

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051512.D
 Acq On : 26 Sep 2018 3:22
 Operator : MD\SY
 Sample : PB113167ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113167ZHE#06

Quant Time: Sep 26 05:42:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

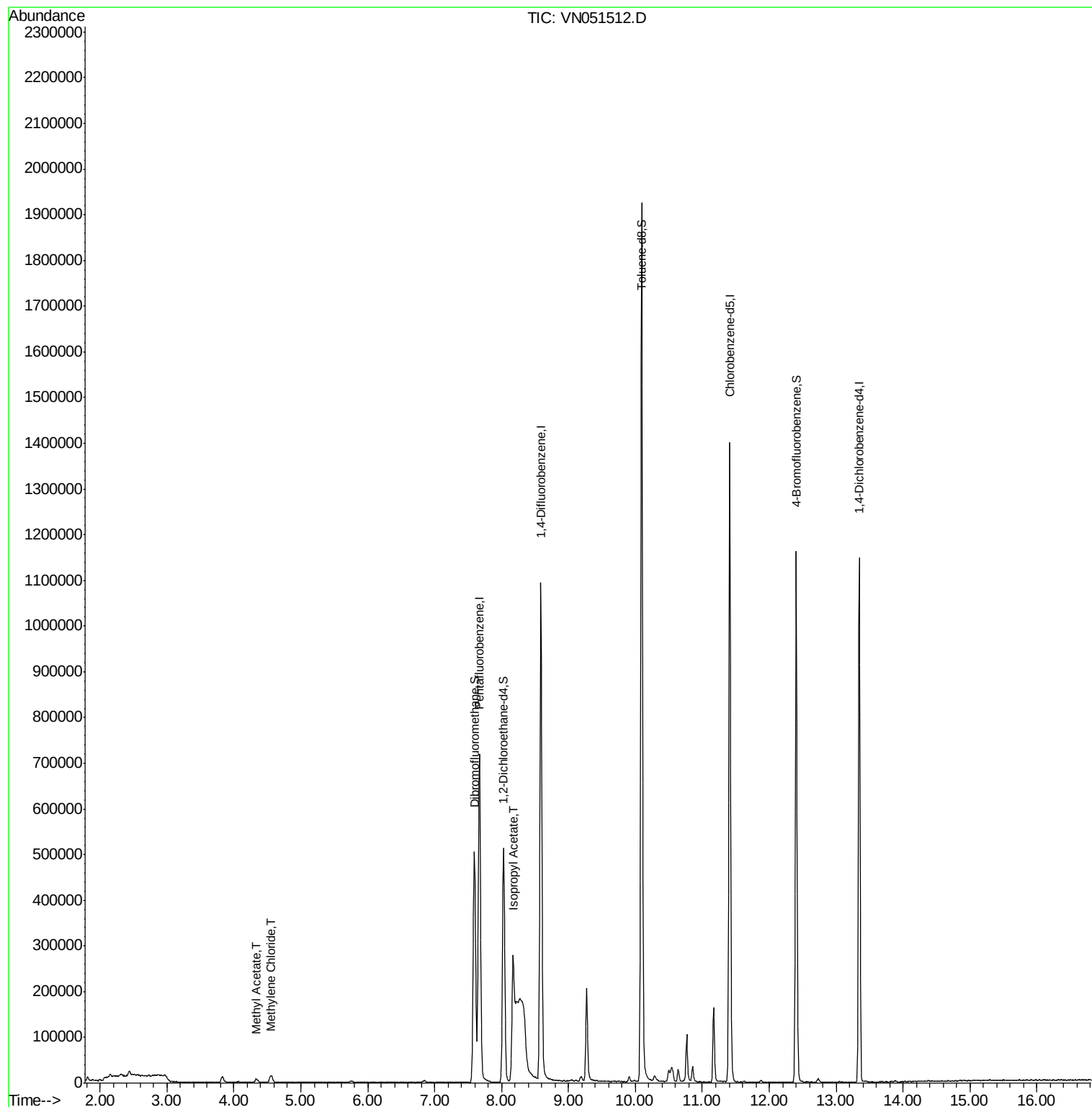
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	620576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1007722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	320523	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	444189	57.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.28%	
35) Dibromofluoromethane	7.59	113	388894	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	
50) Toluene-d8	10.09	98	1398491	46.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.18%	
62) 4-Bromofluorobenzene	12.40	95	385412	39.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.52%	
Target Compounds						
18) Methyl Acetate	4.33	43	16886	2.852	ug/l	96
20) Methylene Chloride	4.55	84	12360	1.607	ug/l	92
43) Isopropyl Acetate	8.17	43	352583	29.060	ug/l #	88

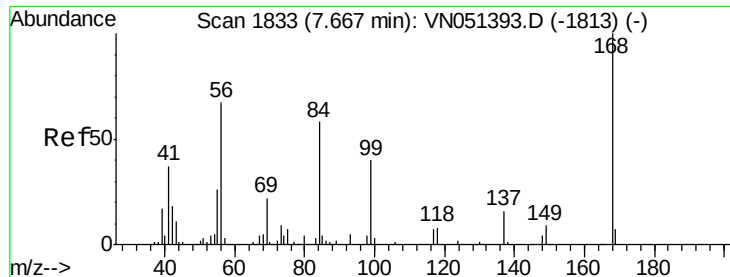
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051512.D

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Instrument :

MSVOA_N

ClientSampleId :

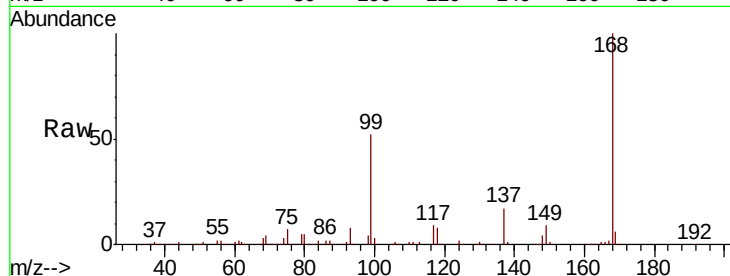
PB113167ZHE#06

Tgt Ion:168 Resp: 620576

Ion Ratio Lower Upper

168 100

99 52.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051512.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051512.D (-1740) (-)

7.67

250000

200000

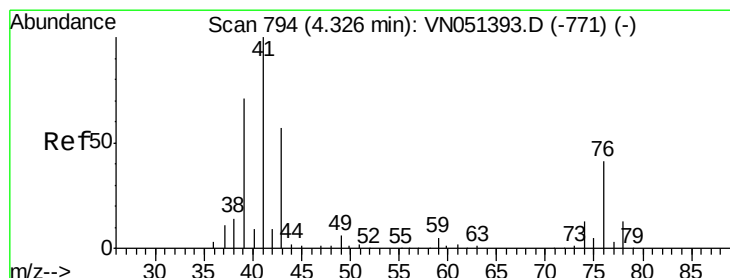
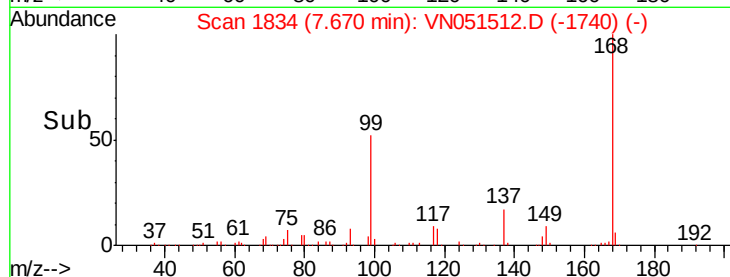
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 2.852 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051512.D

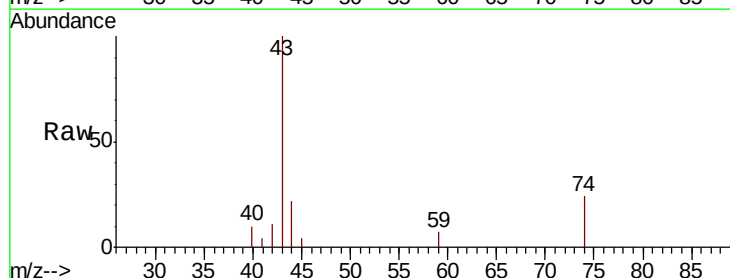
Acq: 26 Sep 2018 3:22

Tgt Ion: 43 Resp: 16886

Ion Ratio Lower Upper

43 100

74 21.3 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN051512.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN051512.D (-701) (-)

4.33

6000

5000

4000

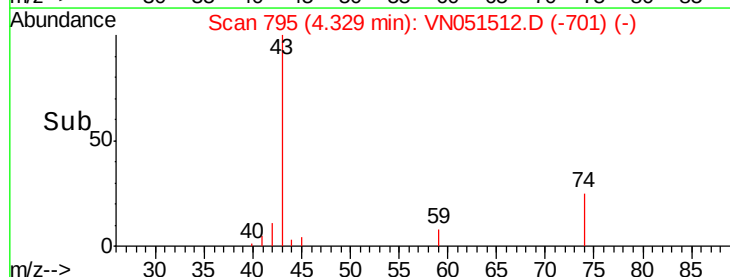
3000

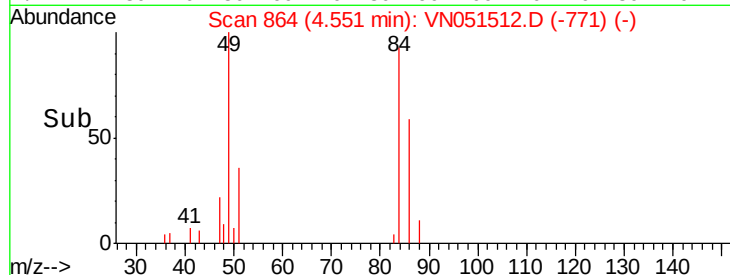
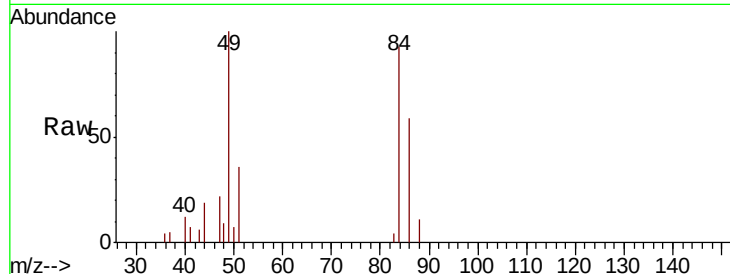
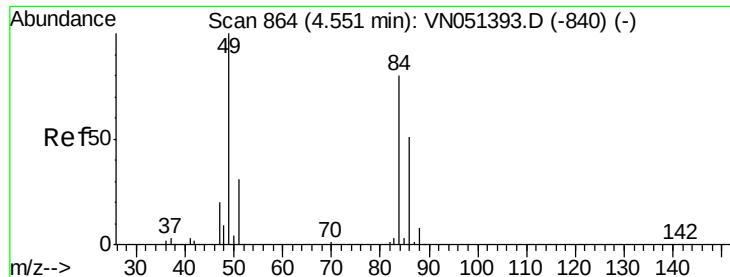
2000

1000

0

Time-->

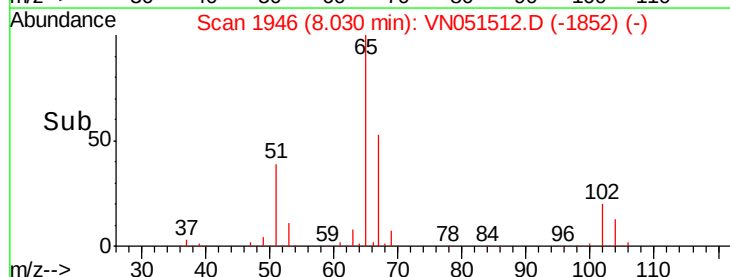
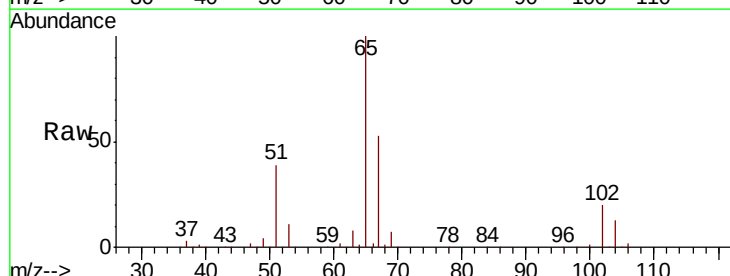
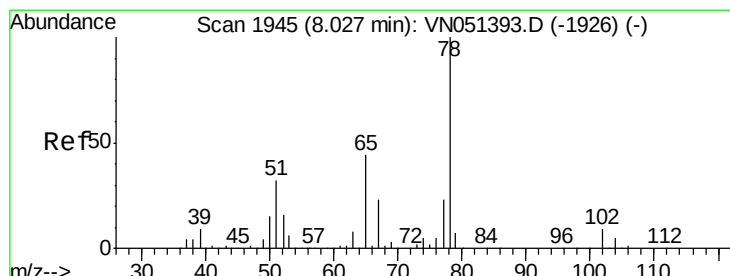
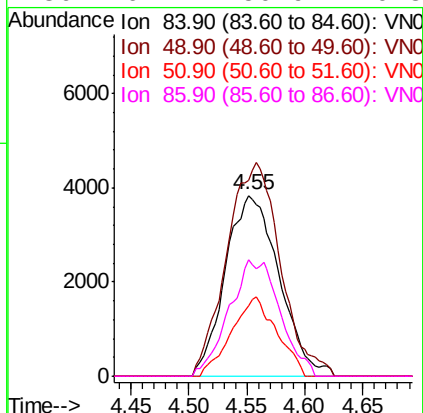




#20
Methylene Chloride
Concen: 1.607 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051512.D
Acq: 26 Sep 2018 3:22

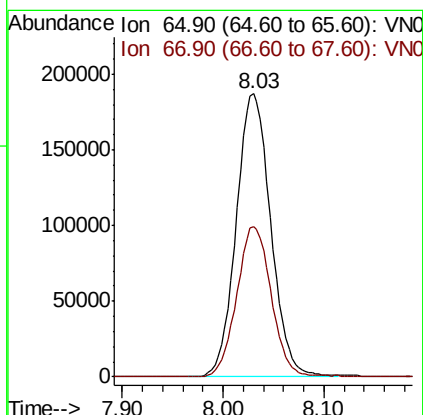
Instrument :
MSVOA_N
ClientSampleId :
PB113167ZHE#06

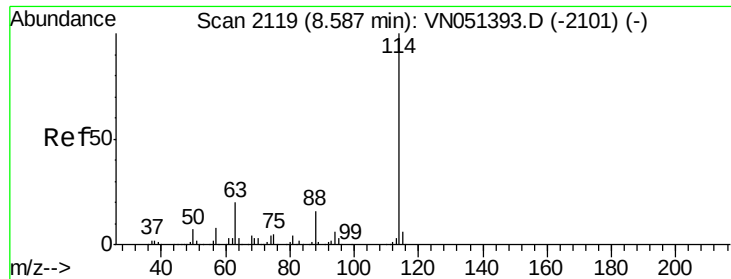
Tgt Ion: 84 Resp: 12360
Ion Ratio Lower Upper
84 100
49 107.9 99.9 149.9
51 39.1 31.4 47.2
86 64.1 50.9 76.3



#33
1,2-Dichloroethane-d4
Concen: 57.139 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051512.D
Acq: 26 Sep 2018 3:22

Tgt Ion: 65 Resp: 444189
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.8



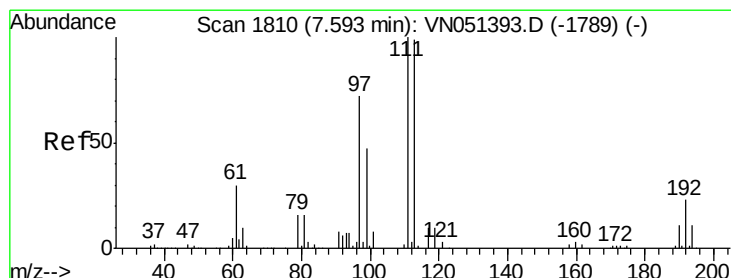
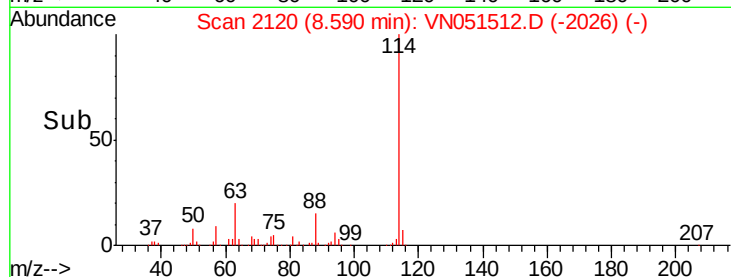
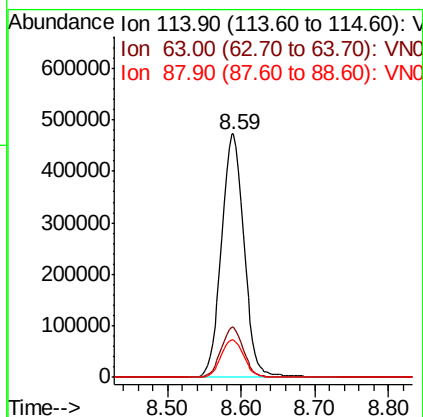
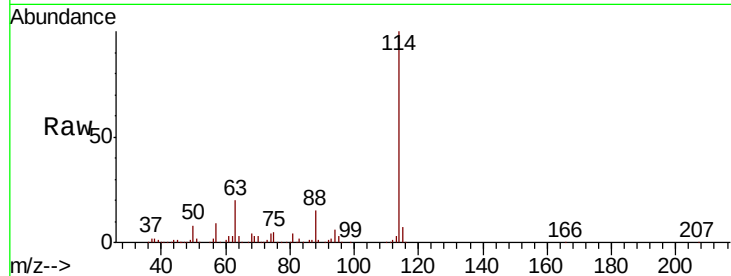


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051512.D
 Acq: 26 Sep 2018 3:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113167ZHE#06

Tgt Ion:114 Resp: 1007722

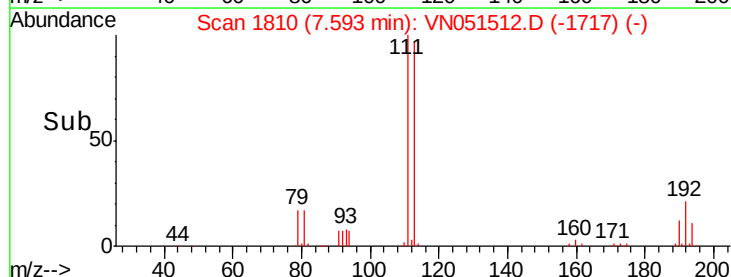
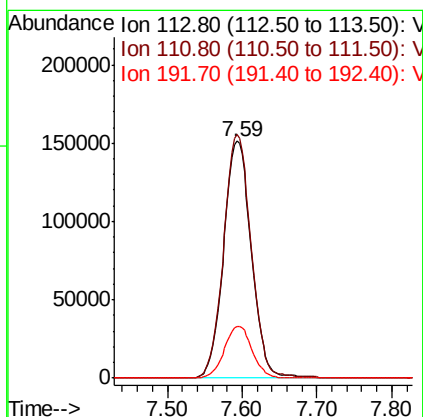
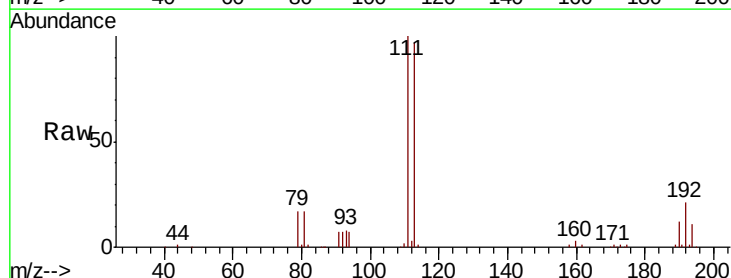
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.2
88	15.4	0.0	31.4

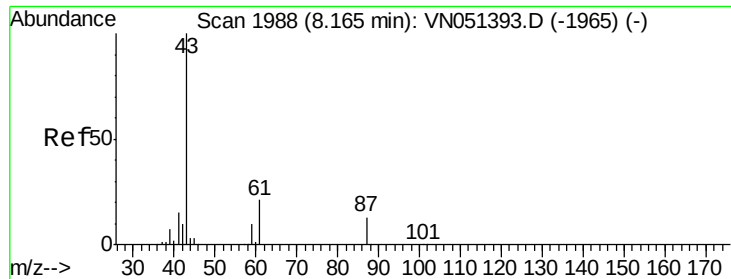


#35
 Dibromofluoromethane
 Concen: 48.260 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051512.D
 Acq: 26 Sep 2018 3:22

Tgt Ion:113 Resp: 388894

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	123.8
192	21.9	18.0	27.0





#43

Isopropyl Acetate

Concen: 29.060 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051512.D

Acq: 26 Sep 2018 3:22

Instrument :

MSVOA_N

ClientSampleId :

PB113167ZHE#06

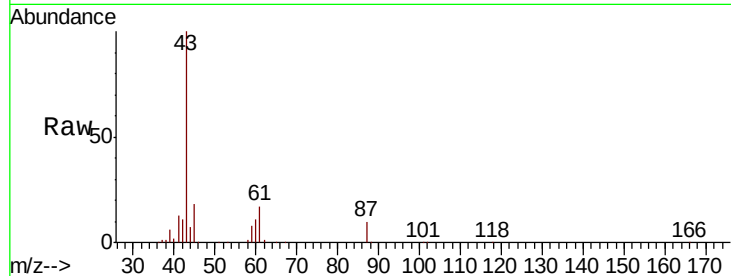
Tgt Ion: 43 Resp: 352583

Ion Ratio Lower Upper

43 100

61 15.1 16.8 25.2#

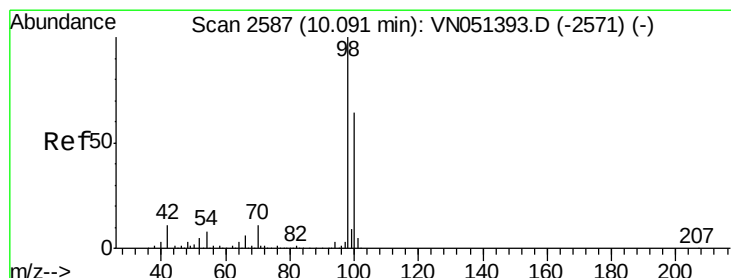
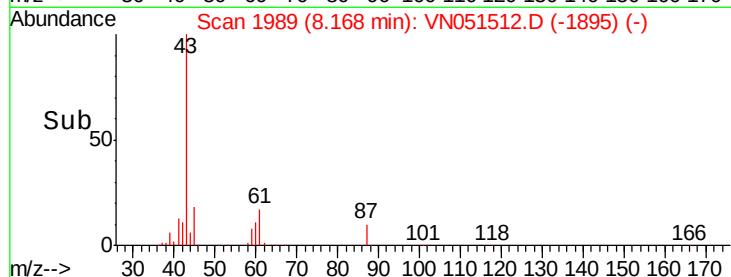
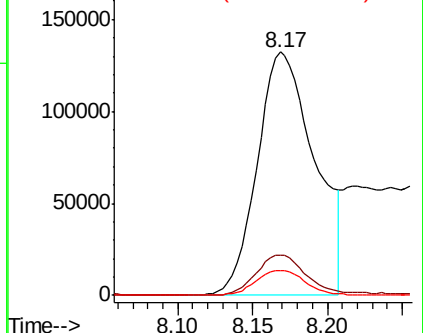
87 9.0 10.7 16.1#



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: 46.087 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051512.D

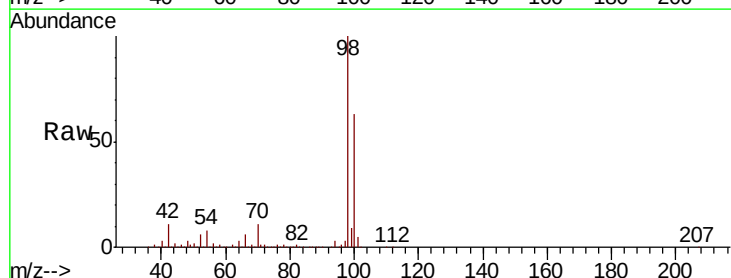
Acq: 26 Sep 2018 3:22

Tgt Ion: 98 Resp: 1398491

Ion Ratio Lower Upper

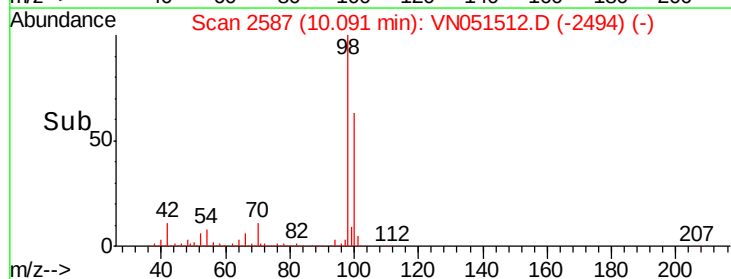
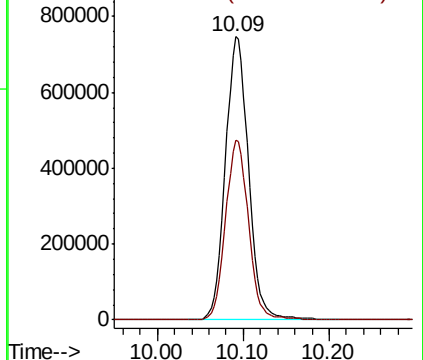
98 100

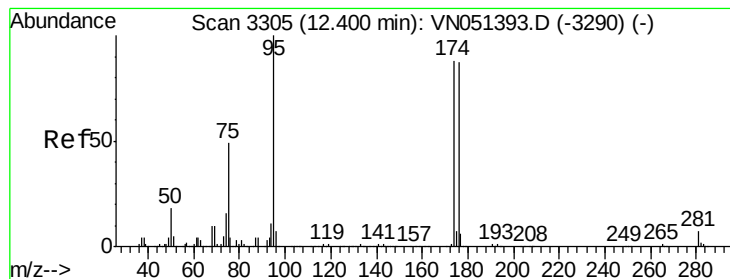
100 63.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 39.262 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051512.D

Acq: 26 Sep 2018 3:22

Instrument :

MSVOA_N

ClientSampleId :

PB113167ZHE#06

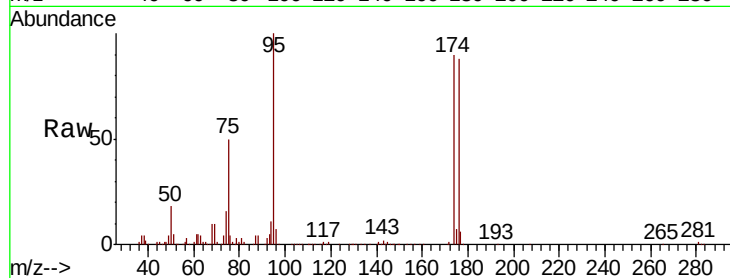
Tgt Ion: 95 Resp: 385412

Ion Ratio Lower Upper

95 100

174 90.5 0.0 181.6

176 87.6 0.0 176.4

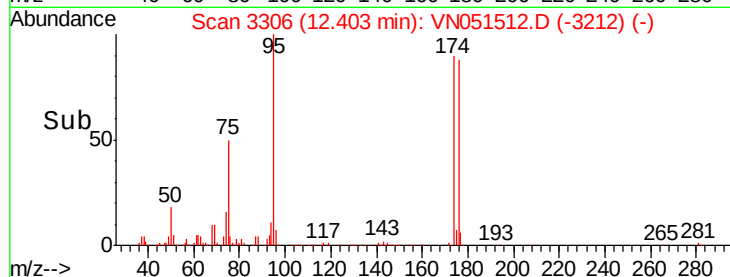


Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

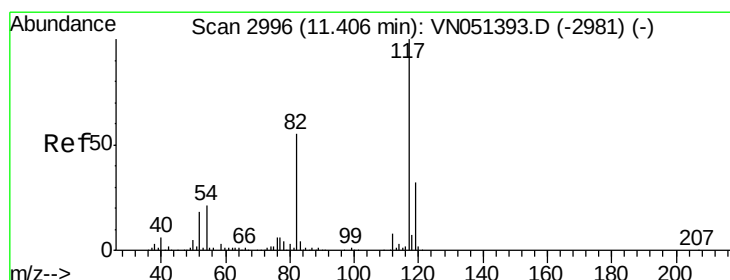
Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)

Time--> 12.30 12.40 12.50



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051512.D

Acq: 26 Sep 2018 3:22

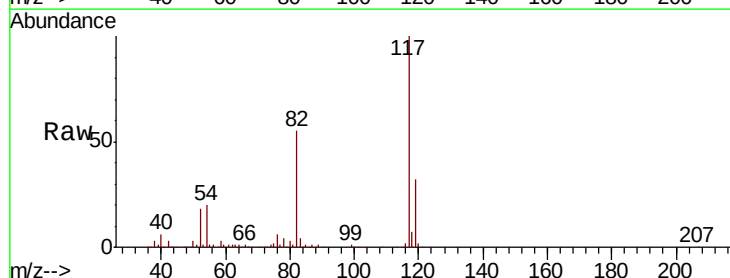
Tgt Ion: 117 Resp: 854026

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

119 32.3 25.9 38.9

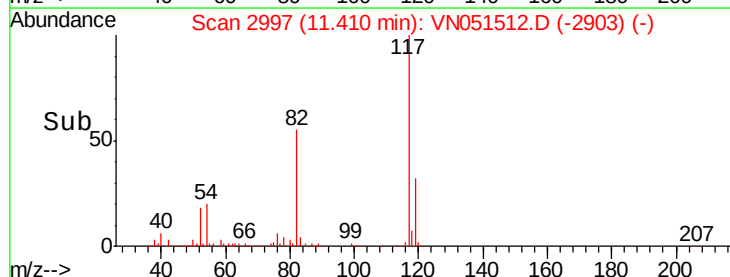


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

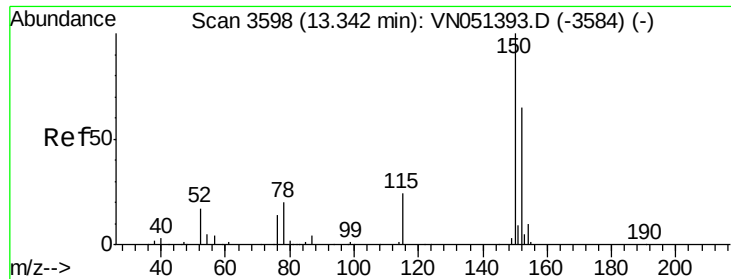
Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)

Time--> 11.30 11.40 11.50



Time--> 11.30 11.40 11.50



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051512.D

Acq: 26 Sep 2018 3:22

Instrument :

MSVOA_N

ClientSampleId :

PB113167ZHE#06

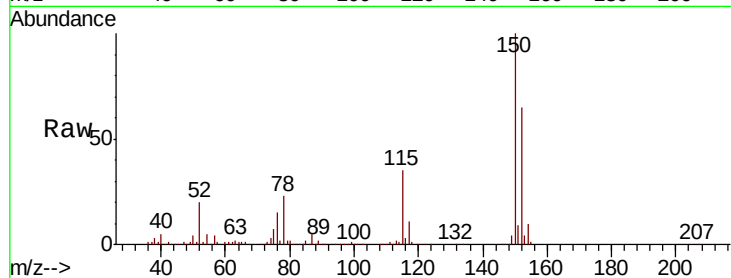
Tgt Ion:152 Resp: 320523

Ion Ratio Lower Upper

152 100

115 55.7 28.3 84.9

150 155.9 0.0 353.6



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

