

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\  
 Data File : VN052776.D  
 Acq On : 11 Dec 2018 2:44  
 Operator : MD\SY  
 Sample : J6196-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 40 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EO-03-120718-C

Quant Time: Dec 11 03:39:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 03 03:24:02 2018  
 Response via : Initial Calibration

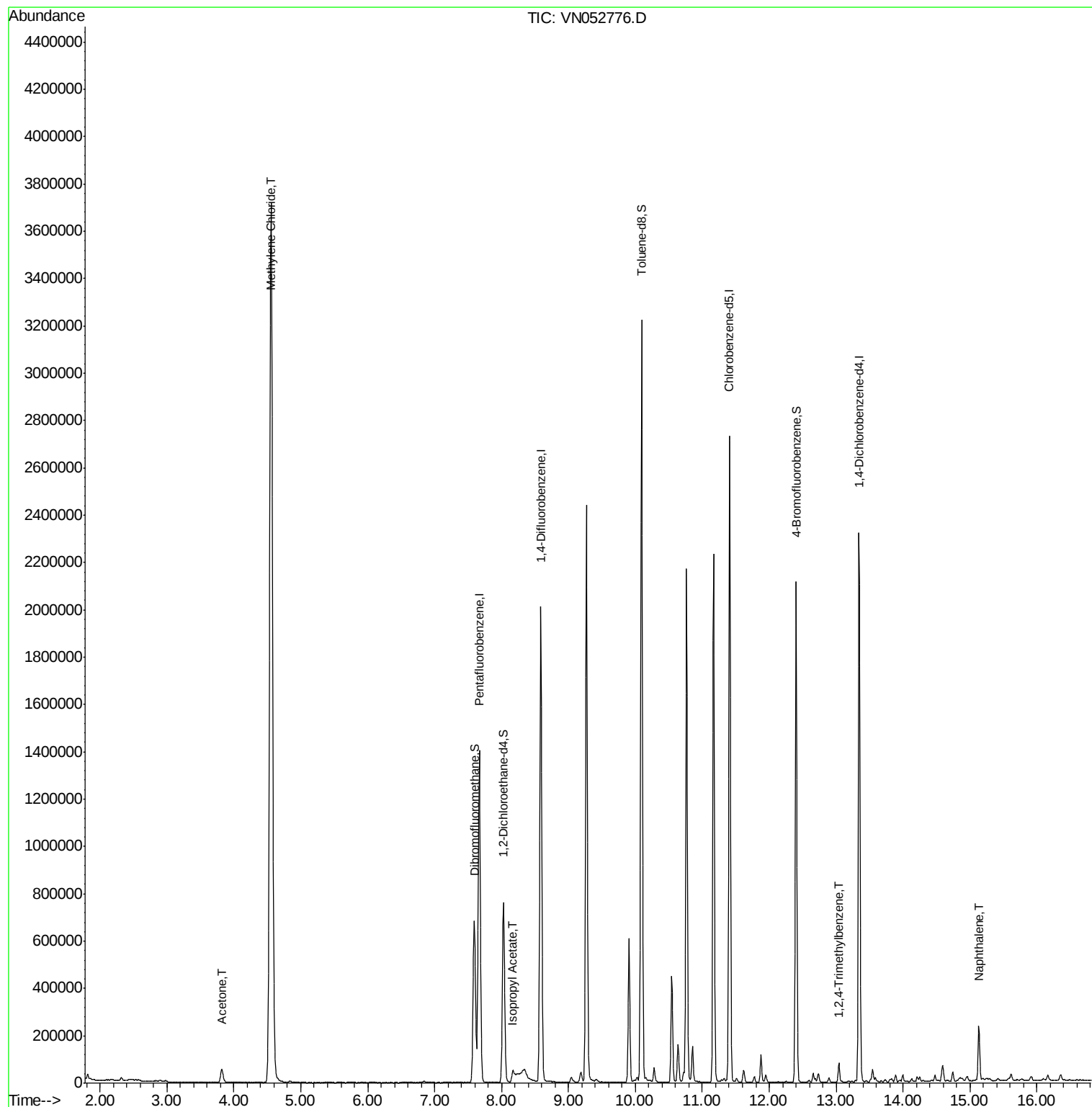
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1214323  | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1876249  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1636707  | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 650660   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 637384   | 48.21   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 96.42%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 532535   | 46.04   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 92.08%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2308517  | 51.27   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 102.54% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 726238   | 48.00   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 96.00%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 3.82  | 43   | 97842    | 28.056  | ug/l    | 98       |
| 20) Methylene Chloride      | 4.55  | 84   | 2871098  | 210.382 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 65490    | 3.579   | ug/l #  | 74       |
| 84) 1,2,4-Trimethylbenzene  | 13.04 | 105  | 48370    | 1.185   | ug/l    | 100      |
| 95) Naphthalene             | 15.13 | 128  | 209442   | 11.392  | ug/l    | 99       |

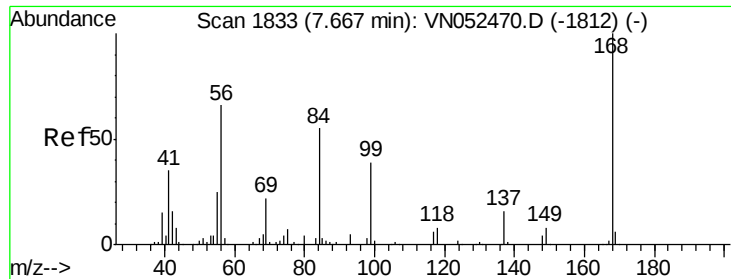
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Dec 03 03:24:02 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052776.D

Acq: 11 Dec 2018 2:44

Instrument :

MSVOA\_N

ClientSampleId :

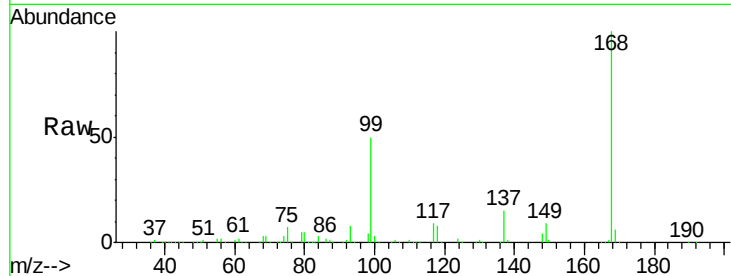
EO-03-120718-C

Tot Ion:168 Resp: 1214323

Ion Ratio Lower Upper

168 100

99 50.2 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052776.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052776.D (-1740) (-)

7.67

600000

500000

400000

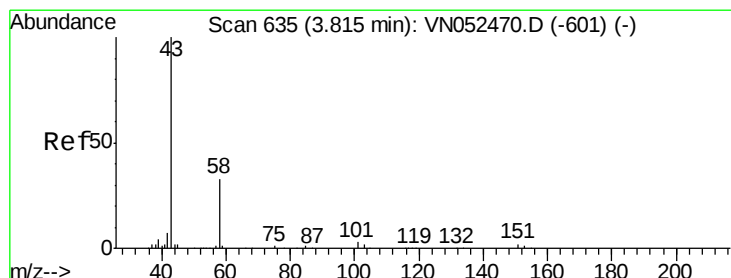
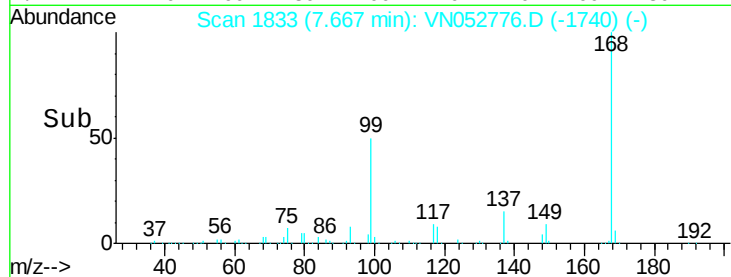
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 28.056 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052776.D

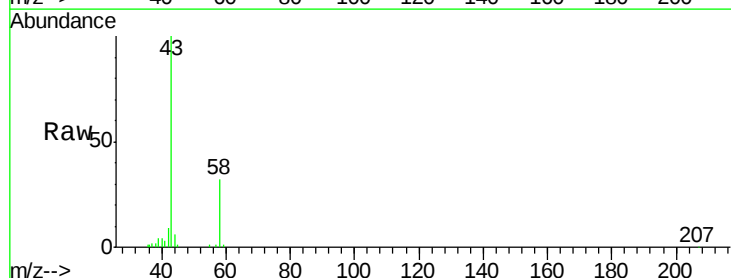
Acq: 11 Dec 2018 2:44

Tgt Ion: 43 Resp: 97842

Ion Ratio Lower Upper

43 100

58 31.6 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052776.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052776.D (-542) (-)

3.82

40000

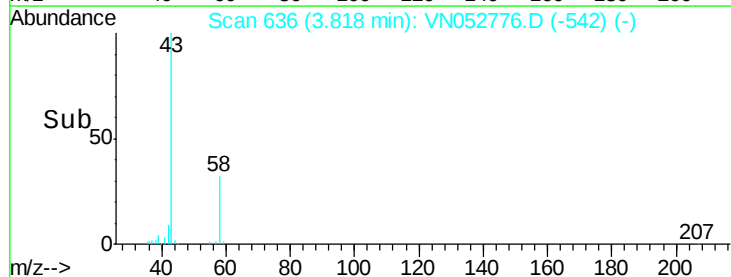
30000

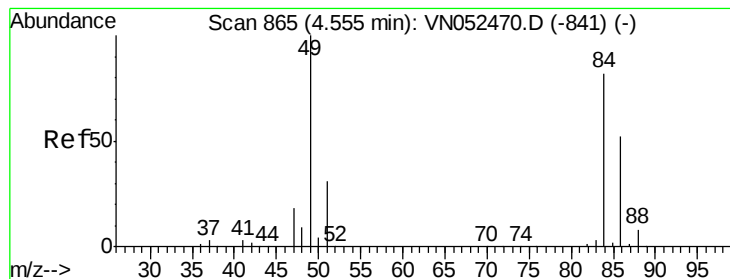
20000

10000

0

Time-->





#20

Methylene Chloride

Concen: 210.382 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052776.D

Acq: 11 Dec 2018 2:44

Instrument :

MSVOA\_N

ClientSampled :

EO-03-120718-C

Tot Ion: 84 Resp: 2871098

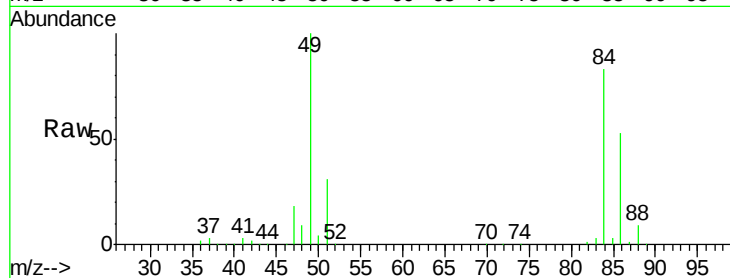
Ion Ratio Lower Upper

84 100

49 120.4 98.0 147.0

51 37.1 30.1 45.1

86 64.3 50.7 76.1

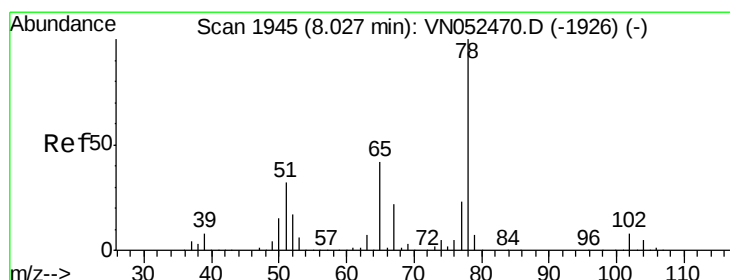
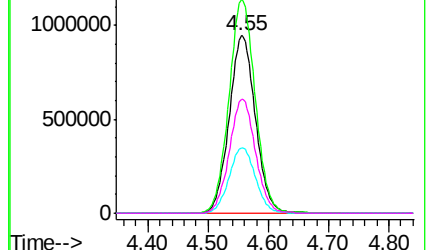
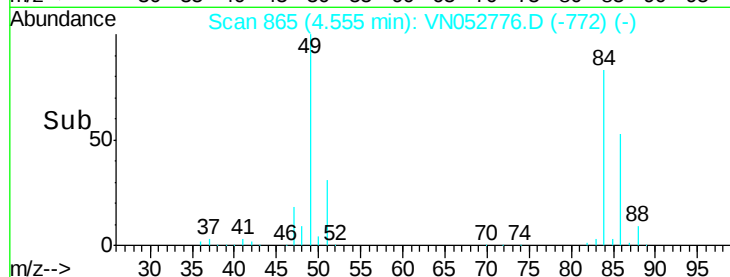


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052776.D

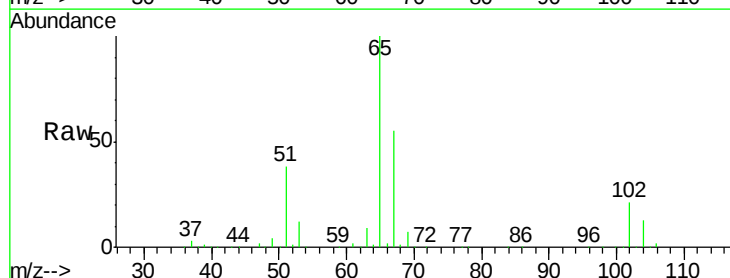
Acq: 11 Dec 2018 2:44

Tgt Ion: 65 Resp: 637384

Ion Ratio Lower Upper

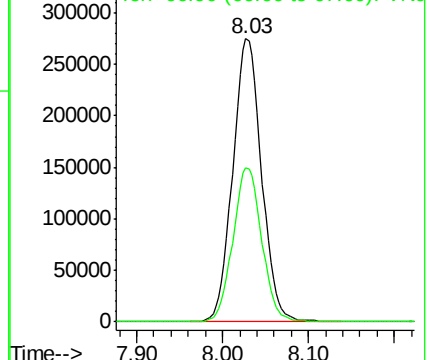
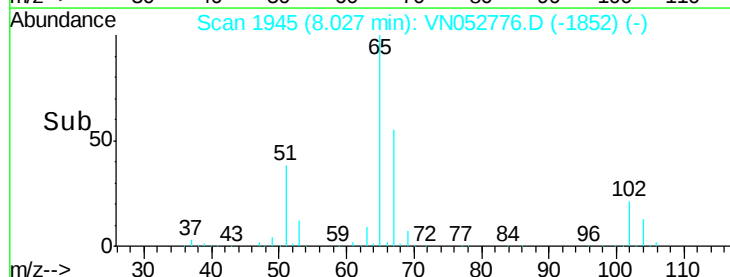
65 100

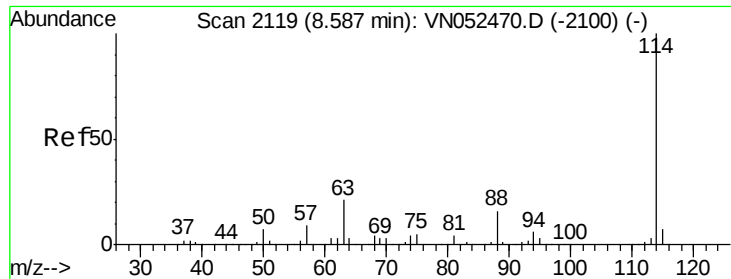
67 54.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

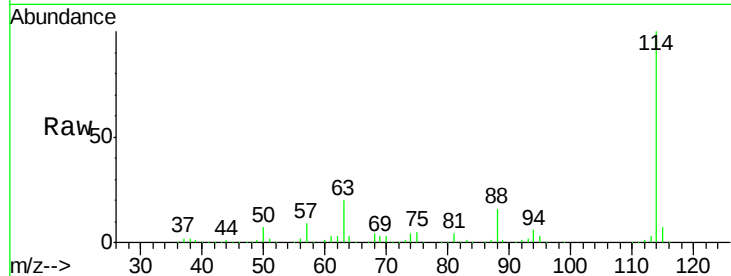




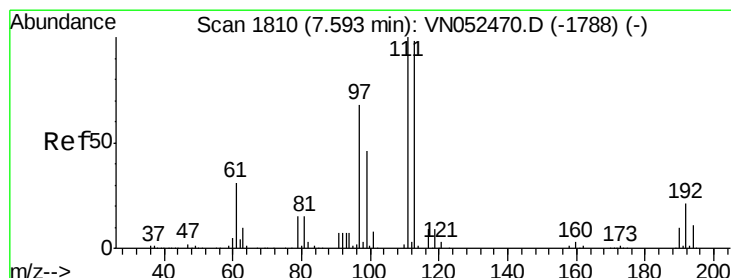
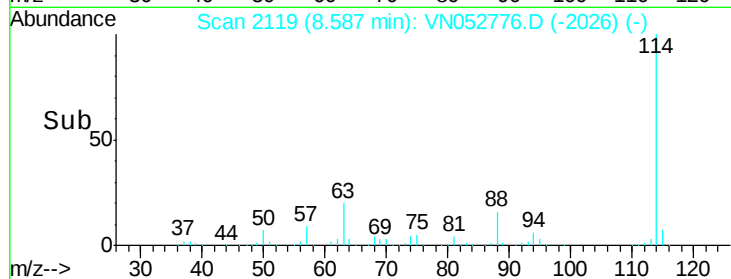
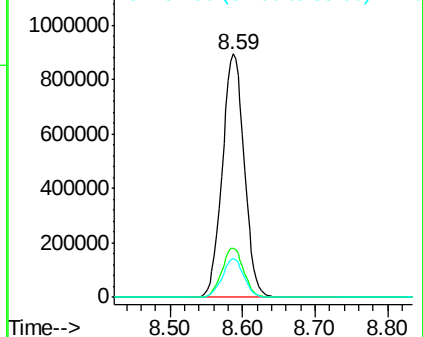
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052776.D  
 Acq: 11 Dec 2018 2:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EO-03-120718-C

Tot Ion:114 Resp: 1876249  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 41.8  
 88 15.8 0.0 31.6

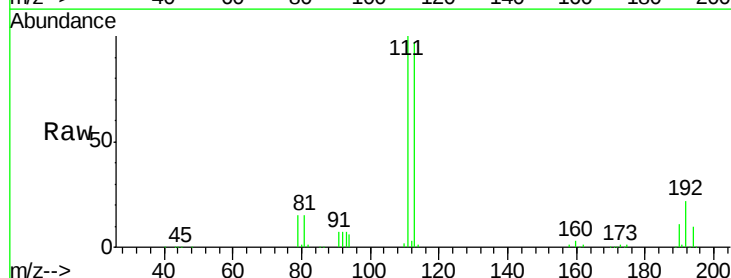


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

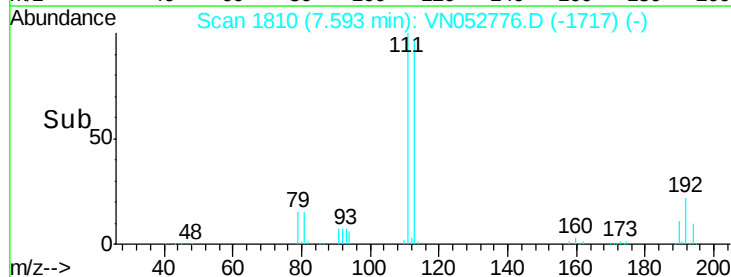
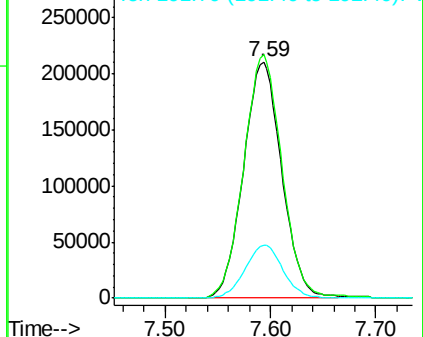


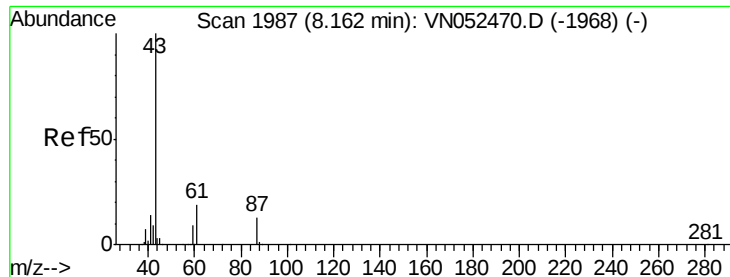
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052776.D  
 Acq: 11 Dec 2018 2:44

Tgt Ion:113 Resp: 532535  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 82.0 123.0  
 192 22.1 17.0 25.6



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





#43

Isopropyl Acetate

Concen: 3.579 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052776.D

Acq: 11 Dec 2018 2:44

Instrument :

MSVOA\_N

ClientSampleId :

EO-03-120718-C

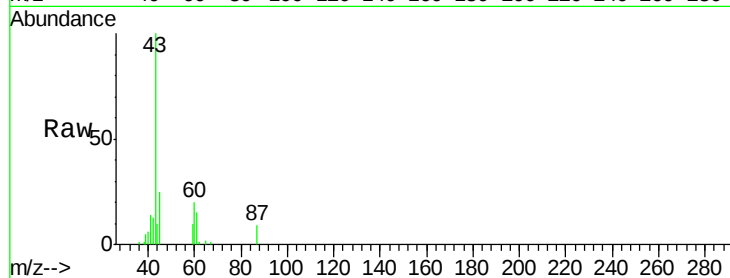
Tot Ion: 43 Resp: 65490

Ion Ratio Lower Upper

43 100

61 12.7 24.1 36.1#

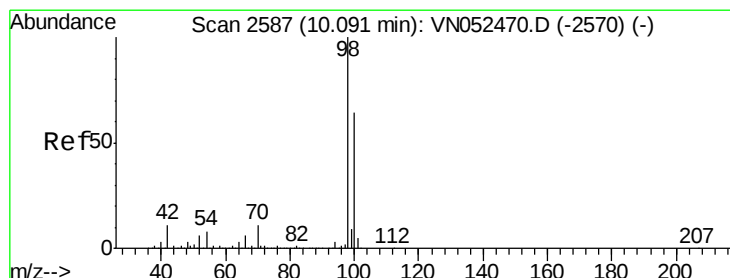
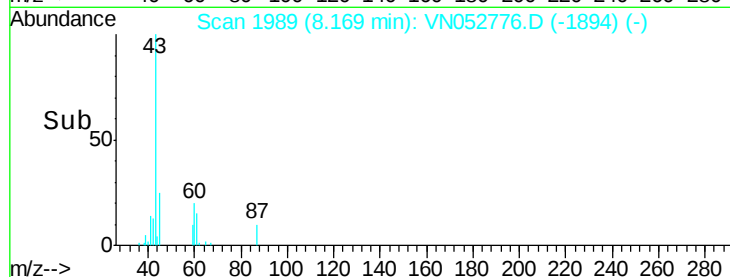
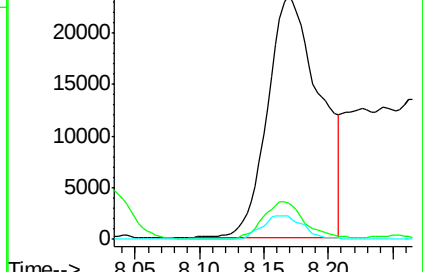
87 7.8 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052776.D

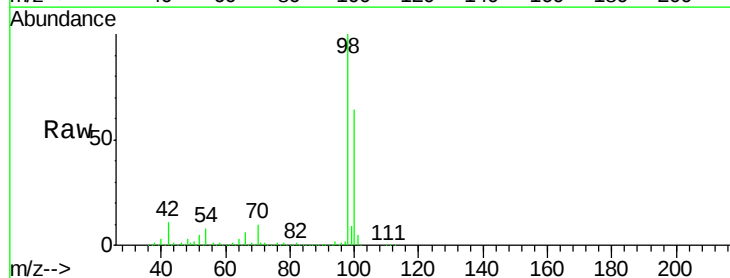
Acq: 11 Dec 2018 2:44

Tgt Ion: 98 Resp: 2308517

Ion Ratio Lower Upper

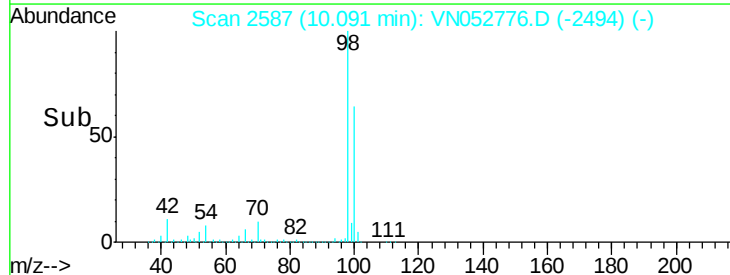
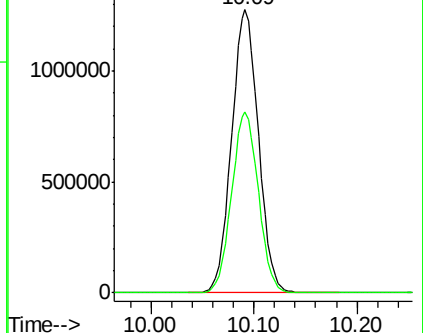
98 100

100 63.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)

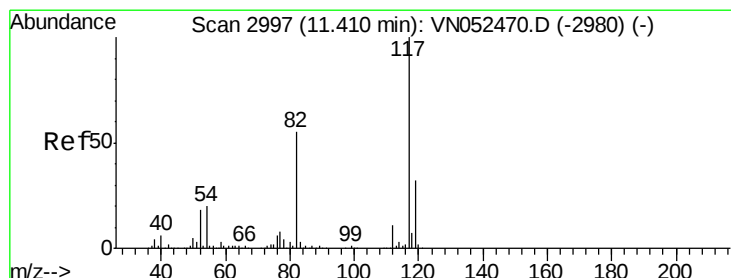
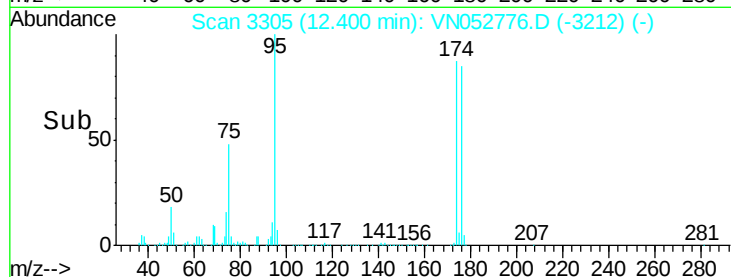
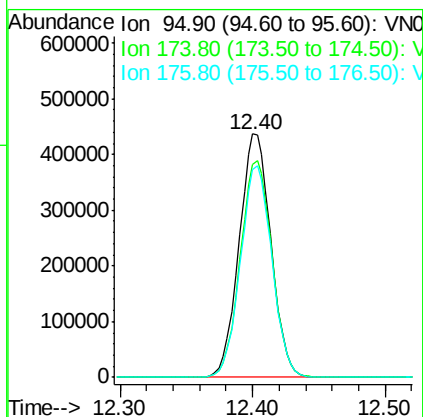
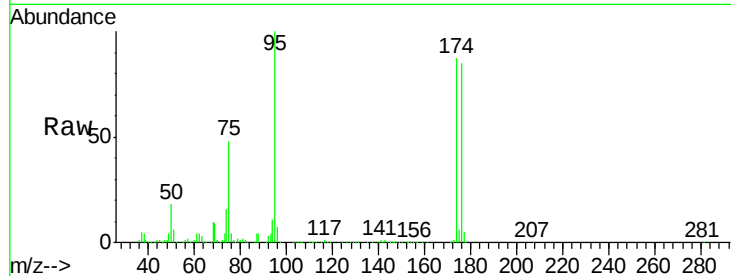




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN052776.D  
Acq: 11 Dec 2018 2:44

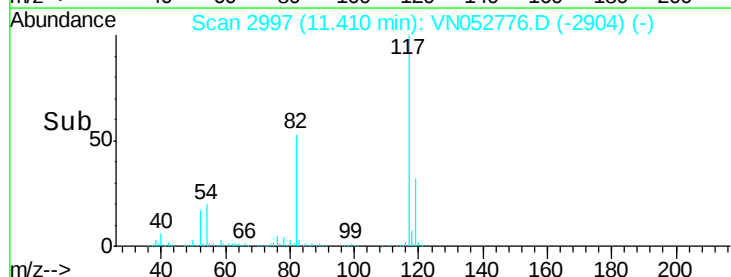
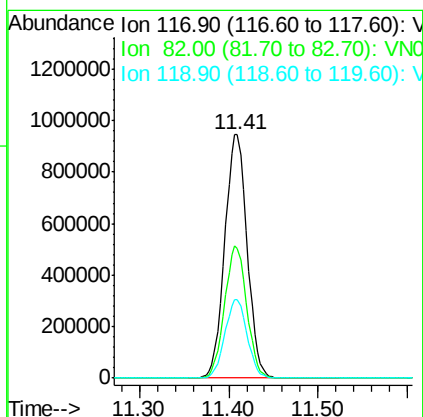
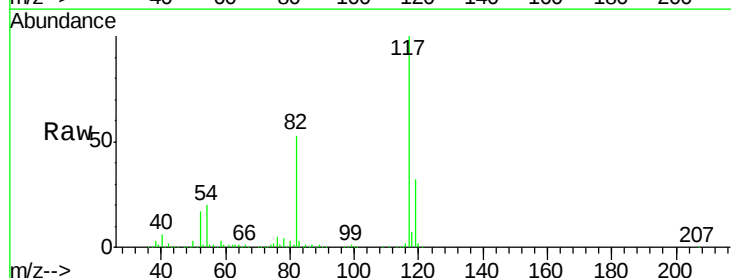
Instrument :  
MSVOA\_N  
ClientSampleId :  
EO-03-120718-C

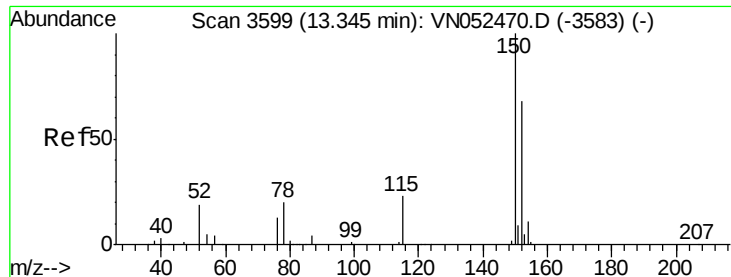
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 88.9  | 0.0   | 173.0 |
| 176     | 86.0  | 0.0   | 166.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN052776.D  
Acq: 11 Dec 2018 2:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.3  | 43.6  | 65.4  |
| 119     | 32.3  | 25.4  | 38.2  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052776.D

Acq: 11 Dec 2018 2:44

Instrument :

MSVOA\_N

ClientSampleId :

EO-03-120718-C

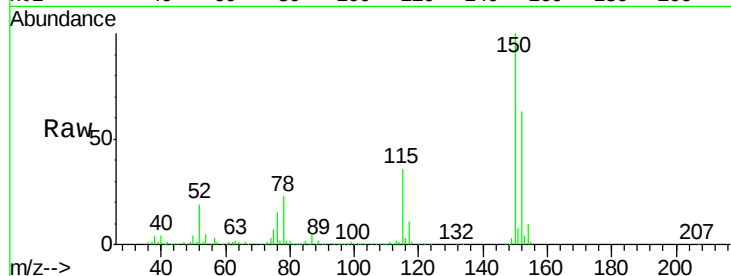
Tot Ion:152 Resp: 650660

Ion Ratio Lower Upper

152 100

115 56.6 28.4 85.2

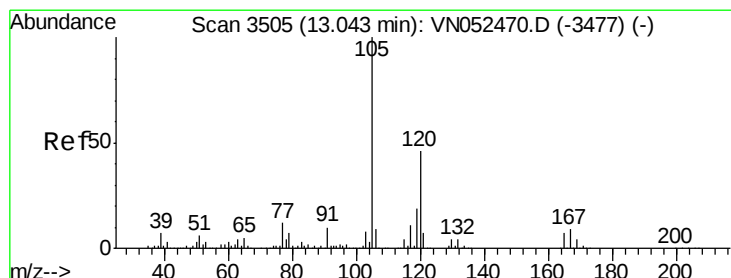
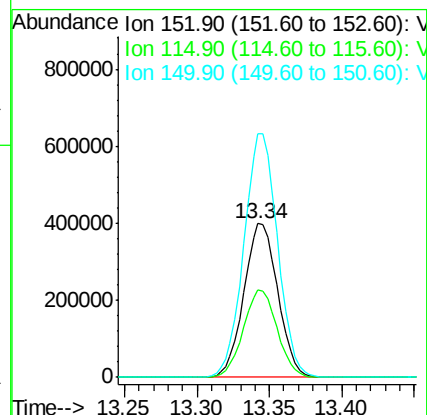
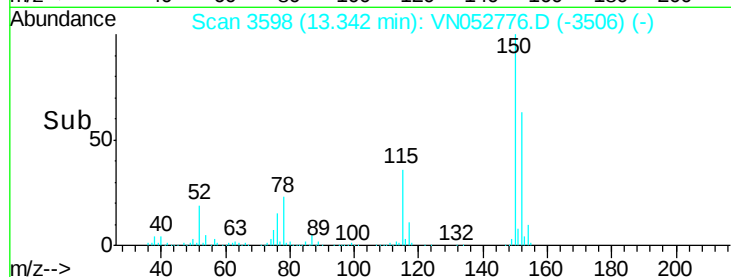
150 157.1 0.0 346.0



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: 1.185 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN052776.D

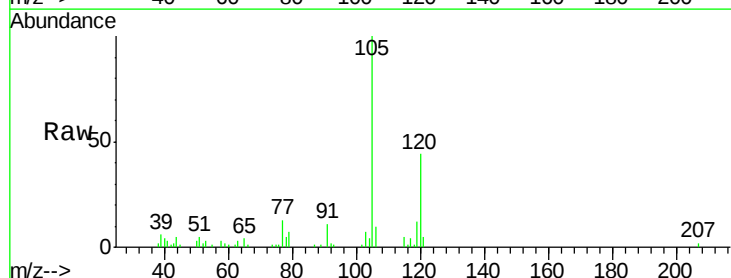
Acq: 11 Dec 2018 2:44

Tgt Ion:105 Resp: 48370

Ion Ratio Lower Upper

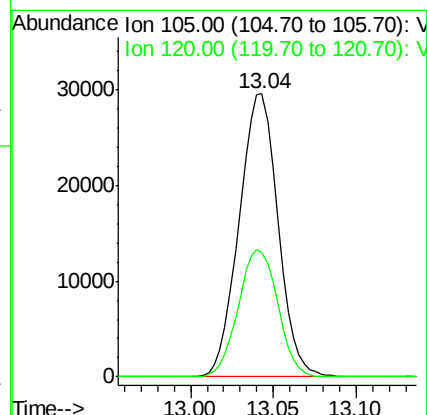
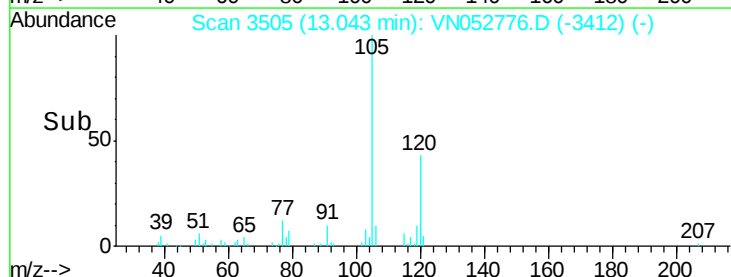
105 100

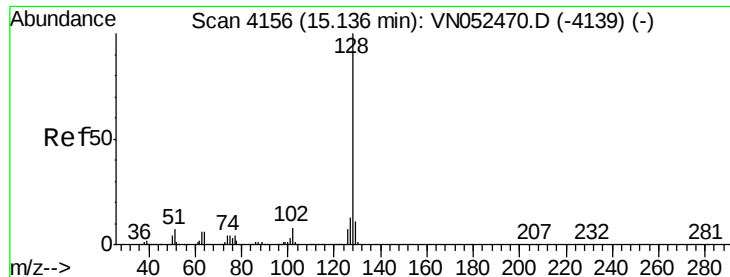
120 45.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 11.392 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052776.D

Acq: 11 Dec 2018 2:44

Instrument :

MSVOA\_N

ClientSampleId :

EO-03-120718-C

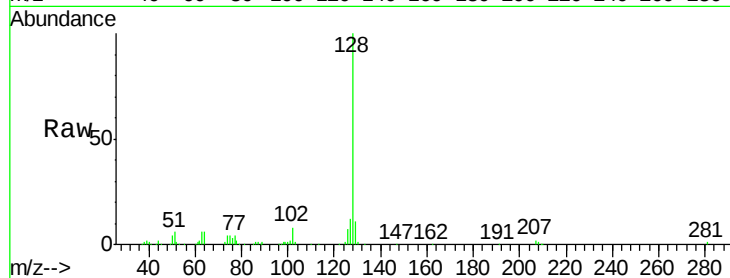
Tot Ion:128 Resp: 209442

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

129 10.9 8.7 13.1



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

