

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051423.D
 Acq On : 23 Sep 2018 19:17
 Operator : MD\SY
 Sample : J5023-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-PIT-3

Quant Time: Sep 24 07:54:05 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	644444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	989958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	837408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	330164	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	440071	54.51	ug/l	0.00
Spiked Amount	50.000			Recovery	=	109.02%	
35) Dibromofluoromethane		7.59	113	385794	48.73	ug/l	0.00
Spiked Amount	50.000			Recovery	=	97.46%	
50) Toluene-d8		10.09	98	1372284	46.03	ug/l	0.00
Spiked Amount	50.000			Recovery	=	92.06%	
62) 4-Bromofluorobenzene		12.40	95	384320	39.85	ug/l	0.00
Spiked Amount	50.000			Recovery	=	79.70%	

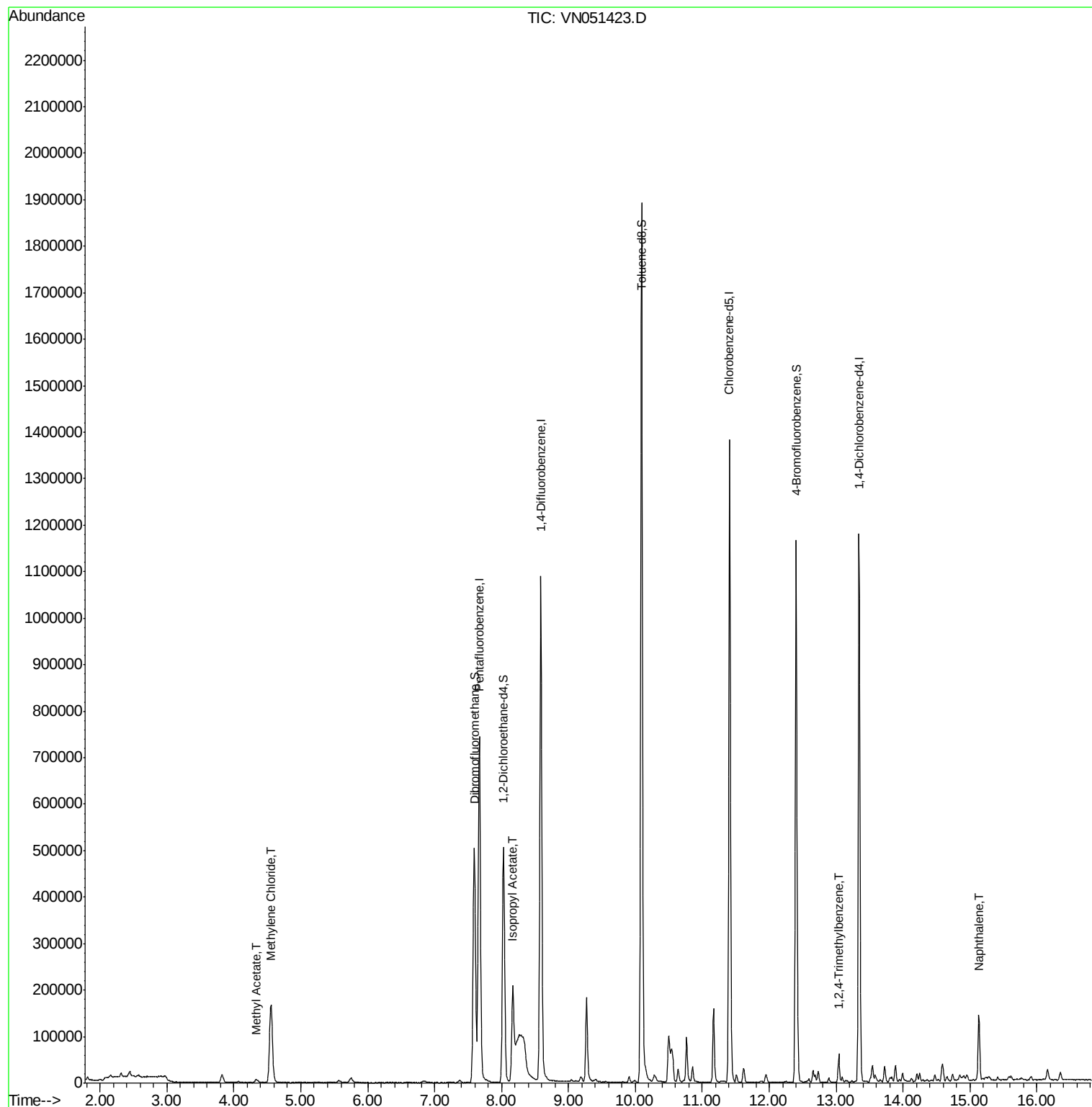
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.33	43	13768	2.239	ug/l #	85
20) Methylene Chloride	4.55	84	127353	15.942	ug/l	99
43) Isopropyl Acetate	8.17	43	274347	23.018	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	32215	1.407	ug/l	99
95) Naphthalene	15.13	128	122966	16.450	ug/l	97

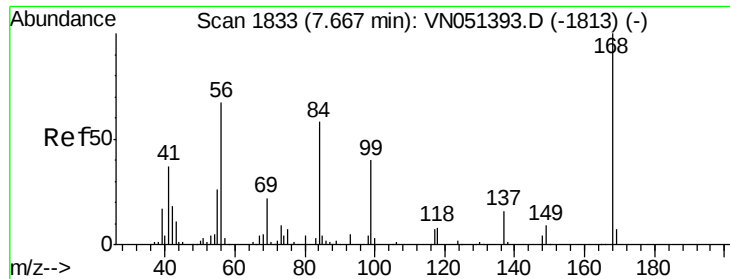
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051423.D

Acq: 23 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

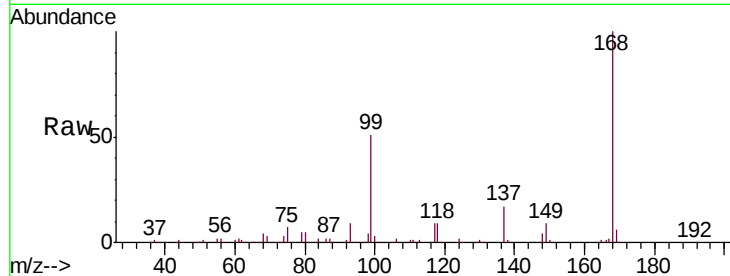
NB-PIT-3

Tgt Ion:168 Resp: 644444

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

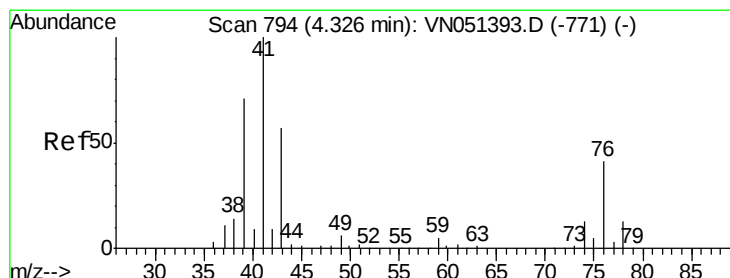
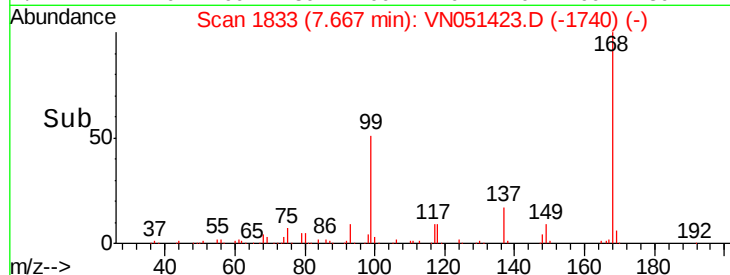
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 2.239 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051423.D

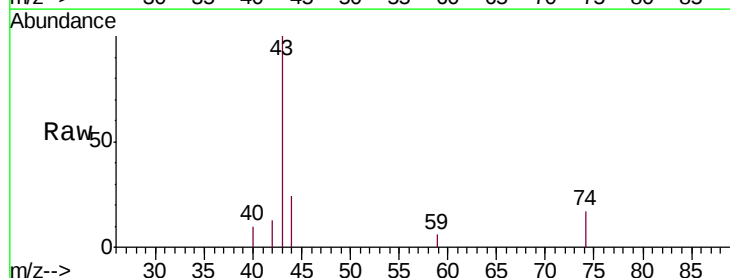
Acq: 23 Sep 2018 19:17

Tgt Ion: 43 Resp: 13768

Ion Ratio Lower Upper

43 100

74 16.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051393.D (-771) (-)

4.33

5000

4000

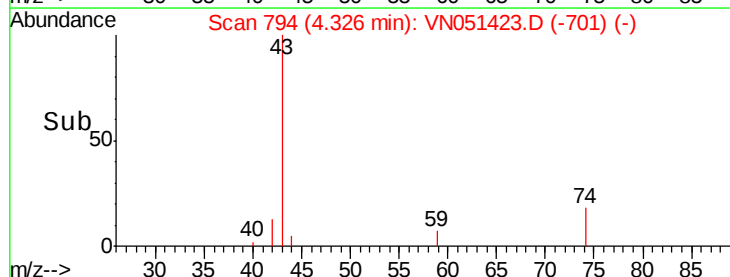
3000

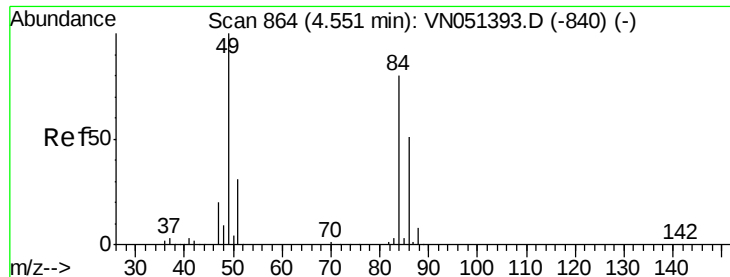
2000

1000

0

Time-->

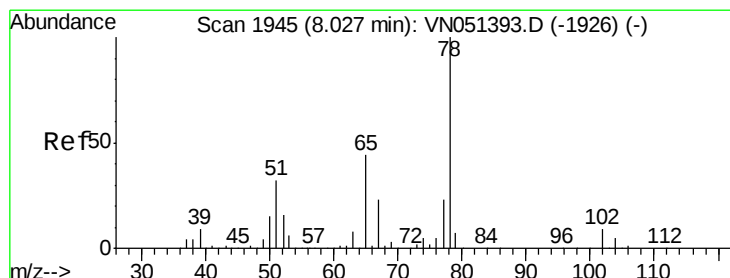
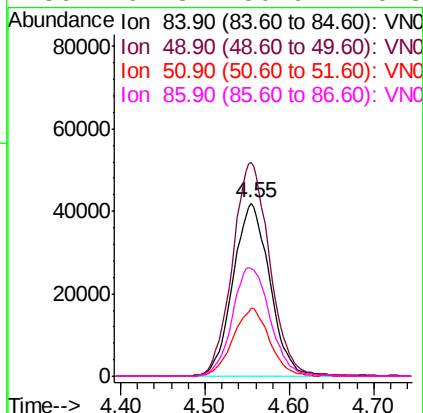
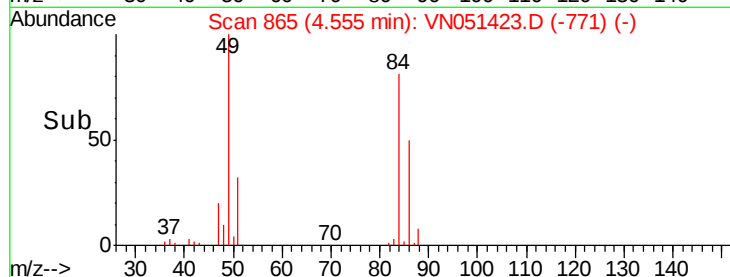
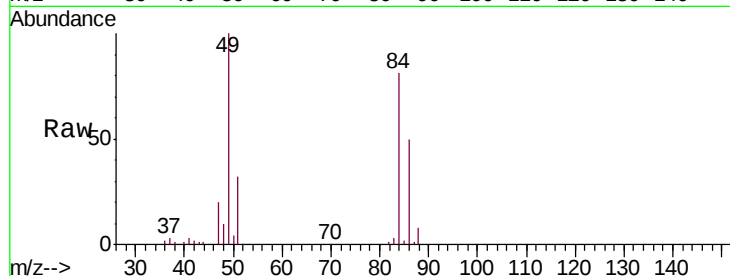




#20
Methylene Chloride
Concen: 15.942 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051423.D
Acq: 23 Sep 2018 19:17

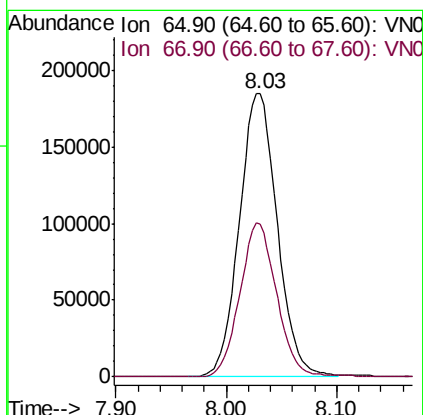
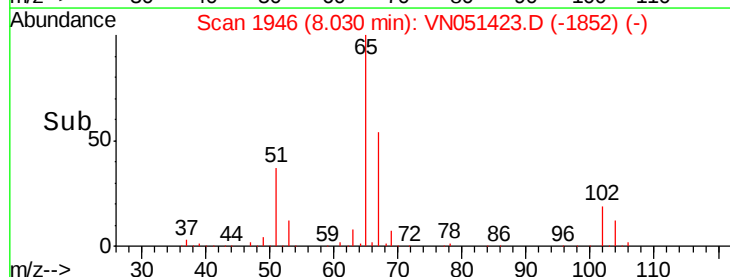
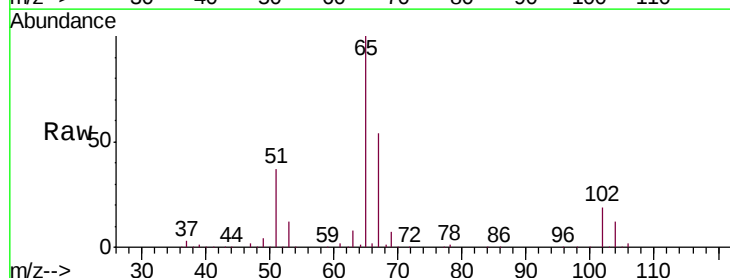
Instrument :
MSVOA_N
ClientSampleId :
NB-PIT-3

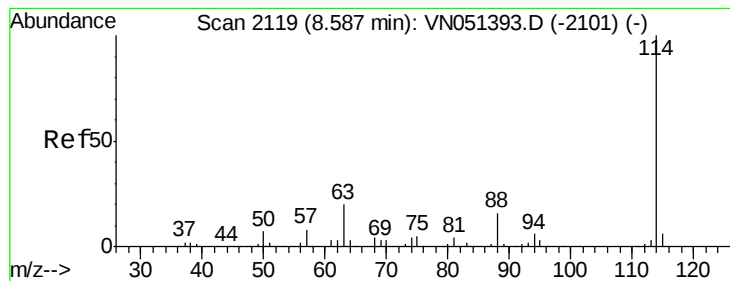
Tgt Ion: 84 Resp: 127353
Ion Ratio Lower Upper
84 100
49 123.5 99.9 149.9
51 39.0 31.4 47.2
86 62.3 50.9 76.3



#33
1,2-Dichloroethane-d4
Concen: 54.513 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051423.D
Acq: 23 Sep 2018 19:17

Tgt Ion: 65 Resp: 440071
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051423.D

Acq: 23 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

NB-PIT-3

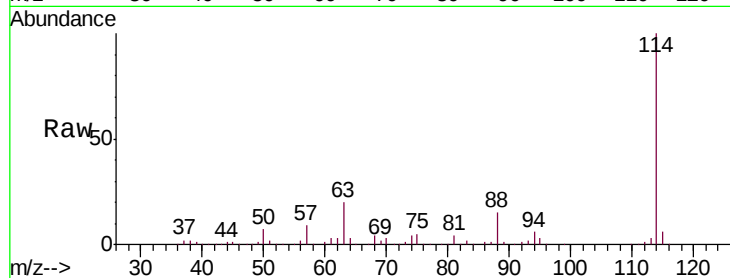
Tgt Ion:114 Resp: 989958

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.3 0.0 31.4



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

600000

500000

400000

300000

200000

100000

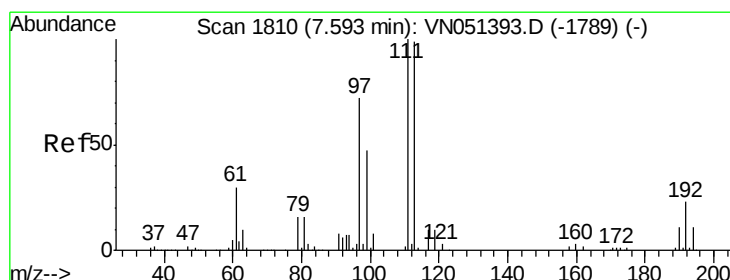
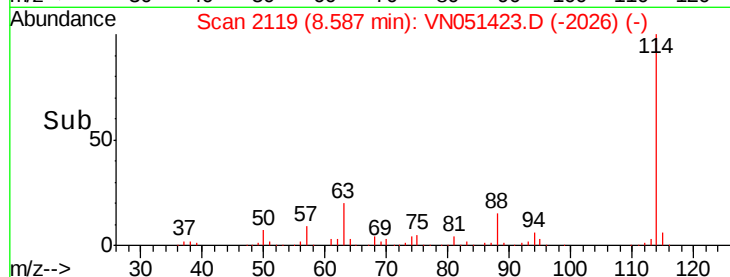
0

8.50

8.60

8.70

Time-->



#35

Dibromofluoromethane

Concen: 48.734 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051423.D

Acq: 23 Sep 2018 19:17

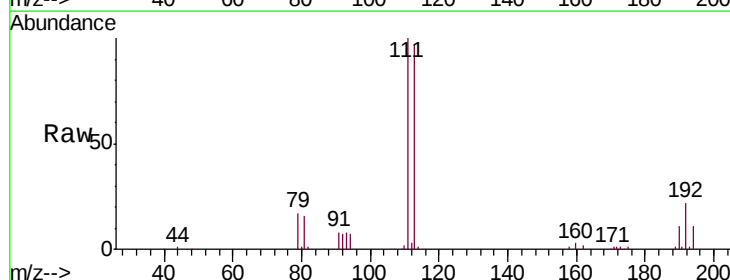
Tgt Ion:113 Resp: 385794

Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 22.3 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

200000

150000

100000

50000

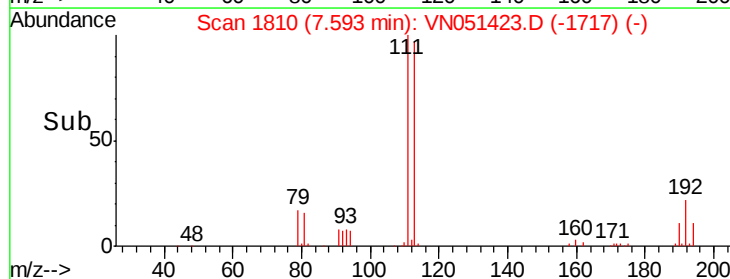
0

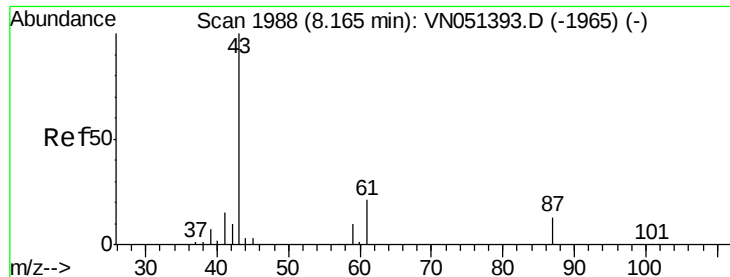
7.50

7.60

7.70

Time-->





#43

Isopropyl Acetate

Concen: 23.018 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051423.D

Acq: 23 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampled :

NB-PIT-3

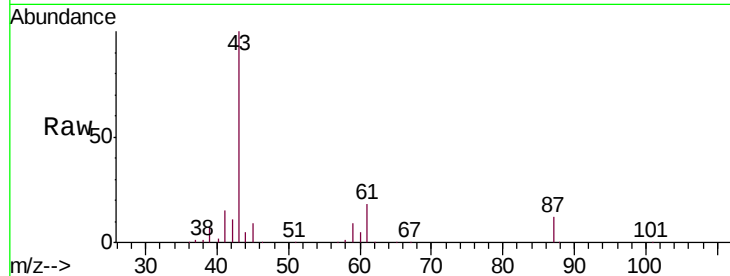
Tgt Ion: 43 Resp: 274347

Ion Ratio Lower Upper

43 100

61 17.1 16.8 25.2

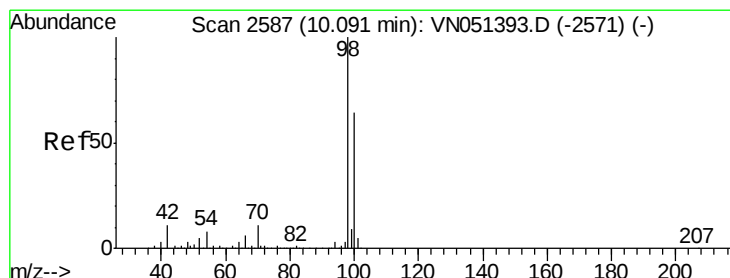
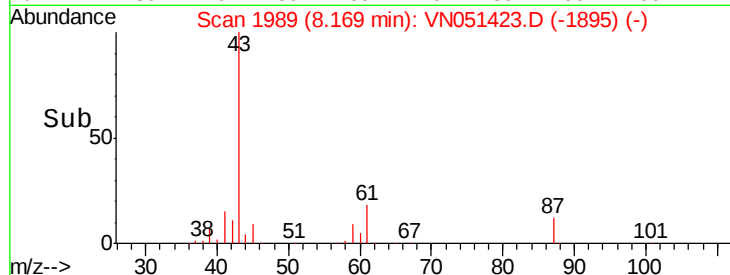
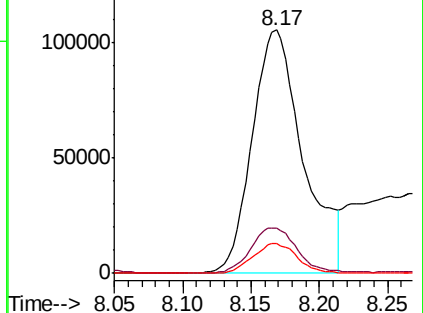
87 10.8 10.7 16.1



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: 46.035 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051423.D

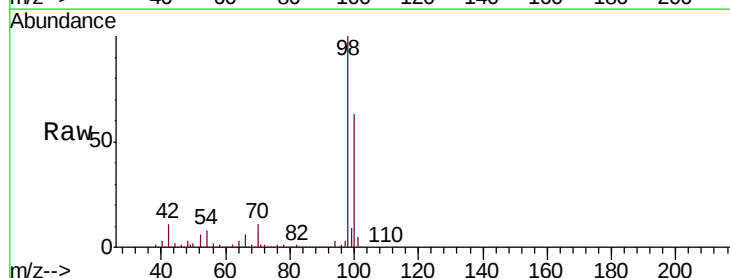
Acq: 23 Sep 2018 19:17

Tgt Ion: 98 Resp: 1372284

Ion Ratio Lower Upper

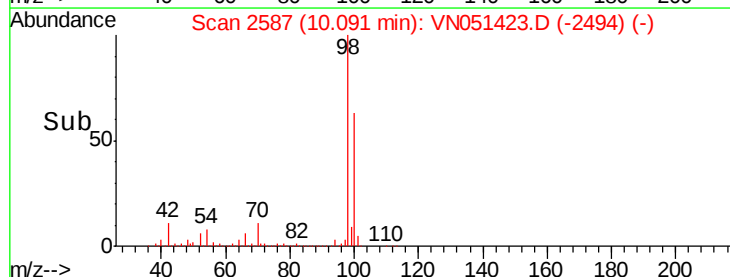
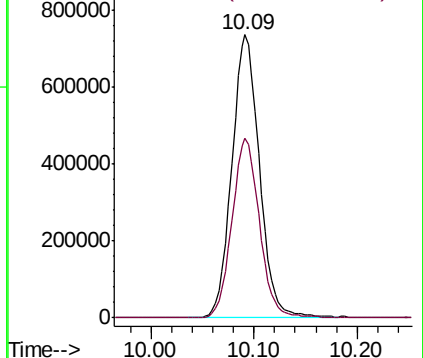
98 100

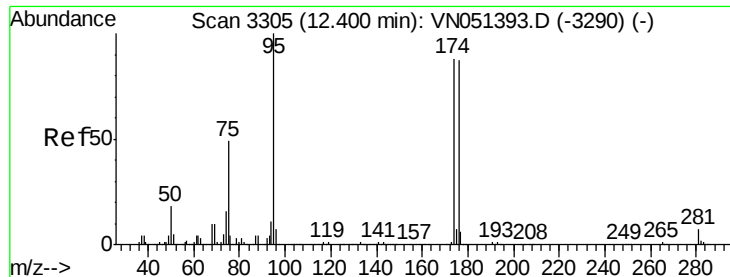
100 63.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 39.853 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051423.D

Acq: 23 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

NB-PIT-3

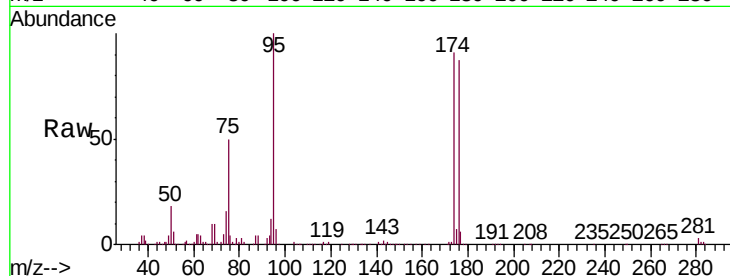
Tgt Ion: 95 Resp: 384320

Ion Ratio Lower Upper

95 100

174 91.6 0.0 181.6

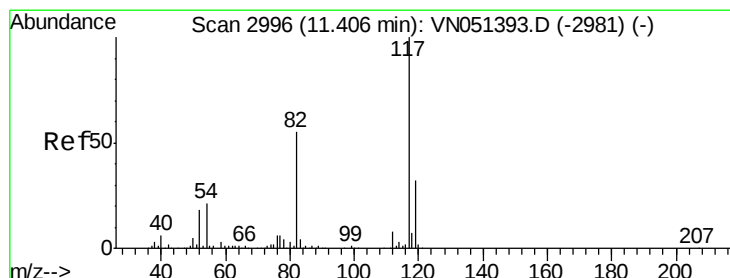
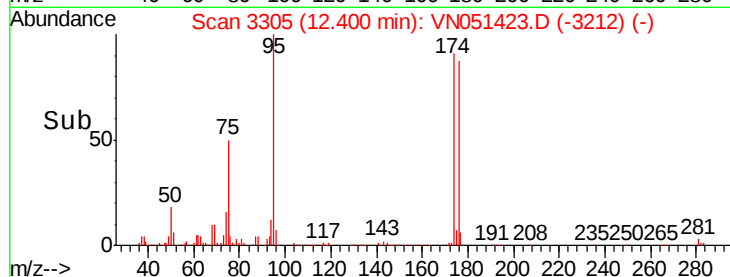
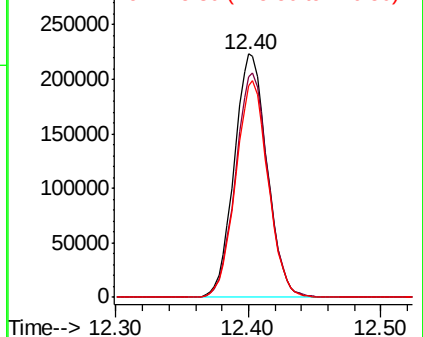
176 87.3 0.0 176.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051423.D

Acq: 23 Sep 2018 19:17

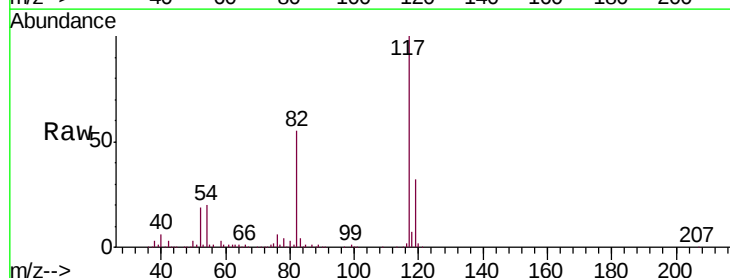
Tgt Ion: 117 Resp: 837408

Ion Ratio Lower Upper

117 100

82 55.4 44.2 66.2

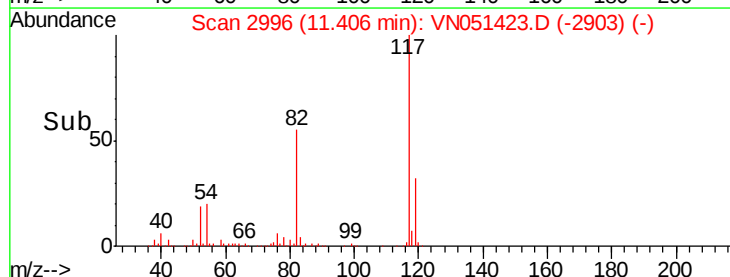
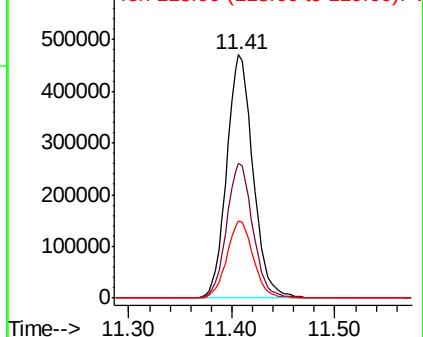
119 32.0 25.9 38.9

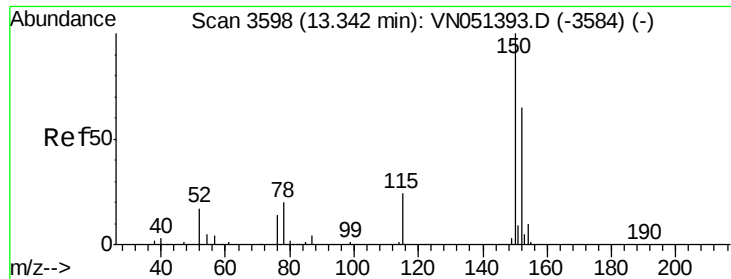


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051423.D

Acq: 23 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

NB-PIT-3

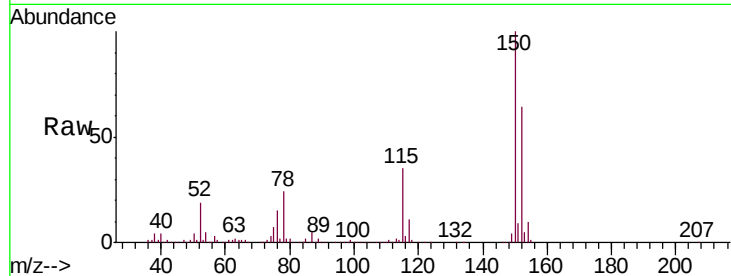
Tgt Ion:152 Resp: 330164

Ion Ratio Lower Upper

152 100

115 56.2 28.3 84.9

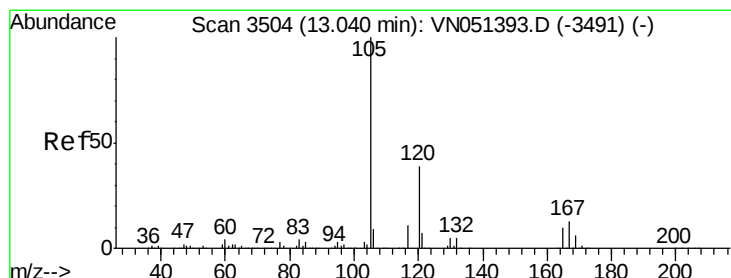
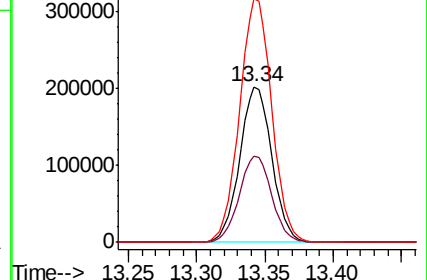
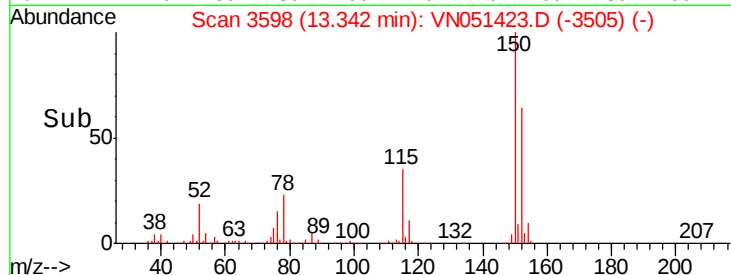
150 157.0 0.0 353.6



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



#84

1,2,4-Trimethylbenzene

Concen: 1.407 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051423.D

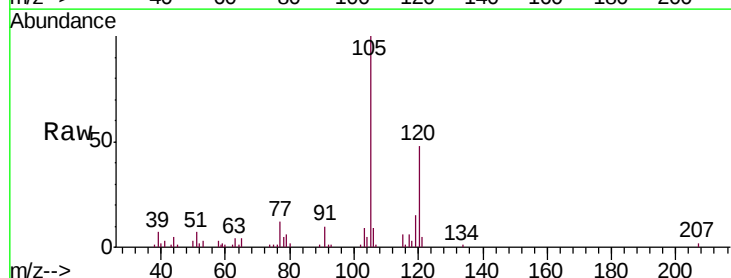
Acq: 23 Sep 2018 19:17

Tgt Ion:105 Resp: 32215

Ion Ratio Lower Upper

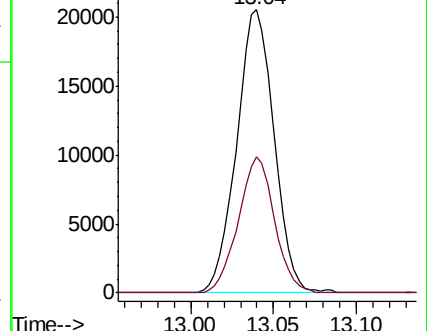
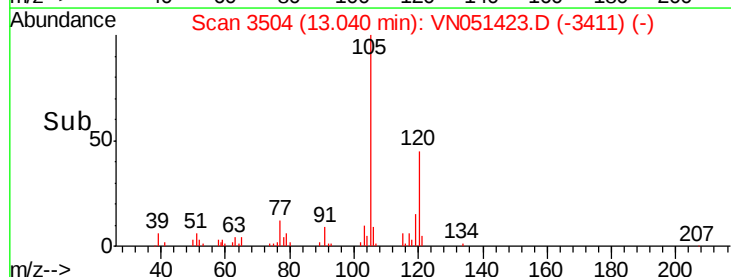
105 100

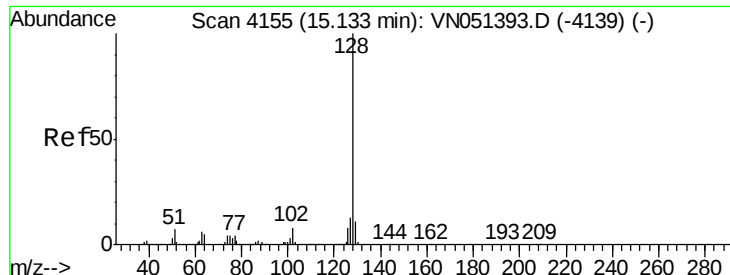
120 46.3 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 16.450 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051423.D

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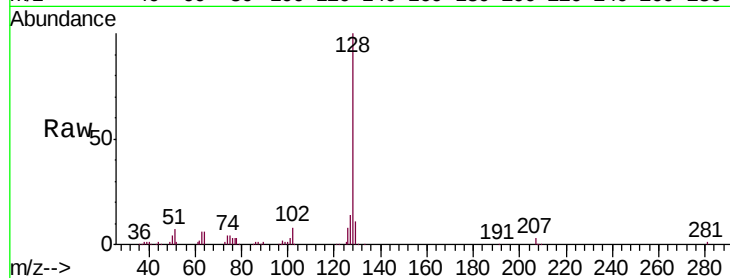
Tgt Ion:128 Resp: 122966

Ion Ratio Lower Upper

128 100

127 14.6 10.5 15.7

129 11.2 8.6 12.8



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

