

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122324\  
 Data File : VN085304.D  
 Acq On : 23 Dec 2024 19:11  
 Operator : JC\MD  
 Sample : P5371-02DL 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SPLP-C10-2-MDL

Quant Time: Dec 24 04:16:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121824W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 19 06:31:00 2024  
 Response via : Initial Calibration

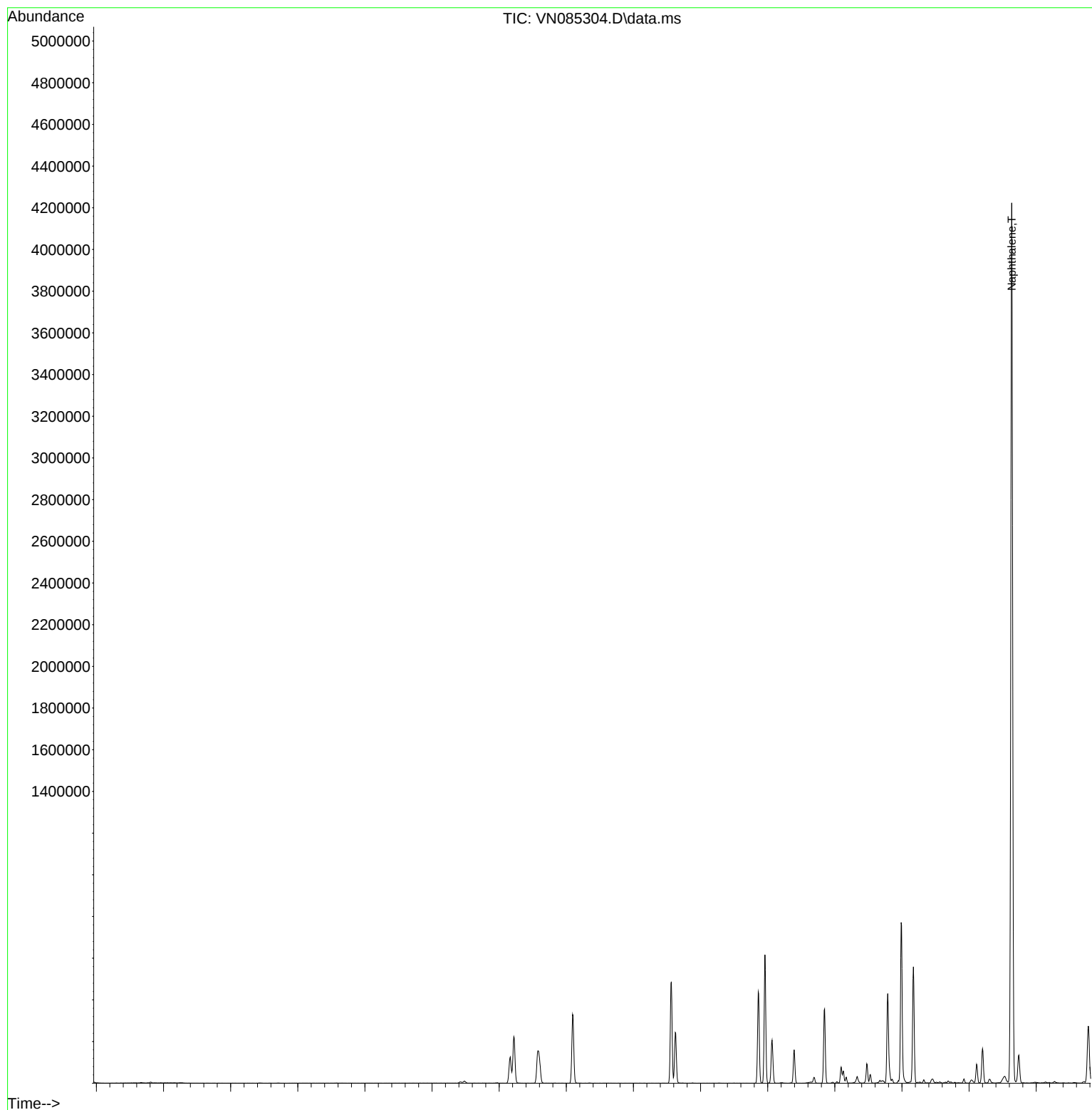
| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 8.218          | 168  | 152849     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.094          | 114  | 276135     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.859         | 117  | 242482     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 106307     | 50.000  | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.571          | 65   | 113177     | 42.364  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 84.720% |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 88191      | 45.427  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 90.860% |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 338502     | 47.706  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 95.420% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 122015     | 48.144  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 96.280% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         |        |          |
| 27) cis-1,2-Dichloroethene  | 7.477          | 96   | 5470       | 2.443   | ug/l   | 82       |
| 40) Benzene                 | 8.600          | 78   | 89780      | 10.676  | ug/l   | 99       |
| 52) Toluene                 | 10.624         | 92   | 106835     | 21.128  | ug/l   | 98       |
| 67) Ethyl Benzene           | 11.959         | 91   | 438124     | 46.896  | ug/l   | 99       |
| 68) m/p-Xylenes             | 12.065         | 106  | 65671      | 18.794  | ug/l   | 97       |
| 69) o-Xylene                | 12.394         | 106  | 42010      | 12.791  | ug/l   | 100      |
| 73) Isopropylbenzene        | 12.688         | 105  | 17397      | 2.269   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 13.171         | 105  | 12922      | 2.020   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.476         | 105  | 51300      | 7.846   | ug/l   | 96       |
| 86) p-Isopropyltoluene      | 13.729         | 119  | 2643       | 2.294   | ug/l # | 74       |
| 95) Naphthalene             | 15.635         | 128  | 3748531    | 641.179 | ug/l   | 99       |
| -----                       |                |      |            |         |        |          |

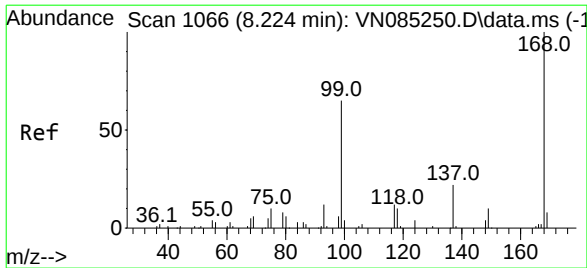
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122324\  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C10-2-MDL

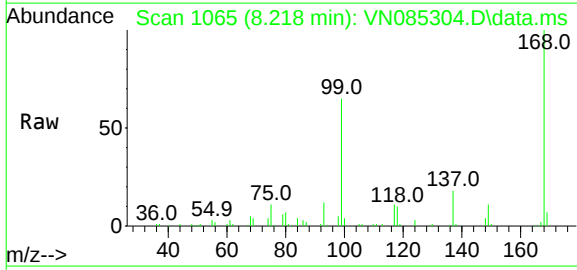
Quant Time: Dec 24 04:16:49 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121824W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 19 06:31:00 2024  
Response via : Initial Calibration



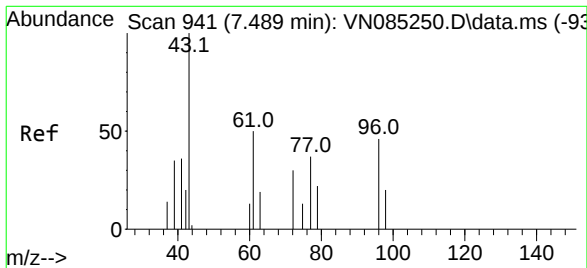
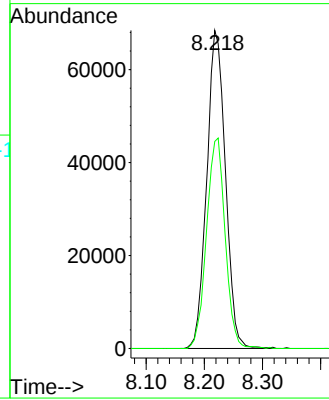
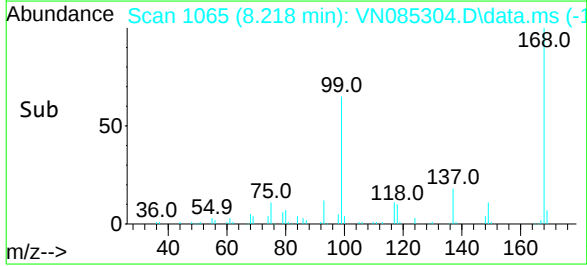


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN085304.D  
Acq: 23 Dec 2024 19:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C10-2-MDL

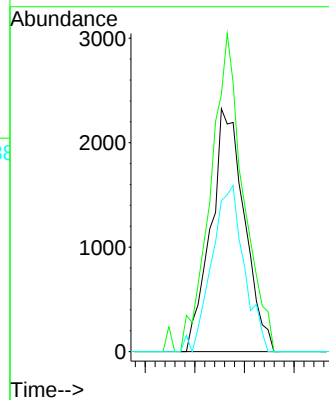
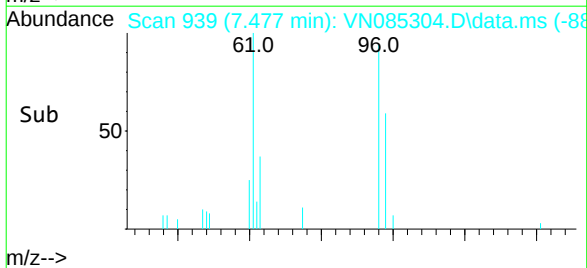
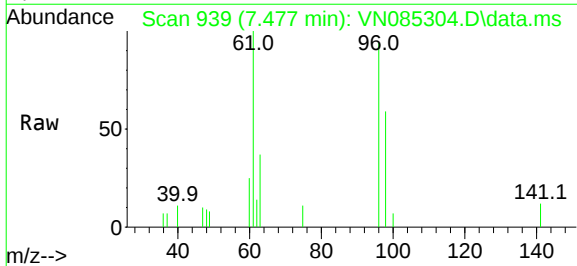


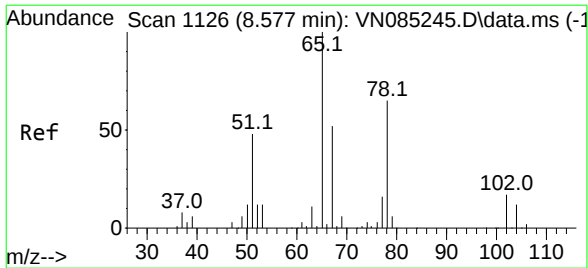
Tgt Ion:168 Resp: 152849  
Ion Ratio Lower Upper  
168 100  
99 65.1 50.7 76.1



#27  
cis-1,2-Dichloroethene  
Concen: 2.443 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. -0.006 min  
Lab File: VN085304.D  
Acq: 23 Dec 2024 19:11

Tgt Ion: 96 Resp: 5470  
Ion Ratio Lower Upper  
96 100  
61 127.7 0.0 316.4  
98 65.6 0.0 125.4

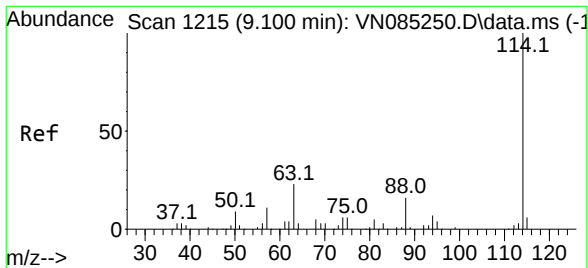
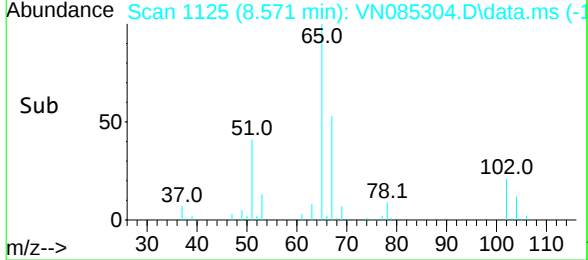
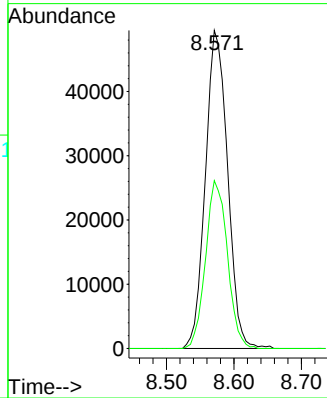
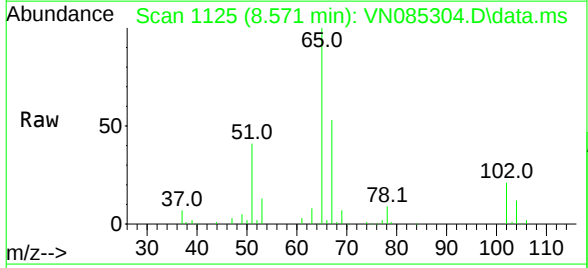




#33  
1,2-Dichloroethane-d4  
Concen: 42.364 ug/l  
RT: 8.571 min Scan# 111  
Delta R.T. -0.006 min  
Lab File: VN085304.D  
Acq: 23 Dec 2024 19:11

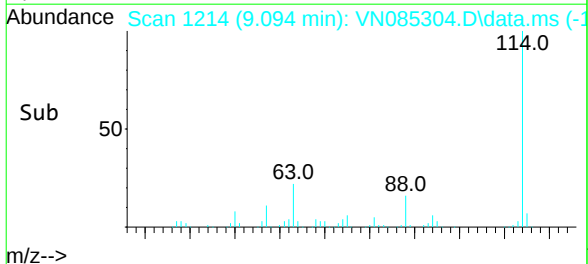
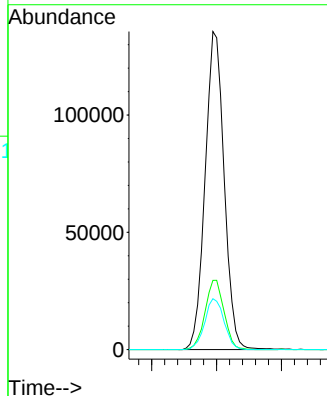
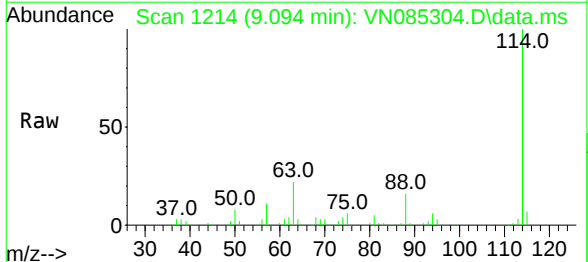
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C10-2-MDL

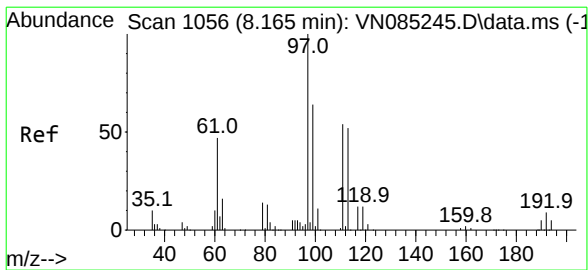
Tgt Ion: 65 Resp: 113177  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 102.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.094 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: VN085304.D  
Acq: 23 Dec 2024 19:11

Tgt Ion: 114 Resp: 276135  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 46.2  
88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.427 ug/l

RT: 8.165 min Scan# 10

Delta R.T. 0.000 min

Lab File: VN085304.D

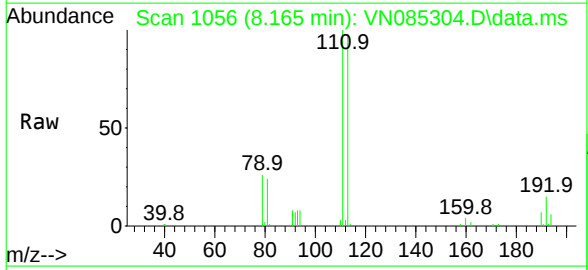
Acq: 23 Dec 2024 19:11

Instrument :

MSVOA\_N

ClientSampleId :

SPLP-C10-2-MDL



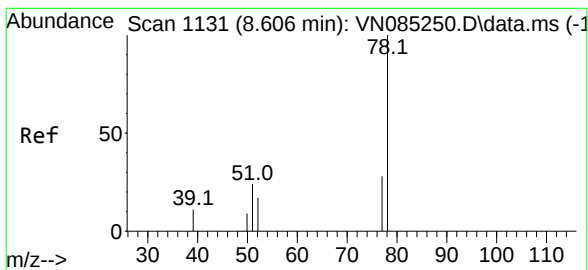
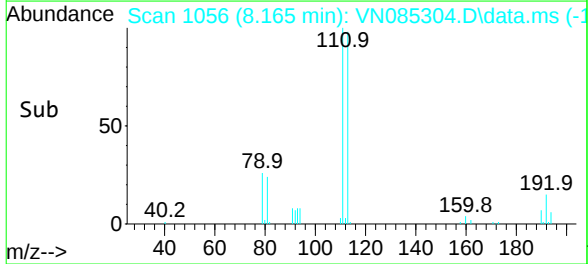
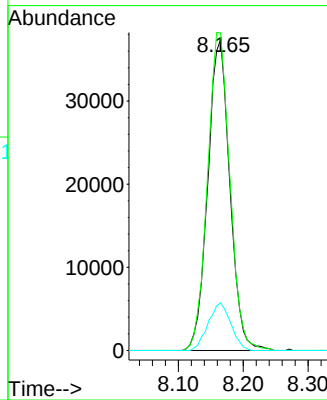
Tgt Ion:113 Resp: 88191

Ion Ratio Lower Upper

113 100

111 103.7 82.1 123.1

192 15.7 13.4 20.0



#40

Benzene

Concen: 10.676 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085304.D

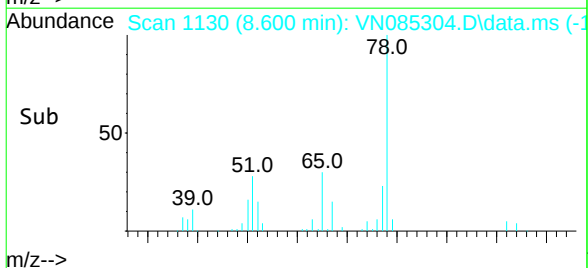
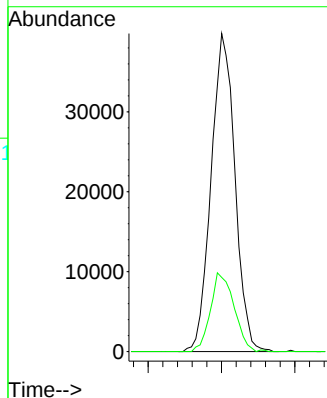
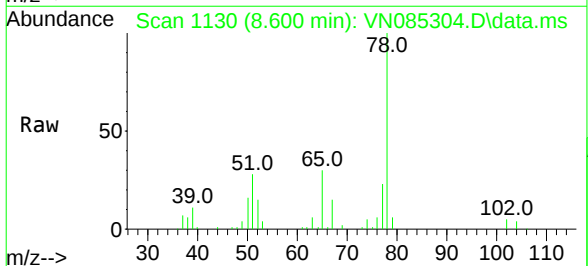
Acq: 23 Dec 2024 19:11

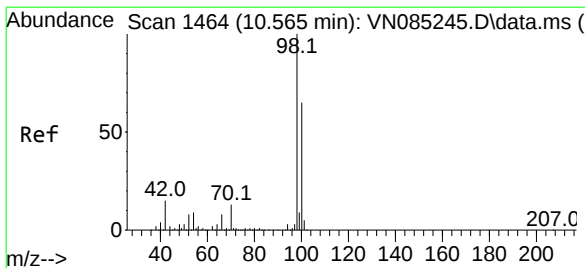
Tgt Ion: 78 Resp: 89780

Ion Ratio Lower Upper

78 100

77 23.3 18.9 28.3





#50

Toluene-d8

Concen: 47.706 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085304.D

Acq: 23 Dec 2024 19:11

Instrument :

MSVOA\_N

ClientSampleId :

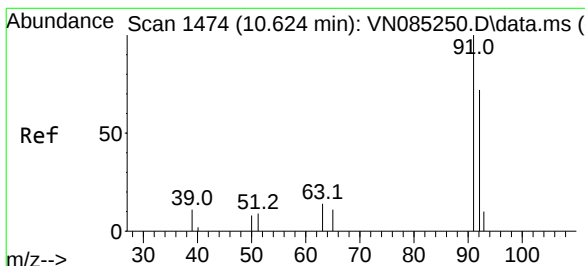
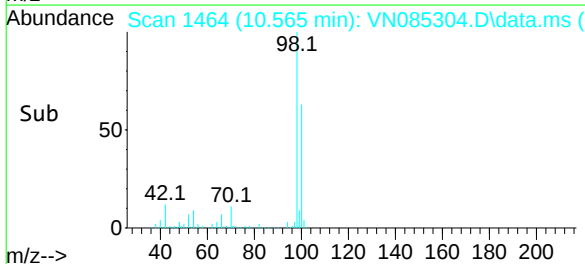
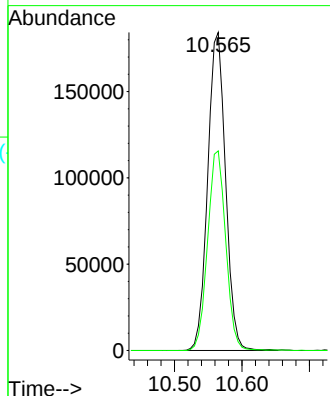
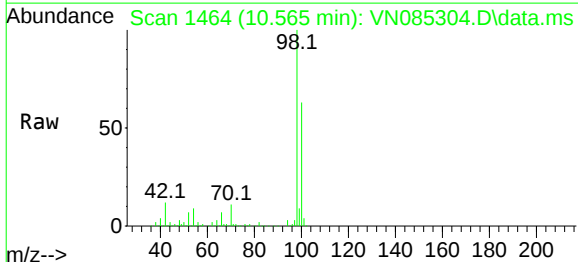
SPLP-C10-2-MDL

Tgt Ion: 98 Resp: 338502

Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4



#52

Toluene

Concen: 21.128 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN085304.D

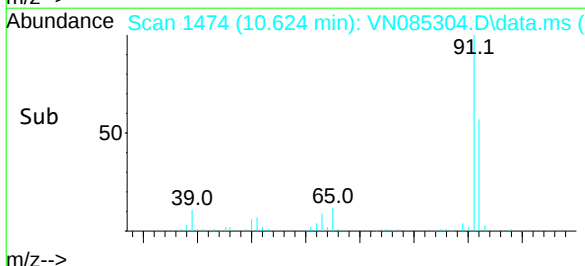
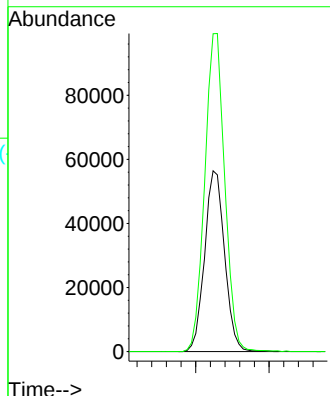
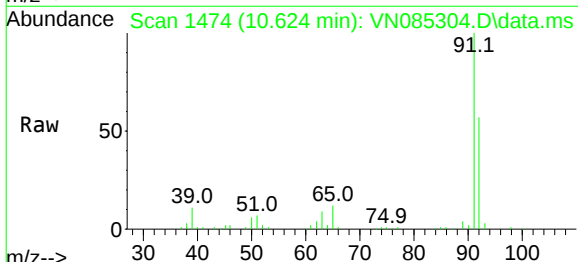
Acq: 23 Dec 2024 19:11

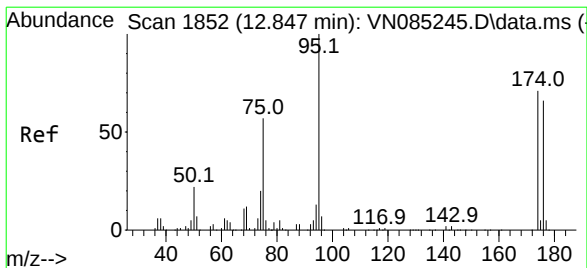
Tgt Ion: 92 Resp: 106835

Ion Ratio Lower Upper

92 100

91 176.2 138.9 208.3





#62

4-Bromofluorobenzene

Concen: 48.144 ug/l

RT: 12.847 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN085304.D

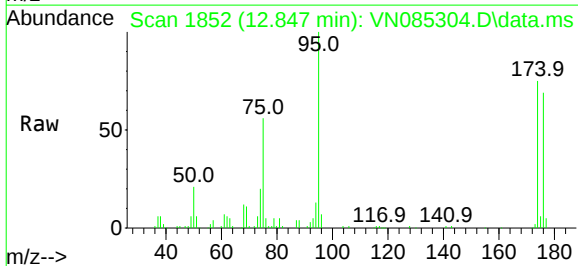
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Instrument :

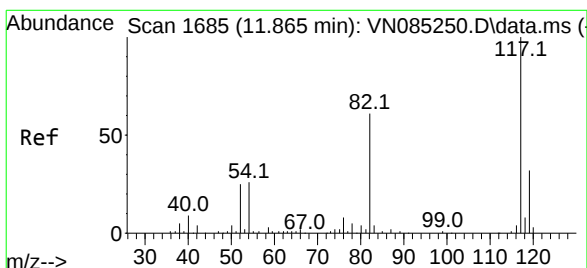
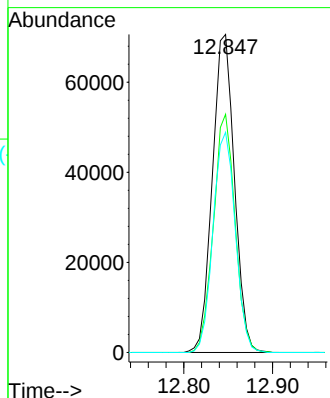
MSVOA\_N

ClientSampleId :

SPLP-C10-2-MDL



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 122015 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 73.4  | 0.0   | 144.4  |
| 176       | 69.7  | 0.0   | 136.6  |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

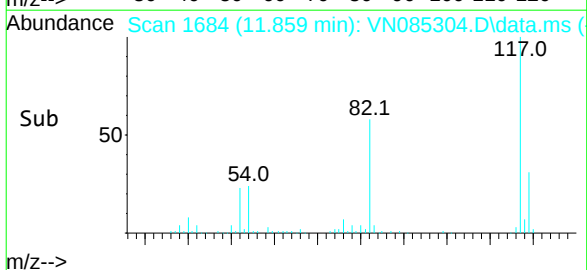
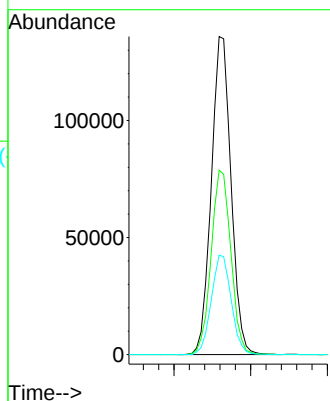
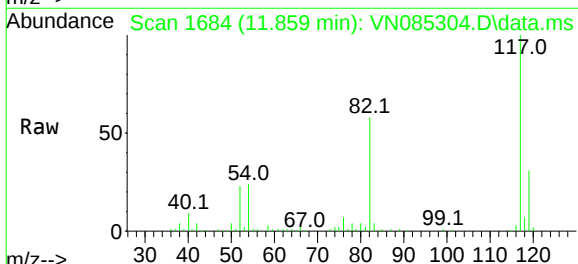
RT: 11.859 min Scan# 1684

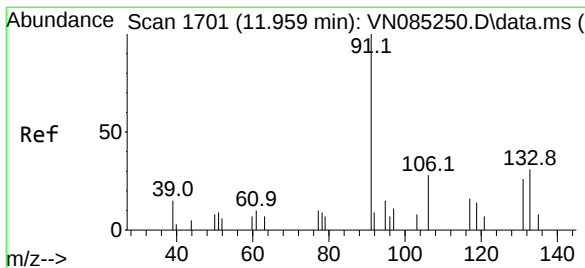
Delta R.T. -0.006 min

Lab File: VN085304.D

Acq: 23 Dec 2024 19:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 242482 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.0  | 47.4  | 71.2   |
| 119       | 31.3  | 25.6  | 38.4   |





#67

Ethyl Benzene

Concen: 46.896 ug/l

RT: 11.959 min Scan# 1719

Delta R.T. 0.000 min

Lab File: VN085304.D

Acq: 23 Dec 2024 19:11

Instrument :

MSVOA\_N

ClientSampleId :

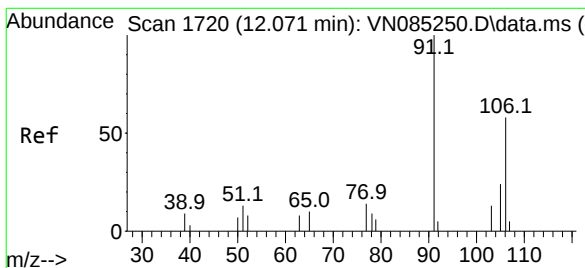
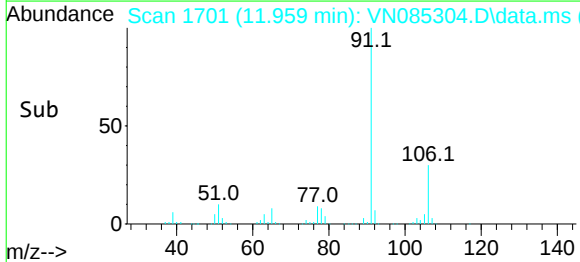
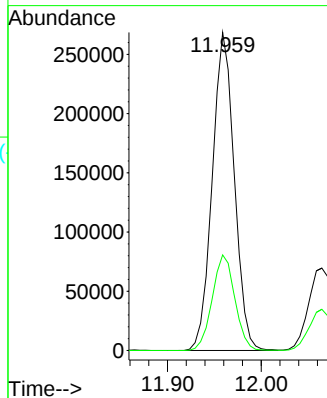
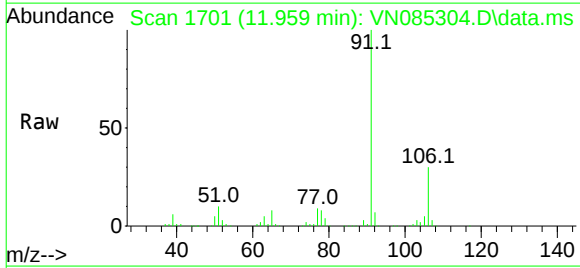
SPLP-C10-2-MDL

Tgt Ion: 91 Resp: 438124

Ion Ratio Lower Upper

91 100

106 30.0 23.5 35.3



#68

m/p-Xylenes

Concen: 18.794 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN085304.D

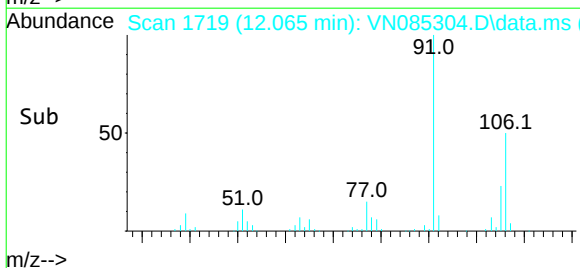
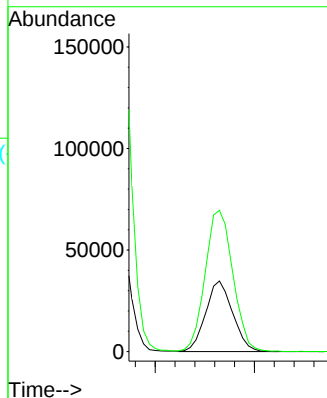
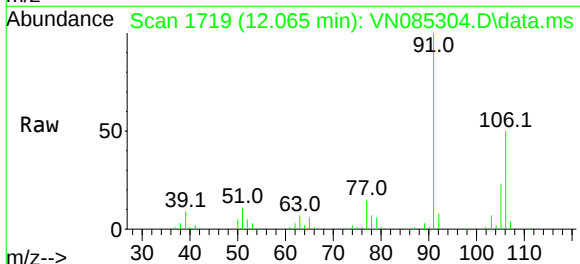
Acq: 23 Dec 2024 19:11

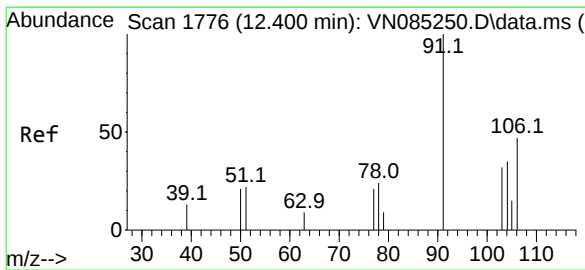
Tgt Ion:106 Resp: 65671

Ion Ratio Lower Upper

106 100

91 206.3 168.3 252.5





#69

o-Xylene

Concen: 12.791 ug/l

RT: 12.394 min Scan# 17

Delta R.T. 0.000 min

Lab File: VN085304.D

Acq: 23 Dec 2024 19:11

Instrument :

MSVOA\_N

ClientSampleId :

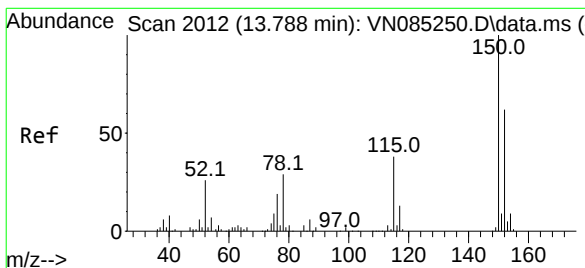
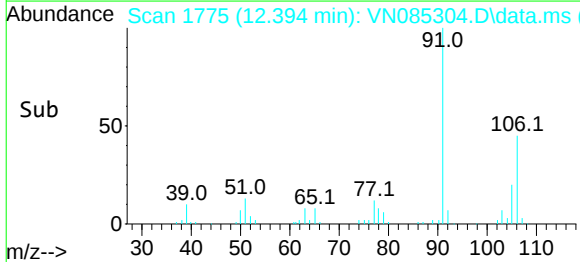
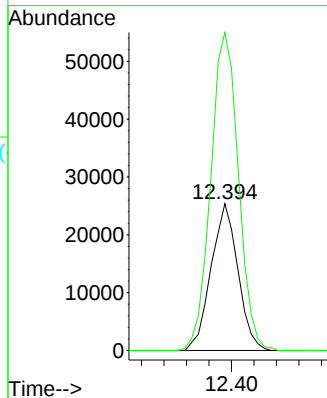
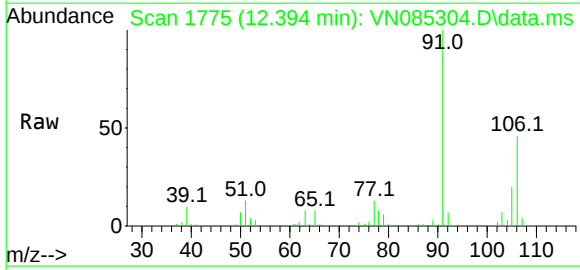
SPLP-C10-2-MDL

Tgt Ion:106 Resp: 42010

Ion Ratio Lower Upper

106 100

91 223.6 112.1 336.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085304.D

Acq: 23 Dec 2024 19:11

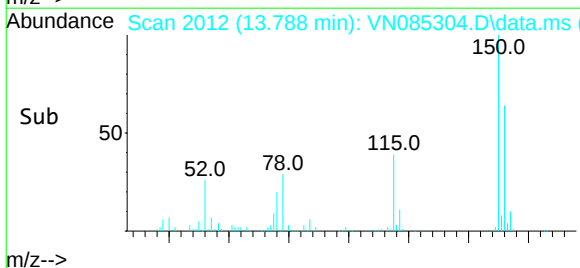
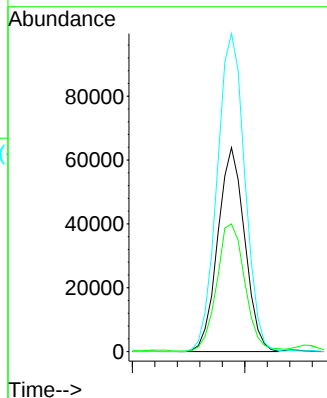
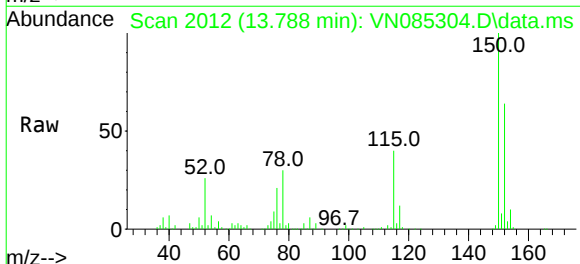
Tgt Ion:152 Resp: 106307

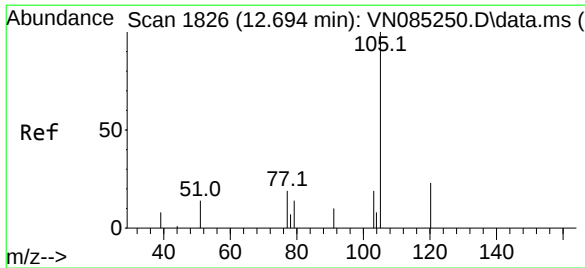
Ion Ratio Lower Upper

152 100

115 64.9 32.1 96.3

150 160.6 0.0 354.6





#73

Isopropylbenzene

Concen: 2.269 ug/l

RT: 12.688 min Scan# 1825

Delta R.T. -0.006 min

Lab File: VN085304.D

Acq: 23 Dec 2024 19:11

Instrument :

MSVOA\_N

ClientSampleId :

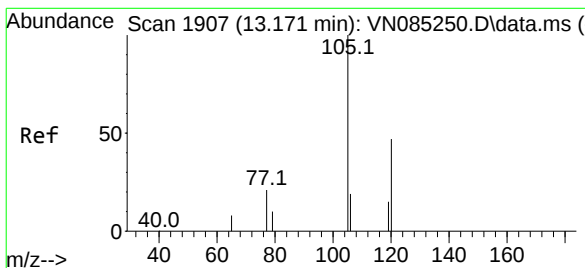
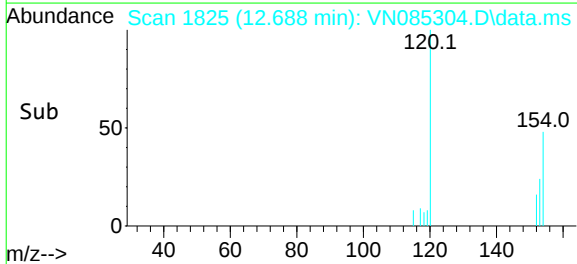
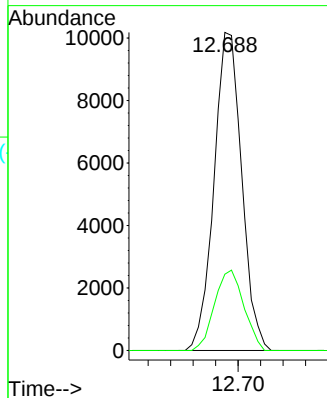
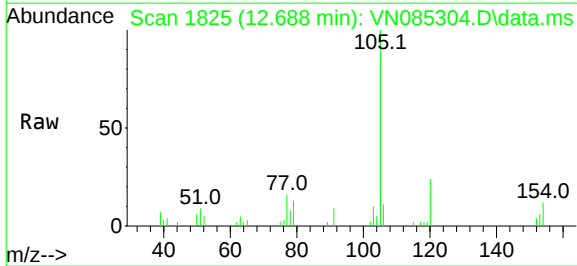
SPLP-C10-2-MDL

Tgt Ion:105 Resp: 17397

Ion Ratio Lower Upper

105 100

120 26.7 13.0 38.9



#80

1,3,5-Trimethylbenzene

Concen: 2.020 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085304.D

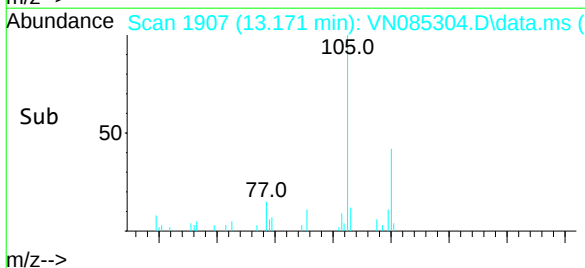
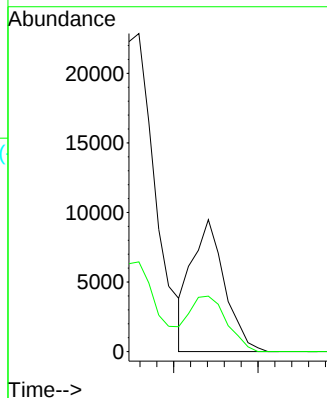
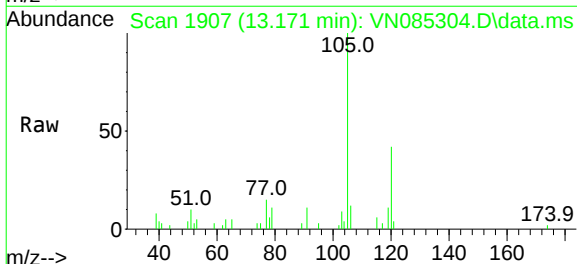
Acq: 23 Dec 2024 19:11

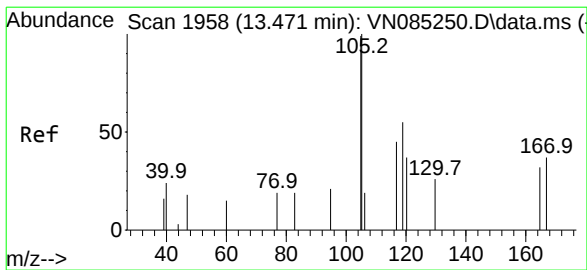
Tgt Ion:105 Resp: 12922

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.2

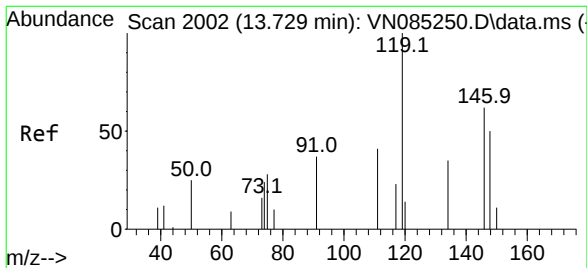
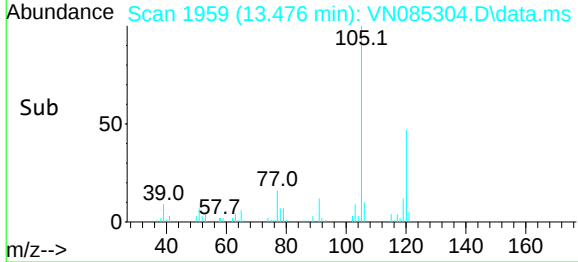
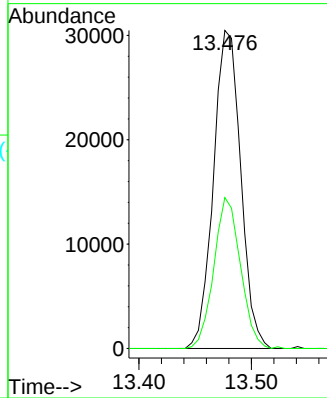
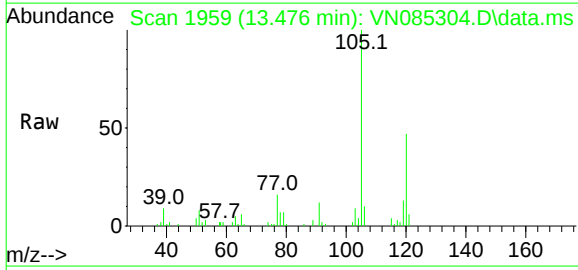




#84  
1,2,4-Trimethylbenzene  
Concen: 7.846 ug/l  
RT: 13.476 min Scan# 1958  
Delta R.T. -0.006 min  
Lab File: VN085304.D  
Acq: 23 Dec 2024 19:11

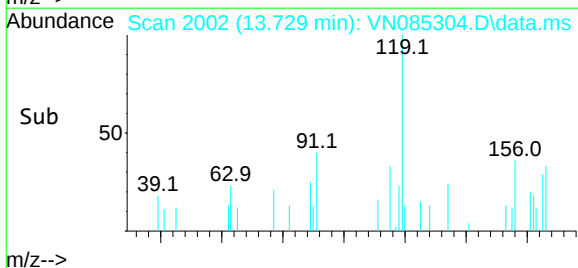
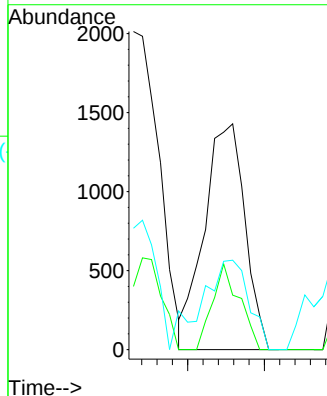
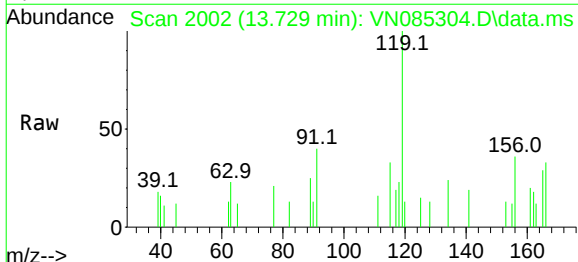
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C10-2-MDL

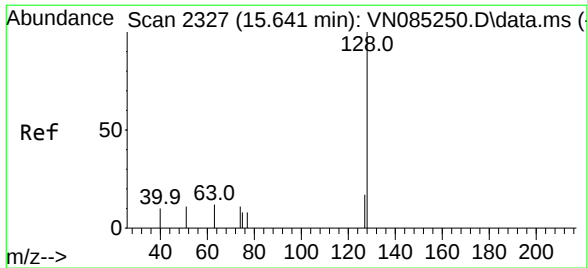
Tgt Ion:105 Resp: 51300  
Ion Ratio Lower Upper  
105 100  
120 46.3 21.8 65.3



#86  
p-Isopropyltoluene  
Concen: 2.294 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN085304.D  
Acq: 23 Dec 2024 19:11

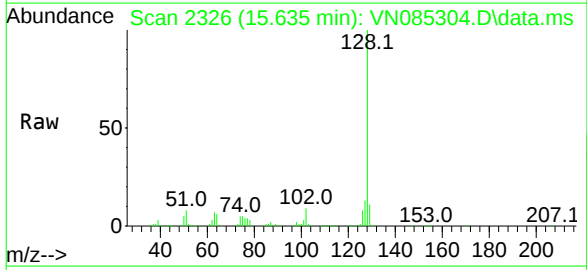
Tgt Ion:119 Resp: 2643  
Ion Ratio Lower Upper  
119 100  
134 25.0 12.5 37.5  
91 0.0 13.0 38.9#





#95  
Naphthalene  
Concen: 641.179 ug/l  
RT: 15.635 min Scan# 23  
Delta R.T. -0.006 min  
Lab File: VN085304.D  
Acq: 23 Dec 2024 19:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C10-2-MDL



Tgt Ion:128 Resp: 3748531

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.3  | 10.3  | 15.5  |
| 129 | 10.9  | 8.6   | 13.0  |

