

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\  
 Data File : VN051985.D  
 Acq On : 24 Oct 2018 14:00  
 Operator : MD\SY  
 Sample : PB114120ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114120ZHE#01

Quant Time: Oct 25 02:03:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 10:12:55 2018  
 Response via : Initial Calibration

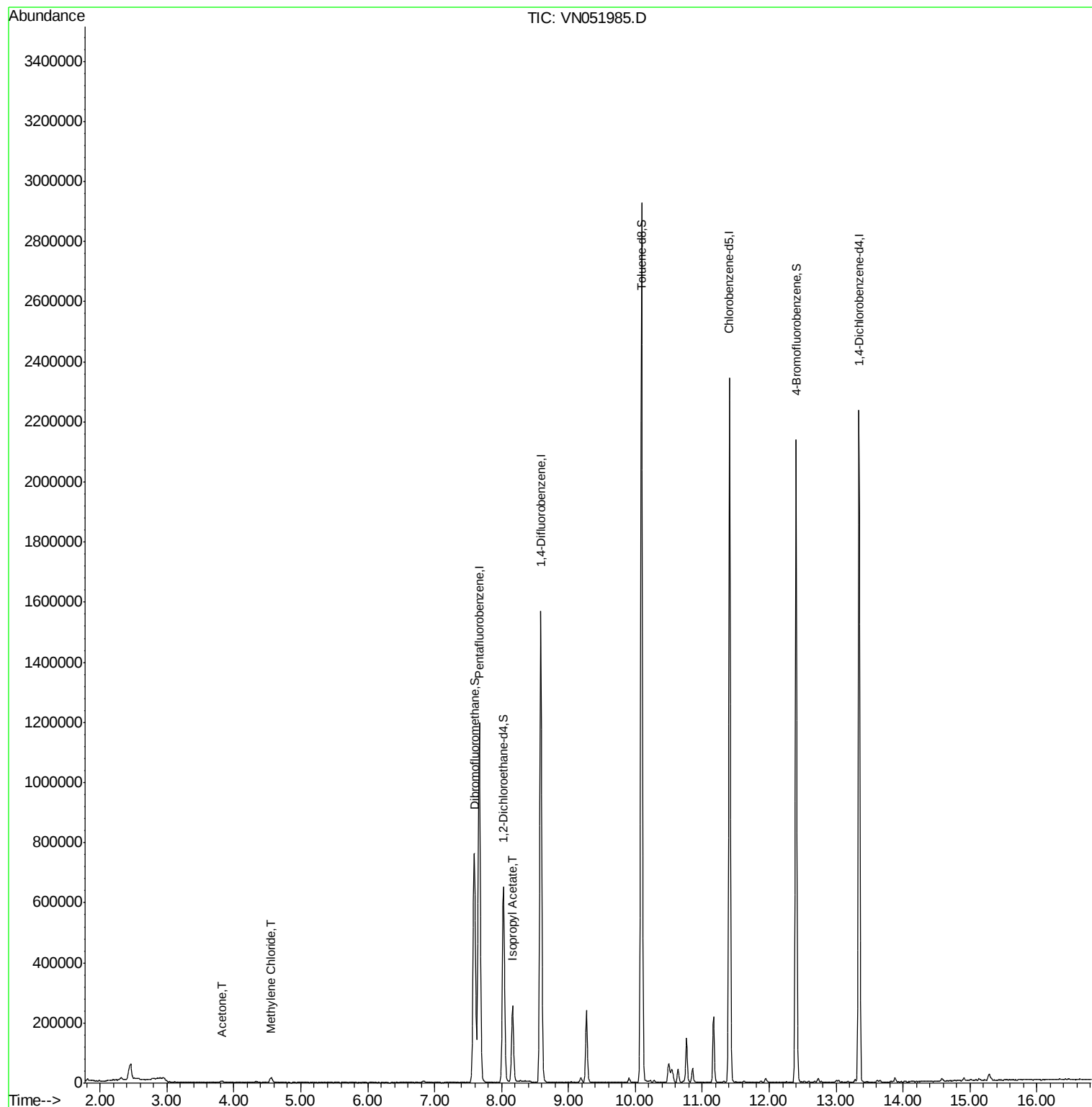
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1079595  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1570359  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1458873  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 642142   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 549531   | 57.15  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.30% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 581816   | 58.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.12% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2141812  | 59.15  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 118.30% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 666854   | 53.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.16% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 7373     | 4.654  | ug/l #  | 75       |
| 20) Methylene Chloride      | 4.55  | 84   | 13203    | 1.421  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.16  | 43   | 283020   | 28.054 | ug/l    | 99       |

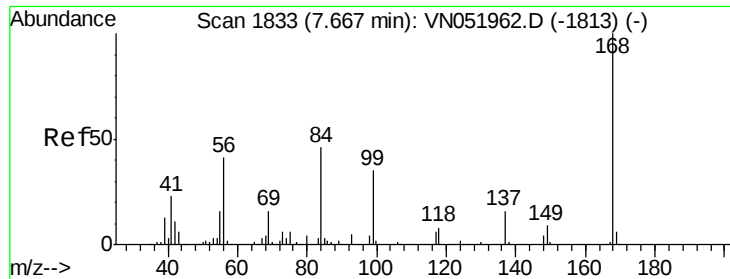
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102418\  
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QLast Update : Wed Oct 24 10:12:55 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: VN051985.D

Acq: 24 Oct 2018 14:00

Instrument :

MSVOA\_N

ClientSampleId :

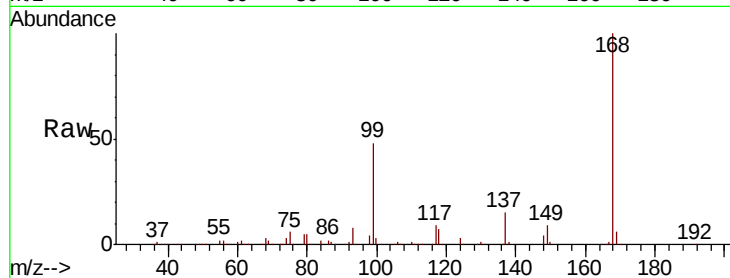
PB114120ZHE#01

Tot Ion:168 Resp: 1079595

Ion Ratio Lower Upper

168 100

99 47.9 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

500000

400000

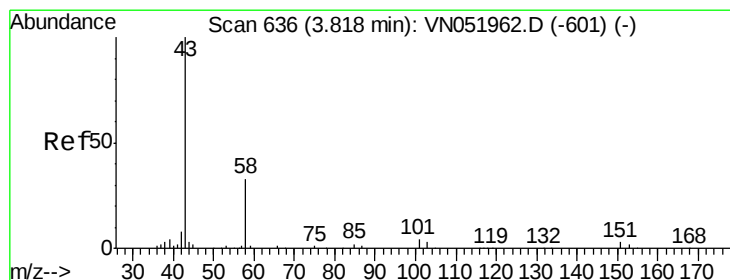
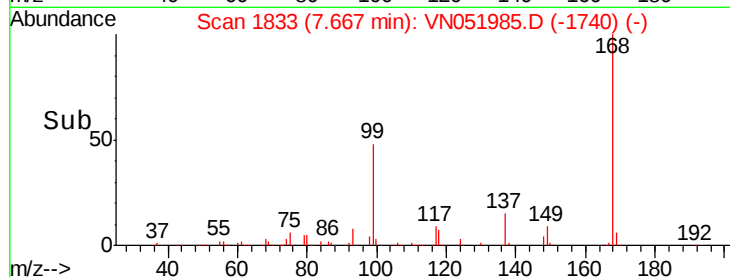
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.654 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051985.D

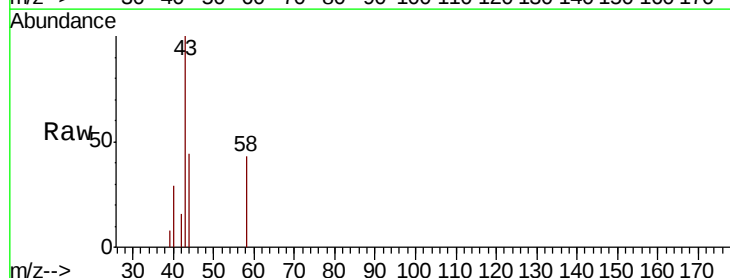
Acq: 24 Oct 2018 14:00

Tgt Ion: 43 Resp: 7373

Ion Ratio Lower Upper

43 100

58 47.5 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)

3.82

2500

2000

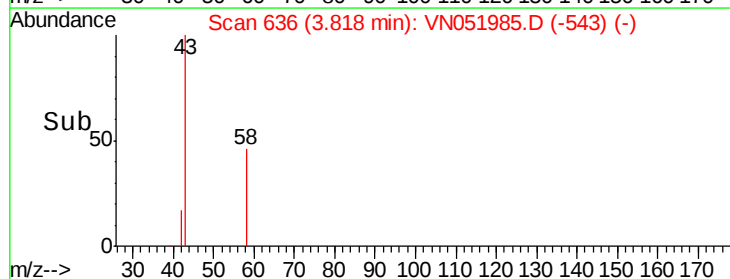
1500

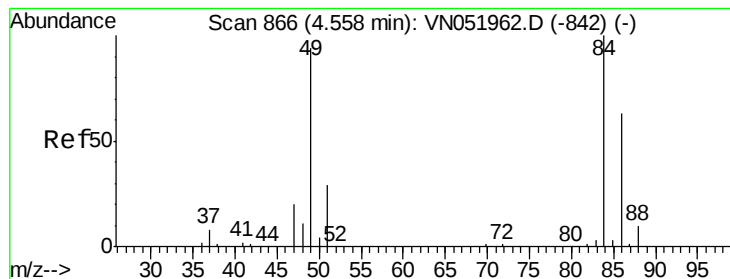
1000

500

0

Time-->





#20

Methylene Chloride

Concen: 1.421 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN051985.D

Acq: 24 Oct 2018 14:00

Instrument :

MSVOA\_N

ClientSampleId :

PB114120ZHE#01

Tot Ion: 84 Resp: 13203

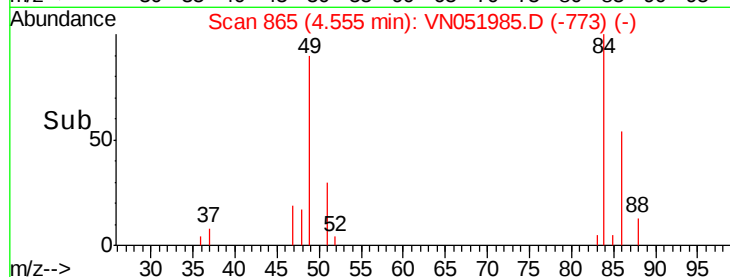
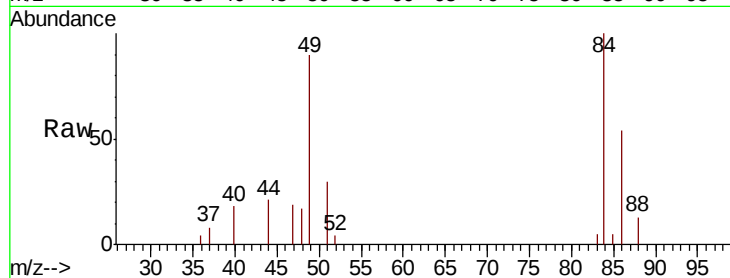
Ion Ratio Lower Upper

84 100

49 89.7 75.4 113.0

51 30.4 23.1 34.7

86 54.3 50.2 75.4

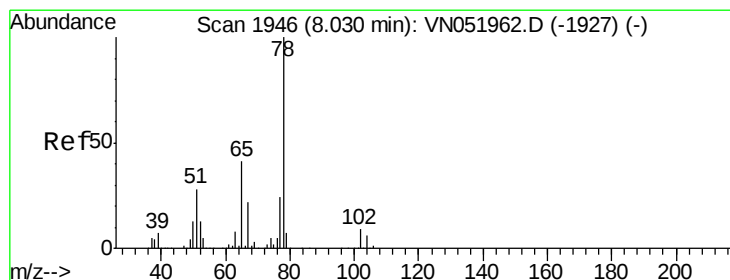
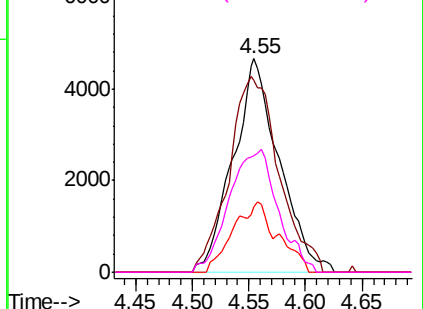


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051985.D

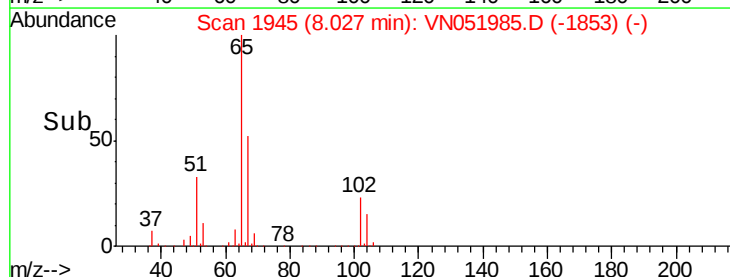
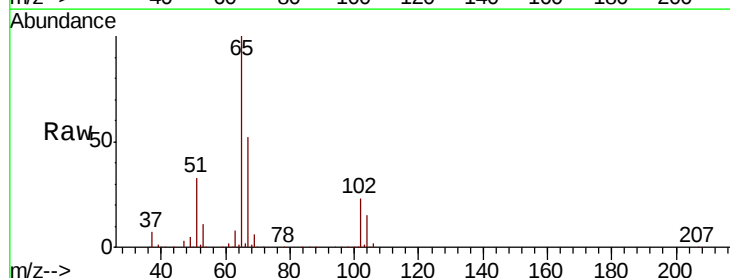
Acq: 24 Oct 2018 14:00

Tgt Ion: 65 Resp: 549531

Ion Ratio Lower Upper

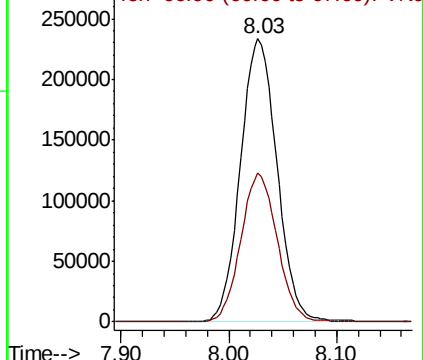
65 100

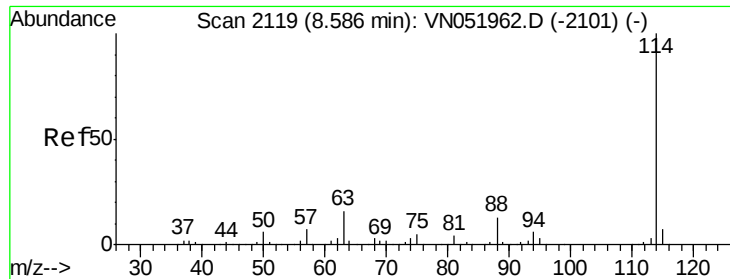
67 52.7 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

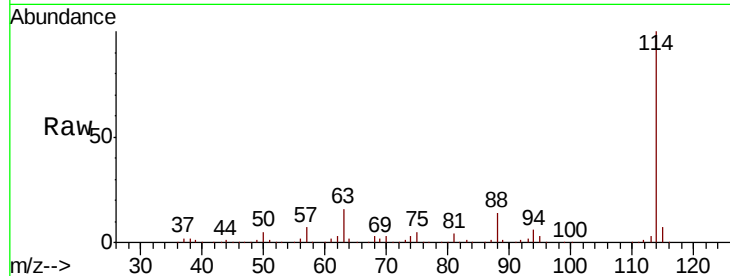




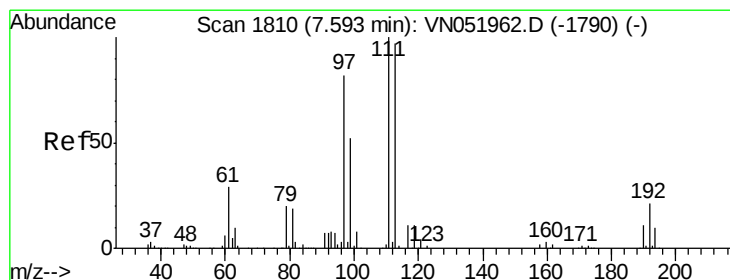
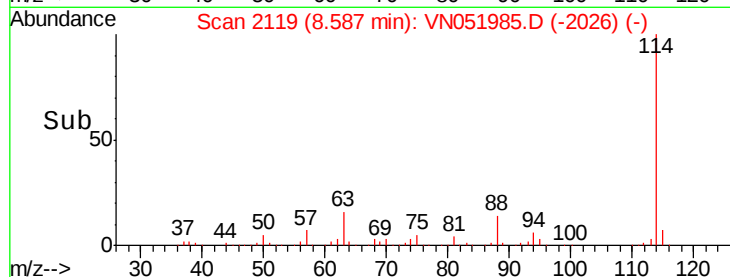
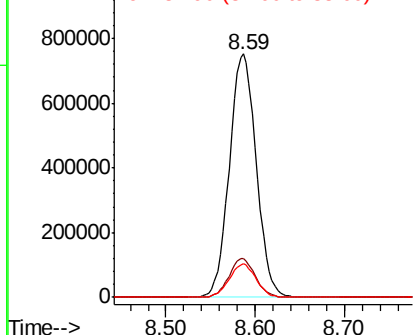
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051985.D  
 Acq: 24 Oct 2018 14:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114120ZHE#01

Tot Ion:114 Resp: 1570359  
 Ion Ratio Lower Upper  
 114 100  
 63 15.8 0.0 31.2  
 88 13.6 0.0 27.0

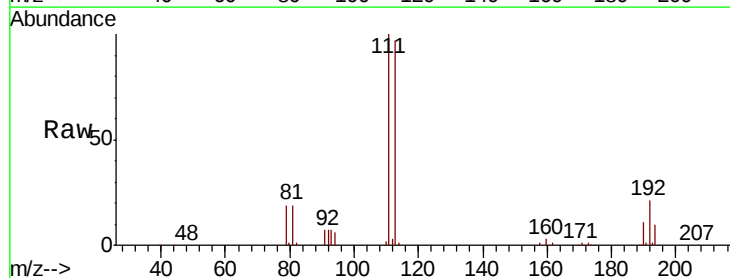


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

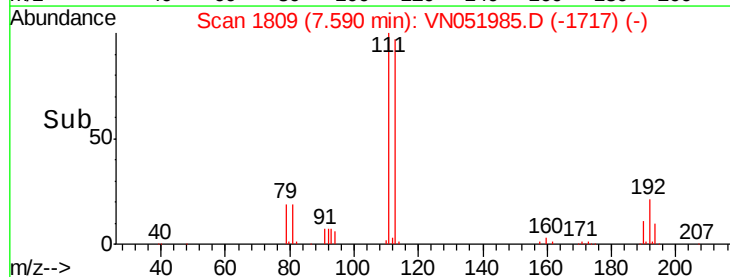
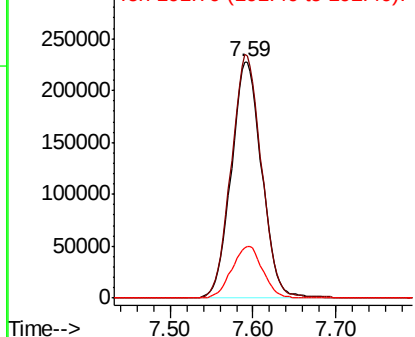


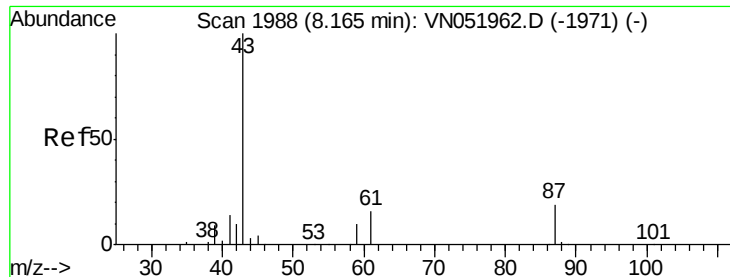
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN051985.D  
 Acq: 24 Oct 2018 14:00

Tgt Ion:113 Resp: 581816  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 80.7 121.1  
 192 22.3 17.2 25.8



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: 28.054 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051985.D

Acq: 24 Oct 2018 14:00

Instrument :

MSVOA\_N

ClientSampleId :

PB114120ZHE#01

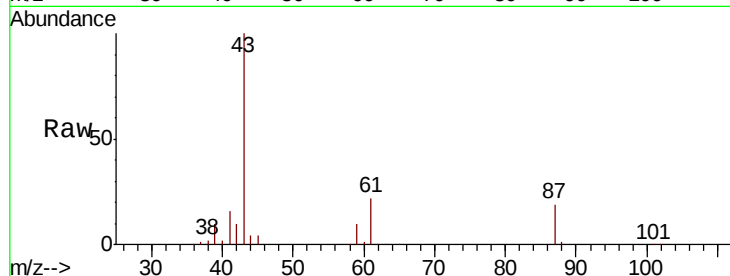
Tot Ion: 43 Resp: 283020

Ion Ratio Lower Upper

43 100

61 21.6 17.2 25.8

87 18.1 15.2 22.8

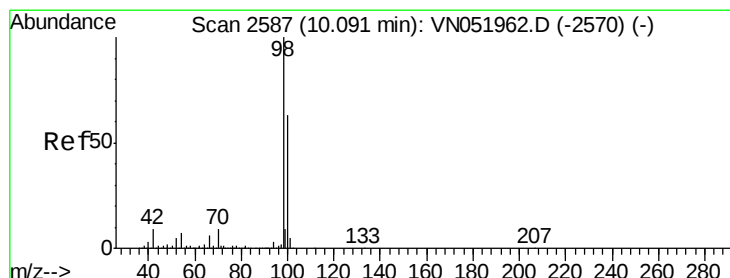
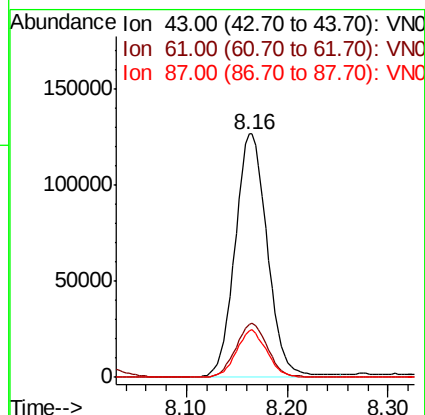
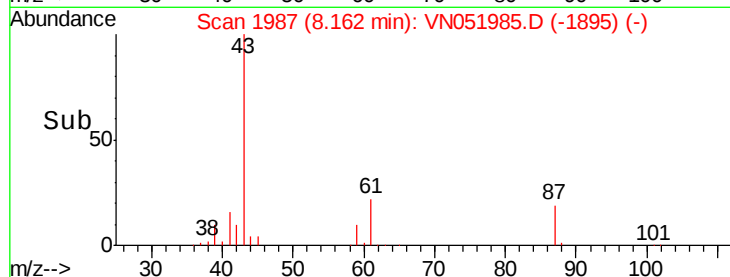


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)

8.16



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051985.D

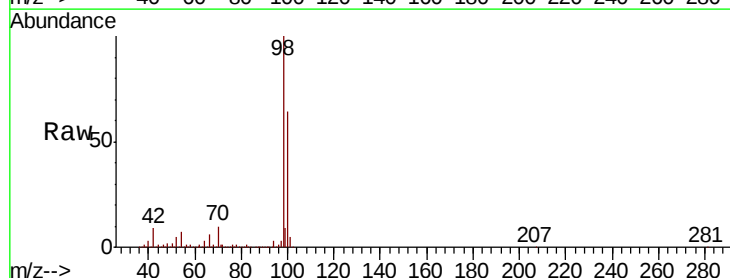
Acq: 24 Oct 2018 14:00

Tgt Ion: 98 Resp: 2141812

Ion Ratio Lower Upper

98 100

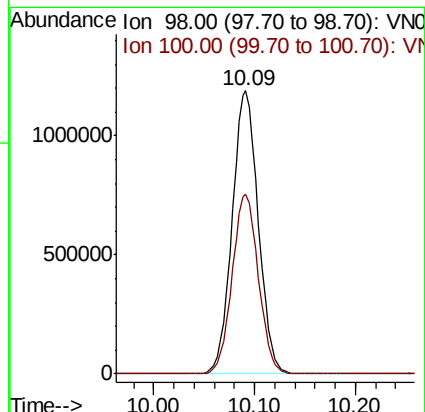
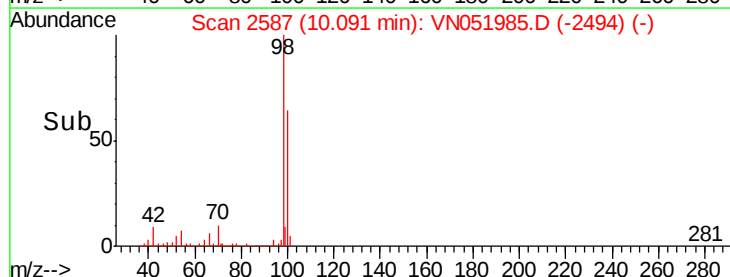
100 63.8 50.7 76.1

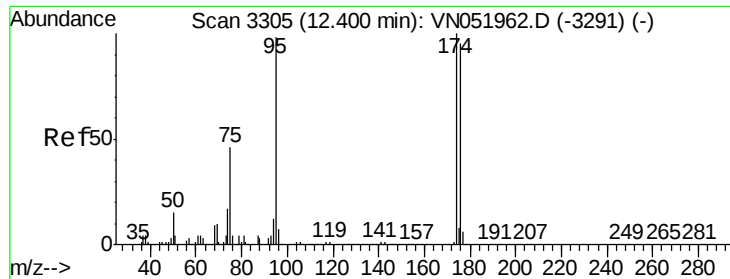


Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)

10.09





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051985.D

Acq: 24 Oct 2018 14:00

Instrument :

MSVOA\_N

ClientSampleId :

PB114120ZHE#01

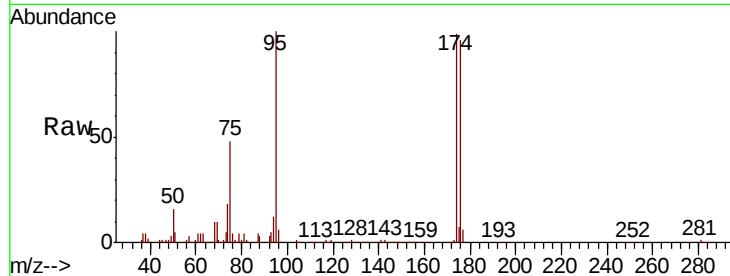
Tot Ion: 95 Resp: 666854

Ion Ratio Lower Upper

95 100

174 99.8 0.0 206.0

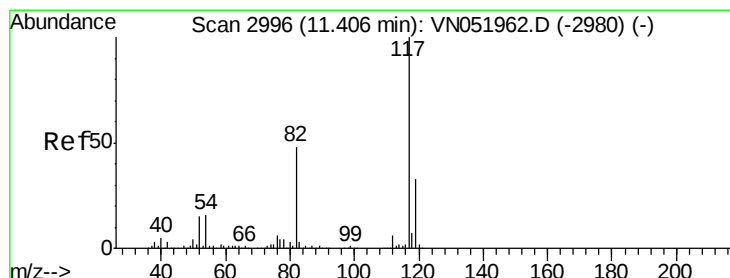
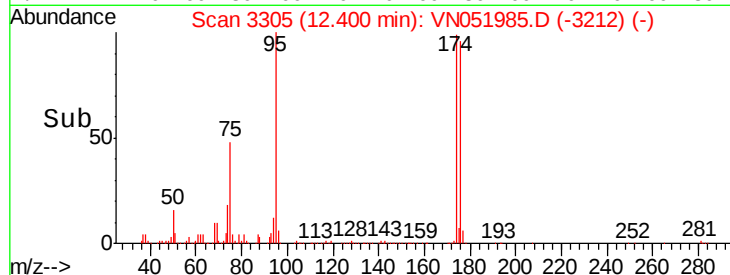
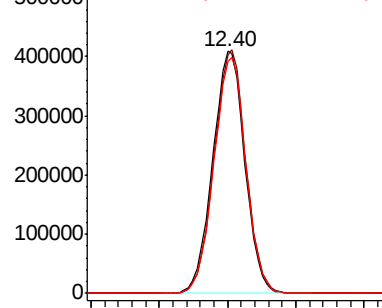
176 97.0 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): VN051962.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051962.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051962.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051985.D

Acq: 24 Oct 2018 14:00

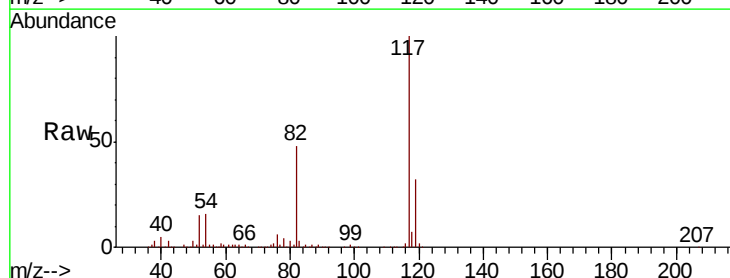
Tgt Ion: 117 Resp: 1458873

Ion Ratio Lower Upper

117 100

82 48.0 38.1 57.1

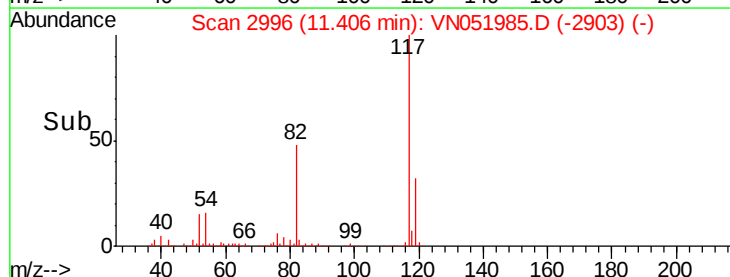
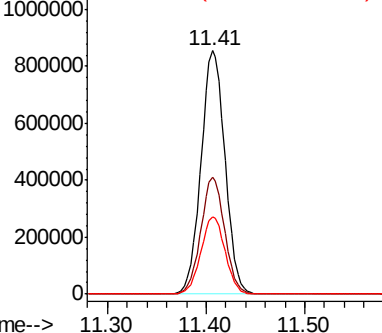
119 31.9 26.4 39.6

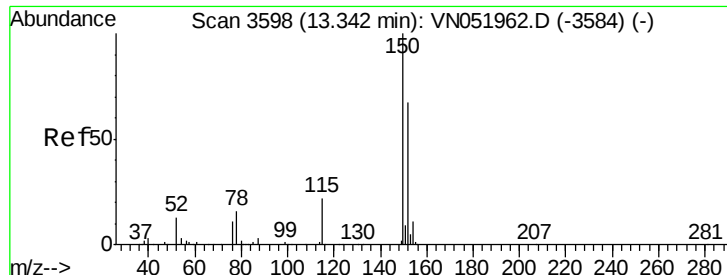


Abundance Ion 116.90 (116.60 to 117.60): VN051962.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051962.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051962.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051985.D

Acq: 24 Oct 2018 14:00

Instrument :

MSVOA\_N

ClientSampleId :

PB114120ZHE#01

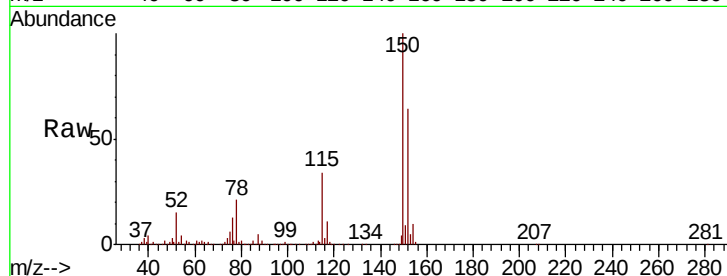
Tot Ion:152 Resp: 642142

Ion Ratio Lower Upper

152 100

115 54.0 25.8 77.3

150 158.4 0.0 344.4



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

