

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\  
 Data File : VN061712.D  
 Acq On : 8 Jun 2020 21:36  
 Operator : JC/MD  
 Sample : L2923-10 100X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 23850

Quant Time: Jun 09 04:45:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 29 02:14:10 2020  
 Response via : Initial Calibration

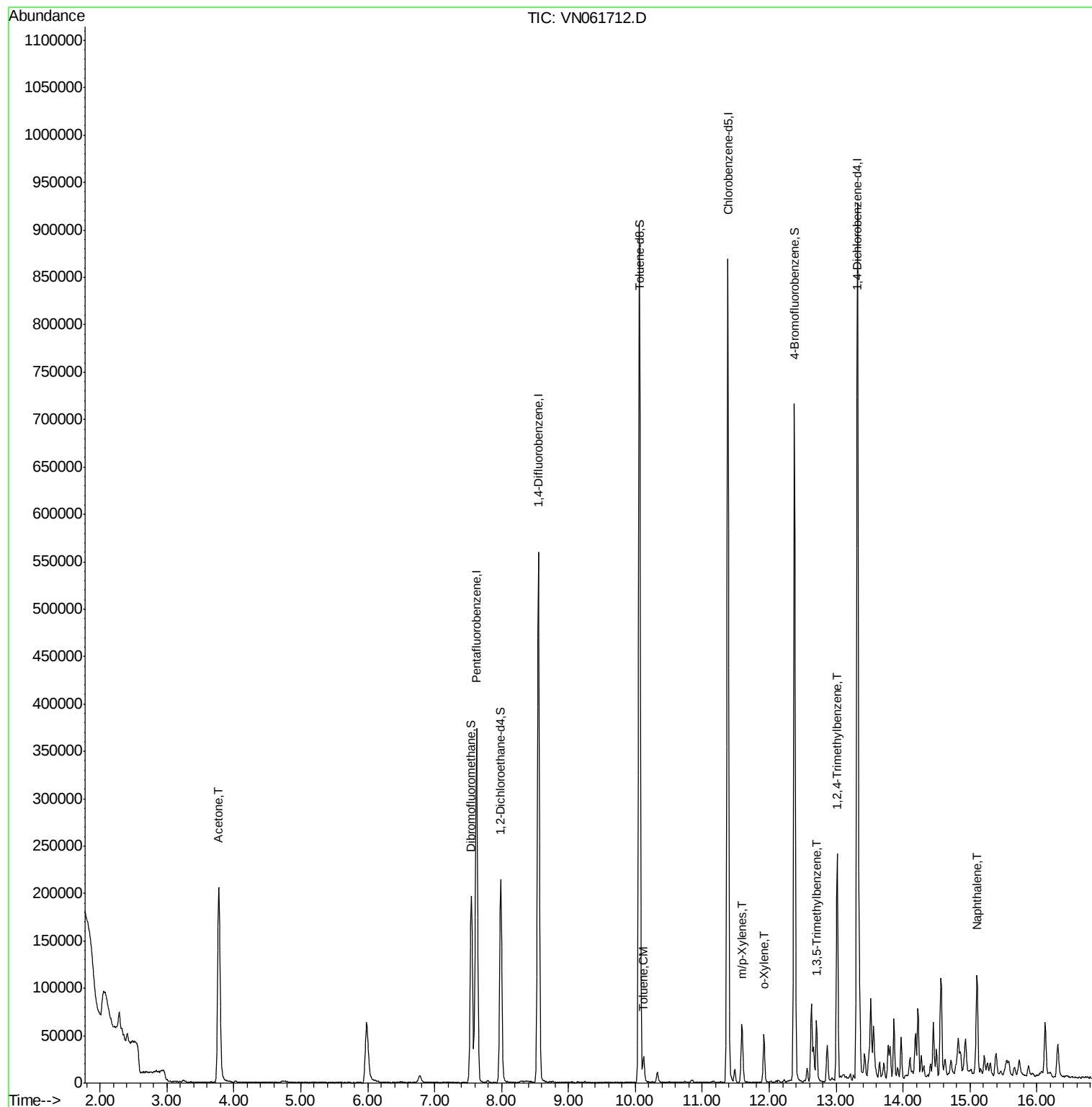
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 315867   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 545403   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 540755   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 268232   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 179868   | 47.79   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 95.58%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 156204   | 56.46   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 112.92% |          |
| 50) Toluene-d8              | 10.06 | 98   | 650016   | 50.70   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 101.40% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 245673   | 52.52   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 105.04% |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 3.77  | 43   | 338736   | 328.542 | ug/l    | 97       |
| 52) Toluene                 | 10.13 | 92   | 11521    | 1.185   | ug/l    | 96       |
| 68) m/p-Xylenes             | 11.59 | 106  | 21141    | 2.744   | ug/l    | 96       |
| 69) o-Xylene                | 11.92 | 106  | 14806    | 2.024   | ug/l    | 97       |
| 80) 1,3,5-Trimethylbenzene  | 12.71 | 105  | 30706    | 1.877   | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.01 | 105  | 143625   | 8.835   | ug/l    | 99       |
| 95) Naphthalene             | 15.10 | 128  | 91675    | 6.090   | ug/l    | 98       |

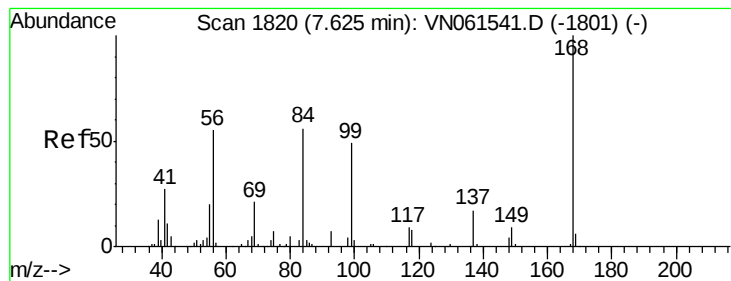
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\  
Data File : VN061712.D  
Acq On : 8 Jun 2020 21:36  
Operator : JC/MD  
Sample : L2923-10 100X  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
23850

Quant Time: Jun 09 04:45:40 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 29 02:14:10 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061712.D

Acq: 8 Jun 2020 21:36

Instrument :

MSVOA\_N

ClientSampleId :

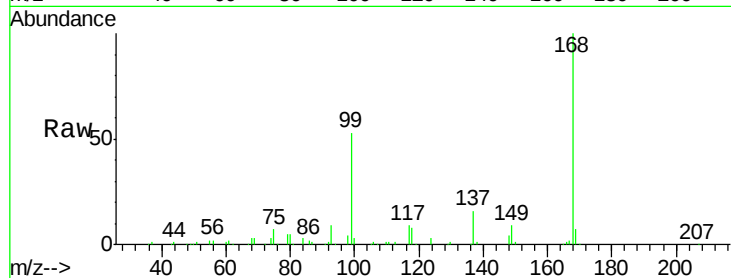
23850

Tot Ion:168 Resp: 315867

Ion Ratio Lower Upper

168 100

99 52.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

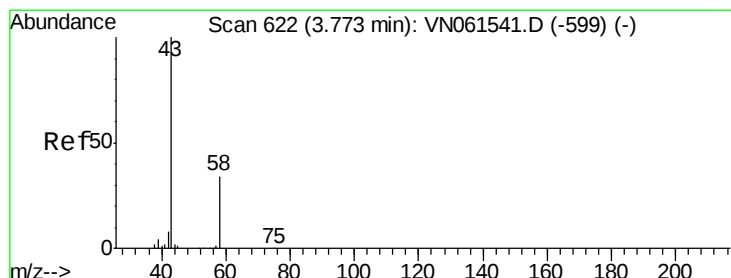
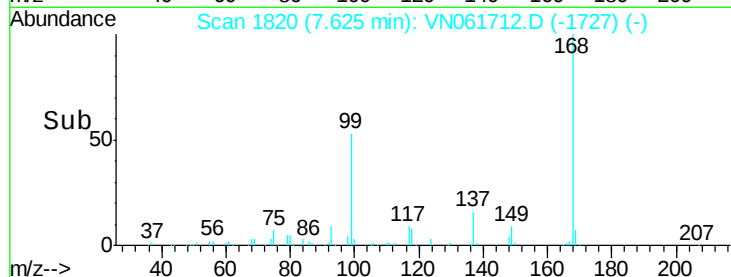
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 328.542 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061712.D

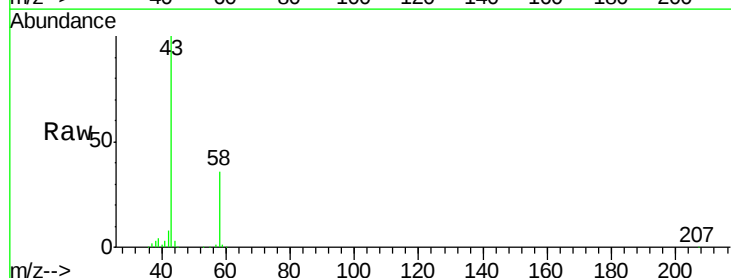
Acq: 8 Jun 2020 21:36

Tgt Ion: 43 Resp: 338736

Ion Ratio Lower Upper

43 100

58 35.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.77

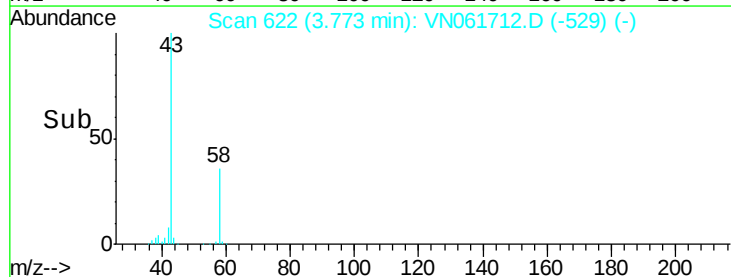
150000

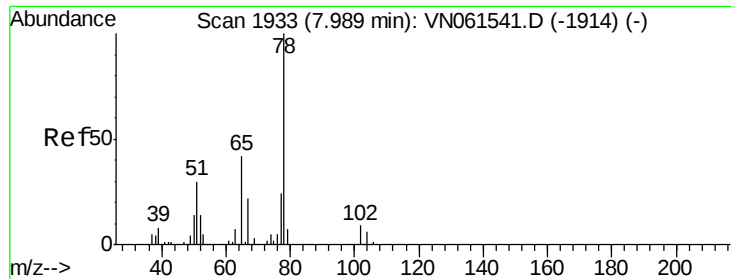
100000

50000

0

Time--> 3.70 3.80 3.90

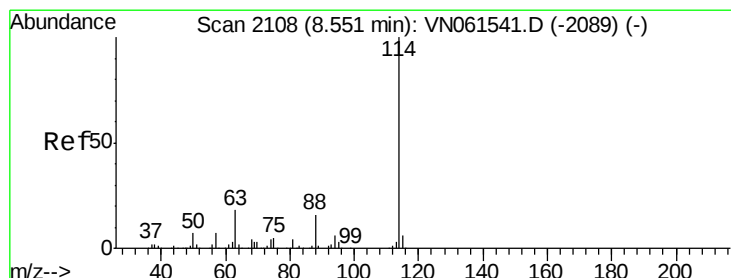
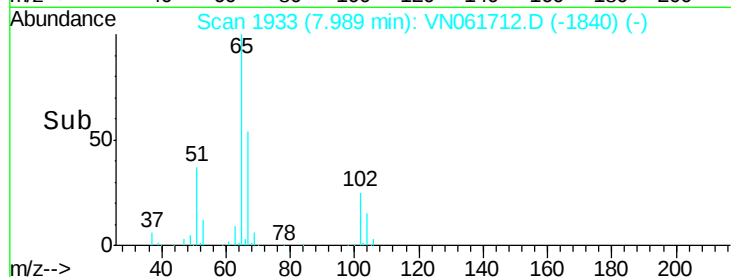
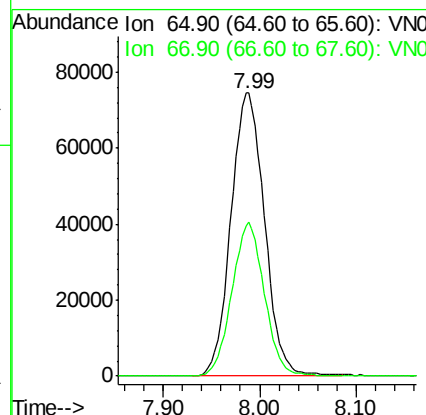
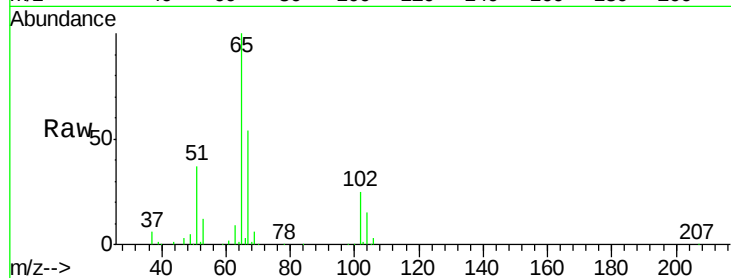




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.795 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. 0.00 min  
 Lab File: VN061712.D  
 Acq: 8 Jun 2020 21:36

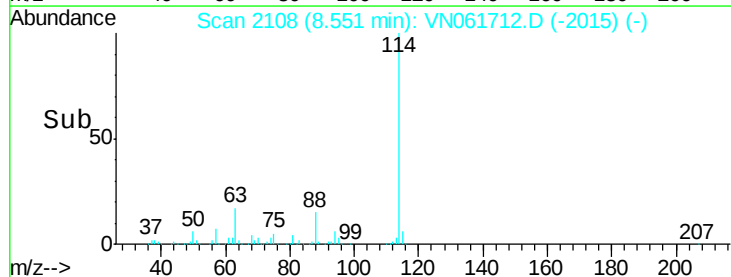
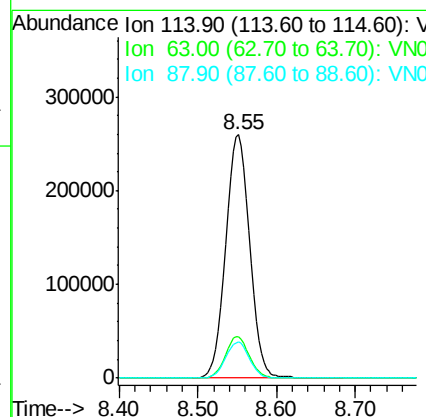
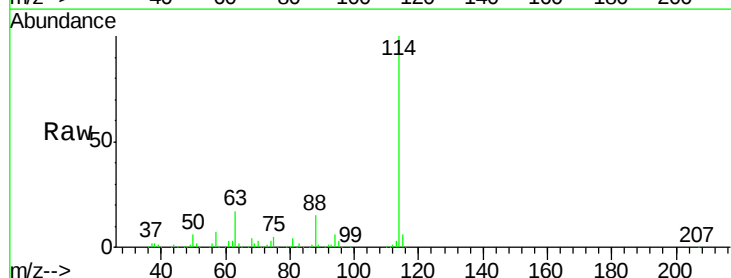
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 23850

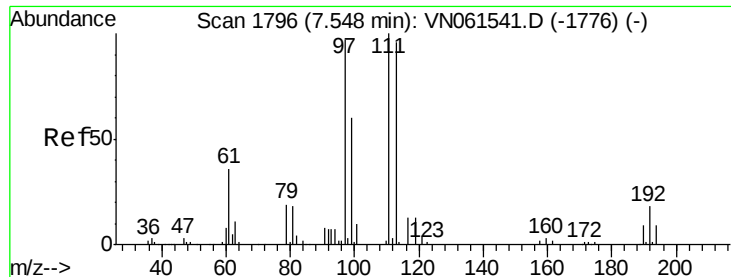
Tot Ion: 65 Resp: 179868  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. 0.00 min  
 Lab File: VN061712.D  
 Acq: 8 Jun 2020 21:36

Tgt Ion: 114 Resp: 545403  
 Ion Ratio Lower Upper  
 114 100  
 63 17.0 0.0 35.8  
 88 14.8 0.0 31.0

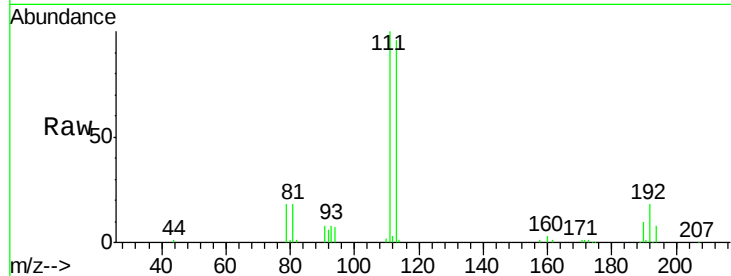




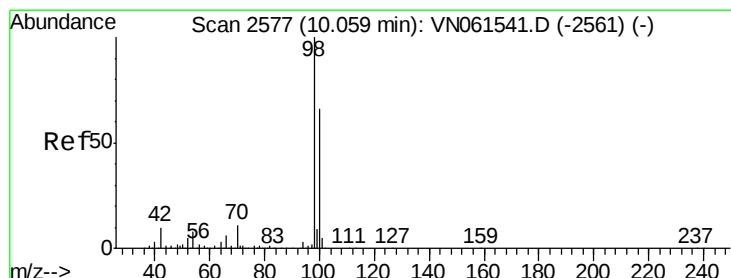
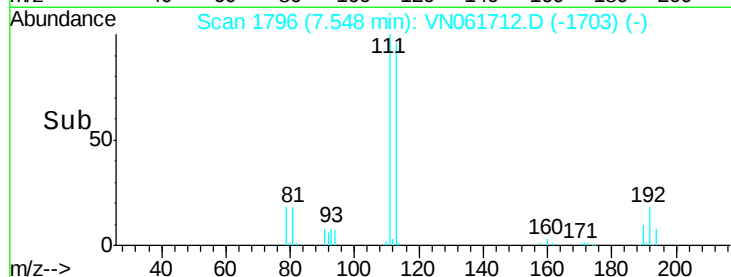
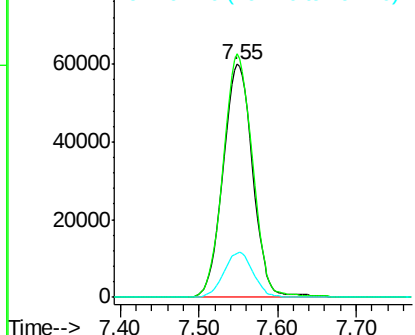
#35  
Dibromofluoromethane  
Concen: 56.458 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: VN061712.D  
Acq: 8 Jun 2020 21:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
23850

Tot Ion:113 Resp: 156204  
Ion Ratio Lower Upper  
113 100  
111 103.2 83.4 125.0  
192 19.1 15.4 23.2

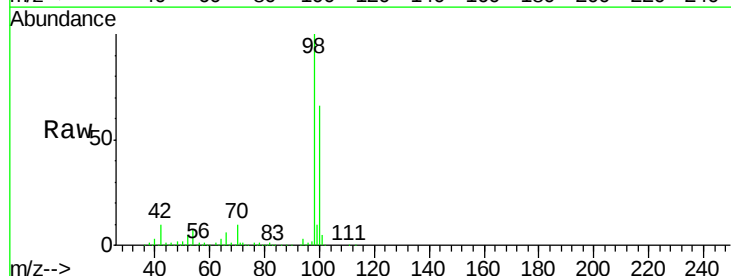


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

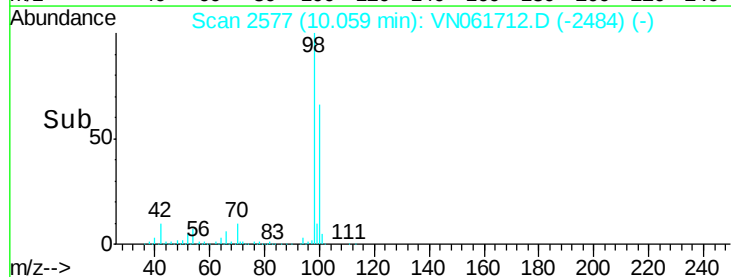
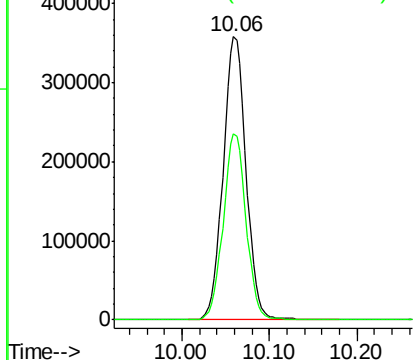


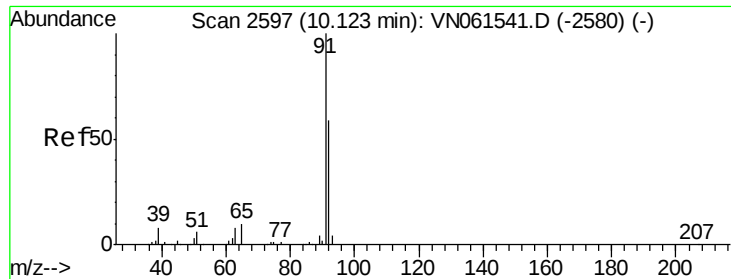
#50  
Toluene-d8  
Concen: 50.698 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. 0.00 min  
Lab File: VN061712.D  
Acq: 8 Jun 2020 21:36

Tgt Ion: 98 Resp: 650016  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN  
Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 1.185 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061712.D

Acq: 8 Jun 2020 21:36

Instrument :

MSVOA\_N

ClientSampled :

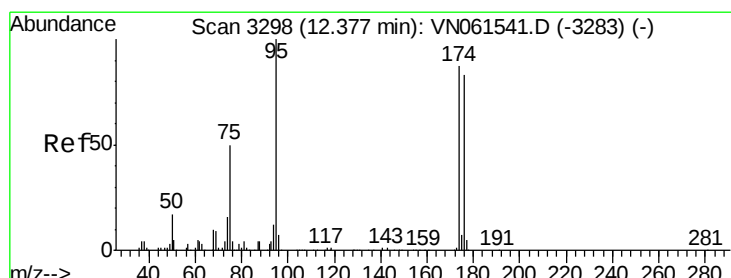
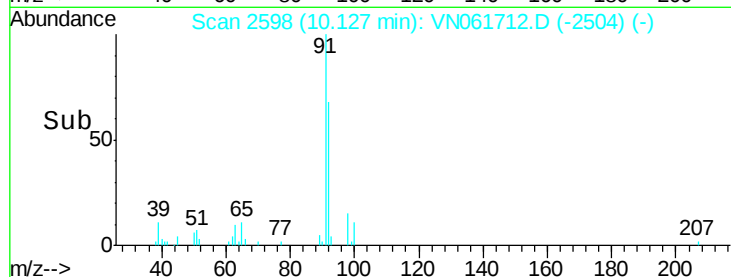
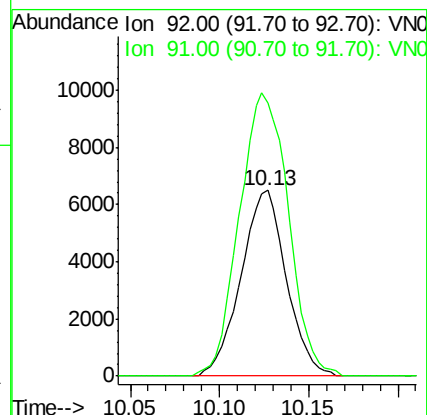
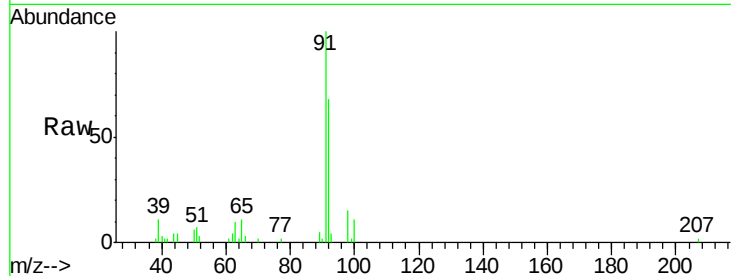
23850

Tot Ion: 92 Resp: 11521

Ion Ratio Lower Upper

92 100

91 164.8 136.4 204.6



#62

4-Bromofluorobenzene

Concen: 52.520 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061712.D

Acq: 8 Jun 2020 21:36

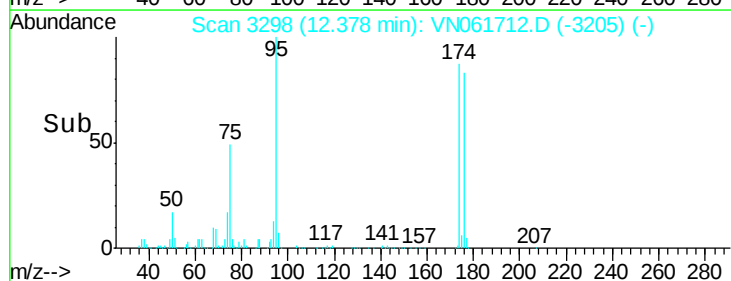
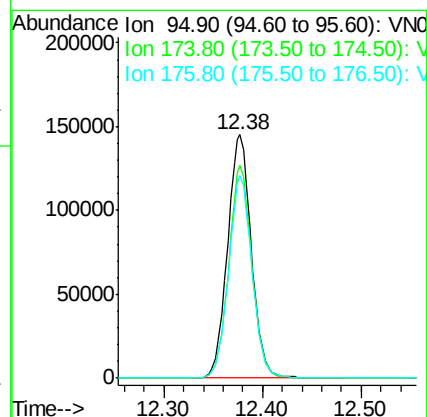
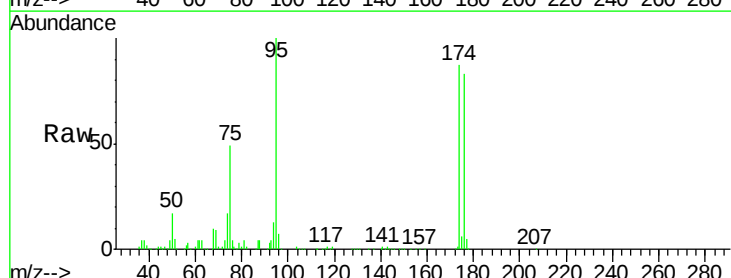
Tgt Ion: 95 Resp: 245673

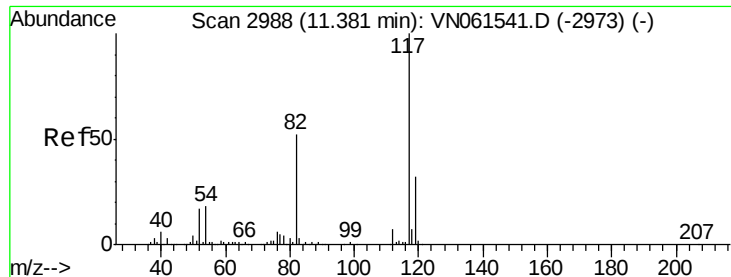
Ion Ratio Lower Upper

95 100

174 85.2 0.0 172.8

176 81.7 0.0 164.8

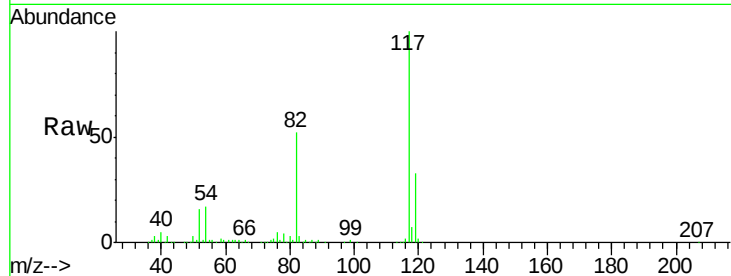




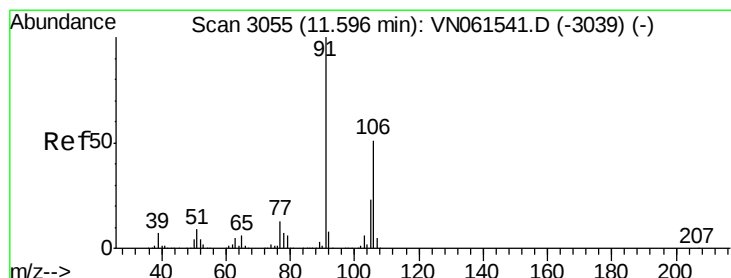
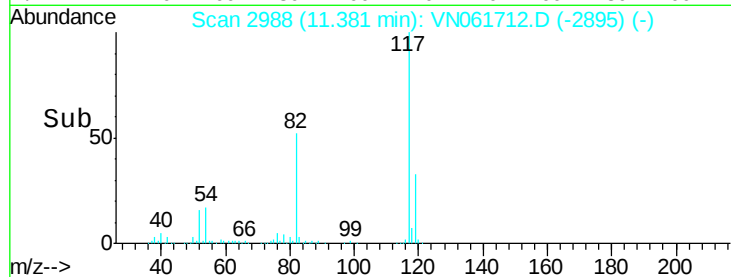
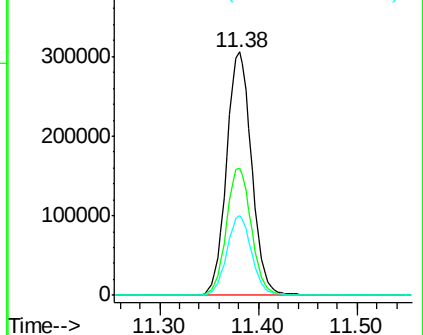
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN061712.D  
Acq: 8 Jun 2020 21:36

Instrument :  
MSVOA\_N  
ClientSampled :  
23850

Tot Ion:117 Resp: 540755  
Ion Ratio Lower Upper  
117 100  
82 52.4 41.5 62.3  
119 32.8 25.6 38.4

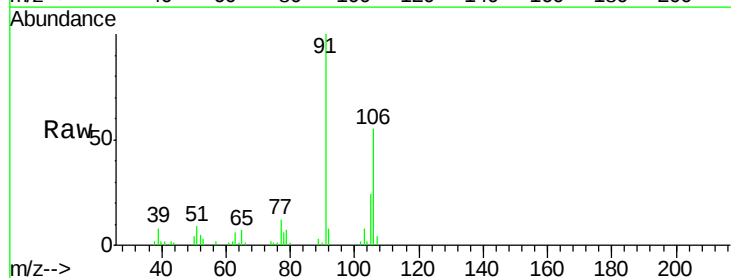


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

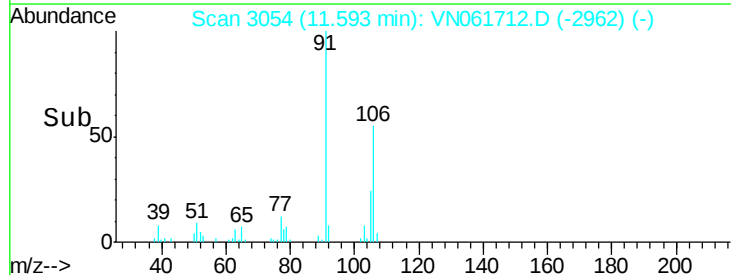
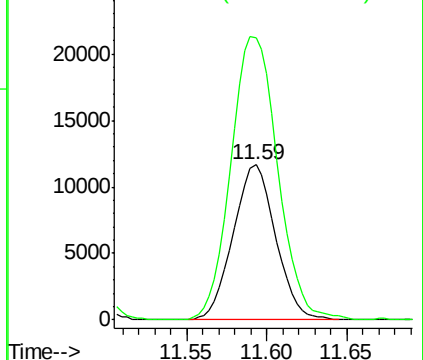


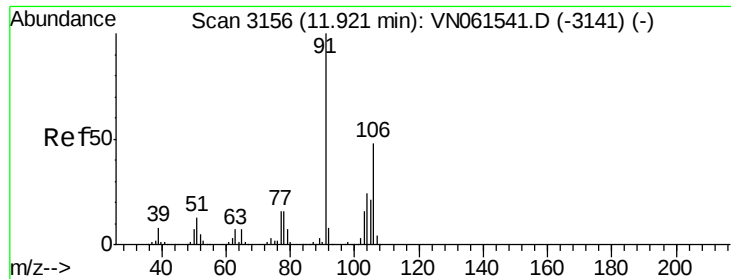
#68  
m/p-Xylenes  
Concen: 2.744 ug/l  
RT: 11.59 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN061712.D  
Acq: 8 Jun 2020 21:36

Tgt Ion:106 Resp: 21141  
Ion Ratio Lower Upper  
106 100  
91 200.9 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

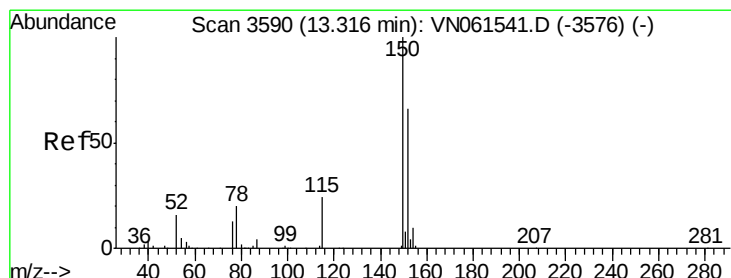
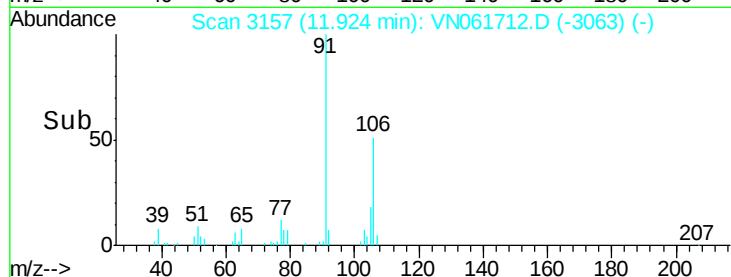
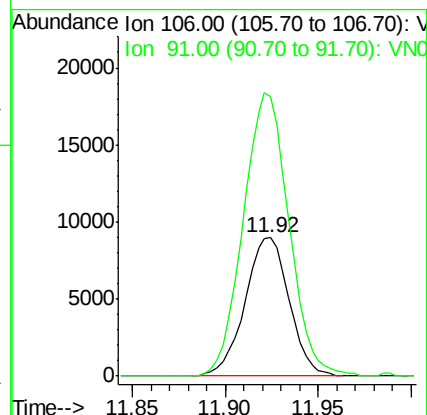
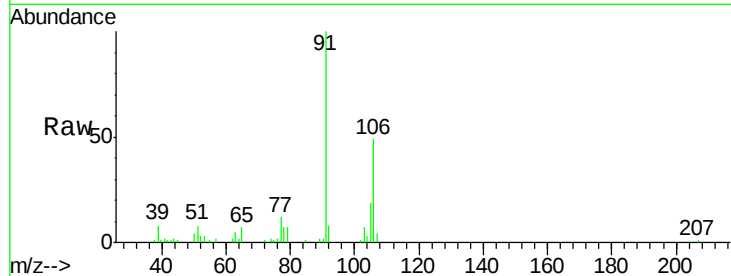




#69  
o-Xylene  
Concen: 2.024 ug/l  
RT: 11.92 min Scan# 3157  
Delta R.T. 0.00 min  
Lab File: VN061712.D  
Acq: 8 Jun 2020 21:36

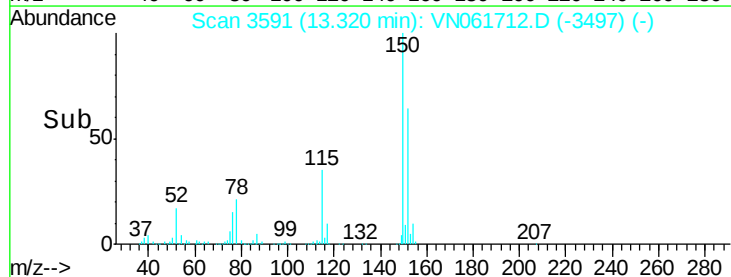
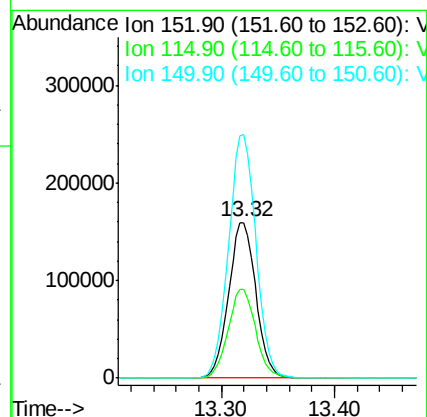
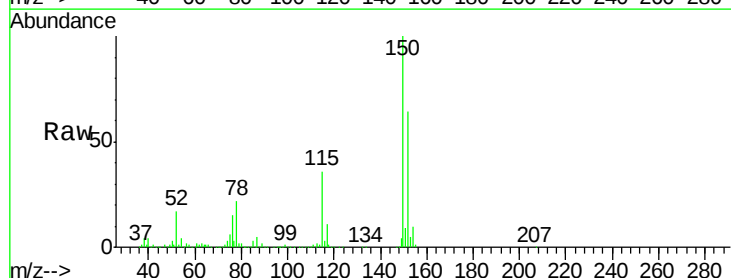
Instrument :  
MSVOA\_N  
ClientSampled :  
23850

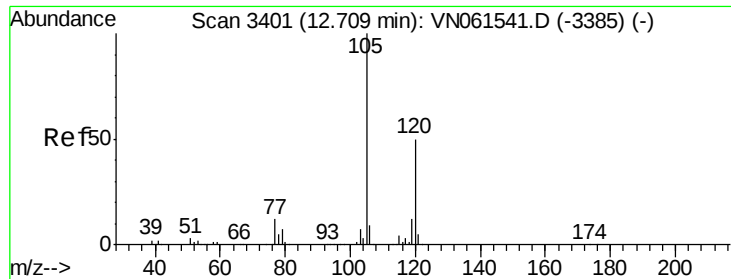
Tot Ion:106 Resp: 14806  
Ion Ratio Lower Upper  
106 100  
91 211.7 103.3 309.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN061712.D  
Acq: 8 Jun 2020 21:36

Tgt Ion:152 Resp: 268232  
Ion Ratio Lower Upper  
152 100  
115 57.8 28.0 84.0  
150 157.2 0.0 344.0

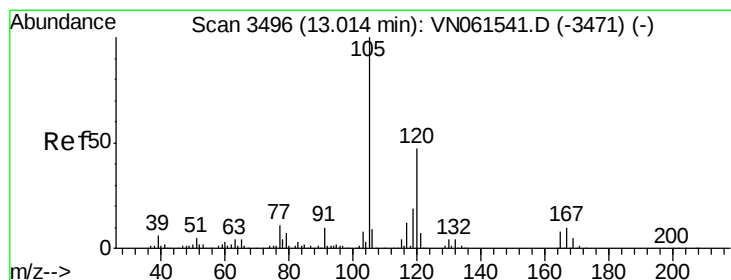
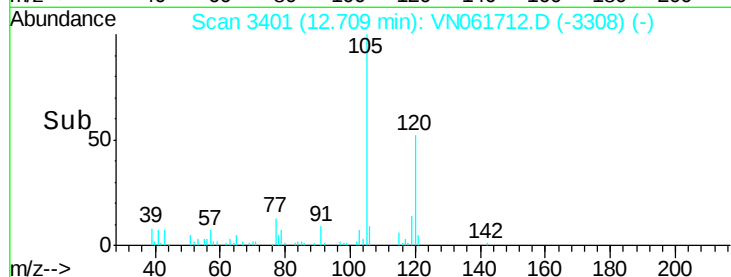
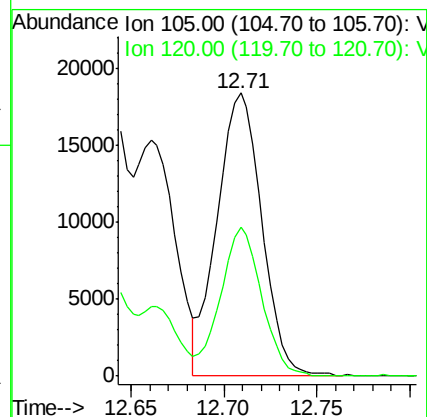
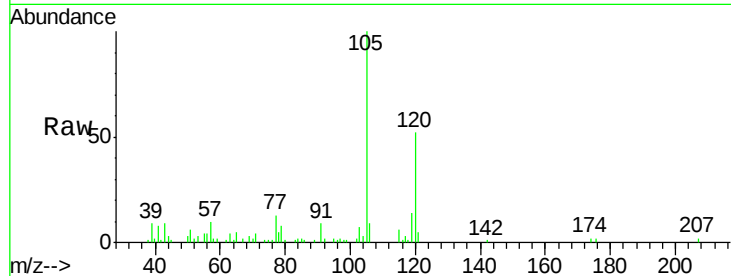




#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.877 ug/l  
 RT: 12.71 min Scan# 3401  
 Delta R.T. 0.00 min  
 Lab File: VN061712.D  
 Acq: 8 Jun 2020 21:36

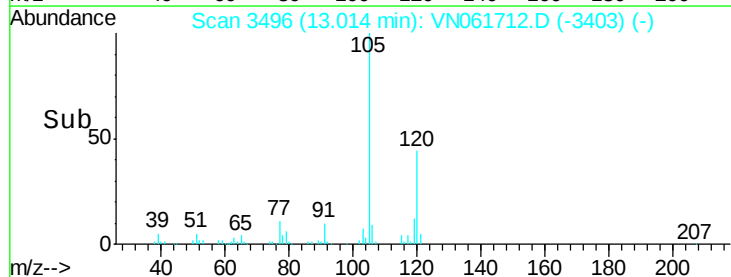
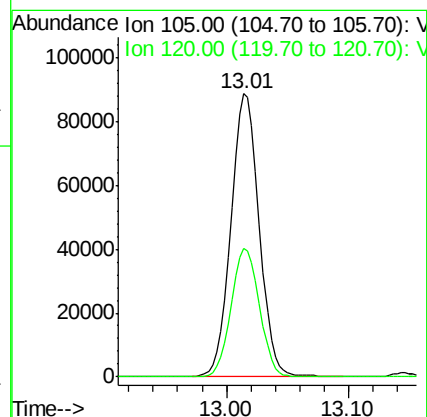
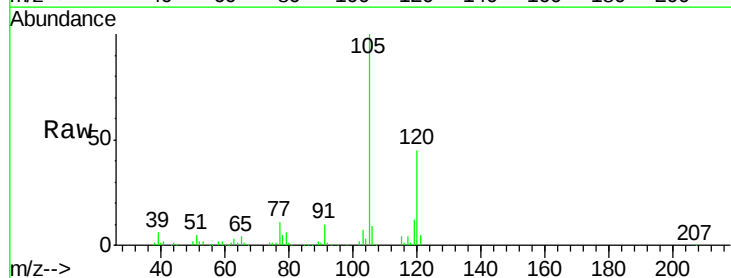
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 23850

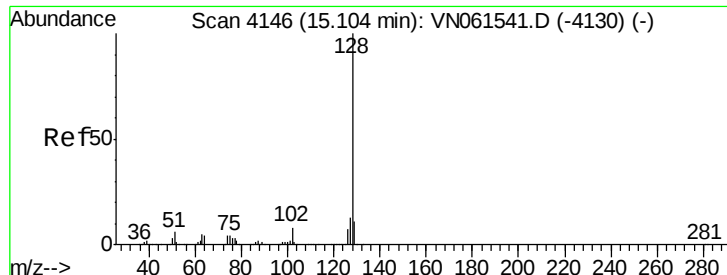
Tot Ion:105 Resp: 30706  
 Ion Ratio Lower Upper  
 105 100  
 120 48.6 25.1 75.2



#84  
 1,2,4-Trimethylbenzene  
 Concen: 8.835 ug/l  
 RT: 13.01 min Scan# 3496  
 Delta R.T. 0.00 min  
 Lab File: VN061712.D  
 Acq: 8 Jun 2020 21:36

Tgt Ion:105 Resp: 143625  
 Ion Ratio Lower Upper  
 105 100  
 120 45.5 23.2 69.5

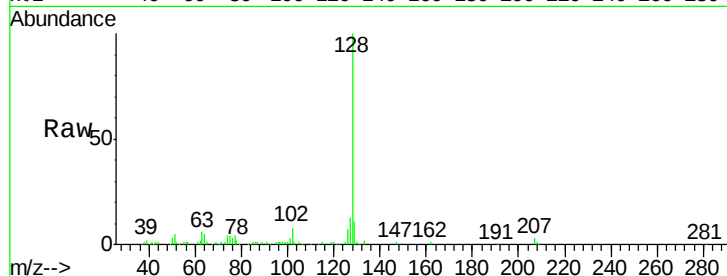




#95  
Naphthalene  
Concen: 6.090 ug/l  
RT: 15.10 min Scan# 4146  
Delta R.T. 0.00 min  
Lab File: VN061712.D  
Acq: 8 Jun 2020 21:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
23850

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.0  | 15.0  |
| 129     | 11.7  | 8.5   | 12.7  |



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

