

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022420\  
 Data File : VN060207.D  
 Acq On : 24 Feb 2020 14:09  
 Operator : JC/MD  
 Sample : L1659-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WH-2-COMP-2

Quant Time: Feb 24 16:51:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

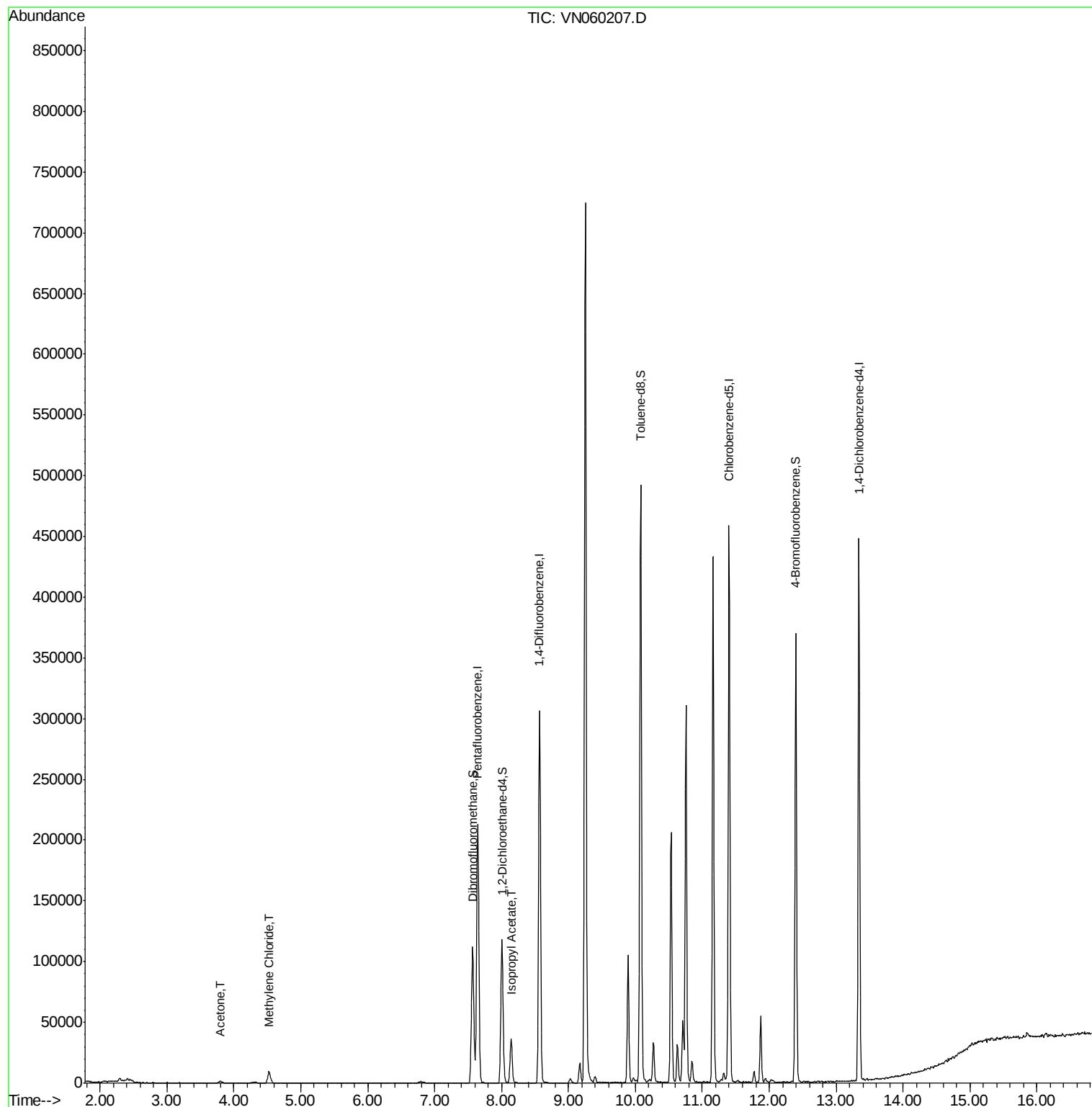
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 181340   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 280809   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 267212   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 119938   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 104538   | 47.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.76%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 84965    | 49.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.44%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 341933   | 50.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.60% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 124268   | 49.75  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.50%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.80  | 43   | 3311     | 3.440  | ug/l    | 93       |
| 20) Methylene Chloride      | 4.53  | 84   | 7049     | 3.671  | ug/l    | 92       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 42921    | 10.681 | ug/l #  | 90       |

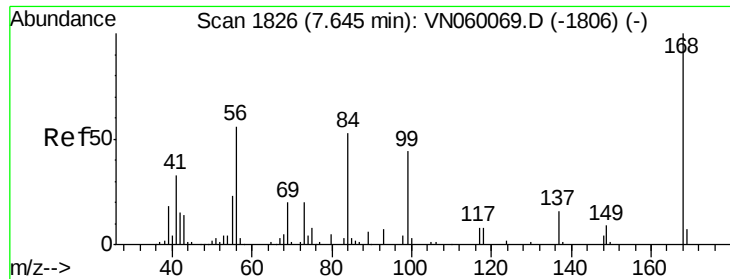
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022420\  
Data File : VN060207.D  
Acq On : 24 Feb 2020 14:09  
Operator : JC/MD  
Sample : L1659-04  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
WH-2-COMP-2

Quant Time: Feb 24 16:51:35 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA\_N

ClientSampleId :

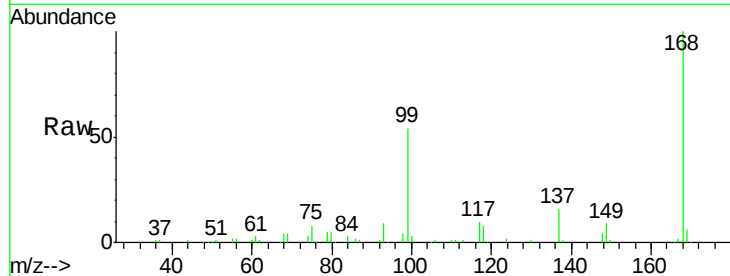
WH-2-COMP-2

Tot Ion:168 Resp: 181340

Ion Ratio Lower Upper

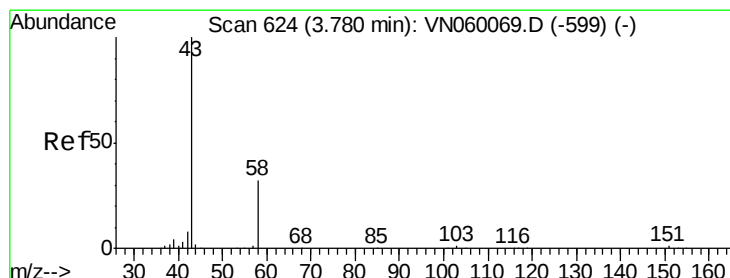
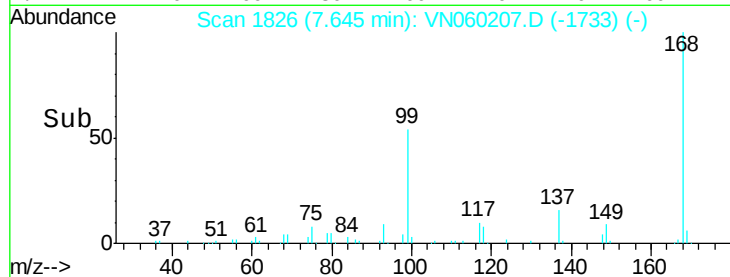
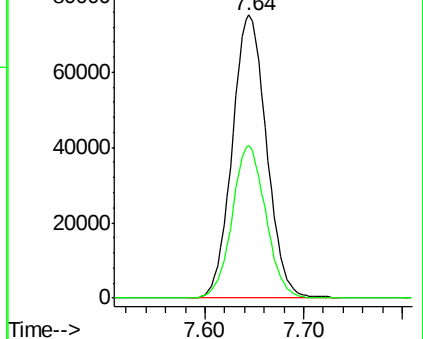
168 100

99 54.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 3.440 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060207.D

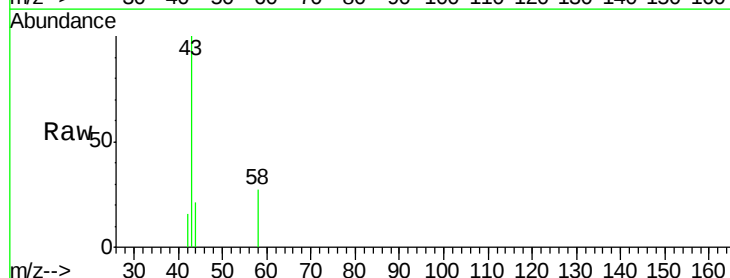
Acq: 24 Feb 2020 14:09

Tgt Ion: 43 Resp: 3311

Ion Ratio Lower Upper

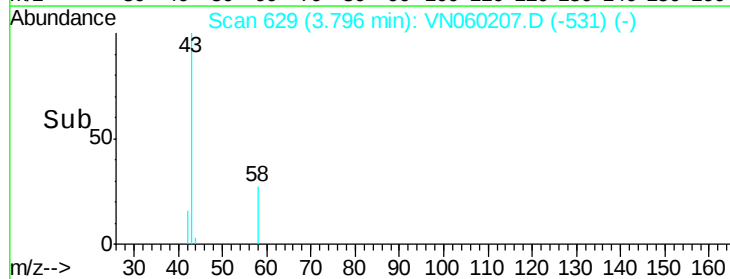
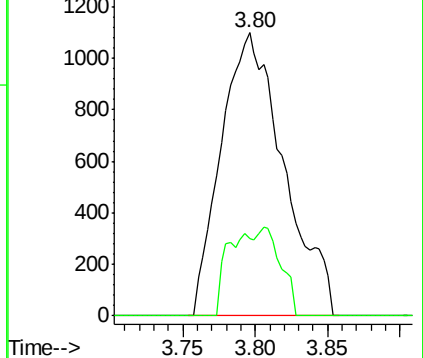
43 100

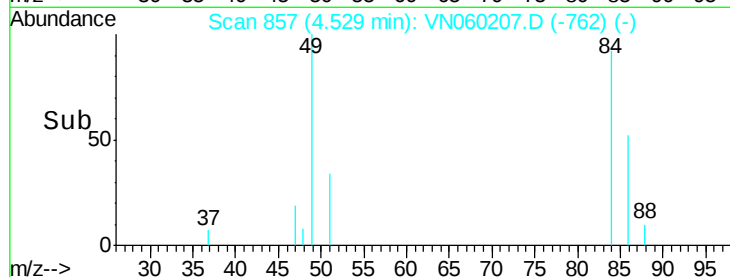
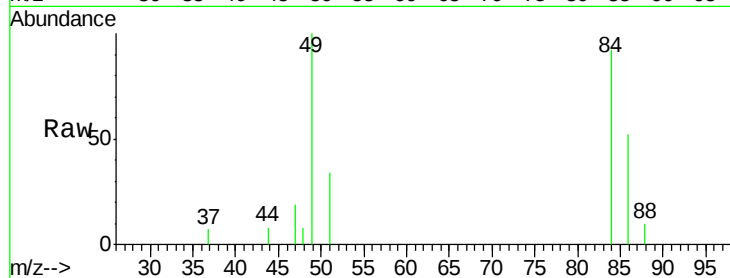
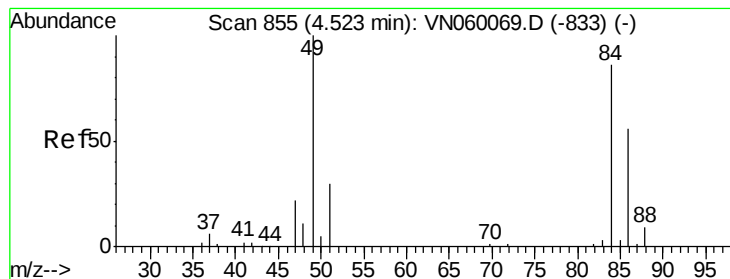
58 27.5 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#20

Methylene Chloride

Concen: 3.671 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.01 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA\_N

ClientSampleId :

WH-2-COMP-2

Tot Ion: 84 Resp: 7049

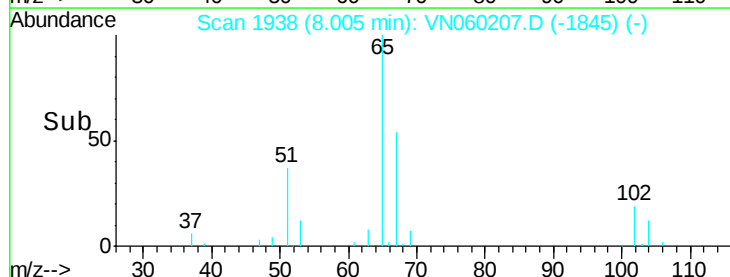
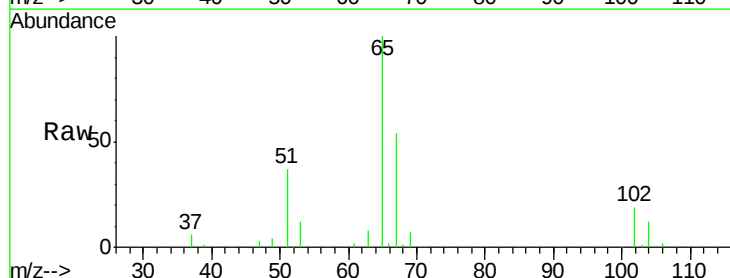
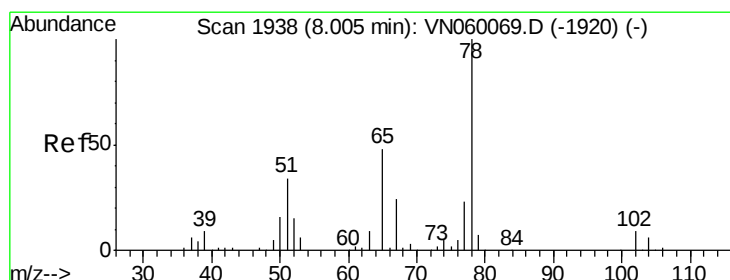
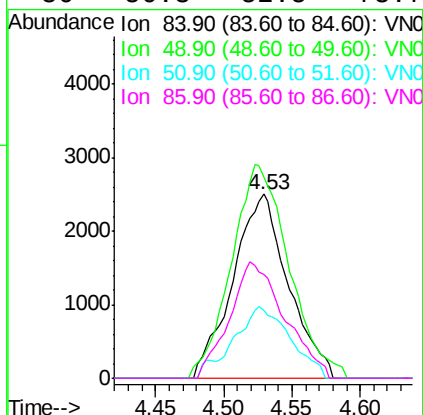
Ion Ratio Lower Upper

84 100

49 109.1 93.4 140.0

51 37.2 28.4 42.6

86 56.3 52.5 78.7



#33

1,2-Dichloroethane-d4

Concen: 47.375 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060207.D

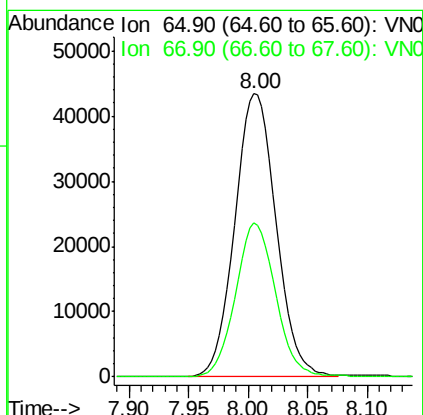
Acq: 24 Feb 2020 14:09

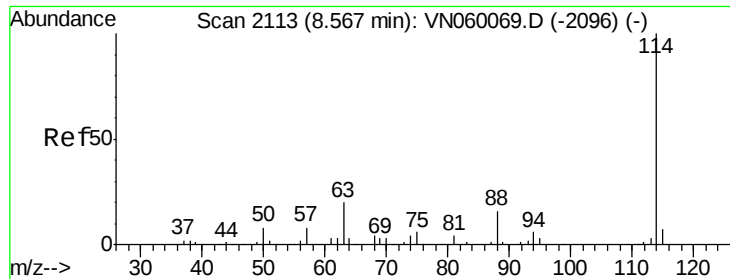
Tgt Ion: 65 Resp: 104538

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.0

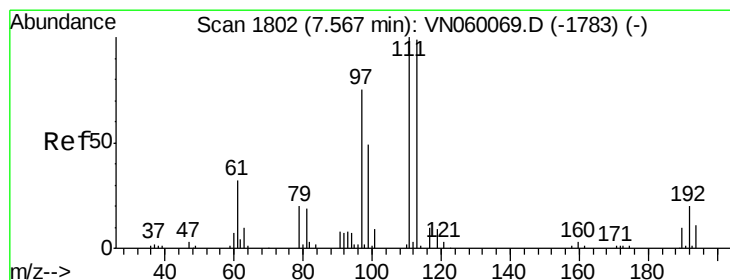
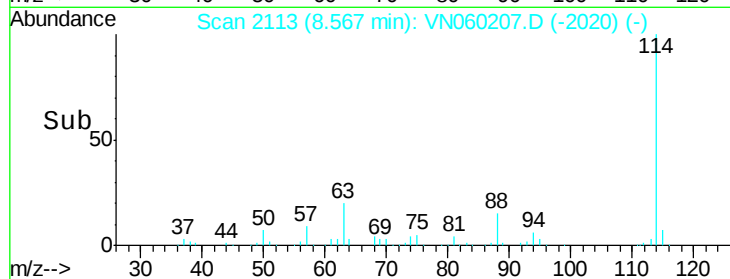
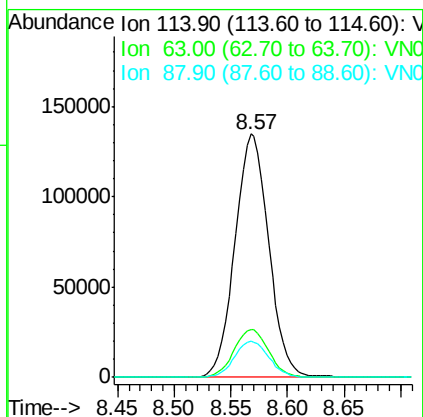
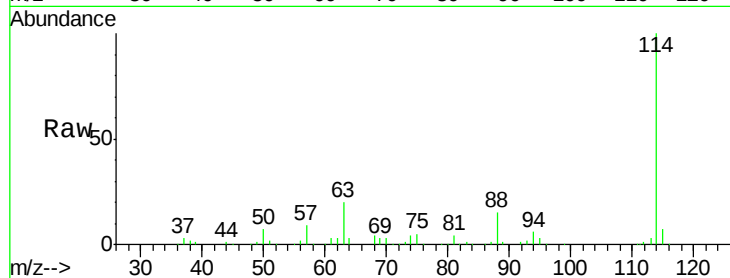




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN060207.D  
 Acq: 24 Feb 2020 14:09

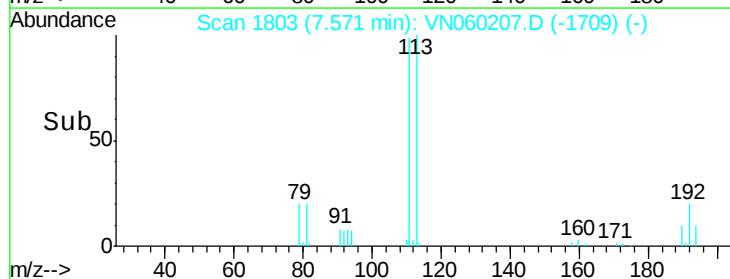
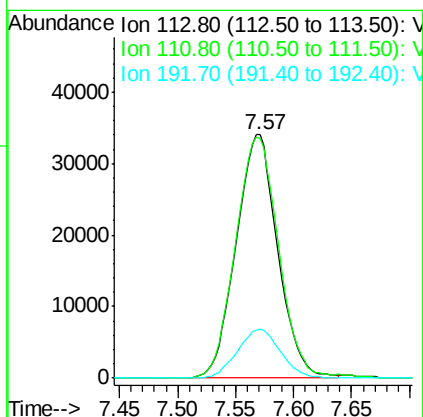
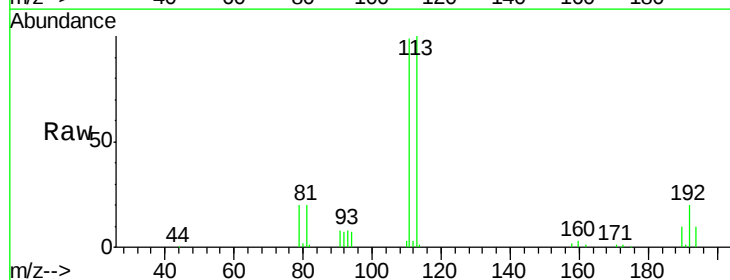
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WH-2-COMP-2

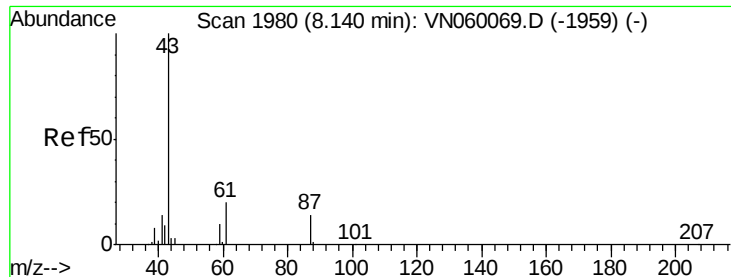
Tot Ion:114 Resp: 280809  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 40.0  
 88 14.8 0.0 31.6



#35  
 Dibromofluoromethane  
 Concen: 49.223 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN060207.D  
 Acq: 24 Feb 2020 14:09

Tgt Ion:113 Resp: 84965  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.4 122.2  
 192 20.5 16.2 24.2





#43

Isopropyl Acetate

Concen: 10.681 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA\_N

ClientSampleId :

WH-2-COMP-2

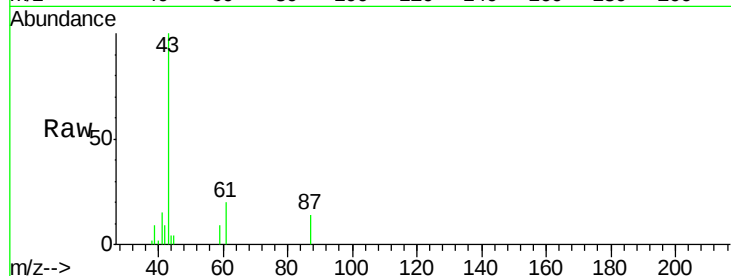
Tot Ion: 43 Resp: 42921

Ion Ratio Lower Upper

43 100

61 19.9 21.8 32.6#

87 13.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)

Time-->

8.05 8.10 8.15 8.20 8.25

25000

20000

15000

10000

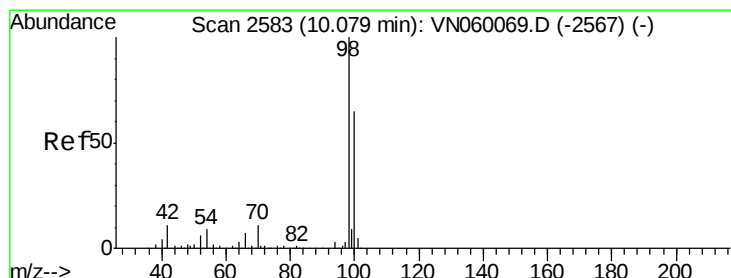
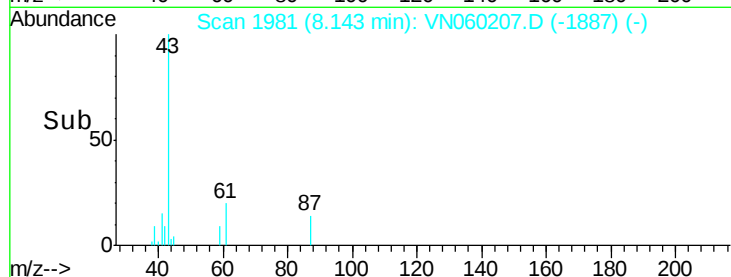
5000

0

8.14

Time-->

8.05 8.10 8.15 8.20 8.25



#50

Toluene-d8

Concen: 50.303 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060207.D

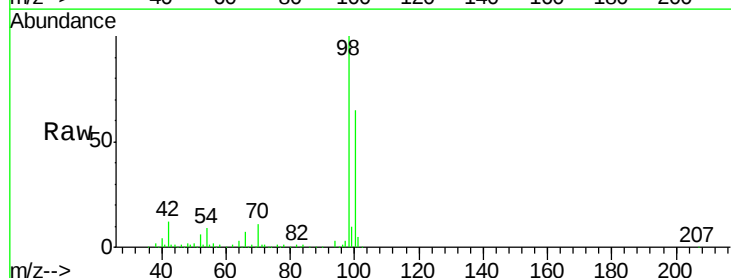
Acq: 24 Feb 2020 14:09

Tgt Ion: 98 Resp: 341933

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060069.D (-2567) (-)

Time-->

10.00 10.10 10.20

200000

150000

100000

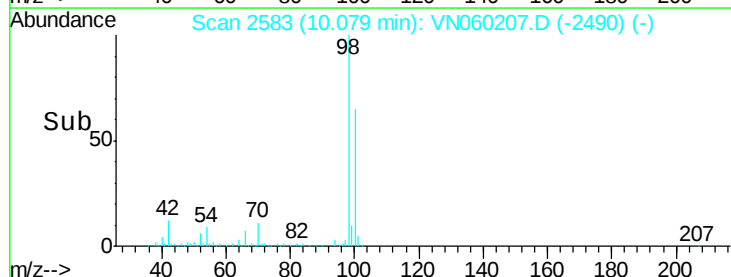
50000

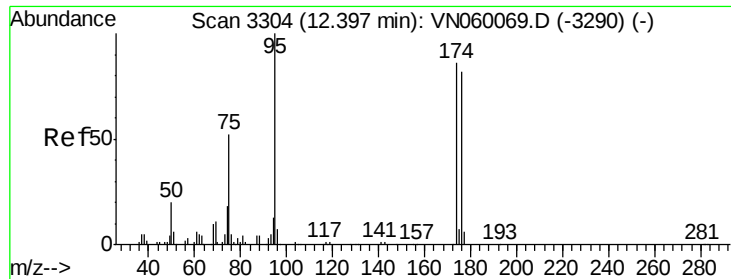
0

10.08

Time-->

10.00 10.10 10.20

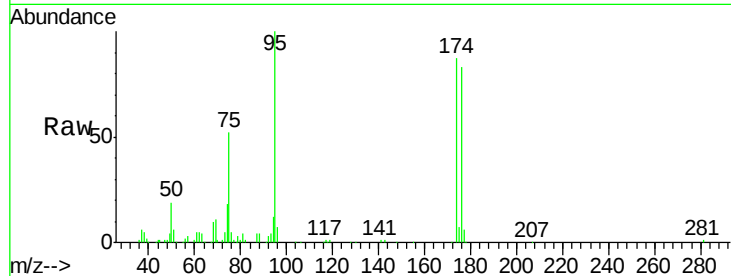




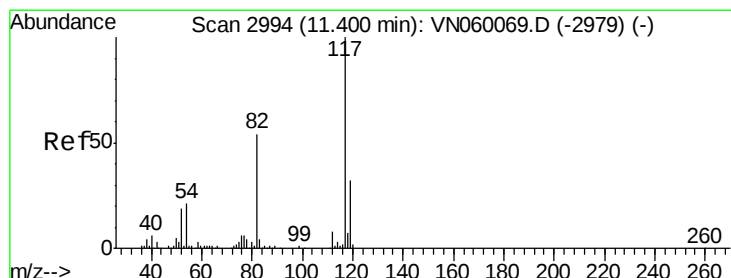
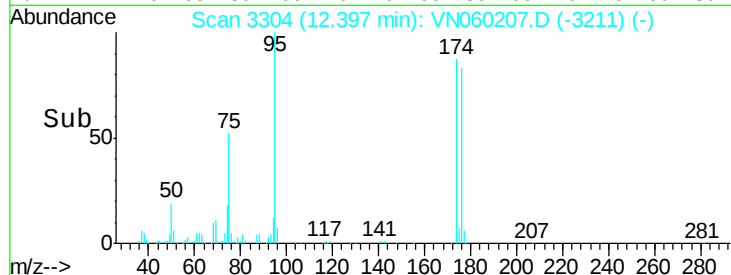
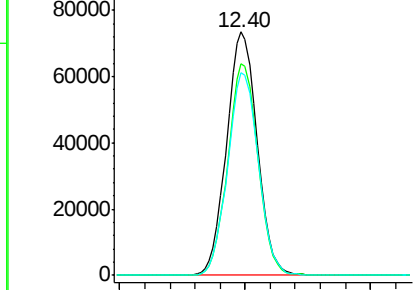
#62  
4-Bromofluorobenzene  
Concen: 49.752 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.00 min  
Lab File: VN060207.D  
Acq: 24 Feb 2020 14:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
WH-2-COMP-2

Tot Ion: 95 Resp: 124268  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 169.8  
176 83.4 0.0 164.8

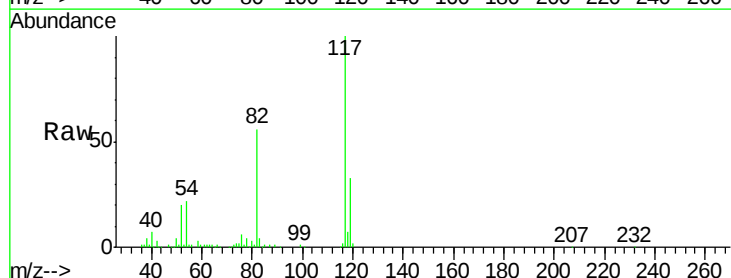


Abundance Ion 94.90 (94.60 to 95.60): VN060207.D (-3211) (-)  
Ion 173.80 (173.50 to 174.50): VN060207.D (-3211) (-)  
Ion 175.80 (175.50 to 176.50): VN060207.D (-3211) (-)

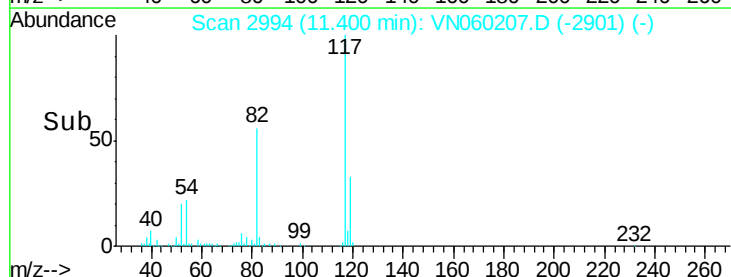
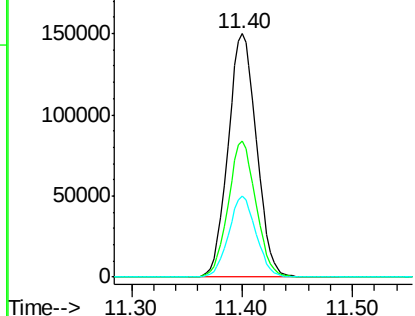


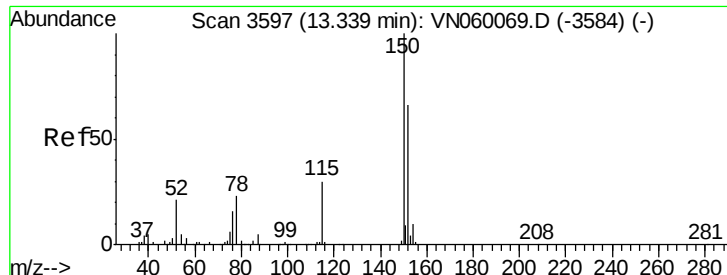
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060207.D  
Acq: 24 Feb 2020 14:09

Tgt Ion: 117 Resp: 267212  
Ion Ratio Lower Upper  
117 100  
82 55.8 43.4 65.0  
119 33.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN060207.D (-2901) (-)  
Ion 82.00 (81.70 to 82.70): VN060207.D (-2901) (-)  
Ion 118.90 (118.60 to 119.60): VN060207.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA\_N

ClientSampleId :

WH-2-COMP-2

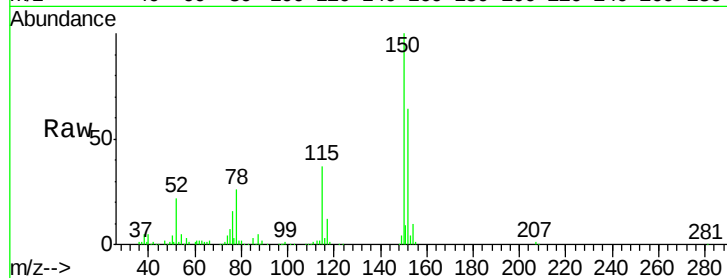
Tot Ion:152 Resp: 119938

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.8

150 158.1 0.0 342.4



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

