

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\  
 Data File : VN058392.D  
 Acq On : 26 Sep 2019 17:33  
 Operator : JC/SP  
 Sample : K5037-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 40241

Quant Time: Sep 27 05:26:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 09:27:53 2019  
 Response via : Initial Calibration

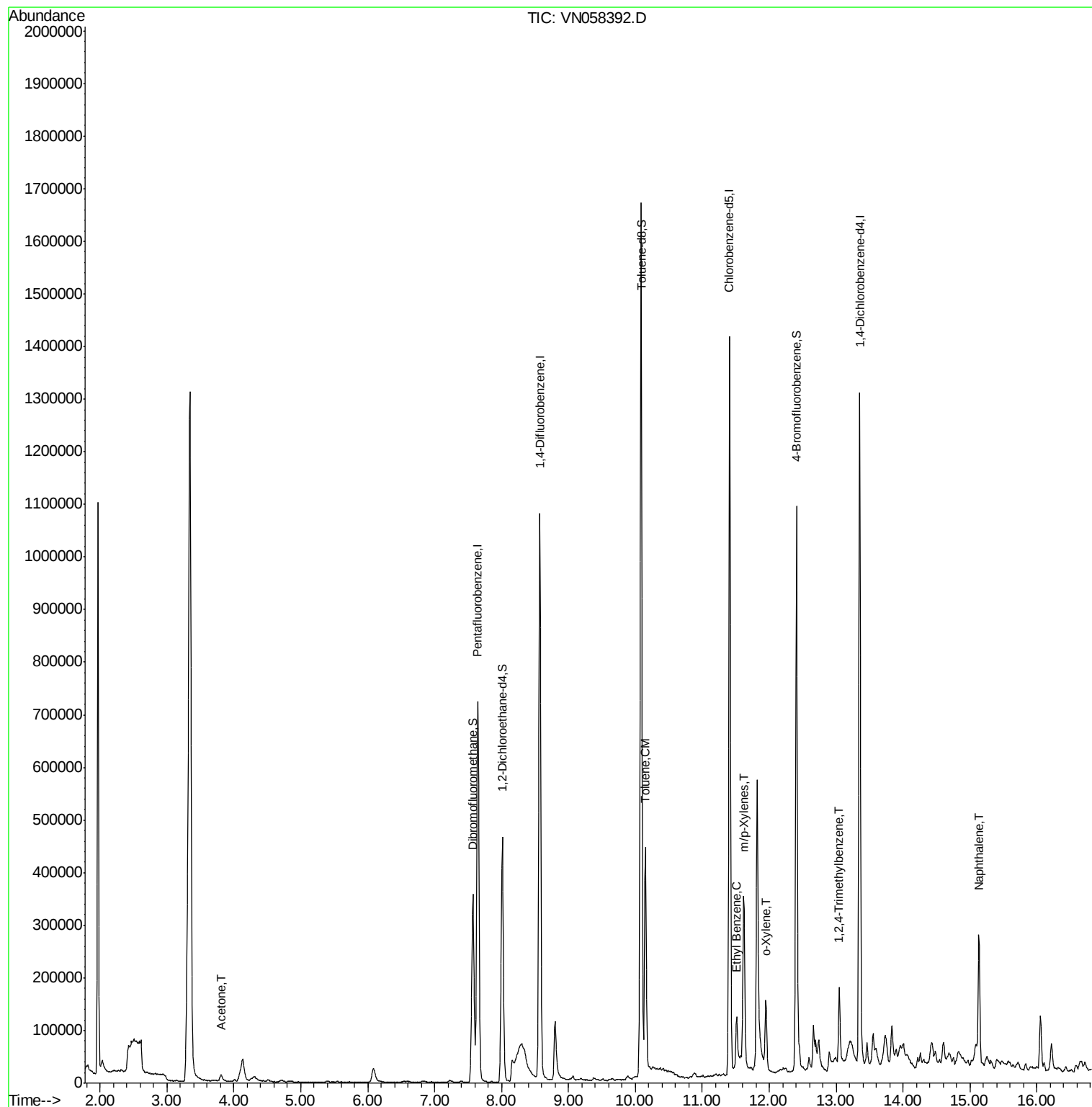
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 576158   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 922739   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 758567   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 323347   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 398634   | 49.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.36%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 266391   | 47.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.98%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1125945  | 51.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.04% |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 365343   | 45.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.00%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.81  | 43   | 20660    | 7.585  | ug/l    | 97       |
| 52) Toluene                 | 10.15 | 92   | 182139   | 14.299 | ug/l    | 100      |
| 67) Ethyl Benzene           | 11.51 | 91   | 67984    | 2.974  | ug/l    | 99       |
| 68) m/p-Xylenes             | 11.62 | 106  | 97985    | 11.379 | ug/l    | 96       |
| 69) o-Xylene                | 11.95 | 106  | 33280    | 3.931  | ug/l    | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.05 | 105  | 82303    | 4.832  | ug/l    | 99       |
| 95) Naphthalene             | 15.14 | 128  | 193273   | 12.514 | ug/l    | 99       |

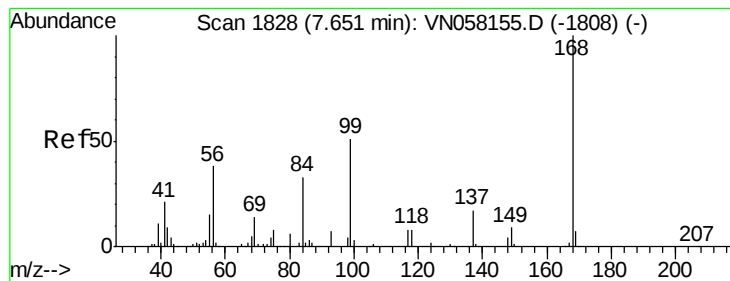
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092619\  
Data File : VN058392.D  
Acq On : 26 Sep 2019 17:33  
Operator : JC/SP  
Sample : K5037-01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
40241

Quant Time: Sep 27 05:26:15 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 19 09:27:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058392.D

Acq: 26 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

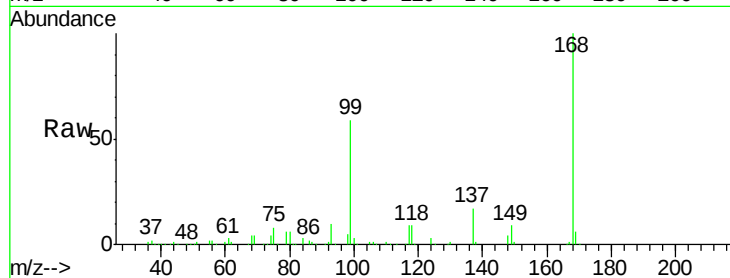
40241

Tot Ion:168 Resp: 576158

Ion Ratio Lower Upper

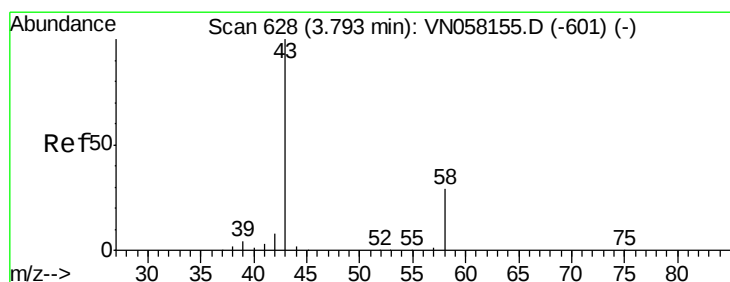
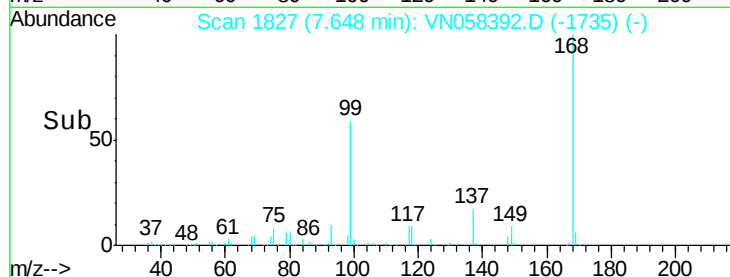
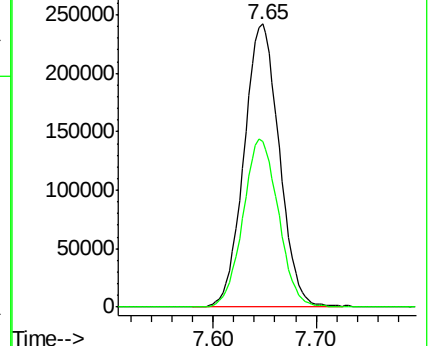
168 100

99 58.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 7.585 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058392.D

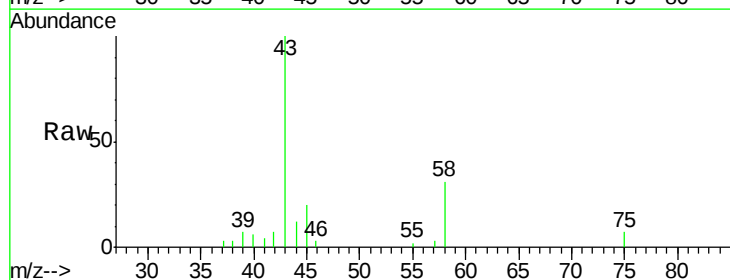
Acq: 26 Sep 2019 17:33

Tgt Ion: 43 Resp: 20660

Ion Ratio Lower Upper

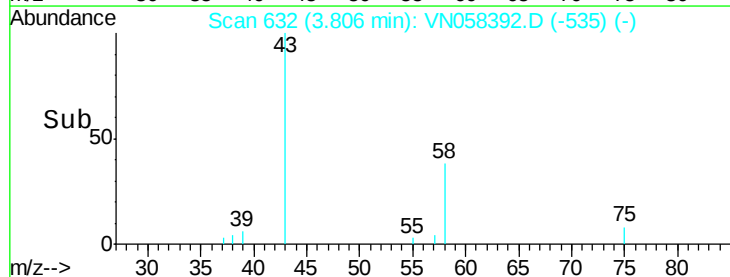
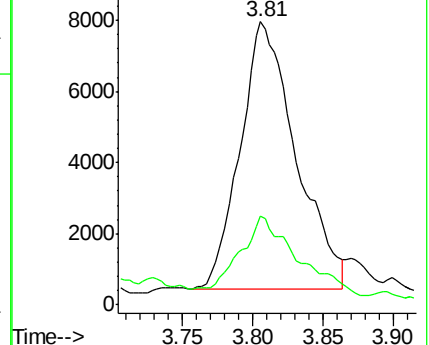
43 100

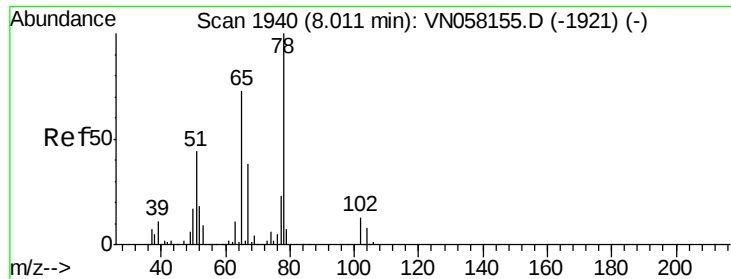
58 27.5 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#33

1,2-Dichloroethane-d4

Concen: 49.676 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058392.D

Acq: 26 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

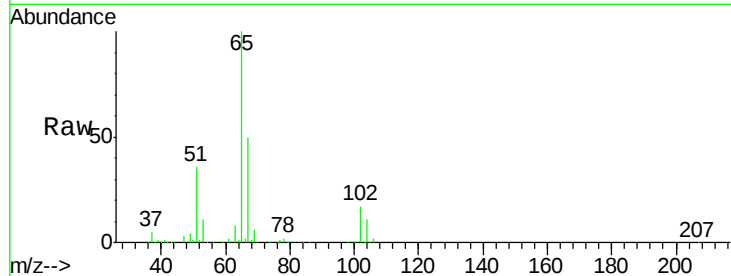
40241

Tot Ion: 65 Resp: 398634

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN058392.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058392.D (-1847) (-)

8.01

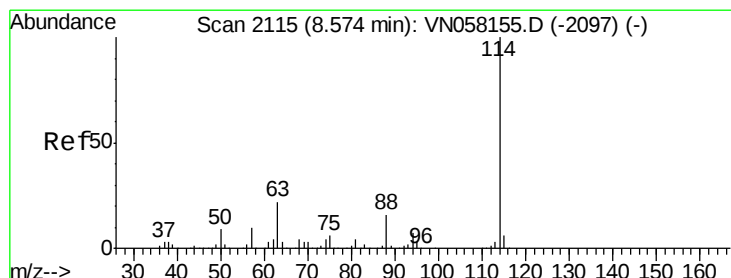
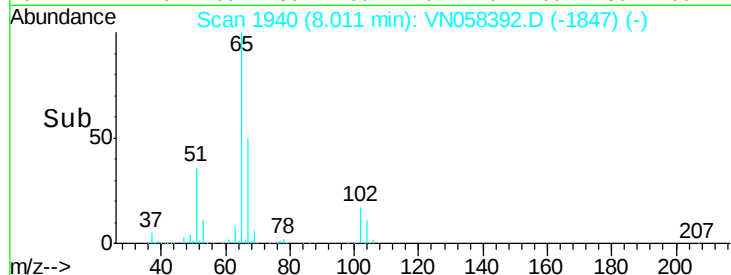
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058392.D

Acq: 26 Sep 2019 17:33

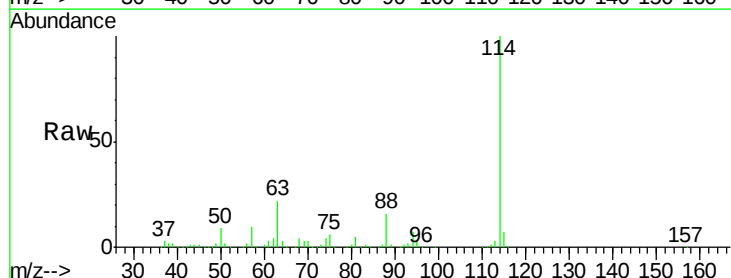
Tgt Ion: 114 Resp: 922739

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

88 16.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN058392.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058392.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058392.D (-2022) (-)

8.57

600000

500000

400000

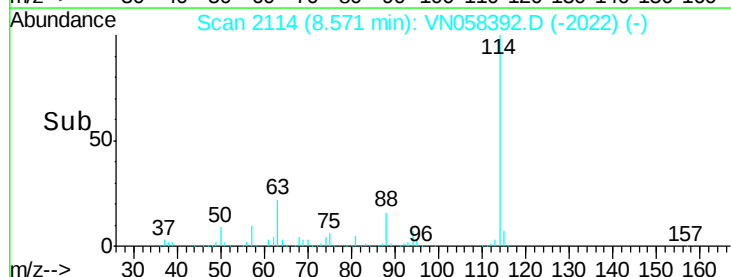
300000

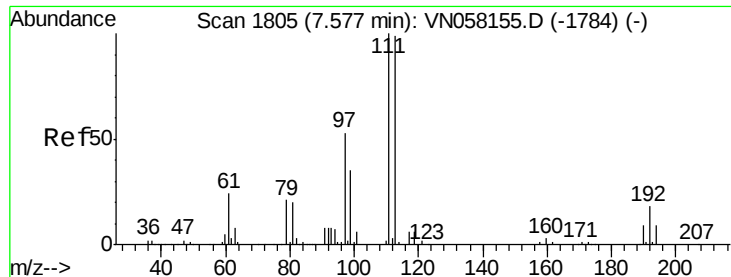
200000

100000

0

Time--> 8.45 8.50 8.55 8.60 8.65

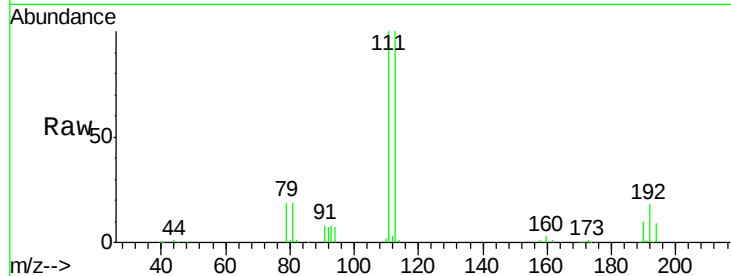




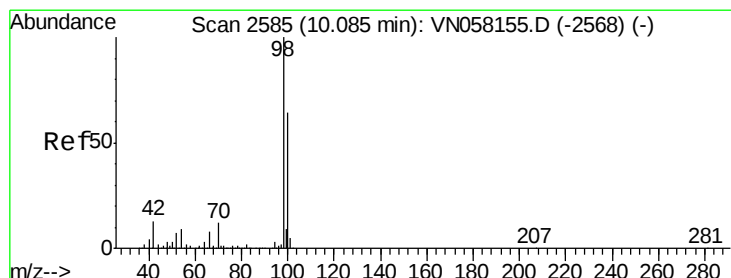
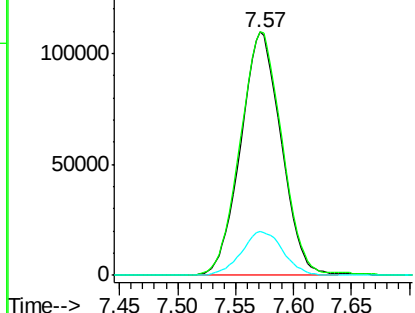
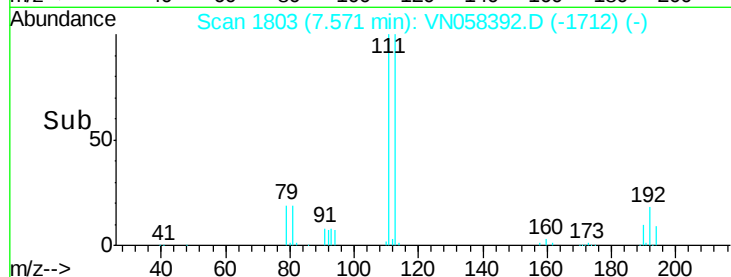
#35  
 Dibromofluoromethane  
 Concen: 47.489 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. -0.01 min  
 Lab File: VN058392.D  
 Acq: 26 Sep 2019 17:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 40241

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.6 | 81.8  | 122.6 |
| 192     | 18.5  | 14.5  | 21.7  |

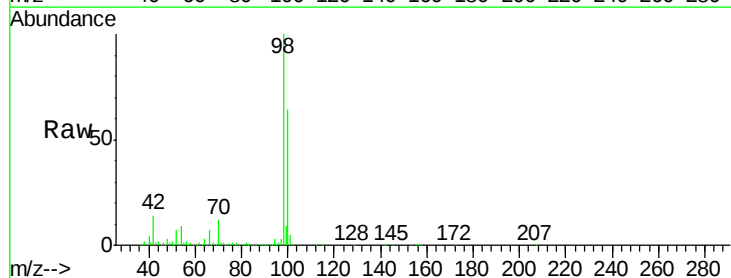


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

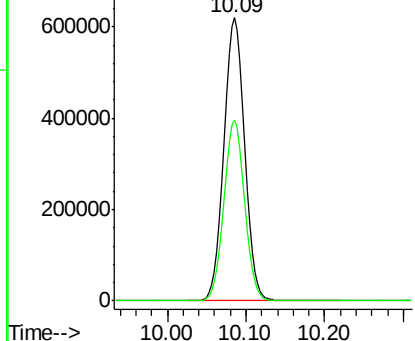
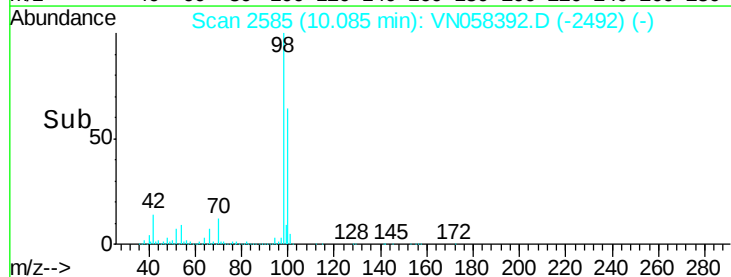


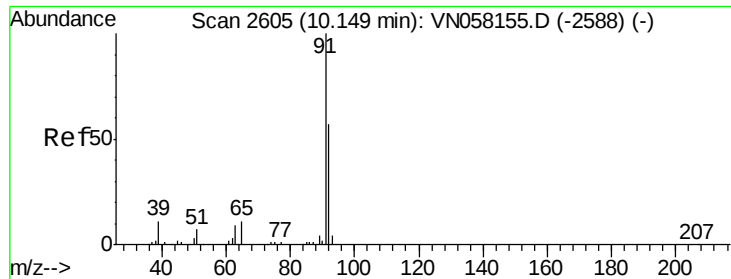
#50  
 Toluene-d8  
 Concen: 51.517 ug/l  
 RT: 10.09 min Scan# 2585  
 Delta R.T. 0.00 min  
 Lab File: VN058392.D  
 Acq: 26 Sep 2019 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.6  | 51.1  | 76.7  |



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





#52

Toluene

Concen: 14.299 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058392.D

Acq: 26 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

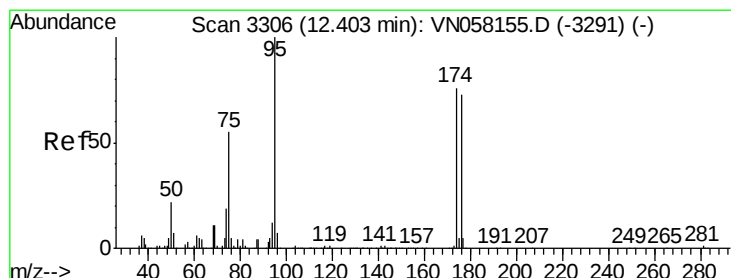
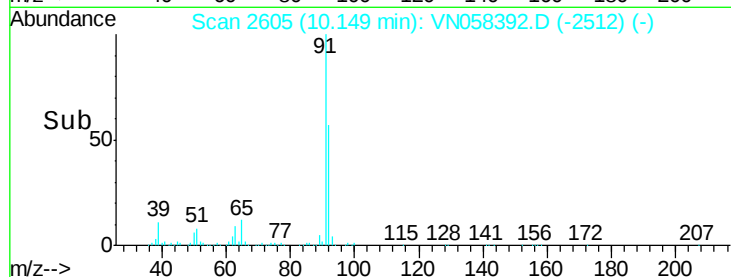
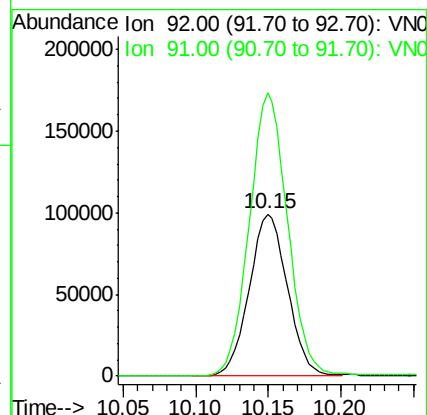
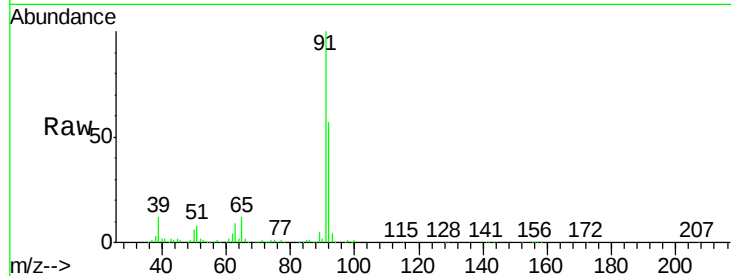
40241

Tot Ion: 92 Resp: 182139

Ion Ratio Lower Upper

92 100

91 174.5 140.2 210.2



#62

4-Bromofluorobenzene

Concen: 45.001 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058392.D

Acq: 26 Sep 2019 17:33

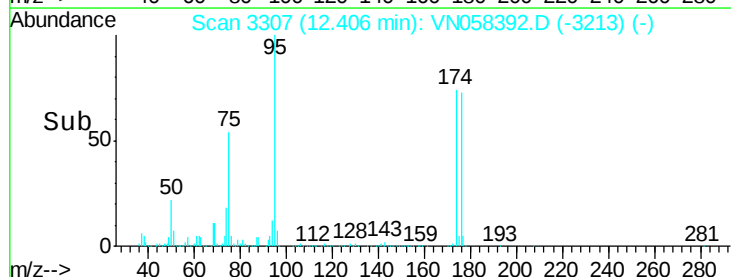
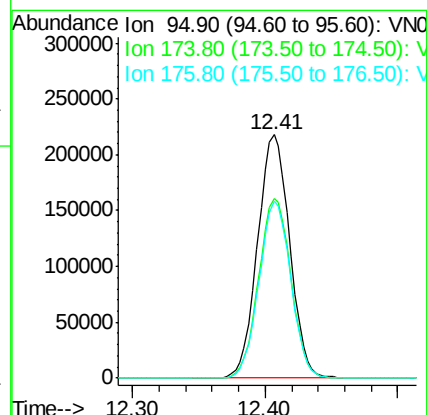
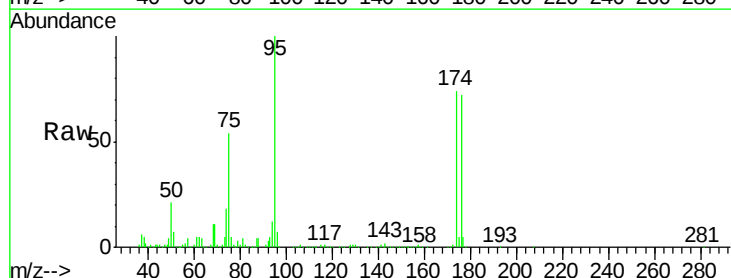
Tgt Ion: 95 Resp: 365343

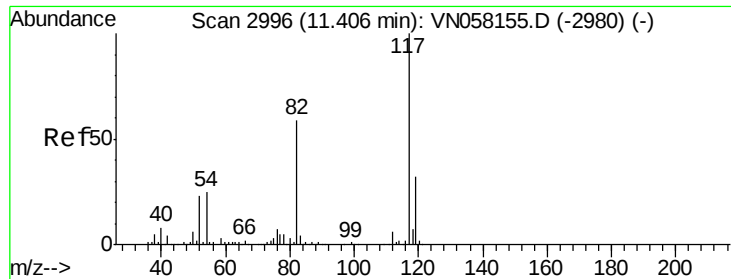
Ion Ratio Lower Upper

95 100

174 74.9 0.0 152.2

176 72.4 0.0 148.0

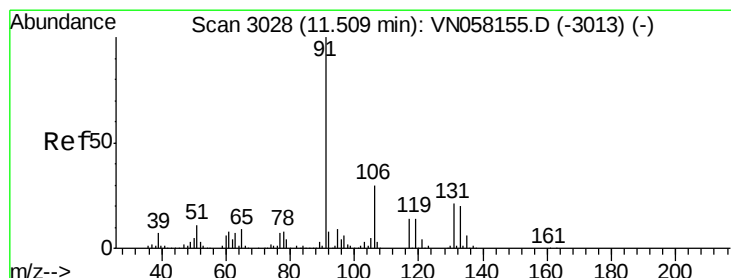
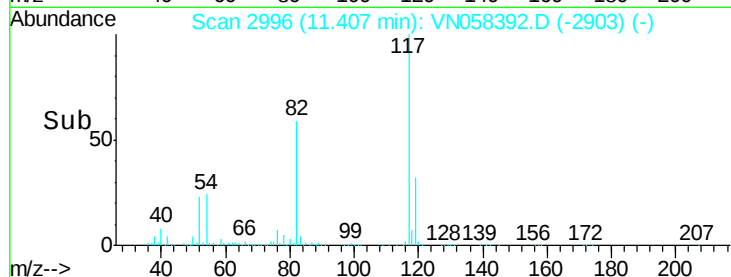
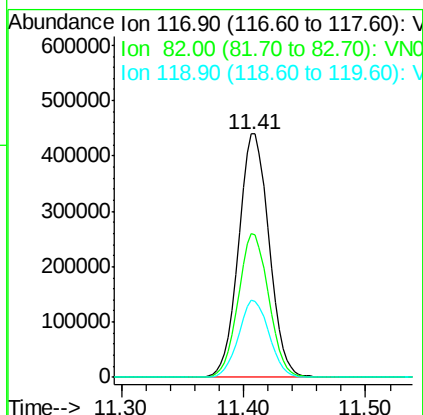
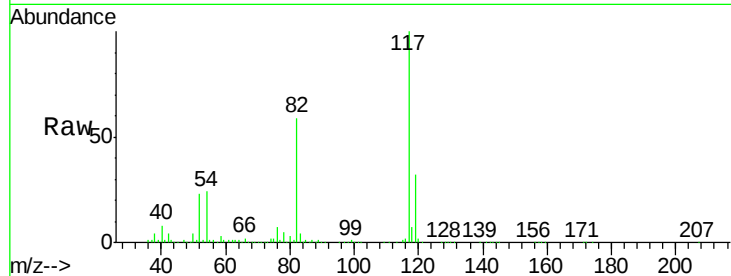




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058392.D  
Acq: 26 Sep 2019 17:33

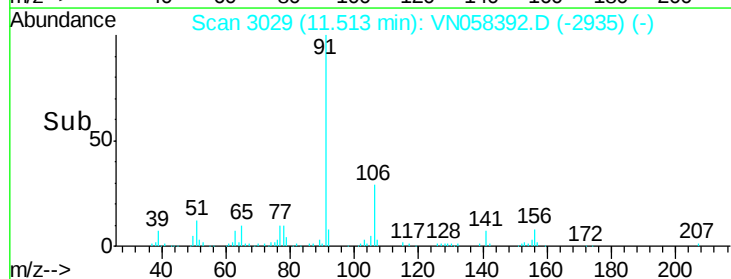
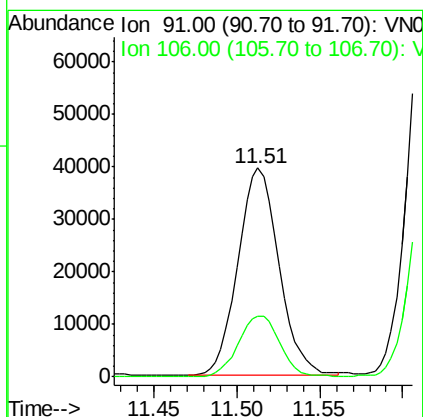
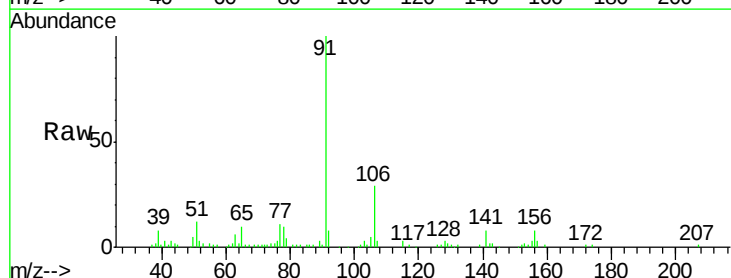
Instrument :  
MSVOA\_N  
ClientSampled :  
40241

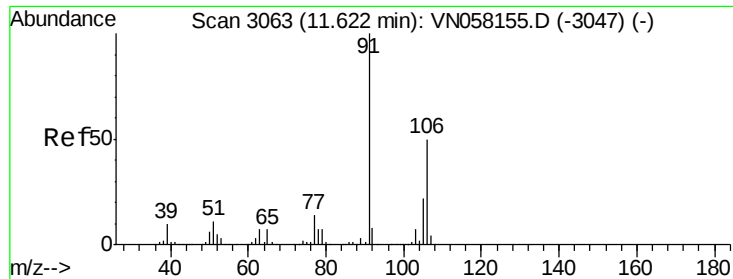
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.3  | 46.9  | 70.3  |
| 119     | 31.7  | 25.3  | 37.9  |



#67  
Ethyl Benzene  
Concen: 2.974 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN058392.D  
Acq: 26 Sep 2019 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.4  | 24.0  | 36.0  |

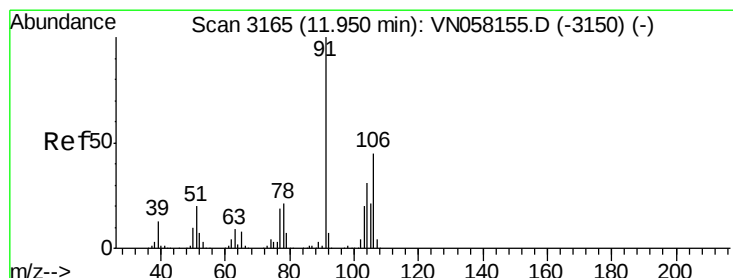
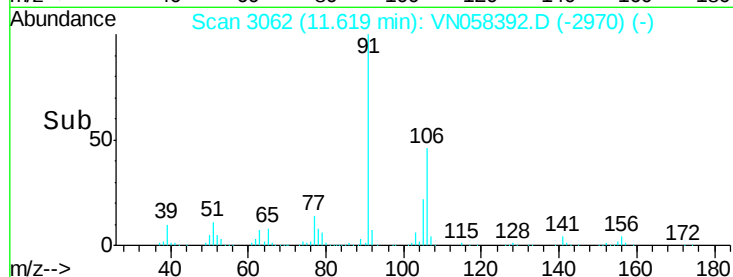
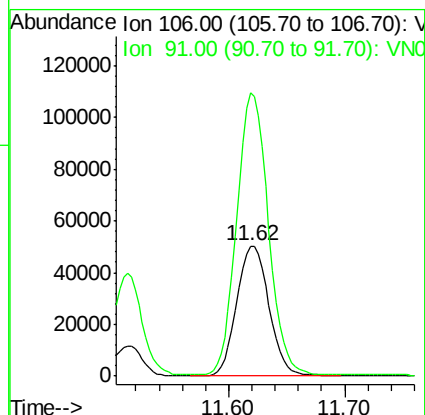
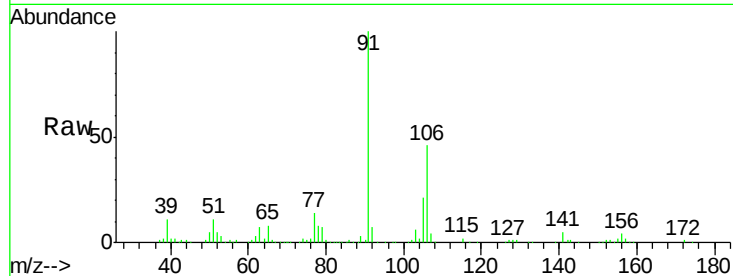




#68  
m/p-Xylenes  
Concen: 11.379 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN058392.D  
Acq: 26 Sep 2019 17:33

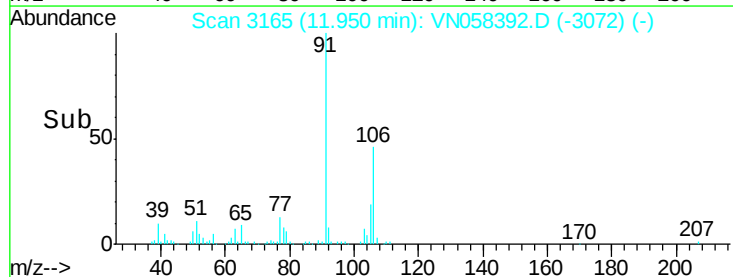
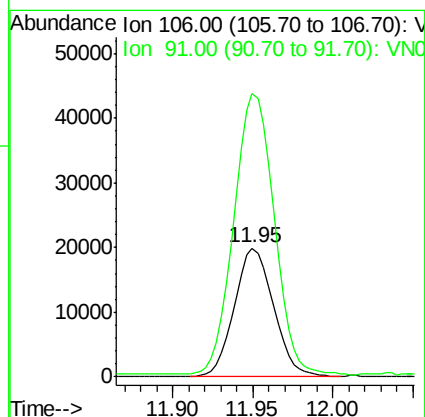
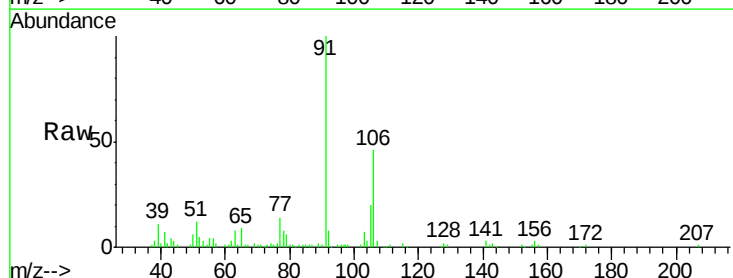
Instrument :  
MSVOA\_N  
ClientSampled :  
40241

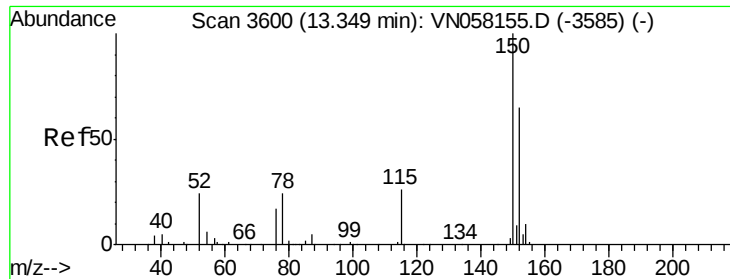
Tot Ion:106 Resp: 97985  
Ion Ratio Lower Upper  
106 100  
91 209.9 163.6 245.4



#69  
o-Xylene  
Concen: 3.931 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058392.D  
Acq: 26 Sep 2019 17:33

Tgt Ion:106 Resp: 33280  
Ion Ratio Lower Upper  
106 100  
91 224.4 111.8 335.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058392.D

Acq: 26 Sep 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

40241

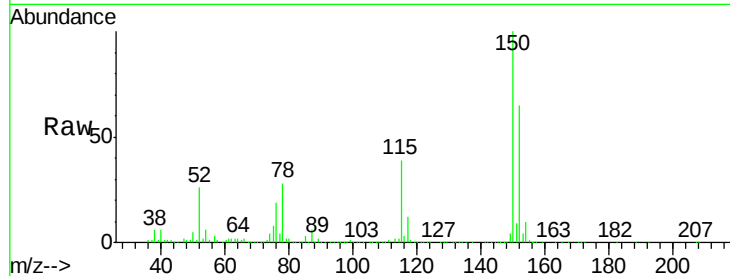
Tot Ion:152 Resp: 323347

Ion Ratio Lower Upper

152 100

115 61.3 30.1 90.3

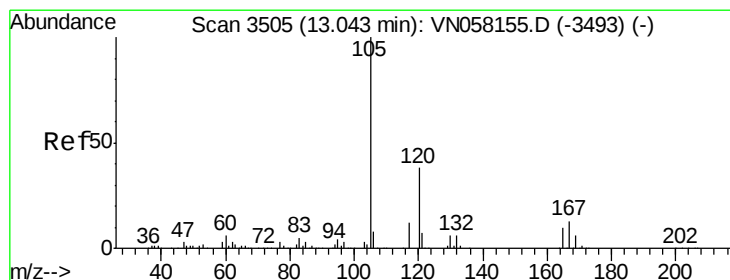
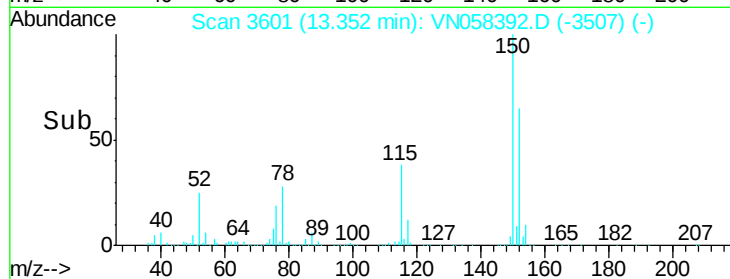
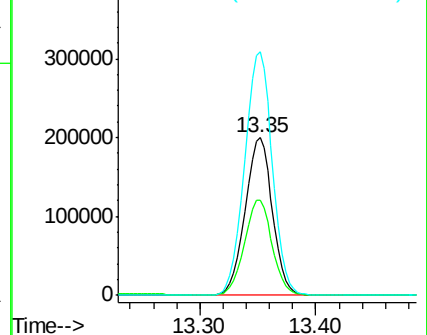
150 157.7 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 4.832 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058392.D

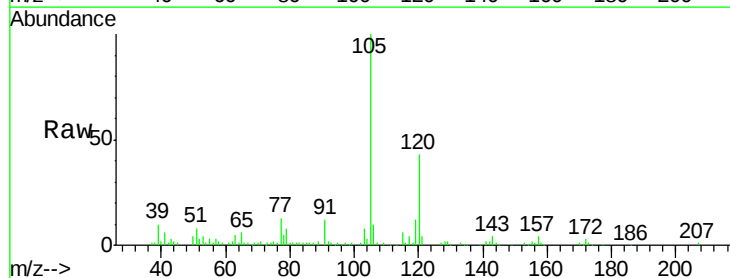
Acq: 26 Sep 2019 17:33

Tgt Ion:105 Resp: 82303

Ion Ratio Lower Upper

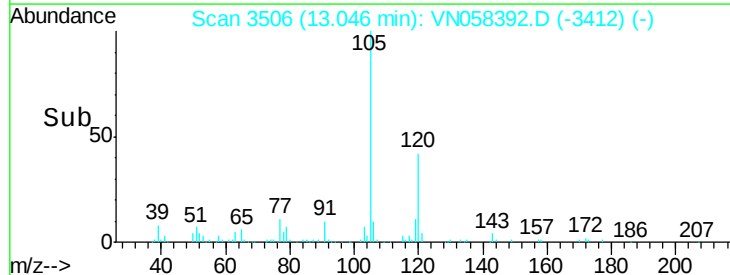
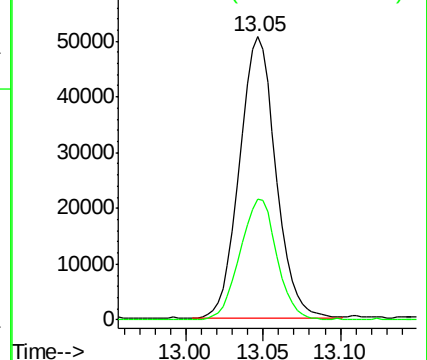
105 100

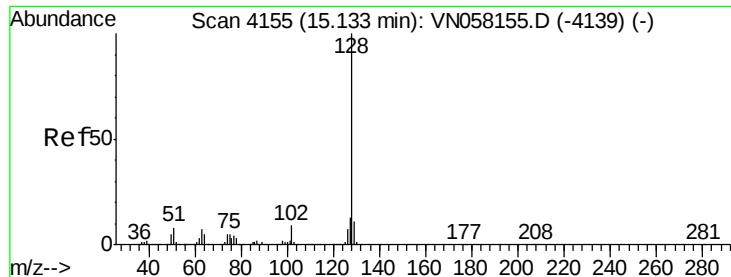
120 43.6 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

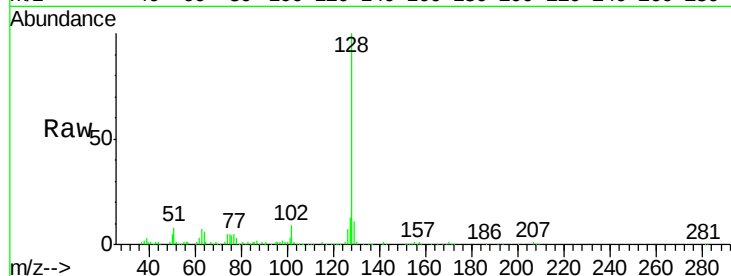




#95  
Naphthalene  
Concen: 12.514 ug/l  
RT: 15.14 min Scan# 4156  
Delta R.T. 0.00 min  
Lab File: VN058392.D  
Acq: 26 Sep 2019 17:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
40241

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.6  | 10.2  | 15.2  |
| 129     | 10.8  | 8.6   | 12.8  |



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

