

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051144.D
 Acq On : 12 Sep 2018 11:41
 Operator : MD\SY
 Sample : PB112767TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112767TB

Quant Time: Sep 13 07:17:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	950694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	836762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	370085	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	
35) Dibromofluoromethane	7.59	113	362659	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	10.09	98	1319261	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	361073	40.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.54%	

Target Compounds

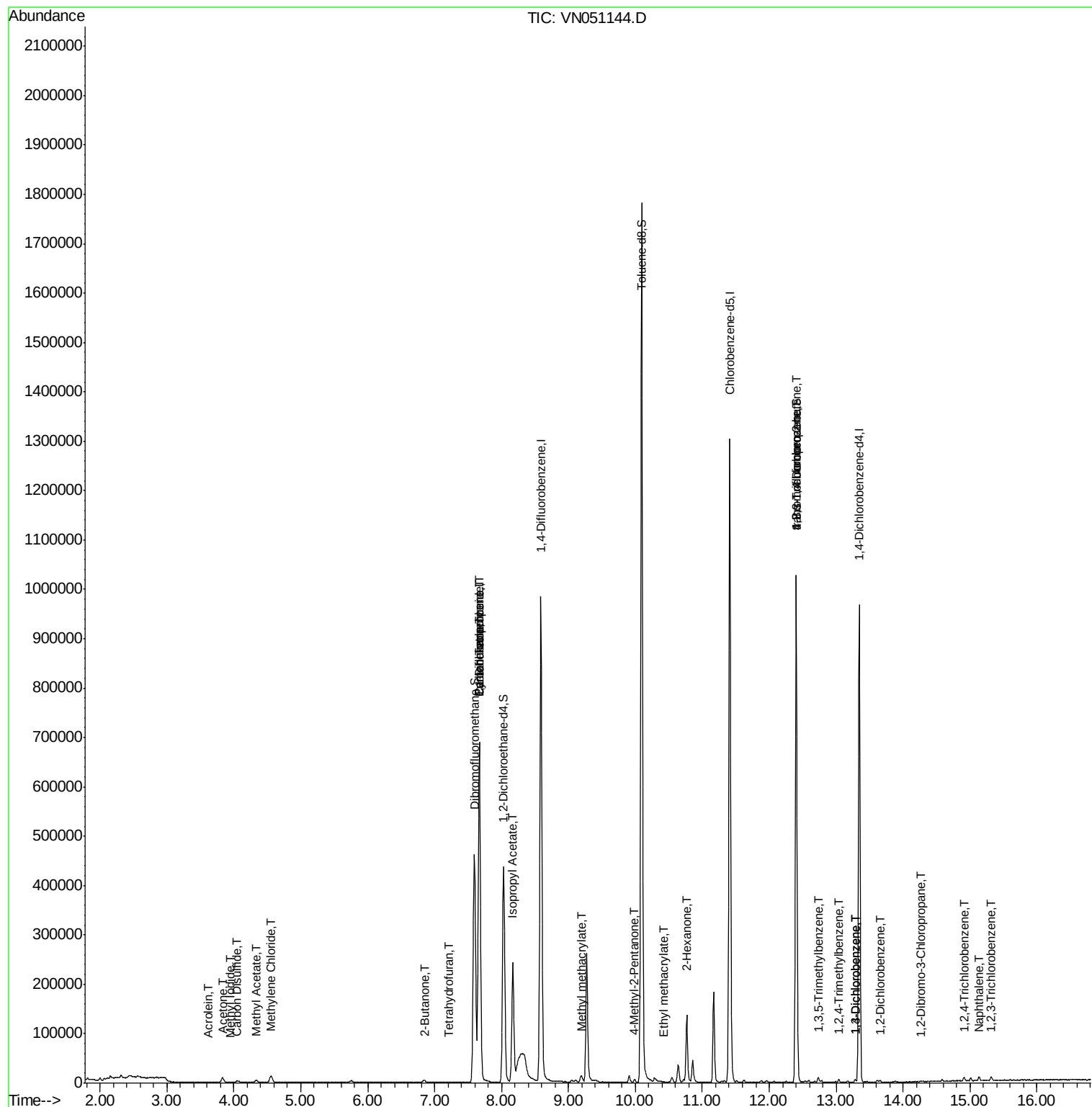
						Qvalue
3) Chloromethane	2.06	50	2764	Below Cal		89
5) Bromomethane	2.57	94	3130	Below Cal		81
10) Methyl Iodide	3.95	142	475	5.70 ug/l	#	68
13) Acrolein	3.61	56	93	24.42 ug/l	#	1
16) Acetone	3.83	43	16709	4.30 ug/l		98
17) Carbon Disulfide	4.05	76	5045	0.38 ug/l		98
18) Methyl Acetate	4.34	43	8474	1.57 ug/l	#	89
20) Methylene Chloride	4.56	84	10806	1.45 ug/l		95
25) 2-Butanone	6.86	43	2882	1.09 ug/l		100
29) Tetrahydrofuran	7.22	42	1382	0.84 ug/l	#	47
31) Cyclohexane	7.67	56	9709	0.65 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	38750	3.71 ug/l	#	49
38) Carbon Tetrachloride	7.67	117	52608	5.12 ug/l	#	17
43) Isopropyl Acetate	8.17	43	275870	25.86 ug/l	#	89
48) Methyl methacrylate	9.18	41	7570	1.46 ug/l	#	18
51) 4-Methyl-2-Pentanone	9.99	43	3994	0.68 ug/l	#	62
56) Ethyl methacrylate	10.43	69	258	2.48 ug/l	#	75
59) 2-Hexanone	10.77	43	21137	5.28 ug/l	#	57
75) 1,1,2,2-Tetrachloroethane	12.50	83	477	Below Cal	#	95
76) 1,2,3-Trichloropropane	12.40	75	163599	37.27 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.73	105	5313	0.28 ug/l		97
81) trans-1,4-Dichloro-2-buten	12.40	75	163599	110.87 ug/l	#	15
84) 1,2,4-Trimethylbenzene	13.04	105	4061	0.22 ug/l		96
87) 1,3-Dichlorobenzene	13.28	146	2334	0.22 ug/l		95
88) 1,4-Dichlorobenzene	13.28	146	2334	0.25 ug/l		94
91) 1,2-Dichlorobenzene	13.66	146	2309	0.22 ug/l		97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	474	1.24 ug/l	#	7
93) 1,2,4-Trichlorobenzene	14.91	180	2842	4.50 ug/l		97
94) Hexachlorobutadiene	15.01	225	1711	Below Cal		92
95) Naphthalene	15.13	128	7738	6.00 ug/l	#	91
96) 1,2,3-Trichlorobenzene	15.32	180	3391	3.61 ug/l		95

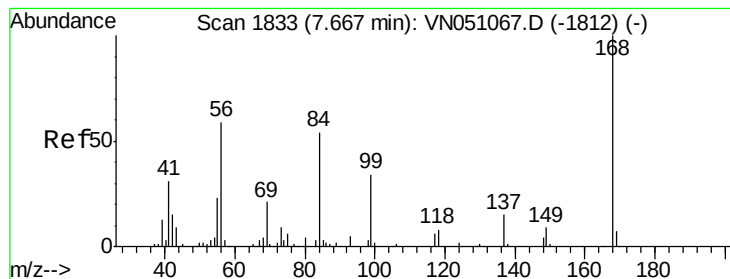
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 11 02:27:09 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

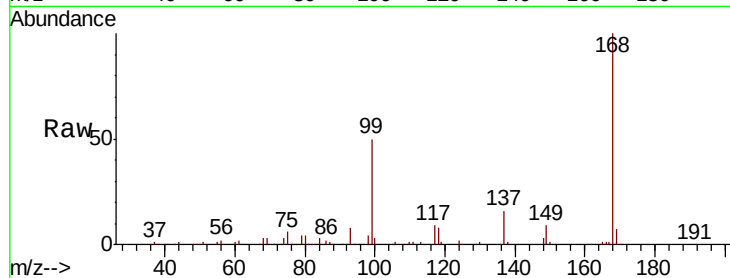
PB112767TB

Tot Ion:168 Resp: 604994

Ion Ratio Lower Upper

168 100

99 50.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

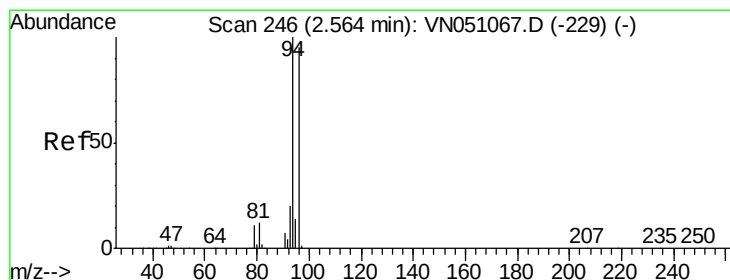
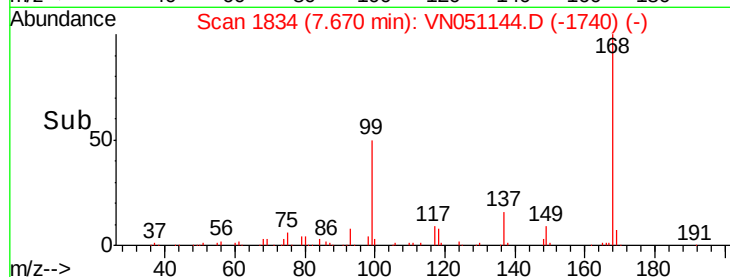
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051144.D

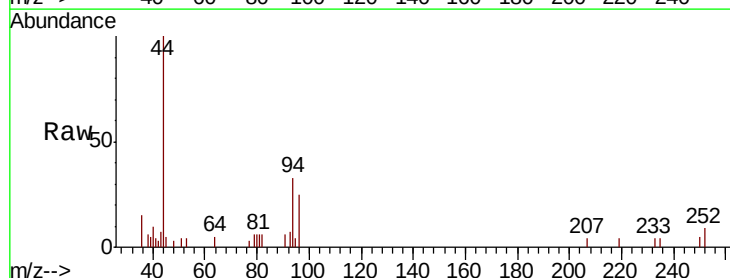
Acq: 12 Sep 2018 11:41

Tgt Ion: 94 Resp: 3130

Ion Ratio Lower Upper

94 100

96 76.3 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

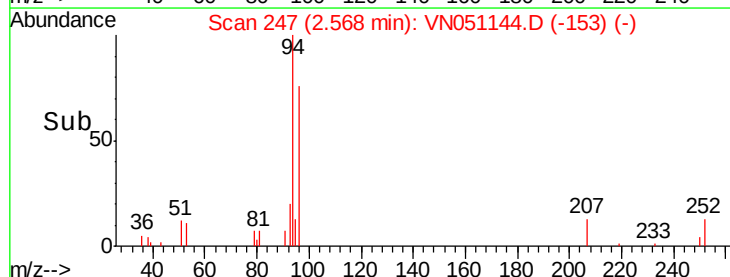
1500

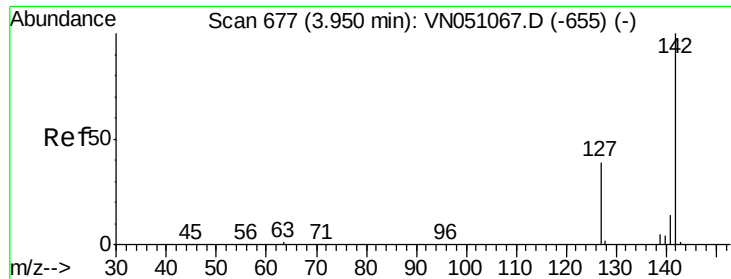
1000

500

0

Time-->

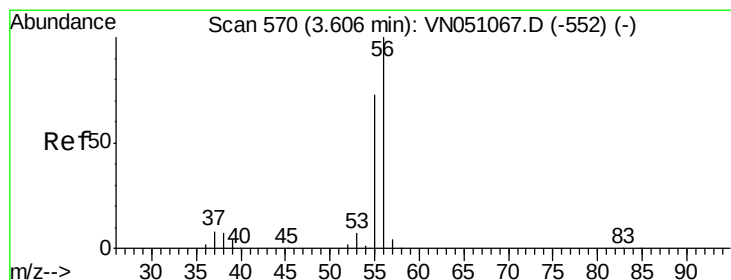
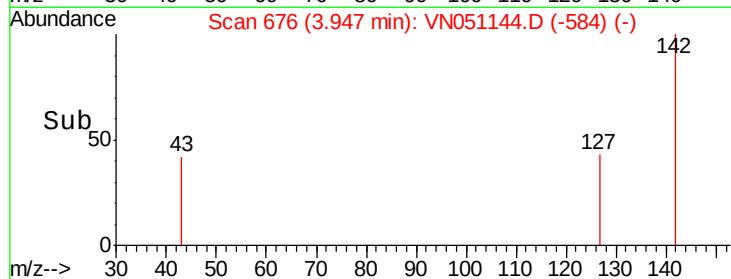
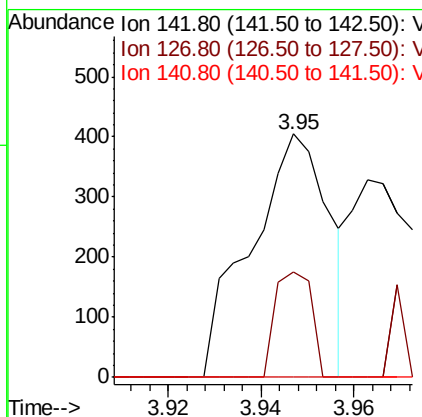
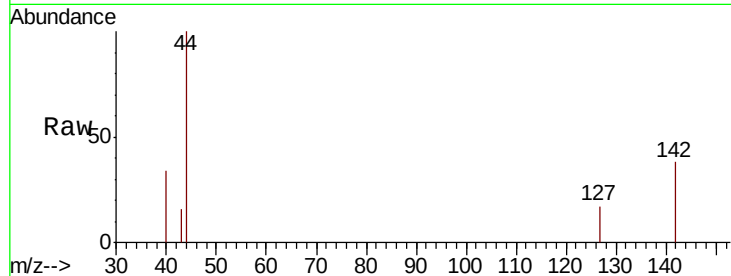




#10
Methvl Iodide
Concen: 5.70 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN051144.D
Acq: 12 Sep 2018 11:41

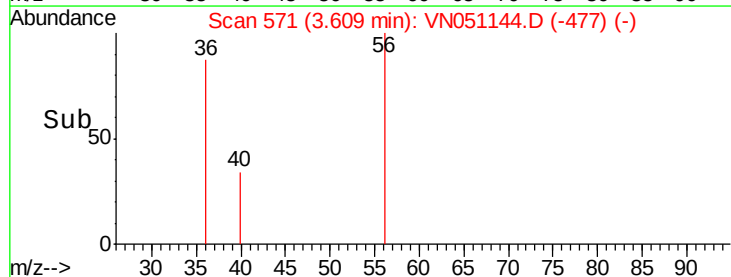
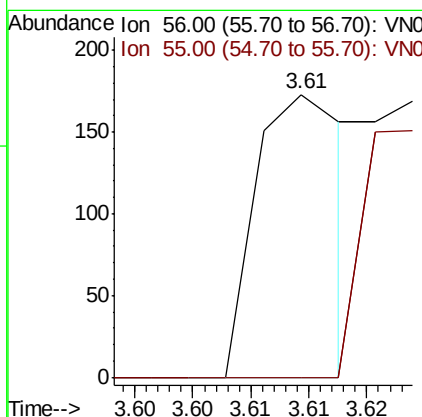
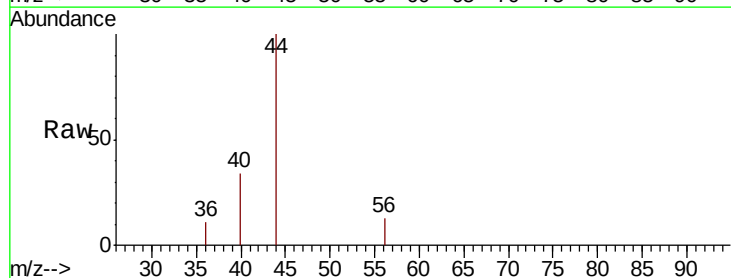
Instrument :
MSVOA_N
ClientSampled :
PB112767TB

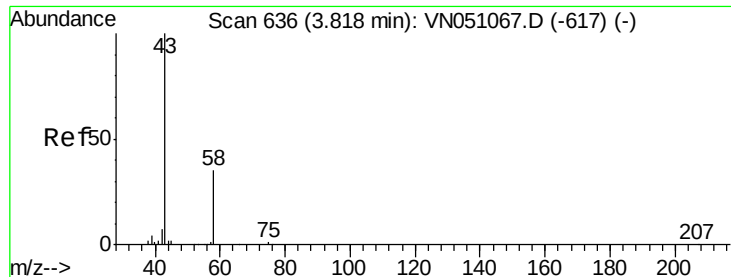
Tot Ion:142 Resp: 475
Ion Ratio Lower Upper
142 100
127 20.0 31.0 46.4#
141 0.0 11.3 16.9#



#13
Acrolein
Concen: 24.42 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051144.D
Acq: 12 Sep 2018 11:41

Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 196.8 58.0 87.0#





#16

Acetone

Concen: 4.30 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

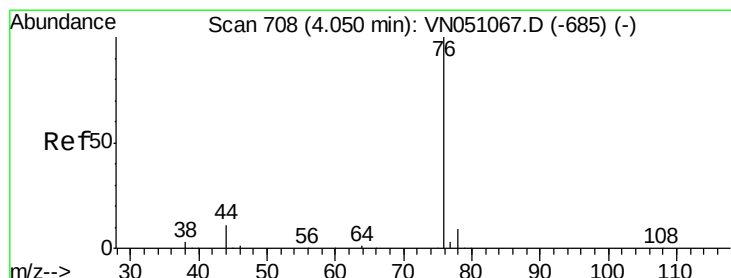
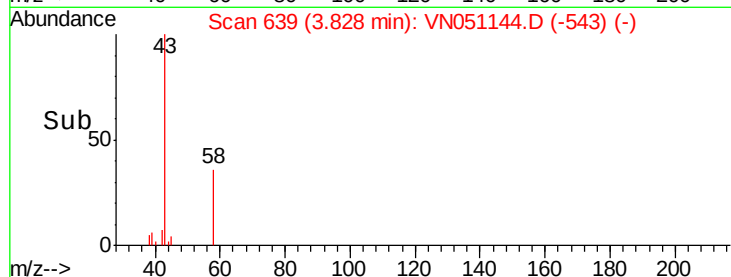
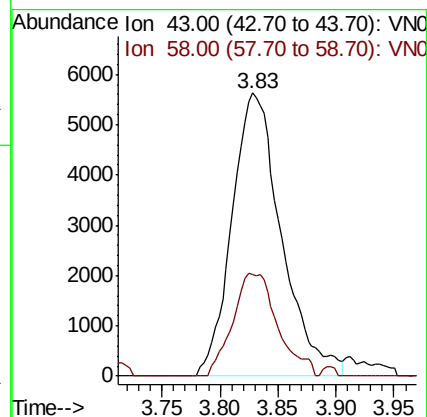
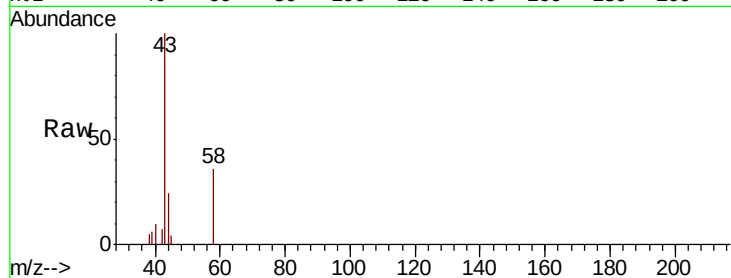
PB112767TB

Tot Ion: 43 Resp: 16709

Ion Ratio Lower Upper

43 100

58 35.9 27.8 41.6



#17

Carbon Disulfide

Concen: 0.38 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051144.D

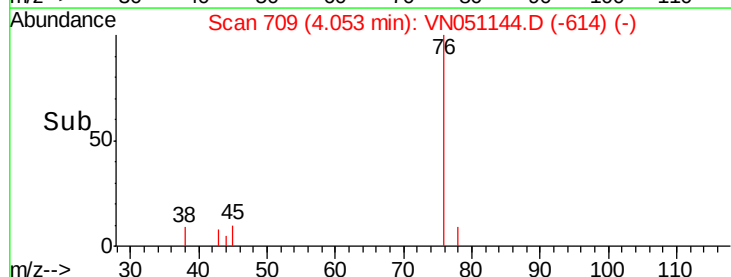
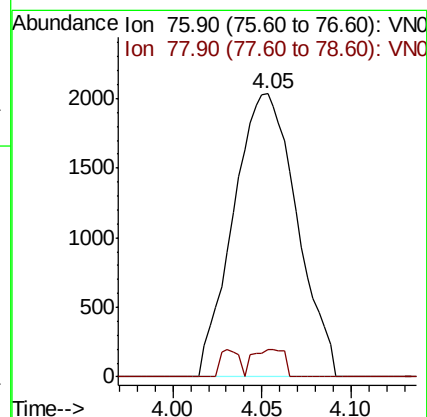
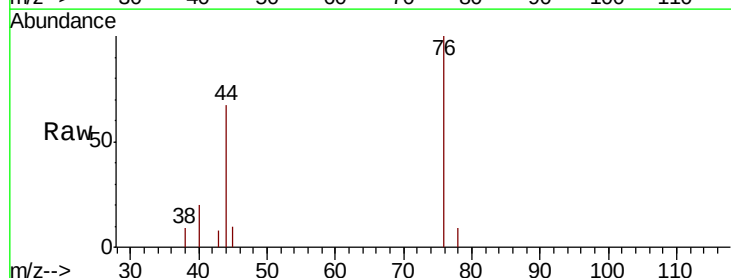
Acq: 12 Sep 2018 11:41

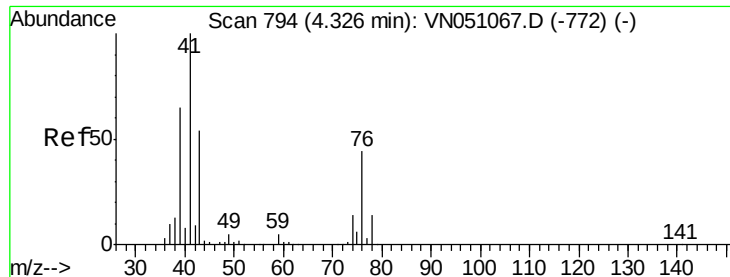
Tgt Ion: 76 Resp: 5045

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

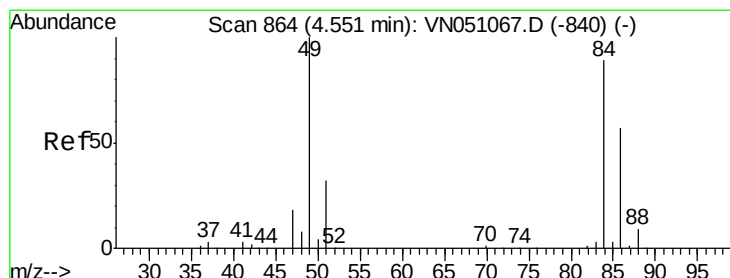
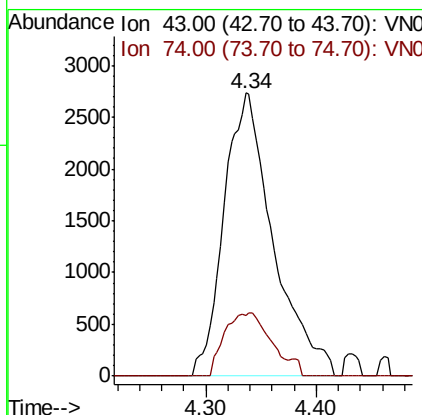
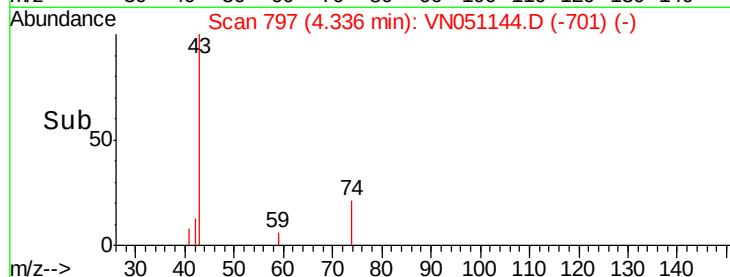
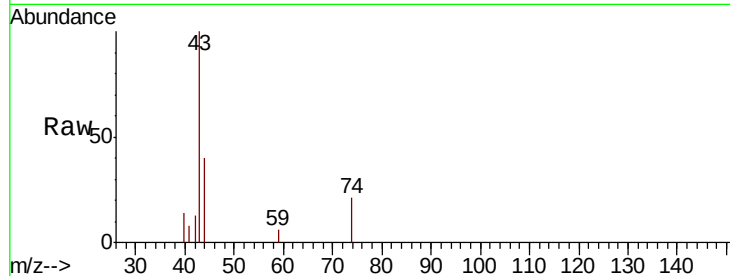




#18
Methyl Acetate
Concen: 1.57 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051144.D
Acq: 12 Sep 2018 11:41

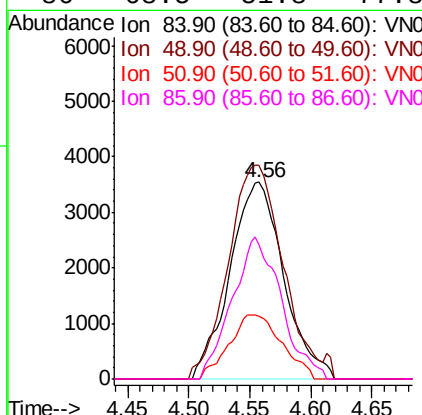
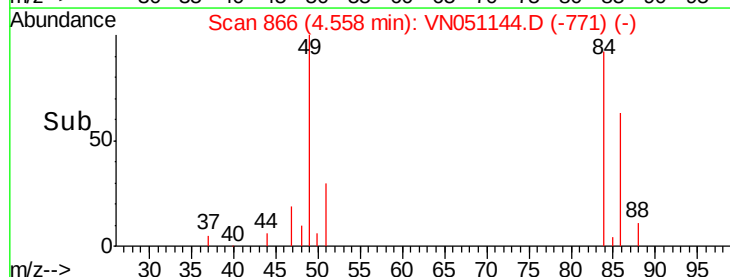
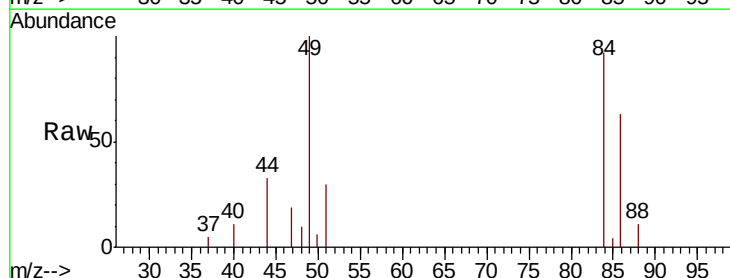
Instrument :
MSVOA_N
ClientSampleId :
PB112767TB

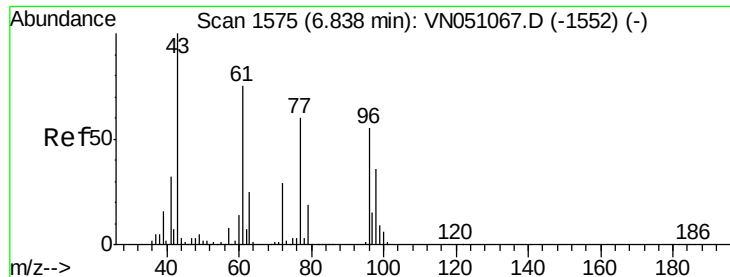
Tot Ion: 43 Resp: 8474
Ion Ratio Lower Upper
43 100
74 20.5 20.7 31.1#



#20
Methylene Chloride
Concen: 1.45 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051144.D
Acq: 12 Sep 2018 11:41

Tgt Ion: 84 Resp: 10806
Ion Ratio Lower Upper
84 100
49 108.4 90.2 135.2
51 32.1 28.4 42.6
86 68.5 51.8 77.8

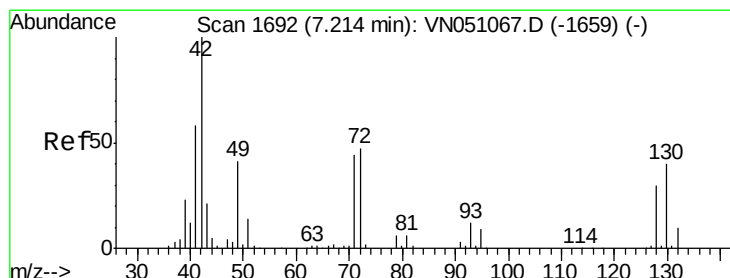
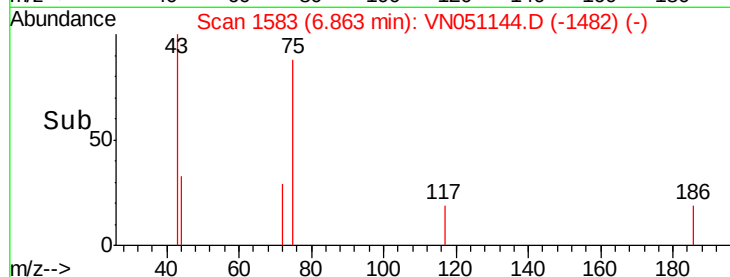
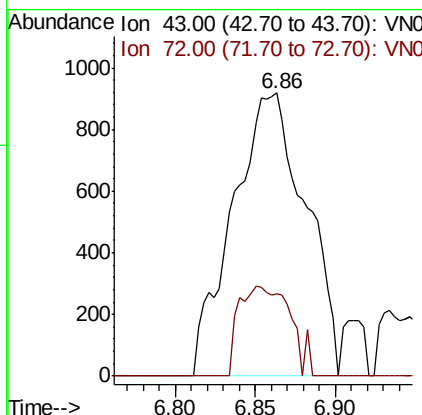
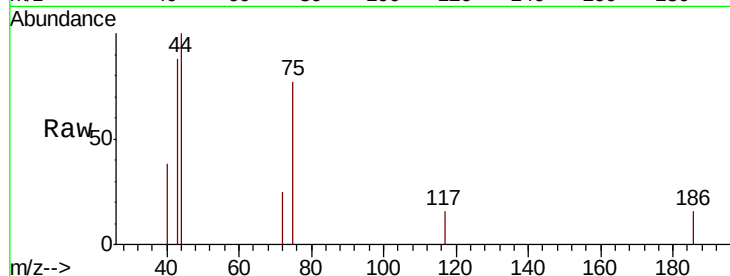




#25
2-Butanone
Concen: 1.09 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.03 min
Lab File: VN051144.D
Acq: 12 Sep 2018 11:41

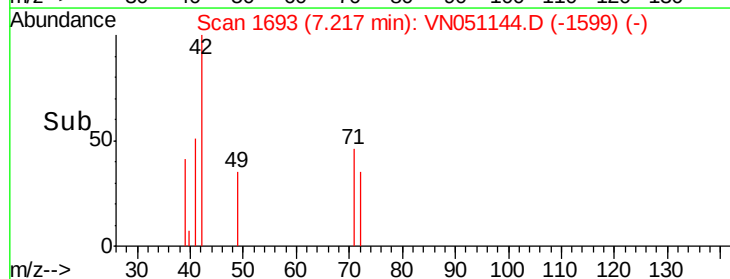
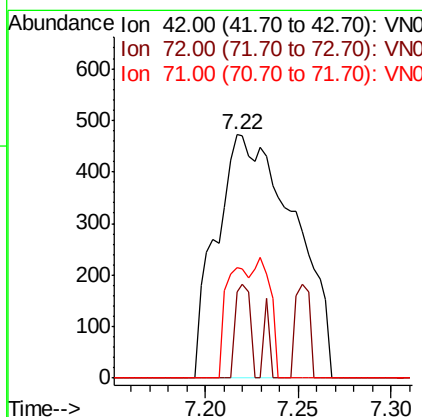
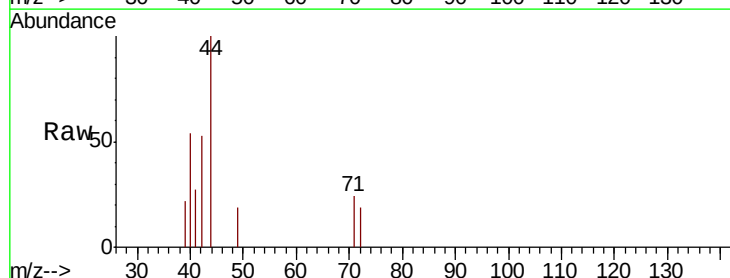
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ClientSampled :
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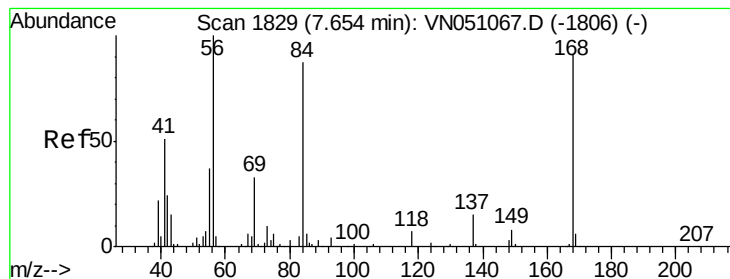
Tot Ion: 43 Resp: 2882
Ion Ratio Lower Upper
43 100
72 29.0 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.84 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051144.D
Acq: 12 Sep 2018 11:41

Tgt Ion: 42 Resp: 1382
Ion Ratio Lower Upper
42 100
72 7.2 37.4 56.0#
71 13.9 34.7 52.1#





#31

Cyclohexane

Concen: 0.65 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

PB112767TB

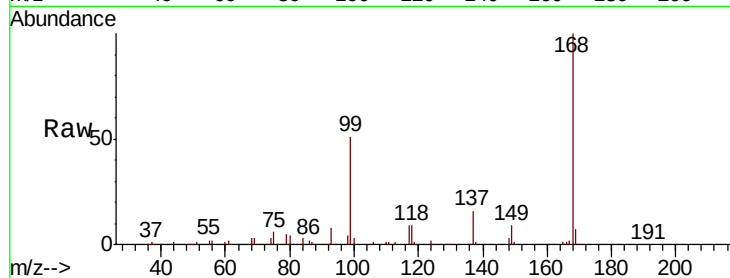
Tot Ion: 56 Resp: 9709

Ion Ratio Lower Upper

56 100

69 197.4 26.3 39.5#

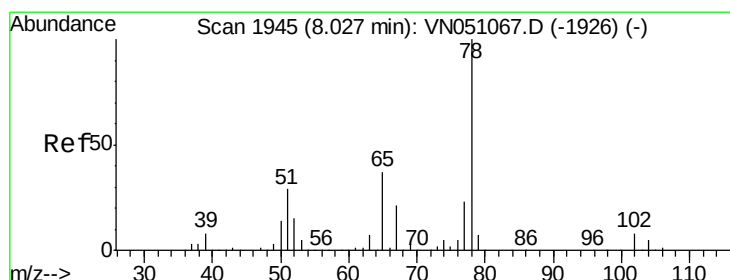
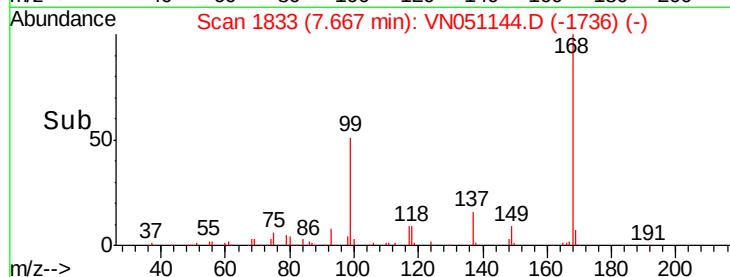
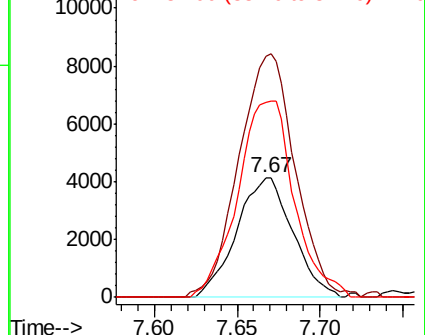
84 163.5 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VN051144.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051144.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051144.D (-1736) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.97 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051144.D

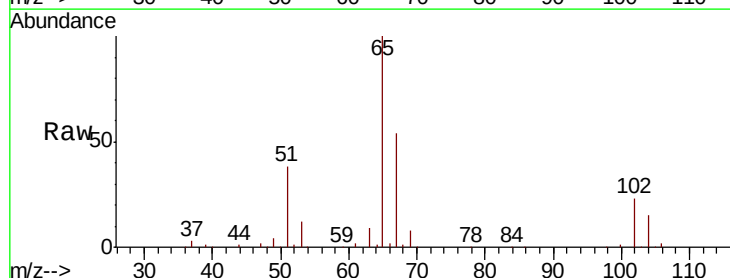
Acq: 12 Sep 2018 11:41

Tgt Ion: 65 Resp: 370085

Ion Ratio Lower Upper

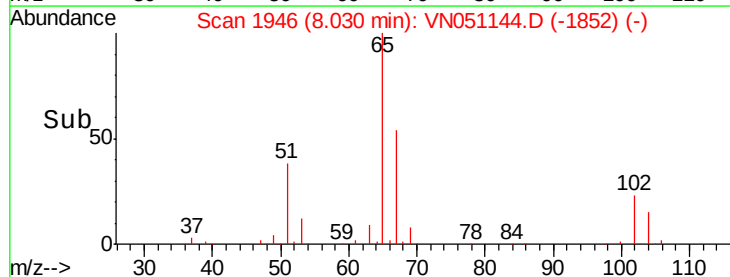
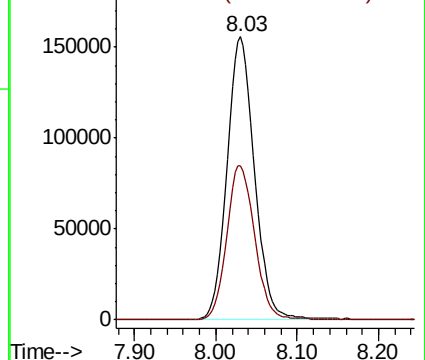
65 100

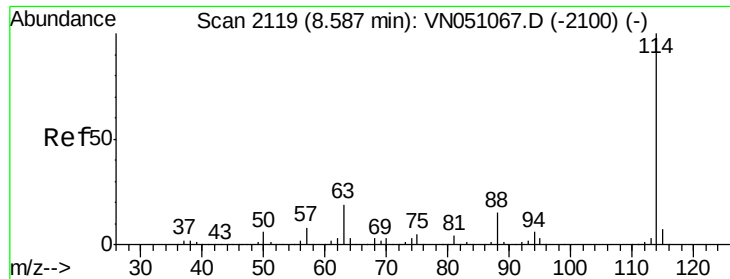
67 55.6 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN051144.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN051144.D (-1852) (-)

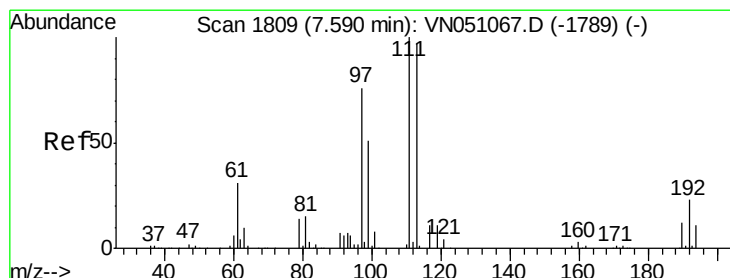
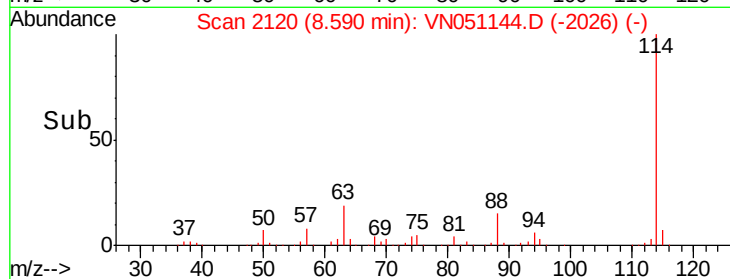
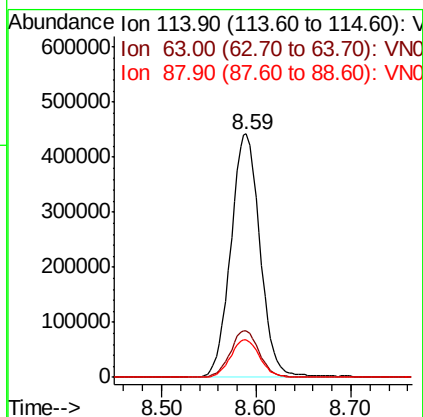
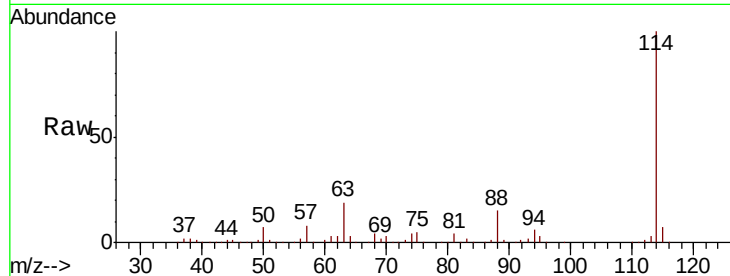




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051144.D
 Acq: 12 Sep 2018 11:41

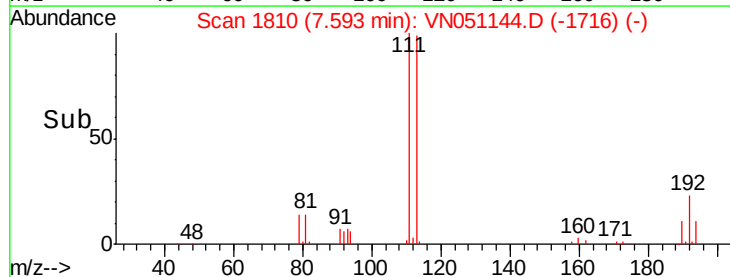
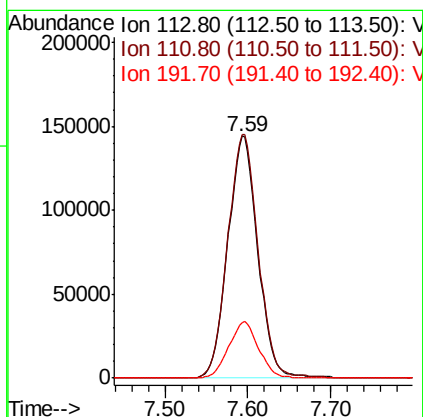
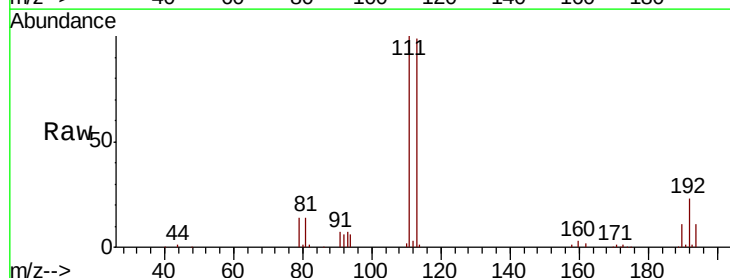
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112767TB

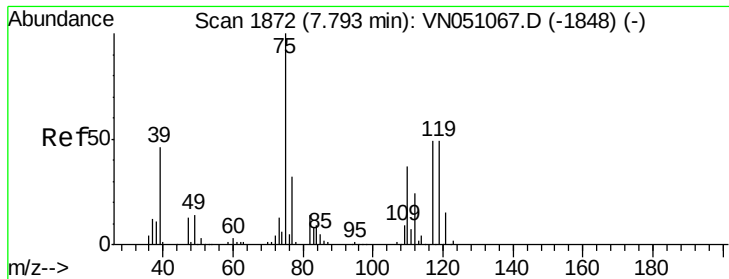
Tot Ion:114 Resp: 950694
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 15.3 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 50.77 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051144.D
 Acq: 12 Sep 2018 11:41

Tgt Ion:113 Resp: 362659
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.6
 192 23.3 18.7 28.1

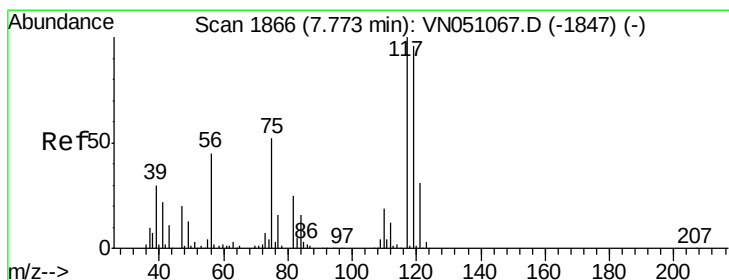
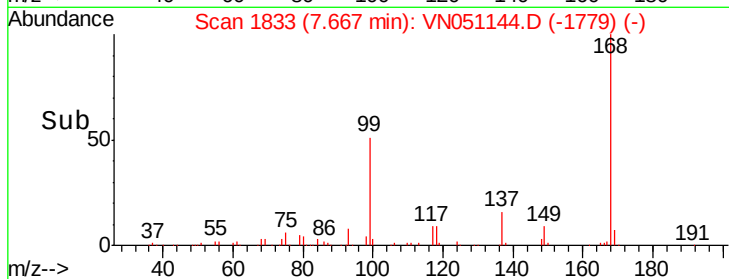
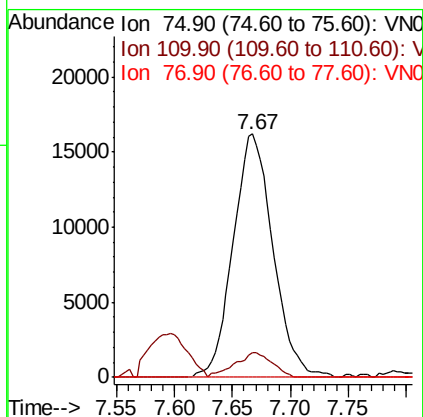
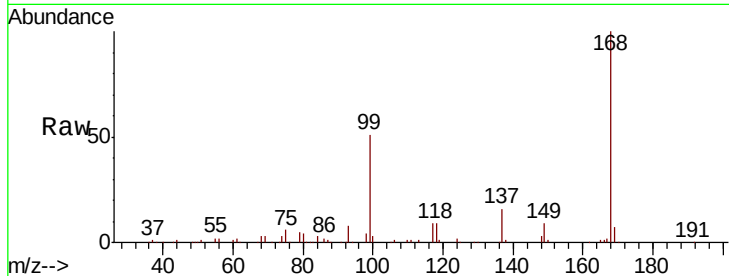




#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051144.D
 Acq: 12 Sep 2018 11:41

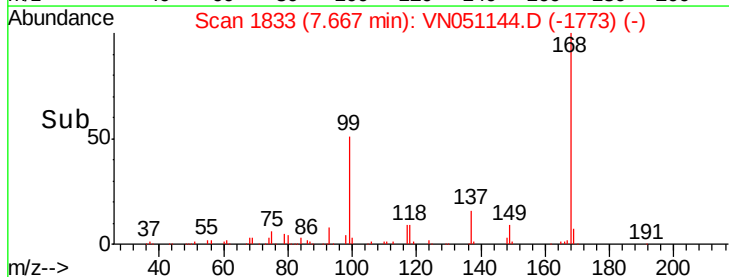
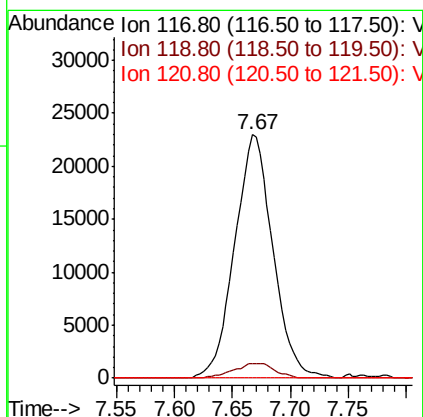
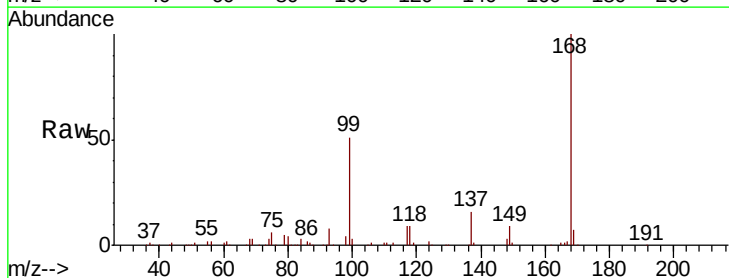
Instrument :
 MSVOA_N
 ClientSampled :
 PB112767TB

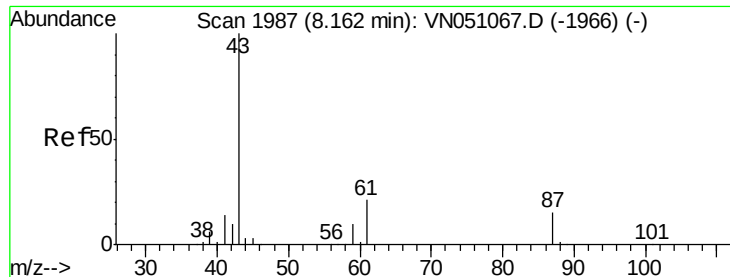
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.6	55.8#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.12 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051144.D
 Acq: 12 Sep 2018 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.8	115.2#
121	0.0	24.6	36.8#



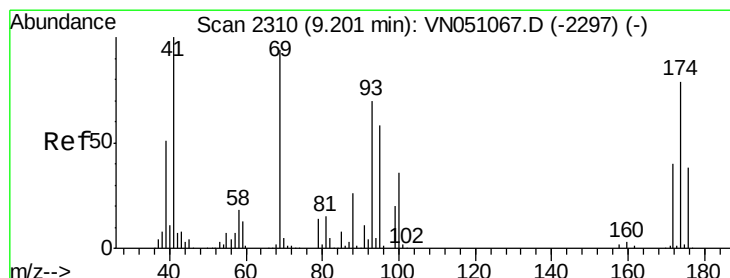
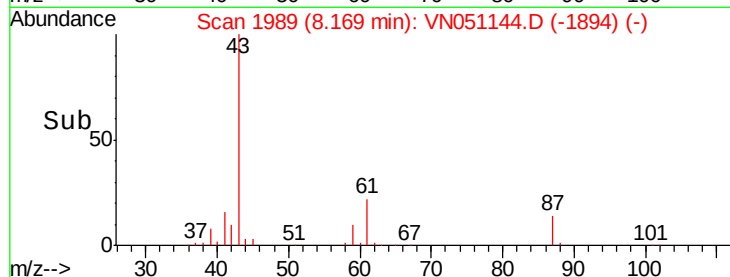
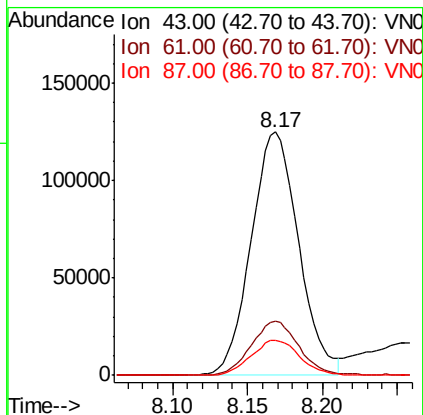
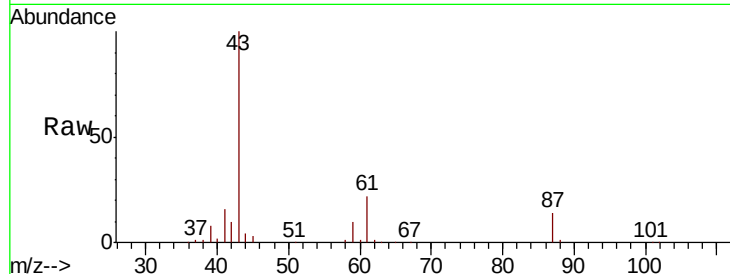


#43

Isopropyl Acetate
 Concen: 25.86 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VN051144.D
 Acq: 12 Sep 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112767TB

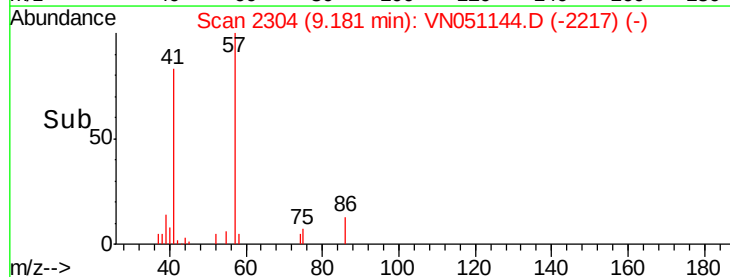
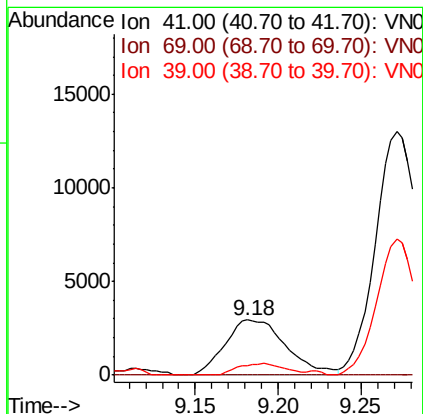
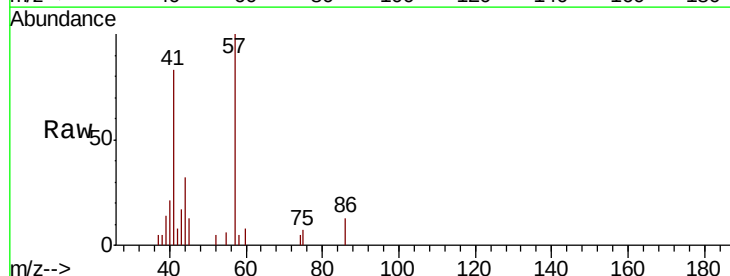
Tot Ion: 43 Resp: 275870
 Ion Ratio Lower Upper
 43 100
 61 22.4 25.0 37.6#
 87 14.7 11.8 17.8

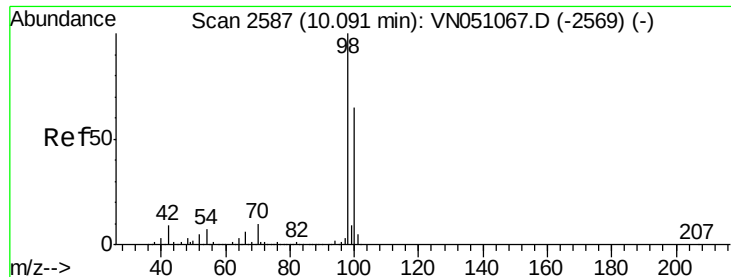


#48

Methyl methacrylate
 Concen: 1.46 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN051144.D
 Acq: 12 Sep 2018 11:41

Tgt Ion: 41 Resp: 7570
 Ion Ratio Lower Upper
 41 100
 69 0.0 77.7 116.5#
 39 15.7 41.6 62.4#





#50

Toluene-d8

Concen: 48.67 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

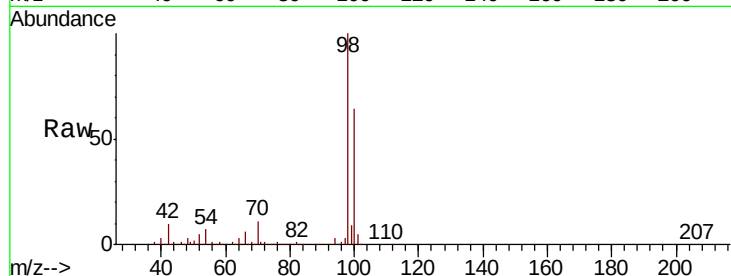
PB112767TB

Tot Ion: 98 Resp: 1319261

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051067.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN051067.D (-2569) (-)

10.09

800000

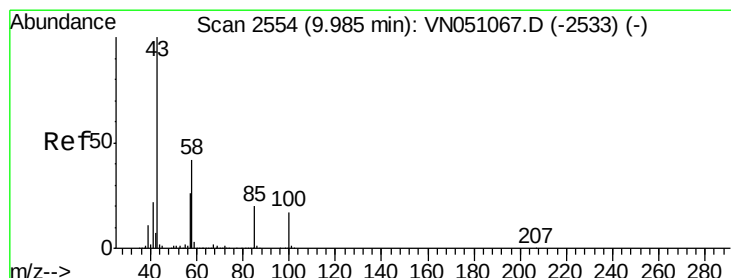
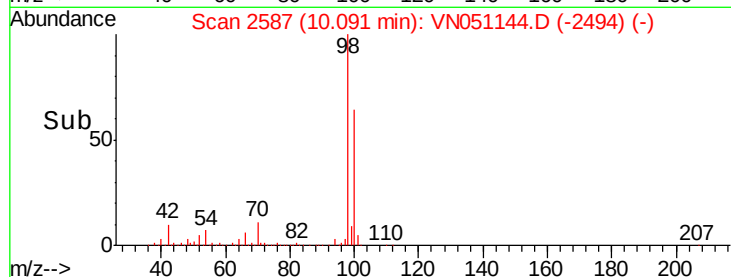
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.68 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051144.D

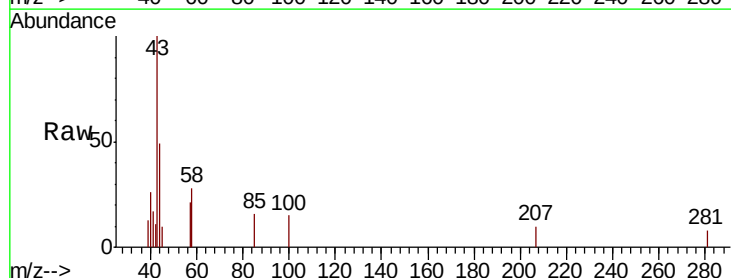
Acq: 12 Sep 2018 11:41

Tgt Ion: 43 Resp: 3994

Ion Ratio Lower Upper

43 100

58 17.9 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-2533) (-)

9.99

6000

5000

4000

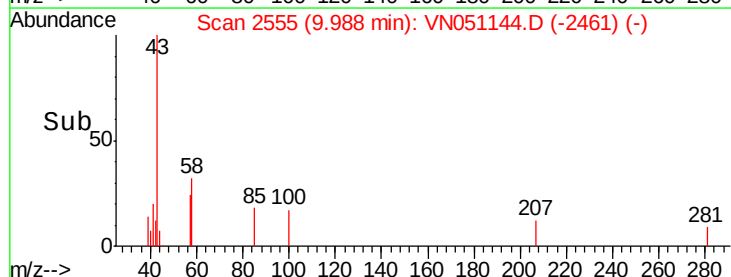
3000

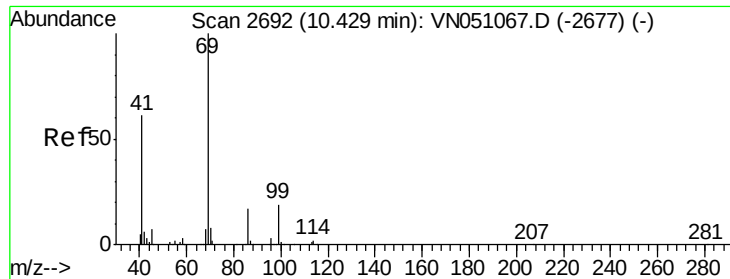
2000

1000

0

Time-->





#56

Ethyl methacrylate

Concen: 2.48 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

PB112767TB

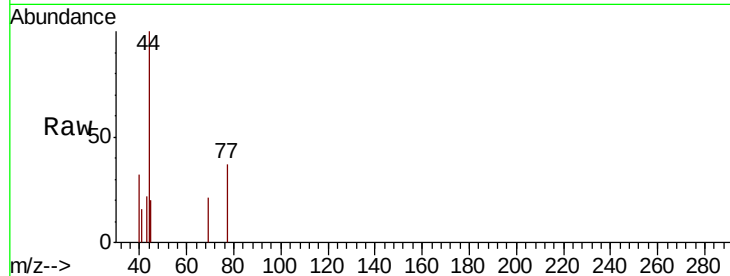
Tot Ion: 69 Resp: 258

Ion Ratio Lower Upper

69 100

41 51.9 47.8 71.8

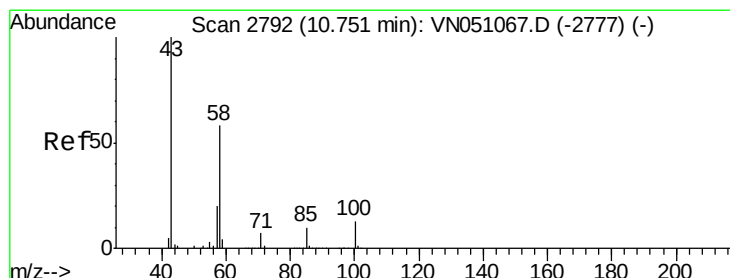
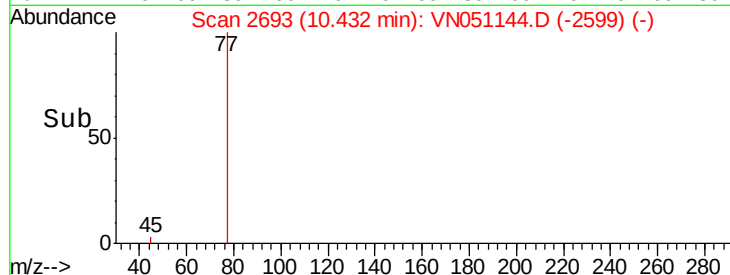
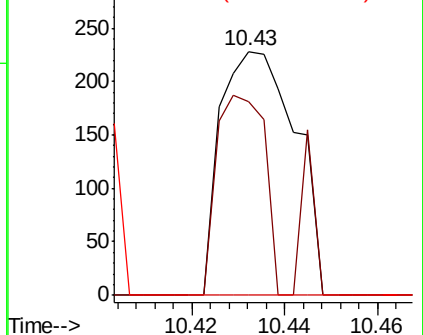
39 0.0 23.0 34.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 5.28 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN051144.D

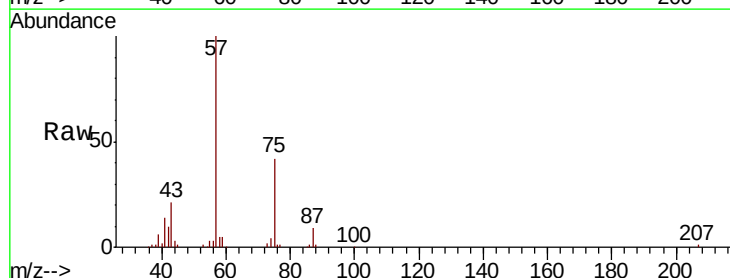
Acq: 12 Sep 2018 11:41

Tgt Ion: 43 Resp: 21137

Ion Ratio Lower Upper

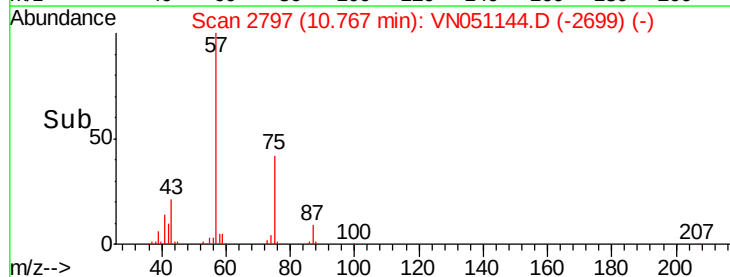
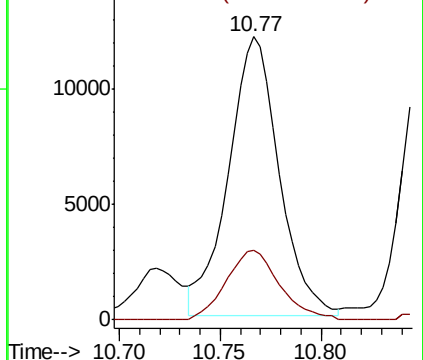
43 100

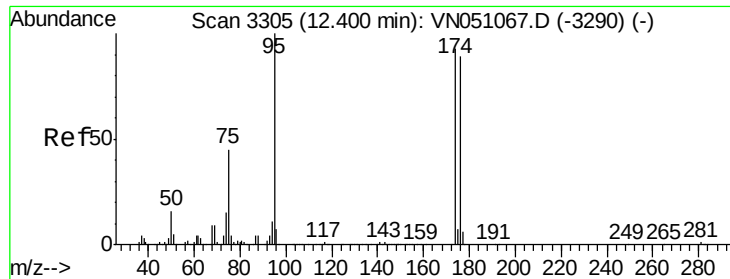
58 26.5 29.3 88.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 40.27 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

PB112767TB

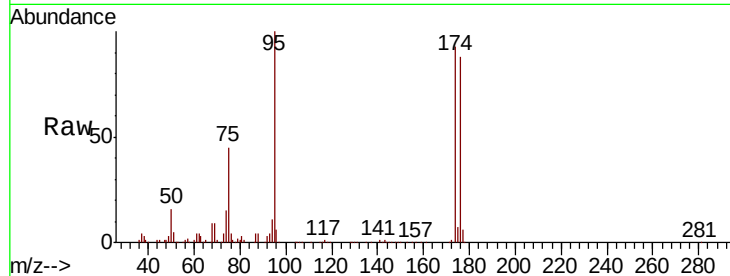
Tot Ion: 95 Resp: 361073

Ion Ratio Lower Upper

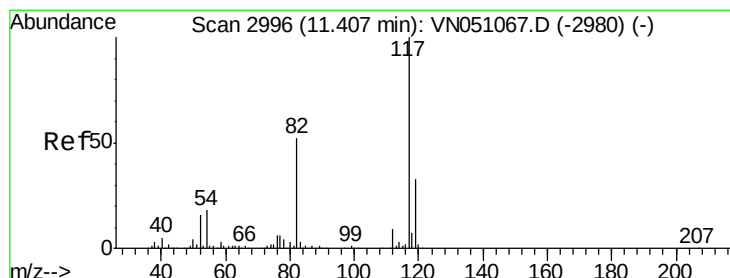
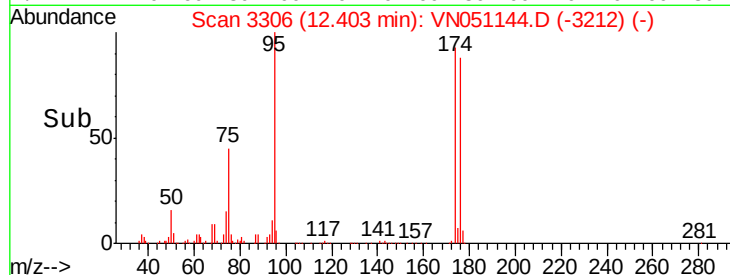
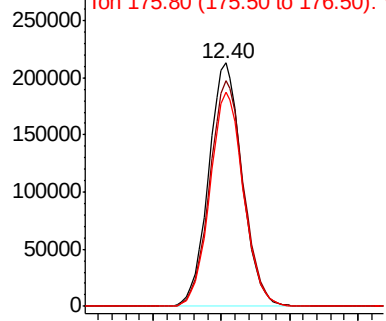
95 100

174 94.0 0.0 184.8

176 88.2 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN051067.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

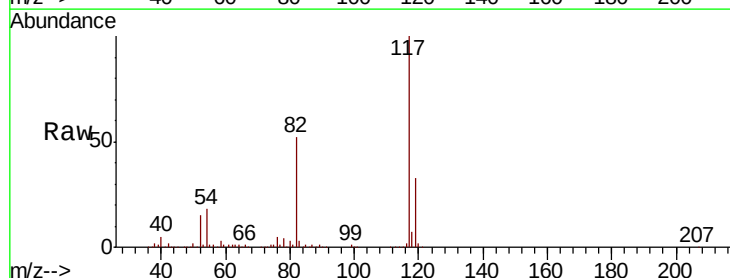
Tgt Ion: 117 Resp: 836762

Ion Ratio Lower Upper

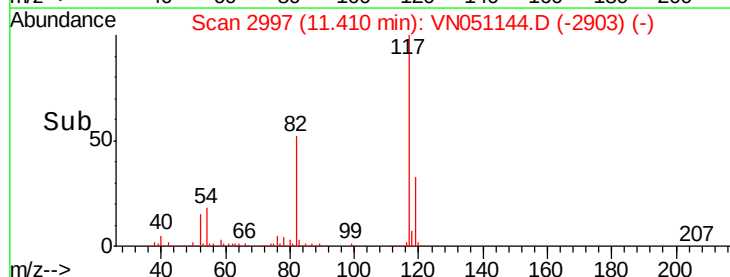
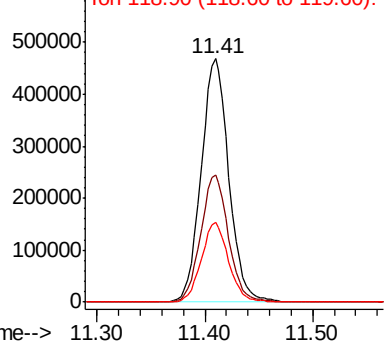
117 100

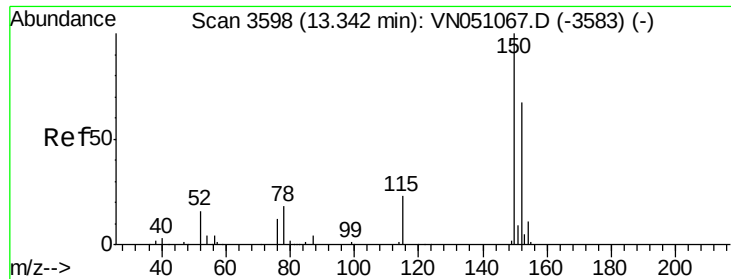
82 52.2 41.8 62.6

119 32.6 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN051067.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

PB112767TB

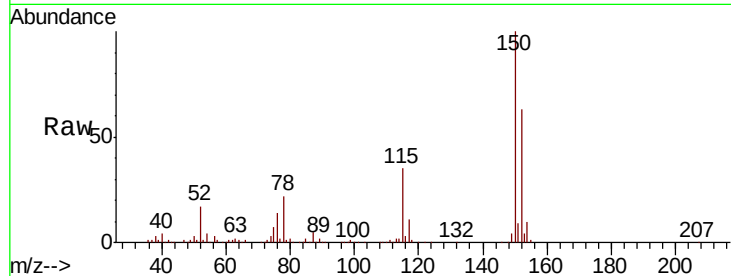
Tot Ion:152 Resp: 280249

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

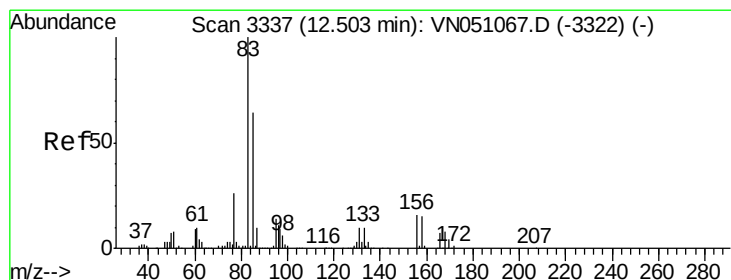
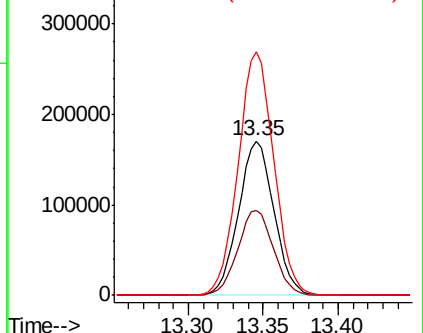
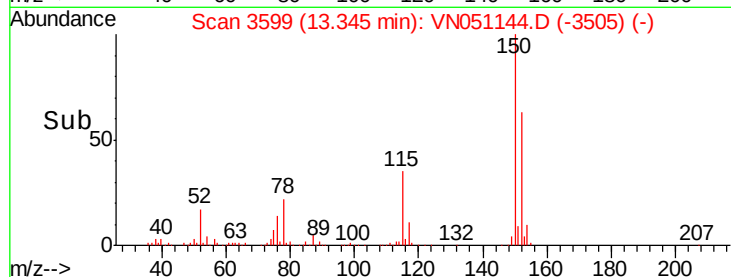
150 159.4 0.0 349.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

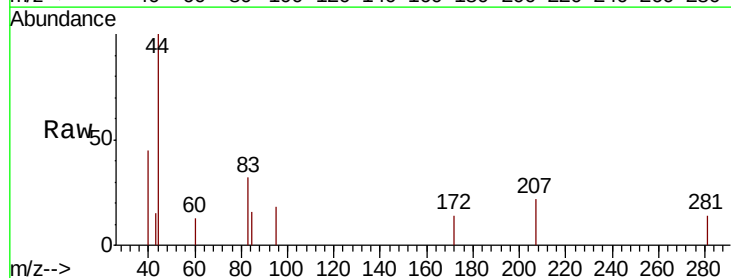
Tgt Ion: 83 Resp: 477

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

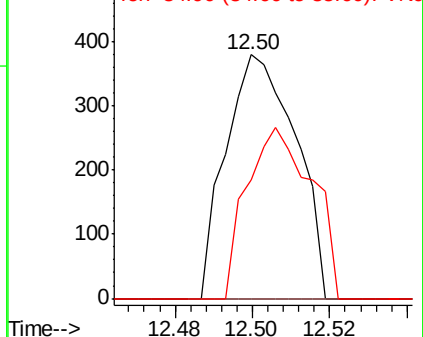
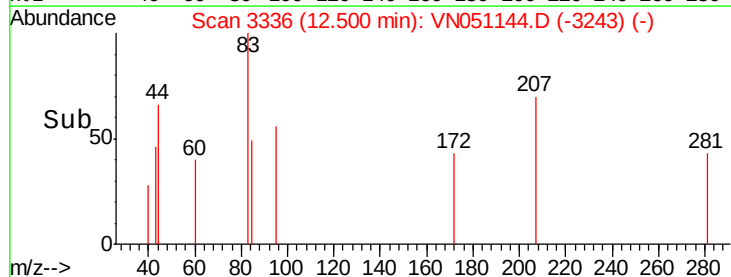
85 65.2 32.3 96.8

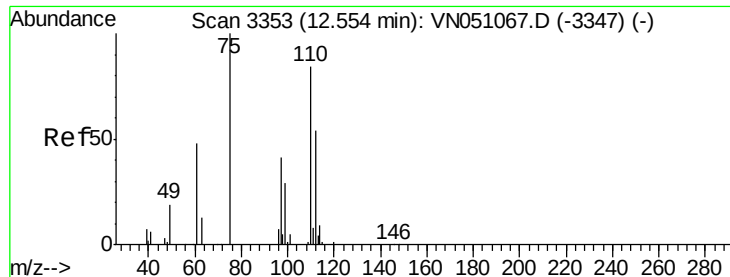


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.27 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

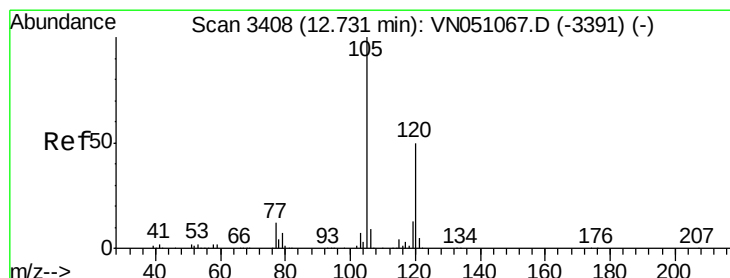
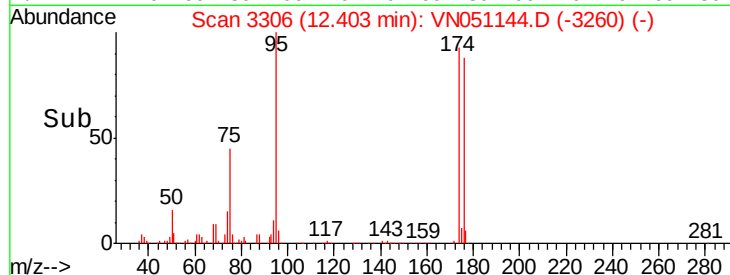
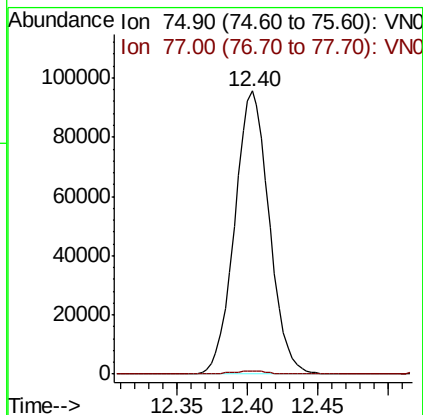
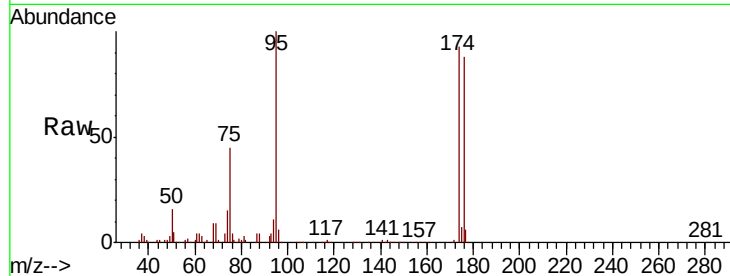
PB112767TB

Tot Ion: 75 Resp: 163599

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.28 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051144.D

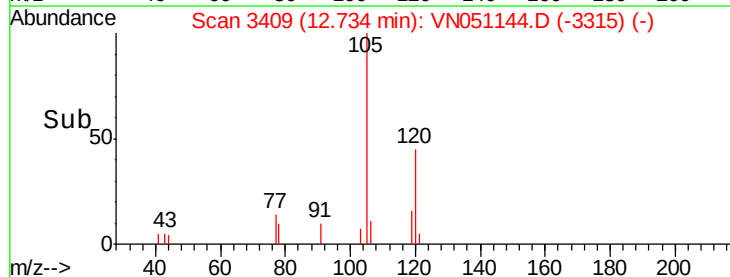
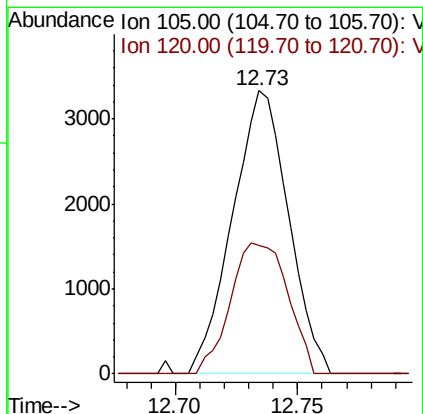
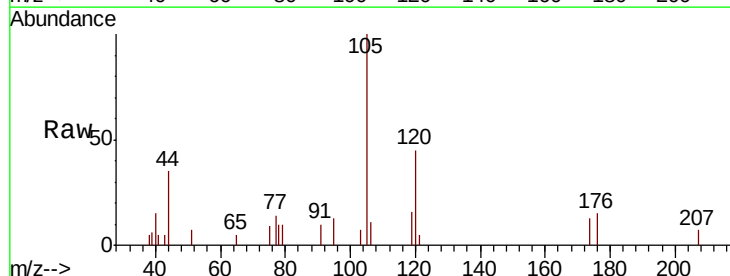
Acq: 12 Sep 2018 11:41

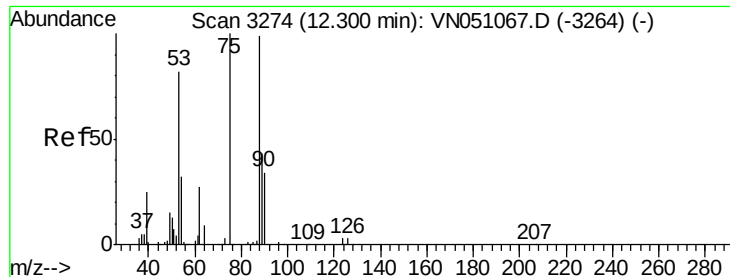
Tgt Ion: 105 Resp: 5313

Ion Ratio Lower Upper

105 100

120 47.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 110.87 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

PB112767TB

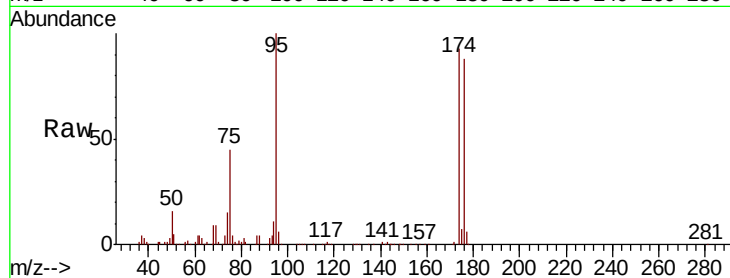
Tot Ion: 75 Resp: 163599

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

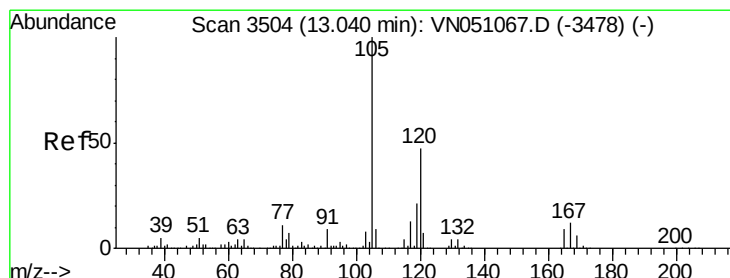
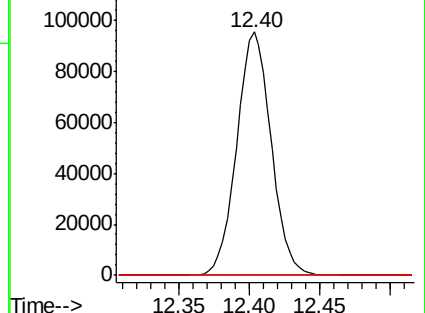
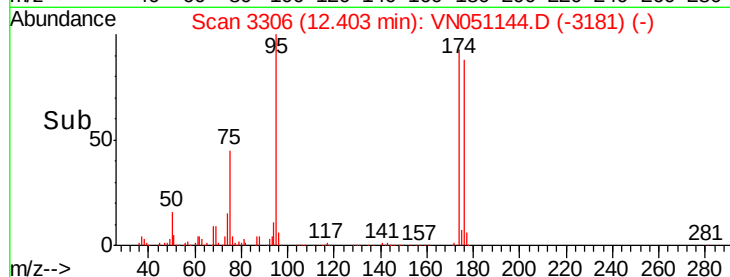
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN051067.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN051067.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.22 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN051144.D

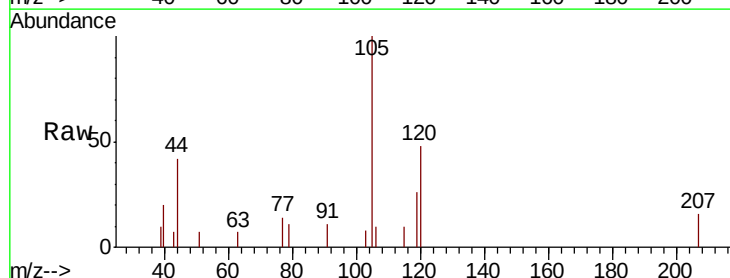
Acq: 12 Sep 2018 11:41

Tgt Ion: 105 Resp: 4061

Ion Ratio Lower Upper

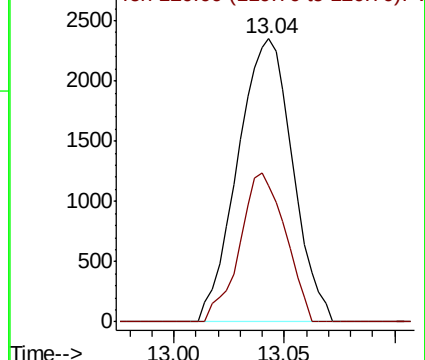
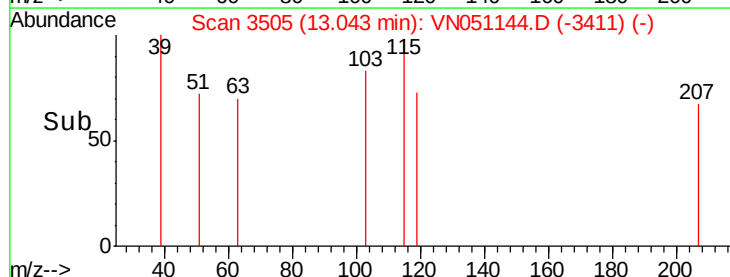
105 100

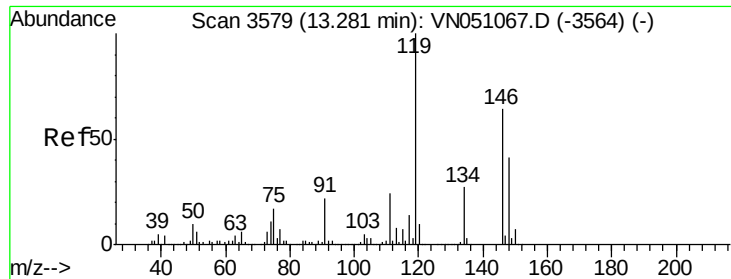
120 43.9 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3478) (-)

Ion 120.00 (119.70 to 120.70): VN051067.D (-3478) (-)





#87

1,3-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

PB112767TB

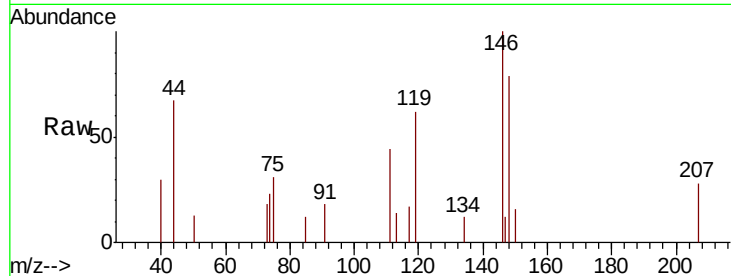
Tot Ion:146 Resp: 2334

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.1

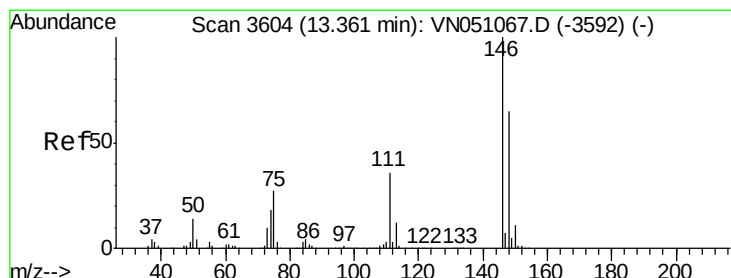
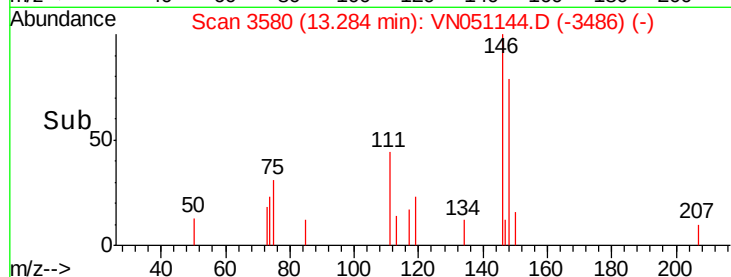
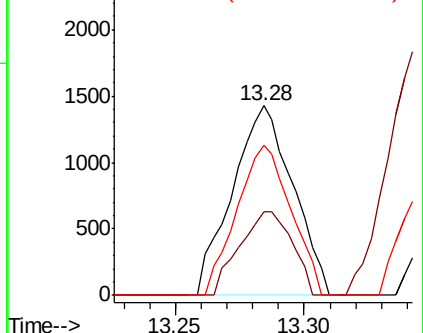
148 70.8 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.25 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

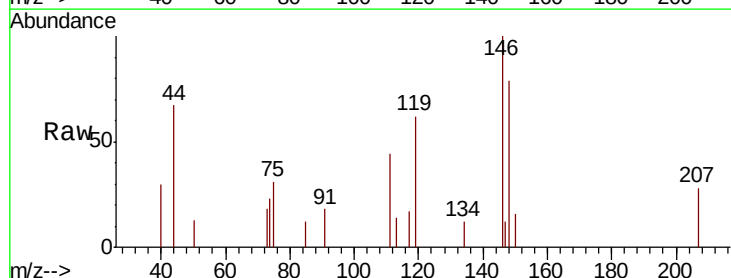
Tgt Ion:146 Resp: 2334

Ion Ratio Lower Upper

146 100

111 38.3 18.4 55.0

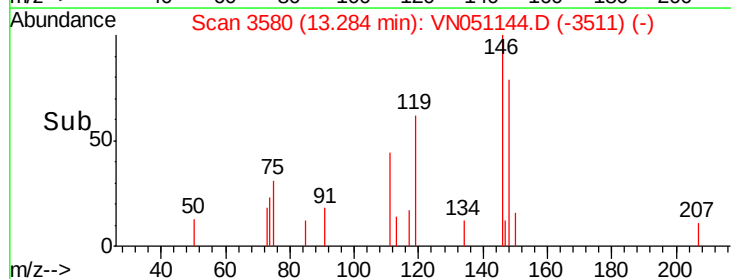
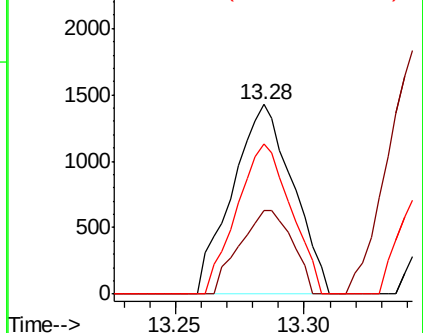
148 70.8 32.2 96.6

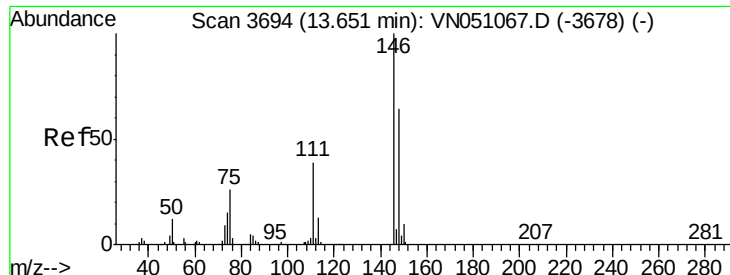


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

PB112767TB

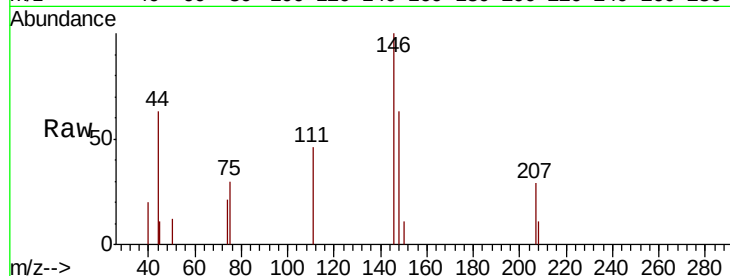
Tot Ion:146 Resp: 2309

Ion Ratio Lower Upper

146 100

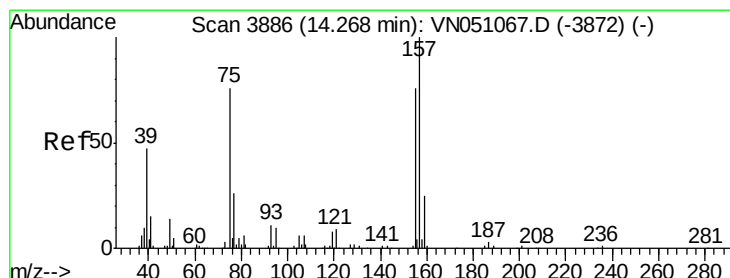
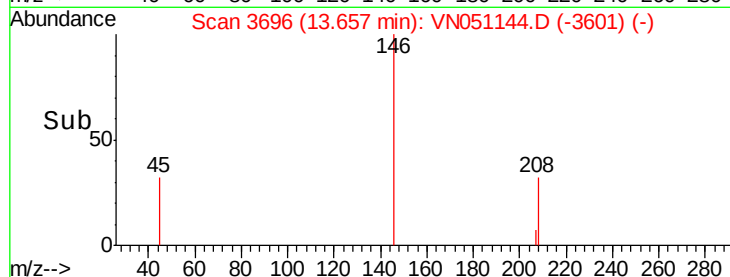
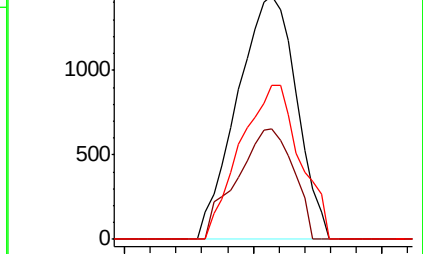
111 43.2 19.7 59.0

148 63.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

13.66



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.24 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

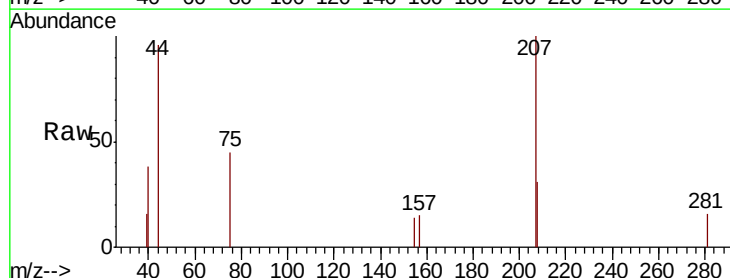
Tgt Ion: 75 Resp: 474

Ion Ratio Lower Upper

75 100

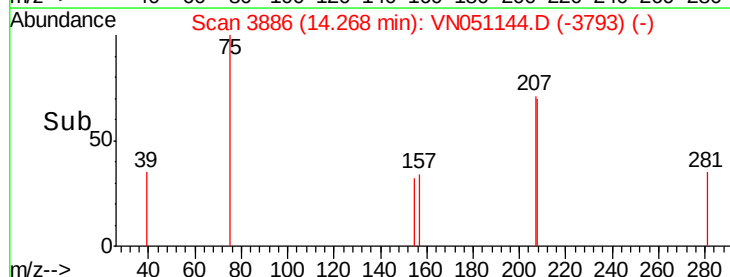
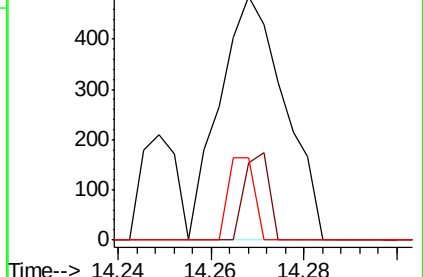
155 13.3 48.7 146.1#

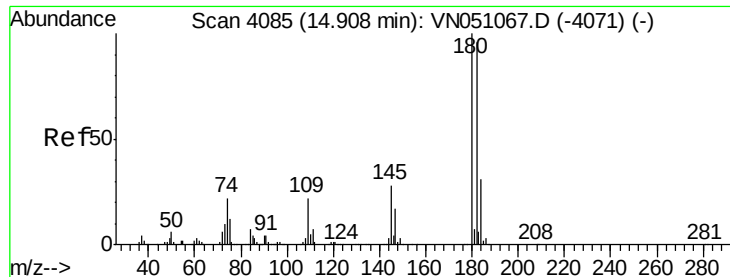
157 13.3 63.6 190.9#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

14.27

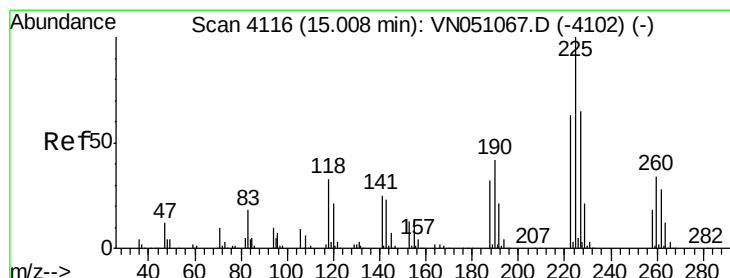
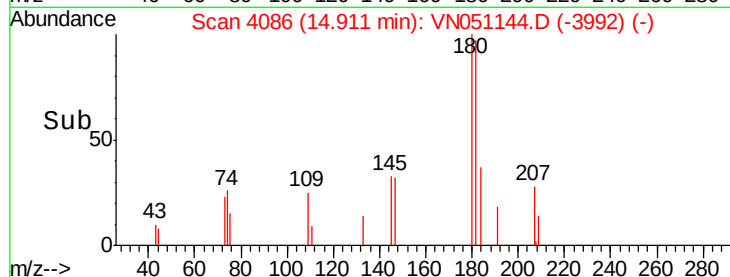
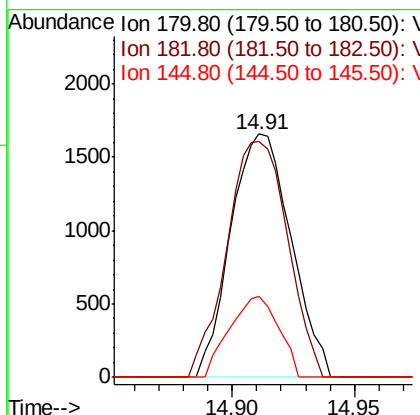
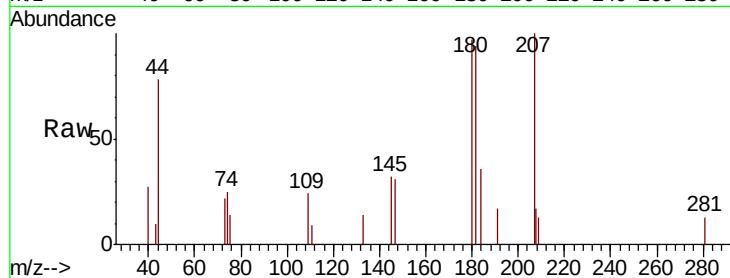




#93
 1,2,4-Trichlorobenzene
 Concen: 4.50 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051144.D
 Acq: 12 Sep 2018 11:41

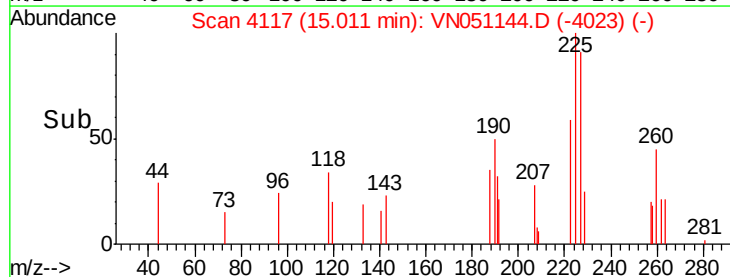
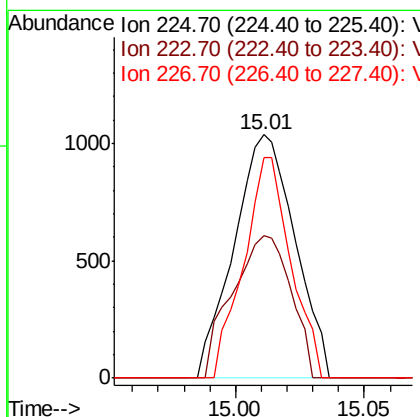
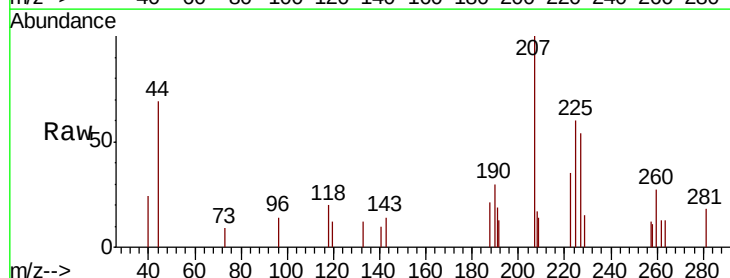
Instrument :
 MSVOA_N
 ClientSampled :
 PB112767TB

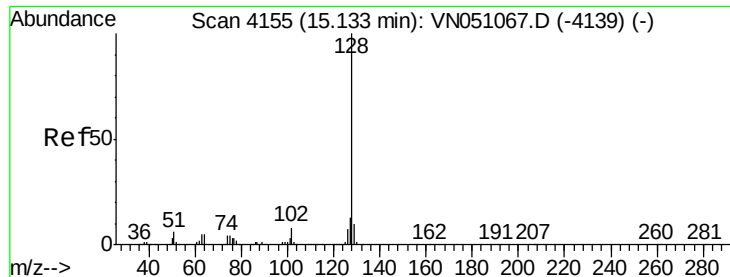
Tot Ion:180 Resp: 2842
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.3 141.8
 145 27.0 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051144.D
 Acq: 12 Sep 2018 11:41

Tgt Ion:225 Resp: 1711
 Ion Ratio Lower Upper
 225 100
 223 56.5 31.4 94.0
 227 70.1 32.1 96.3





#95

Naphthalene

Concen: 6.00 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

PB112767TB

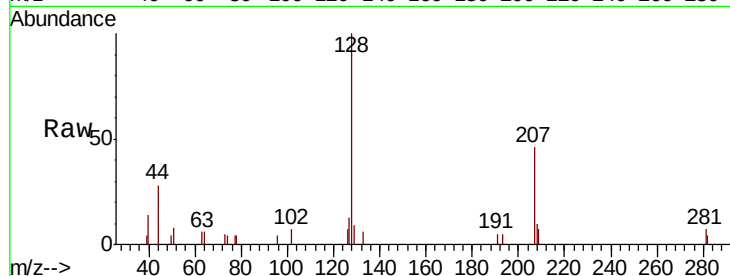
Tot Ion:128 Resp: 7738

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

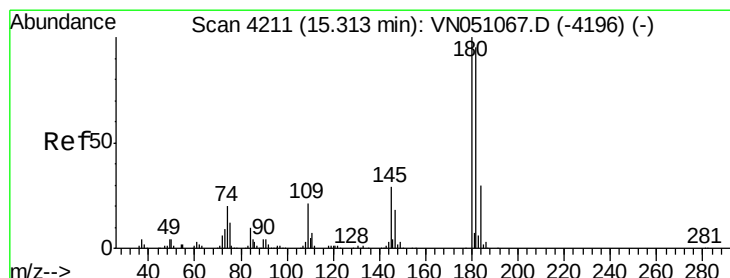
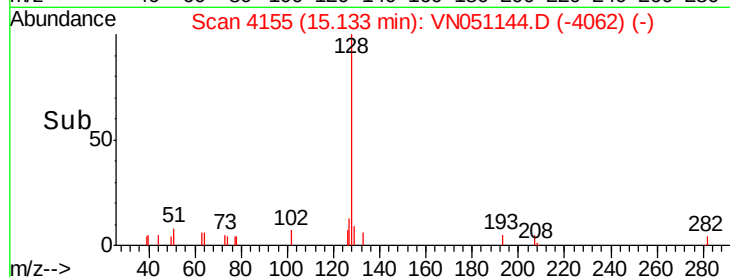
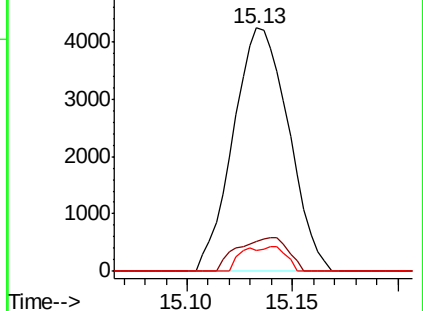
129 3.5 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.61 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051144.D

Acq: 12 Sep 2018 11:41

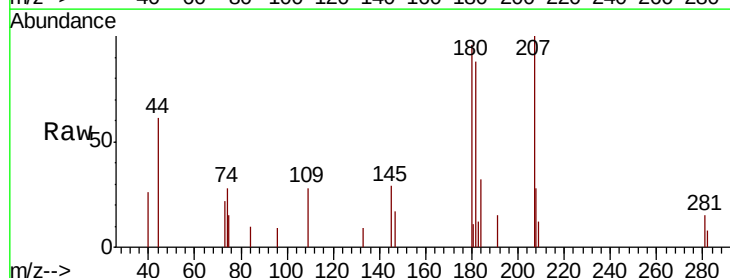
Tgt Ion:180 Resp: 3391

Ion Ratio Lower Upper

180 100

182 91.2 47.8 143.3

145 32.4 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

