

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052124\  
 Data File : VN082270.D  
 Acq On : 22 May 2024 03:57  
 Operator : JC\MD  
 Sample : P2494-10 40X  
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 10

Quant Time: May 22 04:39:41 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

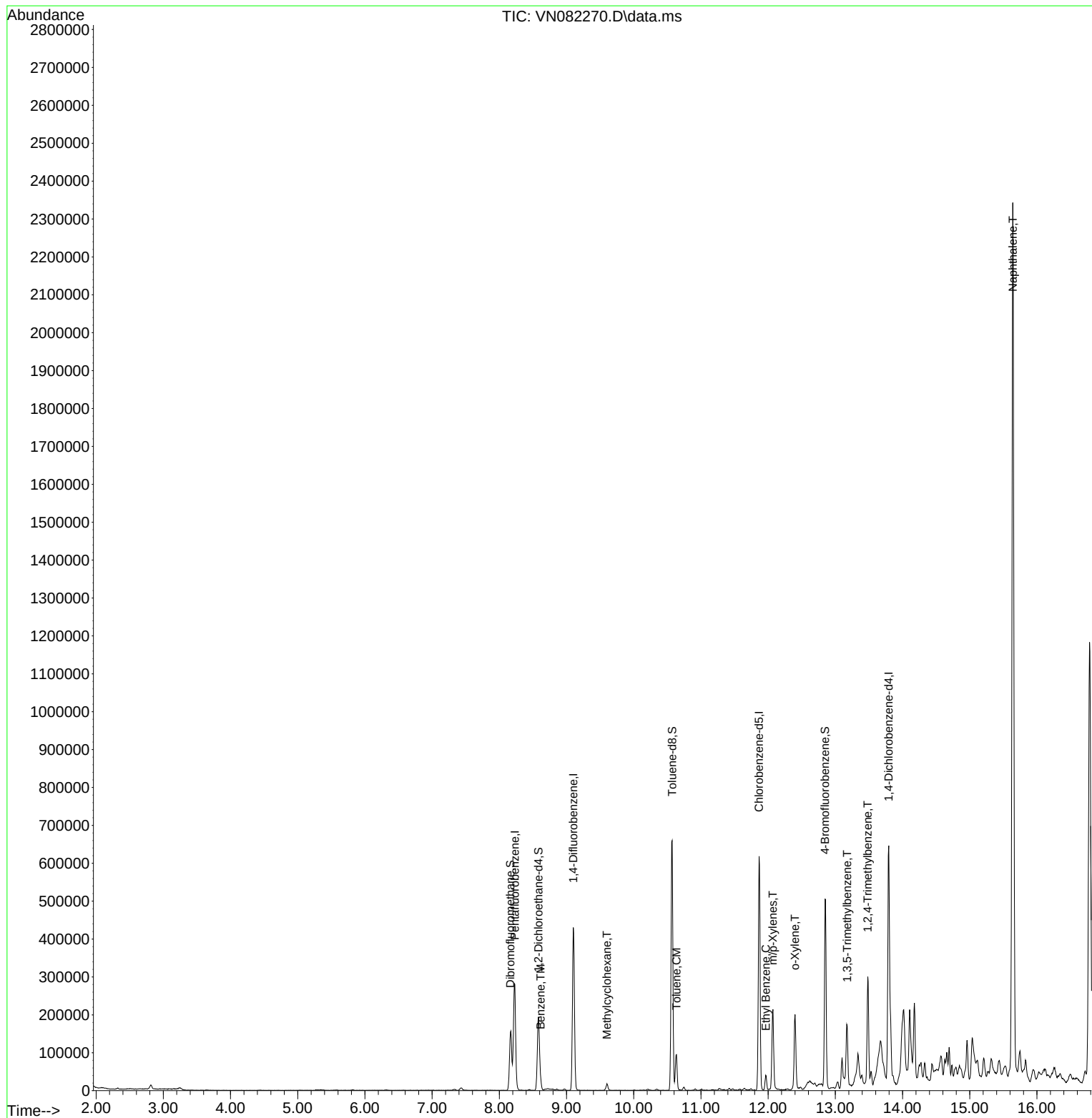
| Compound                    | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                       |           |                |          |            |        |          |
| Internal Standards          |           |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.230     | 168            | 194725   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114            | 342772   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117            | 327339   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152            | 154414   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65             | 154700   | 50.313     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | = 100.620% |        |          |
| 35) Dibromofluoromethane    | 8.165     | 113            | 110278   | 52.300     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | = 104.600% |        |          |
| 50) Toluene-d8              | 10.571    | 98             | 432838   | 53.542     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | = 107.080% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847    | 95             | 163771   | 56.758     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 64 - 133 | Recovery | = 113.520% |        |          |
| Target Compounds            |           |                |          |            |        |          |
|                             |           |                |          |            | Qvalue |          |
| 39) Methylcyclohexane       | 9.600     | 83             | 6141     | 1.584      | ug/l # | 65       |
| 40) Benzene                 | 8.612     | 78             | 22017    | 2.088      | ug/l   | 100      |
| 52) Toluene                 | 10.635    | 92             | 39383    | 6.223      | ug/l   | 97       |
| 67) Ethyl Benzene           | 11.965    | 91             | 25682    | 1.985      | ug/l   | 99       |
| 68) m/p-Xylenes             | 12.071    | 106            | 57837    | 12.199     | ug/l   | 90       |
| 69) o-Xylene                | 12.400    | 106            | 49254    | 10.725     | ug/l   | 89       |
| 80) 1,3,5-Trimethylbenzene  | 13.176    | 105            | 78522    | 7.916      | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.482    | 105            | 156797   | 15.451     | ug/l   | 97       |
| 95) Naphthalene             | 15.641    | 128            | 2046197  | 232.343    | ug/l   | 99       |
| -----                       |           |                |          |            |        |          |

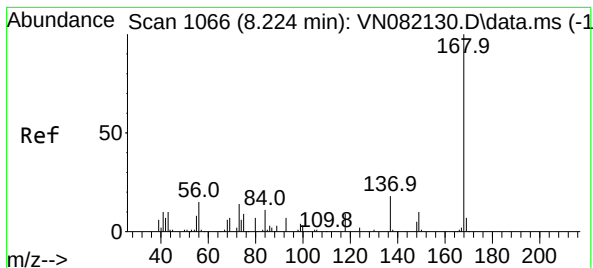
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

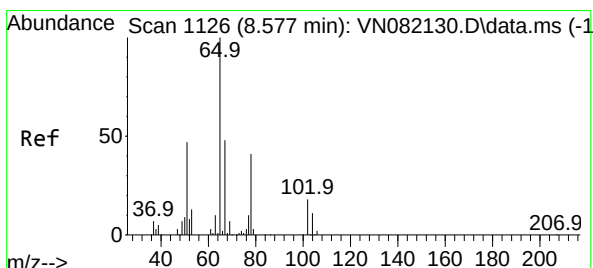
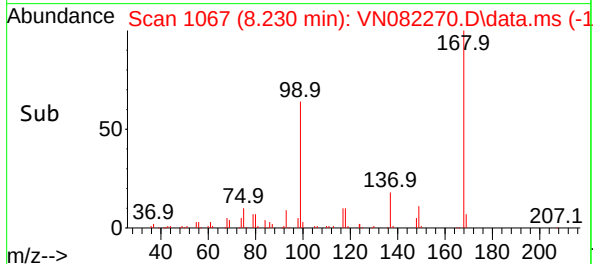
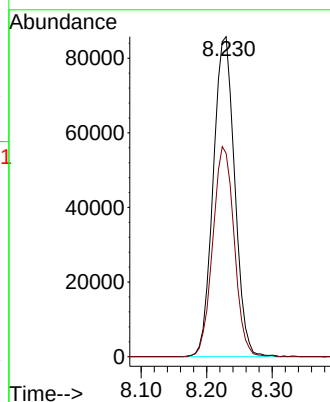
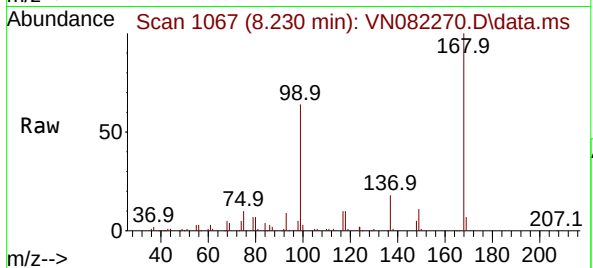




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

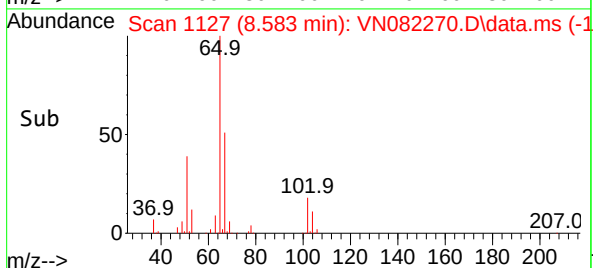
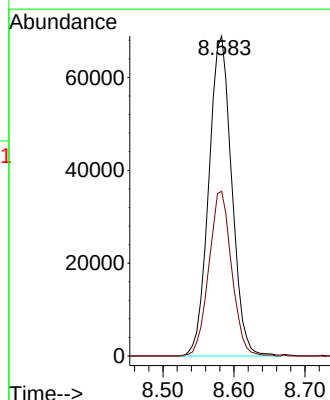
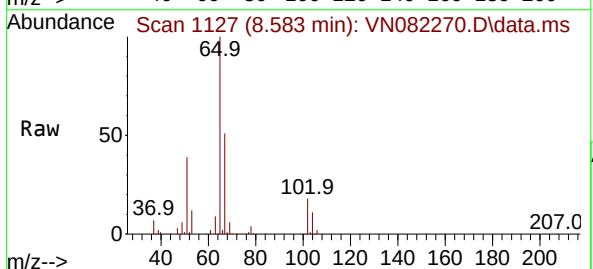
Instrument :  
MSVOA\_N  
ClientSampleId :  
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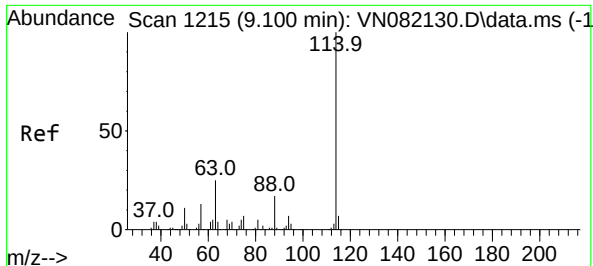
Tgt Ion:168 Resp: 194725  
Ion Ratio Lower Upper  
168 100  
99 63.5 48.2 72.4



#33  
1,2-Dichloroethane-d4  
Concen: 50.313 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

Tgt Ion: 65 Resp: 154700  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082270.D

Acq: 22 May 2024 03:57

Instrument :

MSVOA\_N

ClientSampleId :

10

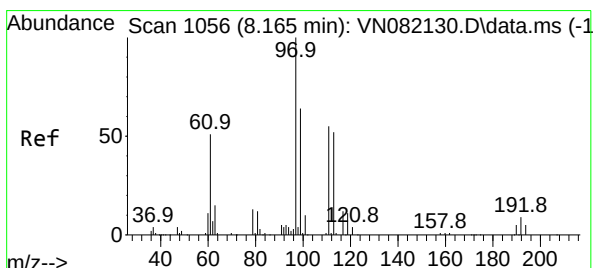
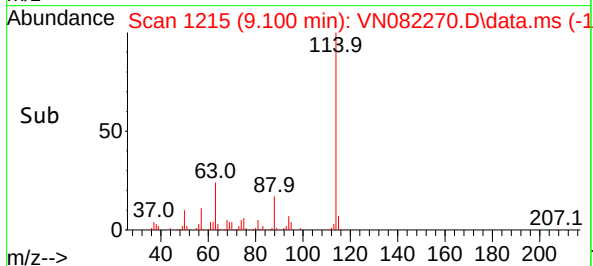
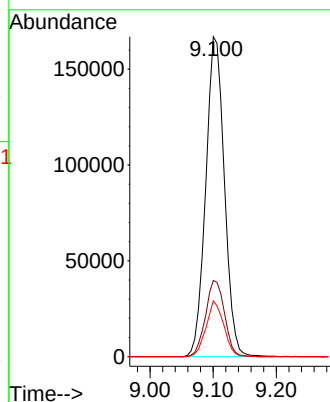
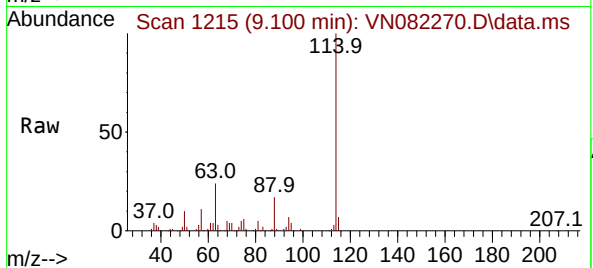
Tgt Ion:114 Resp: 342772

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 17.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.300 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN082270.D

Acq: 22 May 2024 03:57

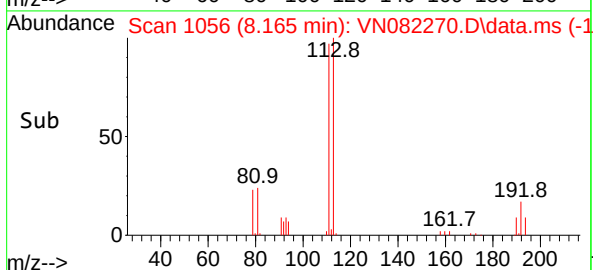
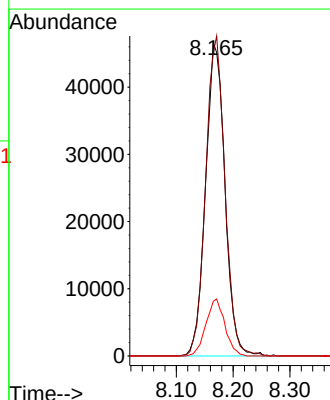
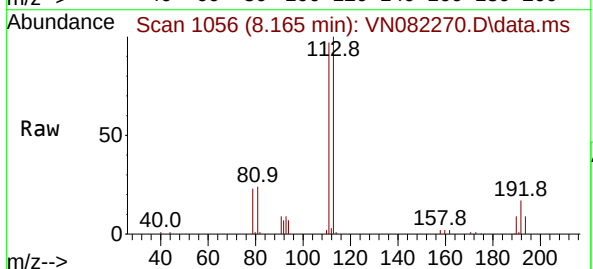
Tgt Ion:113 Resp: 110278

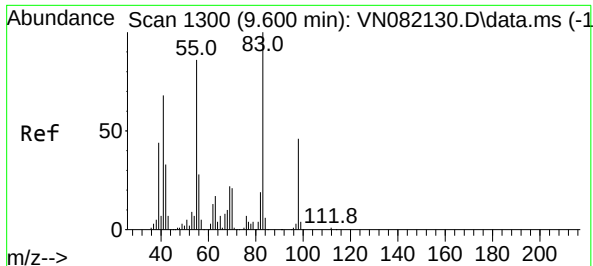
Ion Ratio Lower Upper

113 100

111 101.2 83.4 125.2

192 17.8 14.0 21.0





#39

Methylcyclohexane

Concen: 1.584 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN082270.D

Acq: 22 May 2024 03:57

Instrument :

MSVOA\_N

ClientSampleId :

10

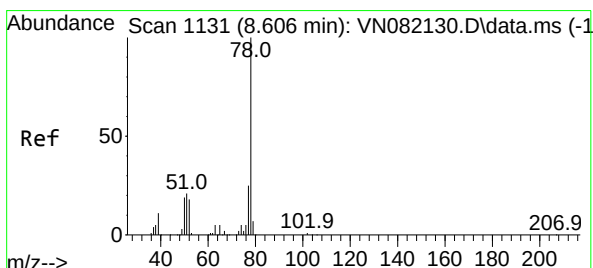
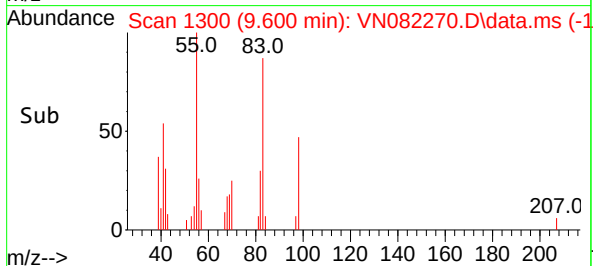
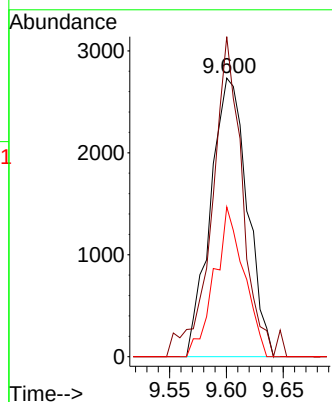
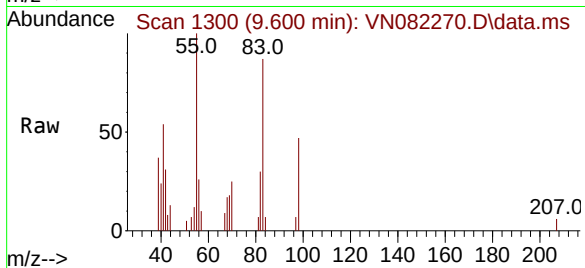
Tgt Ion: 83 Resp: 6141

Ion Ratio Lower Upper

83 100

55 108.1 53.0 79.6#

98 53.8 37.1 55.7



#40

Benzene

Concen: 2.088 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN082270.D

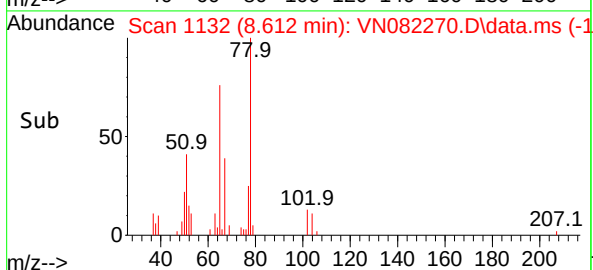
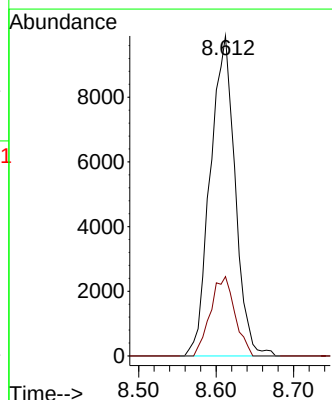
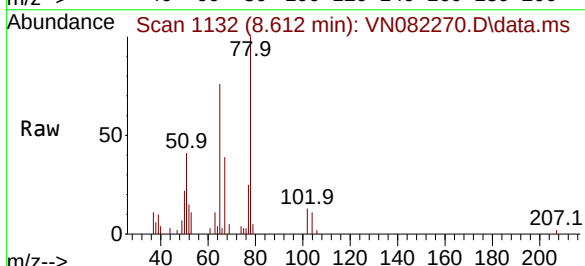
Acq: 22 May 2024 03:57

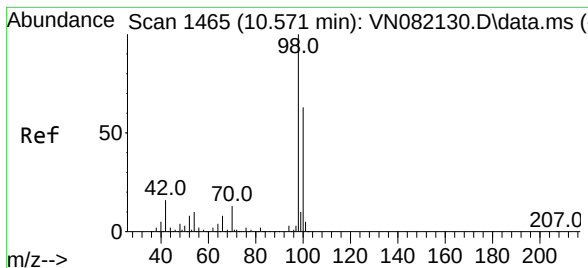
Tgt Ion: 78 Resp: 22017

Ion Ratio Lower Upper

78 100

77 24.8 20.0 30.0

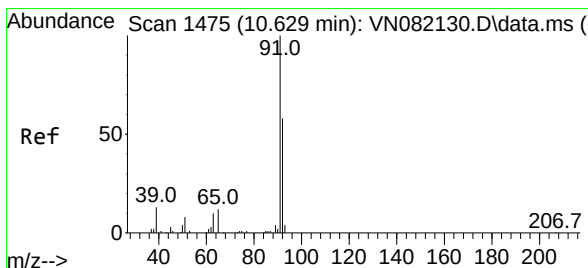
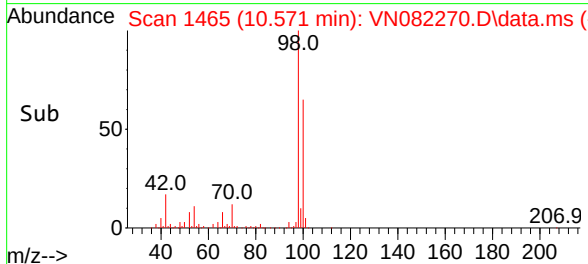
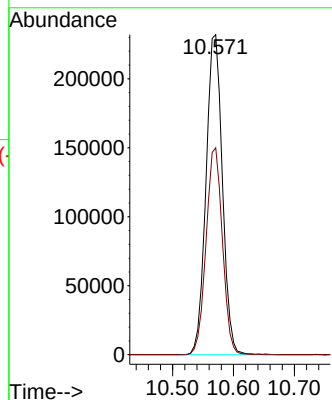
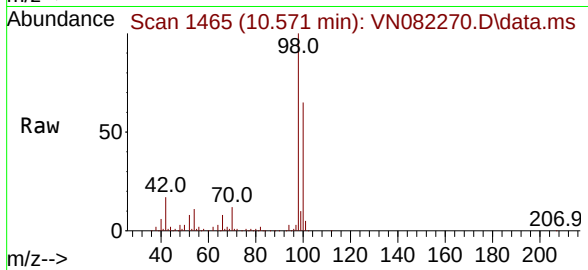




#50  
Toluene-d8  
Concen: 53.542 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

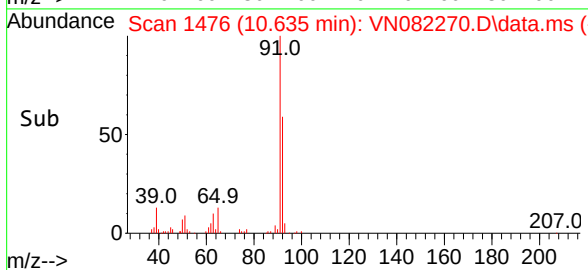
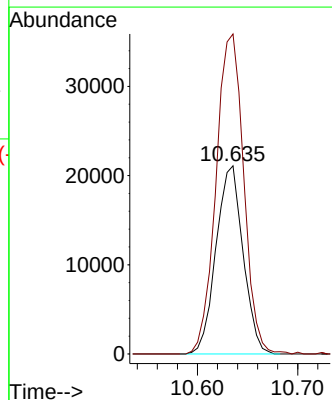
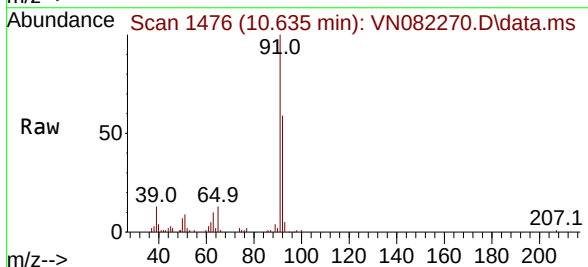
Instrument :  
MSVOA\_N  
ClientSampleId :  
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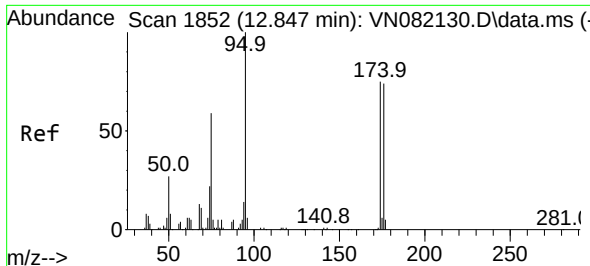
Tgt Ion: 98 Resp: 432838  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.8 77.6



#52  
Toluene  
Concen: 6.223 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

Tgt Ion: 92 Resp: 39383  
Ion Ratio Lower Upper  
92 100  
91 174.6 136.7 205.1

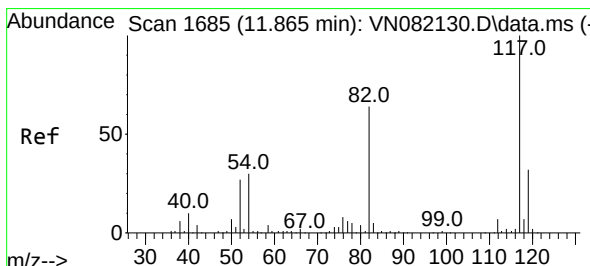
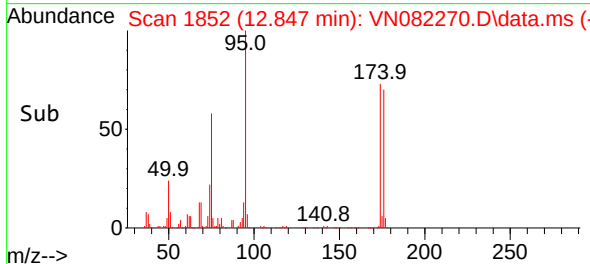
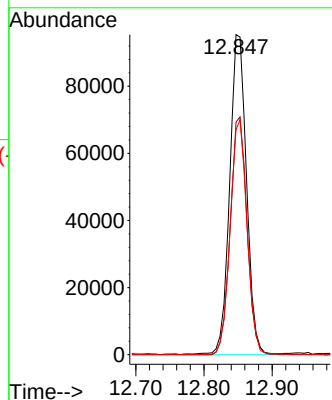
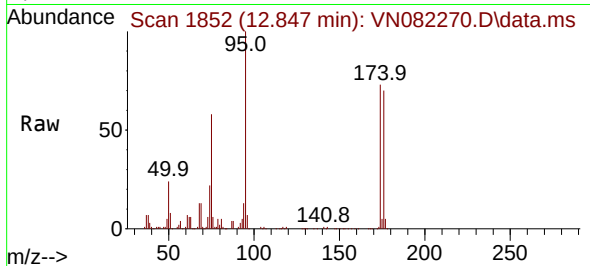




#62  
4-Bromofluorobenzene  
Concen: 56.758 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

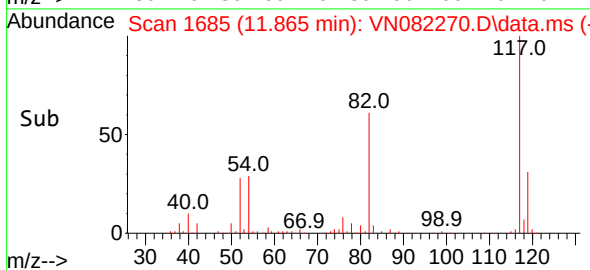
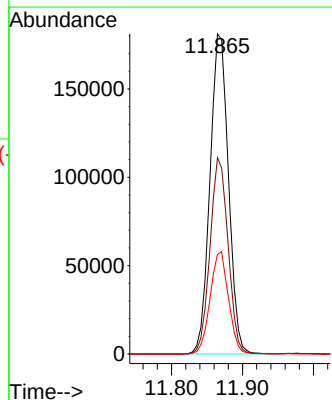
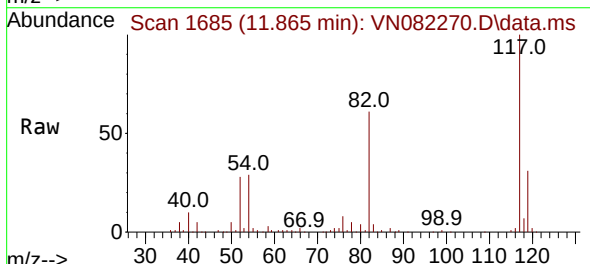
Instrument :  
MSVOA\_N  
ClientSampleId :  
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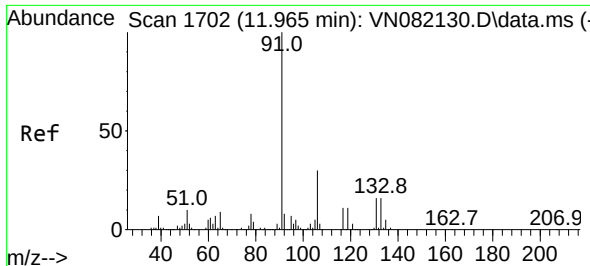
Tgt Ion: 95 Resp: 163771  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 160.6  
176 73.0 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

Tgt Ion: 117 Resp: 327339  
Ion Ratio Lower Upper  
117 100  
82 61.4 44.6 66.8  
119 31.1 25.9 38.9

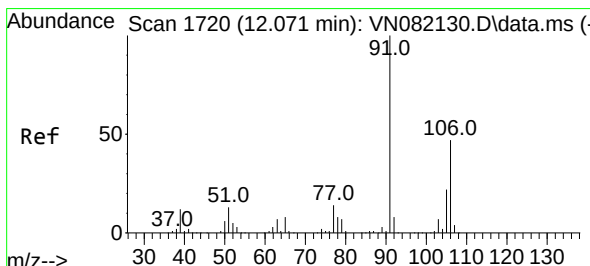
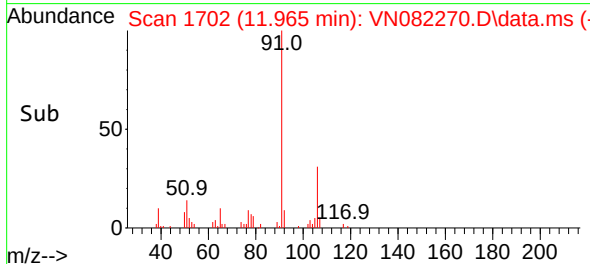
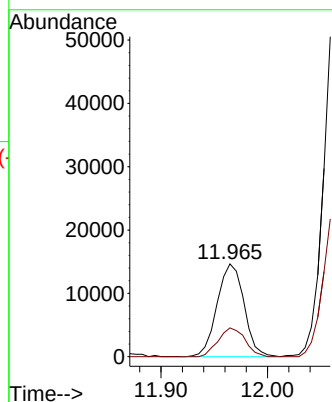
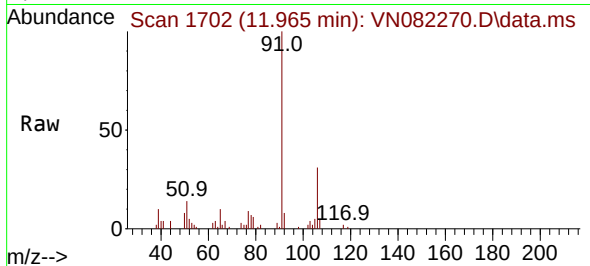




#67  
Ethyl Benzene  
Concen: 1.985 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

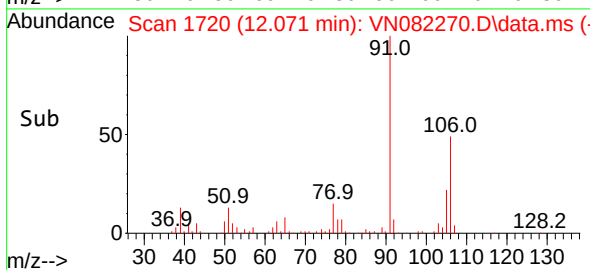
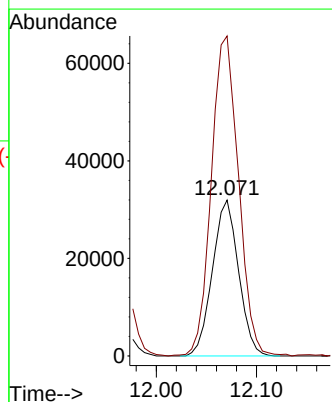
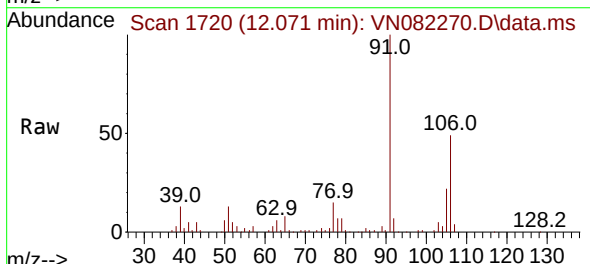
Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion: 91 Resp: 25682  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.3 37.9

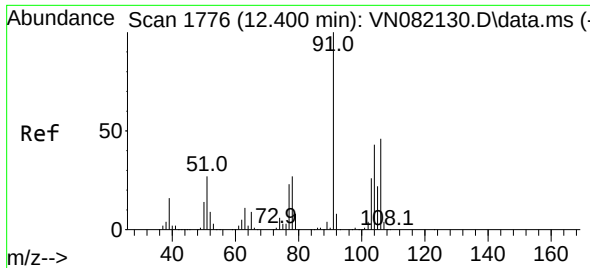


#68  
m/p-Xylenes  
Concen: 12.199 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

Tgt Ion: 106 Resp: 57837  
Ion Ratio Lower Upper  
106 100  
91 213.6 159.4 239.0



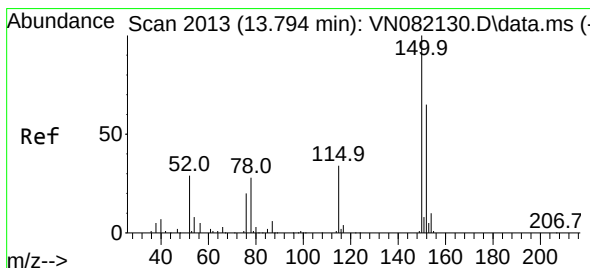
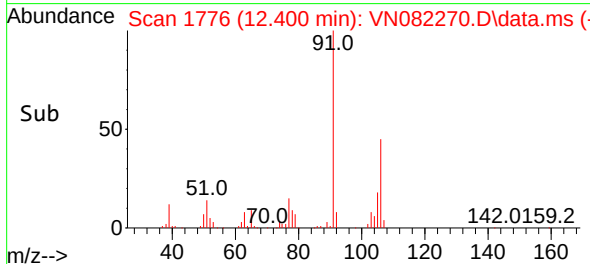
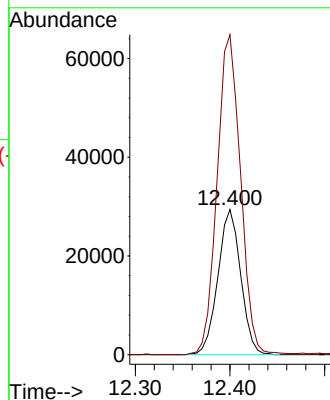
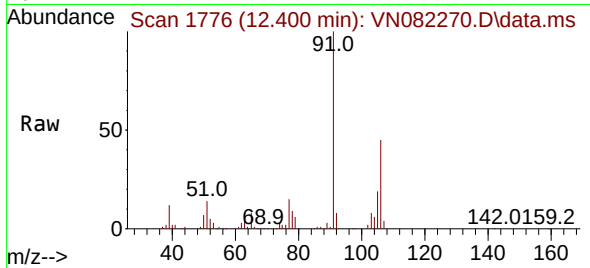




#69  
o-Xylene  
Concen: 10.725 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

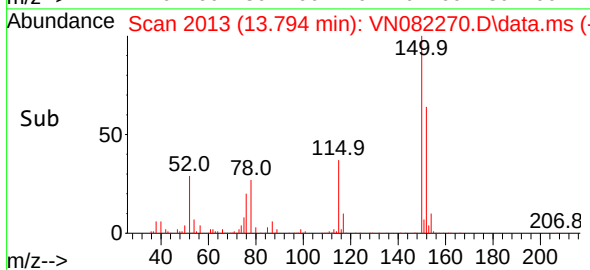
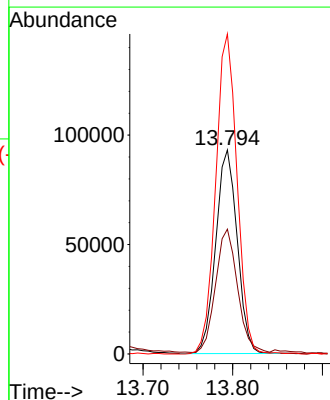
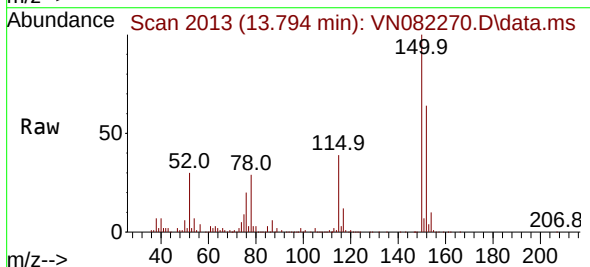
Instrument :  
MSVOA\_N  
ClientSampleId :  
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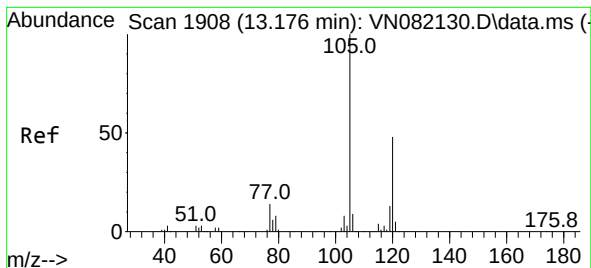
Tgt Ion:106 Resp: 49254  
Ion Ratio Lower Upper  
106 100  
91 226.9 104.7 314.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN082270.D  
Acq: 22 May 2024 03:57

Tgt Ion:152 Resp: 154414  
Ion Ratio Lower Upper  
152 100  
115 61.7 30.4 91.3  
150 156.4 0.0 353.2





#80

1,3,5-Trimethylbenzene

Concen: 7.916 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN082270.D

Acq: 22 May 2024 03:57

Instrument :

MSVOA\_N

ClientSampleId :

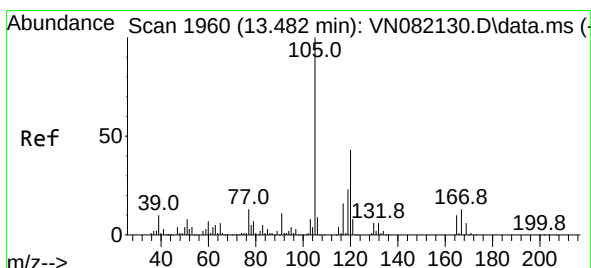
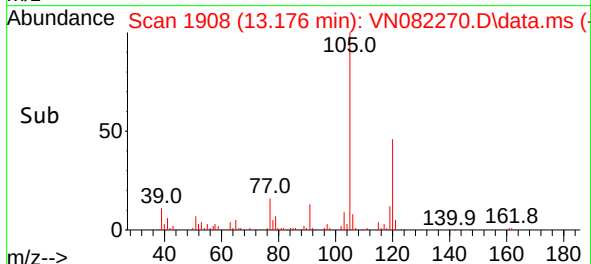
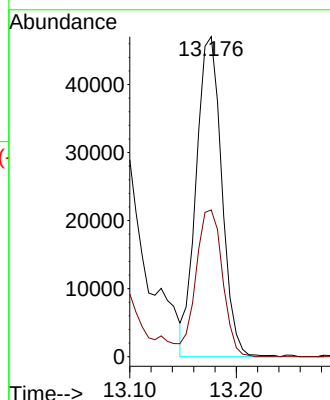
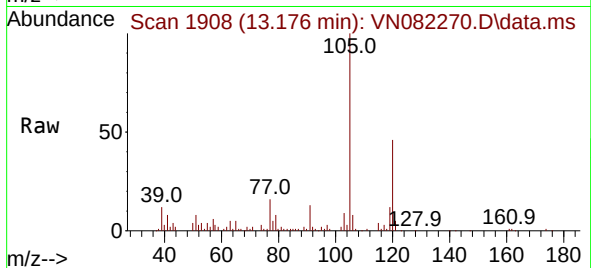
10

Tgt Ion:105 Resp: 78522

Ion Ratio Lower Upper

105 100

120 47.4 24.8 74.3



#84

1,2,4-Trimethylbenzene

Concen: 15.451 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN082270.D

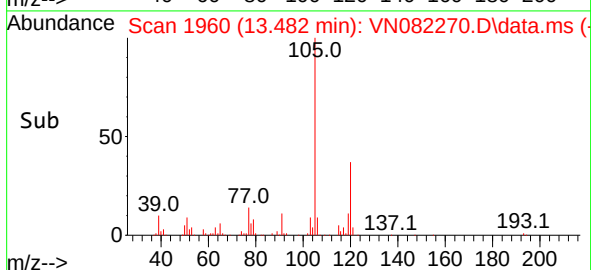
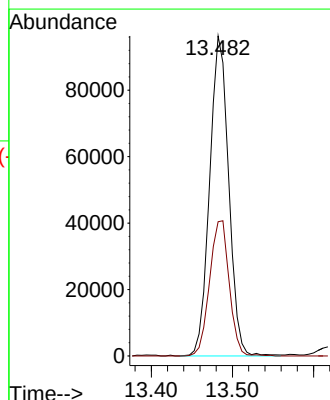
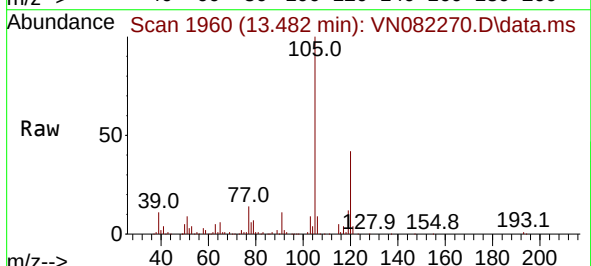
Acq: 22 May 2024 03:57

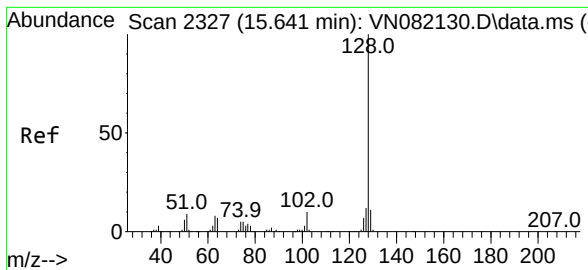
Tgt Ion:105 Resp: 156797

Ion Ratio Lower Upper

105 100

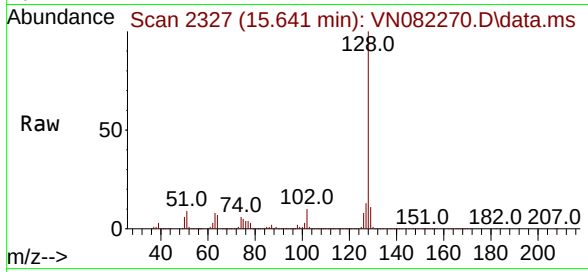
120 43.6 22.9 68.7





#95  
 Naphthalene  
 Concen: 232.343 ug/l  
 RT: 15.641 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN082270.D  
 Acq: 22 May 2024 03:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 10



Tgt Ion:128 Resp: 2046197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.3  | 10.1  | 15.1  |
| 129 | 10.8  | 8.9   | 13.3  |

