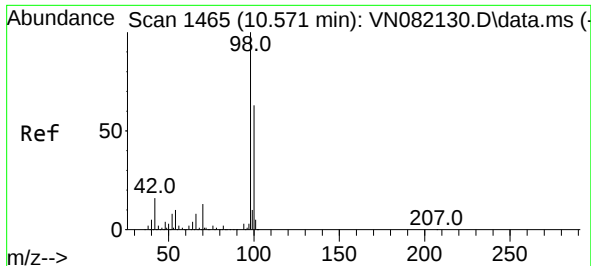
Tgt Ion: 43 Resp:17753283  
Ion Ratio Lower Upper  
43 100  
61 13.2 11.3 16.9  
70 9.9 8.7 13.1



#40  
Benzene  
Concen: 264.121 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Tgt Ion: 78 Resp: 2988966  
Ion Ratio Lower Upper  
78 100  
77 24.4 20.0 30.0

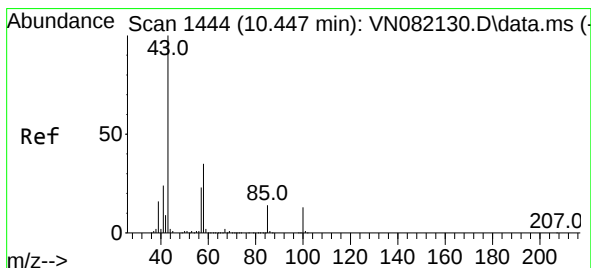
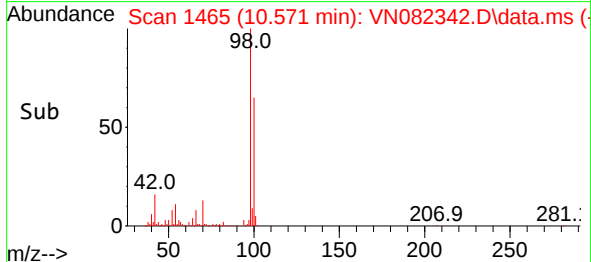
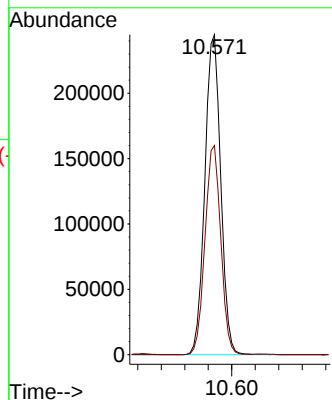
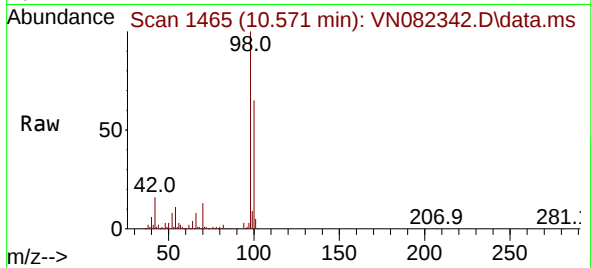




#50  
Toluene-d8  
Concen: 52.845 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

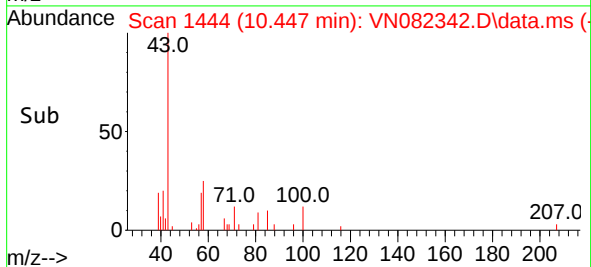
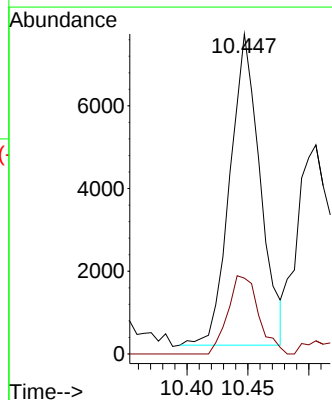
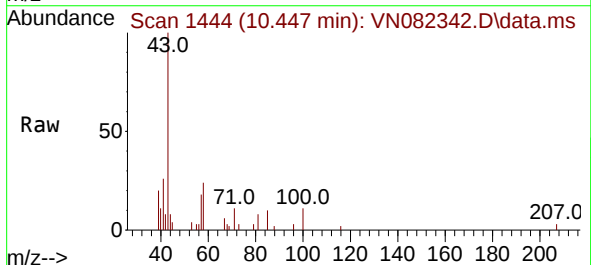
Instrument :  
MSVOA\_N  
ClientSampleId :  
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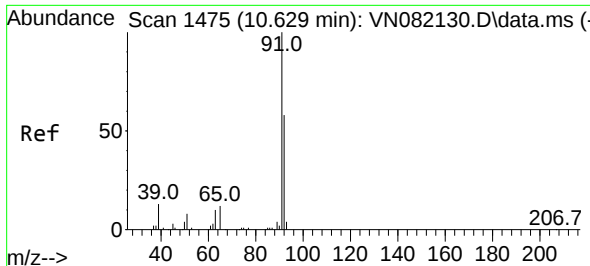
Tgt Ion: 98 Resp: 458442  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 3.043 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Tgt Ion: 43 Resp: 13013  
Ion Ratio Lower Upper  
43 100  
58 25.5 33.2 49.8#

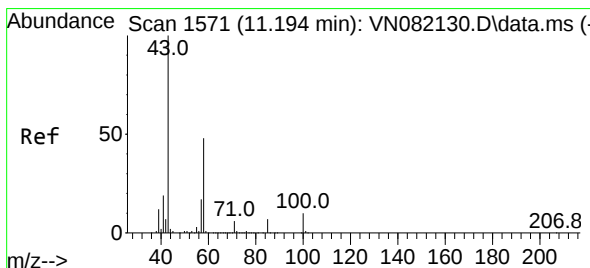
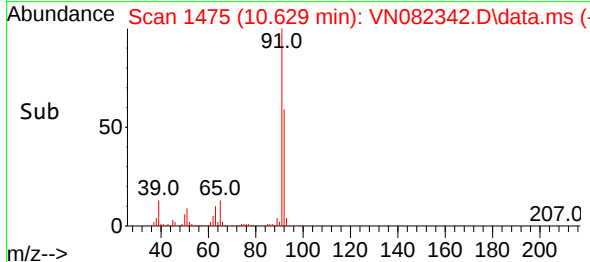
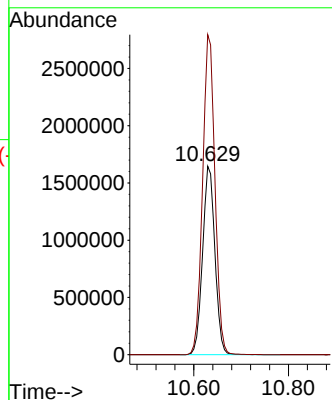
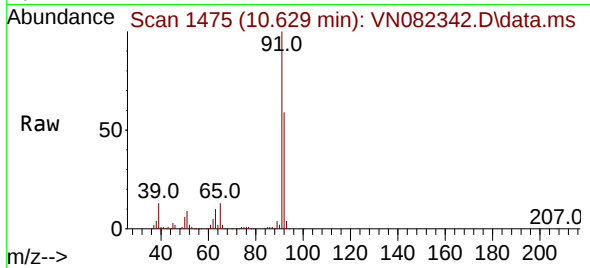




#52  
Toluene  
Concen: 436.768 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

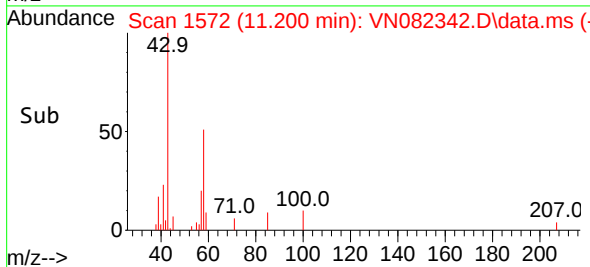
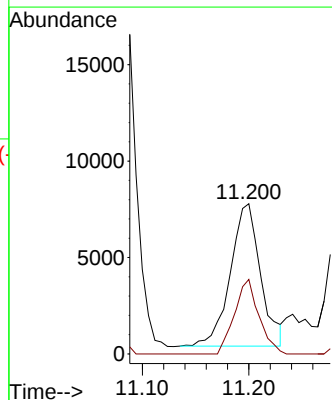
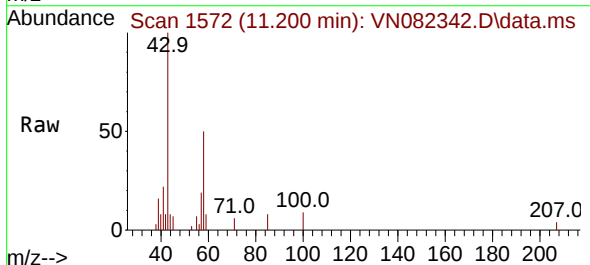
Instrument :  
MSVOA\_N  
ClientSampleId :  
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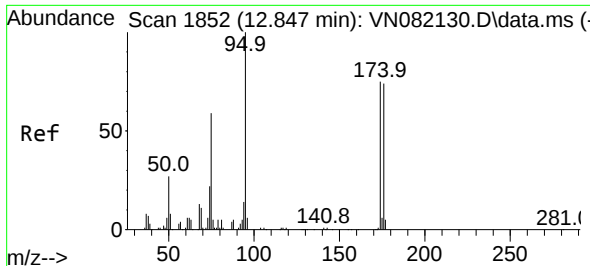
Tgt Ion: 92 Resp: 2966193  
Ion Ratio Lower Upper  
92 100  
91 170.1 136.7 205.1



#59  
2-Hexanone  
Concen: 4.652 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.006 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Tgt Ion: 43 Resp: 14565  
Ion Ratio Lower Upper  
43 100  
58 42.3 28.3 84.9

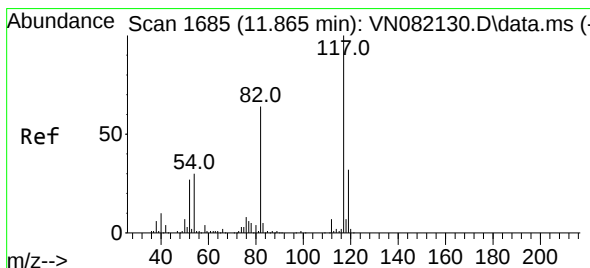
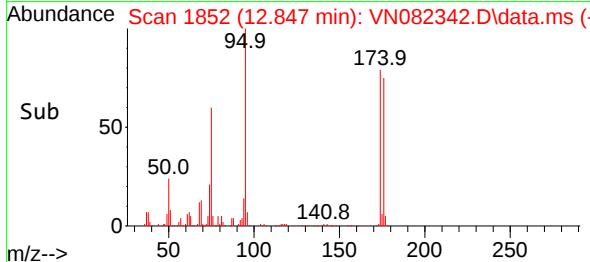
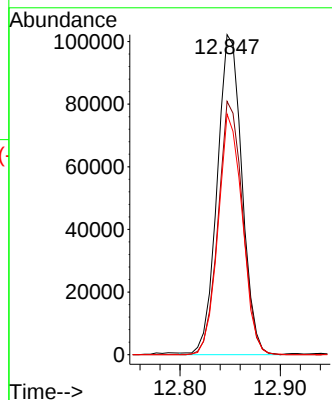
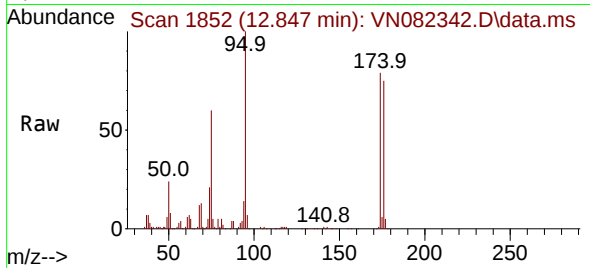




#62  
4-Bromofluorobenzene  
Concen: 56.500 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

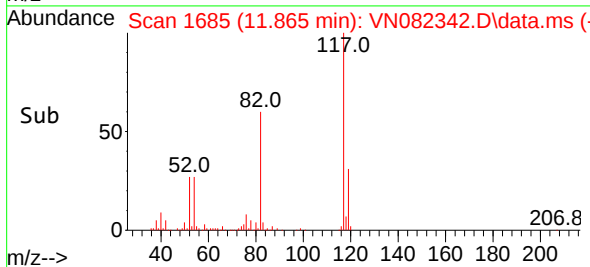
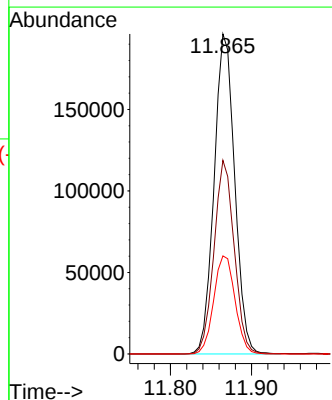
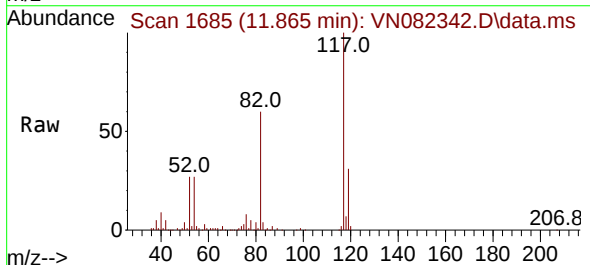
Instrument :  
MSVOA\_N  
ClientSampleId :  
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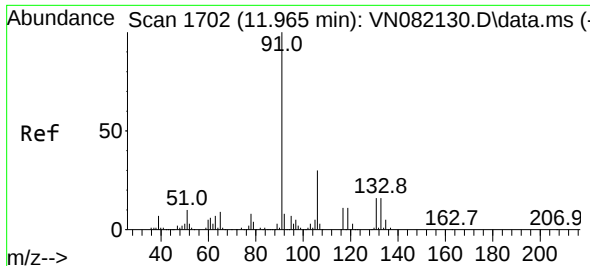
Tgt Ion: 95 Resp: 174945  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 160.6  
176 73.6 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Tgt Ion: 117 Resp: 346191  
Ion Ratio Lower Upper  
117 100  
82 60.5 44.6 66.8  
119 30.7 25.9 38.9

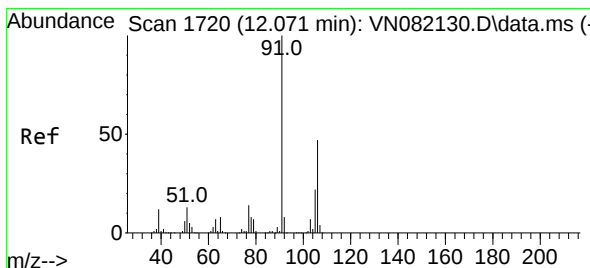
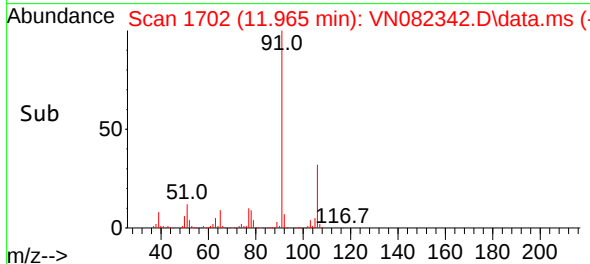
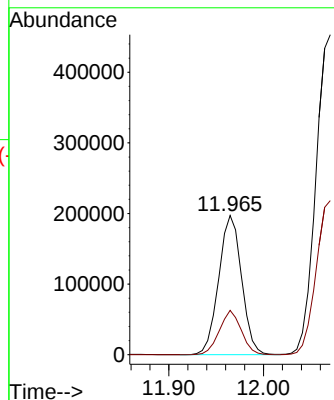
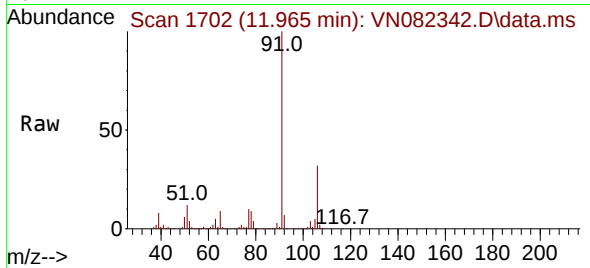




#67  
Ethyl Benzene  
Concen: 24.222 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

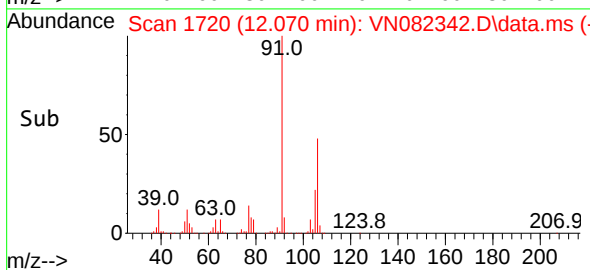
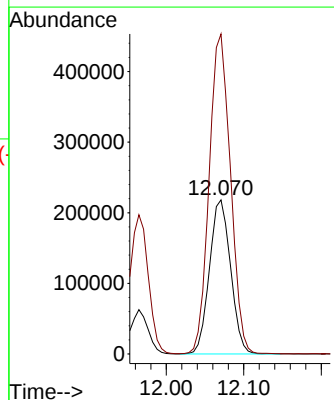
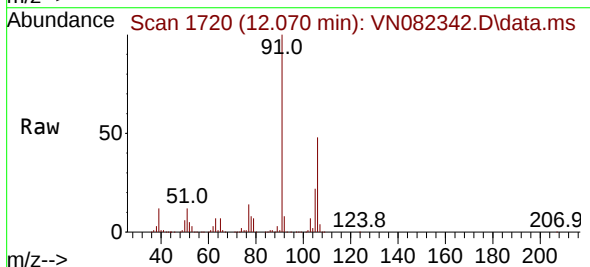
Instrument :  
MSVOA\_N  
ClientSampleId :  
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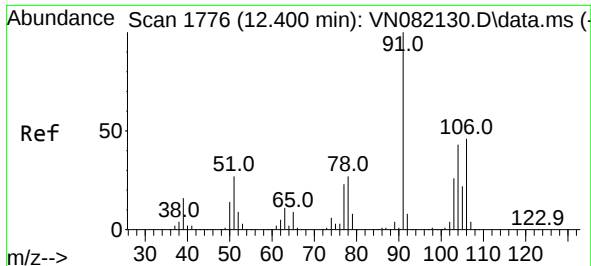
Tgt Ion: 91 Resp: 331375  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.3 37.9



#68  
m/p-Xylenes  
Concen: 82.552 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Tgt Ion:106 Resp: 413927  
Ion Ratio Lower Upper  
106 100  
91 209.3 159.4 239.0

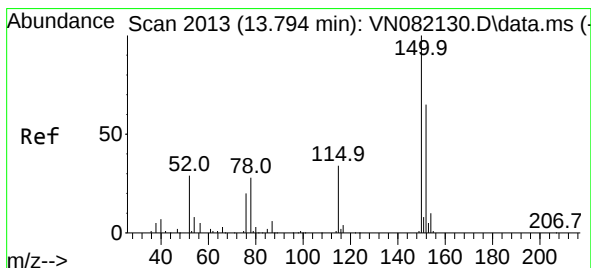
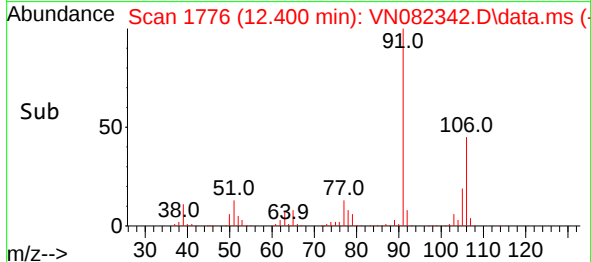
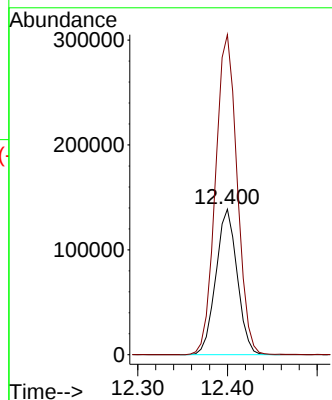
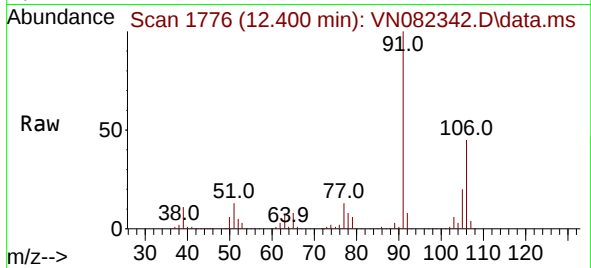




#69  
o-Xylene  
Concen: 47.131 ug/l  
RT: 12.400 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

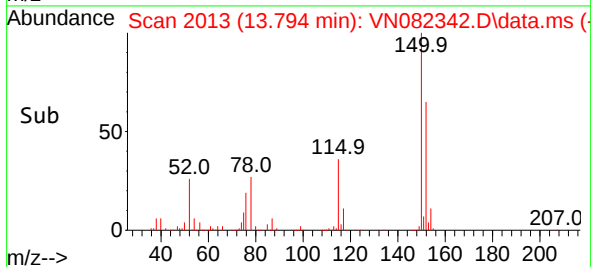
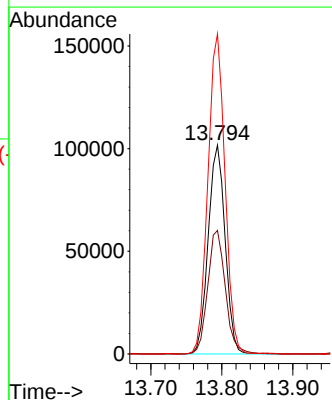
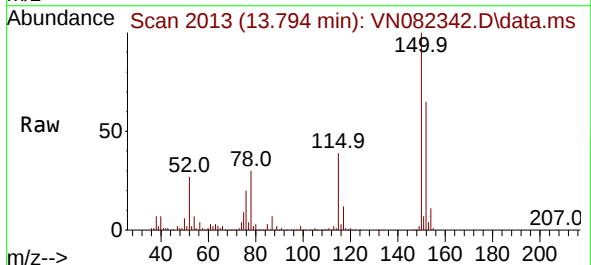
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ClientSampleId :  
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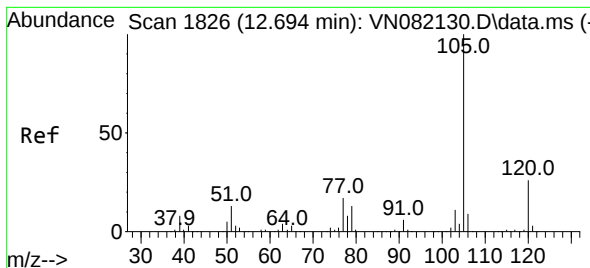
Tgt Ion:106 Resp: 228918  
Ion Ratio Lower Upper  
106 100  
91 223.3 104.7 314.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Tgt Ion:152 Resp: 168871  
Ion Ratio Lower Upper  
152 100  
115 61.7 30.4 91.3  
150 154.4 0.0 353.2





#73

Isopropylbenzene

Concen: 0.773 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.006 min

Lab File: VN082342.D

Acq: 28 May 2024 13:16

Instrument :

MSVOA\_N

ClientSampleId :

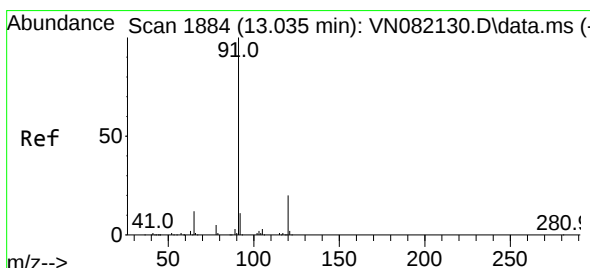
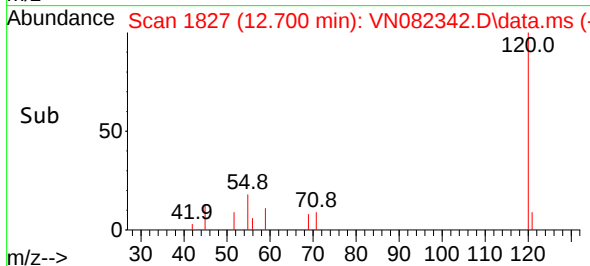
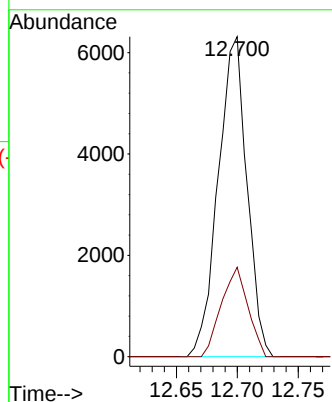
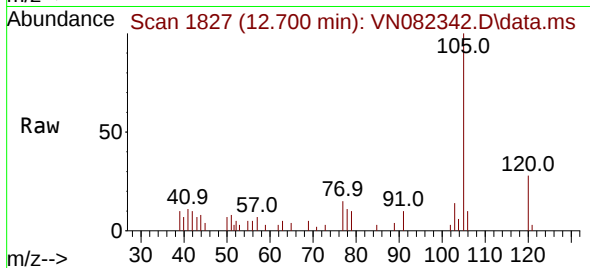
50360

Tgt Ion:105 Resp: 10368

Ion Ratio Lower Upper

105 100

120 25.9 13.4 40.1



#78

n-propylbenzene

Concen: 1.749 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN082342.D

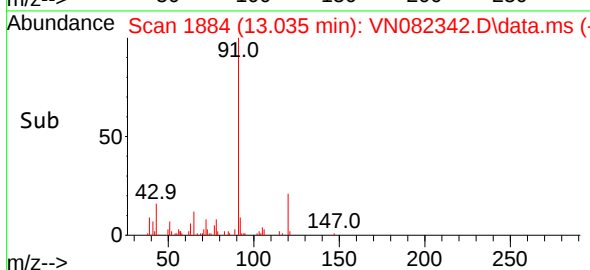
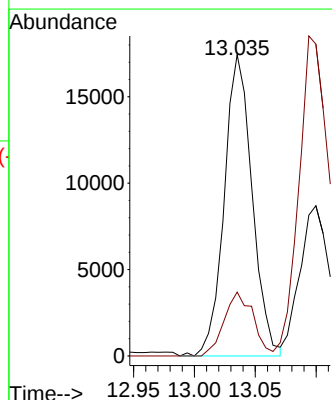
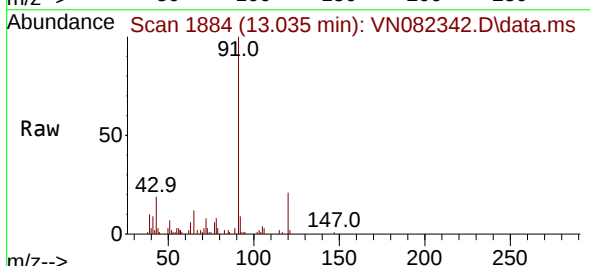
Acq: 28 May 2024 13:16

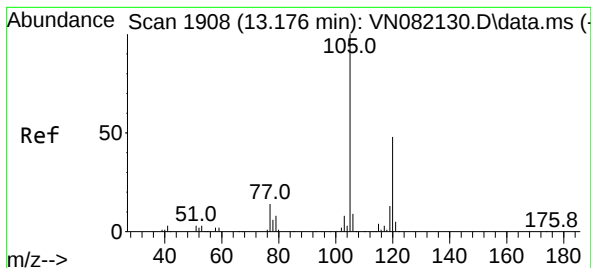
Tgt Ion: 91 Resp: 27793

Ion Ratio Lower Upper

91 100

120 22.1 11.7 35.0





#80

1,3,5-Trimethylbenzene

Concen: 3.857 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN082342.D

Acq: 28 May 2024 13:16

Instrument :

MSVOA\_N

ClientSampleId :

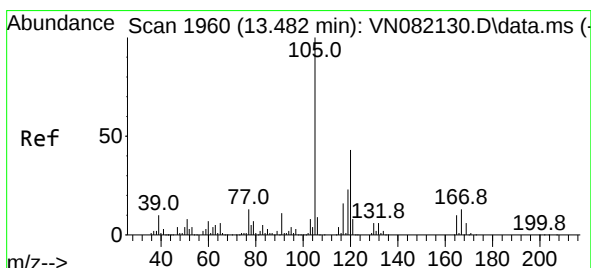
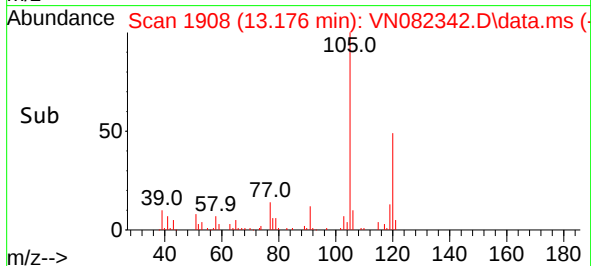
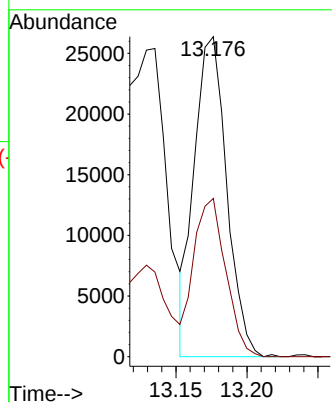
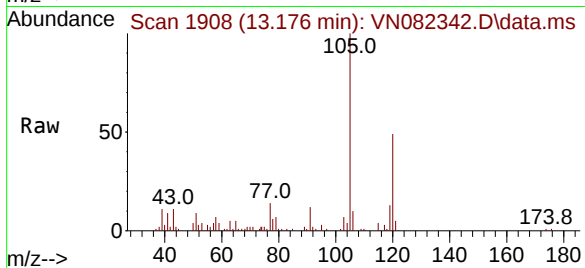
50360

Tgt Ion:105 Resp: 41840

Ion Ratio Lower Upper

105 100

120 48.9 24.8 74.3



#84

1,2,4-Trimethylbenzene

Concen: 19.206 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN082342.D

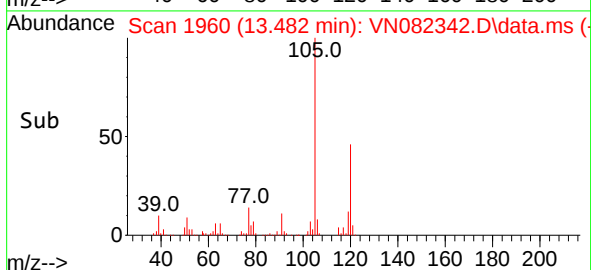
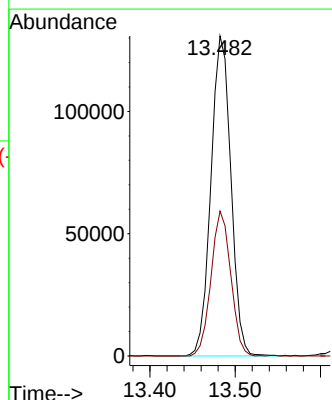
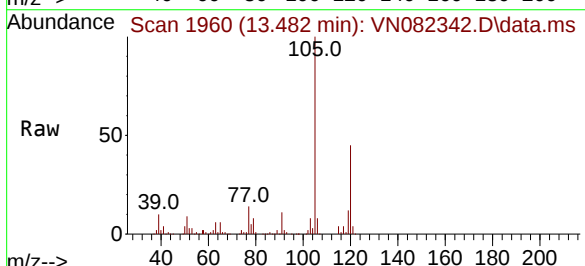
Acq: 28 May 2024 13:16

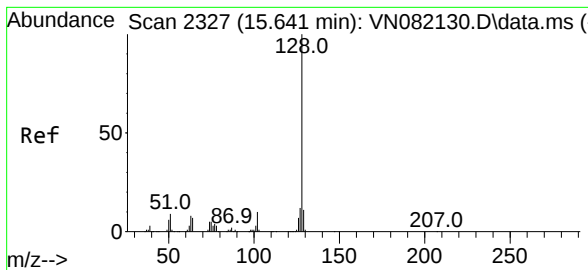
Tgt Ion:105 Resp: 213152

Ion Ratio Lower Upper

105 100

120 44.7 22.9 68.7





#95  
Naphthalene  
Concen: 50.440 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN082342.D  
Acq: 28 May 2024 13:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
50360

Tgt Ion:128 Resp: 485801  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.1 15.1  
129 11.3 8.9 13.3

