

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
 Data File : VN050848.D
 Acq On : 23 Aug 2018 13:08
 Operator : MD\SY
 Sample : PB112301ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112301ZHE#02

Quant Time: Aug 24 03:09:28 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	627837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1042332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	876347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	294370	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	417095	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
35) Dibromofluoromethane	7.59	113	393372	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	10.09	98	1406219	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	
62) 4-Bromofluorobenzene	12.40	95	376564	36.55	ug/l	0.00
Spiked Amount			Recovery	=	73.10%	

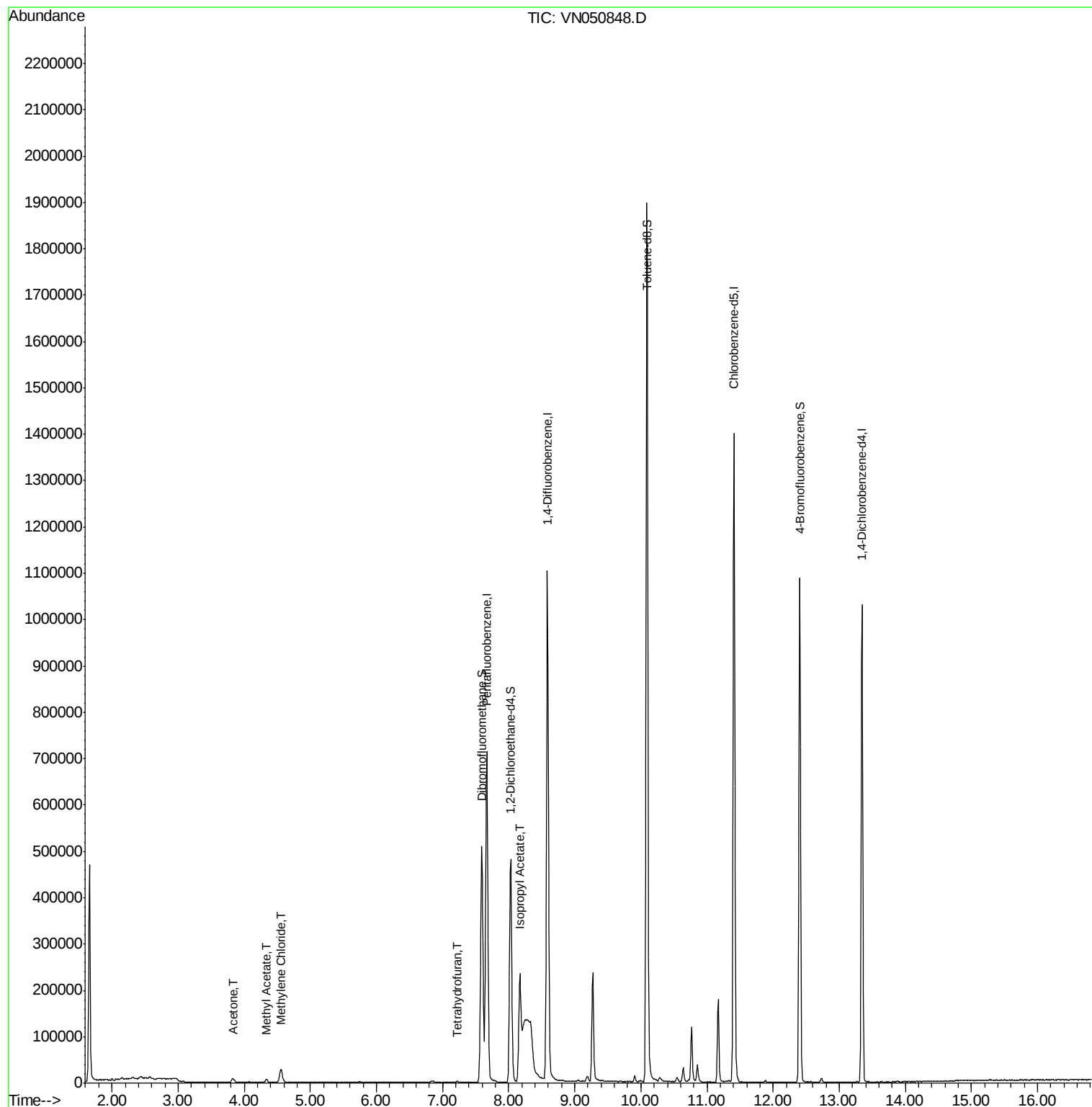
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	14885	1.29	ug/l	100
18) Methyl Acetate	4.34	43	12380	1.73	ug/l	95
20) Methylene Chloride	4.55	84	22334	2.62	ug/l	96
29) Tetrahydrofuran	7.22	42	1826	1.05	ug/l #	54
43) Isopropyl Acetate	8.17	43	312311	25.71	ug/l #	92

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
Data File : VN050848.D
Acq On : 23 Aug 2018 13:08
Operator : MD\SY
Sample : PB112301ZHE#02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB112301ZHE#02

Quant Time: Aug 24 03:09:28 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050848.D

Acq: 23 Aug 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

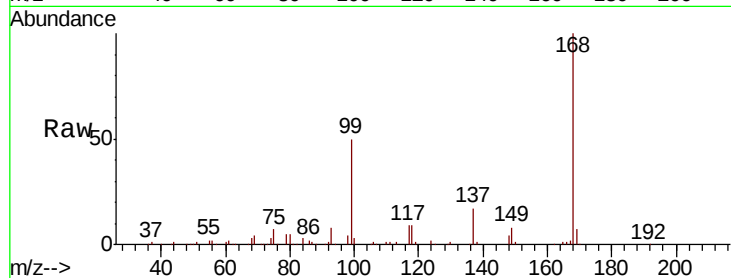
PB112301ZHE#02

Tot Ion:168 Resp: 627837

Ion Ratio Lower Upper

168 100

99 49.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050848.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN050848.D (-1797) (-)

7.67

250000

200000

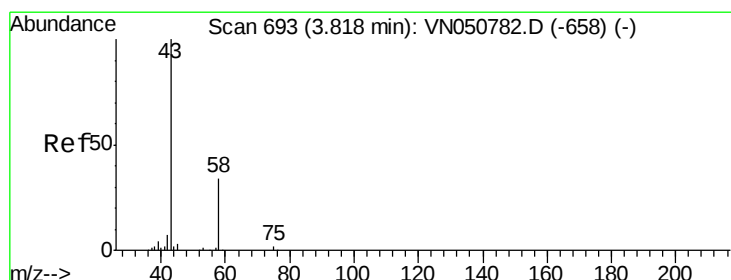
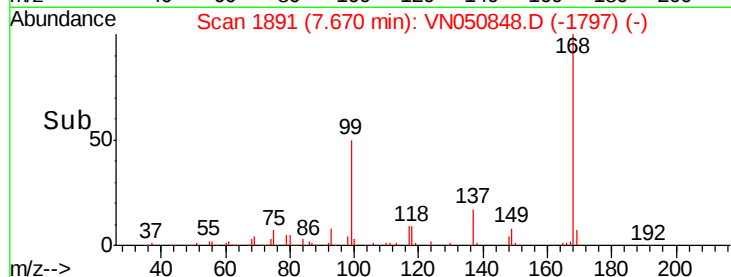
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.29 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050848.D

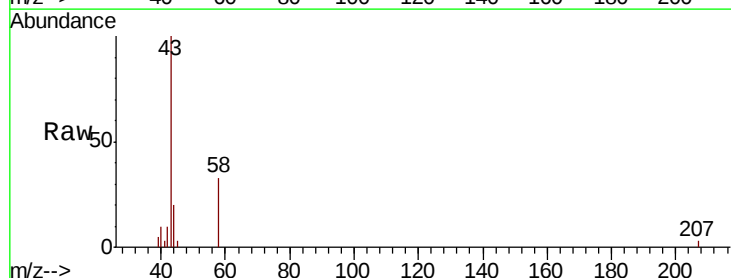
Acq: 23 Aug 2018 13:08

Tgt Ion: 43 Resp: 14885

Ion Ratio Lower Upper

43 100

58 33.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN050848.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN050848.D (-600) (-)

3.83

6000

5000

4000

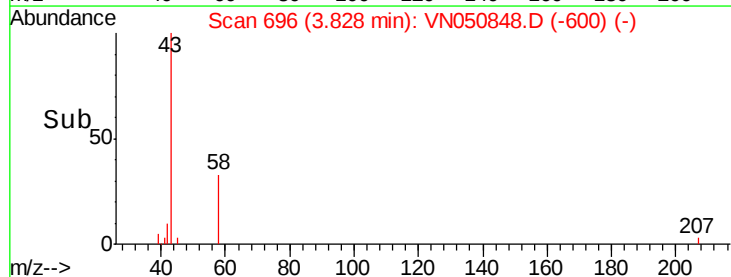
3000

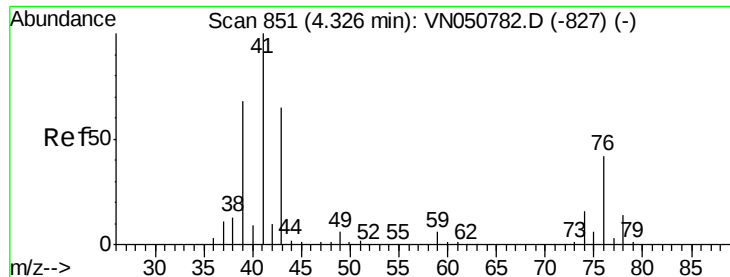
2000

1000

0

Time-->

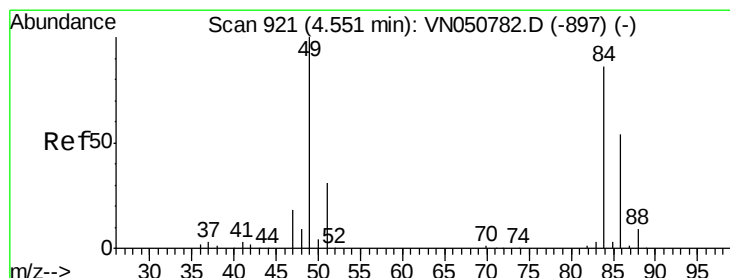
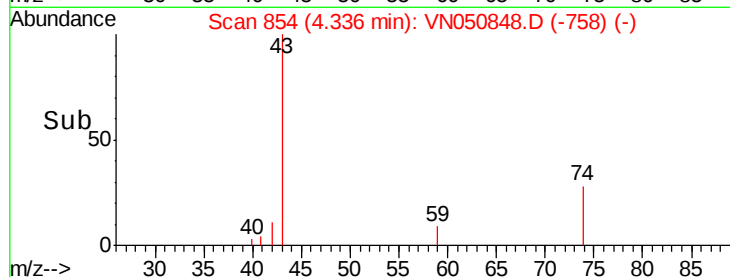
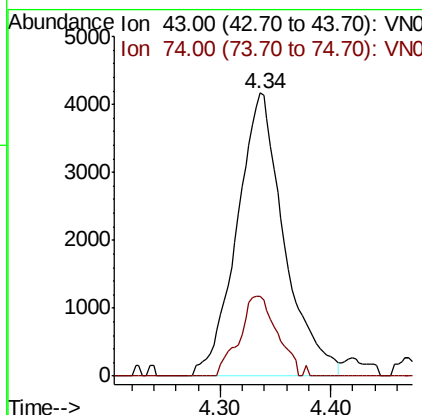
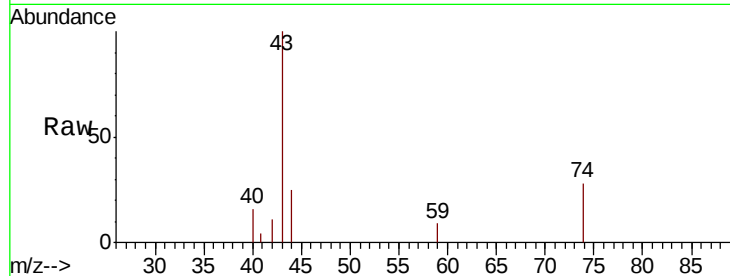




#18
Methvl Acetate
Concen: 1.73 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050848.D
Acq: 23 Aug 2018 13:08

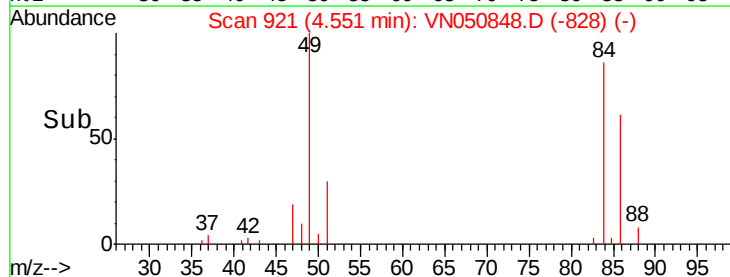
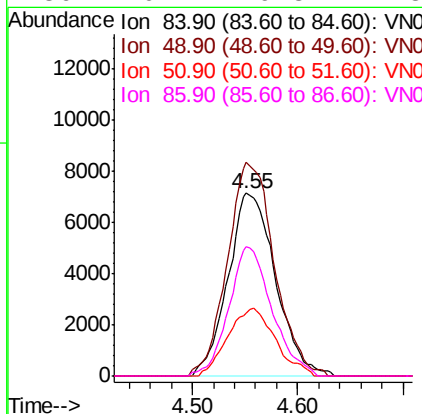
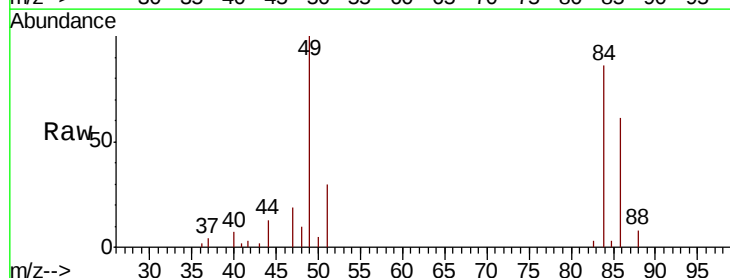
Instrument :
MSVOA_N
ClientSampleId :
PB112301ZHE#02

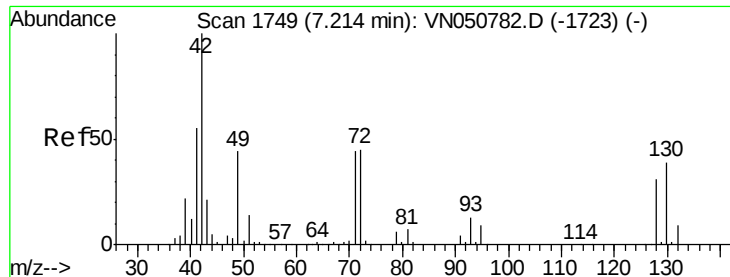
Tot Ion: 43 Resp: 12380
Ion Ratio Lower Upper
43 100
74 22.3 19.8 29.8



#20
Methylene Chloride
Concen: 2.62 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050848.D
Acq: 23 Aug 2018 13:08

Tgt Ion: 84 Resp: 22334
Ion Ratio Lower Upper
84 100
49 116.7 93.2 139.8
51 34.6 29.0 43.6
86 70.7 49.8 74.8





#29

Tetrahydrofuran

Concen: 1.05 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN050848.D

Acq: 23 Aug 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

PB112301ZHE#02

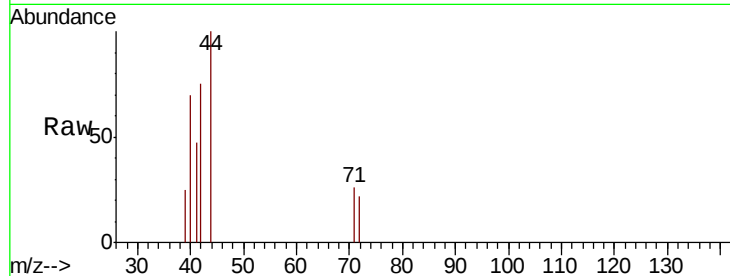
Tot Ion: 42 Resp: 1826

Ion Ratio Lower Upper

42 100

72 15.0 35.5 53.3#

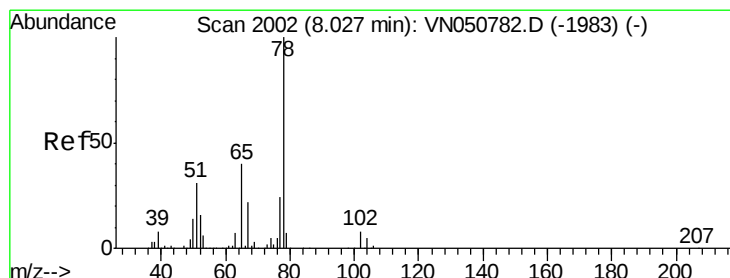
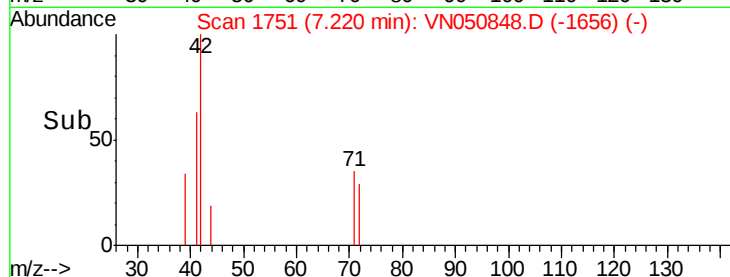
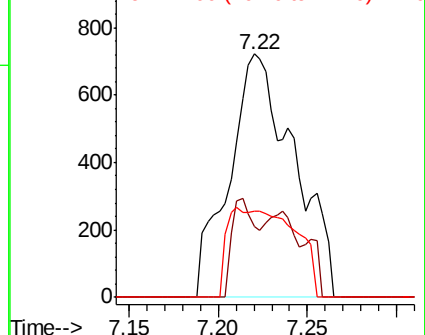
71 12.8 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 55.18 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050848.D

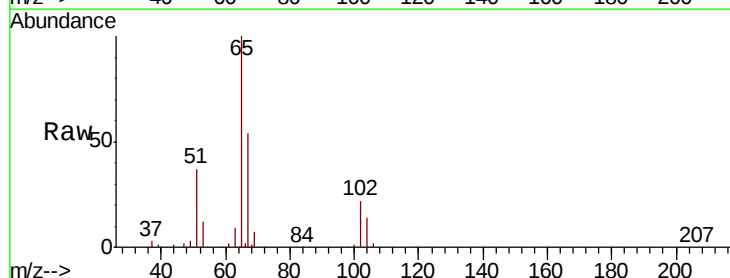
Acq: 23 Aug 2018 13:08

Tgt Ion: 65 Resp: 417095

Ion Ratio Lower Upper

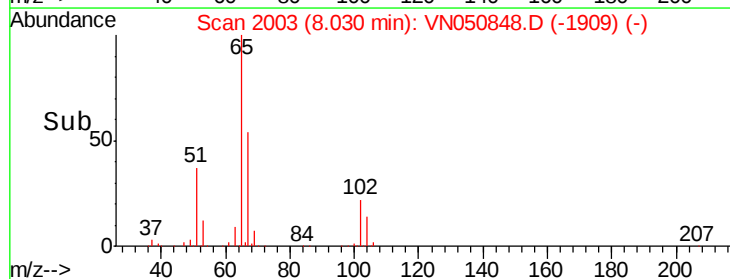
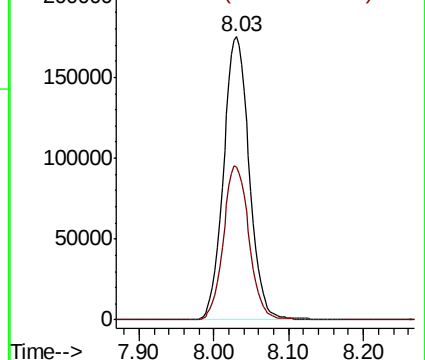
65 100

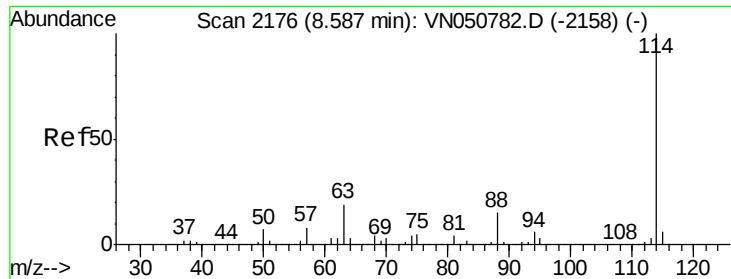
67 54.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

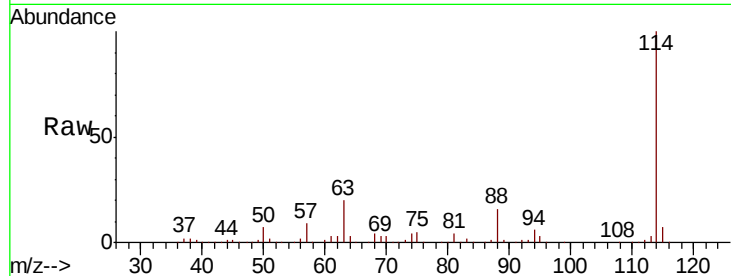




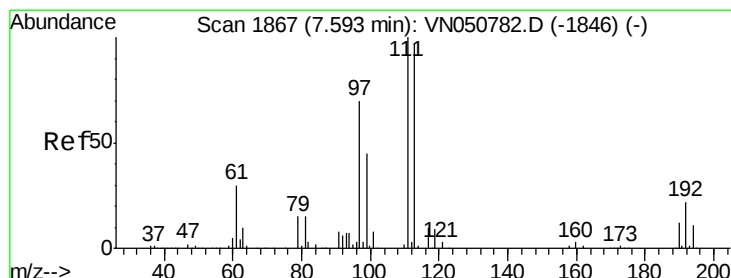
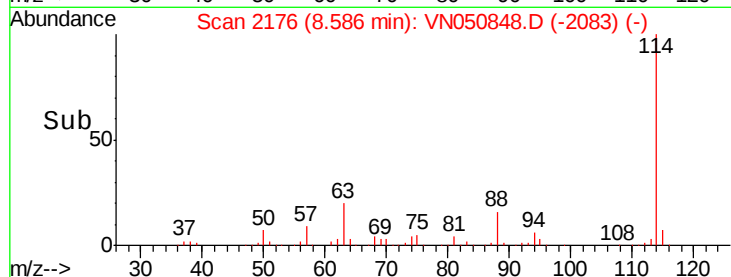
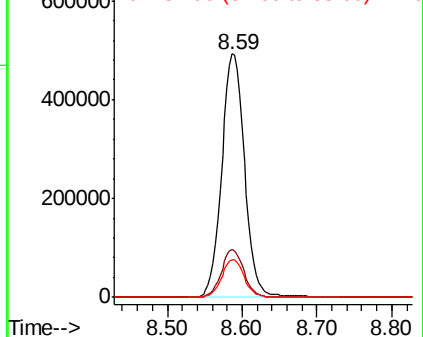
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050848.D
 Acq: 23 Aug 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112301ZHE#02

Tot Ion:114 Resp: 1042332
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.5 0.0 30.6

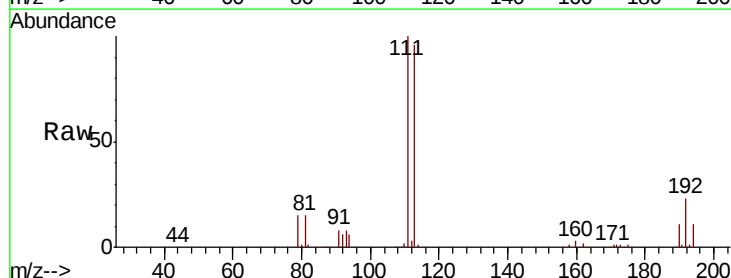


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

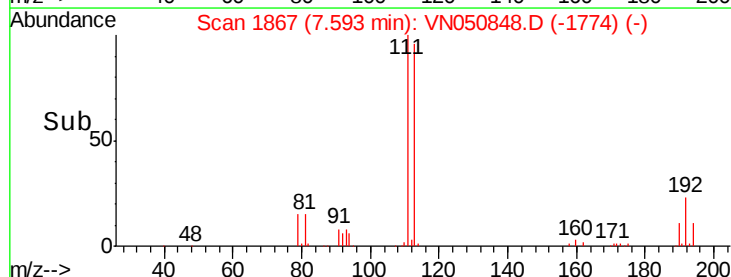
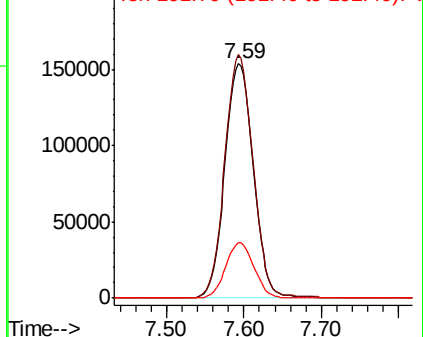


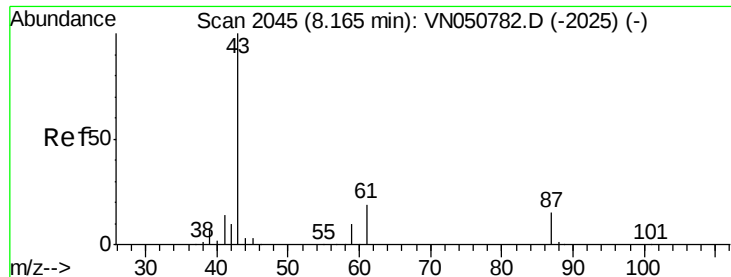
#35
 Dibromofluoromethane
 Concen: 47.44 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050848.D
 Acq: 23 Aug 2018 13:08

Tgt Ion:113 Resp: 393372
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 123.8
 192 23.5 18.0 27.0



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: 25.71 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050848.D

Acq: 23 Aug 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

PB112301ZHE#02

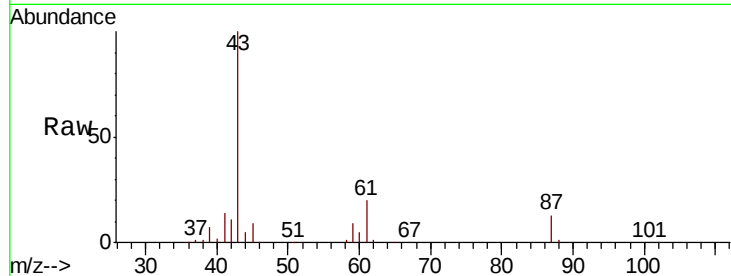
Tot Ion: 43 Resp: 312311

Ion Ratio Lower Upper

43 100

61 17.3 17.5 26.3#

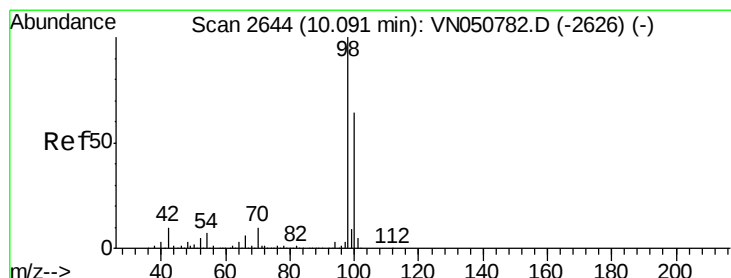
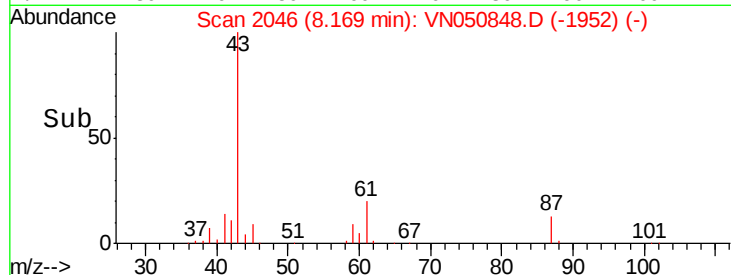
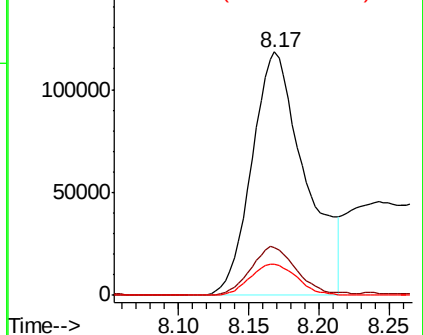
87 11.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 45.36 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050848.D

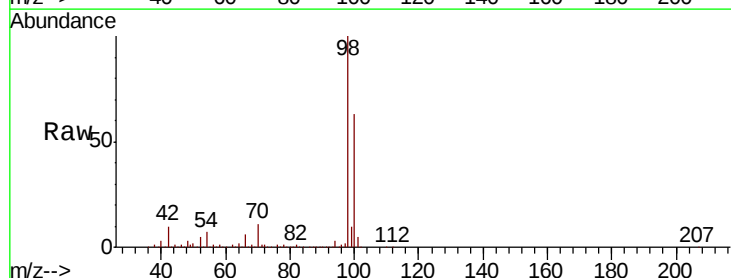
Acq: 23 Aug 2018 13:08

Tgt Ion: 98 Resp: 1406219

Ion Ratio Lower Upper

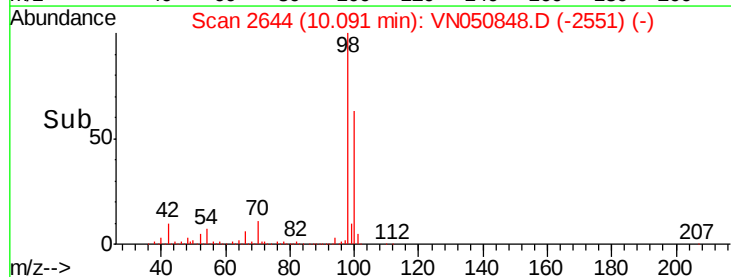
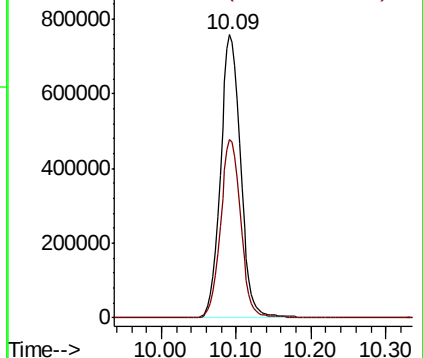
98 100

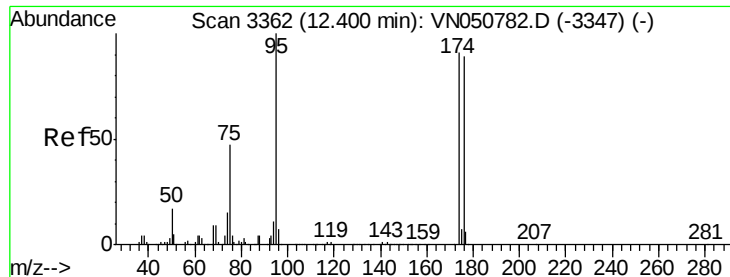
100 63.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 36.55 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050848.D

Acq: 23 Aug 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

PB112301ZHE#02

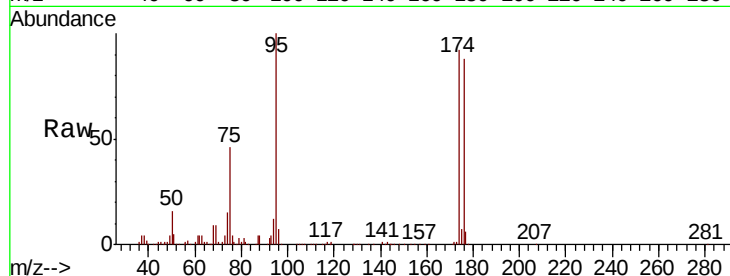
Tot Ion: 95 Resp: 376564

Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.0

176 88.5 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050848.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050848.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050848.D (-3347) (-)

12.40

250000

200000

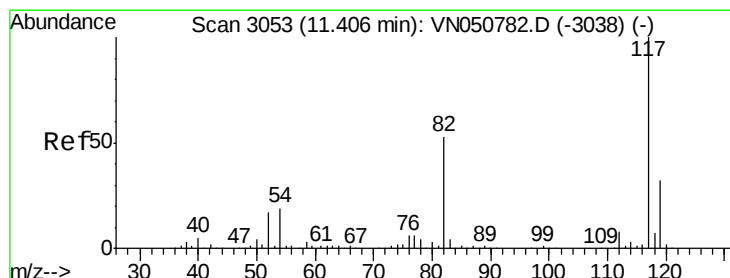
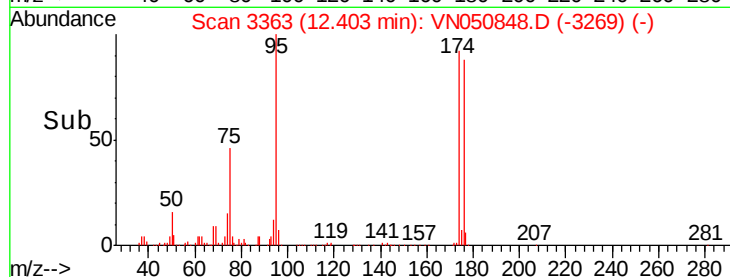
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN050848.D

Acq: 23 Aug 2018 13:08

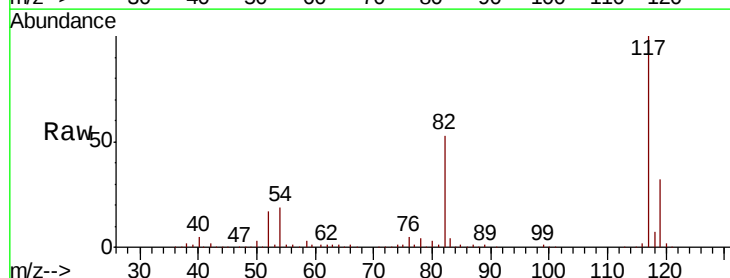
Tgt Ion: 117 Resp: 876347

Ion Ratio Lower Upper

117 100

82 53.0 42.6 64.0

119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN050848.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050848.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050848.D (-3038) (-)

11.41

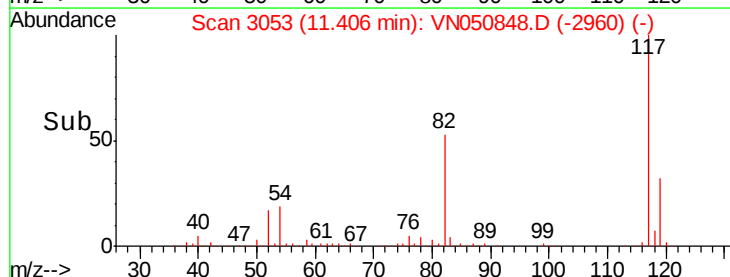
600000

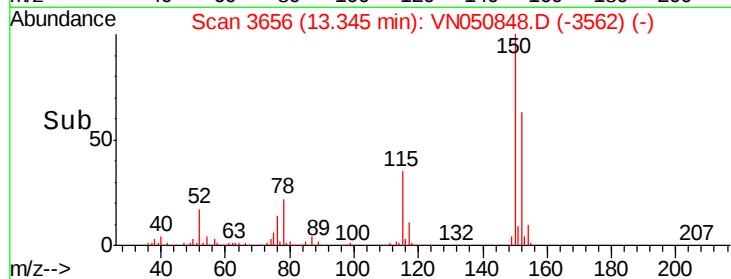
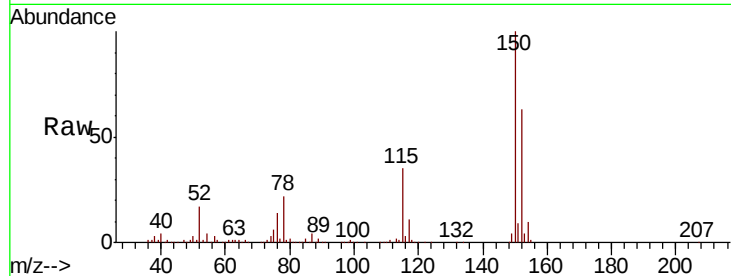
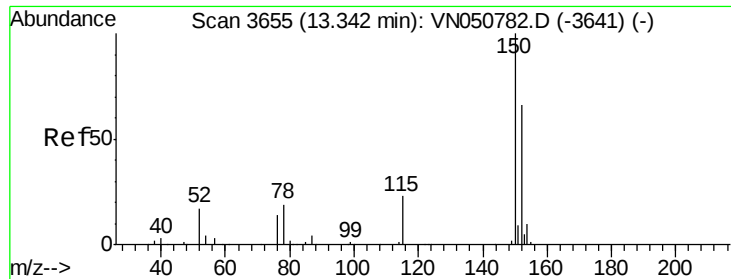
400000

200000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050848.D

Acq: 23 Aug 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

PB112301ZHE#02

Tot Ion:152 Resp: 294370

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

150 158.2 0.0 351.4

