

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051302.D
 Acq On : 18 Sep 2018 17:04
 Operator : MD\SY
 Sample : J4646-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RB12983RT

Quant Time: Sep 19 01:46:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	420420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	646697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	155851	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	231659	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	7.59	113	240894	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	10.09	98	825689	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	
62) 4-Bromofluorobenzene	12.40	95	211061	35.72	ug/l	0.00
Spiked Amount			Recovery	=	71.44%	

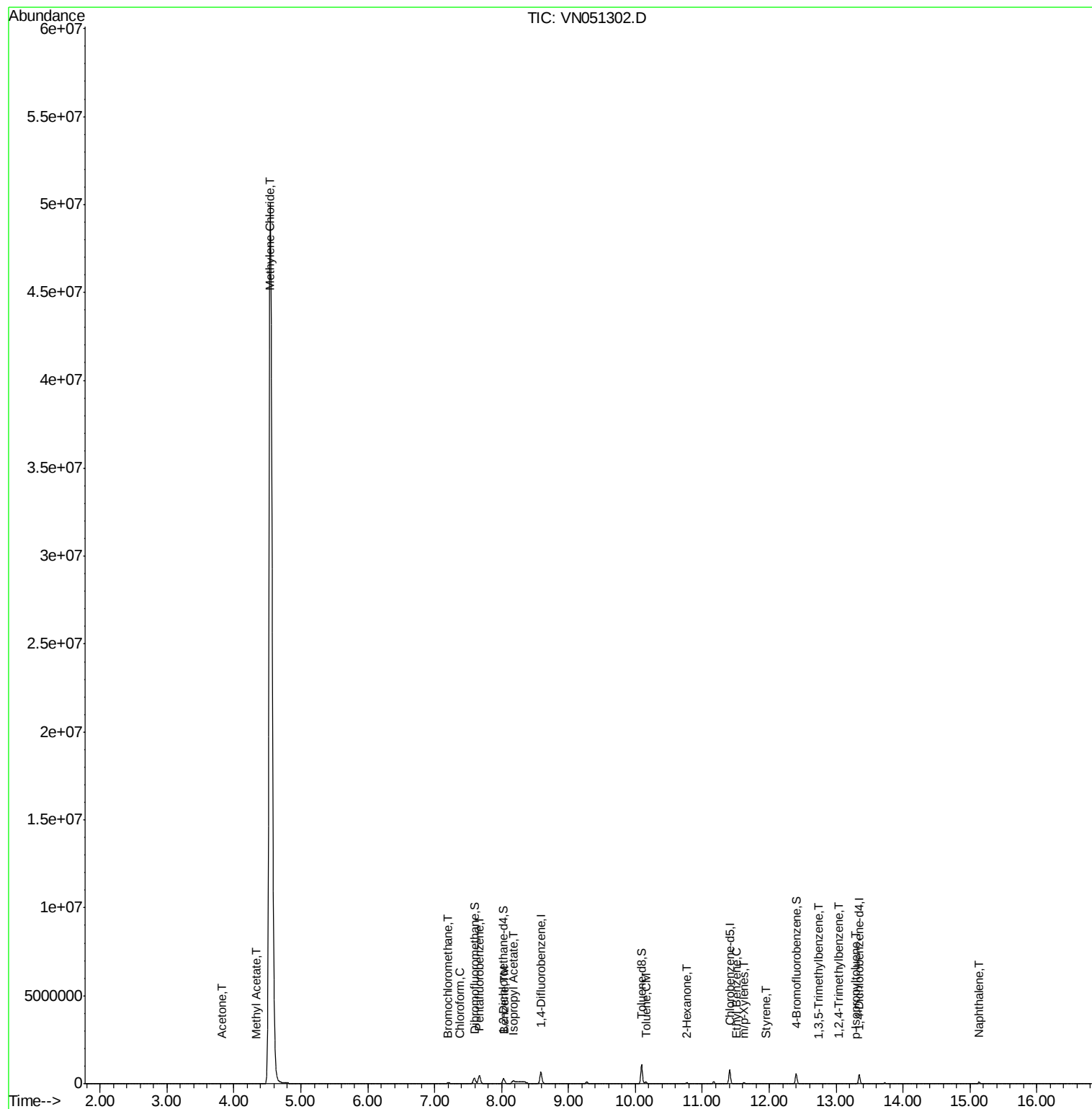
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	37092	28.134	ug/l	98
18) Methyl Acetate	4.34	43	9356	2.302	ug/l	99
20) Methylene Chloride	4.53	84	36525363m	7303.799	ug/l	
28) Bromochloromethane	7.20	49	25838	7.209	ug/l	96
30) Chloroform	7.37	83	18467	2.222	ug/l	99
40) Benzene	8.04	78	27686	1.329	ug/l	99
43) Isopropyl Acetate	8.17	43	234902	37.723	ug/l #	89
52) Toluene	10.16	92	34381	2.757	ug/l	97
59) 2-Hexanone	10.77	43	8136	3.846	ug/l	61
67) Ethyl Benzene	11.51	91	10164	0.501	ug/l	100
68) m/p-Xylenes	11.62	106	13911	1.763	ug/l	98
70) Styrene	11.97	104	4085	1.543	ug/l	87
80) 1,3,5-Trimethylbenzene	12.73	105	4399	0.419	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	9510	0.932	ug/l	99
86) p-Isopropyltoluene	13.29	119	5337	0.540	ug/l	98
95) Naphthalene	15.13	128	75434	19.557	ug/l	98

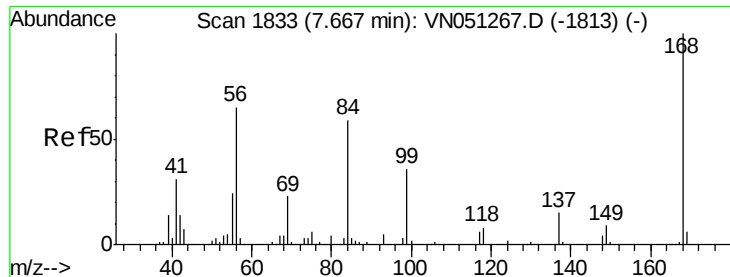
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051302.D

Acq: 18 Sep 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

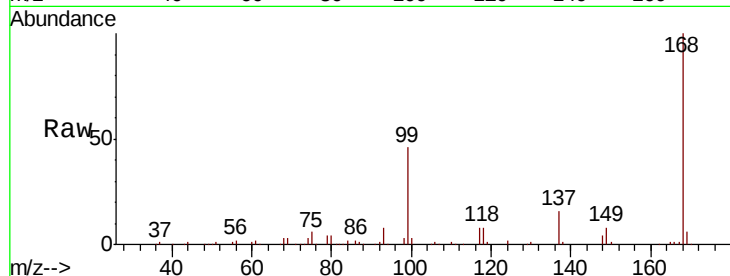
RB12983RT

Tgt Ion:168 Resp: 420420

Ion Ratio Lower Upper

168 100

99 45.5 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): VN051267.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1813) (-)

7.67

200000

150000

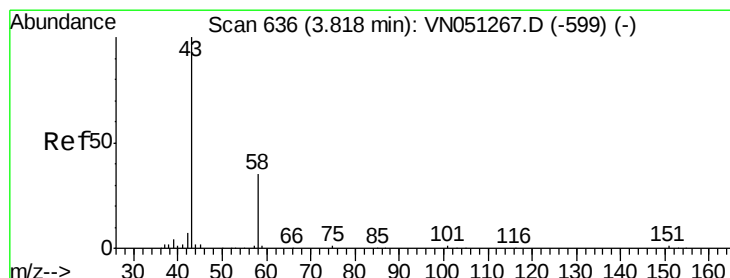
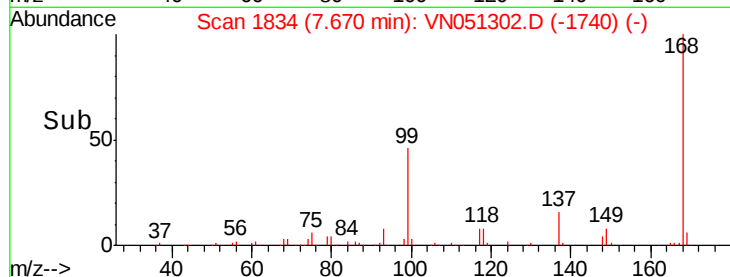
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 28.134 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051302.D

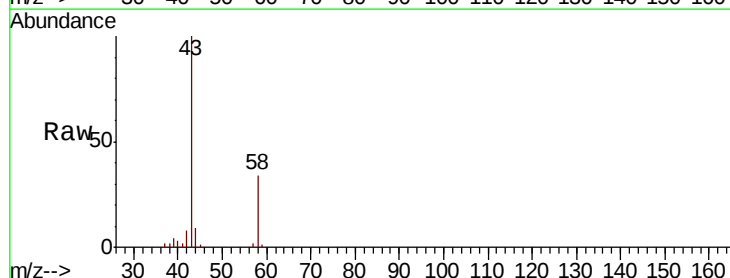
Acq: 18 Sep 2018 17:04

Tgt Ion: 43 Resp: 37092

Ion Ratio Lower Upper

43 100

58 34.0 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-599) (-)

3.82

15000

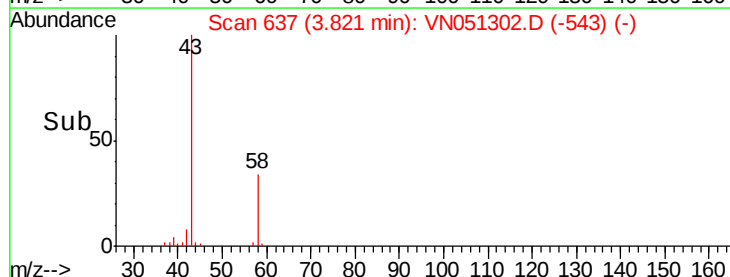
10000

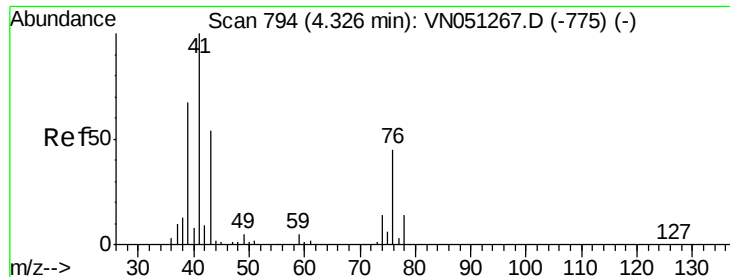
5000

0

3.70 3.80 3.90

Time-->

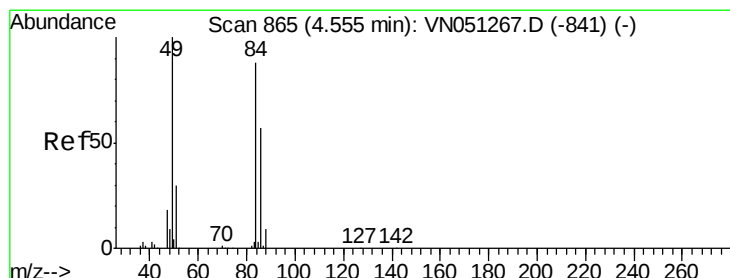
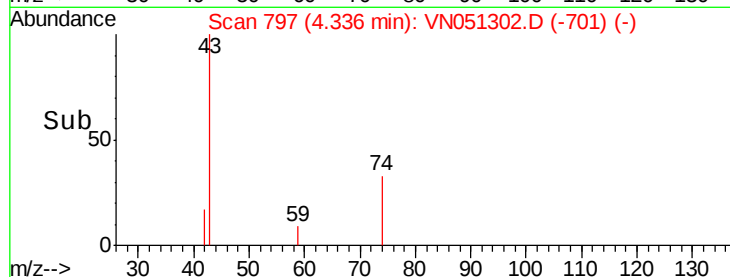
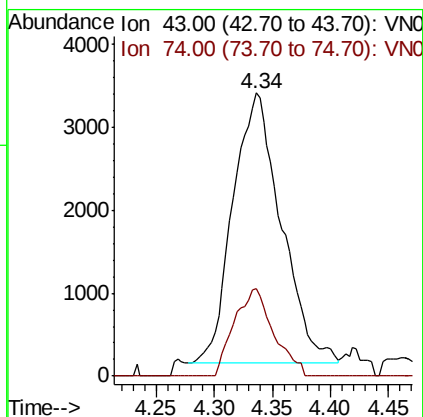
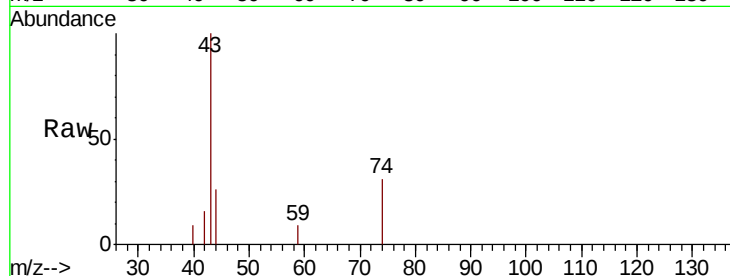




#18
Methyl Acetate
Concen: 2.302 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

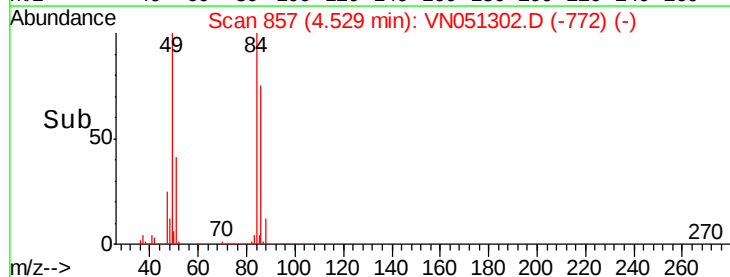
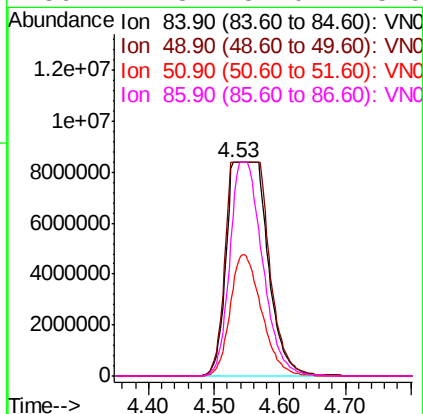
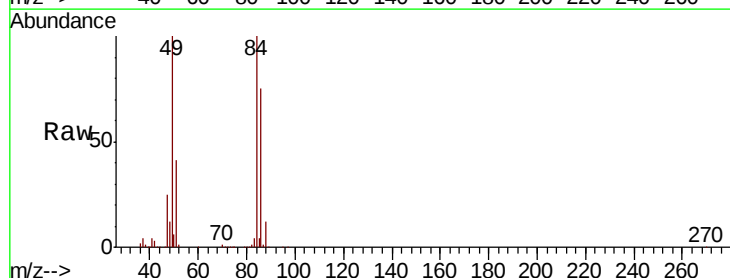
Instrument :
MSVOA_N
ClientSampleId :
RB12983RT

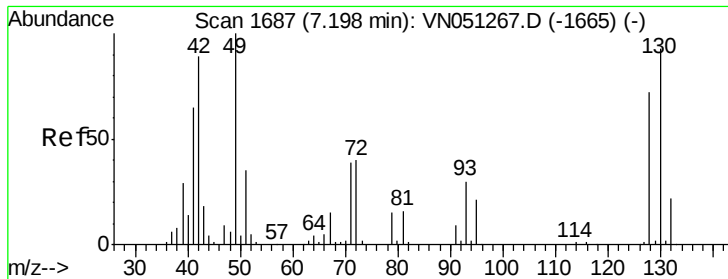
Tgt Ion: 43 Resp: 9356
Ion Ratio Lower Upper
43 100
74 26.5 20.8 31.2



#20
Methylene Chloride
Concen: 7303.799 ug/l m
RT: 4.53 min Scan# 857
Delta R.T. -0.03 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

Tgt Ion: 84 Resp: 36525363
Ion Ratio Lower Upper
84 100
49 100.0 91.2 136.8
51 41.1 27.7 41.5
86 74.8 52.0 78.0





#28

Bromochloromethane

Concen: 7.209 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN051302.D

Acq: 18 Sep 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

RB12983RT

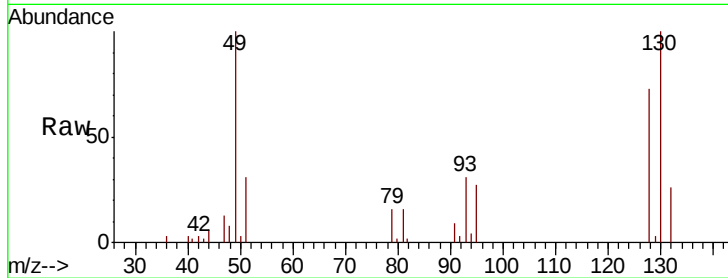
Tgt Ion: 49 Resp: 25838

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.6

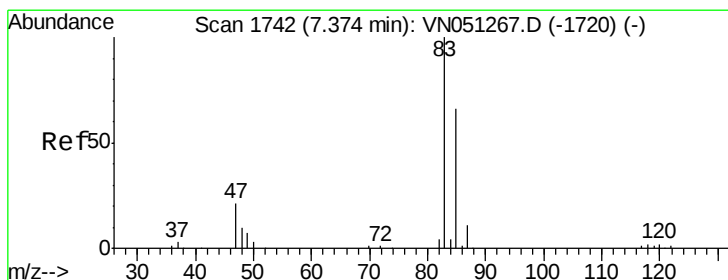
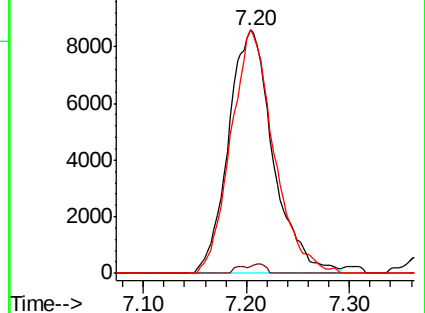
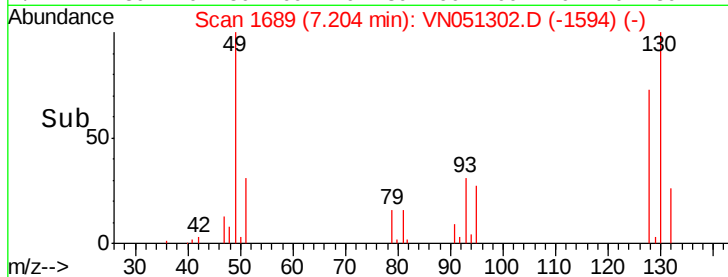
130 96.1 73.7 110.5



Abundance Ion 48.90 (48.60 to 49.60): VN051302.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN051302.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN051302.D (-1594) (-)



#30

Chloroform

Concen: 2.222 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051302.D

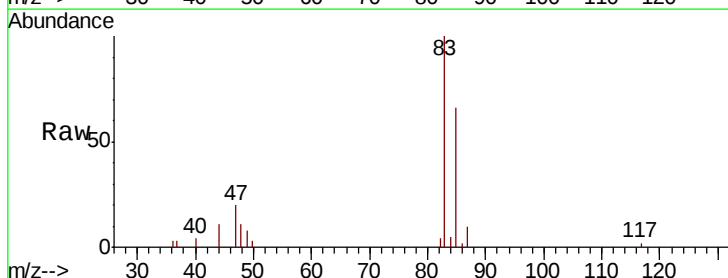
Acq: 18 Sep 2018 17:04

Tgt Ion: 83 Resp: 18467

Ion Ratio Lower Upper

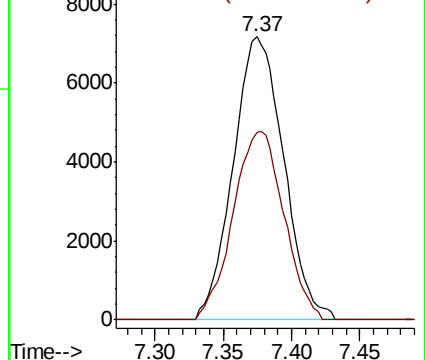
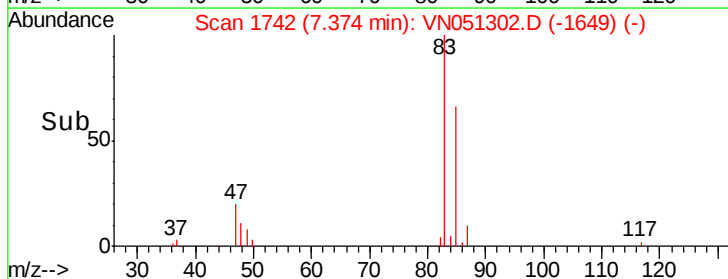
83 100

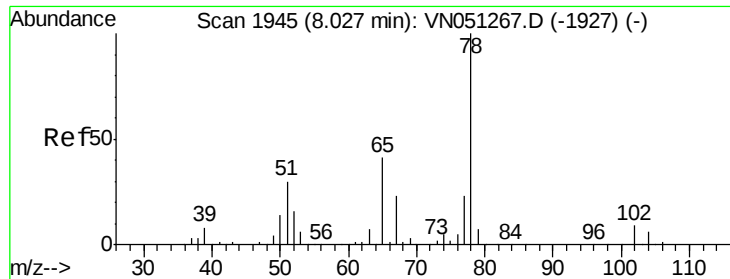
85 66.1 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN051302.D (-1649) (-)

Ion 84.90 (84.60 to 85.60): VN051302.D (-1649) (-)

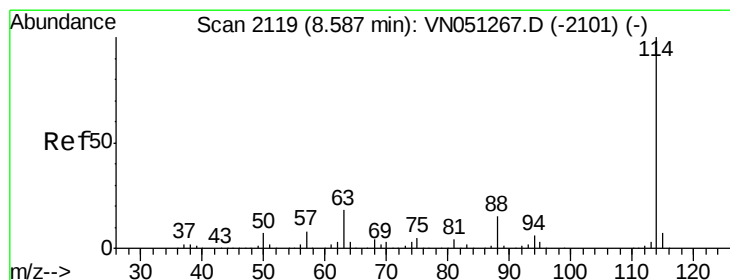
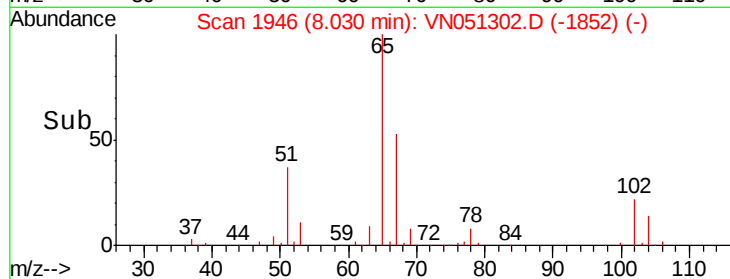
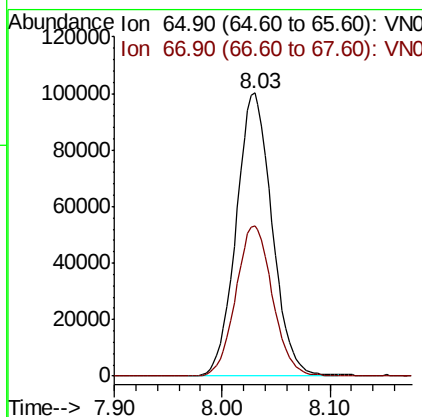
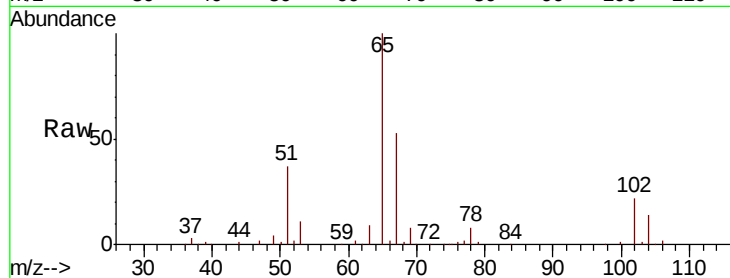




#33
 1,2-Dichloroethane-d4
 Concen: 50.701 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051302.D
 Acq: 18 Sep 2018 17:04

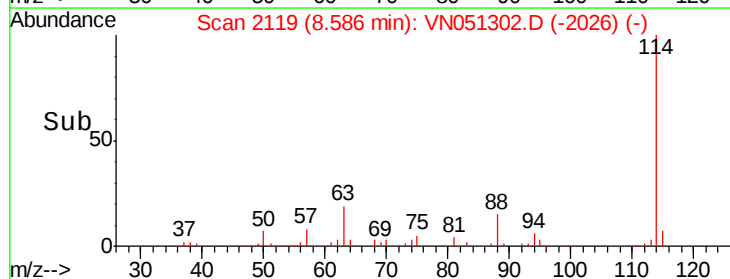
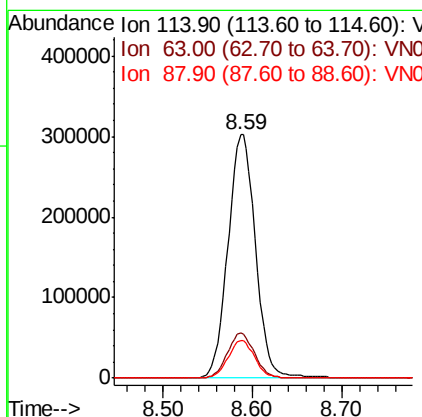
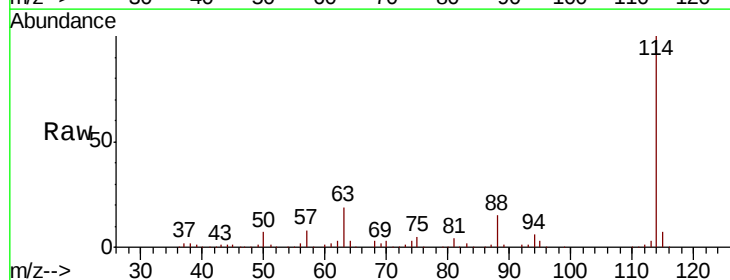
Instrument :
 MSVOA_N
 ClientSampled :
 RB12983RT

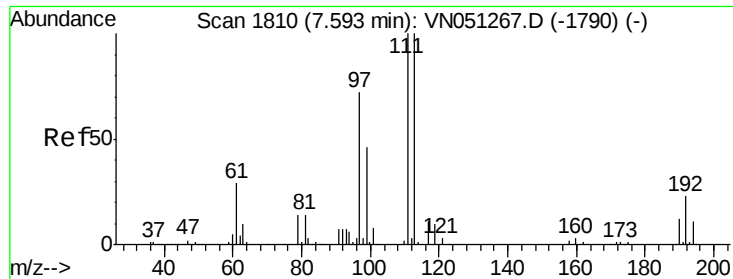
Tgt Ion: 65 Resp: 231659
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051302.D
 Acq: 18 Sep 2018 17:04

Tgt Ion: 114 Resp: 646697
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.8
 88 15.4 0.0 30.8

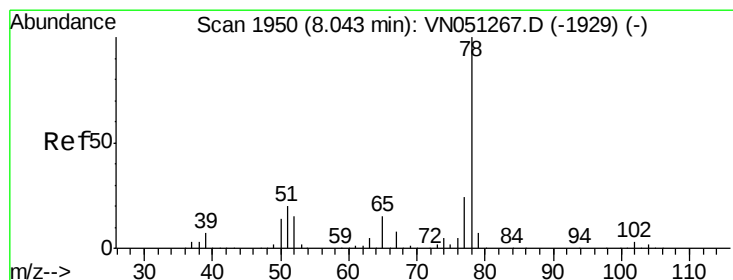
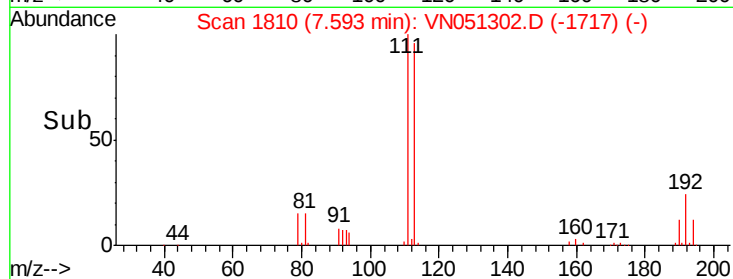
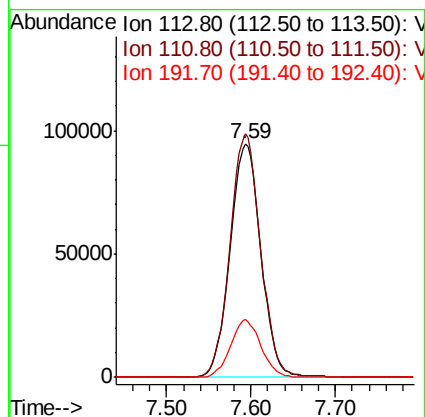
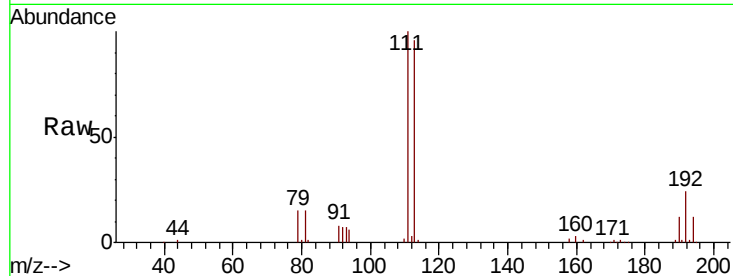




#35
 Dibromofluoromethane
 Concen: 47.935 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051302.D
 Acq: 18 Sep 2018 17:04

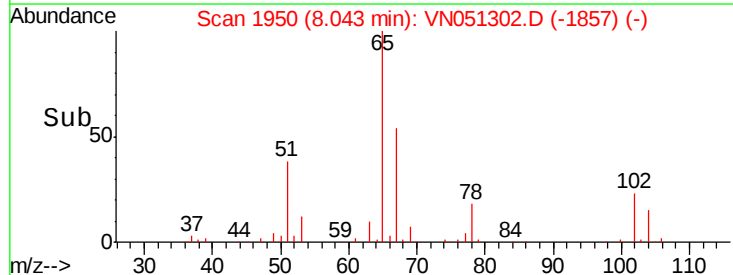
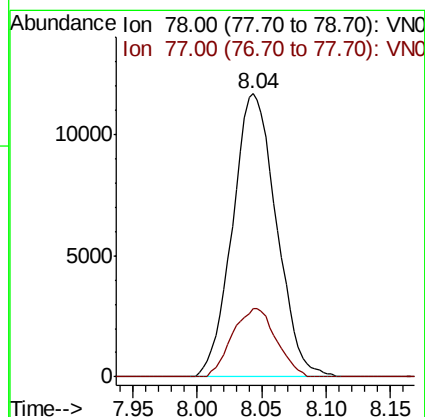
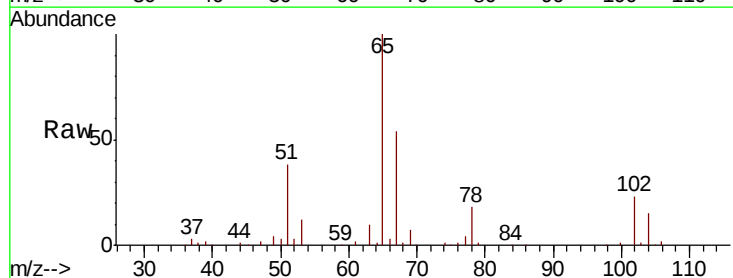
Instrument :
 MSVOA_N
 ClientSampled :
 RB12983RT

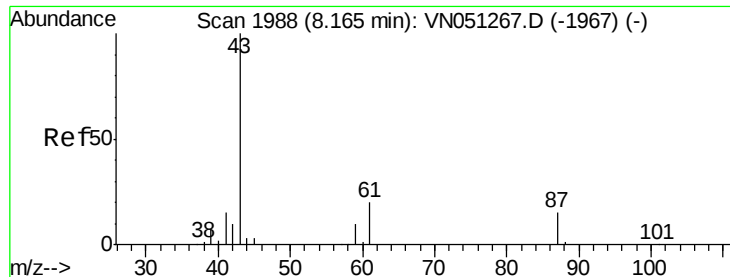
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	24.2	19.0	28.6



#40
 Benzene
 Concen: 1.329 ug/l
 RT: 8.04 min Scan# 1950
 Delta R.T. -0.00 min
 Lab File: VN051302.D
 Acq: 18 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#43

Isopropyl Acetate

Concen: 37.723 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051302.D

Acq: 18 Sep 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

RB12983RT

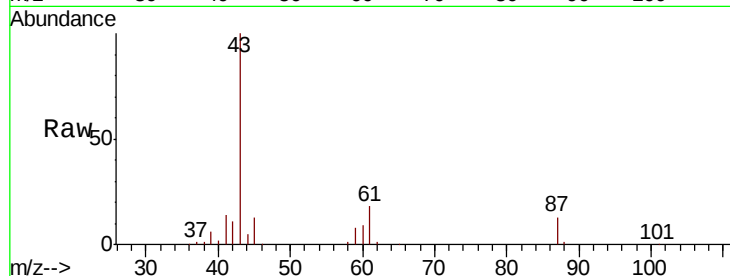
Tgt Ion: 43 Resp: 234902

Ion Ratio Lower Upper

43 100

61 16.3 17.4 26.2#

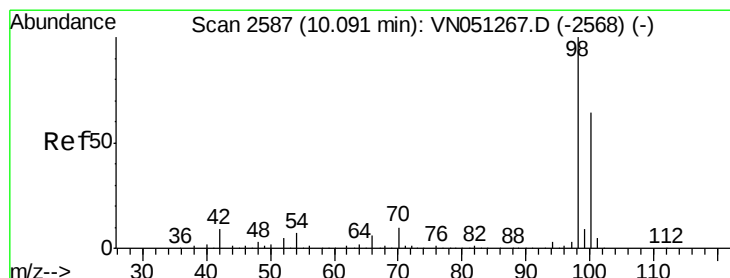
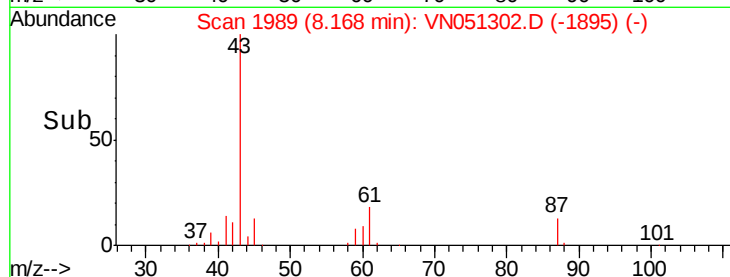
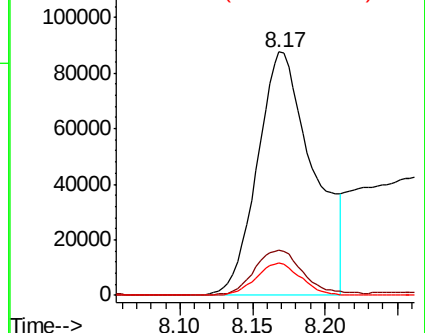
87 10.6 12.2 18.4#



Abundance Ion 43.00 (42.70 to 43.70): VN051302.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051302.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051302.D (-1967) (-)



#50

Toluene-d8

Concen: 44.451 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051302.D

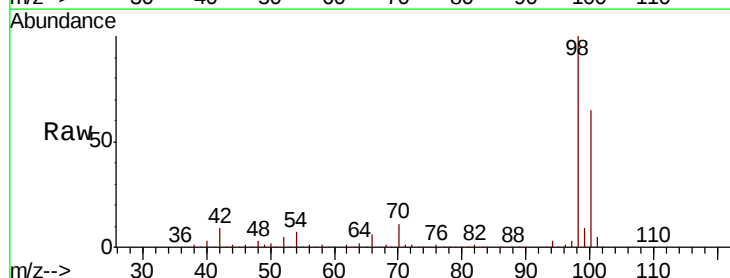
Acq: 18 Sep 2018 17:04

Tgt Ion: 98 Resp: 825689

Ion Ratio Lower Upper

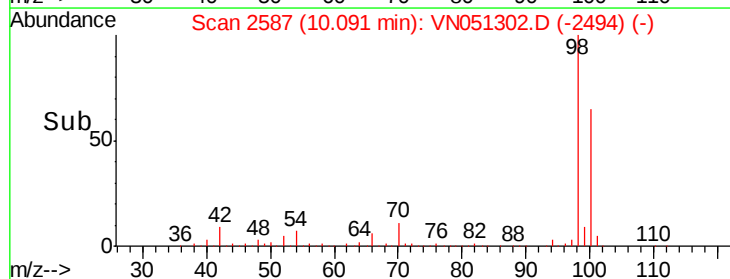
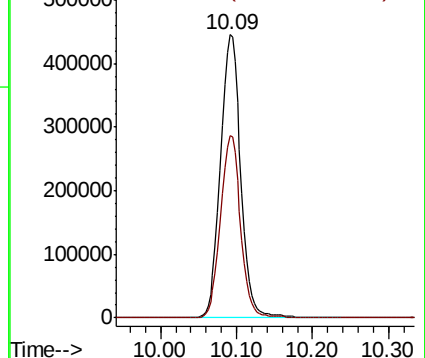
98 100

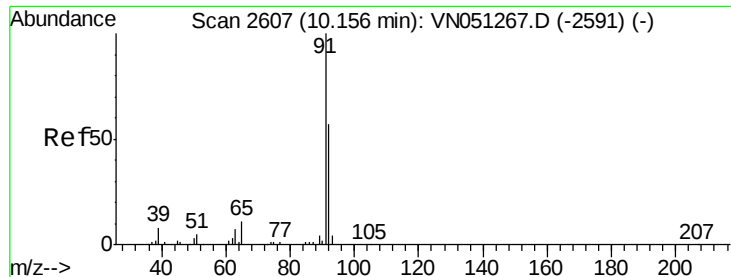
100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN051302.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051302.D (-2494) (-)





#52

Toluene

Concen: 2.757 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051302.D

Acq: 18 Sep 2018 17:04

Instrument :

MSVOA_N

ClientSampled :

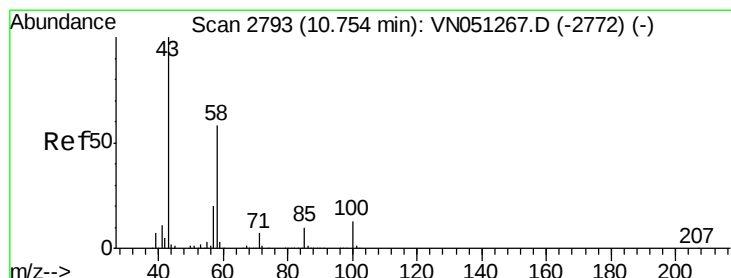
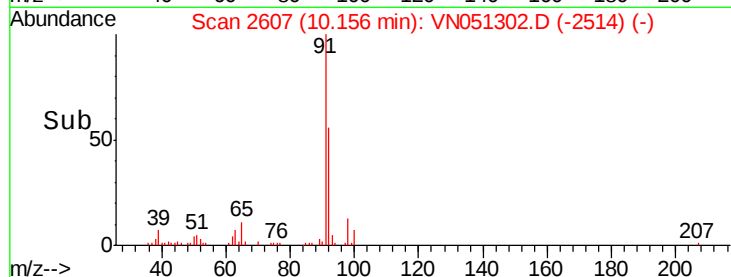
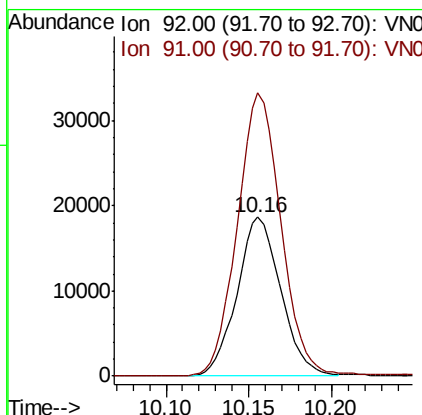
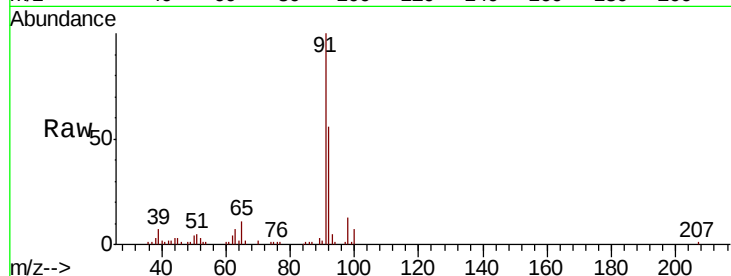
RB12983RT

Tgt Ion: 92 Resp: 34381

Ion Ratio Lower Upper

92 100

91 177.8 139.2 208.8



#59

2-Hexanone

Concen: 3.846 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN051302.D

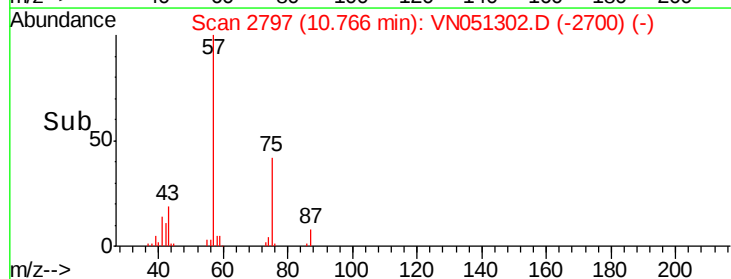
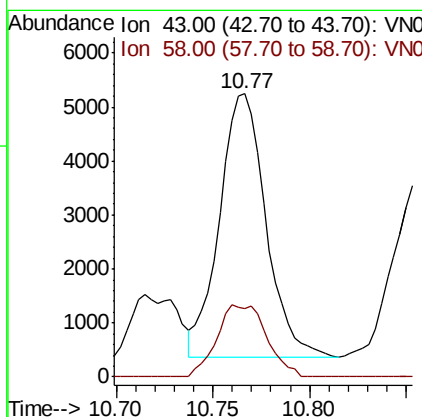
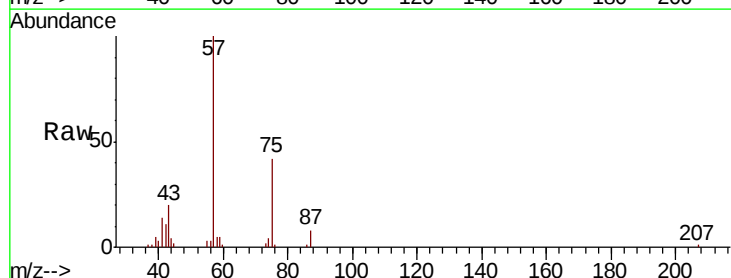
Acq: 18 Sep 2018 17:04

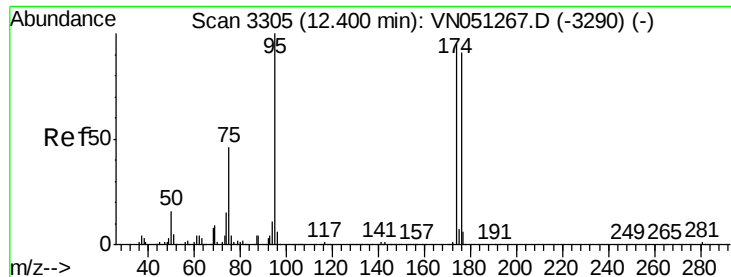
Tgt Ion: 43 Resp: 8136

Ion Ratio Lower Upper

43 100

58 29.3 28.9 86.8

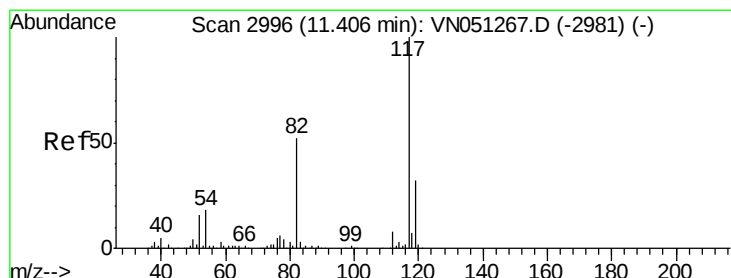
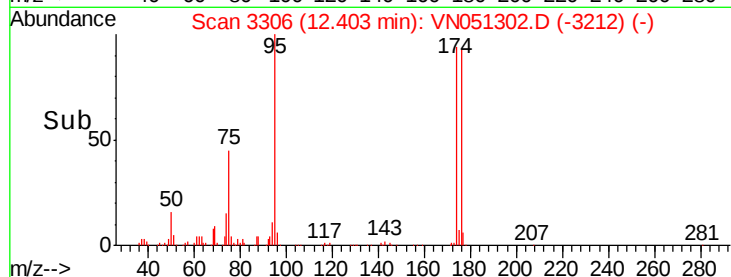
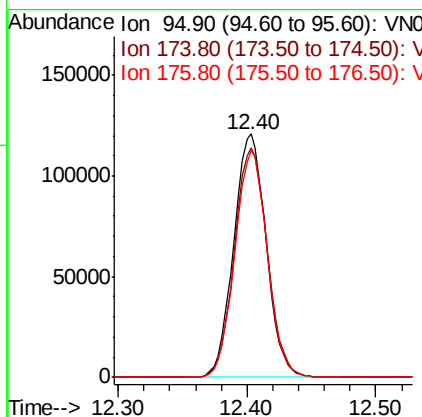
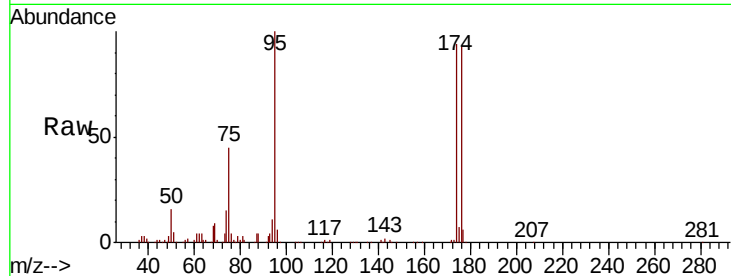




#62
4-Bromofluorobenzene
Concen: 35.723 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

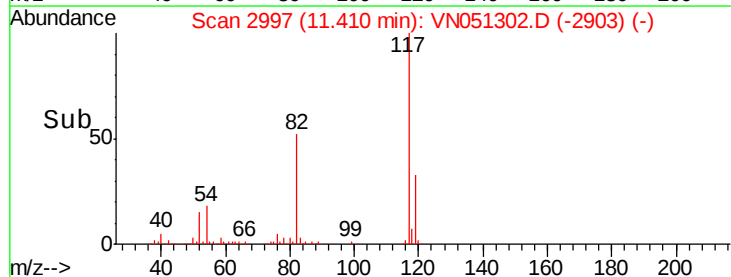
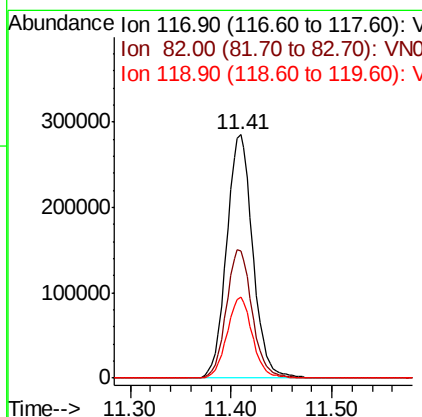
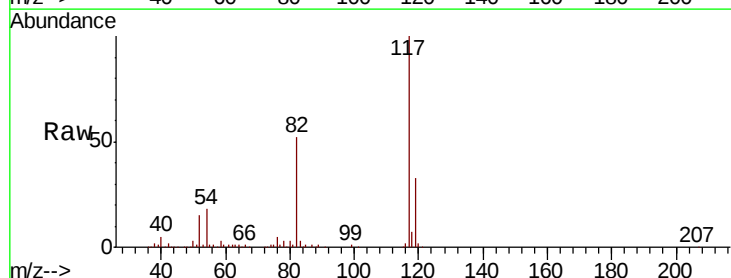
Instrument :
MSVOA_N
ClientSampleId :
RB12983RT

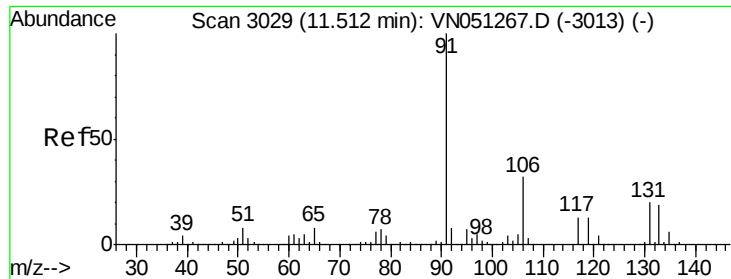
Tgt Ion: 95 Resp: 211061
Ion Ratio Lower Upper
95 100
174 95.5 0.0 189.6
176 93.0 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

Tgt Ion: 117 Resp: 515178
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 33.1 25.6 38.4

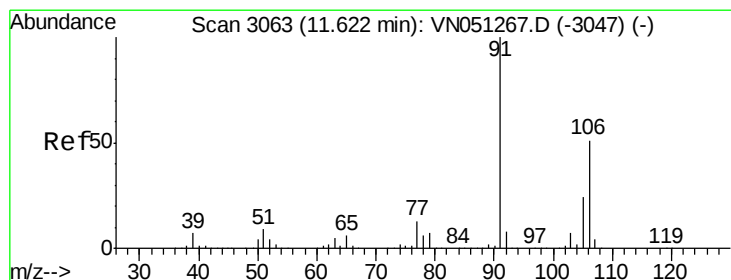
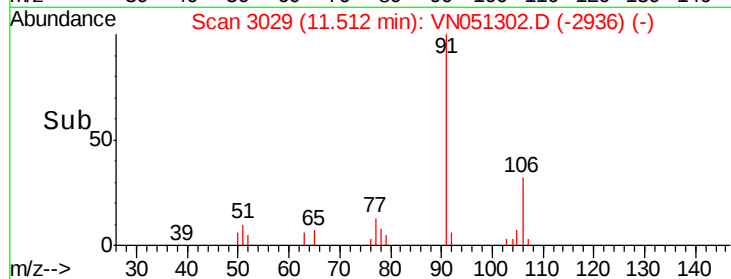
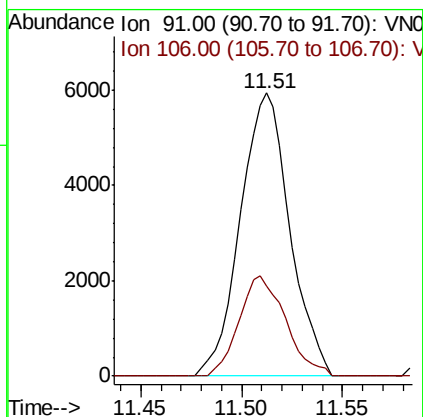
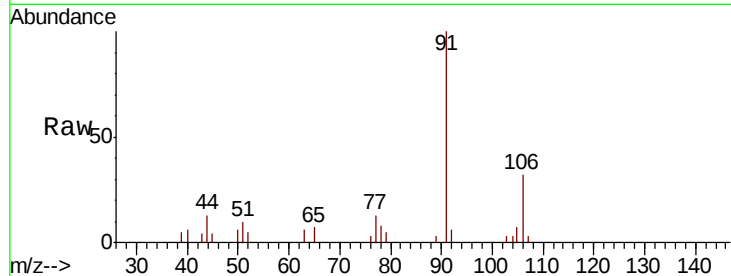




#67
Ethyl Benzene
Concen: 0.501 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

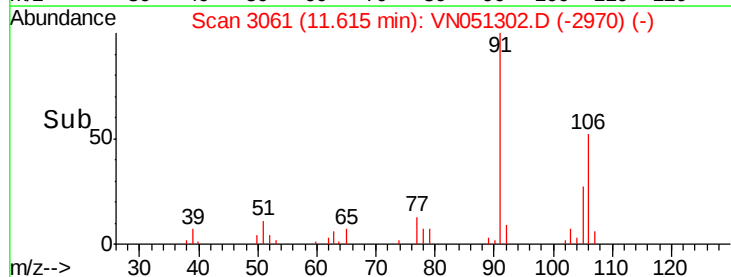
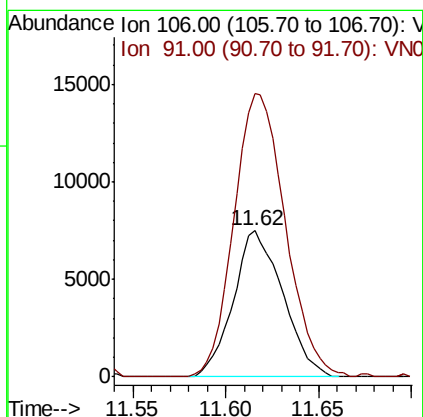
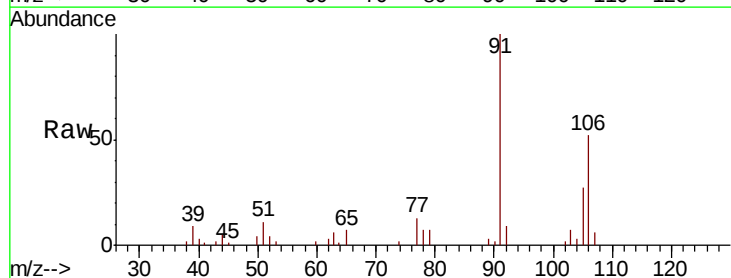
Instrument :
MSVOA_N
ClientSampled :
RB12983RT

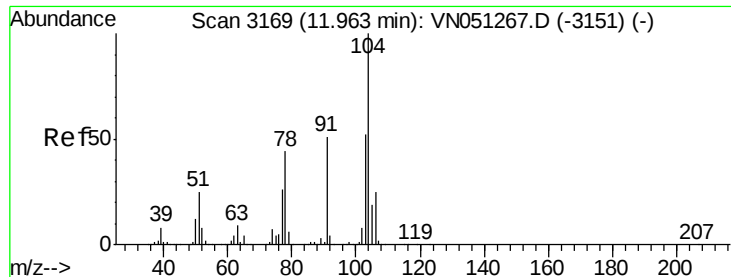
Tgt Ion: 91 Resp: 10164
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5



#68
m/p-Xylenes
Concen: 1.763 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

Tgt Ion: 106 Resp: 13911
Ion Ratio Lower Upper
106 100
91 201.8 158.6 238.0

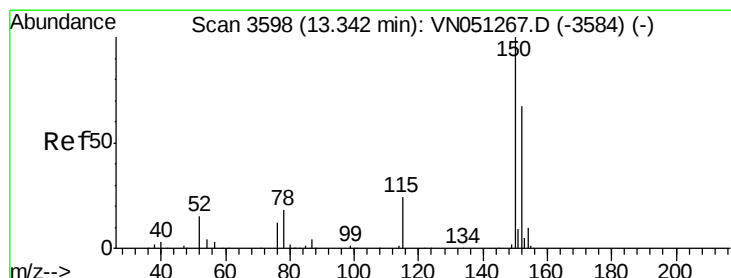
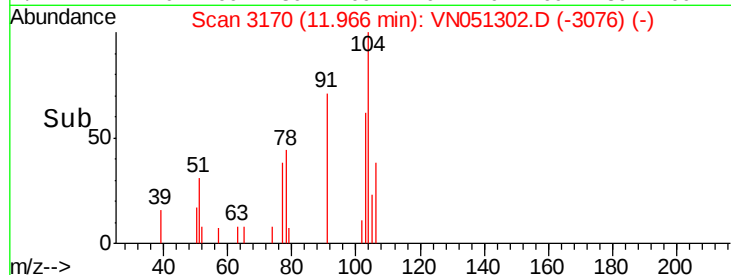
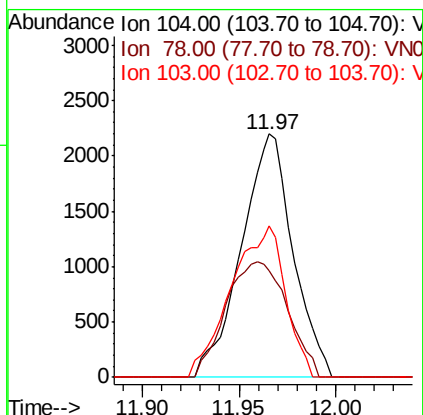
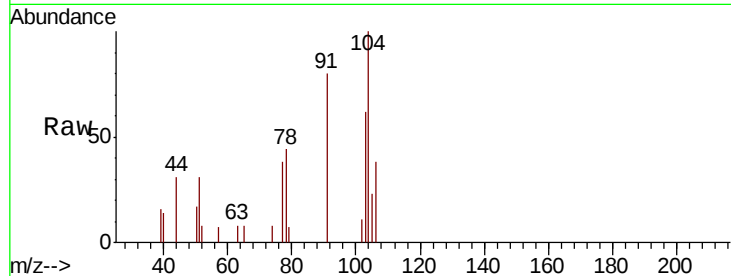




#70
Styrene
Concen: 1.543 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

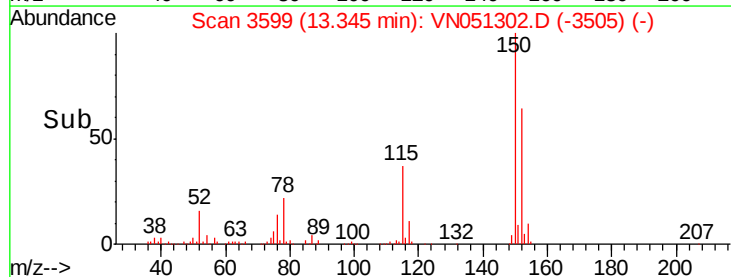
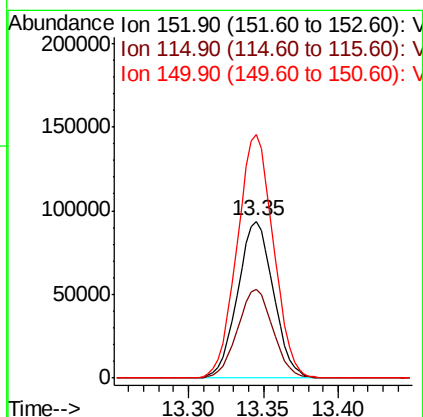
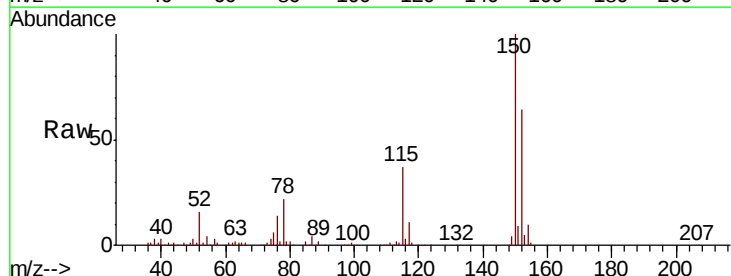
Instrument :
MSVOA_N
ClientSampleId :
RB12983RT

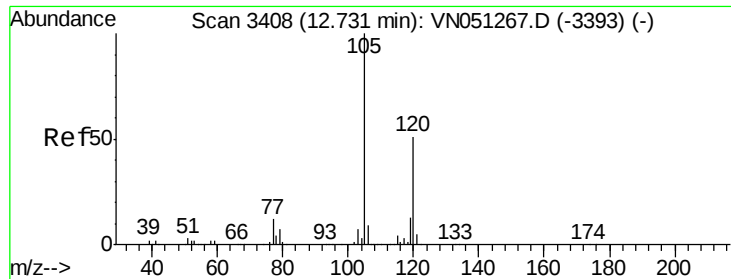
Tgt Ion:104 Resp: 4085
Ion Ratio Lower Upper
104 100
78 56.6 38.1 57.1
103 65.3 44.8 67.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

Tgt Ion:152 Resp: 155851
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.2
150 157.2 0.0 349.0

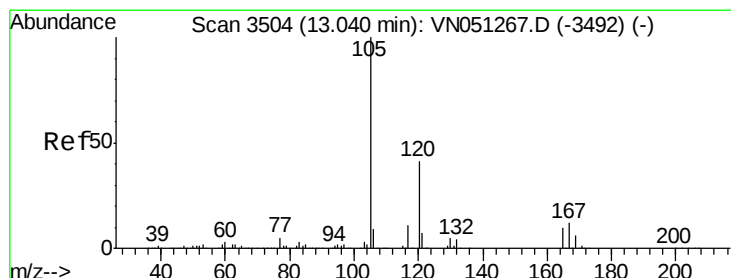
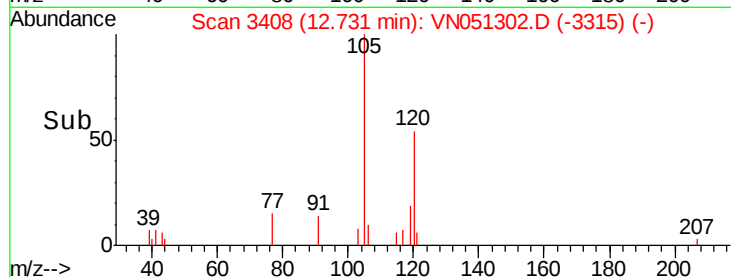
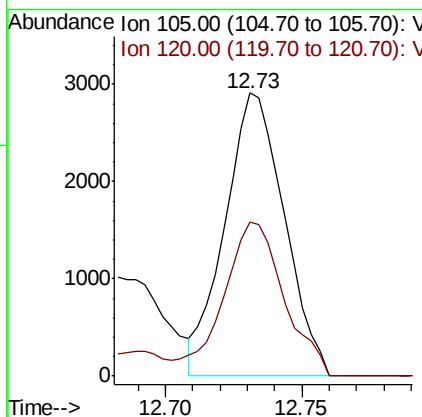
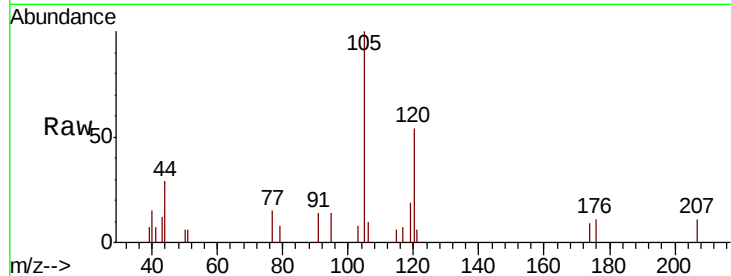




#80
 1,3,5-Trimethylbenzene
 Concen: 0.419 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051302.D
 Acq: 18 Sep 2018 17:04

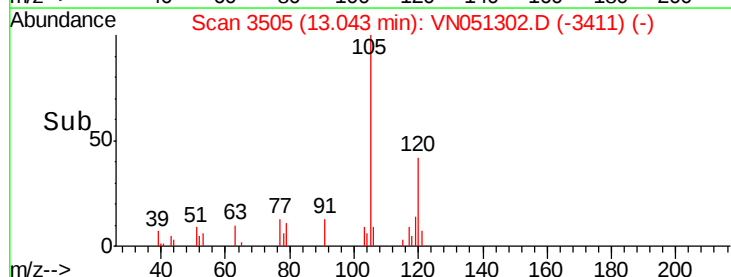
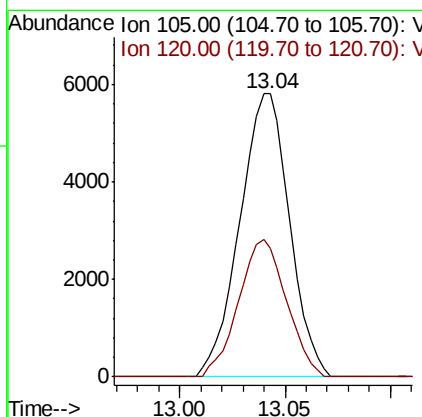
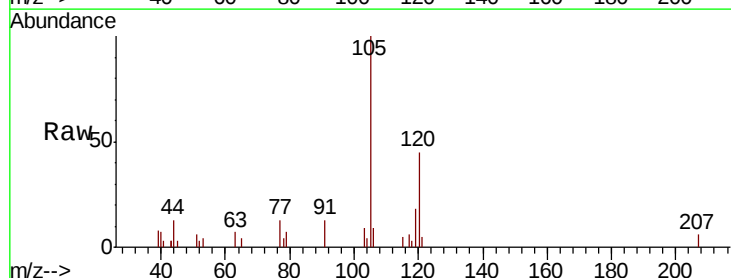
Instrument :
 MSVOA_N
 ClientSampled :
 RB12983RT

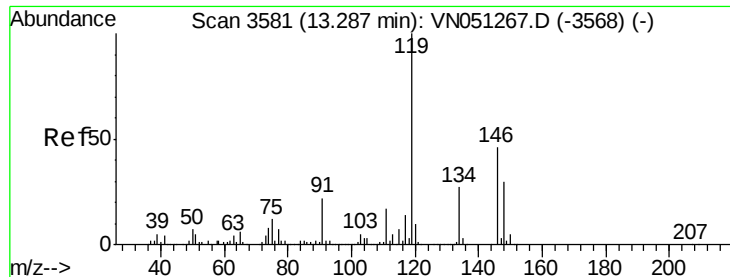
Tgt Ion:105 Resp: 4399
 Ion Ratio Lower Upper
 105 100
 120 55.8 25.3 75.8



#84
 1,2,4-Trimethylbenzene
 Concen: 0.932 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN051302.D
 Acq: 18 Sep 2018 17:04

Tgt Ion:105 Resp: 9510
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.5 70.6

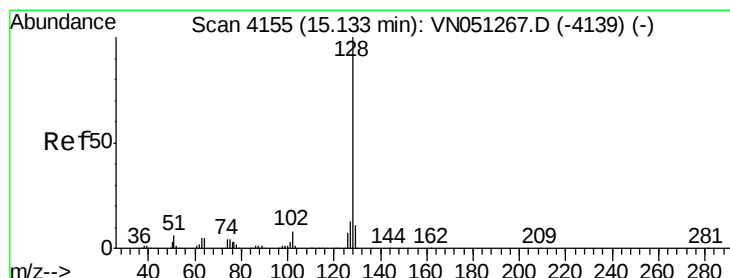
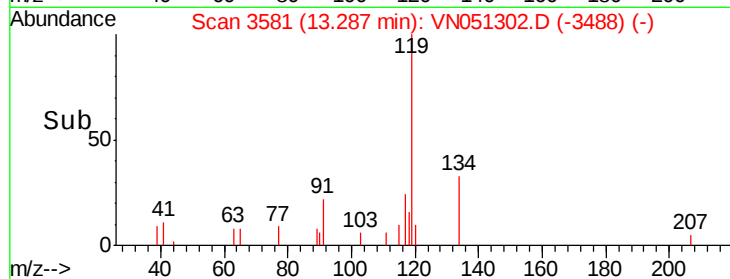
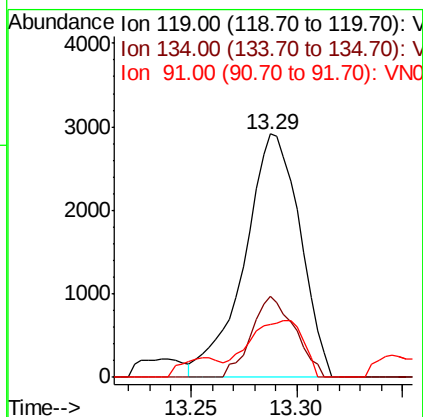
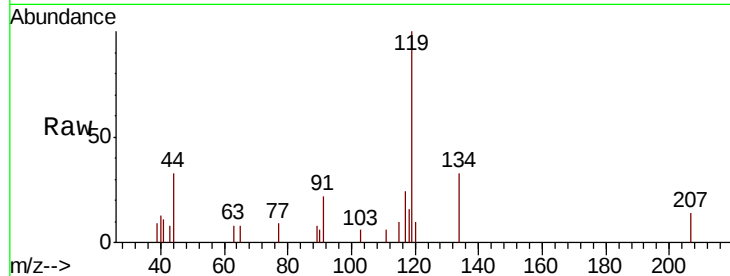




#86
p-Isopropyltoluene
Concen: 0.540 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

Instrument :
MSVOA_N
ClientSampleId :
RB12983RT

Tgt Ion:119 Resp: 5337
Ion Ratio Lower Upper
119 100
134 26.1 13.5 40.5
91 22.9 11.1 33.1



#95
Naphthalene
Concen: 19.557 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051302.D
Acq: 18 Sep 2018 17:04

Tgt Ion:128 Resp: 75434
Ion Ratio Lower Upper
128 100
127 14.5 10.7 16.1
129 10.7 8.9 13.3

