

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050800.D
 Acq On : 21 Aug 2018 23:25
 Operator : MD\SY
 Sample : PB112227ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112227ZHE#06

Quant Time: Aug 22 06:45:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1037799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	917136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311466	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	418792	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
35) Dibromofluoromethane	7.59	113	394074	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	10.09	98	1438650	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
62) 4-Bromofluorobenzene	12.40	95	396087	38.61	ug/l	0.00
Spiked Amount			Recovery	=	77.22%	

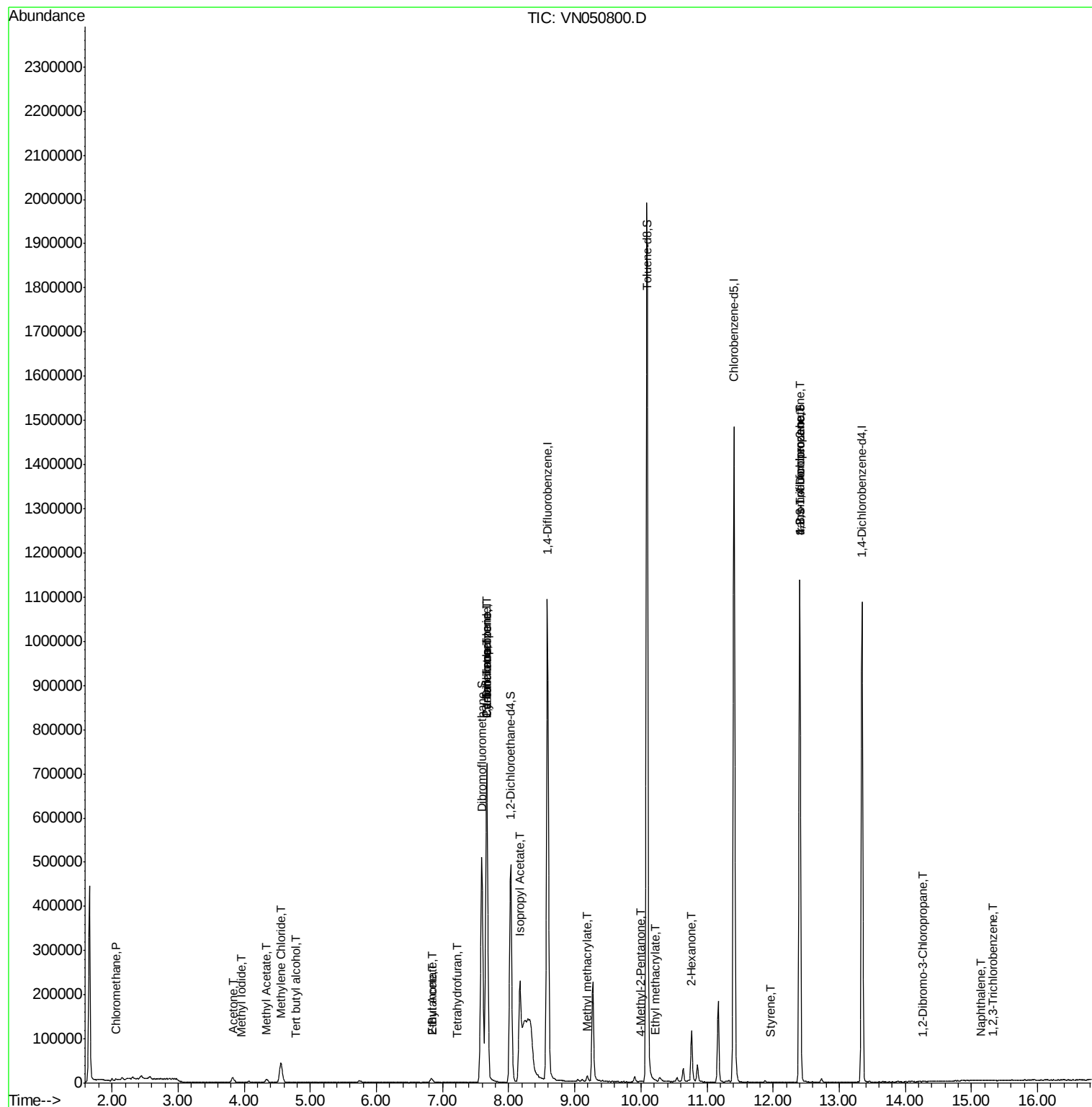
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2644	0.252	ug/l	95
5) Bromomethane	2.57	94	3392	Below Cal	#	77
10) Methyl Iodide	3.95	142	562	6.411	ug/l #	73
11) Tert butyl alcohol	4.78	59	126	0.259	ug/l #	72
16) Acetone	3.83	43	19843	3.999	ug/l	99
18) Methyl Acetate	4.33	43	13388	1.853	ug/l	100
20) Methylene Chloride	4.55	84	34674	4.020	ug/l	94
25) 2-Butanone	6.85	43	3286	1.066	ug/l #	88
29) Tetrahydrofuran	7.22	42	488	0.276	ug/l #	33
31) Cyclohexane	7.67	56	11362	1.331	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42093	3.437	ug/l #	48
37) Ethyl Acetate	6.85	43	3286	0.467	ug/l #	67
38) Carbon Tetrachloride	7.67	117	56779	4.587	ug/l #	16
43) Isopropyl Acetate	8.17	43	311041	25.715	ug/l #	89
48) Methyl methacrylate	9.18	41	7191	1.167	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	1946	0.270	ug/l	99
56) Ethyl methacrylate	10.23	69	2207	2.549	ug/l #	83
59) 2-Hexanone	10.77	43	15399	3.205	ug/l #	60
70) Styrene	11.97	104	446	1.287	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.40	83	147	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	187258	34.326	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	187258	116.040	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.26	75	203	0.219	ug/l #	1
95) Naphthalene	15.13	128	351	5.425	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	96	3.312	ug/l #	12

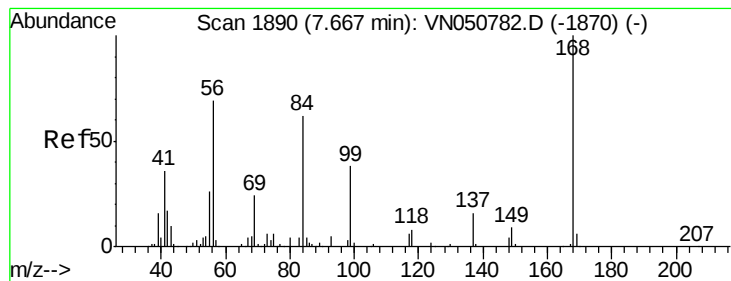
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 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: VN050800.D

Acq: 21 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

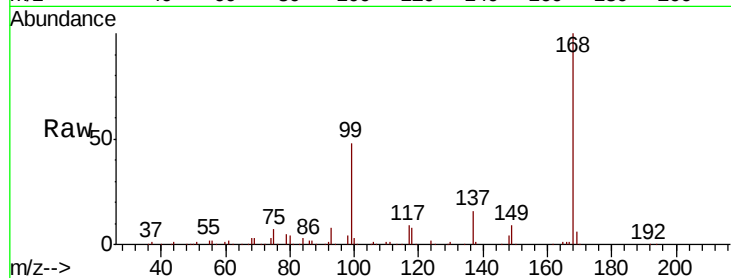
PB112227ZHE#06

Tot Ion:168 Resp: 635636

Ion Ratio Lower Upper

168 100

99 48.4 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

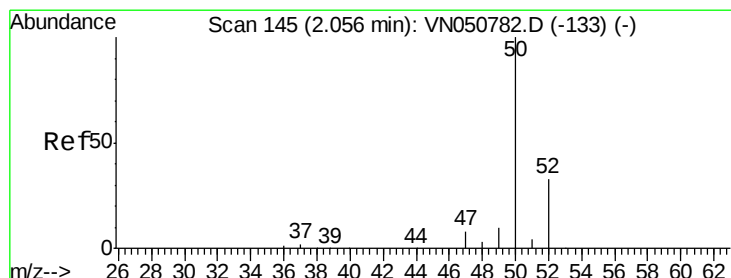
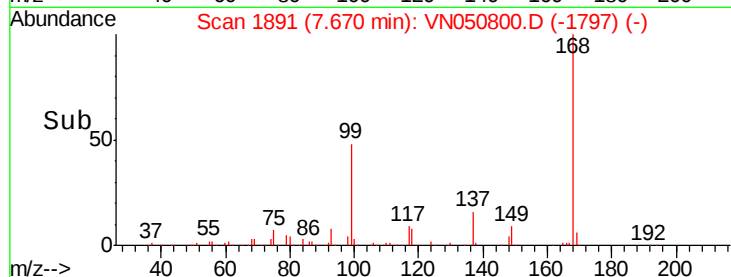
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.252 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050800.D

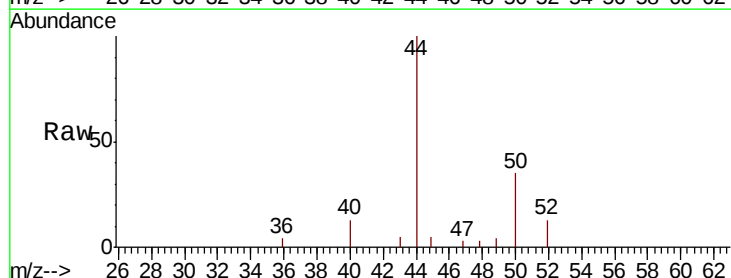
Acq: 21 Aug 2018 23:25

Tgt Ion: 50 Resp: 2644

Ion Ratio Lower Upper

50 100

52 36.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2000

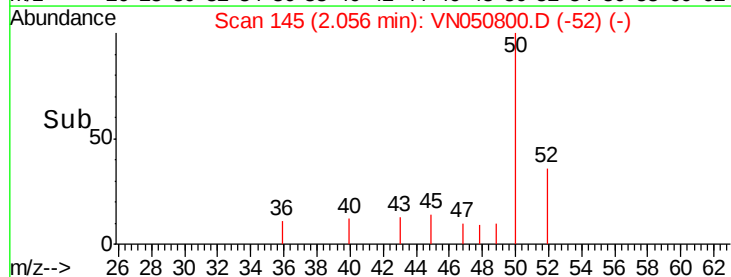
1500

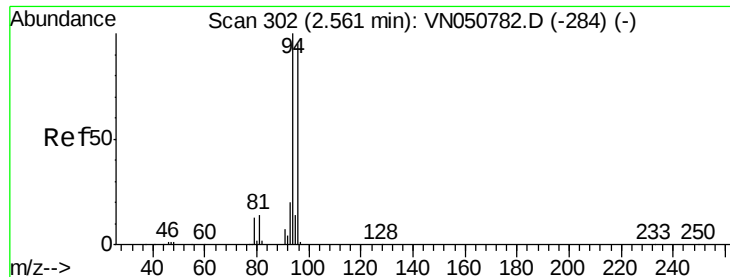
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

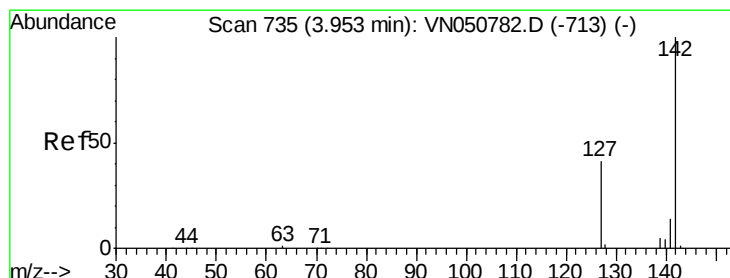
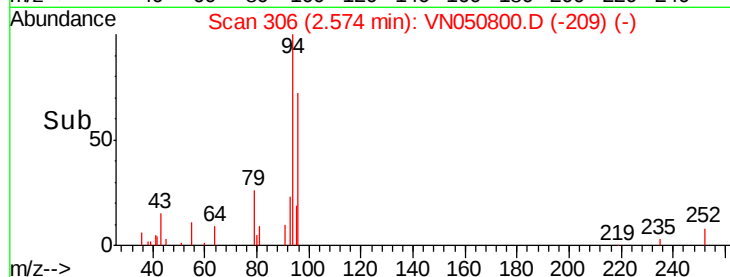
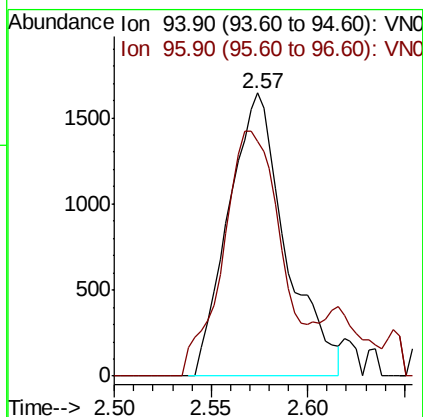
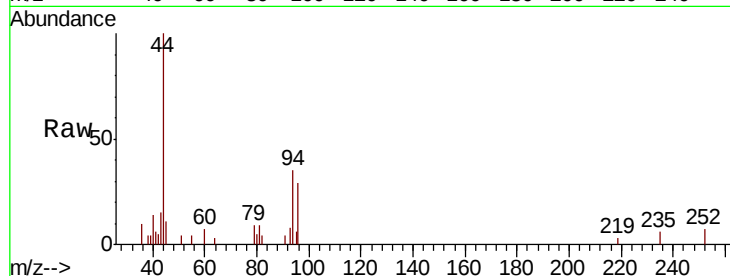
PB112227ZHE#06

Tot Ion: 94 Resp: 3392

Ion Ratio Lower Upper

94 100

96 72.6 76.2 114.2#



#10

Methyl Iodide

Concen: 6.411 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

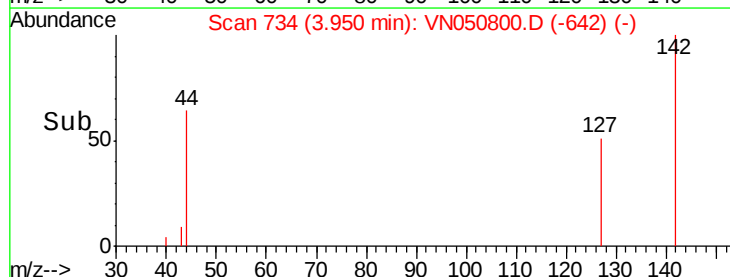
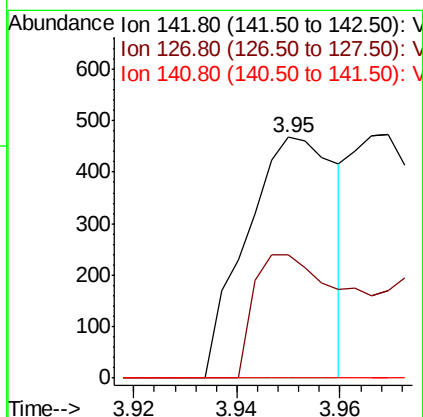
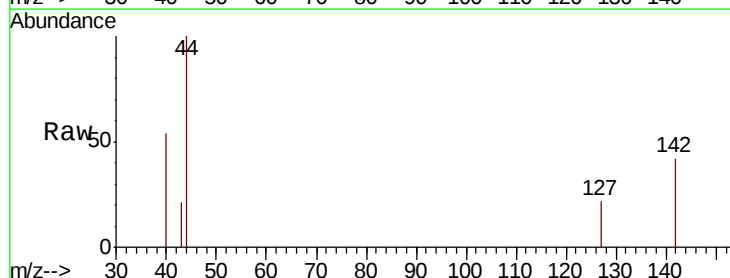
Tgt Ion: 142 Resp: 562

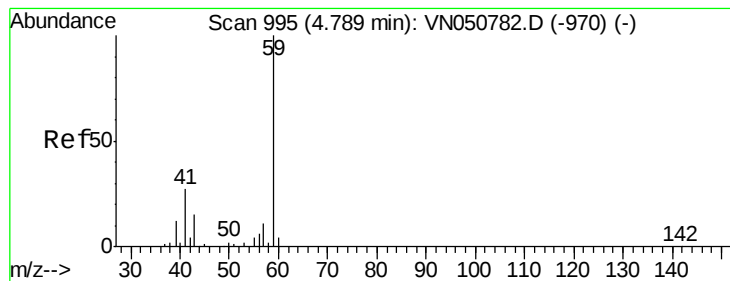
Ion Ratio Lower Upper

142 100

127 54.1 31.7 47.5#

141 0.0 11.4 17.0#



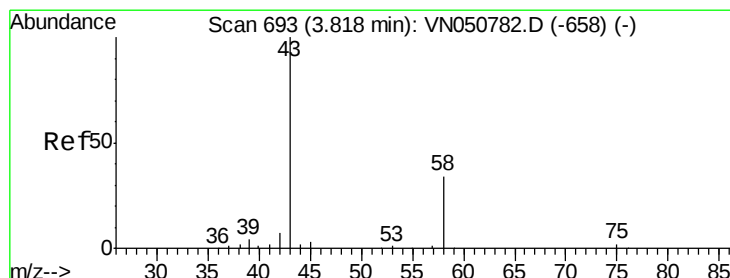
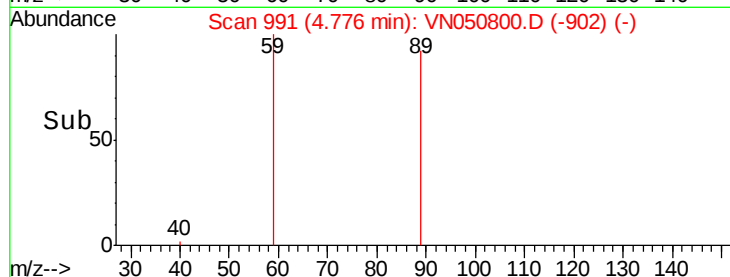
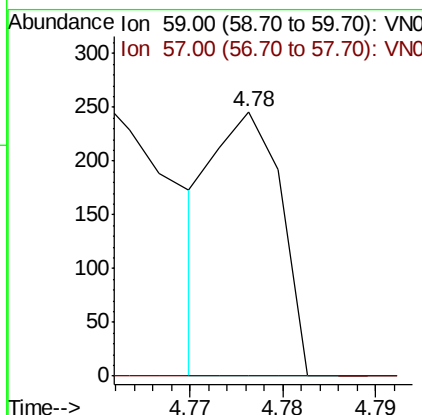
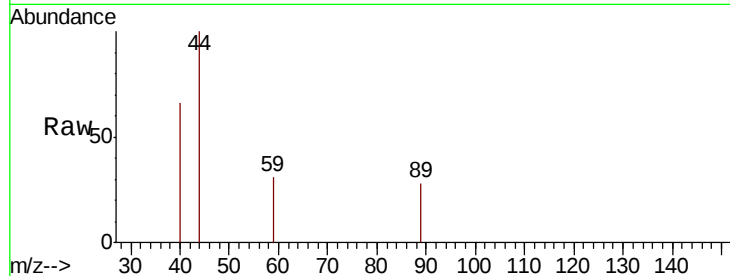


#11

Tert butyl alcohol
 Concen: 0.259 ug/l
 RT: 4.78 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VN050800.D
 Acq: 21 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112227ZHE#06

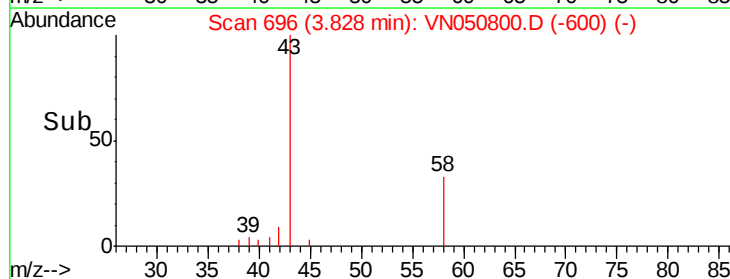
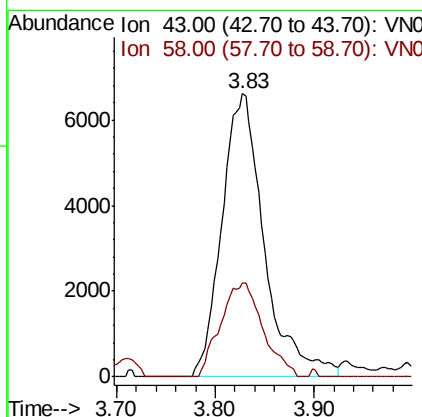
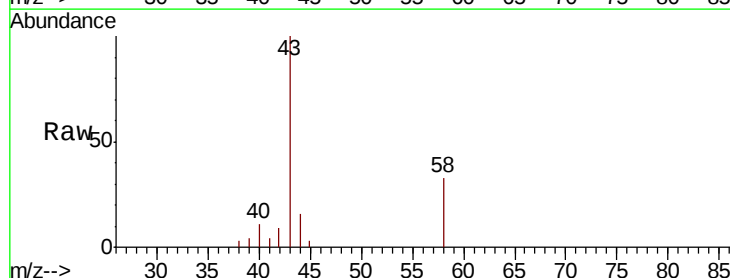
Tot Ion: 59 Resp: 126
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

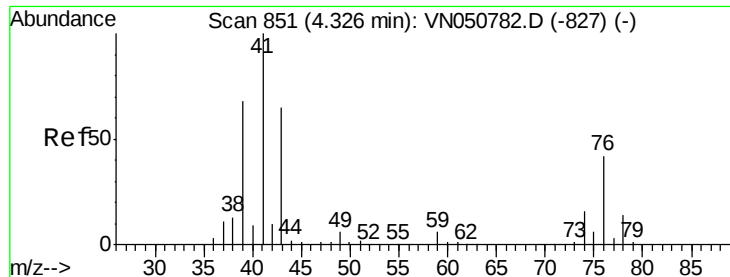


#16

Acetone
 Concen: 3.999 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050800.D
 Acq: 21 Aug 2018 23:25

Tgt Ion: 43 Resp: 19843
 Ion Ratio Lower Upper
 43 100
 58 33.2 27.2 40.8

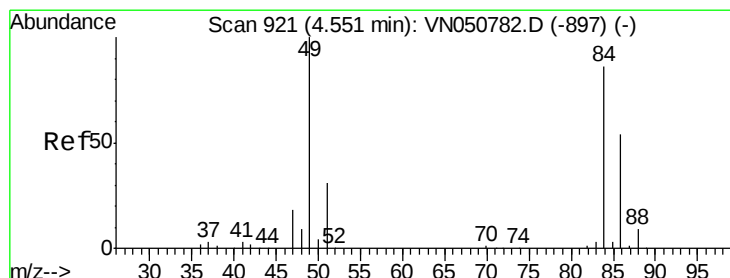
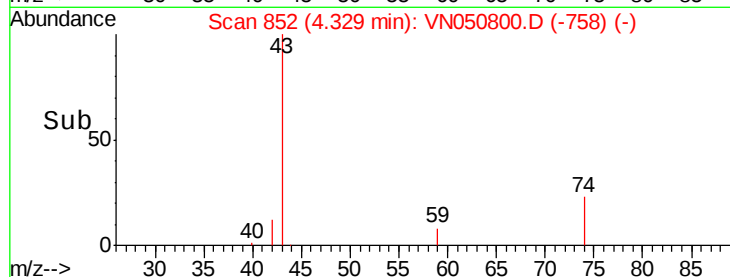
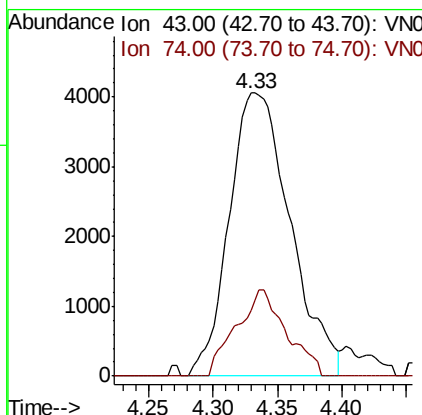
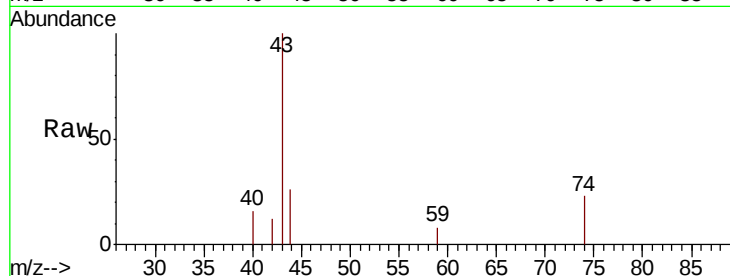




#18
Methyl Acetate
Concen: 1.853 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

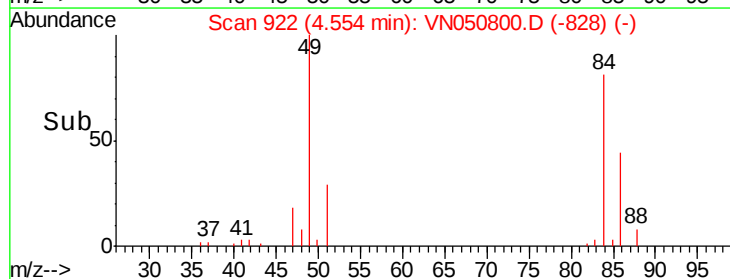
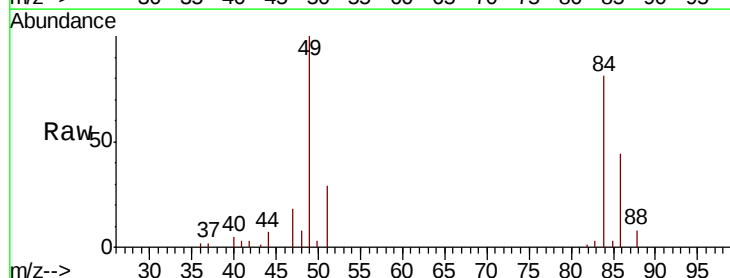
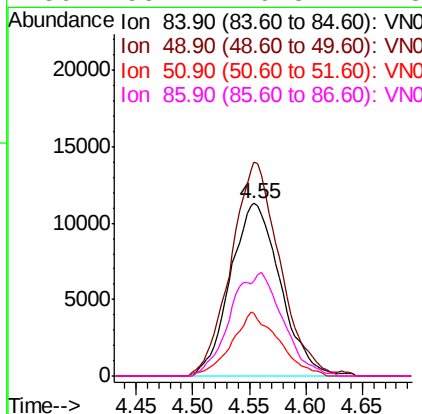
Instrument :
MSVOA_N
ClientSampleId :
PB112227ZHE#06

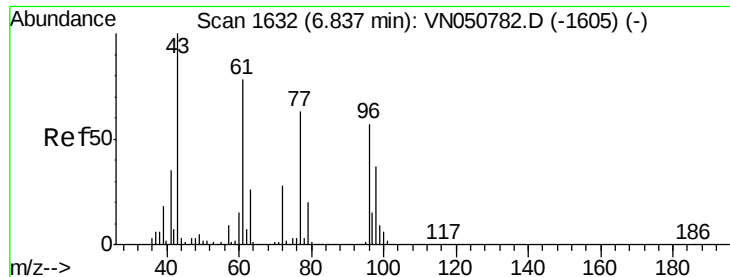
Tot Ion: 43 Resp: 13388
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.8



#20
Methylene Chloride
Concen: 4.020 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

Tgt Ion: 84 Resp: 34674
Ion Ratio Lower Upper
84 100
49 123.9 93.2 139.8
51 36.1 29.0 43.6
86 55.1 49.8 74.8

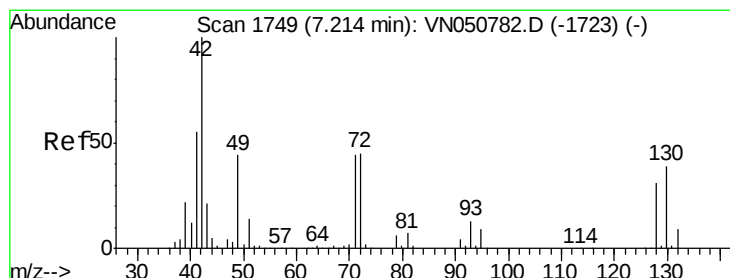
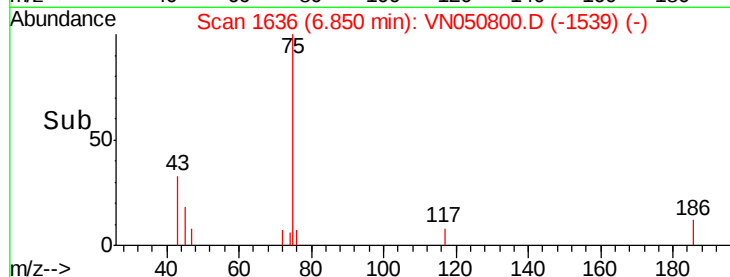
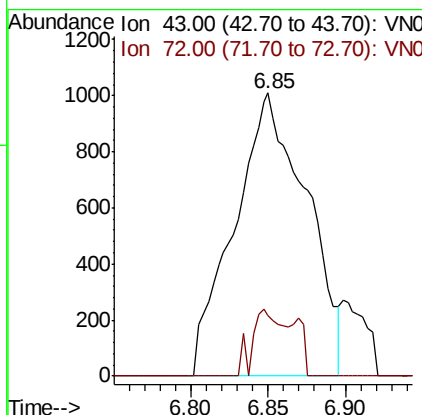
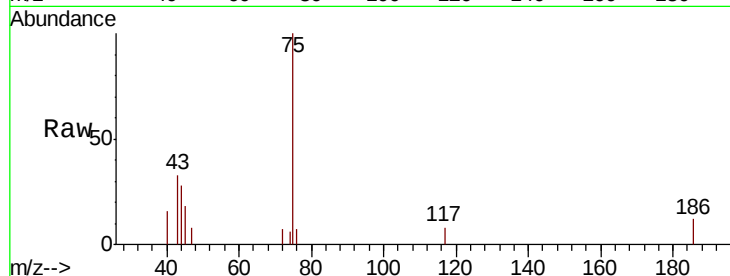




#25
2-Butanone
Concen: 1.066 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

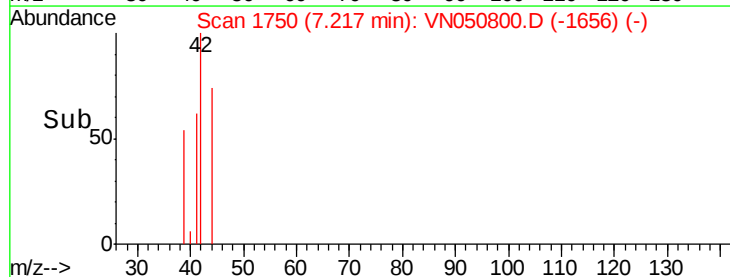
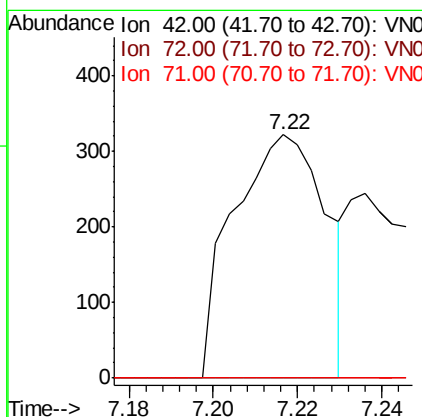
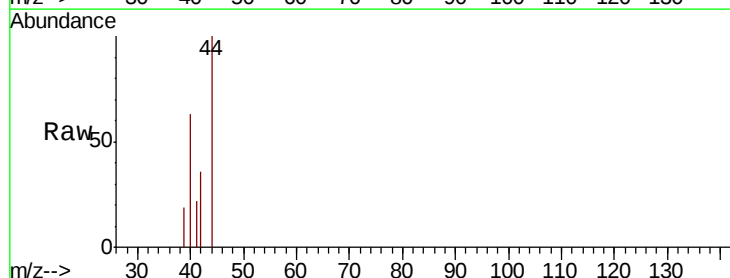
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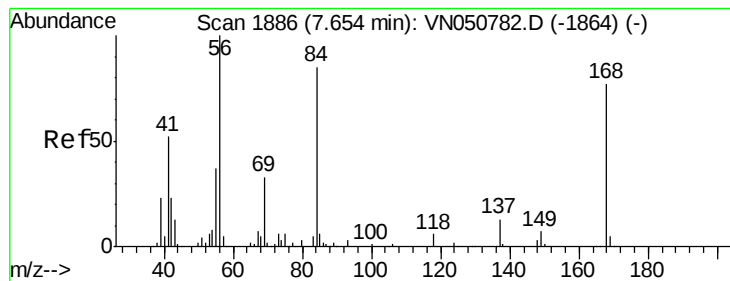
Tot Ion: 43 Resp: 3286
Ion Ratio Lower Upper
43 100
72 21.5 22.3 33.5#



#29
Tetrahydrofuran
Concen: 0.276 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

Tgt Ion: 42 Resp: 488
Ion Ratio Lower Upper
42 100
72 0.0 35.5 53.3#
71 0.0 33.7 50.5#





#31

Cyclohexane

Concen: 1.331 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#06

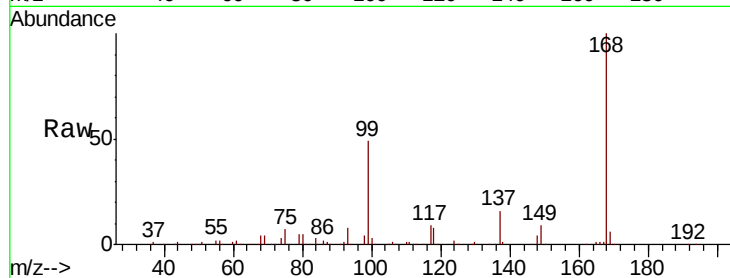
Tot Ion: 56 Resp: 11362

Ion Ratio Lower Upper

56 100

69 206.1 26.2 39.4#

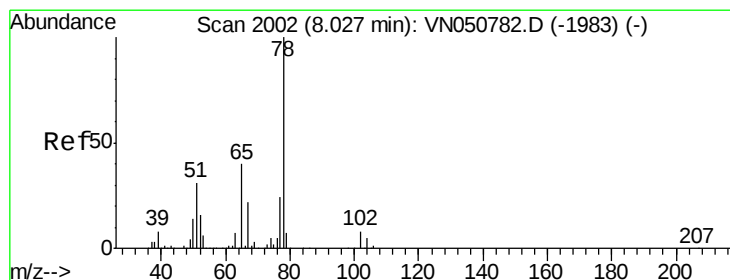
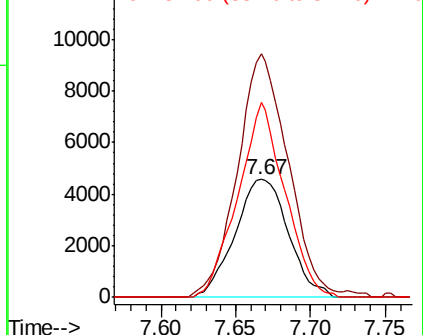
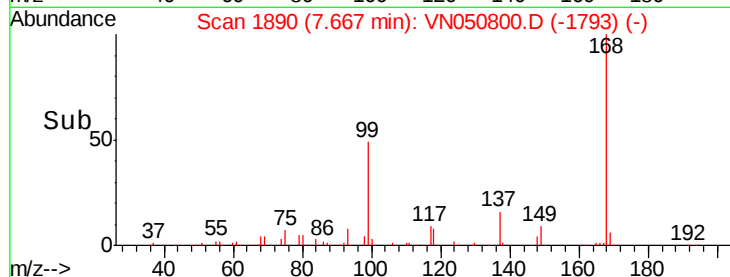
84 165.2 68.3 102.5#



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: 54.728 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050800.D

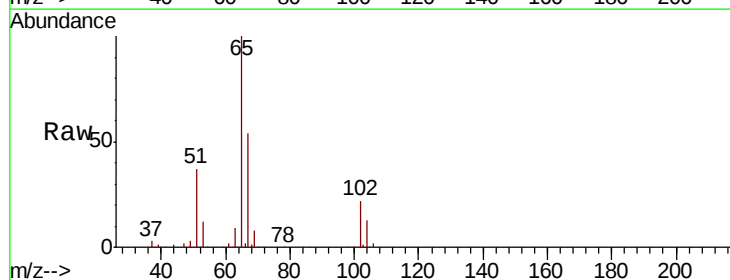
Acq: 21 Aug 2018 23:25

Tgt Ion: 65 Resp: 418792

Ion Ratio Lower Upper

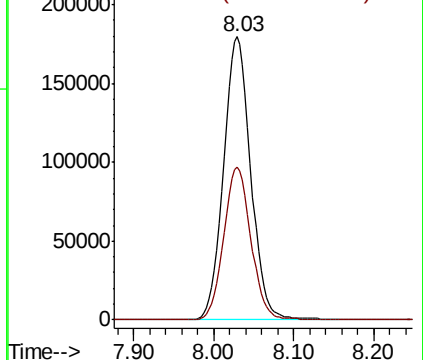
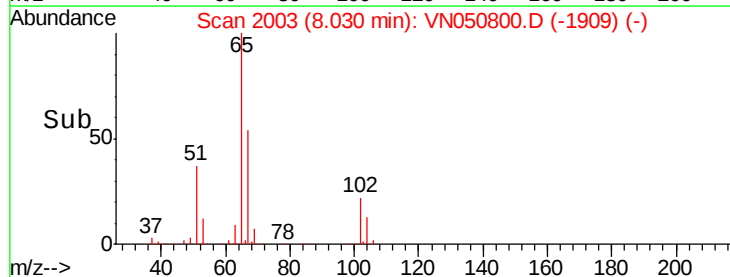
65 100

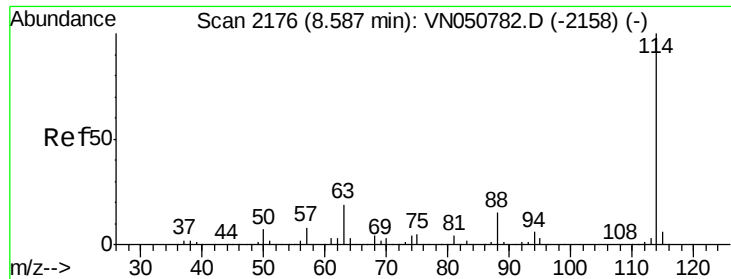
67 54.1 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

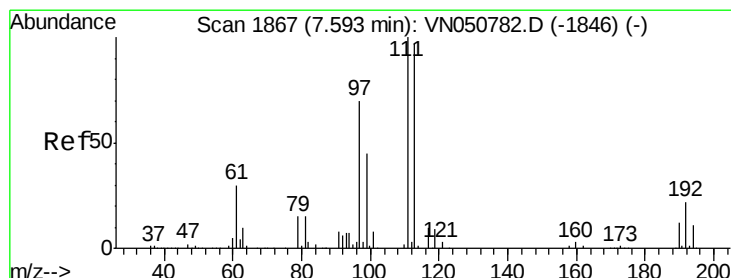
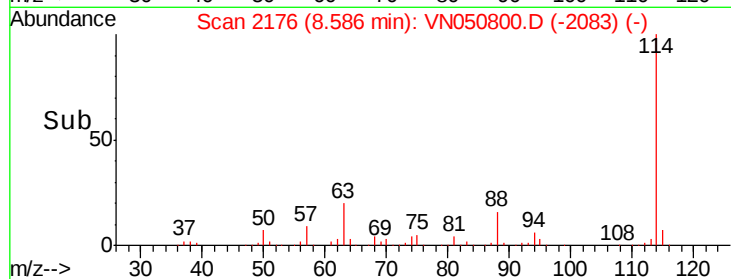
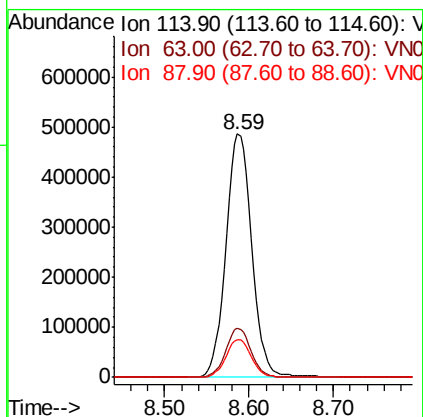
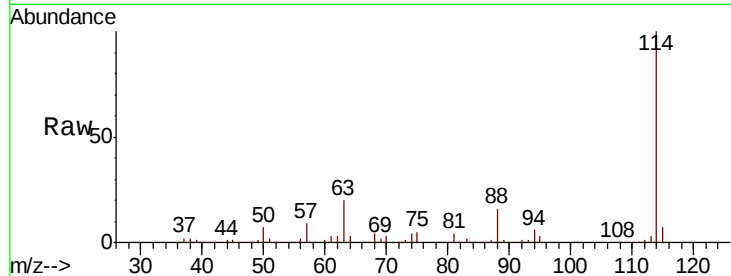




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050800.D
 Acq: 21 Aug 2018 23:25

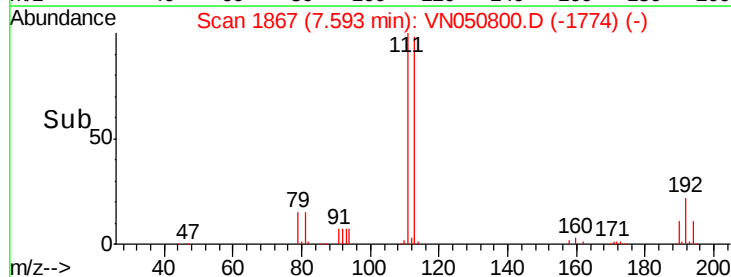
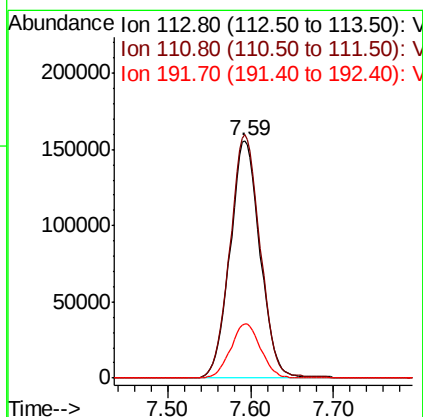
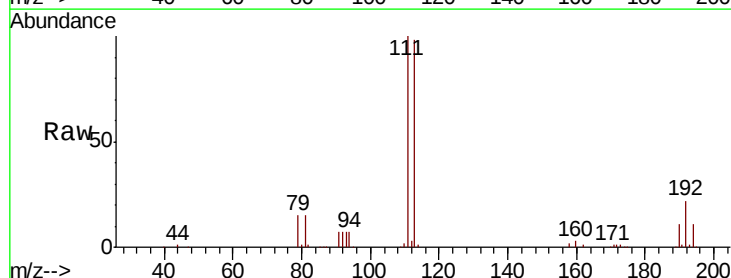
Instrument :
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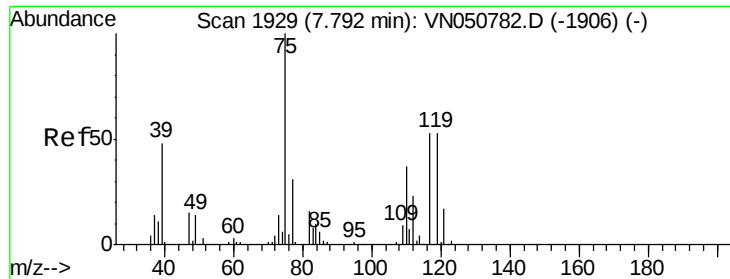
Tot Ion:114 Resp: 1037799
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 15.5 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 47.730 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050800.D
 Acq: 21 Aug 2018 23:25

Tgt Ion:113 Resp: 394074
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.6 123.8
 192 22.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 3.437 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.12 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#06

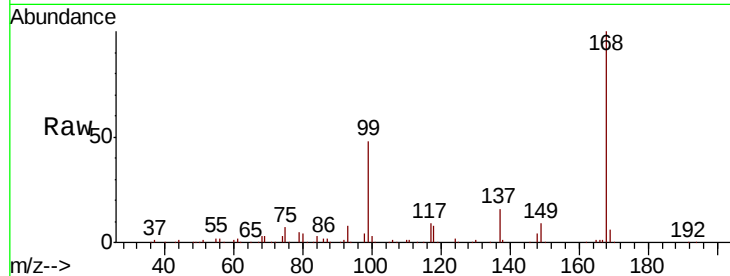
Tot Ion: 75 Resp: 42093

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.4#

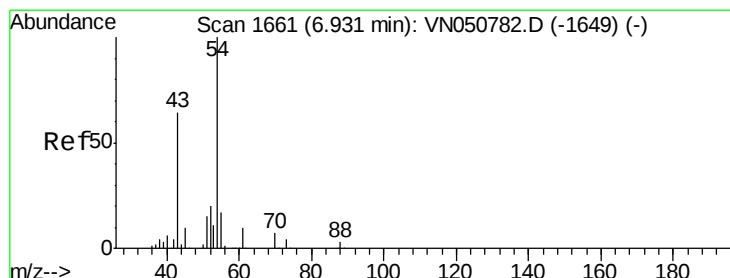
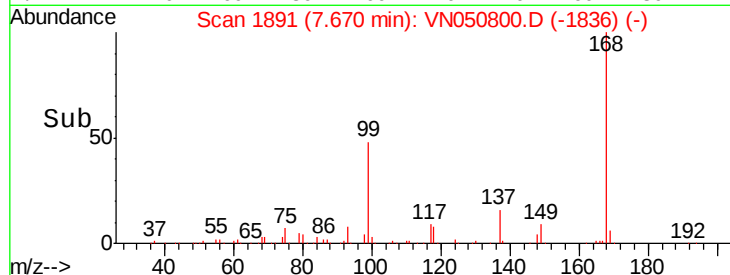
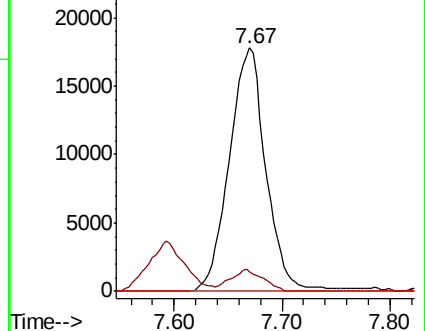
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.467 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. -0.08 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

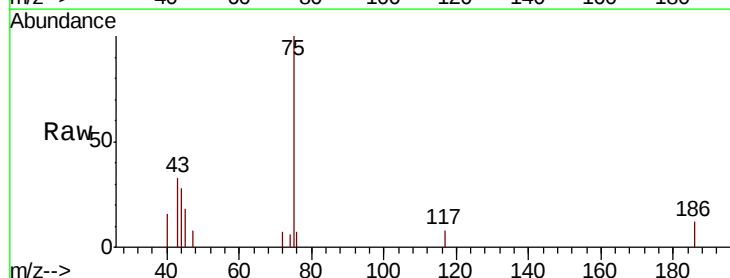
Tgt Ion: 43 Resp: 3286

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

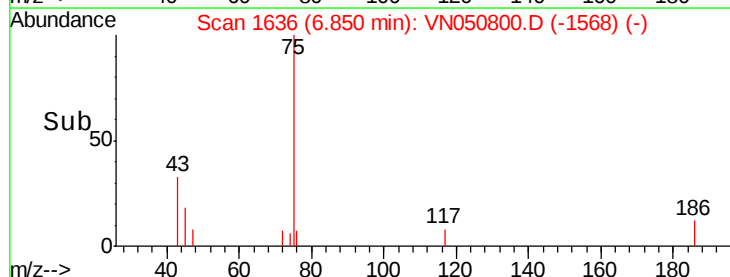
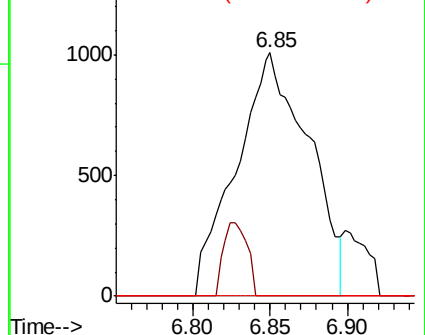
70 0.0 8.6 13.0#

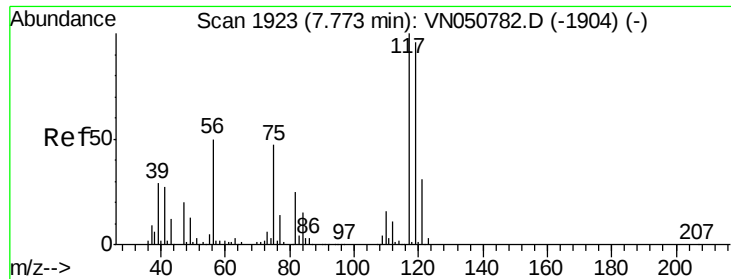


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

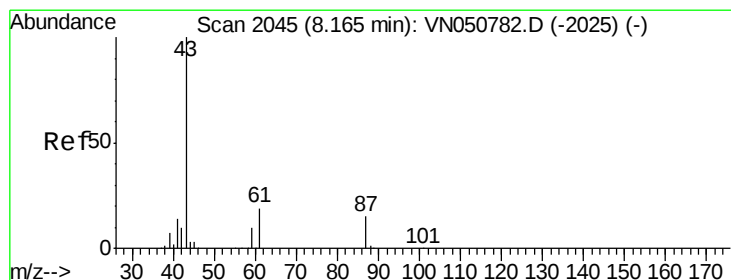
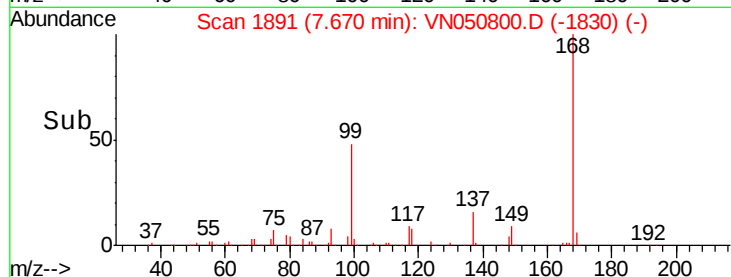
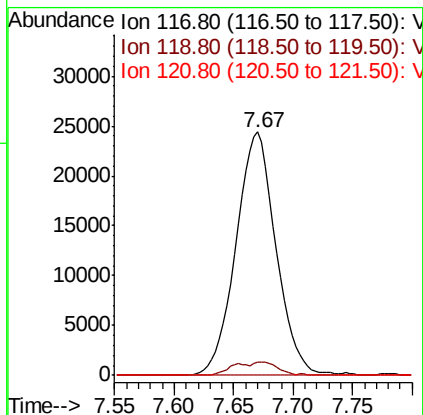
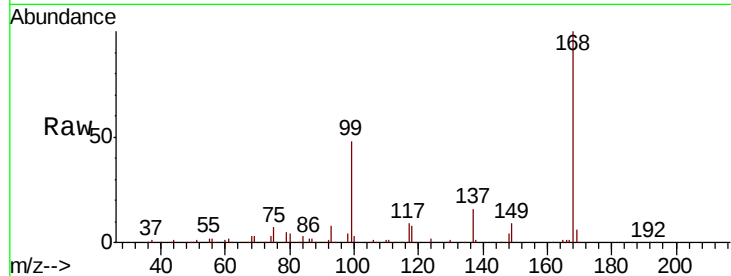




#38
Carbon Tetrachloride
Concen: 4.587 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

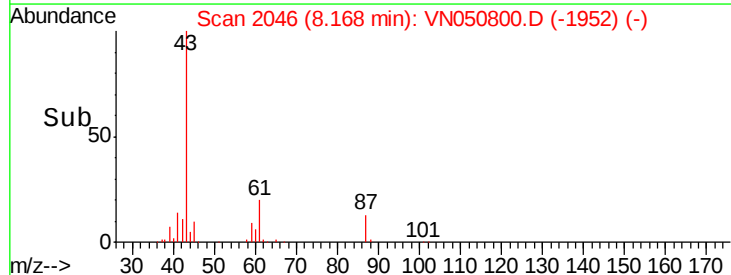
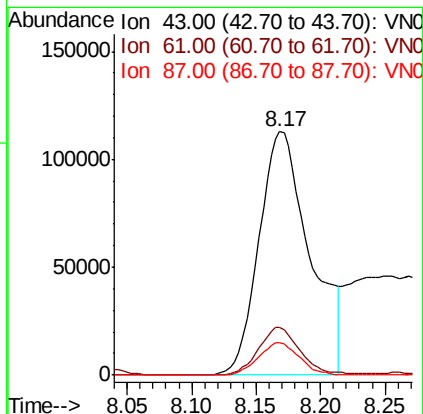
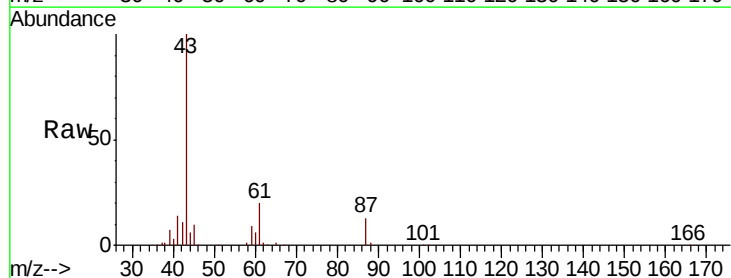
Instrument :
MSVOA_N
ClientSampleId :
PB112227ZHE#06

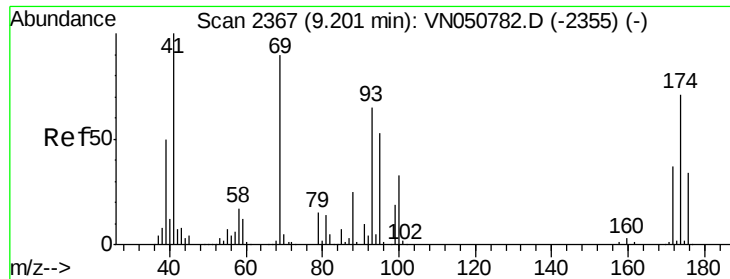
Tot Ion:117 Resp: 56779
Ion Ratio Lower Upper
117 100
119 5.4 76.3 114.5#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 25.715 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

Tgt Ion: 43 Resp: 311041
Ion Ratio Lower Upper
43 100
61 16.0 17.5 26.3#
87 10.7 11.3 16.9#

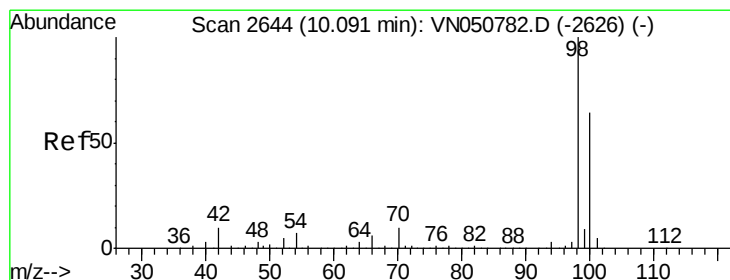
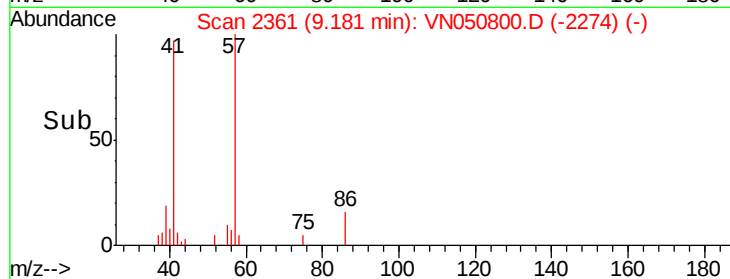
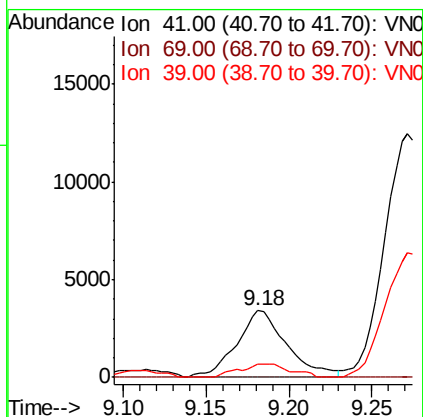
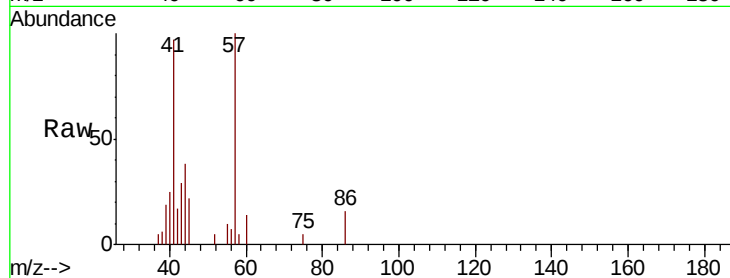




#48
Methyl methacrylate
Concen: 1.167 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

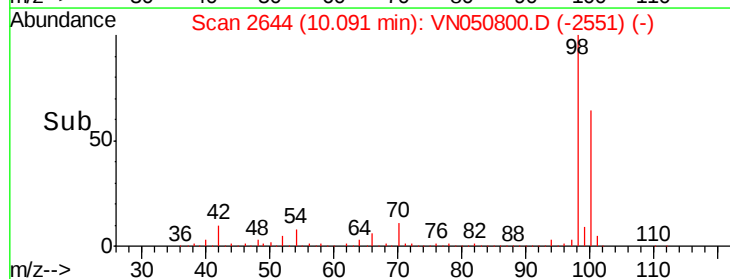
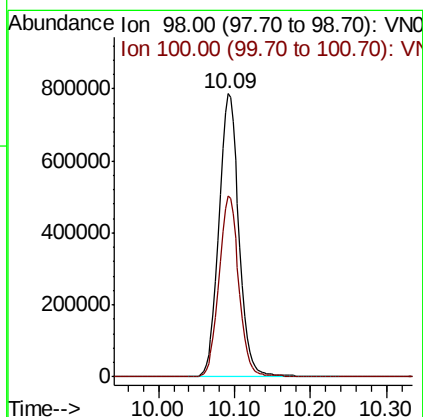
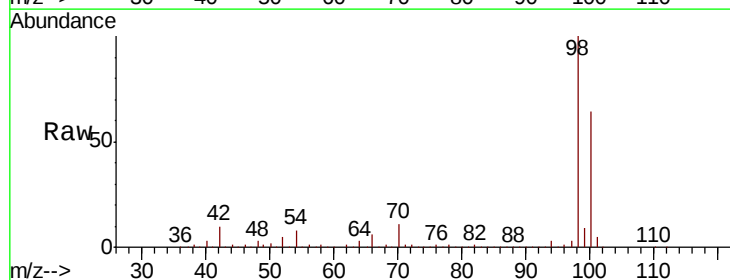
Instrument :
MSVOA_N
ClientSampleId :
PB112227ZHE#06

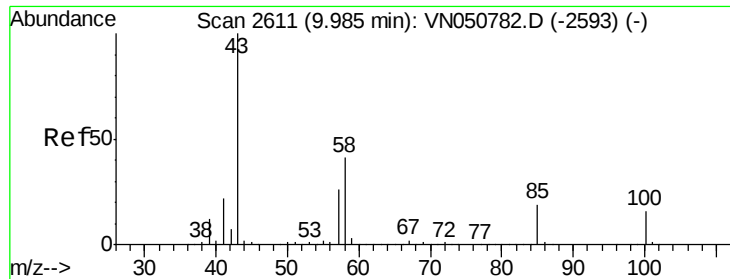
Tot Ion: 41 Resp: 7191
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 20.1 42.2 63.2#



#50
Toluene-d8
Concen: 46.607 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

Tgt Ion: 98 Resp: 1438650
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.270 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

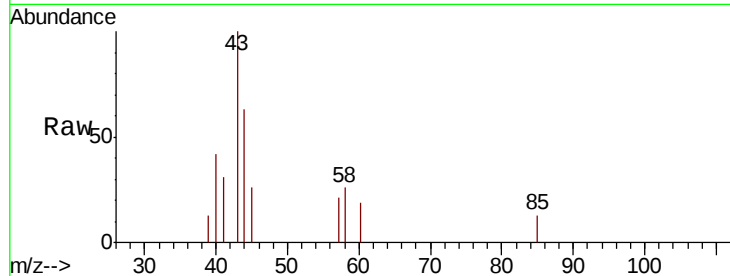
PB112227ZHE#06

Tot Ion: 43 Resp: 1946

Ion Ratio Lower Upper

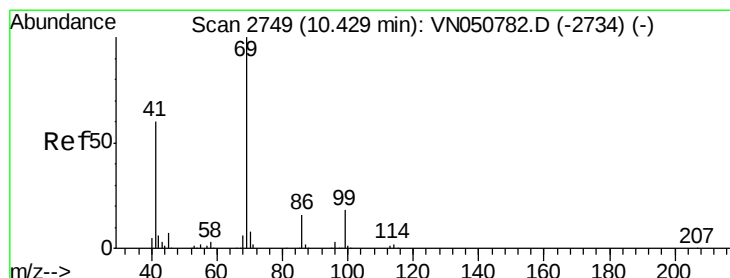
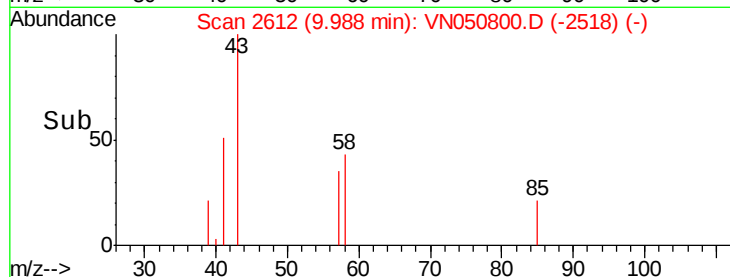
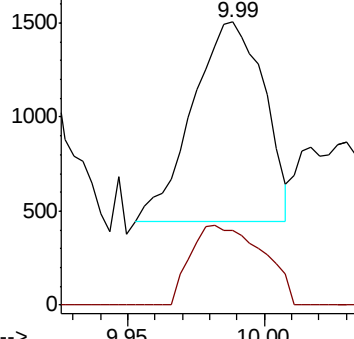
43 100

58 40.0 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 2.549 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

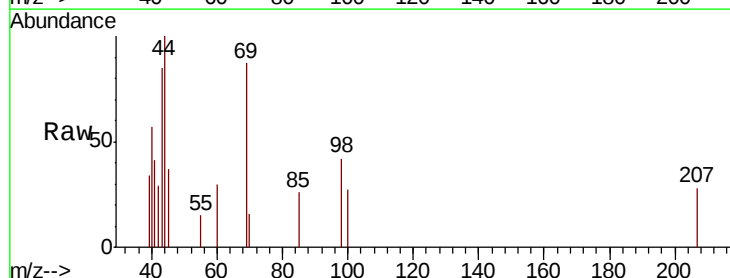
Tgt Ion: 69 Resp: 2207

Ion Ratio Lower Upper

69 100

41 43.6 48.3 72.5#

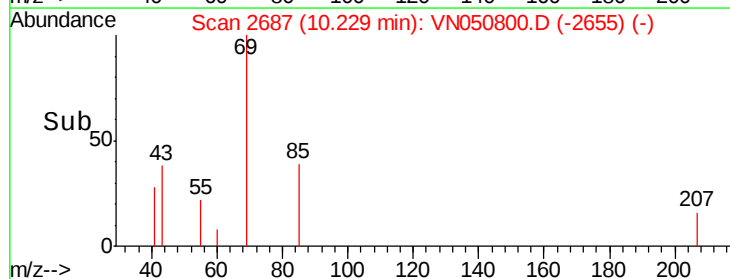
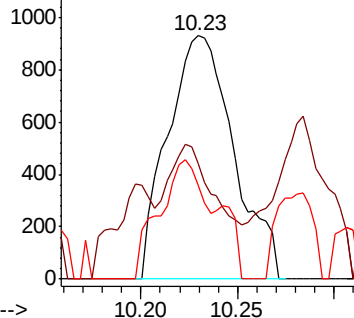
39 32.9 24.0 36.0

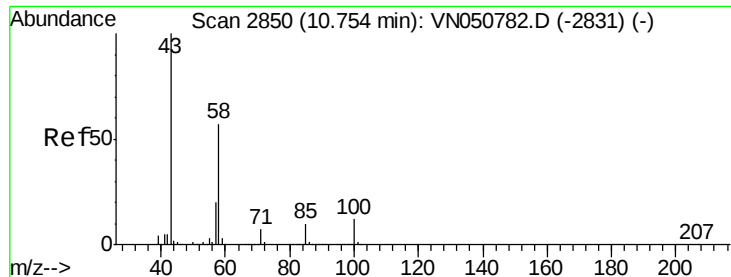


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 3.205 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

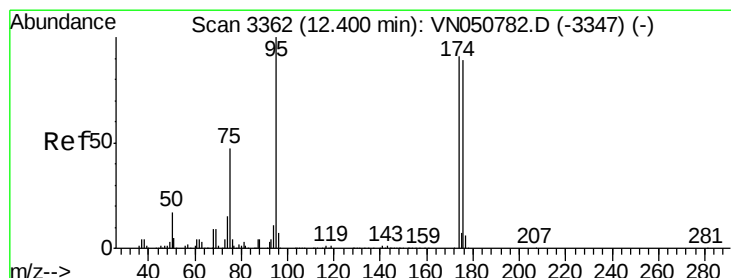
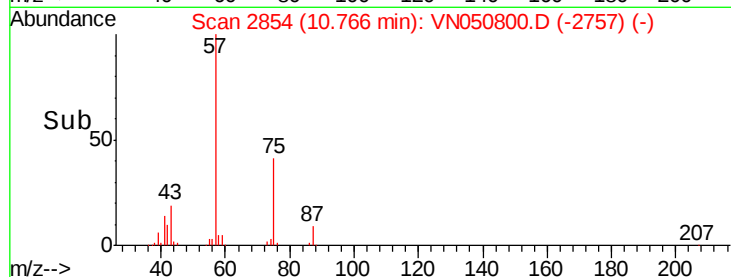
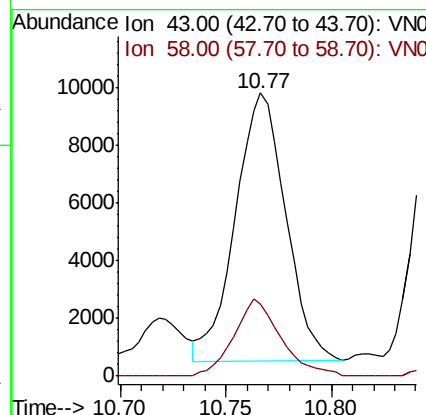
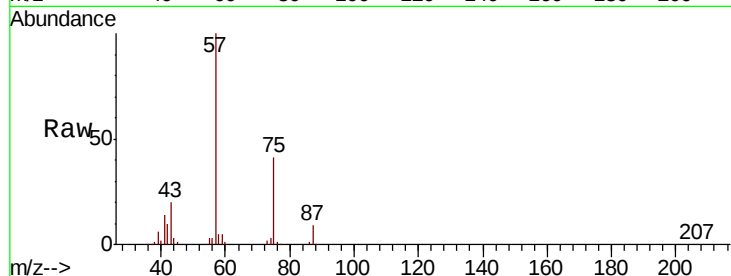
PB112227ZHE#06

Tot Ion: 43 Resp: 15399

Ion Ratio Lower Upper

43 100

58 27.0 28.3 85.0#



#62

4-Bromofluorobenzene

Concen: 38.614 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

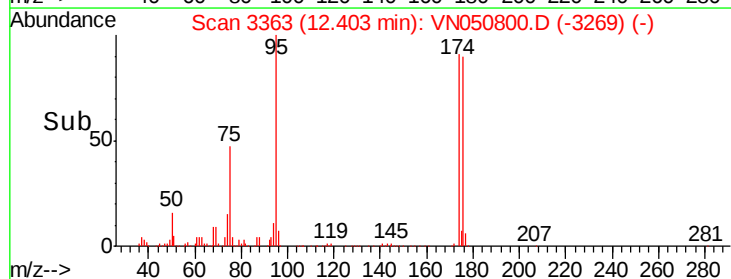
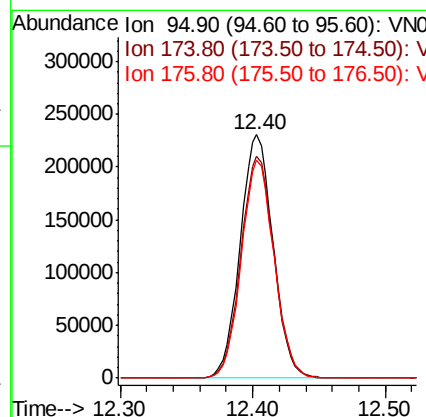
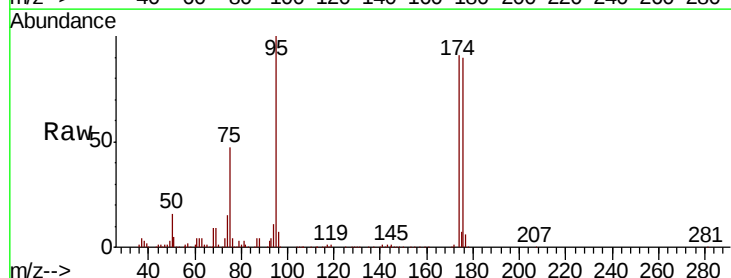
Tgt Ion: 95 Resp: 396087

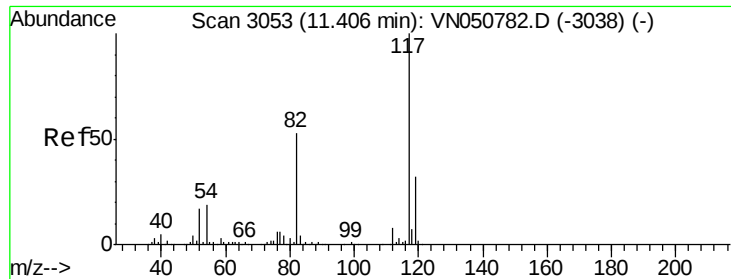
Ion Ratio Lower Upper

95 100

174 92.6 0.0 183.0

176 89.2 0.0 178.8

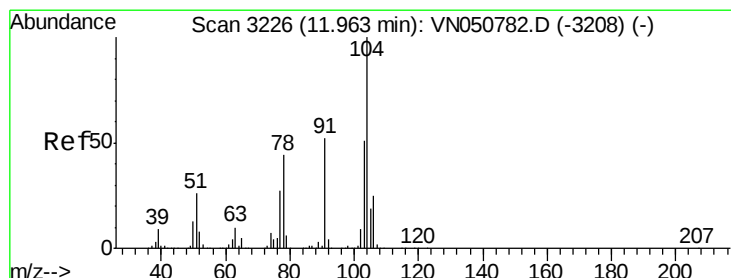
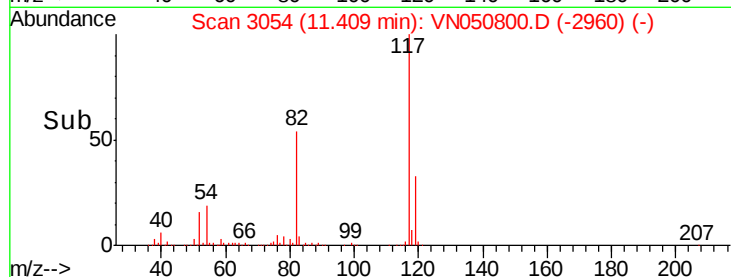
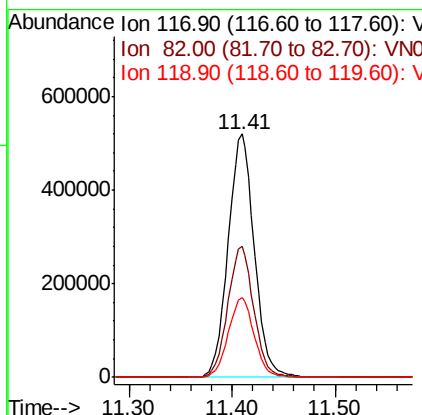
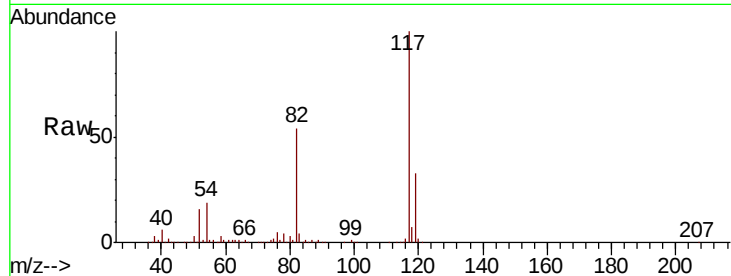




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

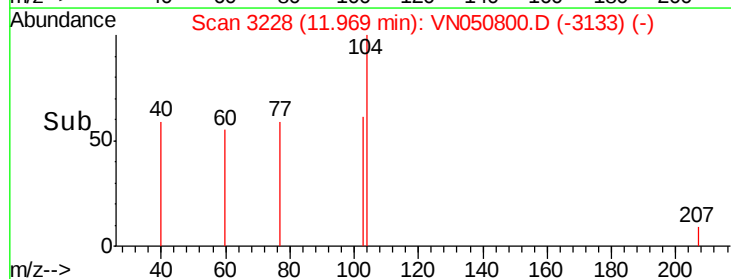
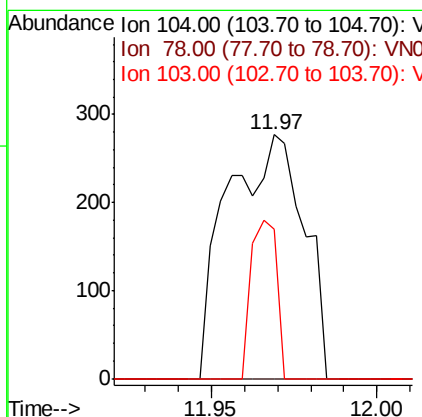
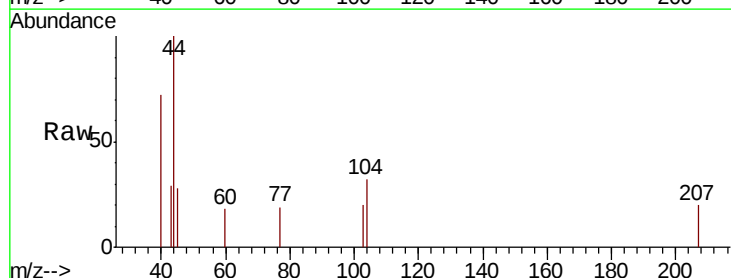
Instrument :
MSVOA_N
ClientSampleId :
PB112227ZHE#06

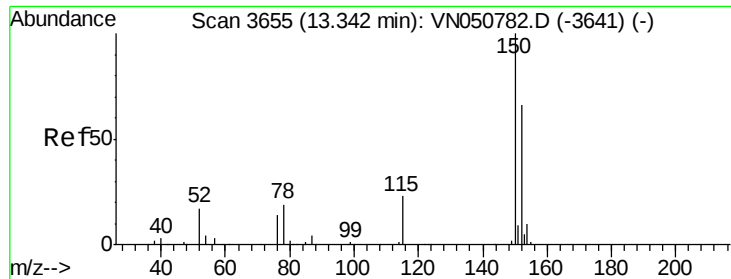
Tot Ion:117 Resp: 917136
Ion Ratio Lower Upper
117 100
82 53.8 42.6 64.0
119 32.6 25.8 38.6



#70
Styrene
Concen: 1.287 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.01 min
Lab File: VN050800.D
Acq: 21 Aug 2018 23:25

Tgt Ion:104 Resp: 446
Ion Ratio Lower Upper
104 100
78 0.0 38.2 57.4#
103 21.7 44.4 66.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#06

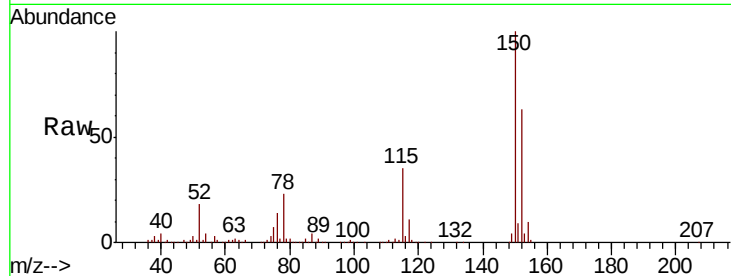
Tot Ion:152 Resp: 311466

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

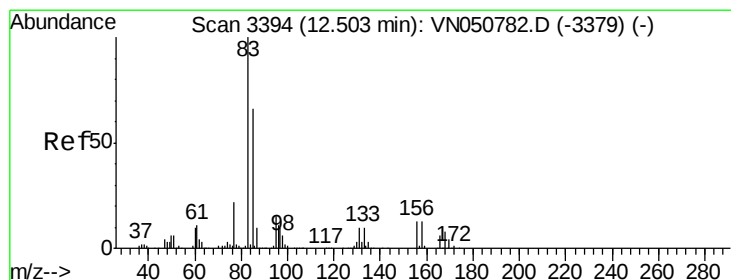
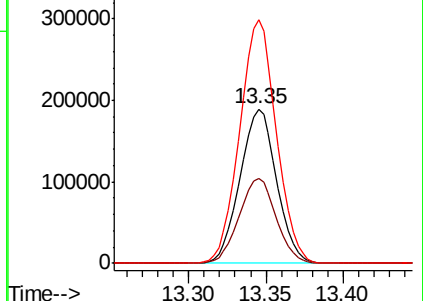
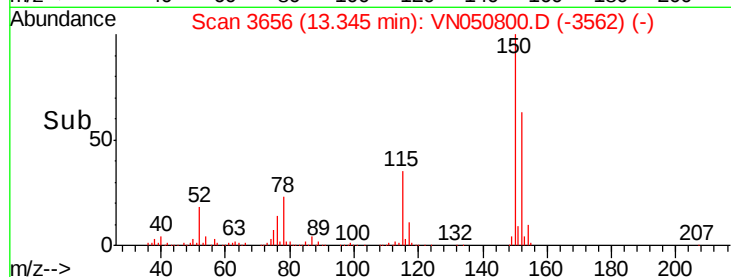
150 158.2 0.0 351.4



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: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

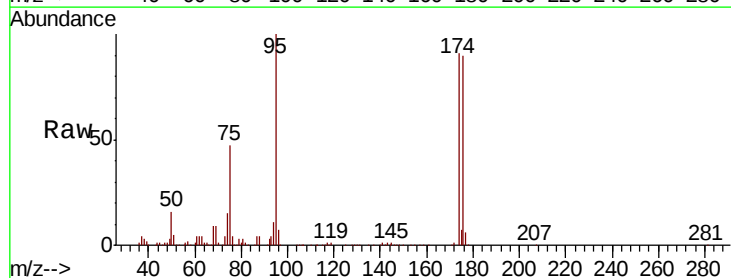
Tgt Ion: 83 Resp: 147

Ion Ratio Lower Upper

83 100

131 311.6 5.3 15.9#

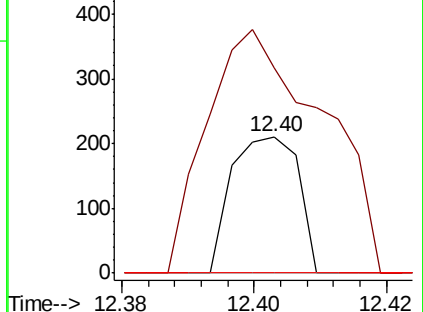
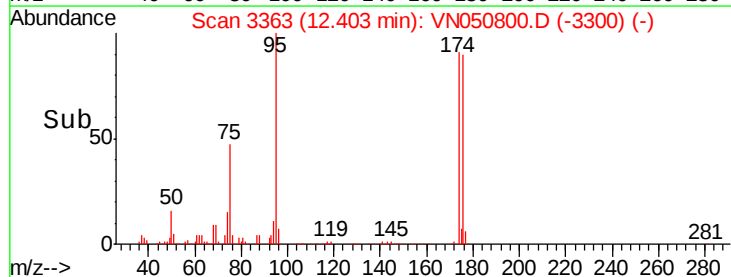
85 0.0 31.9 95.7#

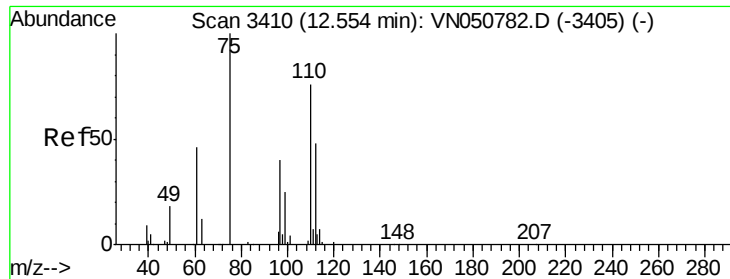


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 34.326 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

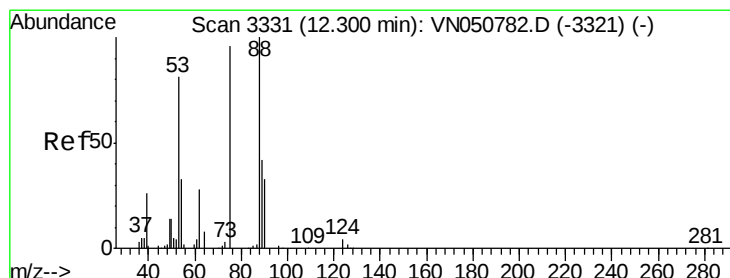
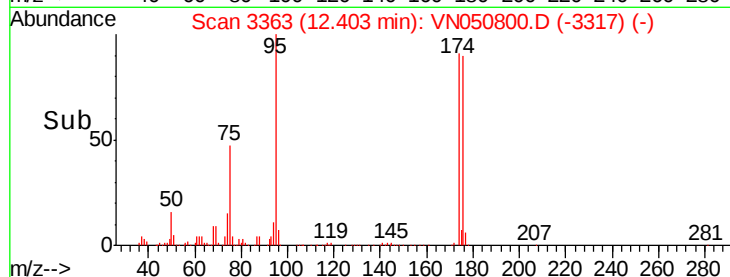
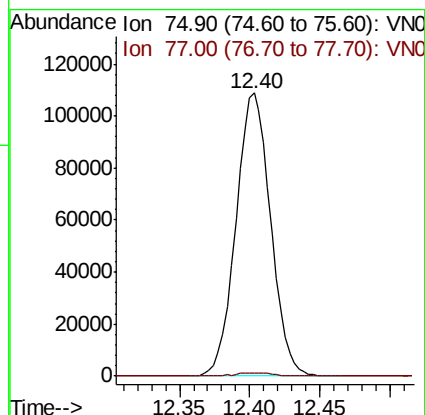
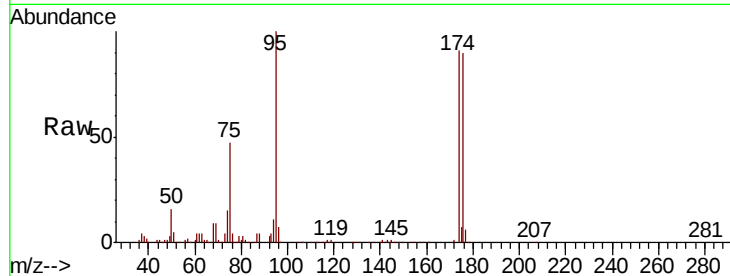
PB112227ZHE#06

Tot Ion: 75 Resp: 187258

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.040 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

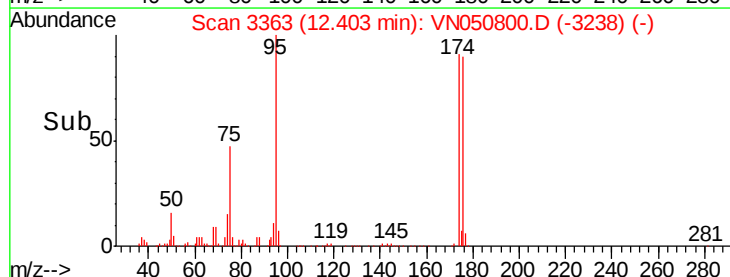
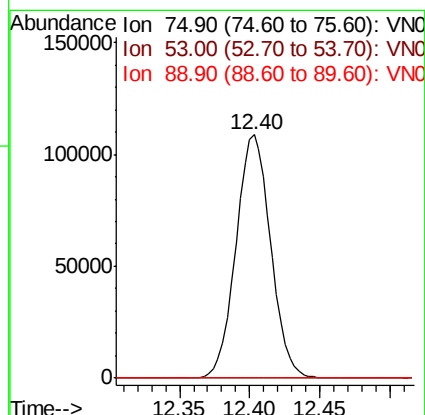
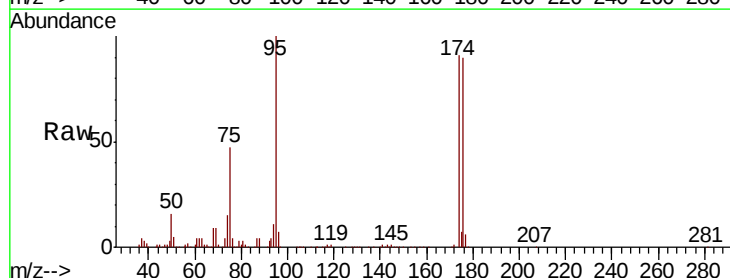
Tgt Ion: 75 Resp: 187258

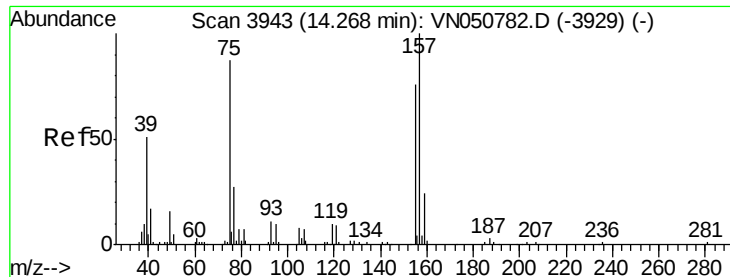
Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

89 0.0 36.1 54.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.219 ug/l

RT: 14.26 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#06

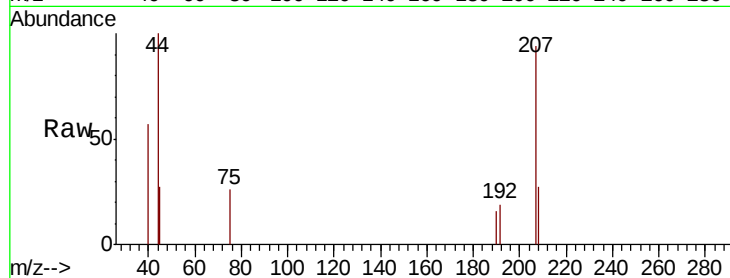
Tot Ion: 75 Resp: 203

Ion Ratio Lower Upper

75 100

155 0.0 46.4 139.1#

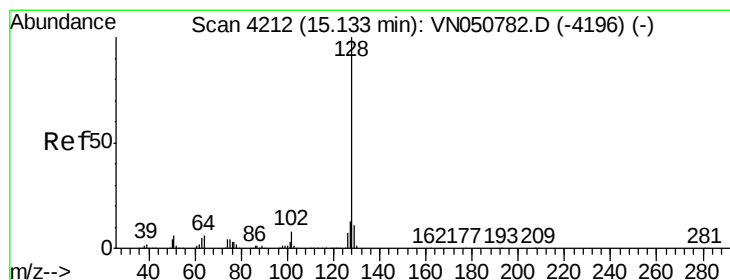
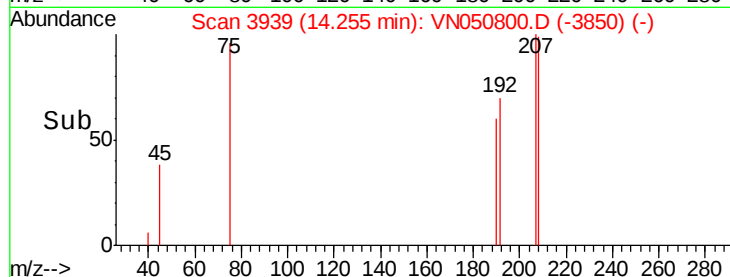
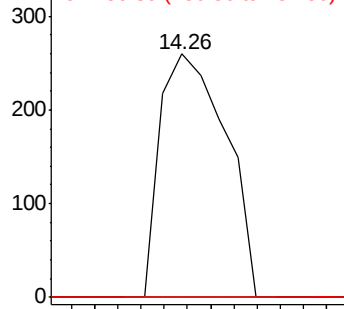
157 0.0 60.7 182.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 5.425 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050800.D

Acq: 21 Aug 2018 23:25

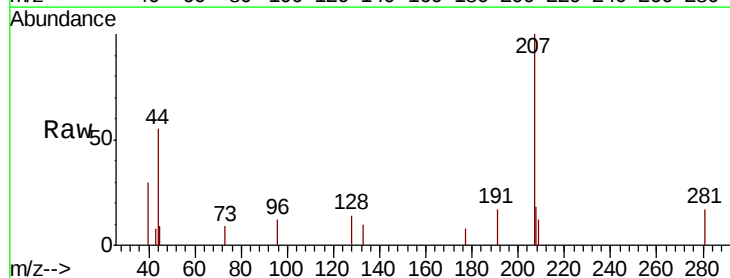
Tgt Ion: 128 Resp: 351

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

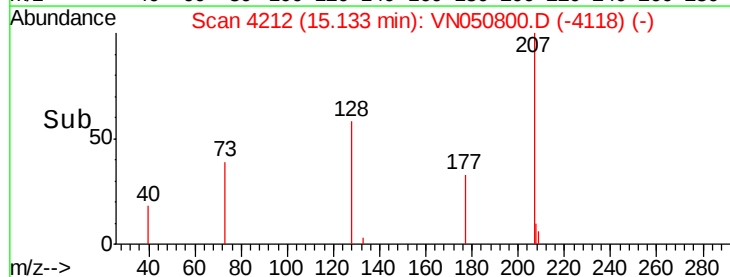
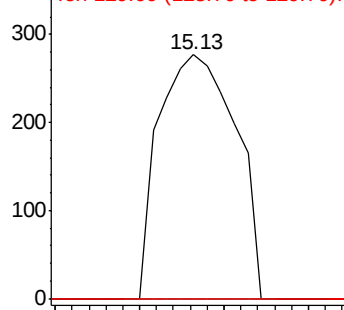
129 0.0 8.7 13.1#

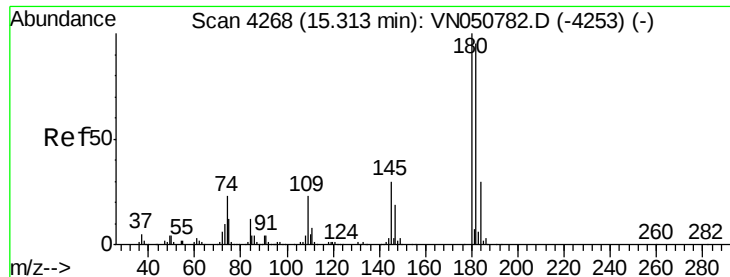


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

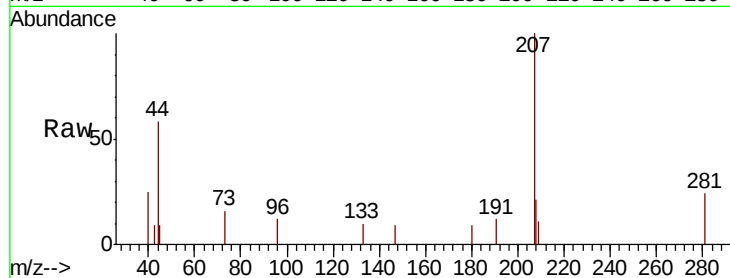




#96
 1,2,3-Trichlorobenzene
 Concen: 3.312 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.01 min
 Lab File: VN050800.D
 Acq: 21 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112227ZHE#06

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.0	144.2#
145	0.0	15.2	45.6#



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

