

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050602.D
 Acq On : 14 Aug 2018 15:11
 Operator : MD\SY
 Sample : PB112007ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112007ZHE#03

Quant Time: Aug 15 07:08:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1020709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	847581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	265829	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	421140	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
35) Dibromofluoromethane	7.59	113	395245	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	10.09	98	1393749	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
62) 4-Bromofluorobenzene	12.40	95	355329	35.07	ug/l	0.00
Spiked Amount			Recovery	=	70.14%	

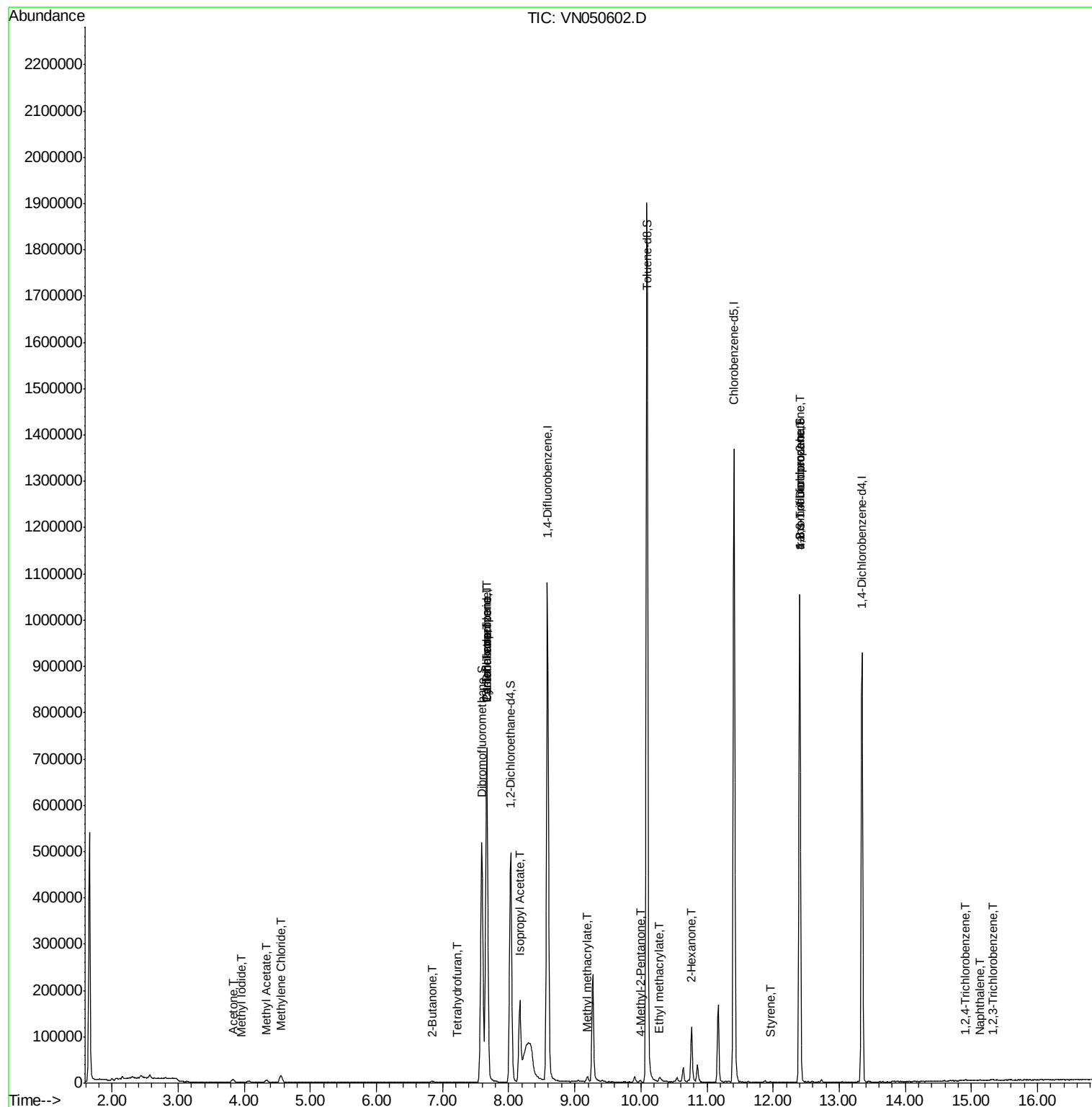
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2627	Below Cal		100
5) Bromomethane	2.57	94	3741	Below Cal	#	80
6) Chloroethane	2.69	64	194	Below Cal	#	43
10) Methyl Iodide	3.96	142	1802	7.244	ug/l #	79
16) Acetone	3.83	43	13547	5.509	ug/l	98
18) Methyl Acetate	4.33	43	9529	0.752	ug/l	97
20) Methylene Chloride	4.56	84	12086	0.361	ug/l	98
25) 2-Butanone	6.84	43	2637	0.821	ug/l #	48
29) Tetrahydrofuran	7.21	42	480	0.286	ug/l #	33
31) Cyclohexane	7.67	56	11590	0.635	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44374	3.905	ug/l #	48
38) Carbon Tetrachloride	7.67	117	55604	4.717	ug/l #	17
43) Isopropyl Acetate	8.17	43	221430	18.918	ug/l	98
48) Methyl methacrylate	9.18	41	6883	1.169	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	2287	0.289	ug/l #	83
56) Ethyl methacrylate	10.27	69	63	1.911	ug/l #	1
59) 2-Hexanone	10.77	43	17172	3.361	ug/l #	58
70) Styrene	11.96	104	551	0.965	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.41	83	110	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	168575	39.024	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	168575	140.984	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	325	2.738	ug/l #	12
95) Naphthalene	15.13	128	1724	4.016	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.32	180	717	2.092	ug/l #	85

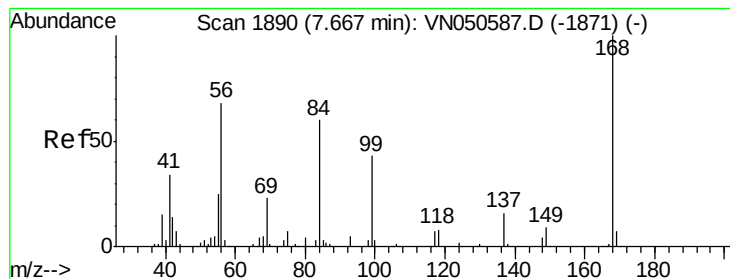
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB112007ZHE#03
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ClientSampleId :
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Quant Time: Aug 15 07:08:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

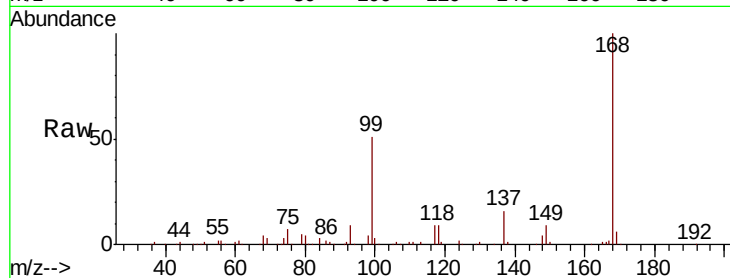
PB112007ZHE#03

Tgt Ion:168 Resp: 621439

Ion Ratio Lower Upper

168 100

99 50.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

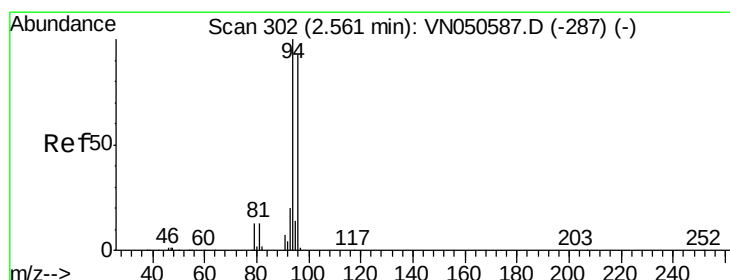
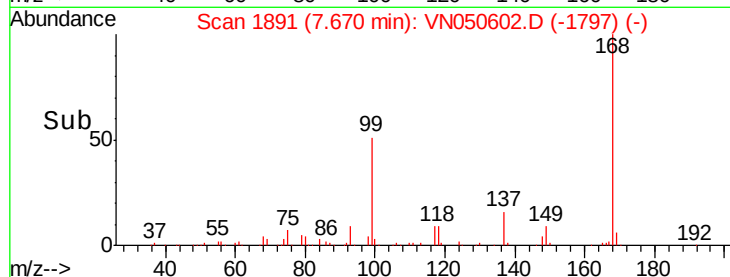
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050602.D

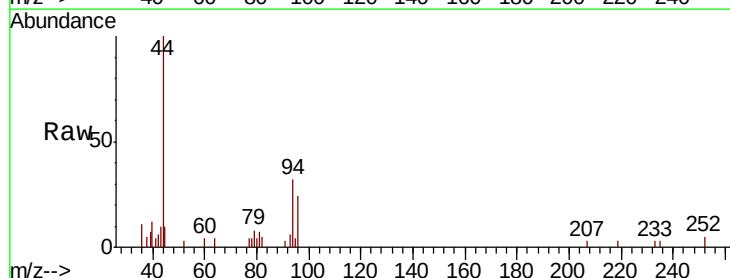
Acq: 14 Aug 2018 15:11

Tgt Ion: 94 Resp: 3741

Ion Ratio Lower Upper

94 100

96 73.4 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

2000

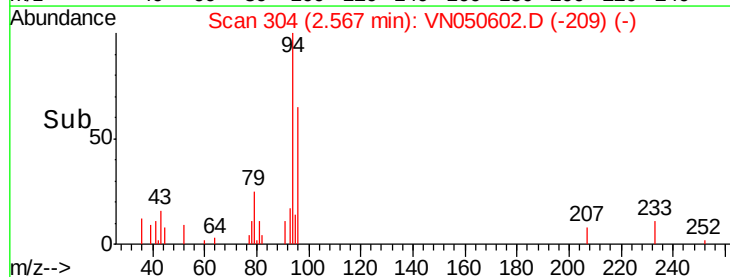
1500

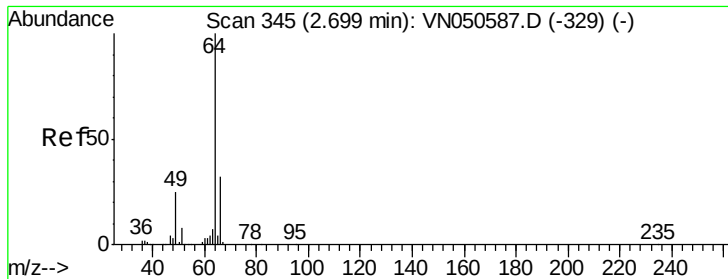
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 343

Delta R.T. -0.01 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

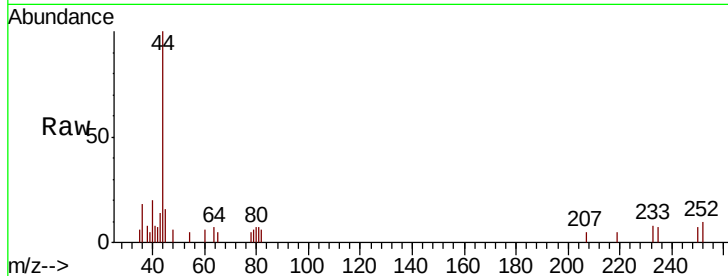
PB112007ZHE#03

Tgt Ion: 64 Resp: 194

Ion Ratio Lower Upper

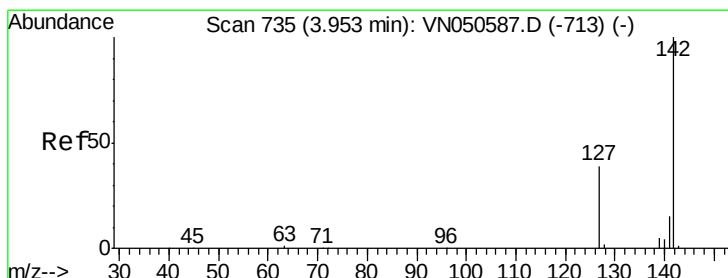
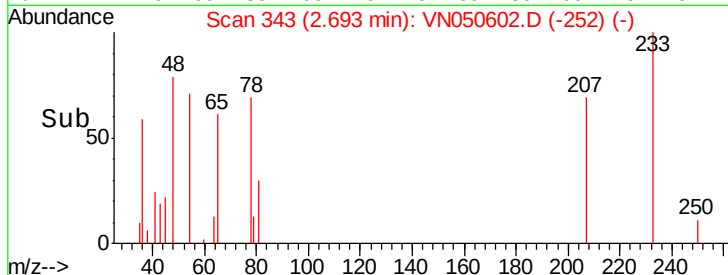
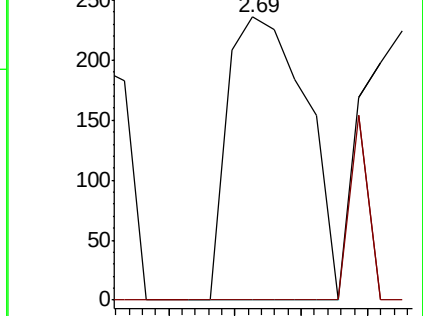
64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#10

Methyl Iodide

Concen: 7.244 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

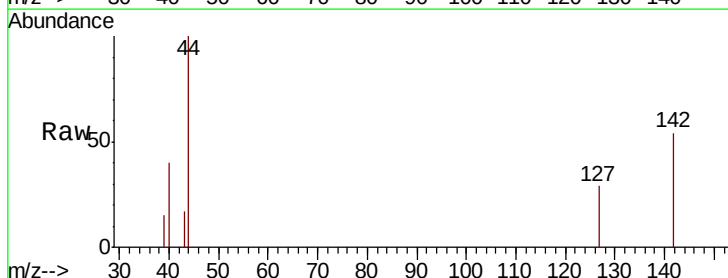
Tgt Ion: 142 Resp: 1802

Ion Ratio Lower Upper

142 100

127 30.5 32.6 49.0#

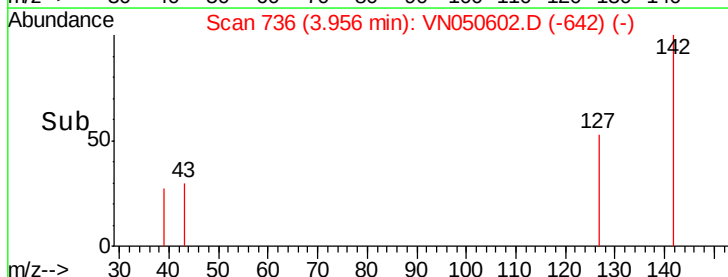
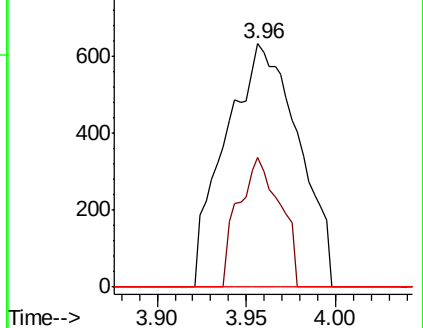
141 0.0 11.5 17.3#

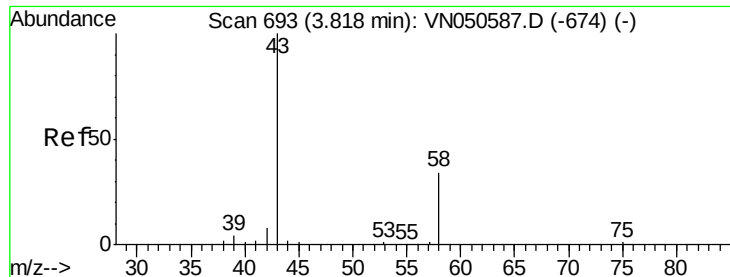


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 5.509 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

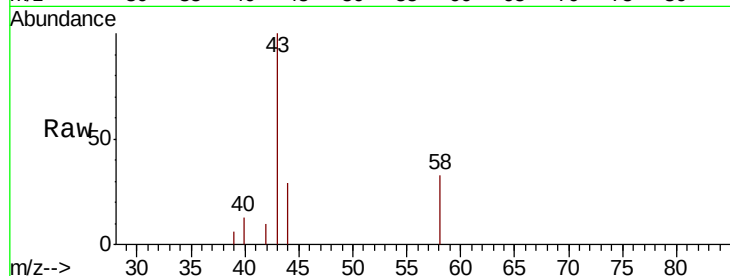
PB112007ZHE#03

Tgt Ion: 43 Resp: 13547

Ion Ratio Lower Upper

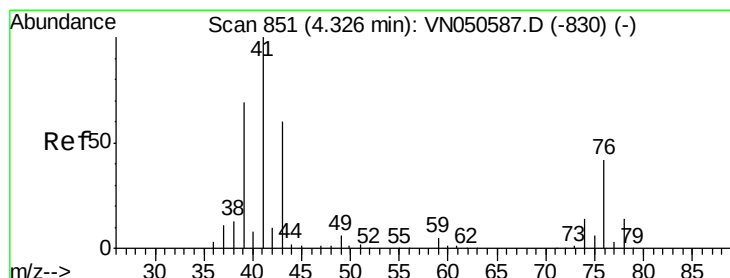
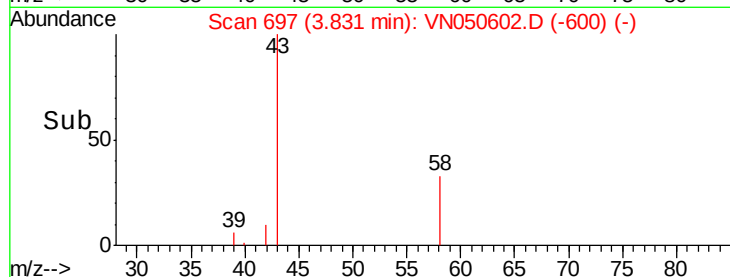
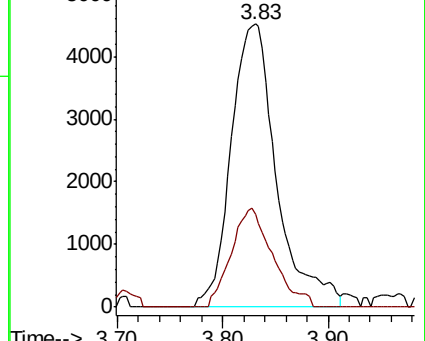
43 100

58 32.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050602.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN050602.D (-600) (-)



#18

Methyl Acetate

Concen: 0.752 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN050602.D

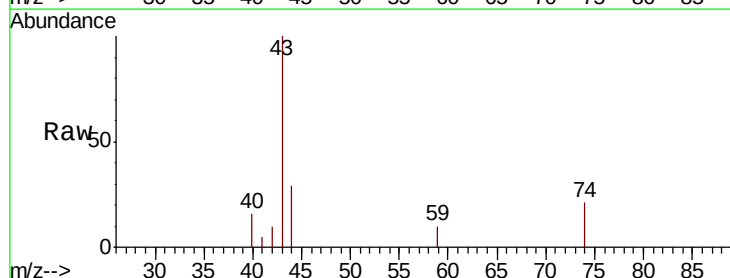
Acq: 14 Aug 2018 15:11

Tgt Ion: 43 Resp: 9529

Ion Ratio Lower Upper

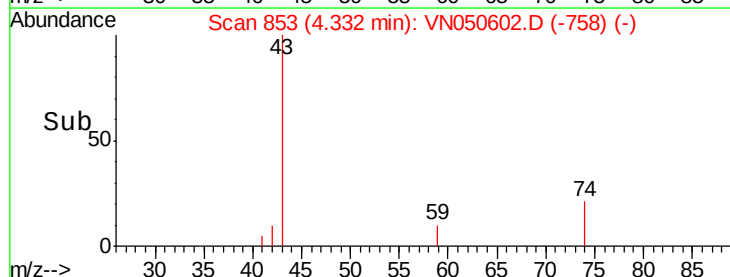
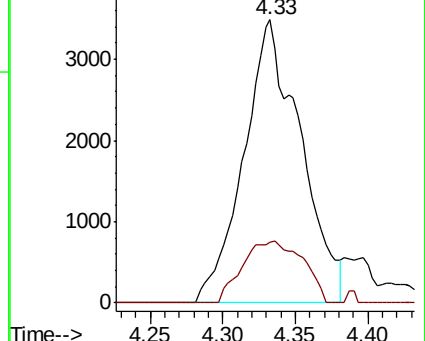
43 100

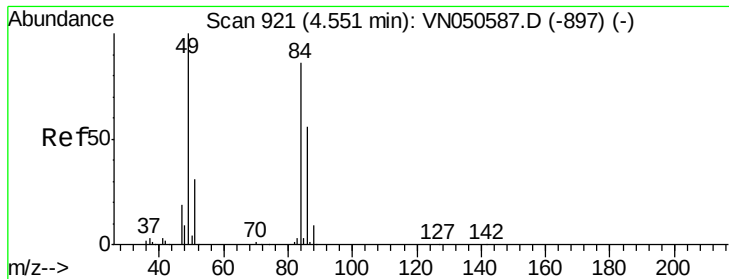
74 23.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN050602.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN050602.D (-758) (-)





#20

Methylene Chloride

Concen: 0.361 ug/l

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB112007ZHE#03

Tgt Ion: 84 Resp: 12086

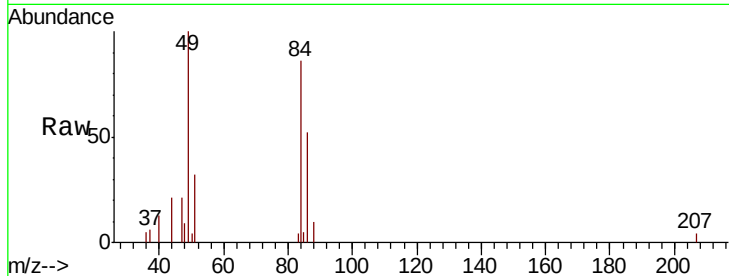
Ion Ratio Lower Upper

84 100

49 115.9 92.6 138.8

51 37.4 28.6 43.0

86 60.2 52.2 78.2

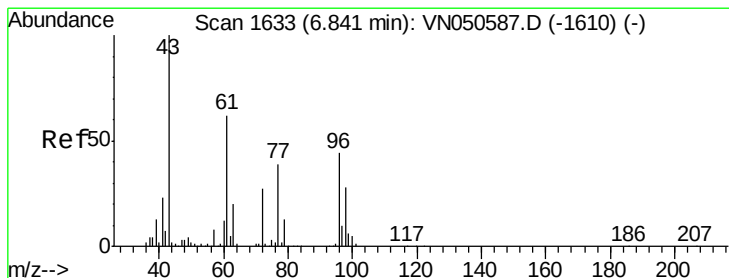
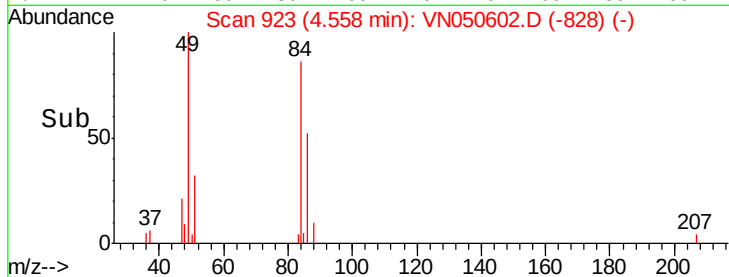
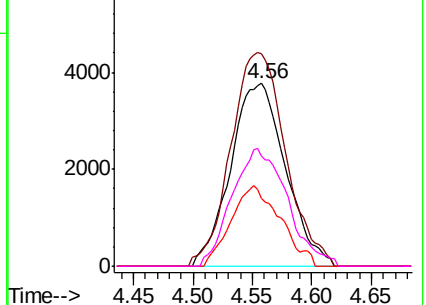


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.821 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050602.D

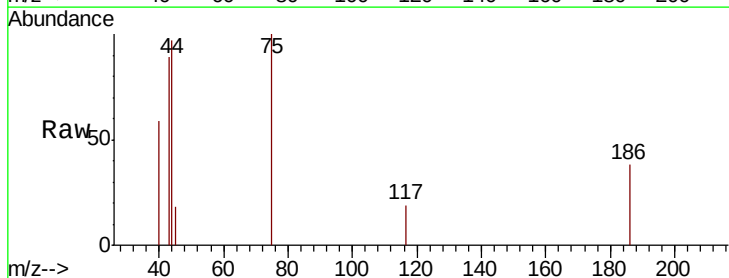
Acq: 14 Aug 2018 15:11

Tgt Ion: 43 Resp: 2637

Ion Ratio Lower Upper

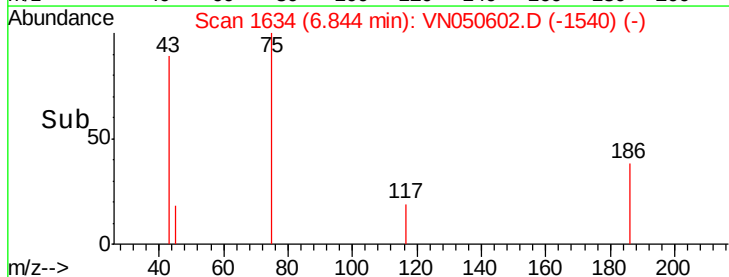
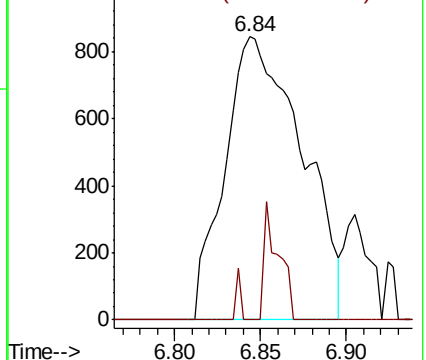
43 100

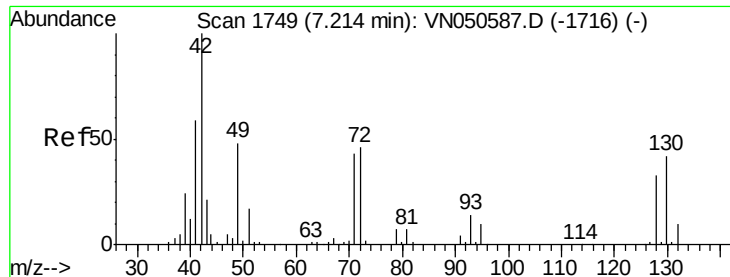
72 0.0 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB112007ZHE#03

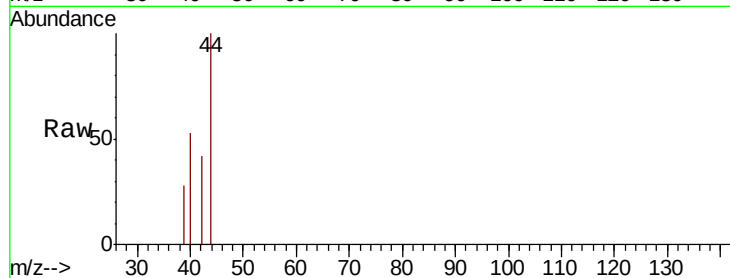
Tgt Ion: 42 Resp: 480

Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.6#

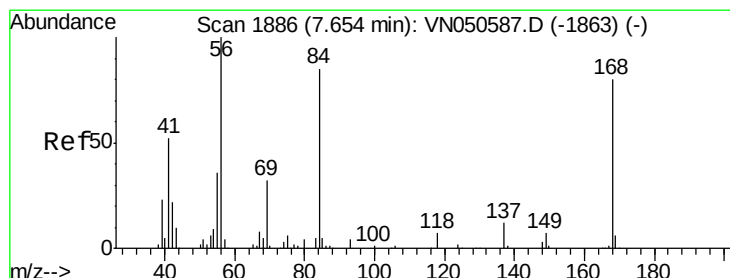
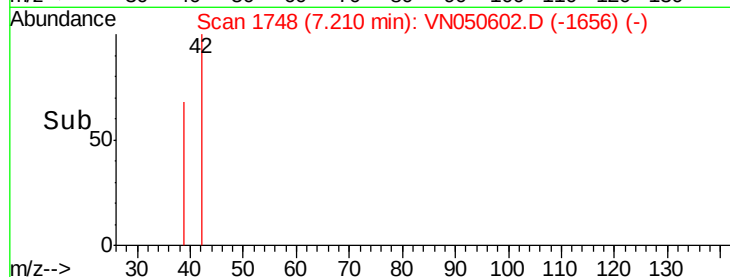
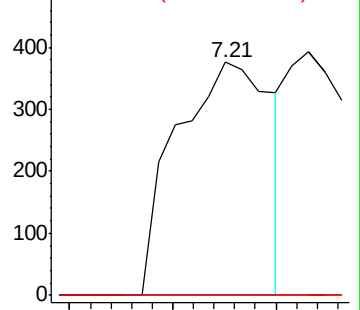
71 0.0 33.4 50.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.635 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

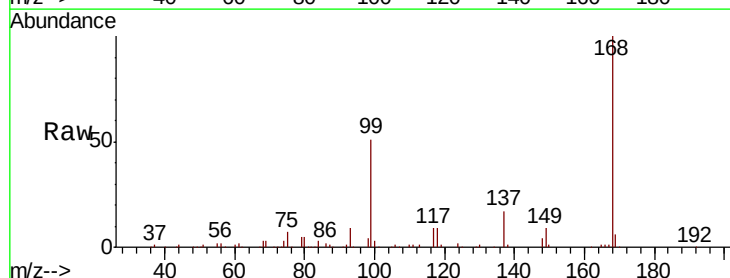
Tgt Ion: 56 Resp: 11590

Ion Ratio Lower Upper

56 100

69 170.6 25.8 38.6#

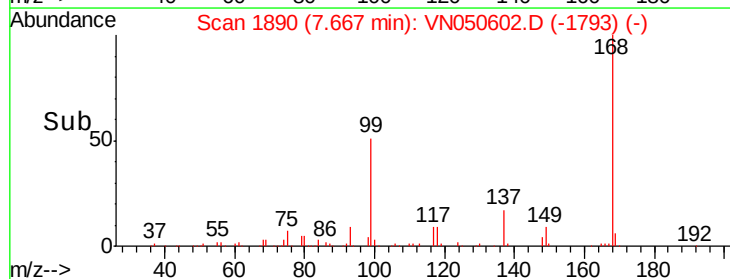
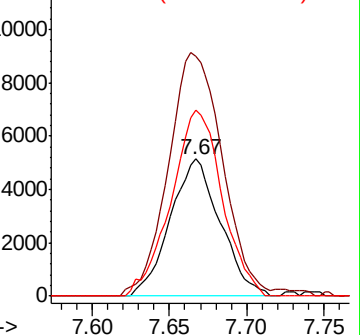
84 136.2 67.8 101.6#

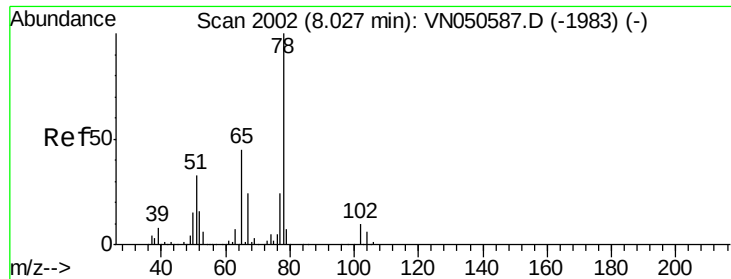


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

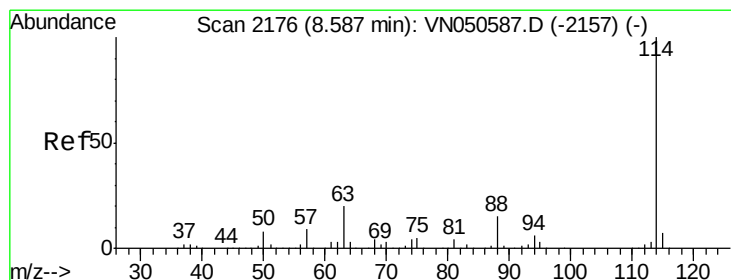
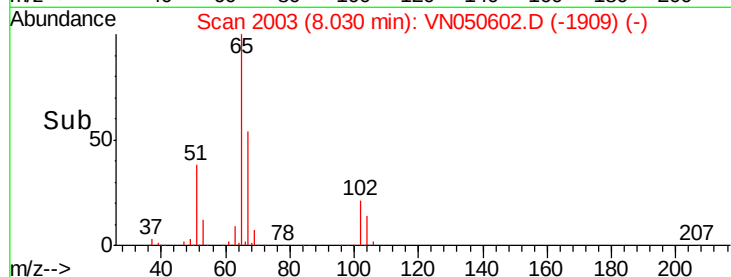
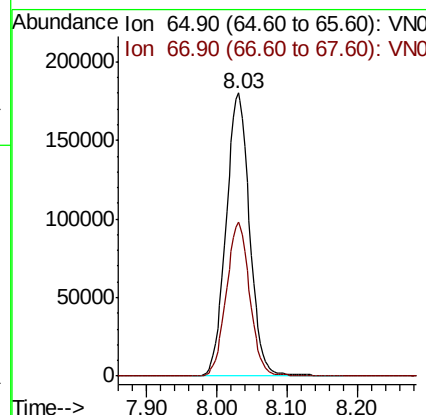
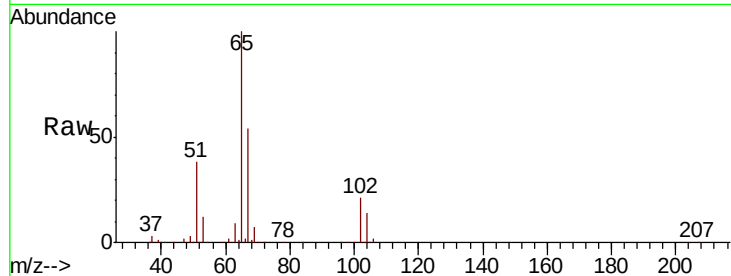




#33
 1,2-Dichloroethane-d4
 Concen: 53.763 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050602.D
 Acq: 14 Aug 2018 15:11

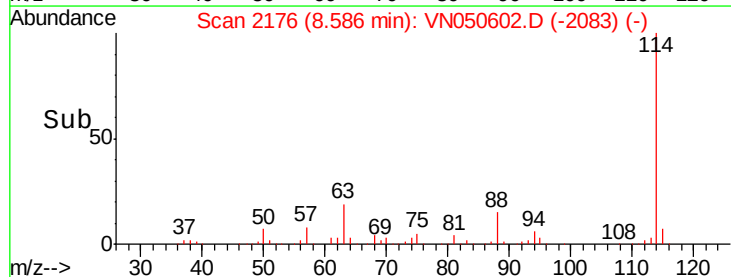
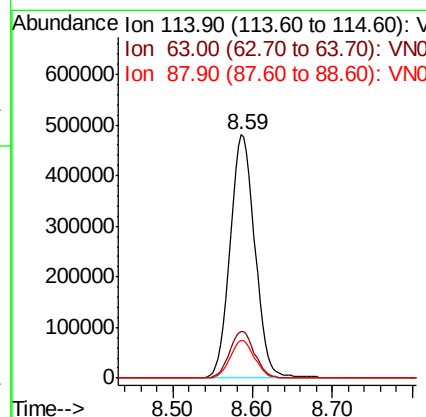
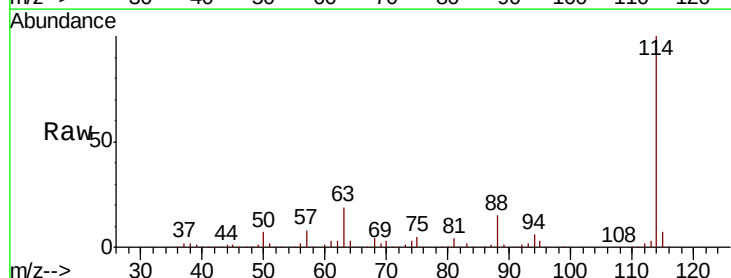
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112007ZHE#03

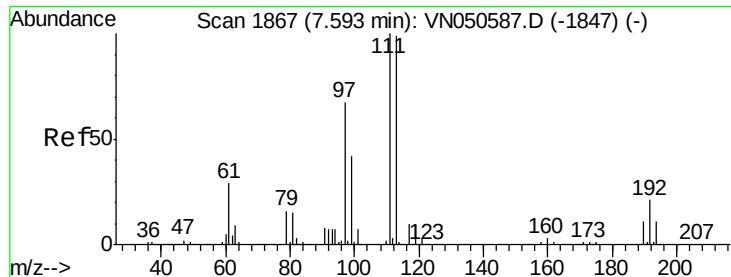
Tgt Ion: 65 Resp: 421140
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050602.D
 Acq: 14 Aug 2018 15:11

Tgt Ion: 114 Resp: 1020709
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.5 0.0 30.8

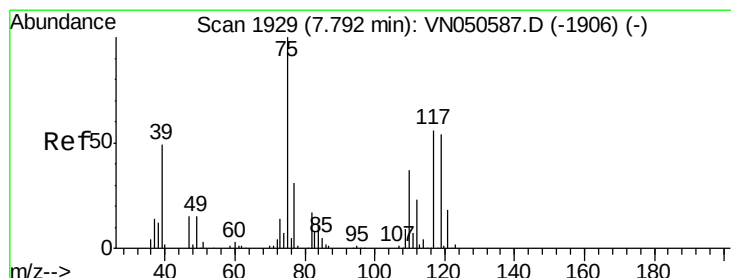
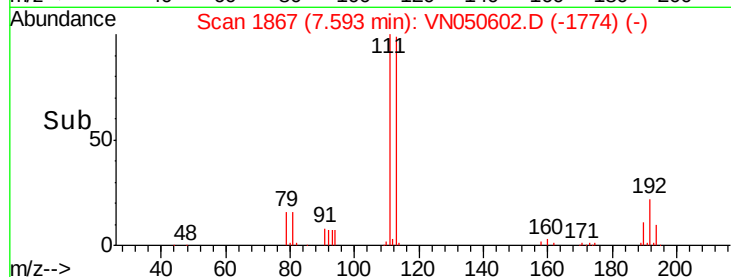
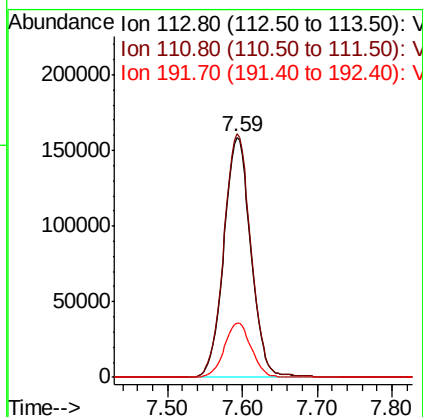
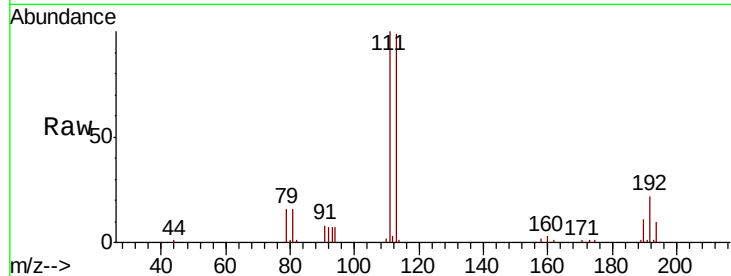




#35
 Dibromofluoromethane
 Concen: 48.502 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050602.D
 Acq: 14 Aug 2018 15:11

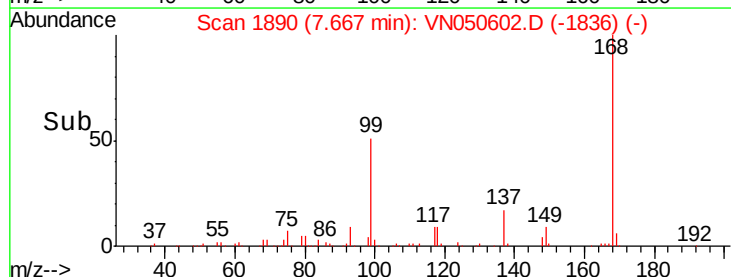
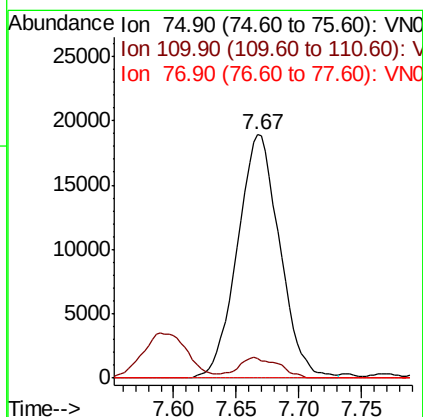
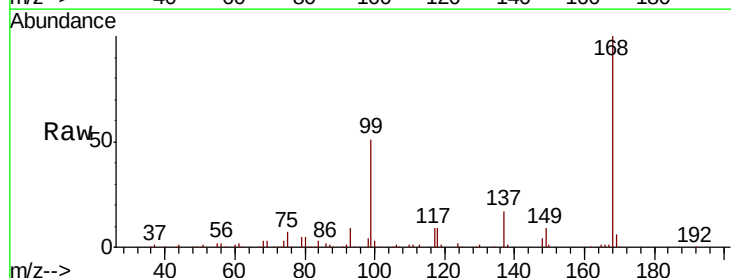
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112007ZHE#03

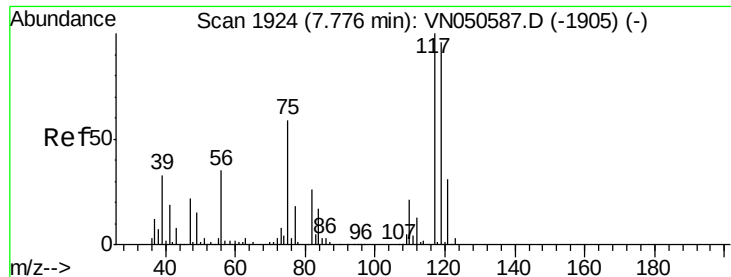
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.6
192	22.6	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 3.905 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050602.D
 Acq: 14 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.3	54.9#
77	0.0	25.0	37.4#

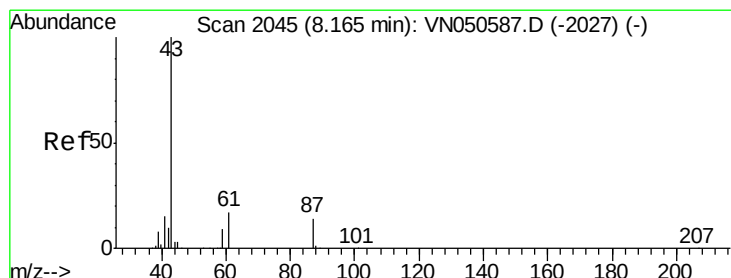
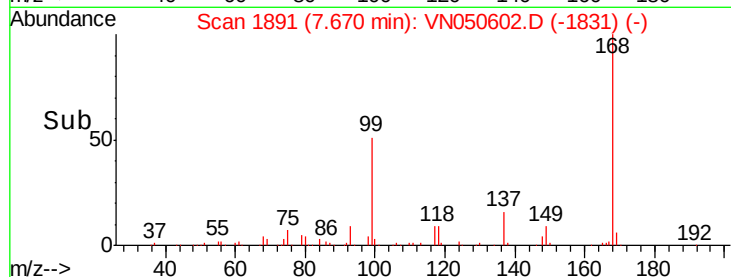
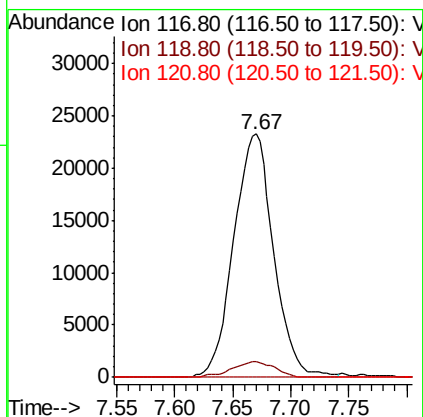
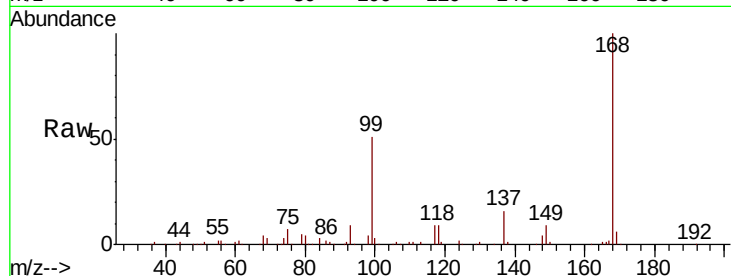




#38
Carbon Tetrachloride
Concen: 4.717 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050602.D
Acq: 14 Aug 2018 15:11

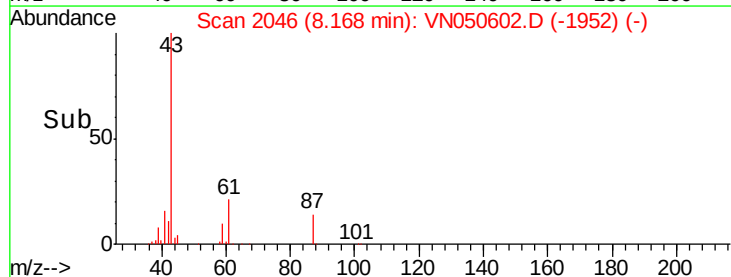
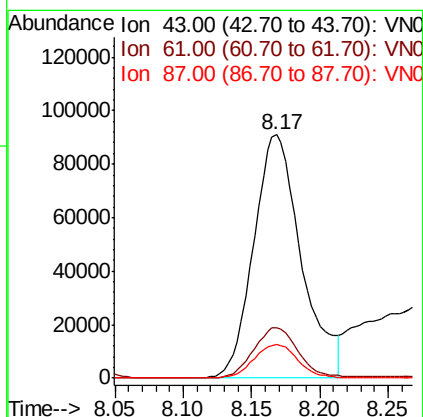
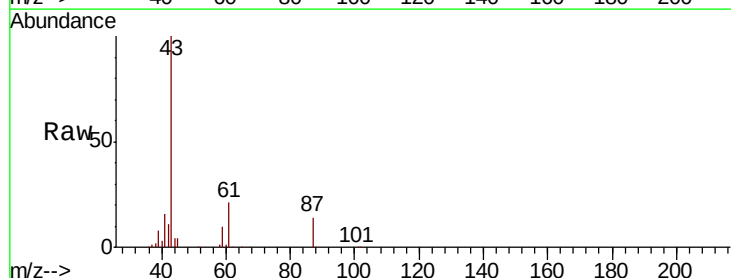
Instrument :
MSVOA_N
ClientSampleId :
PB112007ZHE#03

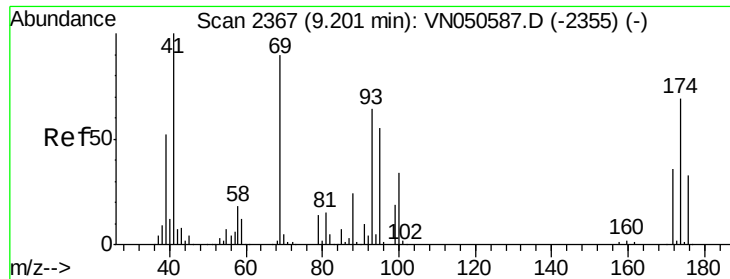
Tgt Ion:117 Resp: 55604
Ion Ratio Lower Upper
117 100
119 6.4 76.6 115.0#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 18.918 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050602.D
Acq: 14 Aug 2018 15:11

Tgt Ion: 43 Resp: 221430
Ion Ratio Lower Upper
43 100
61 19.4 16.2 24.2
87 12.8 10.9 16.3

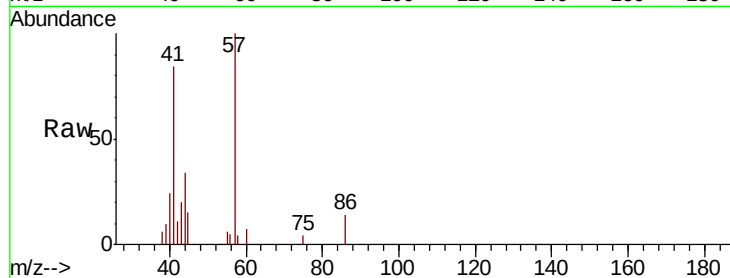




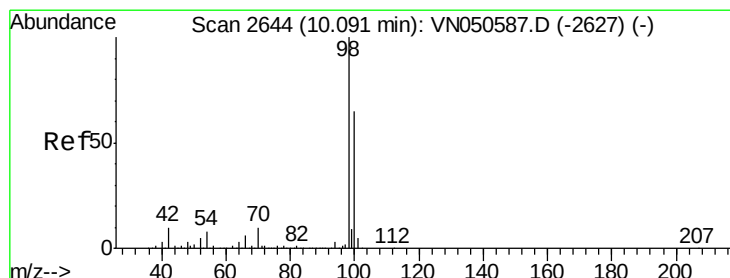
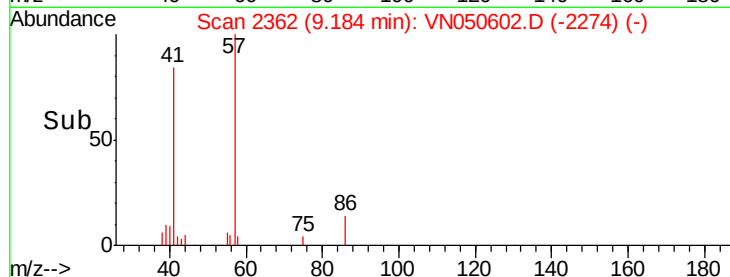
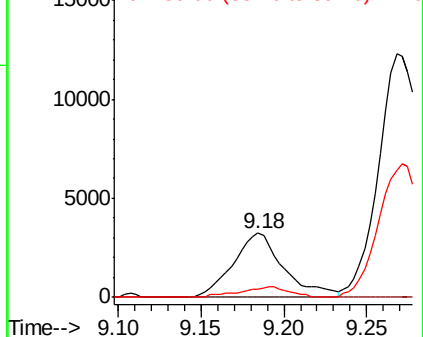
#48
Methyl methacrylate
Concen: 1.169 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050602.D
Acq: 14 Aug 2018 15:11

Instrument :
MSVOA_N
ClientSampleId :
PB112007ZHE#03

Tgt Ion: 41 Resp: 6883
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 15.6 43.0 64.6#

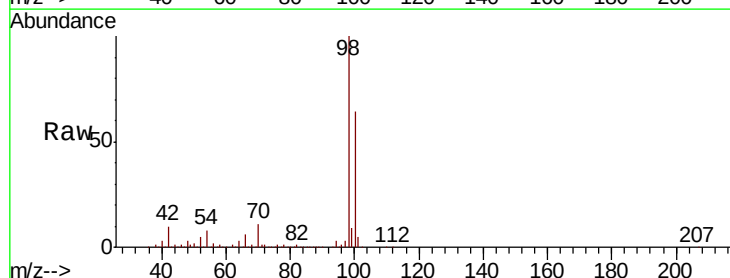


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

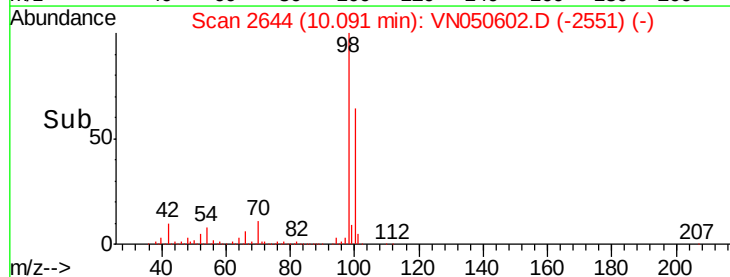
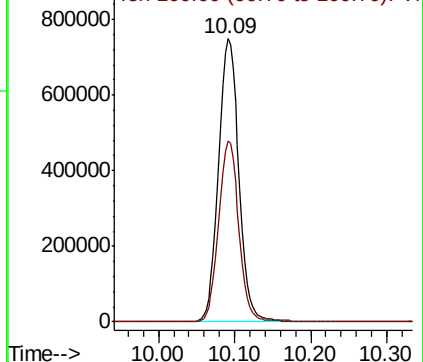


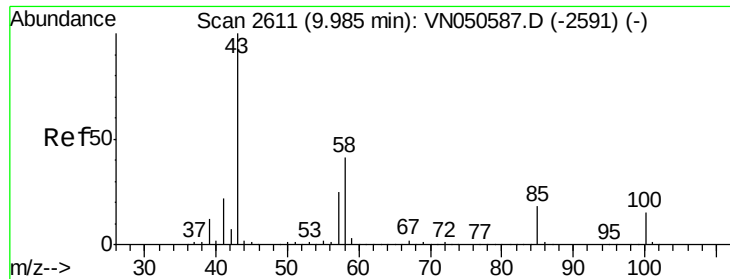
#50
Toluene-d8
Concen: 45.445 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050602.D
Acq: 14 Aug 2018 15:11

Tgt Ion: 98 Resp: 1393749
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.289 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

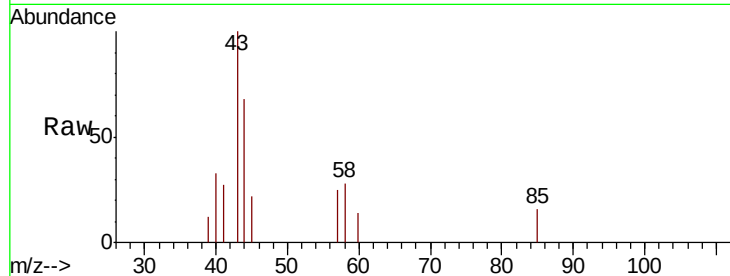
PB112007ZHE#03

Tgt Ion: 43 Resp: 2287

Ion Ratio Lower Upper

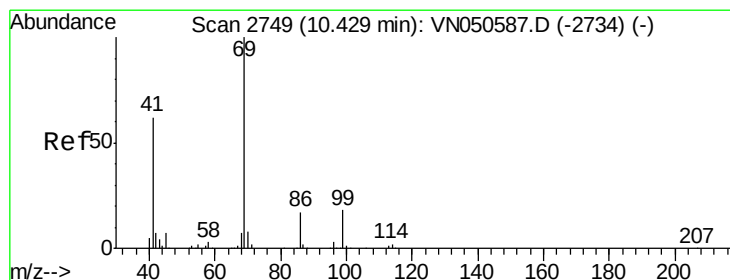
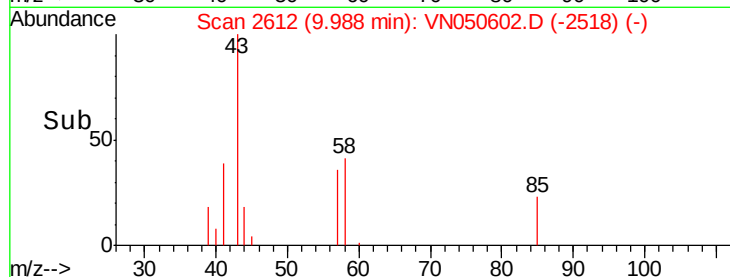
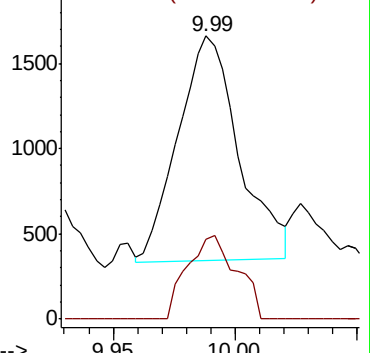
43 100

58 30.2 32.5 48.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 1.911 ug/l

RT: 10.27 min Scan# 2699

Delta R.T. -0.16 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

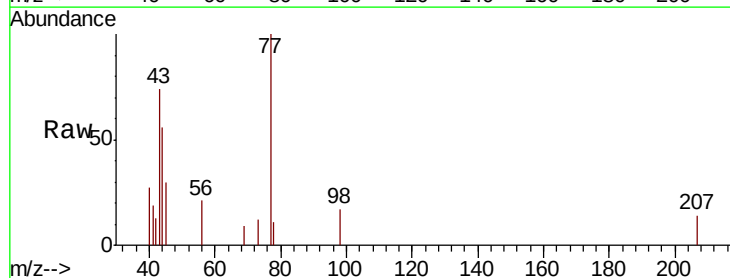
Tgt Ion: 69 Resp: 63

Ion Ratio Lower Upper

69 100

41 582.5 49.7 74.5#

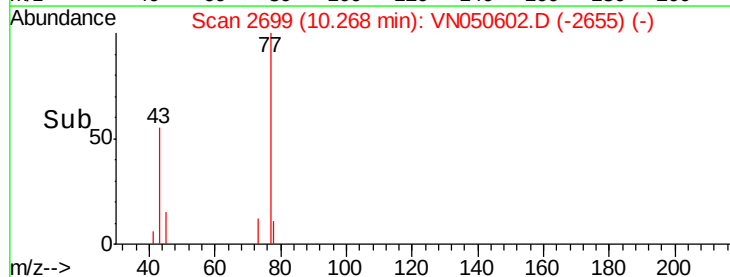
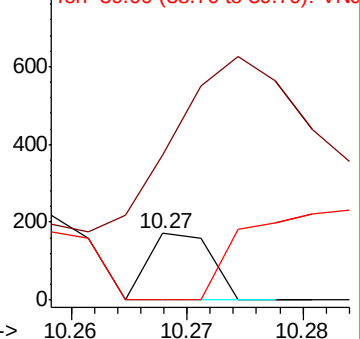
39 449.2 24.2 36.2#

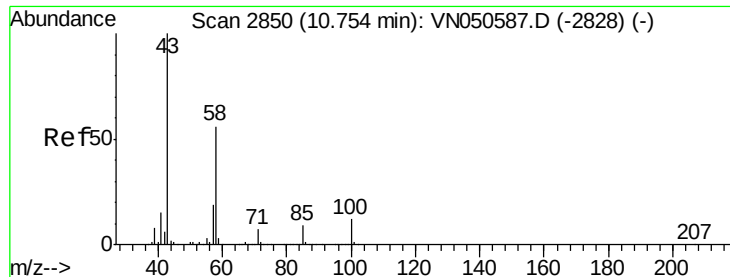


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 3.361 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

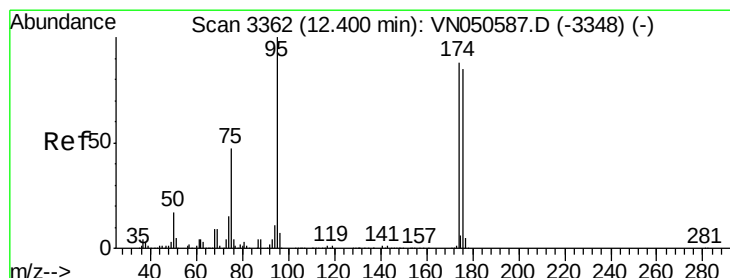
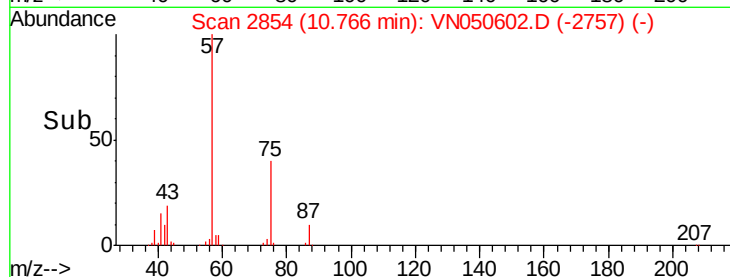
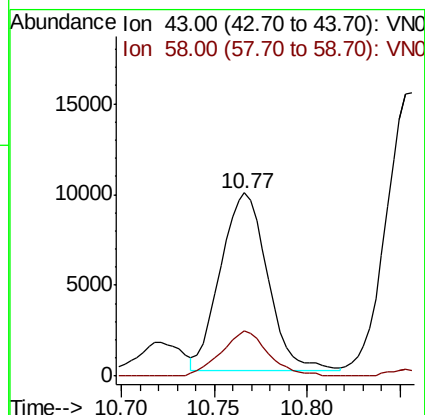
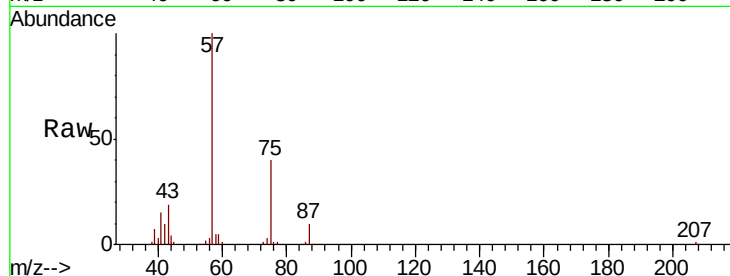
PB112007ZHE#03

Tgt Ion: 43 Resp: 17172

Ion Ratio Lower Upper

43 100

58 25.6 28.0 84.0#



#62

4-Bromofluorobenzene

Concen: 35.070 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

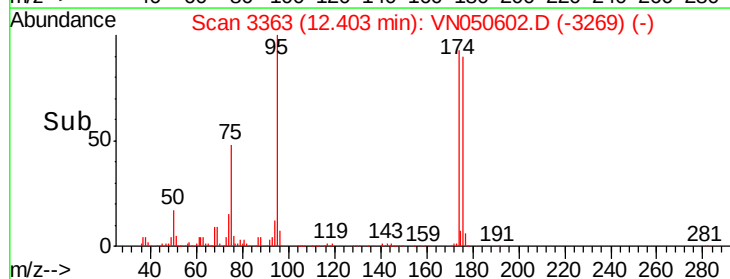
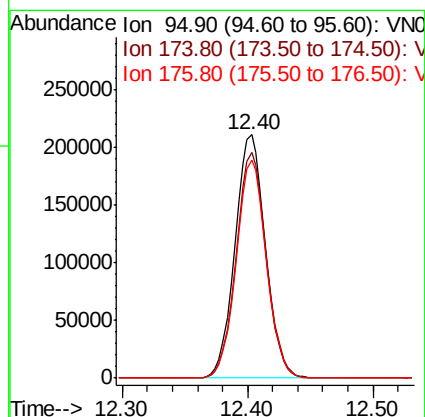
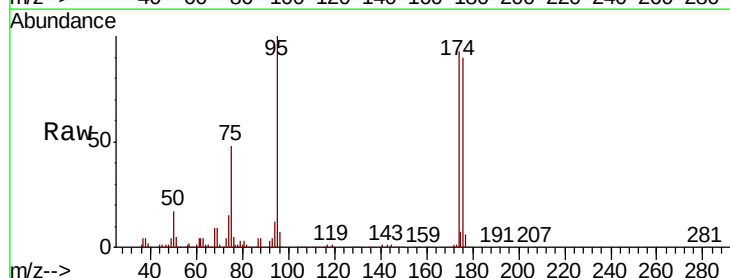
Tgt Ion: 95 Resp: 355329

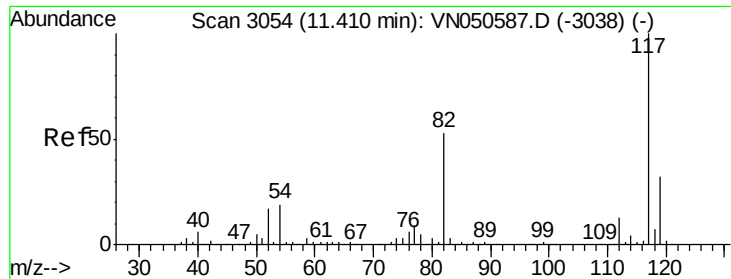
Ion Ratio Lower Upper

95 100

174 91.9 0.0 177.8

176 88.4 0.0 175.0

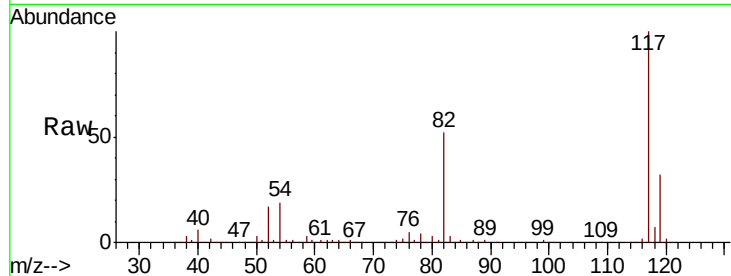




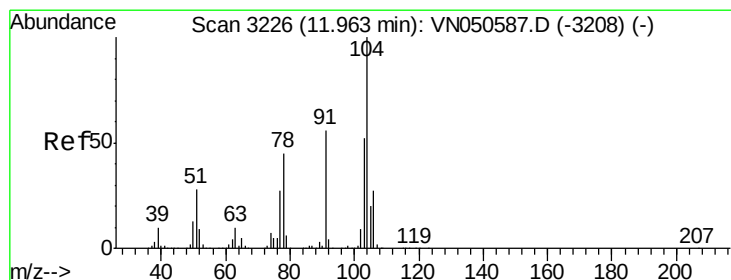
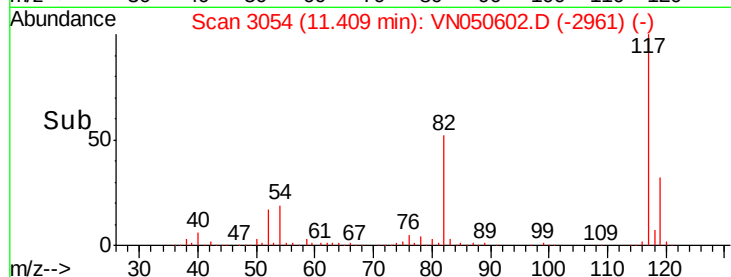
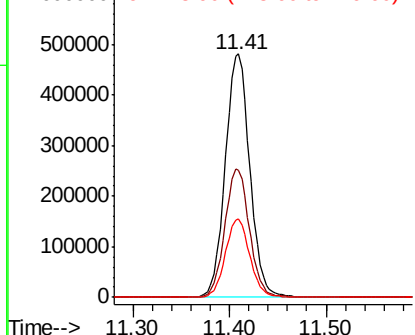
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050602.D
Acq: 14 Aug 2018 15:11

Instrument :
MSVOA_N
ClientSampleId :
PB112007ZHE#03

Tgt Ion:117 Resp: 847581
Ion Ratio Lower Upper
117 100
82 52.5 42.4 63.6
119 32.1 25.8 38.8

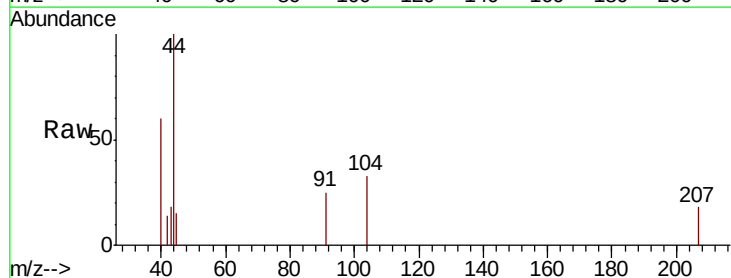


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

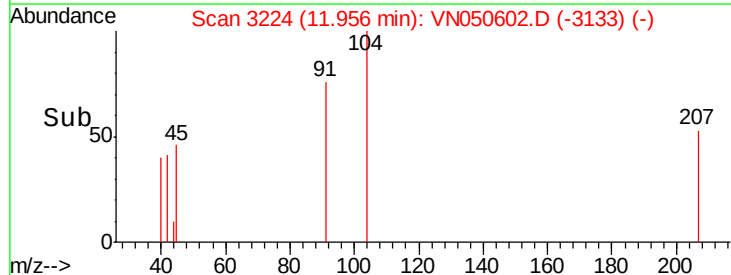
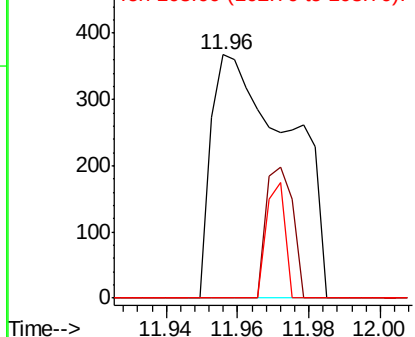


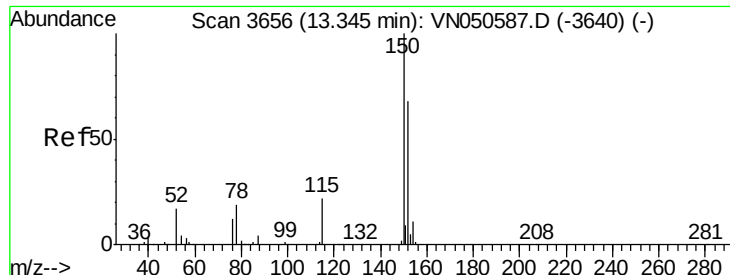
#70
Styrene
Concen: 0.965 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VN050602.D
Acq: 14 Aug 2018 15:11

Tgt Ion:104 Resp: 551
Ion Ratio Lower Upper
104 100
78 18.7 39.1 58.7#
103 11.4 44.9 67.3#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB112007ZHE#03

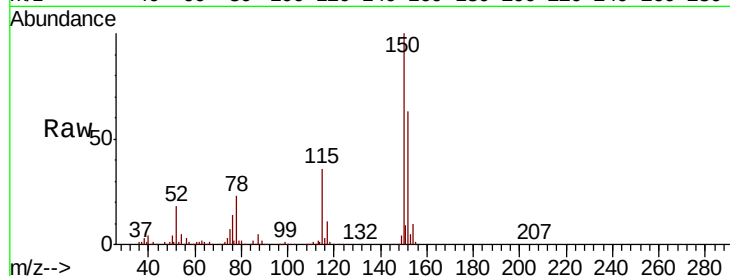
Tgt Ion:152 Resp: 265829

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

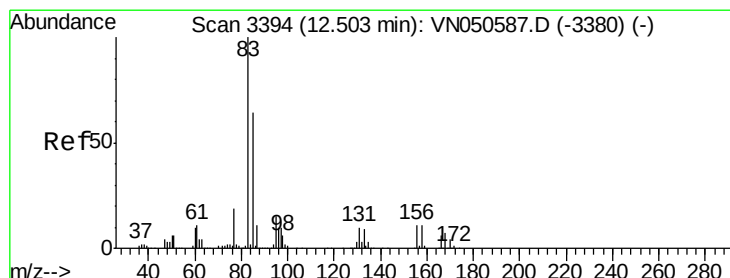
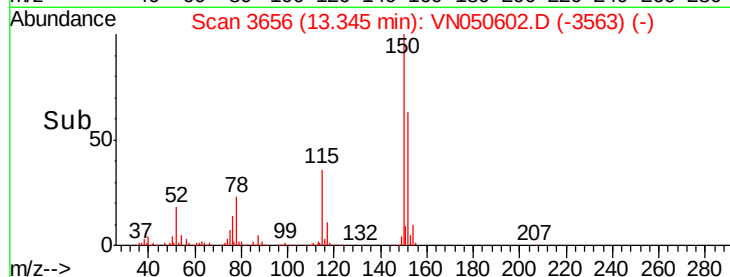
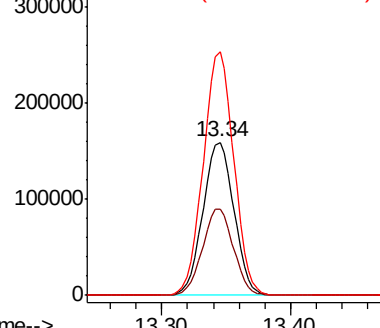
150 156.8 0.0 347.8



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: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

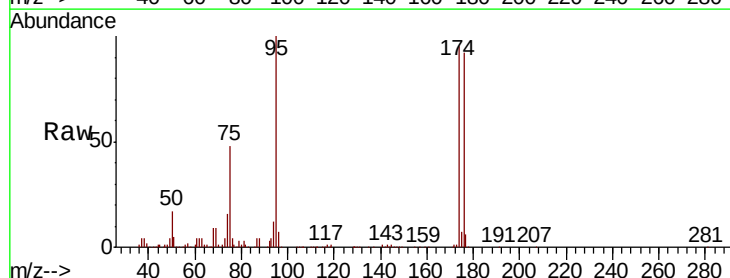
Tgt Ion: 83 Resp: 110

Ion Ratio Lower Upper

83 100

131 390.0 5.3 15.9#

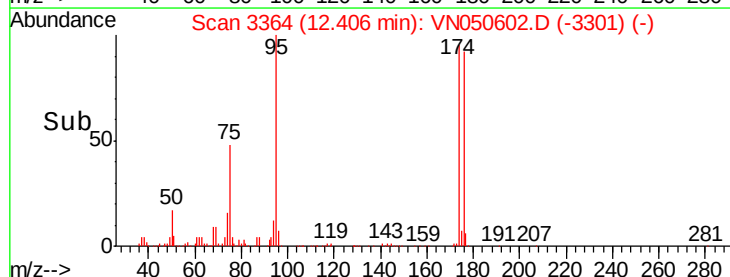
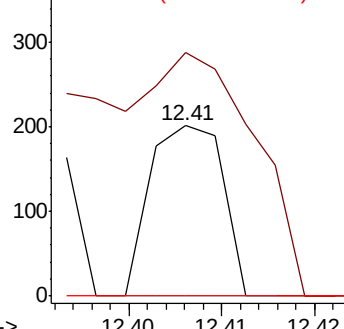
85 0.0 32.1 96.5#

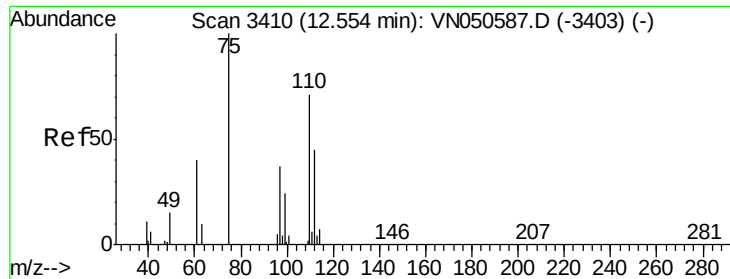


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 39.024 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

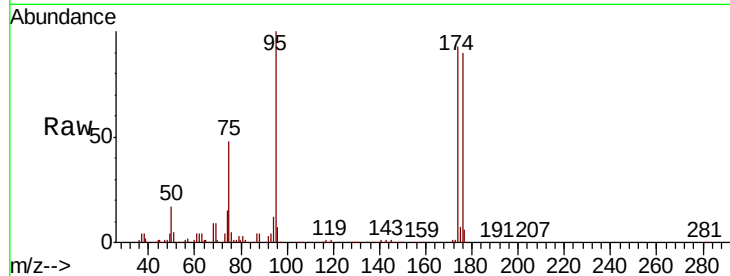
PB112007ZHE#03

Tgt Ion: 75 Resp: 168575

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

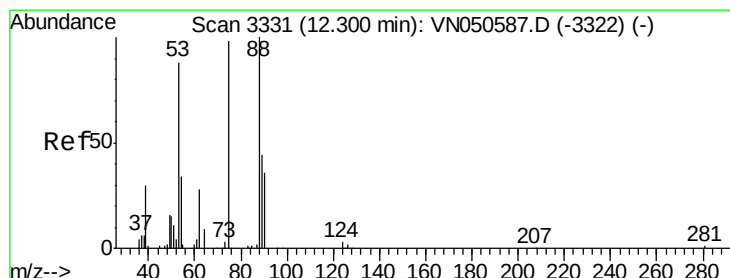
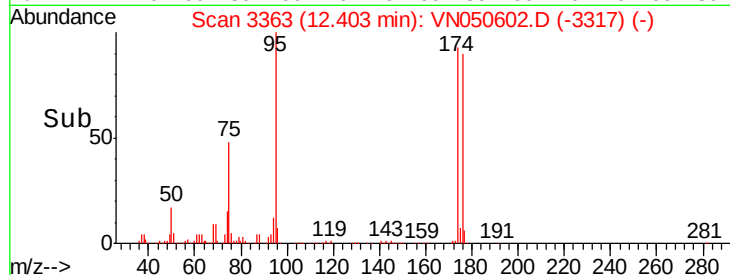
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 140.984 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

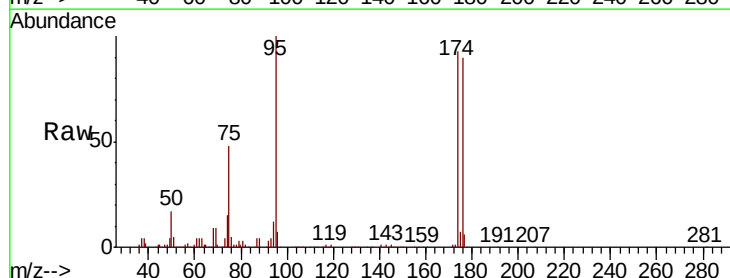
Tgt Ion: 75 Resp: 168575

Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

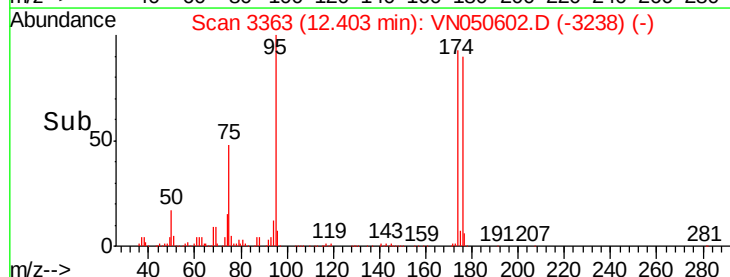
100000

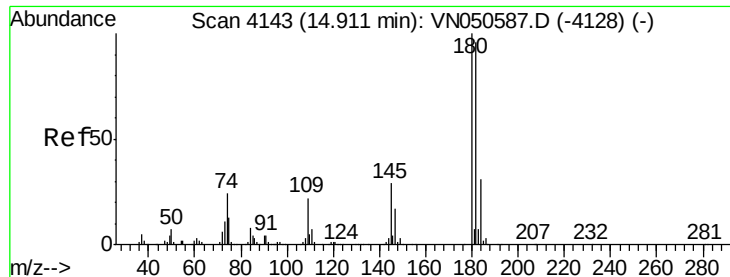
50000

0

12.35 12.40 12.45

Time-->

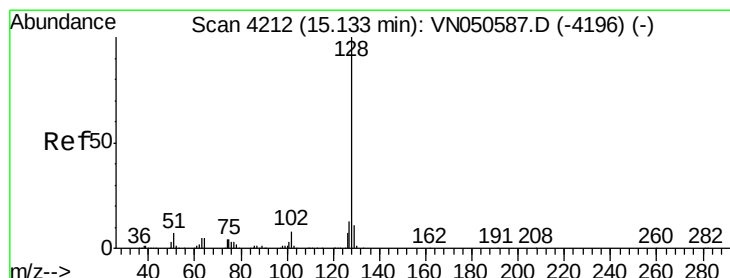
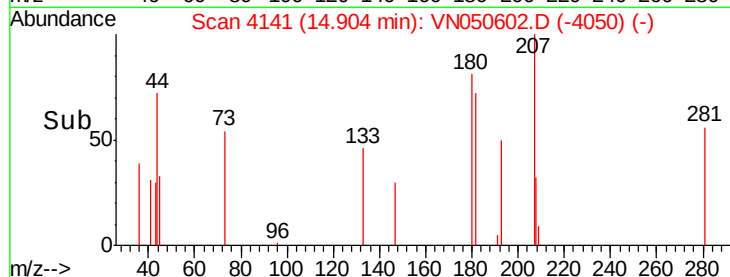
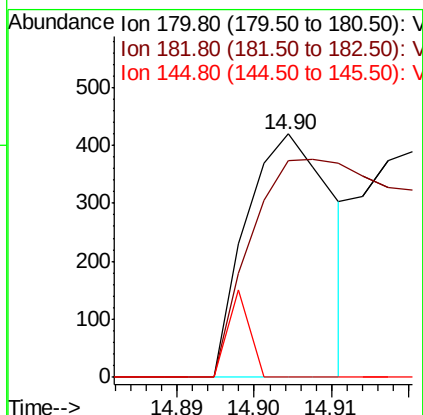
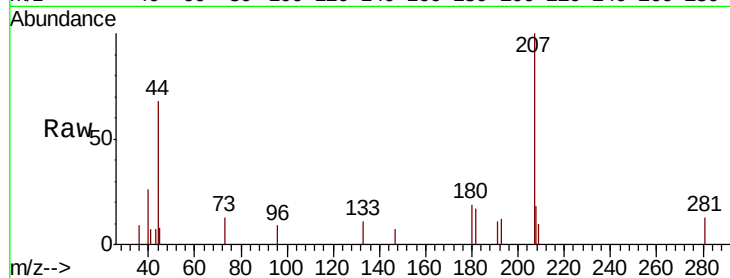




#93
 1,2,4-Trichlorobenzene
 Concen: 2.738 ug/l
 RT: 14.90 min Scan# 4141
 Delta R.T. -0.01 min
 Lab File: VN050602.D
 Acq: 14 Aug 2018 15:11

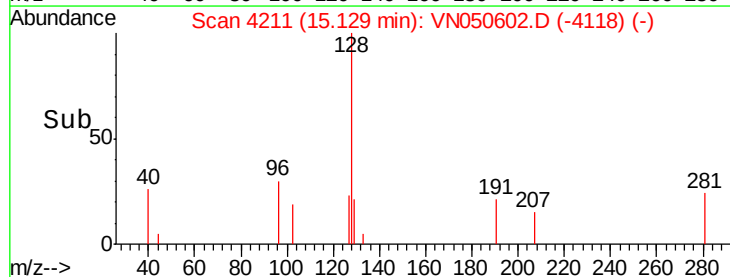
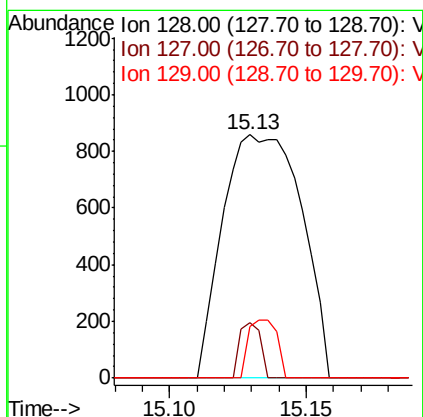
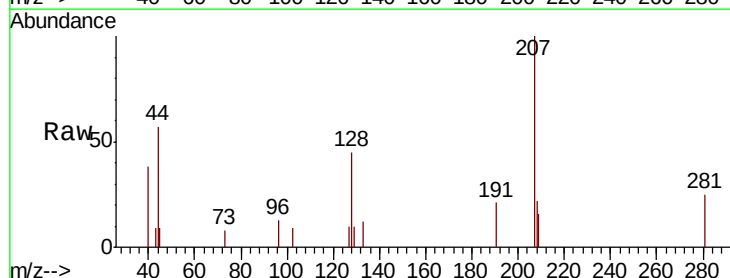
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112007ZHE#03

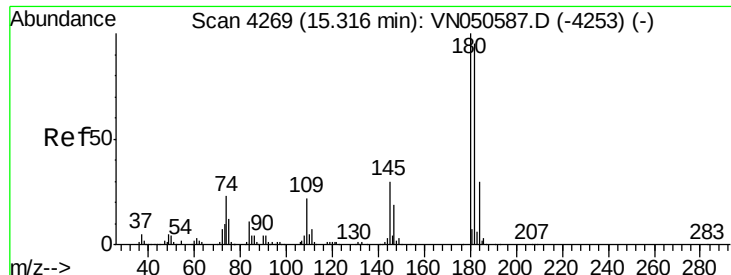
Tgt Ion:180 Resp: 325
 Ion Ratio Lower Upper
 180 100
 182 196.6 47.9 143.7#
 145 8.9 14.4 43.4#



#95
 Naphthalene
 Concen: 4.016 ug/l
 RT: 15.13 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN050602.D
 Acq: 14 Aug 2018 15:11

Tgt Ion:128 Resp: 1724
 Ion Ratio Lower Upper
 128 100
 127 6.0 10.3 15.5#
 129 8.5 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.092 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN050602.D
 Acq: 14 Aug 2018 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112007ZHE#03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.8	47.3	141.8
145	9.5	14.6	44.0

