

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122324\  
 Data File : VN085306.D  
 Acq On : 23 Dec 2024 19:59  
 Operator : JC\MD  
 Sample : P5371-04DL 4X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SPLP-C11-1-MDL

Quant Time: Dec 24 04:17:46 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

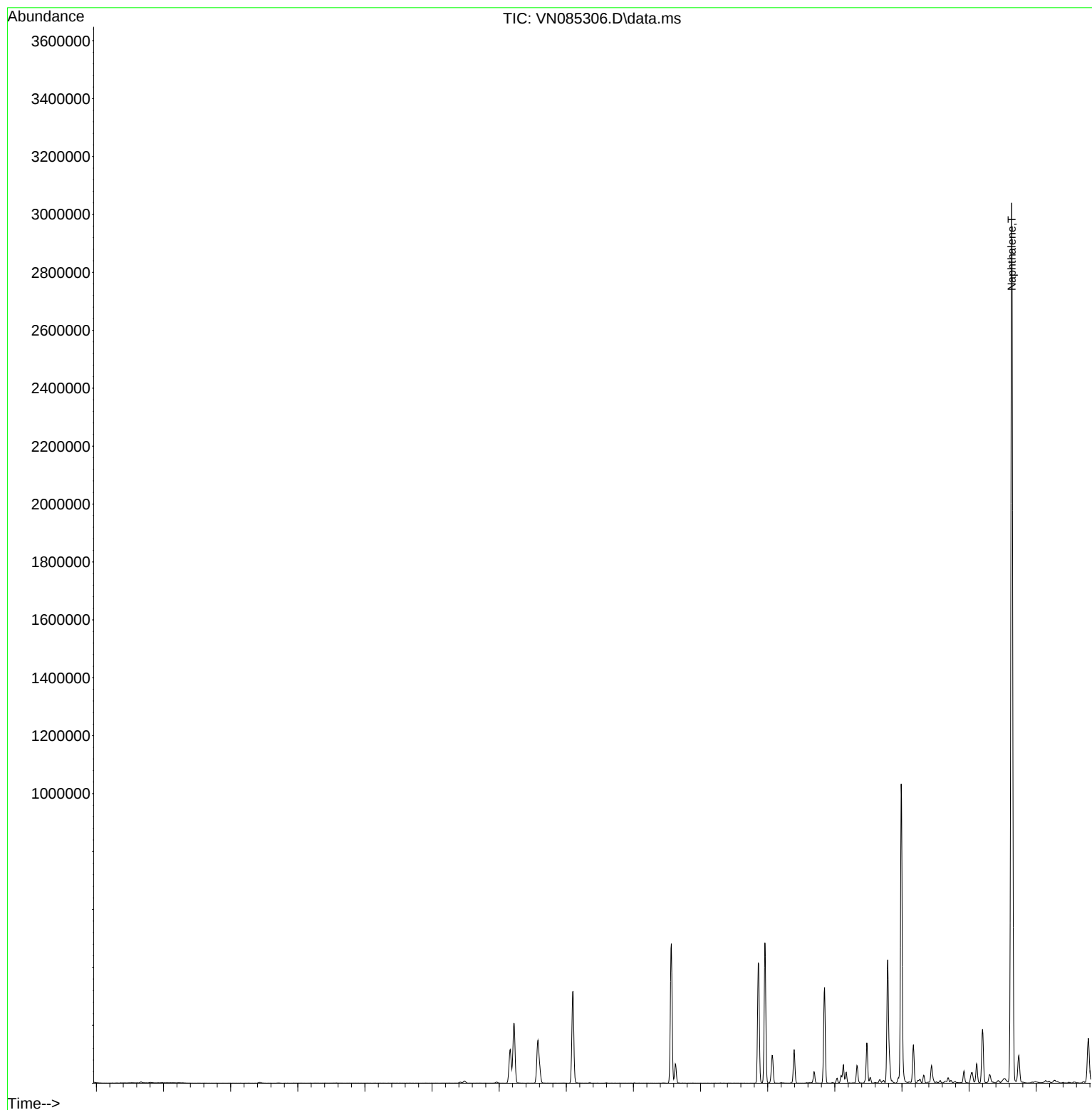
| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 147336     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 268390     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.859         | 117  | 235244     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 105509     | 50.000  | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 112123     | 43.539  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 87.080% |        |          |
| 35) Dibromofluoromethane    | 8.159          | 113  | 82186      | 43.556  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 87.120% |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 325203     | 47.154  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 94.300% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 114209     | 46.364  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 92.720% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         |        |          |
| 16) Acetone                 | 4.430          | 43   | 6055       | 6.812   | ug/l # | 84       |
| 27) cis-1,2-Dichloroethene  | 7.483          | 96   | 4055       | 1.878   | ug/l   | 88       |
| 30) Chloroform              | 7.965          | 83   | 3940       | 1.025   | ug/l   | 98       |
| 40) Benzene                 | 8.606          | 78   | 43452      | 5.316   | ug/l   | 99       |
| 52) Toluene                 | 10.624         | 92   | 27944      | 5.686   | ug/l   | 99       |
| 67) Ethyl Benzene           | 11.959         | 91   | 348657     | 38.468  | ug/l   | 98       |
| 68) m/p-Xylenes             | 12.071         | 106  | 31520      | 9.298   | ug/l   | 97       |
| 69) o-Xylene                | 12.394         | 106  | 30899      | 9.697   | ug/l   | 99       |
| 73) Isopropylbenzene        | 12.694         | 105  | 26172      | 3.439   | ug/l   | 98       |
| 78) n-propylbenzene         | 13.035         | 91   | 14482      | 1.551   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 13.171         | 105  | 17782      | 2.801   | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene  | 13.477         | 105  | 75771      | 11.676  | ug/l   | 99       |
| 86) p-Isopropyltoluene      | 13.729         | 119  | 3565       | 2.419   | ug/l # | 73       |
| 95) Naphthalene             | 15.635         | 128  | 2722597    | 469.217 | ug/l   | 100      |
| -----                       |                |      |            |         |        |          |

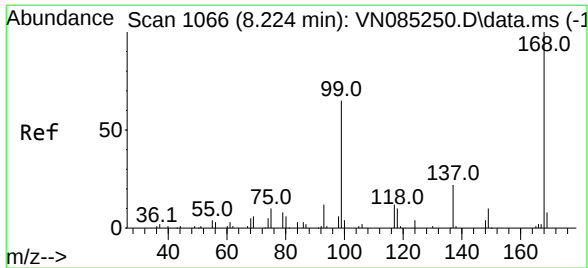
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122324\  
Data File : VN085306.D  
Acq On : 23 Dec 2024 19:59  
Operator : JC\MD  
Sample : P5371-04DL 4X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C11-1-MDL

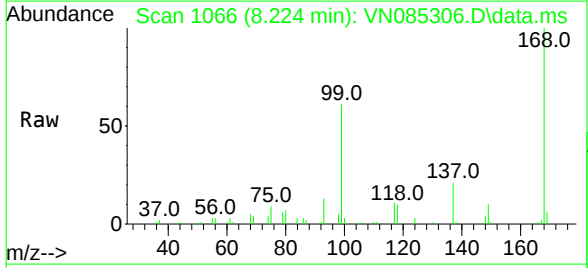
Quant Time: Dec 24 04:17:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121824W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 19 06:31:00 2024  
Response via : Initial Calibration



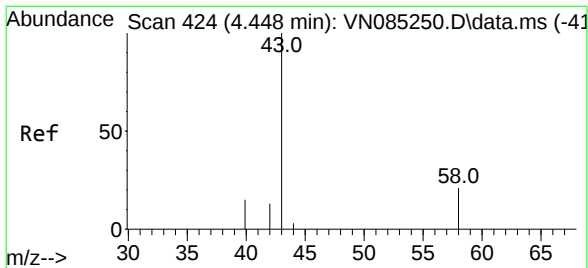
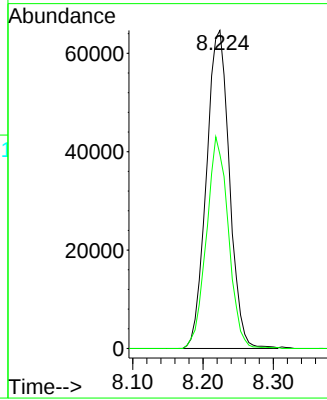
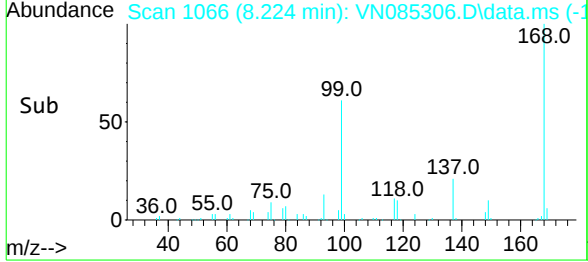


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C11-1-MDL

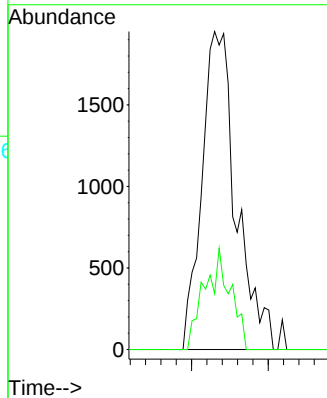
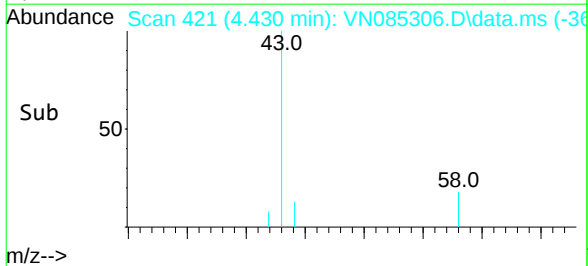
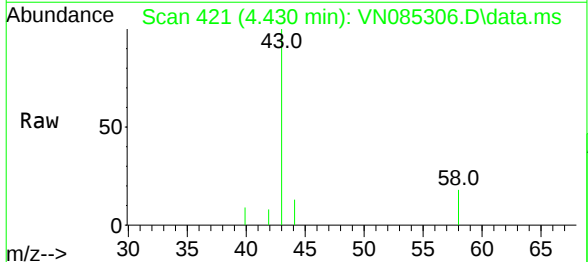


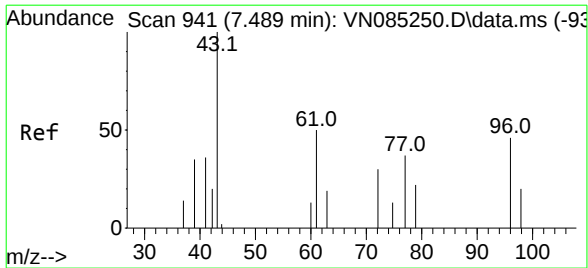
Tgt Ion:168 Resp: 147336  
Ion Ratio Lower Upper  
168 100  
99 61.0 50.7 76.1



#16  
Acetone  
Concen: 6.812 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

Tgt Ion: 43 Resp: 6055  
Ion Ratio Lower Upper  
43 100  
58 17.6 20.8 31.2#

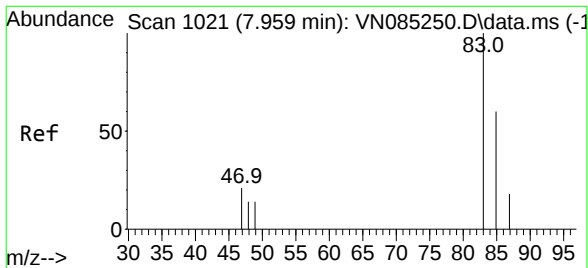
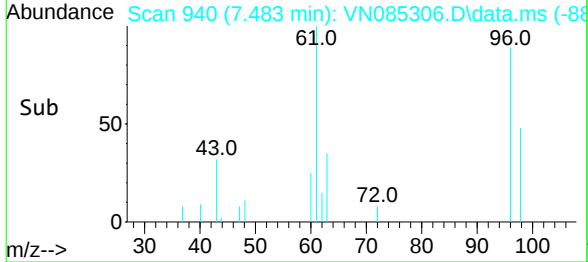
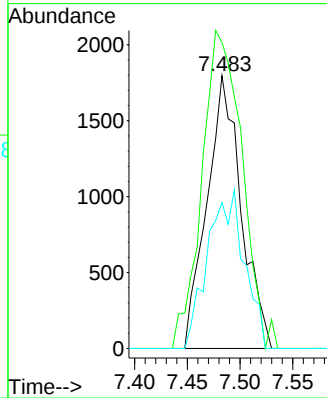
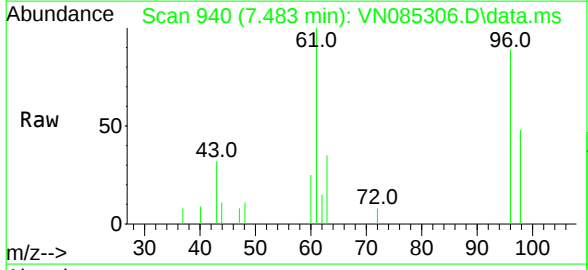




#27  
 cis-1,2-Dichloroethene  
 Concen: 1.878 ug/l  
 RT: 7.483 min Scan# 94  
 Delta R.T. 0.000 min  
 Lab File: VN085306.D  
 Acq: 23 Dec 2024 19:59

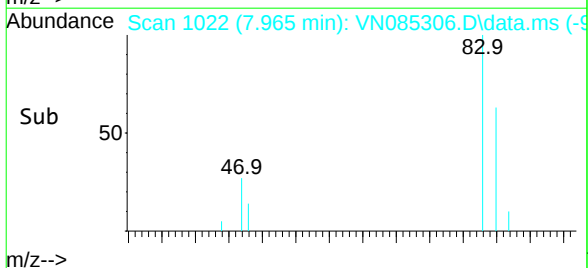
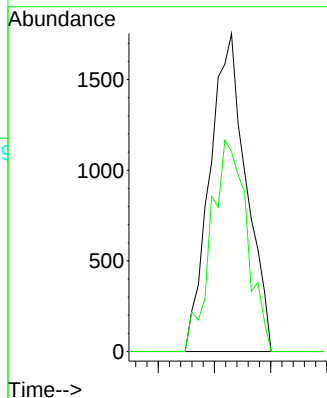
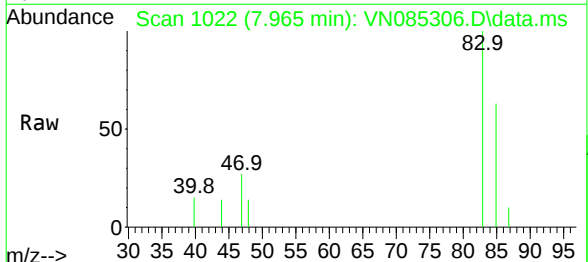
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SPLP-C11-1-MDL

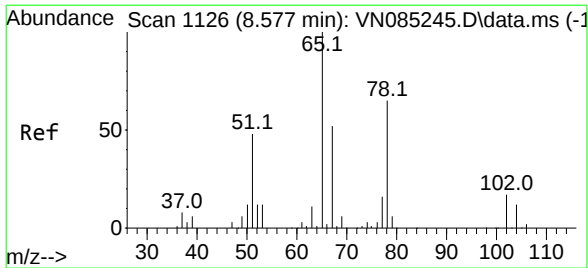
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 4055  |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 136.4    | 0.0 316.4   |
| 98 61.9     | 0.0 125.4   |



#30  
 Chloroform  
 Concen: 1.025 ug/l  
 RT: 7.965 min Scan# 1022  
 Delta R.T. 0.000 min  
 Lab File: VN085306.D  
 Acq: 23 Dec 2024 19:59

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 3940  |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 62.9     | 51.4 77.0   |

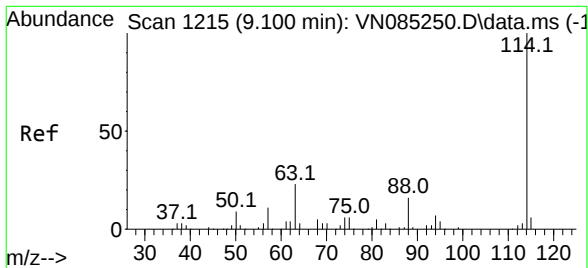
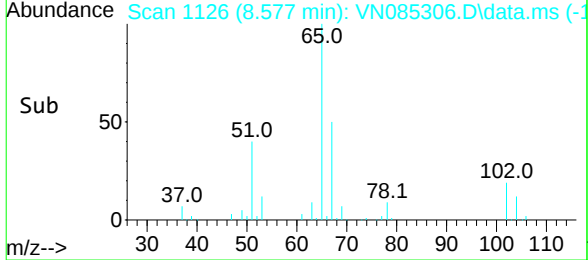
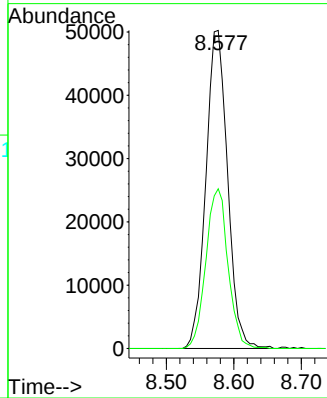
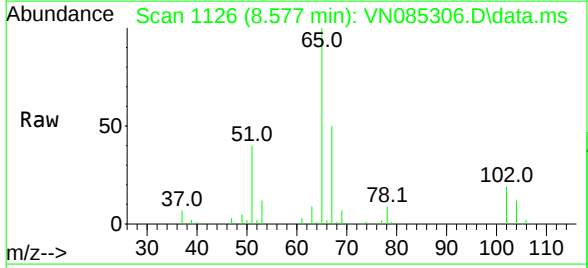




#33  
1,2-Dichloroethane-d4  
Concen: 43.539 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

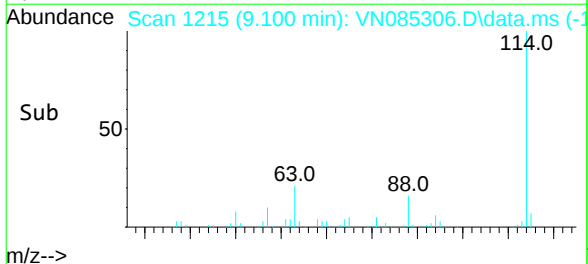
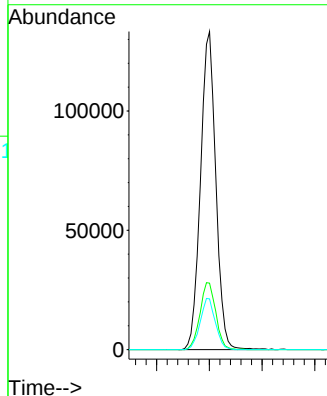
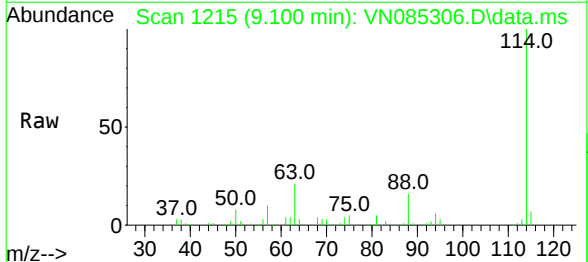
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C11-1-MDL

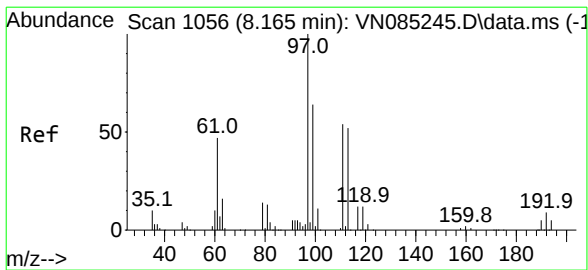
Tgt Ion: 65 Resp: 112123  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 102.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

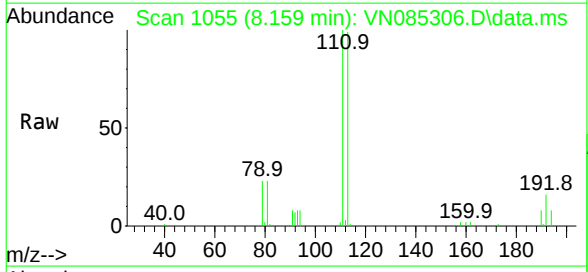
Tgt Ion: 114 Resp: 268390  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 46.2  
88 15.9 0.0 32.6



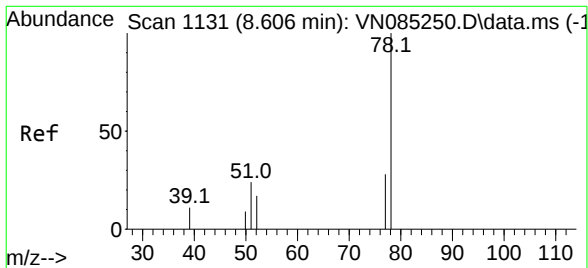
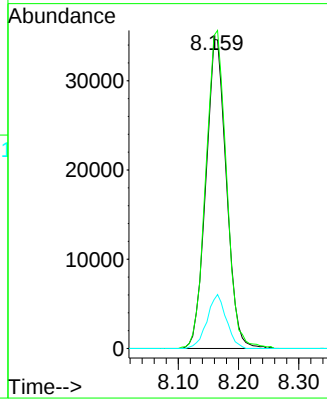
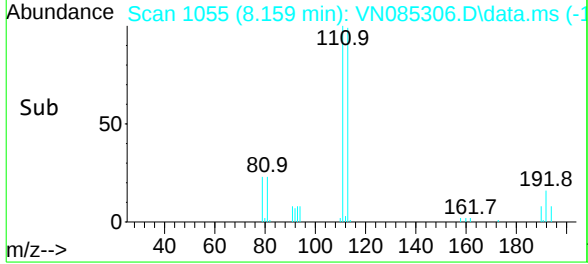


#35  
Dibromofluoromethane  
Concen: 43.556 ug/l  
RT: 8.159 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C11-1-MDL

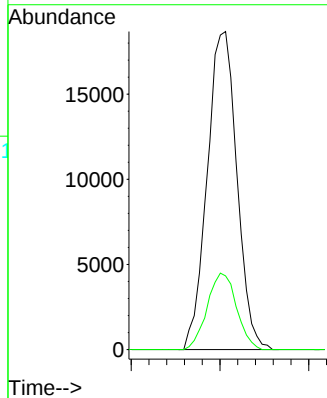
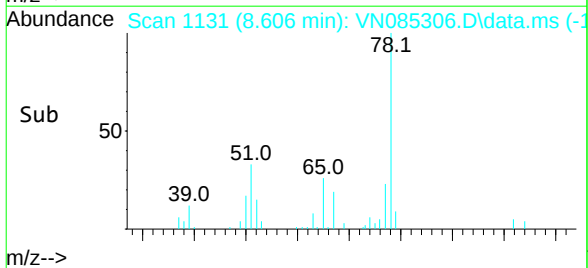
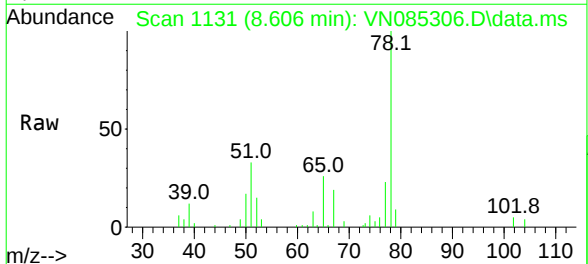


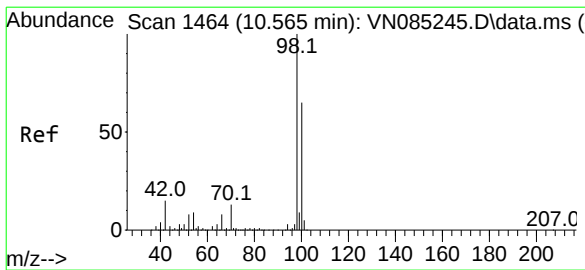
Tgt Ion:113 Resp: 82186  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.1 123.1  
192 16.4 13.4 20.0



#40  
Benzene  
Concen: 5.316 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

Tgt Ion: 78 Resp: 43452  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.9 28.3





#50

Toluene-d8

Concen: 47.154 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085306.D

Acq: 23 Dec 2024 19:59

Instrument :

MSVOA\_N

ClientSampleId :

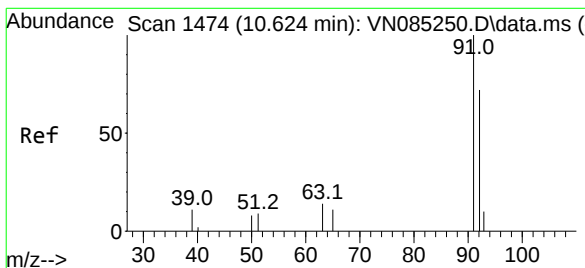
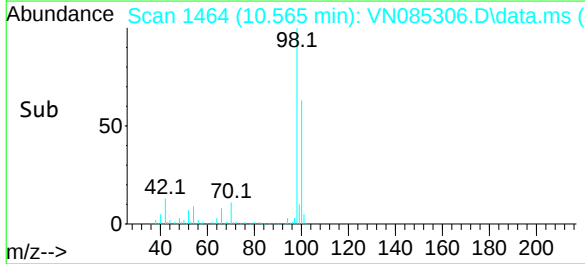
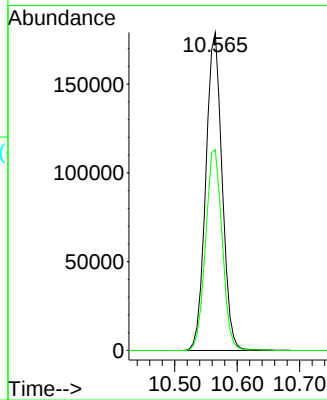
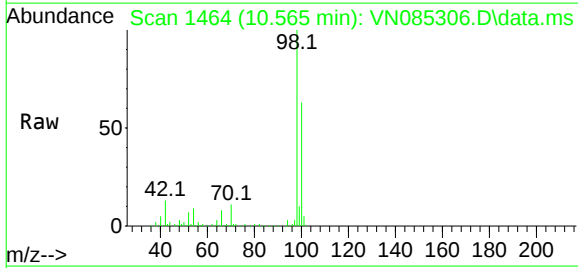
SPLP-C11-1-MDL

Tgt Ion: 98 Resp: 325203

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#52

Toluene

Concen: 5.686 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN085306.D

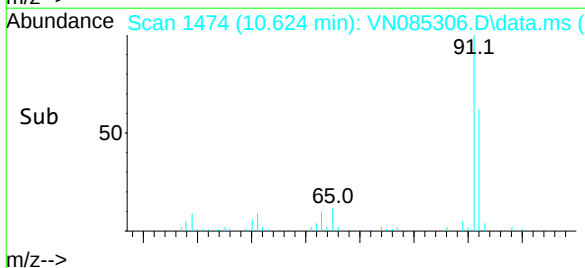
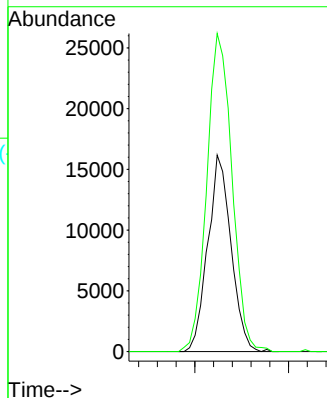
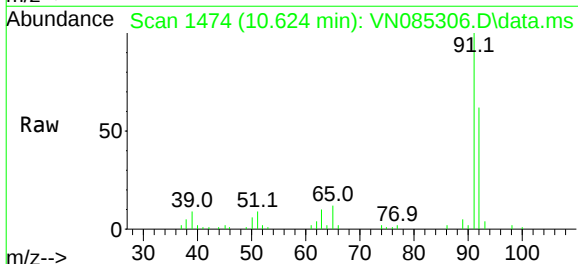
Acq: 23 Dec 2024 19:59

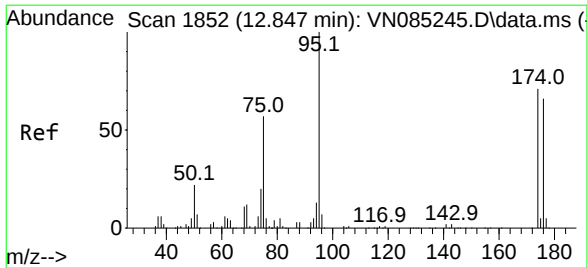
Tgt Ion: 92 Resp: 27944

Ion Ratio Lower Upper

92 100

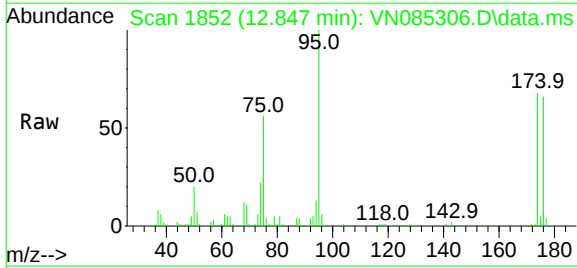
91 174.9 138.9 208.3



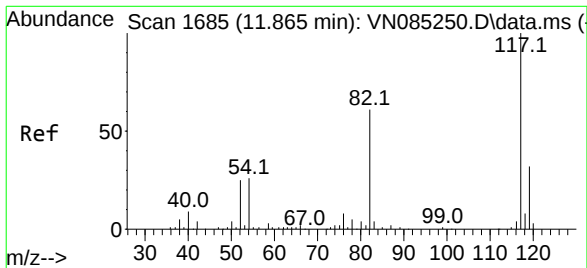
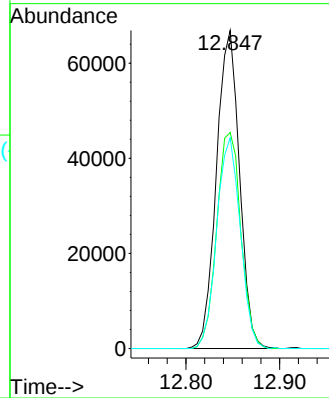
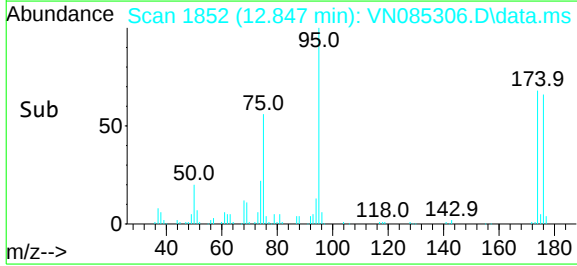


#62  
4-Bromofluorobenzene  
Concen: 46.364 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

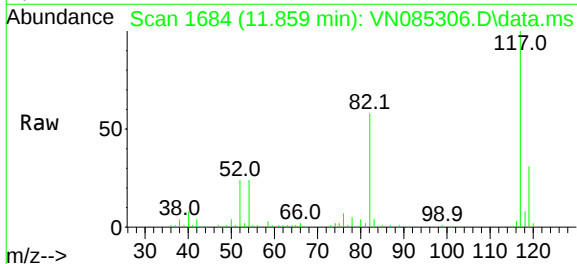
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C11-1-MDL



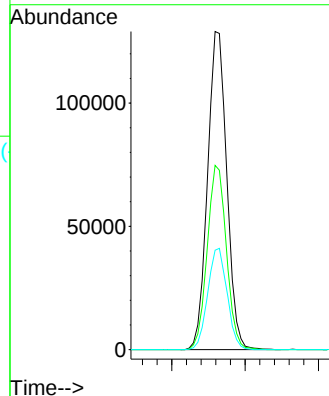
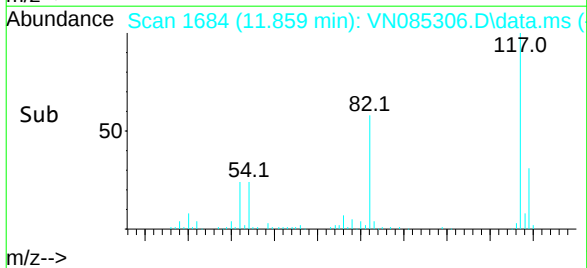
Tgt Ion: 95 Resp: 114209  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 144.4  
176 67.7 0.0 136.6

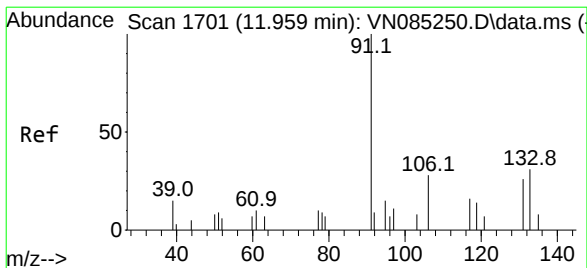


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.859 min Scan# 1684  
Delta R.T. -0.006 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59



Tgt Ion: 117 Resp: 235244  
Ion Ratio Lower Upper  
117 100  
82 57.9 47.4 71.2  
119 31.2 25.6 38.4





#67

Ethyl Benzene

Concen: 38.468 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085306.D

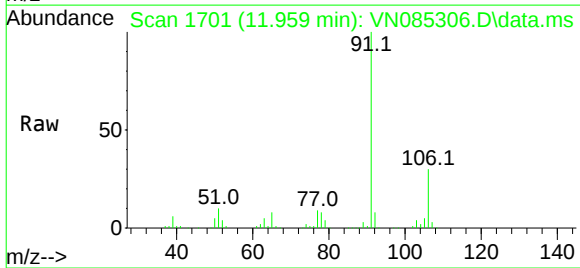
Acq: 23 Dec 2024 19:59

Instrument :

MSVOA\_N

ClientSampleId :

SPLP-C11-1-MDL

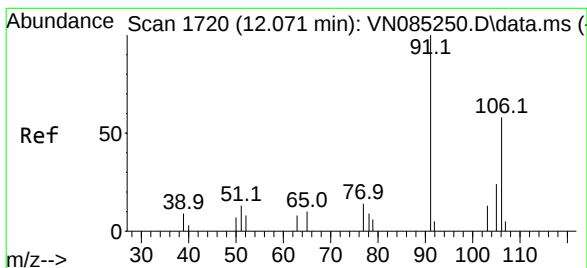
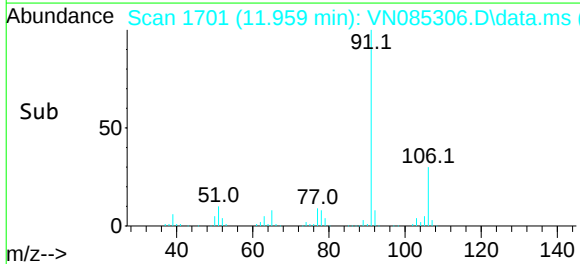
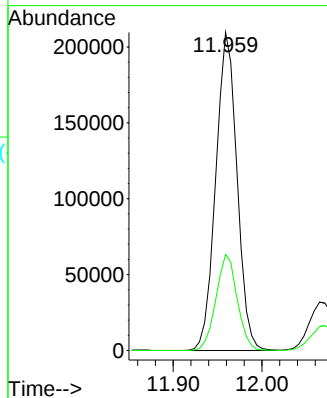


Tgt Ion: 91 Resp: 348657

Ion Ratio Lower Upper

91 100

106 30.2 23.5 35.3



#68

m/p-Xylenes

Concen: 9.298 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN085306.D

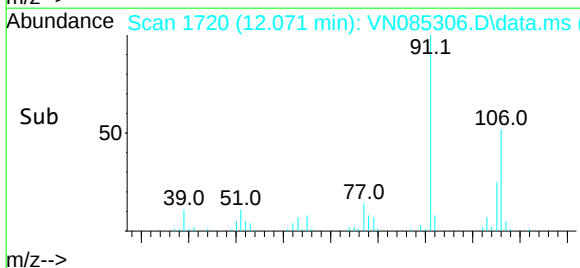
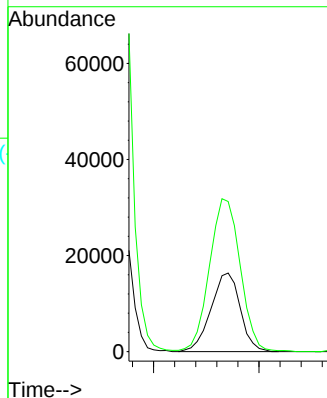
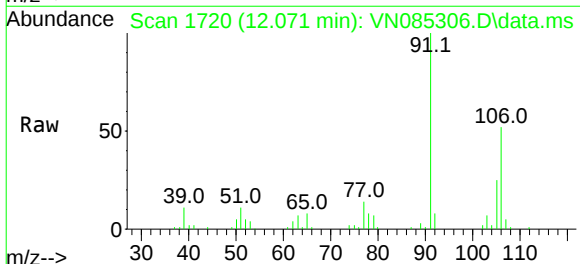
Acq: 23 Dec 2024 19:59

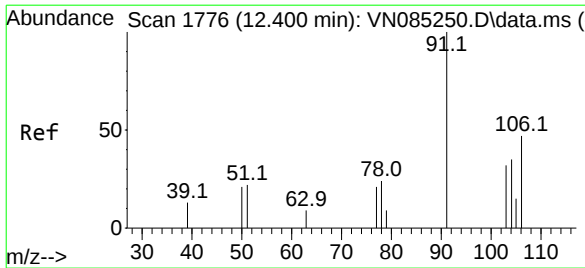
Tgt Ion:106 Resp: 31520

Ion Ratio Lower Upper

106 100

91 205.1 168.3 252.5





#69

o-Xylene

Concen: 9.697 ug/l

RT: 12.394 min Scan# 17

Delta R.T. 0.000 min

Lab File: VN085306.D

Acq: 23 Dec 2024 19:59

Instrument :

MSVOA\_N

ClientSampleId :

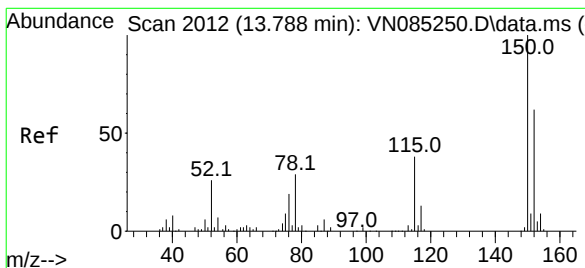
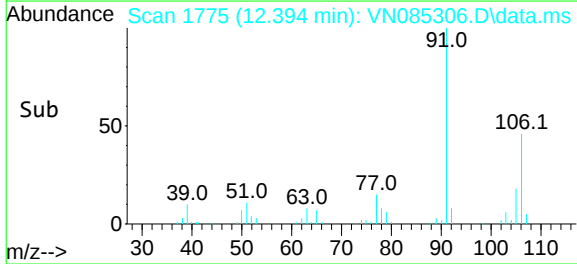
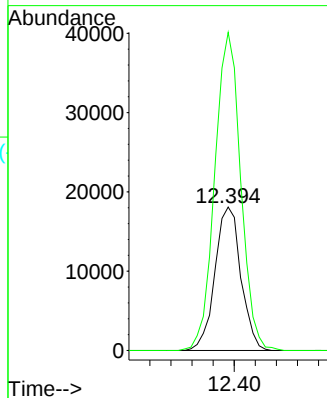
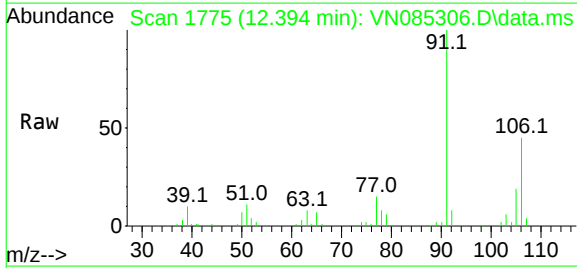
SPLP-C11-1-MDL

Tgt Ion:106 Resp: 30899

Ion Ratio Lower Upper

106 100

91 221.8 112.1 336.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085306.D

Acq: 23 Dec 2024 19:59

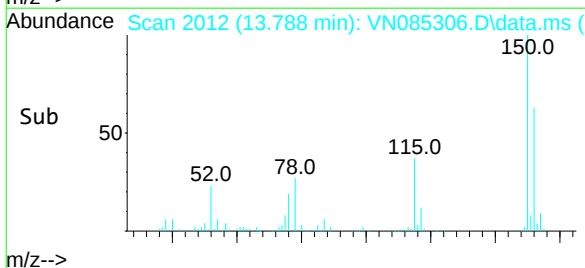
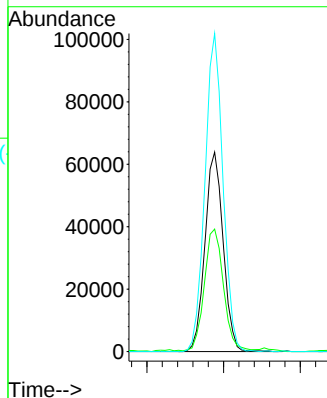
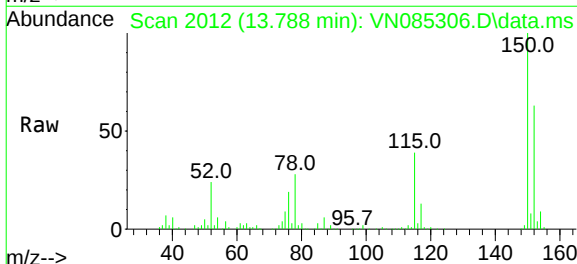
Tgt Ion:152 Resp: 105509

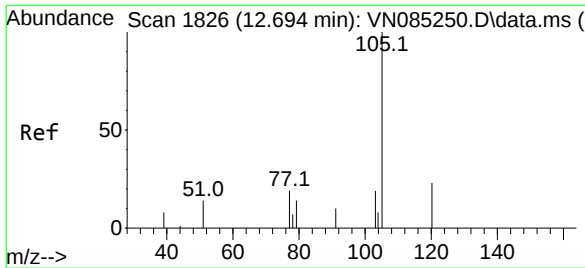
Ion Ratio Lower Upper

152 100

115 63.7 32.1 96.3

150 157.6 0.0 354.6





#73

Isopropylbenzene

Concen: 3.439 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN085306.D

Acq: 23 Dec 2024 19:59

Instrument :

MSVOA\_N

ClientSampleId :

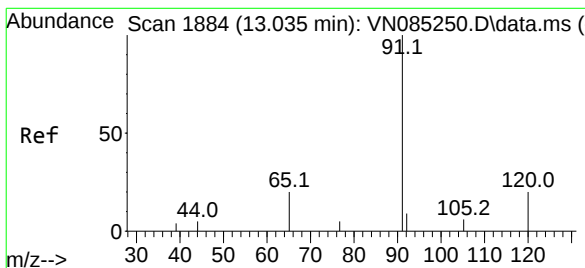
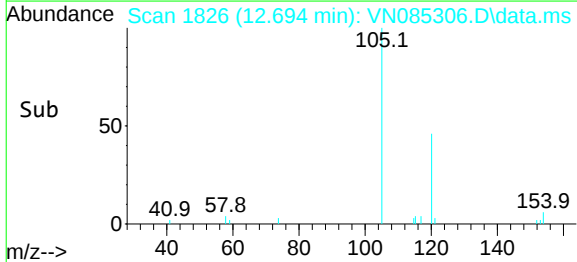
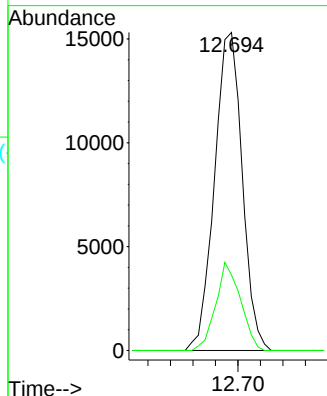
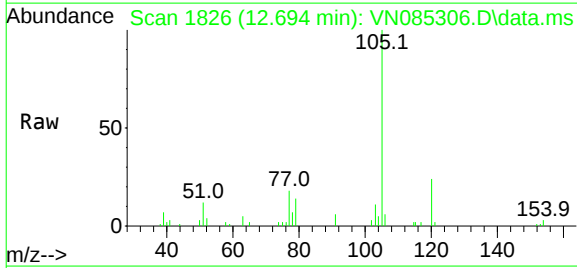
SPLP-C11-1-MDL

Tgt Ion:105 Resp: 26172

Ion Ratio Lower Upper

105 100

120 24.7 13.0 38.9



#78

n-propylbenzene

Concen: 1.551 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN085306.D

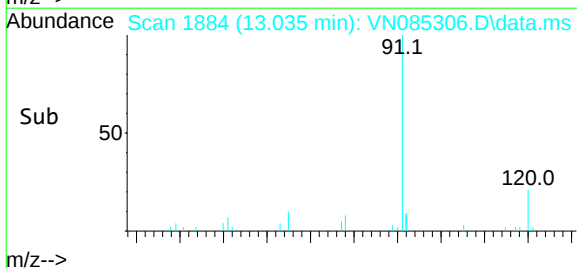
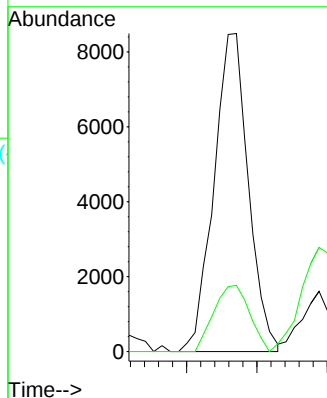
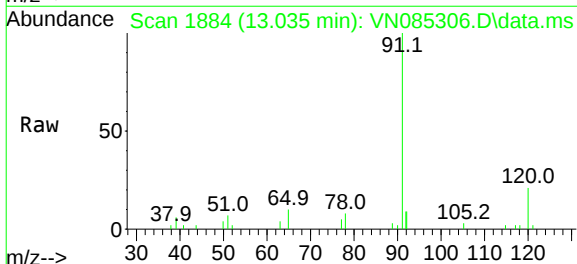
Acq: 23 Dec 2024 19:59

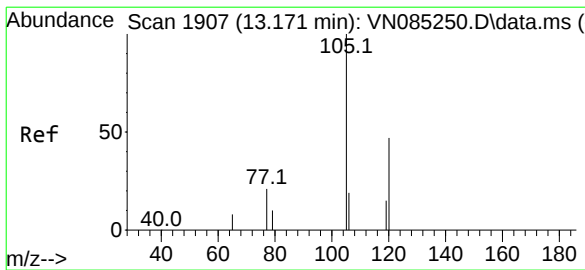
Tgt Ion: 91 Resp: 14482

Ion Ratio Lower Upper

91 100

120 21.6 10.8 32.3

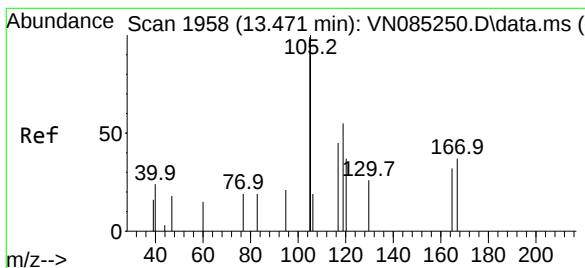
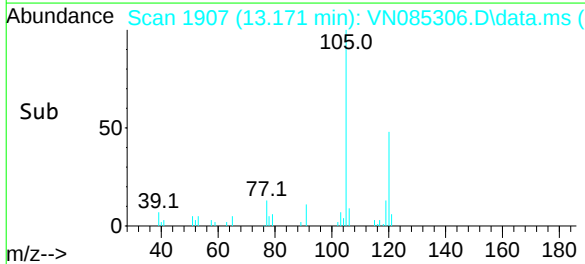
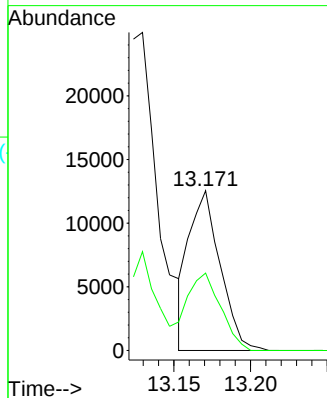
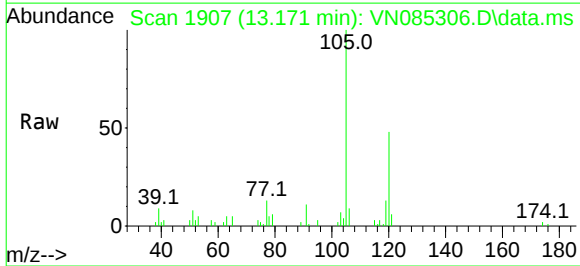




#80  
1,3,5-Trimethylbenzene  
Concen: 2.801 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

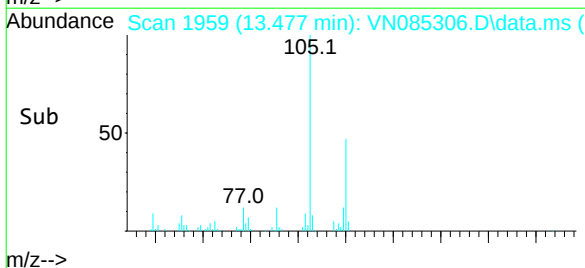
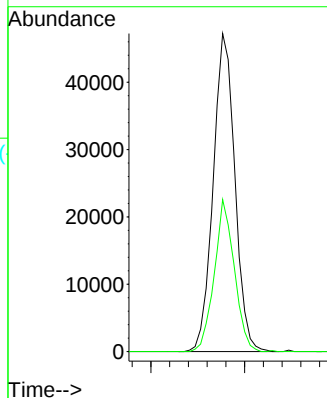
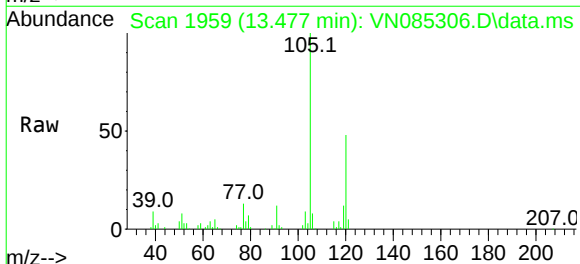
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C11-1-MDL

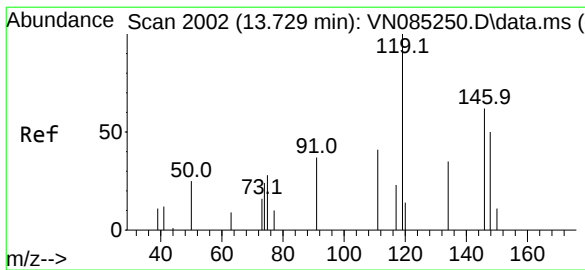
Tgt Ion:105 Resp: 17782  
Ion Ratio Lower Upper  
105 100  
120 54.1 23.4 70.2



#84  
1,2,4-Trimethylbenzene  
Concen: 11.676 ug/l  
RT: 13.477 min Scan# 1959  
Delta R.T. -0.006 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

Tgt Ion:105 Resp: 75771  
Ion Ratio Lower Upper  
105 100  
120 44.1 21.8 65.3

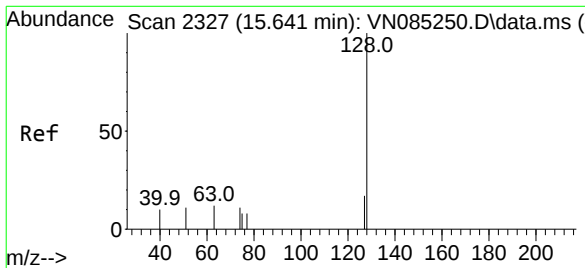
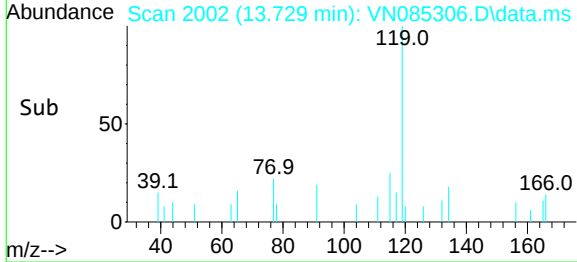
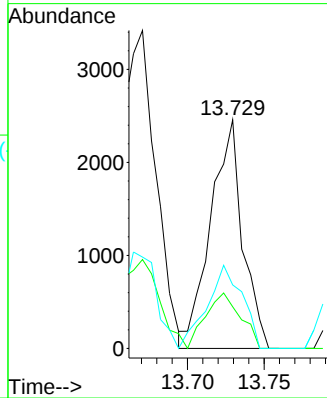
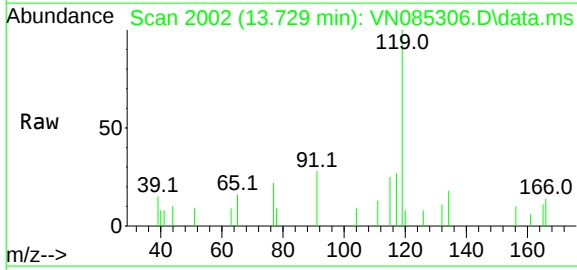




#86  
p-Isopropyltoluene  
Concen: 2.419 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPLP-C11-1-MDL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 3565  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 26.5  | 12.5  | 37.5  |
| 91       | 0.0   | 13.0  | 38.9  |



#95  
Naphthalene  
Concen: 469.217 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. -0.006 min  
Lab File: VN085306.D  
Acq: 23 Dec 2024 19:59

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 128   | Resp: | 2722597 |
| Ion      | Ratio | Lower | Upper   |
| 128      | 100   |       |         |
| 127      | 13.2  | 10.3  | 15.5    |
| 129      | 10.8  | 8.6   | 13.0    |

