

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050818.D
 Acq On : 22 Aug 2018 14:38
 Operator : MD\SY
 Sample : PB112269TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112269TB

Quant Time: Aug 23 01:05:11 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	709294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1130736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	977595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	450465	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
35) Dibromofluoromethane	7.59	113	425518	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	10.09	98	1561338	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
62) 4-Bromofluorobenzene	12.40	95	481910	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	

Target Compounds

						Qvalue
5) Bromomethane	2.57	94	3205	Below Cal		87
10) Methyl Iodide	3.95	142	732	6.42	ug/l #	73
13) Acrolein	3.61	56	218	18.55	ug/l #	47
16) Acetone	3.82	43	21824	3.84	ug/l	96
18) Methyl Acetate	4.34	43	10458	1.30	ug/l	96
20) Methylene Chloride	4.55	84	55081	5.72	ug/l	97
25) 2-Butanone	6.86	43	3725	1.08	ug/l	95
29) Tetrahydrofuran	7.22	42	1196	0.61	ug/l #	57
31) Cyclohexane	7.67	56	11954	1.28	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	49452	3.71	ug/l #	48
37) Ethyl Acetate	6.86	43	3725	0.49	ug/l #	67
38) Carbon Tetrachloride	7.67	117	62410	4.63	ug/l #	17
43) Isopropyl Acetate	8.17	43	291371	22.11	ug/l	99
48) Methyl methacrylate	9.18	41	8209	1.22	ug/l #	19
51) 4-Methyl-2-Pentanone	9.99	43	2739	0.35	ug/l	98
56) Ethyl methacrylate	10.39	69	93	2.36	ug/l #	28
59) 2-Hexanone	10.77	43	20353	3.89	ug/l #	58
68) m/p-Xylenes	11.62	106	4096	0.26	ug/l #	71
70) Styrene	11.96	104	1069	1.31	ug/l #	67
71) Bromoform	12.40	173	2473	0.38	ug/l #	1
74) N-amyl acetate	12.05	43	110053	13.45	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.45	83	6050	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	224661	32.62	ug/l #	100
78) n-propylbenzene	12.59	91	7860	0.22	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	19414	0.74	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	224661	110.28	ug/l #	15
83) tert-Butylbenzene	13.23	119	5207	0.23	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	37320	1.41	ug/l	98
89) n-Butylbenzene	13.62	91	7136	0.35	ug/l #	82
90) Hexachloroethane	13.89	117	1363	0.47	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.26	75	381	0.33	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	1074	4.21	ug/l #	59
94) Hexachlorobutadiene	15.01	225	809	Below Cal		81
95) Naphthalene	15.14	128	11661	6.06	ug/l	96

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Response via : Initial Calibration

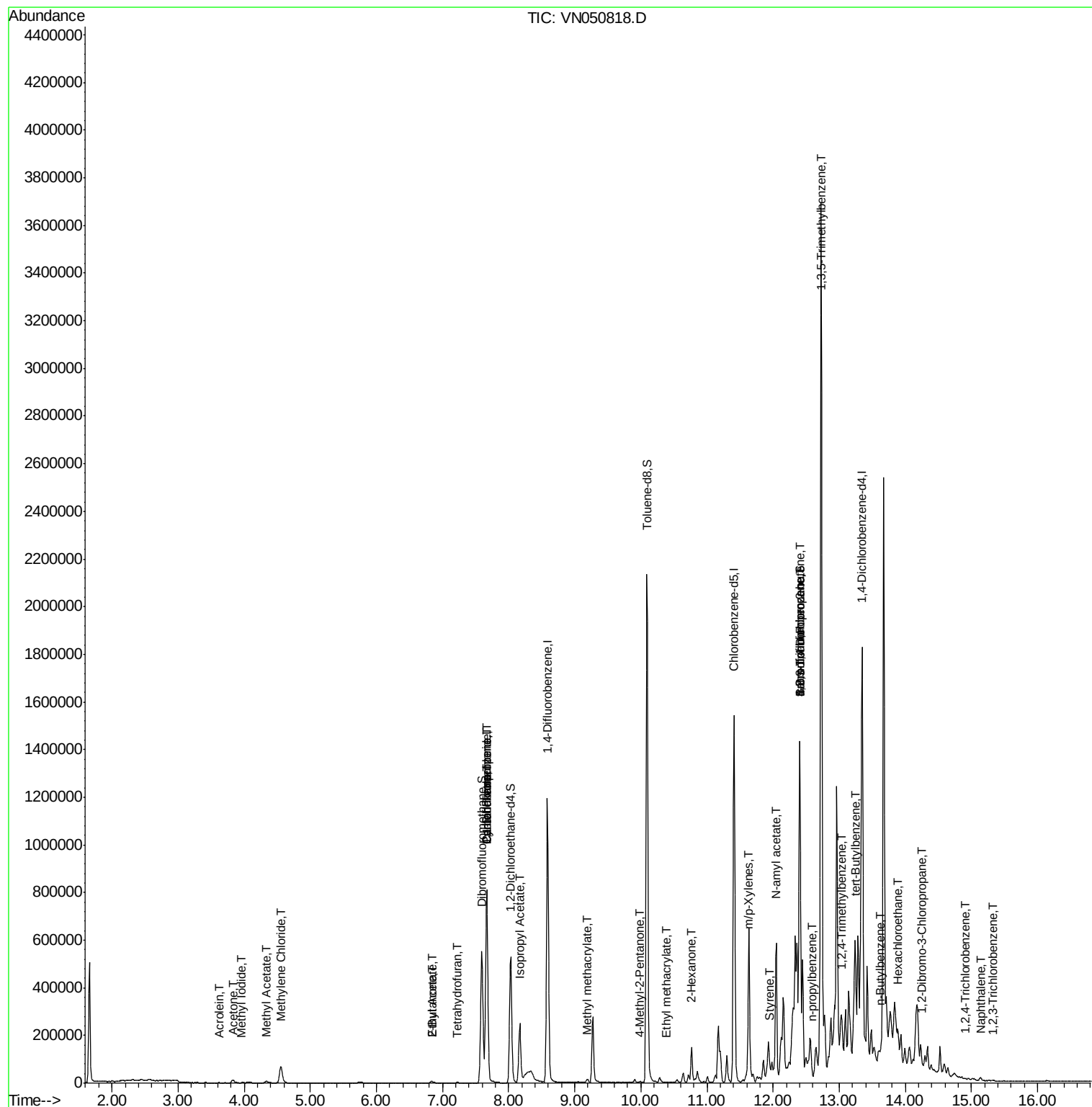
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	1126	3.44	ug/l #	77

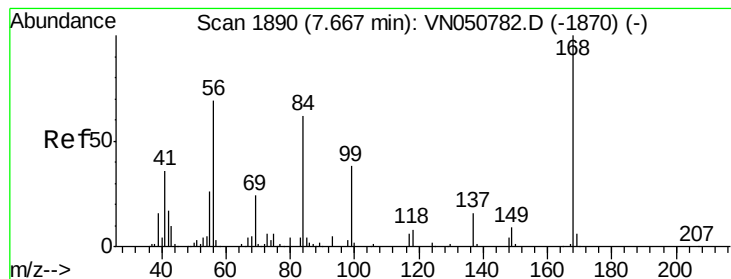
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampleId :

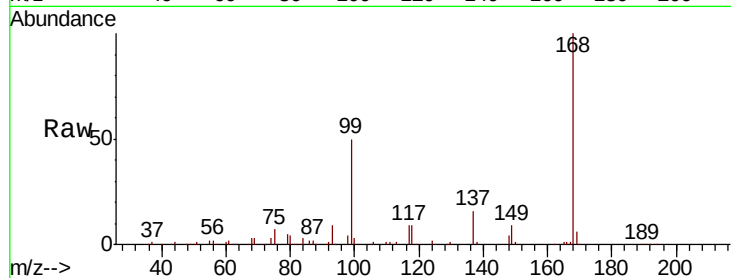
PB112269TB

Tot Ion:168 Resp: 709294

Ion Ratio Lower Upper

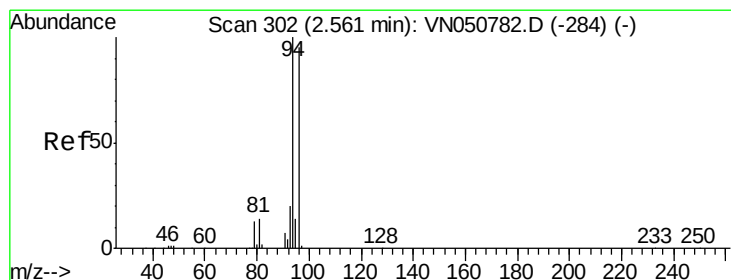
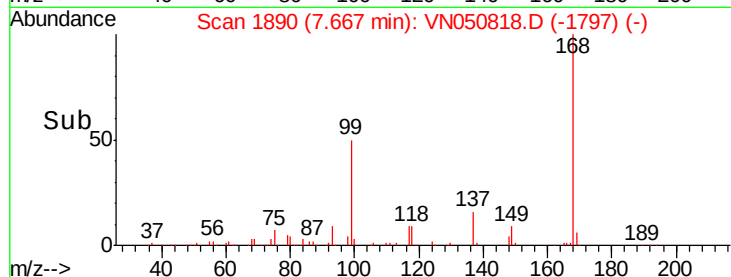
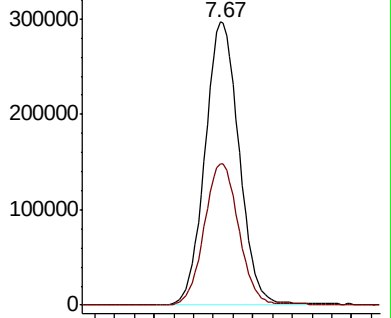
168 100

99 50.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050818.D

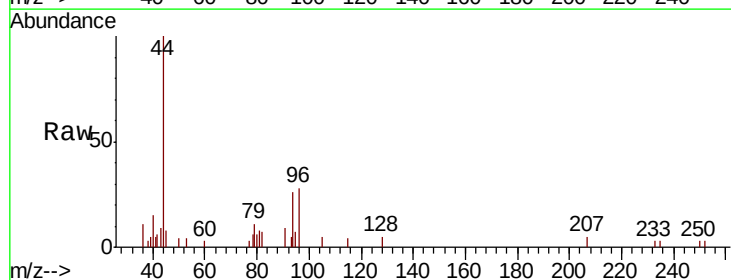
Acq: 22 Aug 2018 14:38

Tgt Ion: 94 Resp: 3205

Ion Ratio Lower Upper

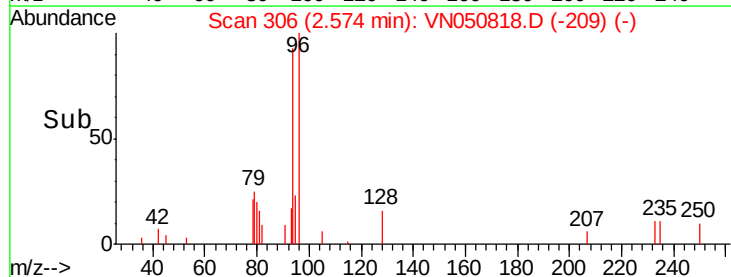
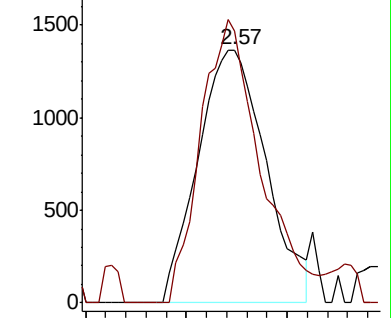
94 100

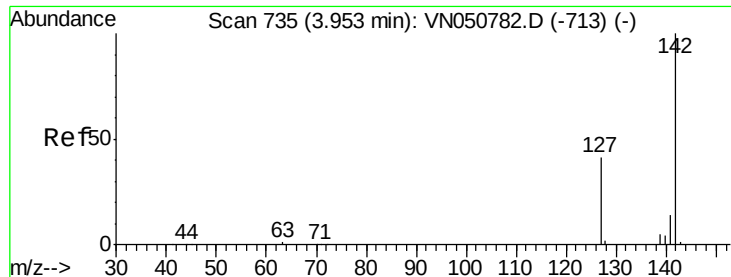
96 107.5 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

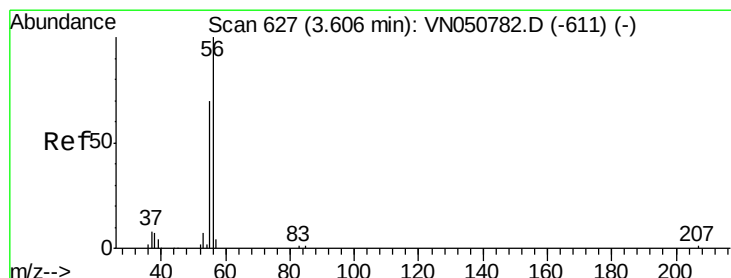
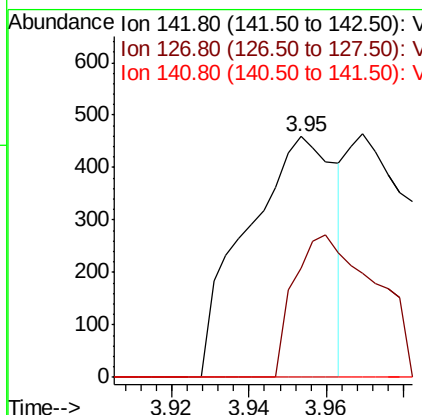
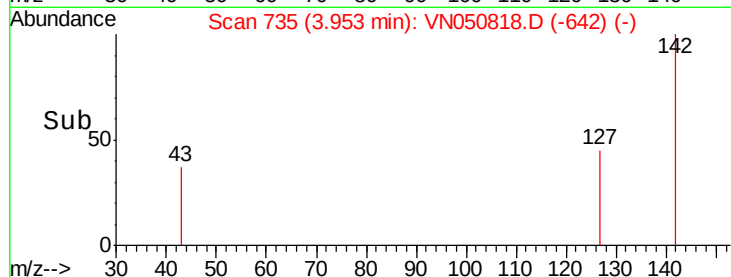
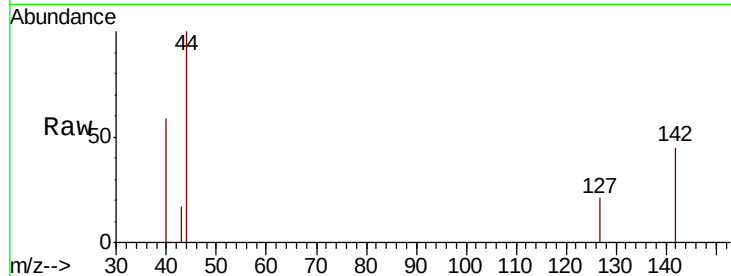




#10
Methvl Iodide
Concen: 6.42 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050818.D
Acq: 22 Aug 2018 14:38

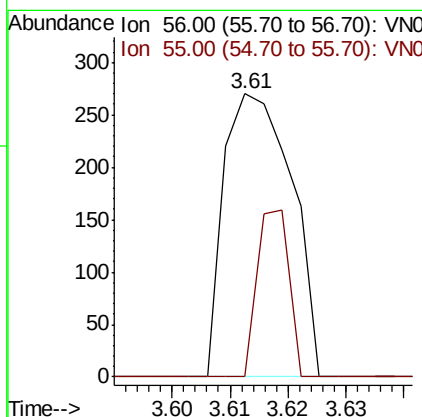
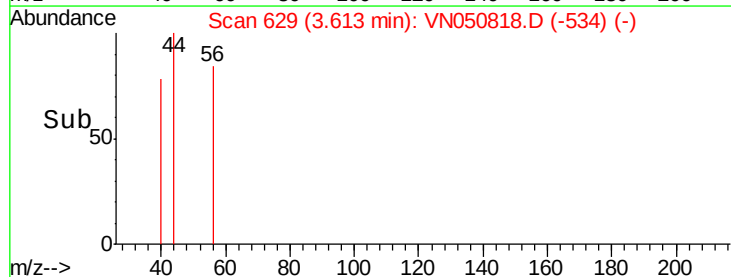
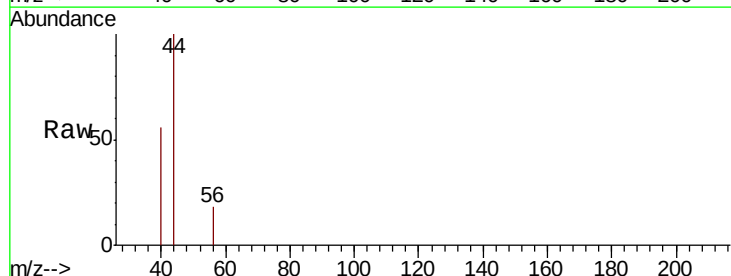
Instrument :
MSVOA_N
ClientSampleId :
PB112269TB

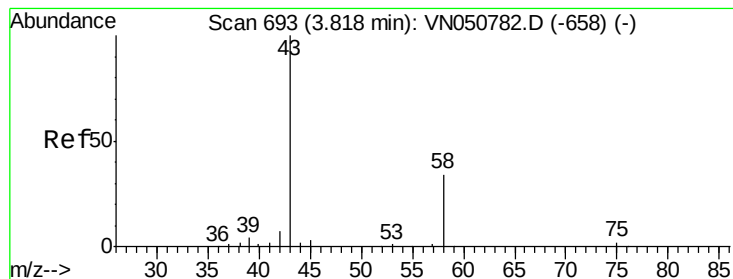
Tot Ion:142 Resp: 732
Ion Ratio Lower Upper
142 100
127 54.1 31.7 47.5#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 18.55 ug/l
RT: 3.61 min Scan# 629
Delta R.T. 0.01 min
Lab File: VN050818.D
Acq: 22 Aug 2018 14:38

Tgt Ion: 56 Resp: 218
Ion Ratio Lower Upper
56 100
55 28.0 57.7 86.5#





#16

Acetone

Concen: 3.84 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampleId :

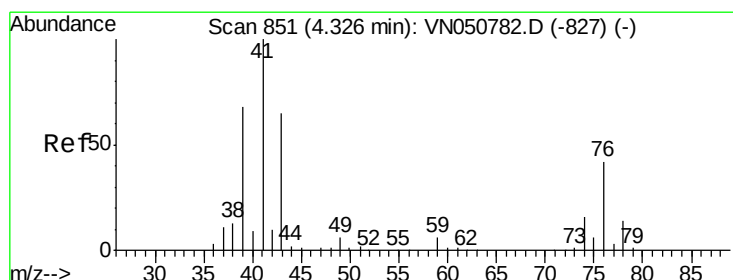
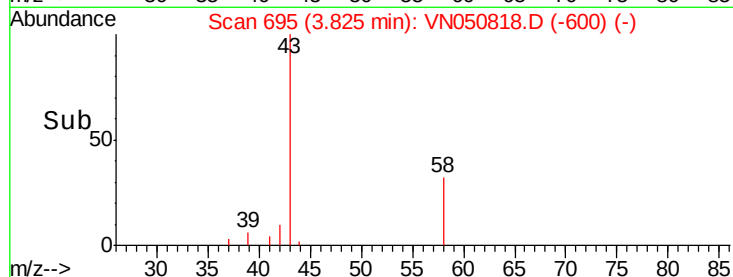
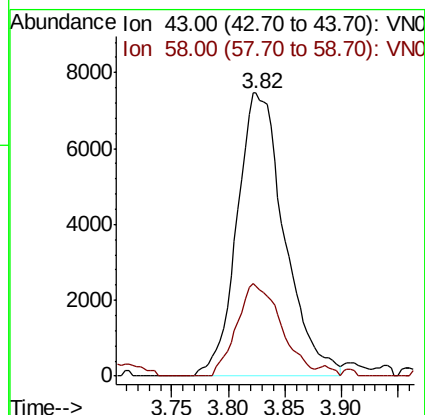
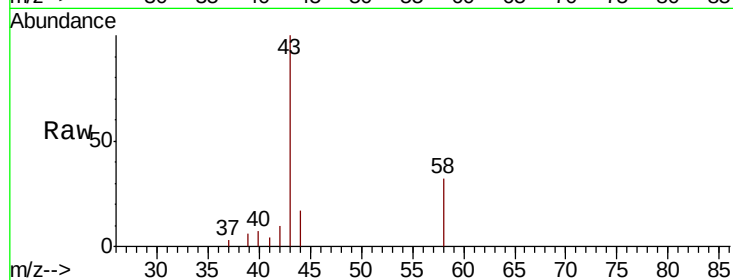
PB112269TB

Tot Ion: 43 Resp: 21824

Ion Ratio Lower Upper

43 100

58 31.9 27.2 40.8



#18

Methyl Acetate

Concen: 1.30 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050818.D

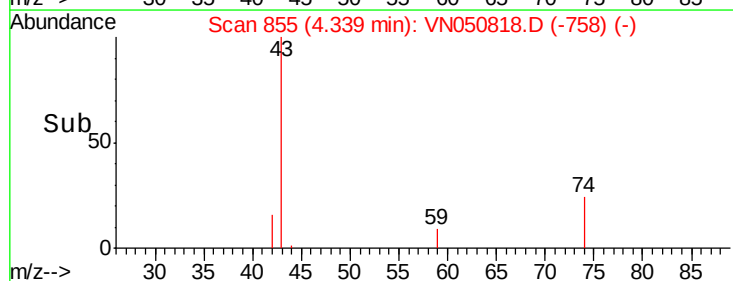
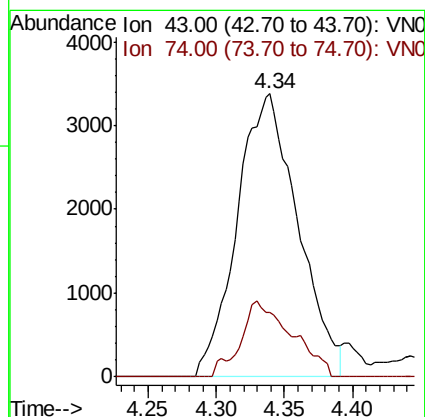
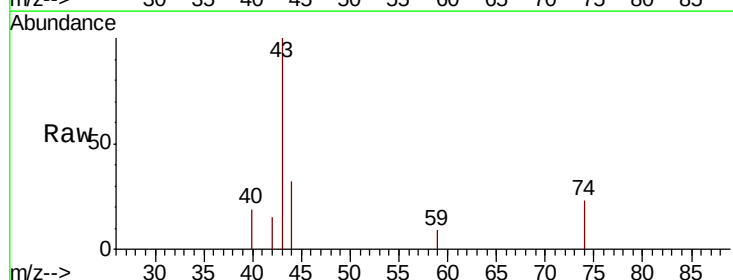
Acq: 22 Aug 2018 14:38

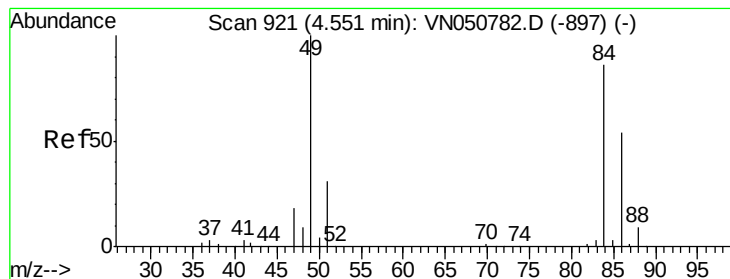
Tgt Ion: 43 Resp: 10458

Ion Ratio Lower Upper

43 100

74 22.6 19.8 29.8





#20

Methvlene Chloride

Concen: 5.72 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB112269TB

Tot Ion: 84 Resp: 55081

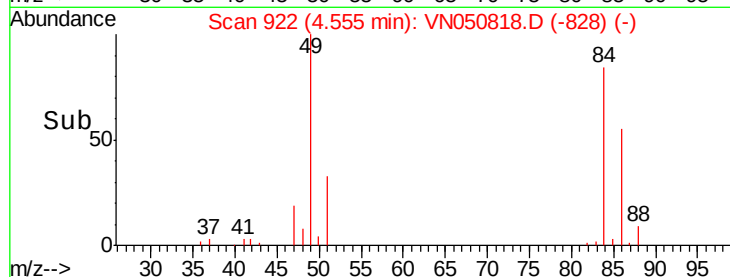
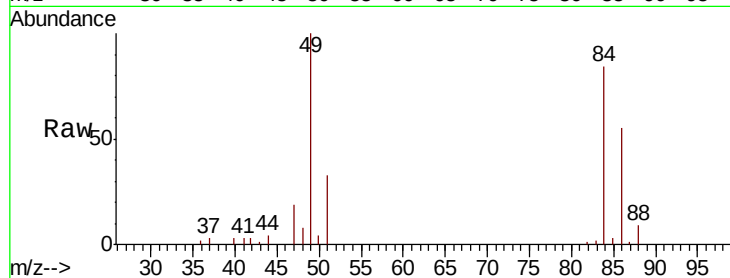
Ion Ratio Lower Upper

84 100

49 119.2 93.2 139.8

51 39.0 29.0 43.6

86 65.4 49.8 74.8

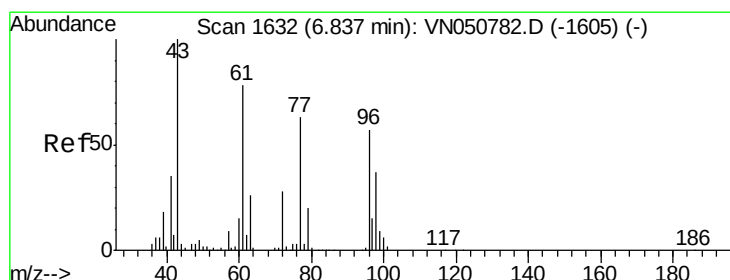
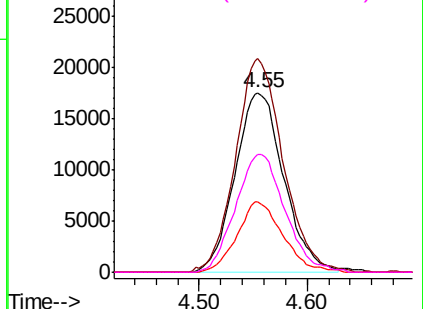


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 1.08 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.02 min

Lab File: VN050818.D

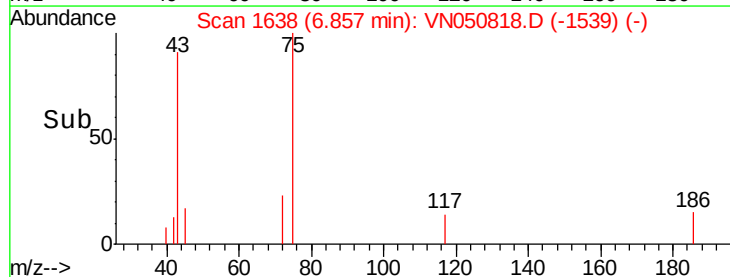
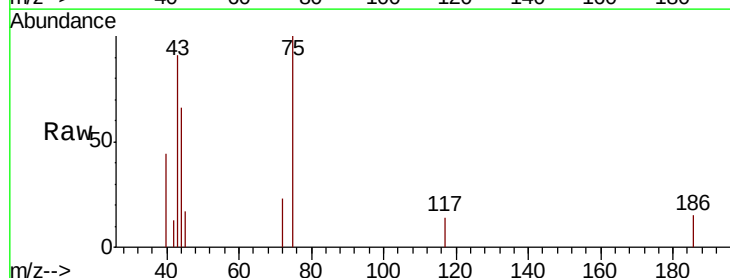
Acq: 22 Aug 2018 14:38

Tgt Ion: 43 Resp: 3725

Ion Ratio Lower Upper

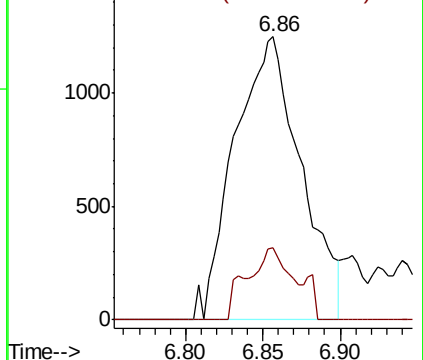
43 100

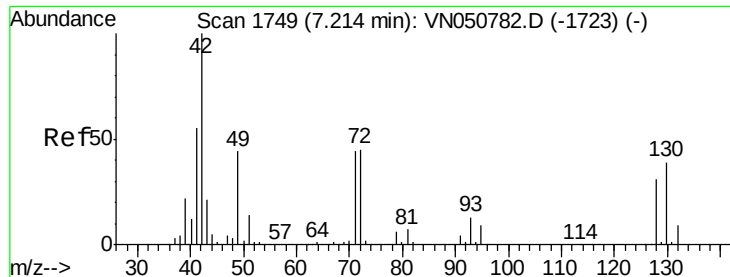
72 25.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

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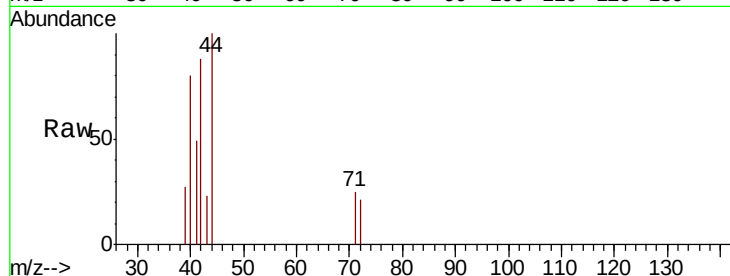
Tot Ion: 42 Resp: 1196

Ion Ratio Lower Upper

42 100

72 18.6 35.5 53.3#

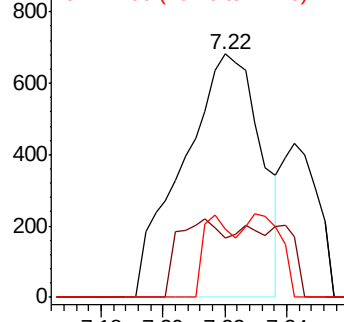
71 12.8 33.7 50.5#



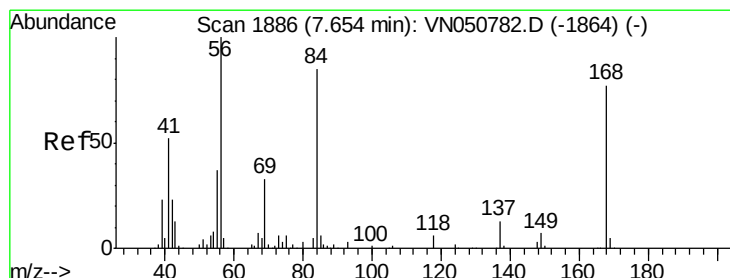
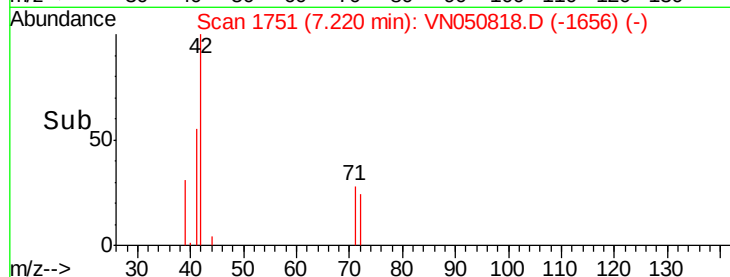
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#31

Cyclohexane

Concen: 1.28 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

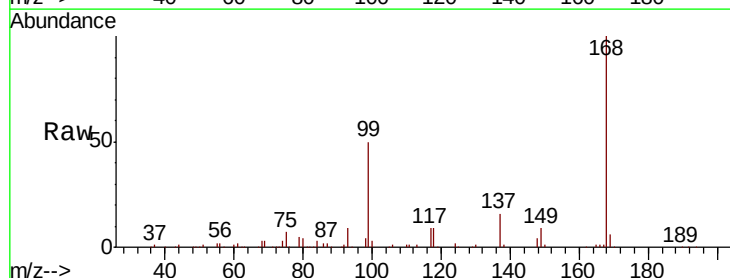
Tgt Ion: 56 Resp: 11954

Ion Ratio Lower Upper

56 100

69 197.3 26.2 39.4#

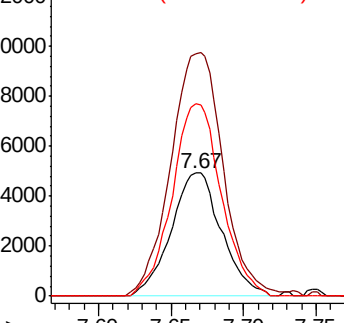
84 156.9 68.3 102.5#



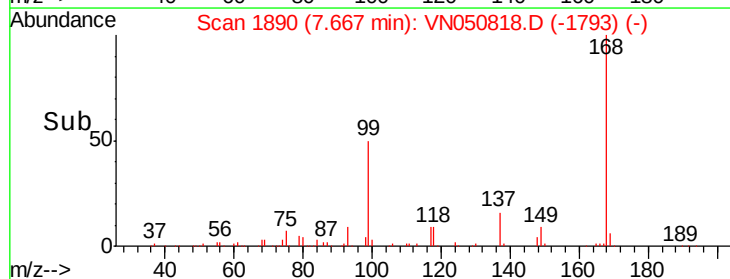
Abundance Ion 56.00 (55.70 to 56.70): VN0

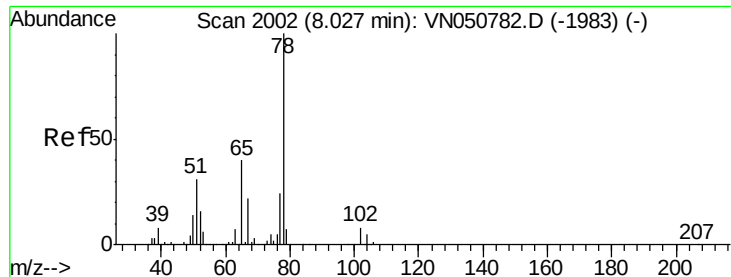
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

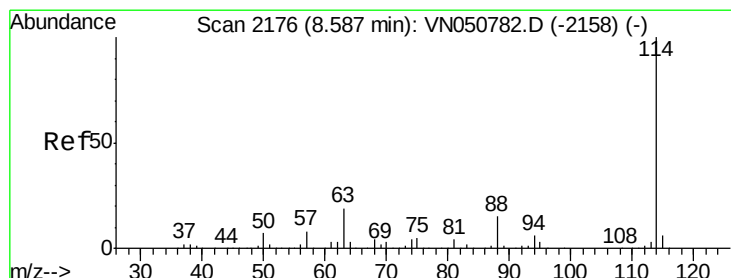
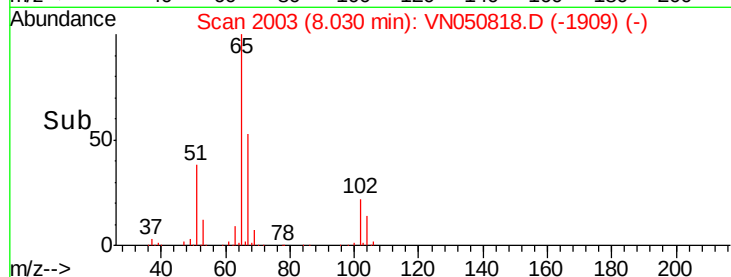
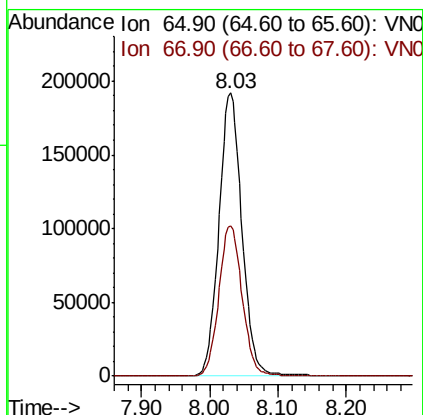
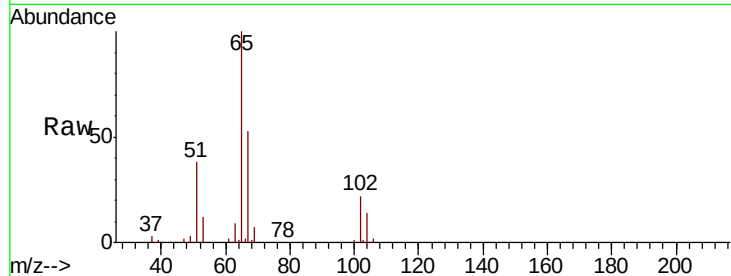




#33
 1,2-Dichloroethane-d4
 Concen: 52.75 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050818.D
 Acq: 22 Aug 2018 14:38

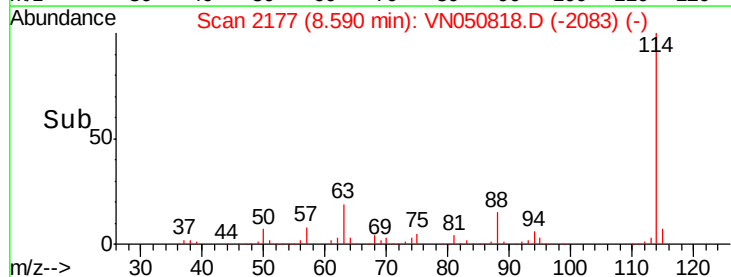
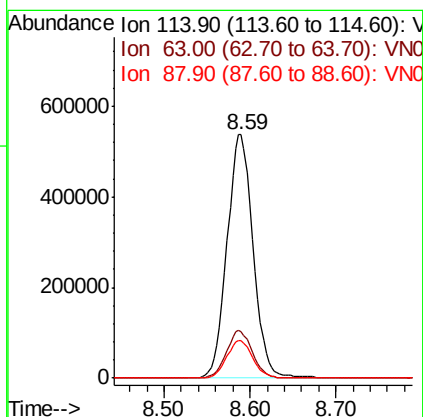
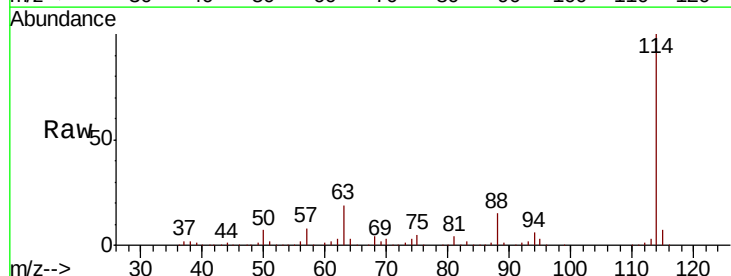
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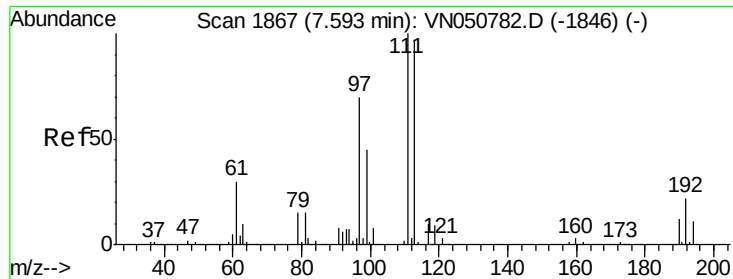
Tot Ion: 65 Resp: 450465
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050818.D
 Acq: 22 Aug 2018 14:38

Tgt Ion: 114 Resp: 1130736
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.4 0.0 30.6

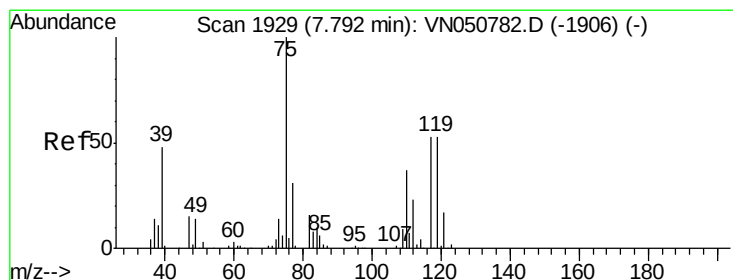
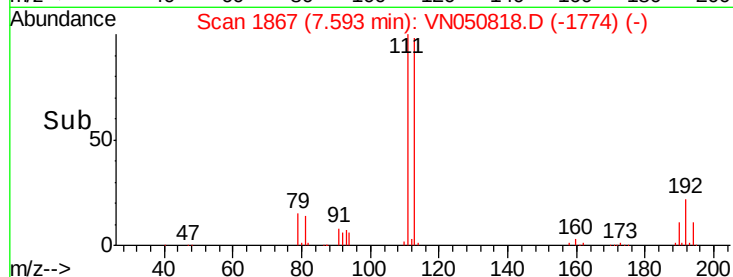
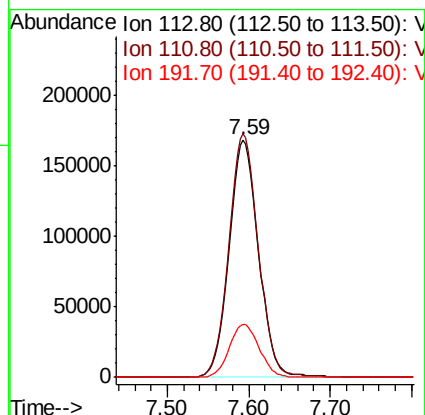
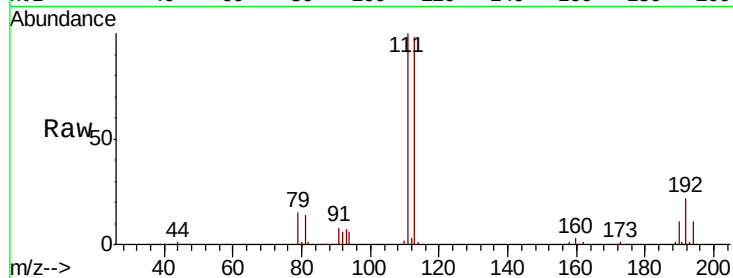




#35
 Dibromofluoromethane
 Concen: 47.30 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050818.D
 Acq: 22 Aug 2018 14:38

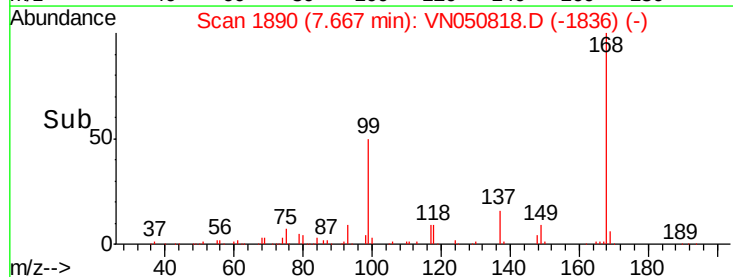
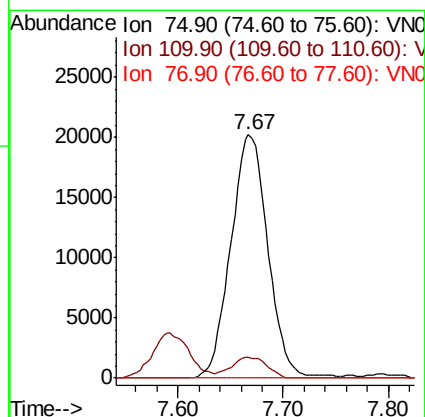
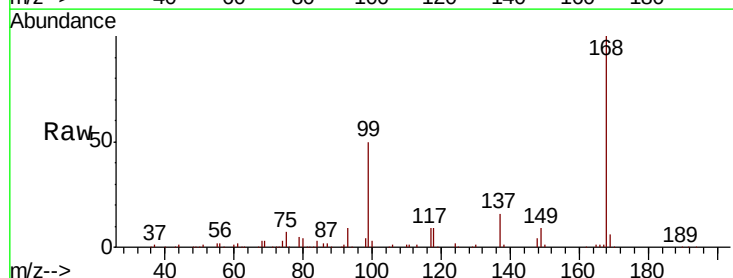
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112269TB

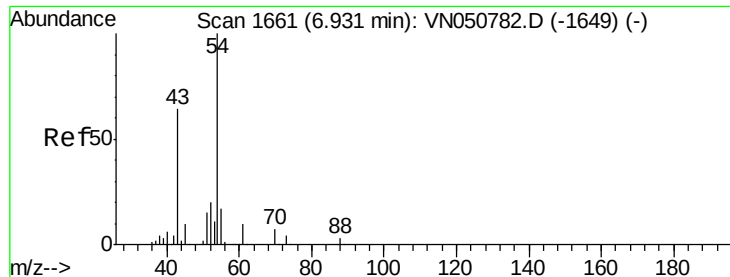
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	22.8	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050818.D
 Acq: 22 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.4#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 0.49 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. -0.07 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB112269TB

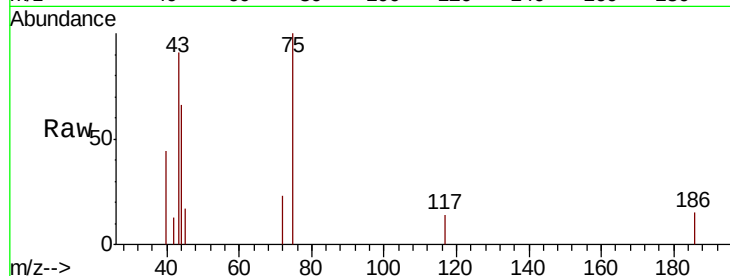
Tot Ion: 43 Resp: 3725

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

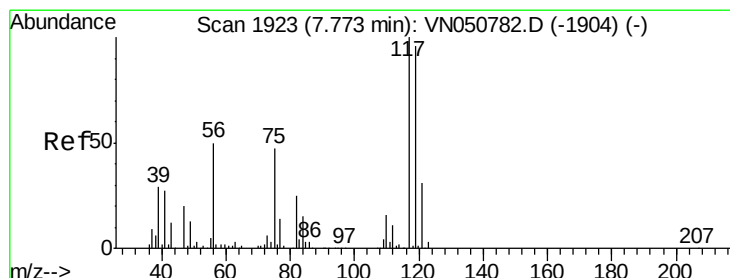
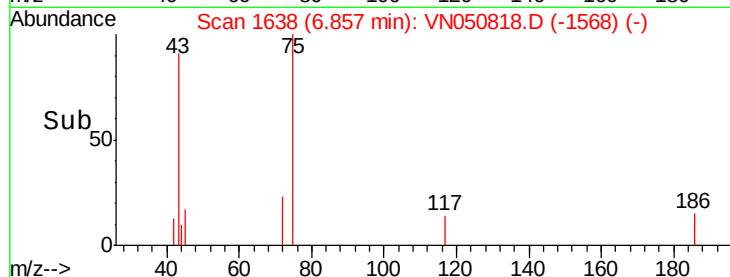
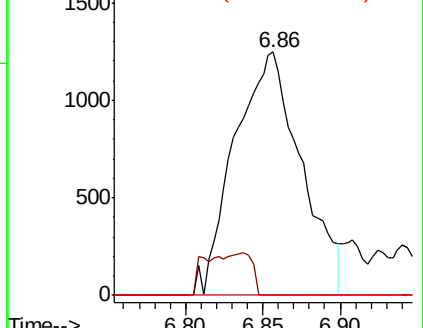
70 0.0 8.6 13.0#



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: 4.63 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

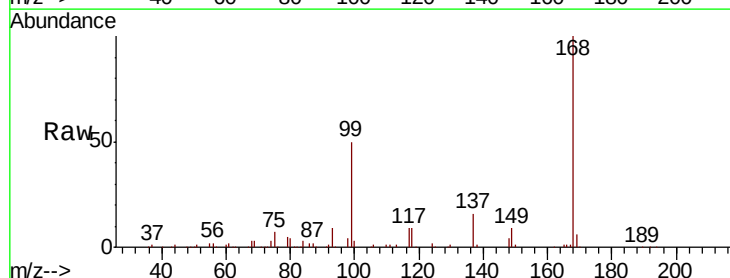
Tgt Ion: 117 Resp: 62410

Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

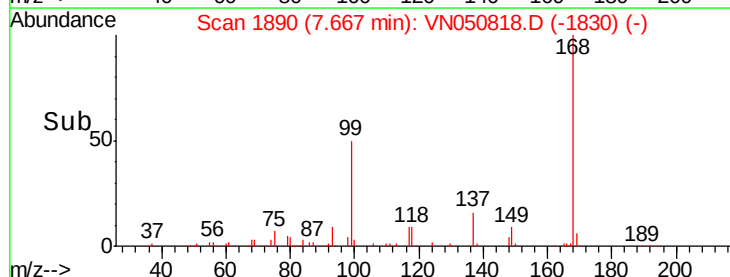
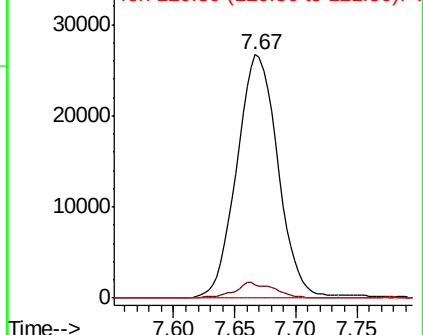
121 0.0 24.6 36.8#

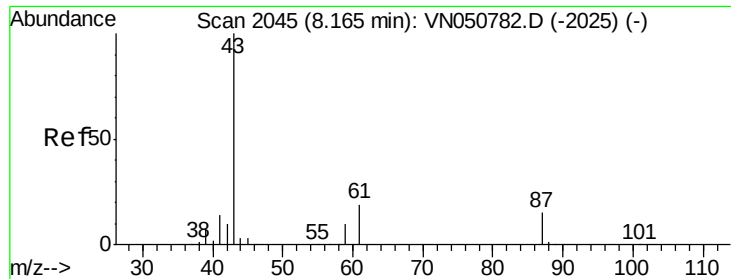


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 22.11 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampled :

PB112269TB

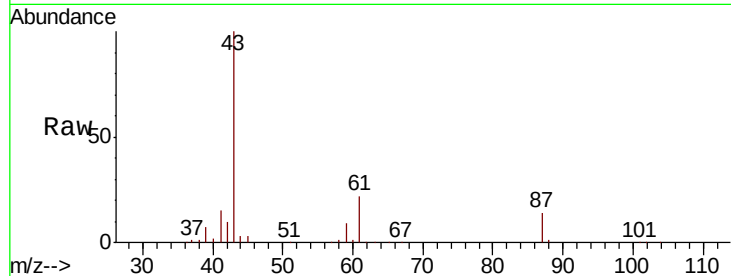
Tot Ion: 43 Resp: 291371

Ion Ratio Lower Upper

43 100

61 20.9 17.5 26.3

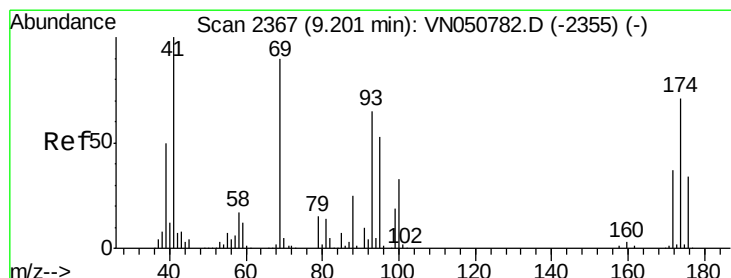
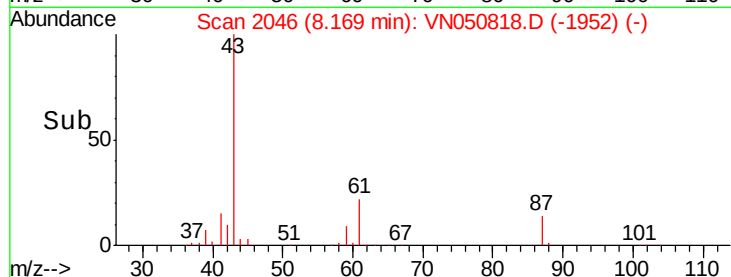
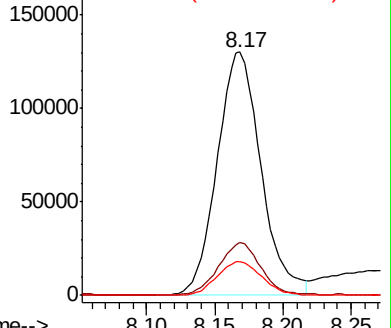
87 14.0 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.22 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

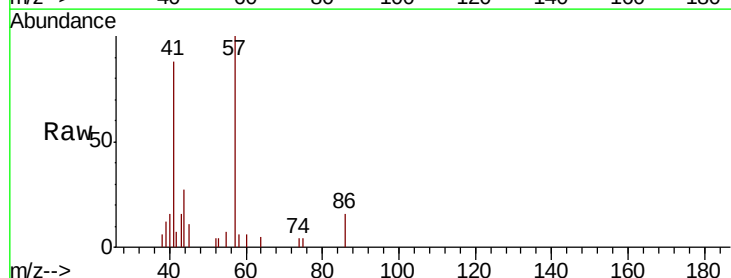
Tgt Ion: 41 Resp: 8209

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

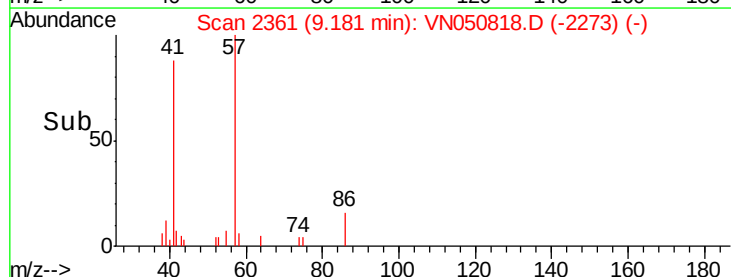
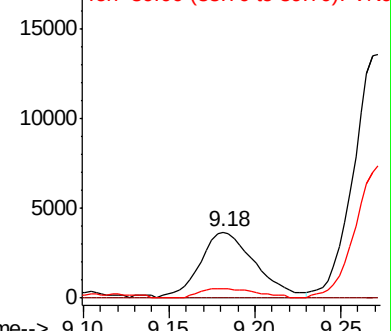
39 14.6 42.2 63.2#

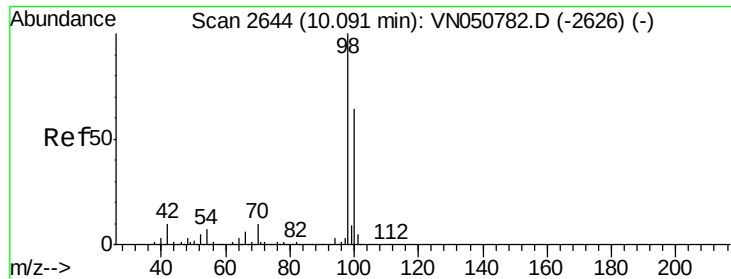


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

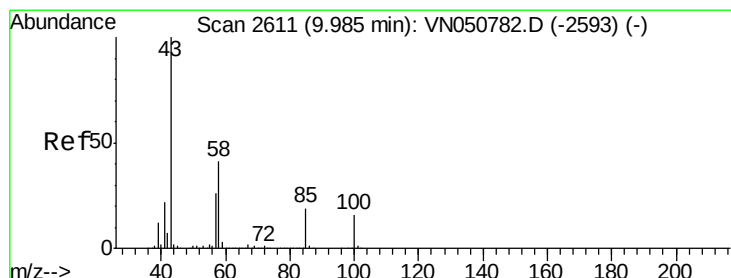
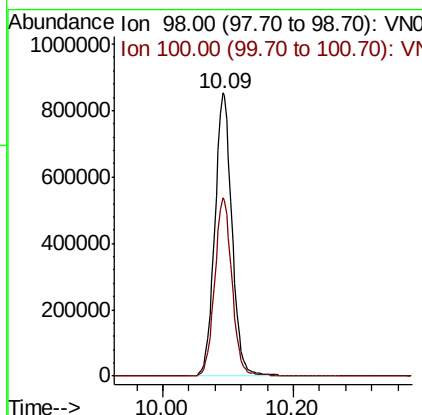
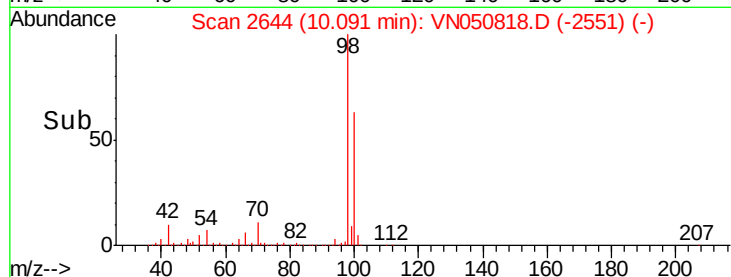
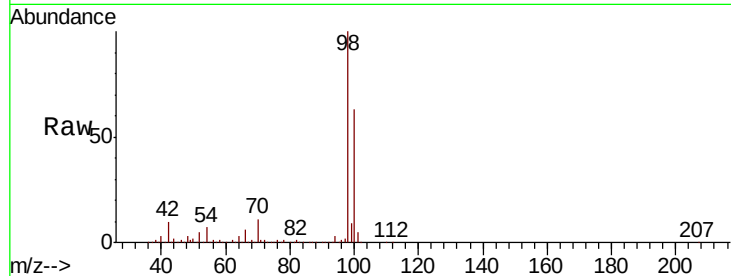




#50
Toluene-d8
Concen: 46.42 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050818.D
Acq: 22 Aug 2018 14:38

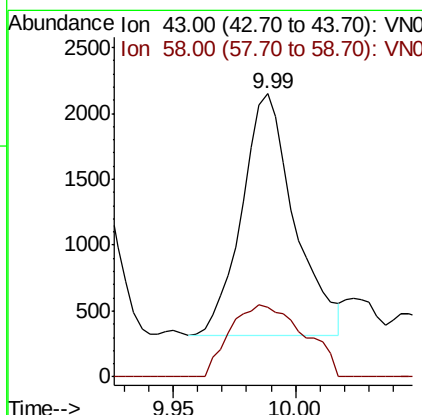
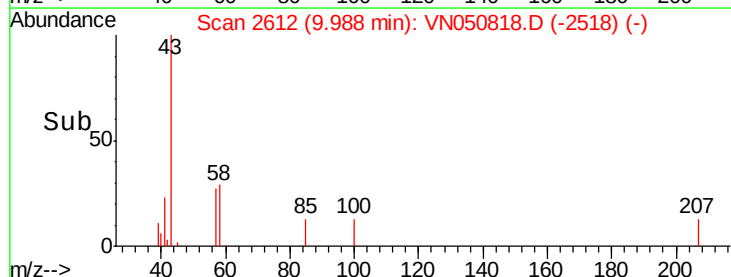
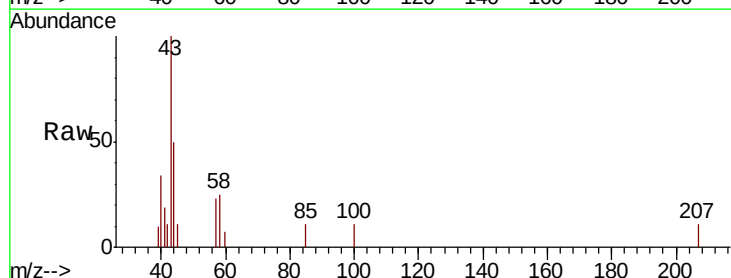
Instrument :
MSVOA_N
ClientSampleId :
PB112269TB

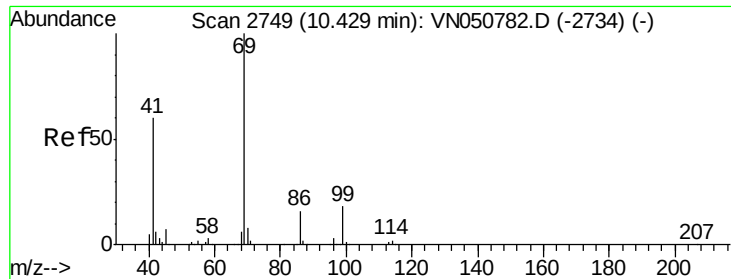
Tot Ion: 98 Resp: 1561338
Ion Ratio Lower Upper
98 100
100 63.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050818.D
Acq: 22 Aug 2018 14:38

Tgt Ion: 43 Resp: 2739
Ion Ratio Lower Upper
43 100
58 42.0 32.4 48.6





#56

Ethyl methacrylate

Concen: 2.36 ug/l

RT: 10.39 min Scan# 2736

Delta R.T. -0.04 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampled :

PB112269TB

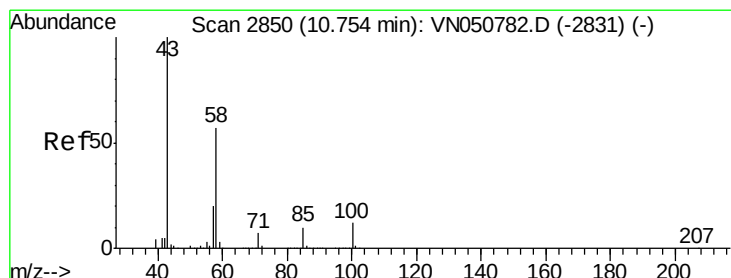
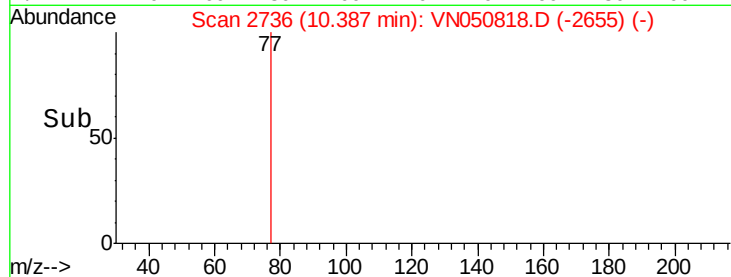
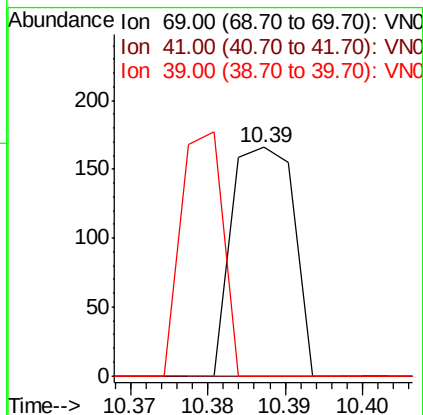
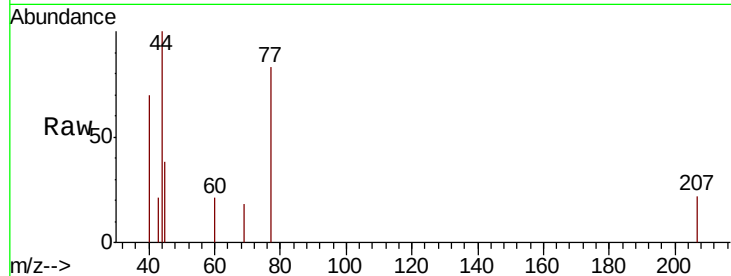
Tot Ion: 69 Resp: 93

Ion Ratio Lower Upper

69 100

41 0.0 48.3 72.5#

39 0.0 24.0 36.0#



#59

2-Hexanone

Concen: 3.89 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050818.D

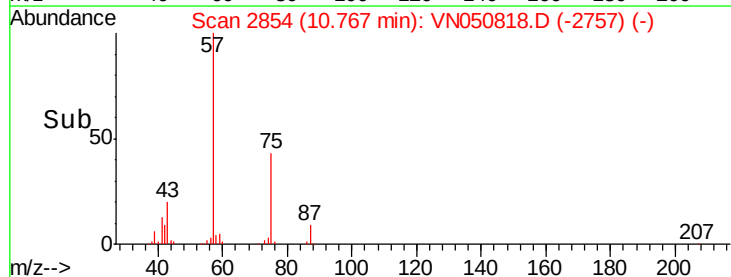
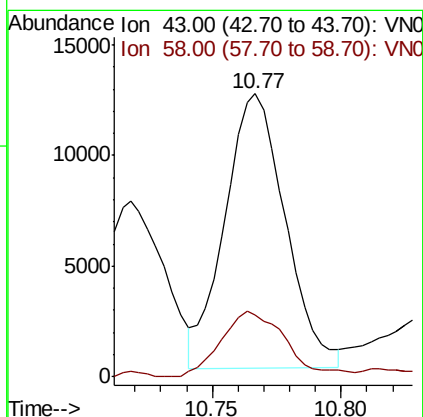
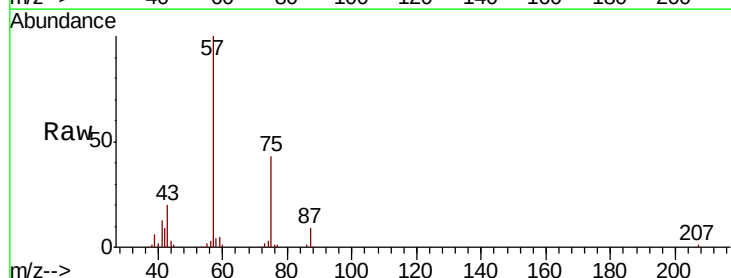
Acq: 22 Aug 2018 14:38

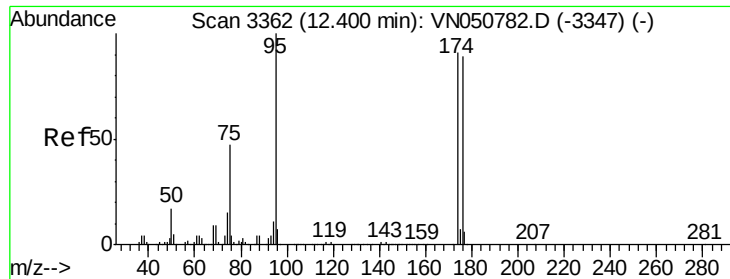
Tgt Ion: 43 Resp: 20353

Ion Ratio Lower Upper

43 100

58 25.5 28.3 85.0#

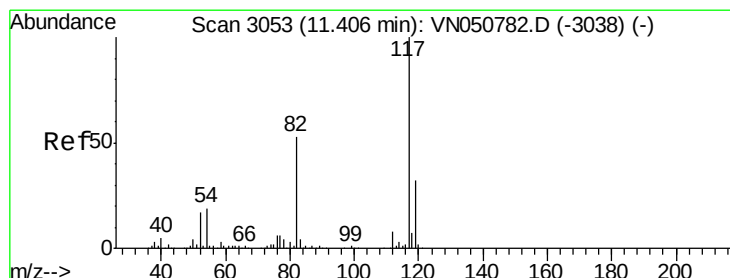
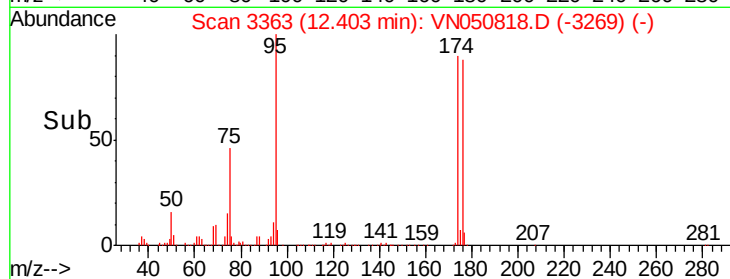
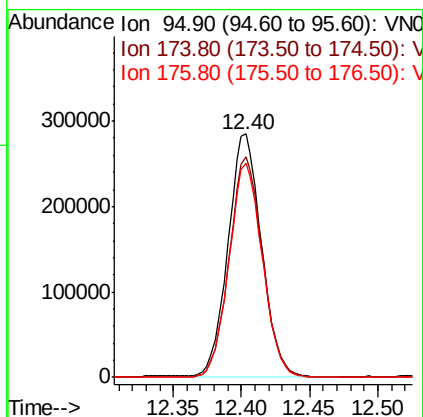
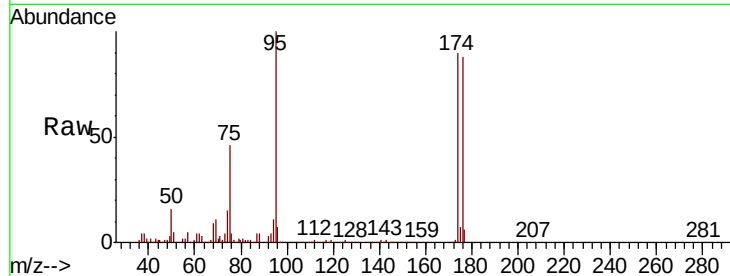




#62
4-Bromofluorobenzene
Concen: 43.12 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050818.D
Acq: 22 Aug 2018 14:38

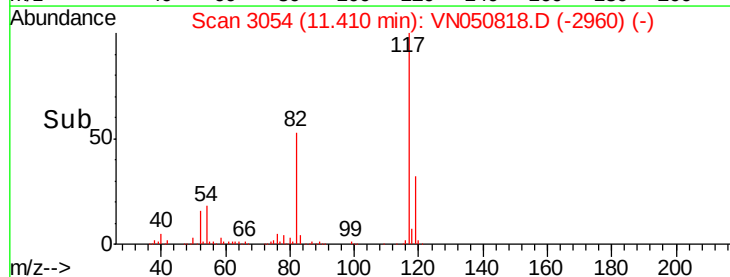
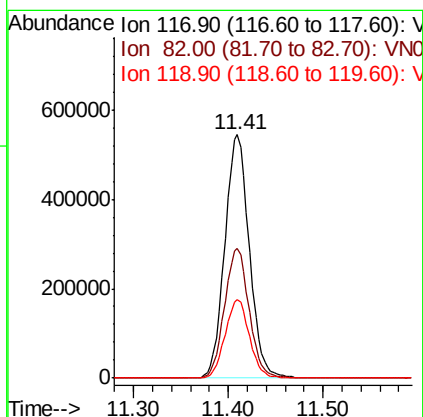
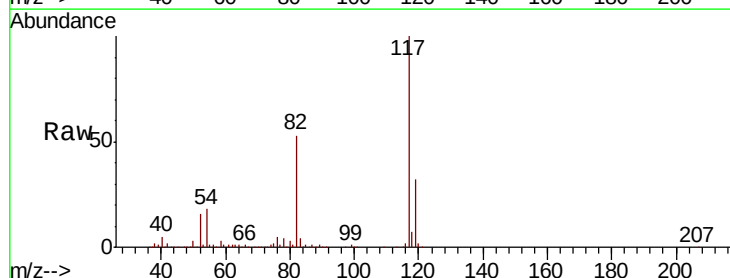
Instrument :
MSVOA_N
ClientSampleId :
PB112269TB

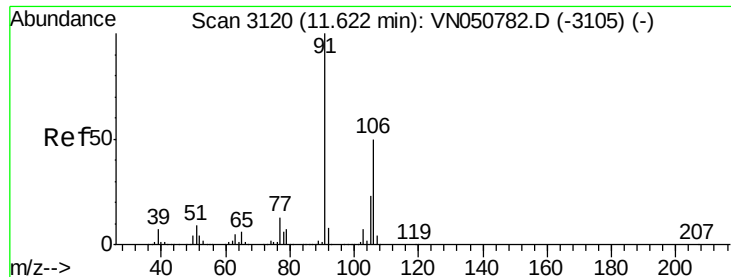
Tot Ion: 95 Resp: 481910
Ion Ratio Lower Upper
95 100
174 91.0 0.0 183.0
176 88.5 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050818.D
Acq: 22 Aug 2018 14:38

Tgt Ion: 117 Resp: 977595
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 32.1 25.8 38.6





#68

m/p-Xylenes

Concen: 0.26 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. -0.01 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampled :

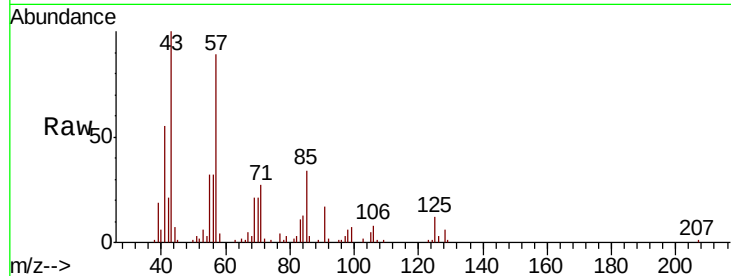
PB112269TB

Tot Ion:106 Resp: 4096

Ion Ratio Lower Upper

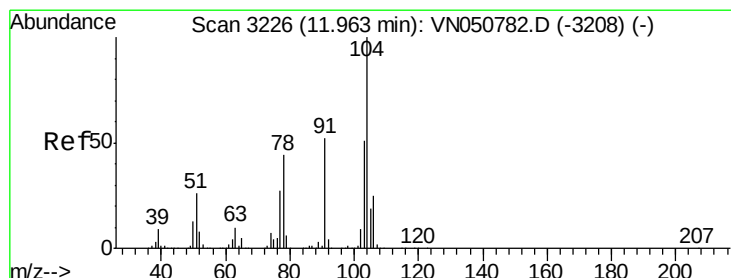
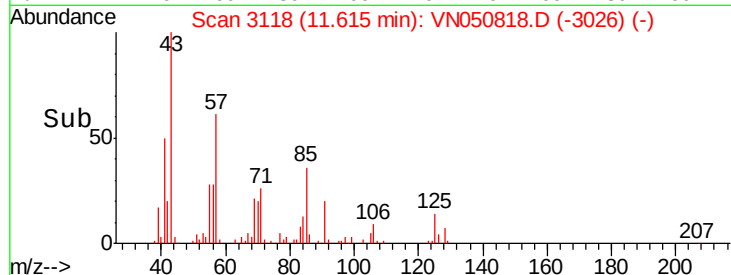
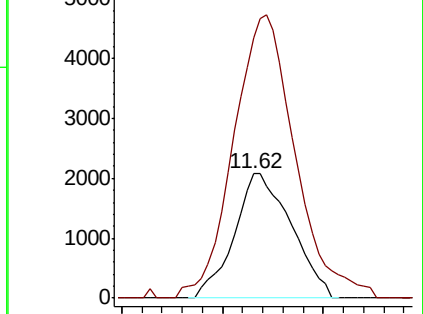
106 100

91 245.9 161.0 241.6#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 1.31 ug/l

RT: 11.96 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

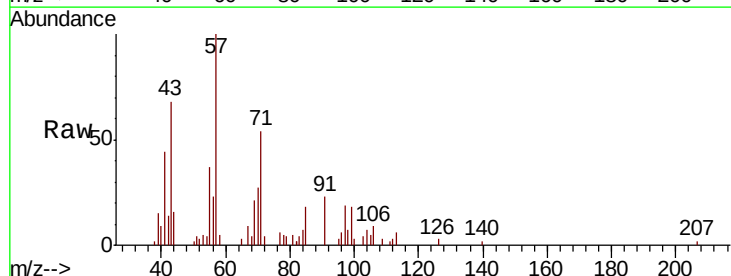
Tgt Ion:104 Resp: 1069

Ion Ratio Lower Upper

104 100

78 92.3 38.2 57.4#

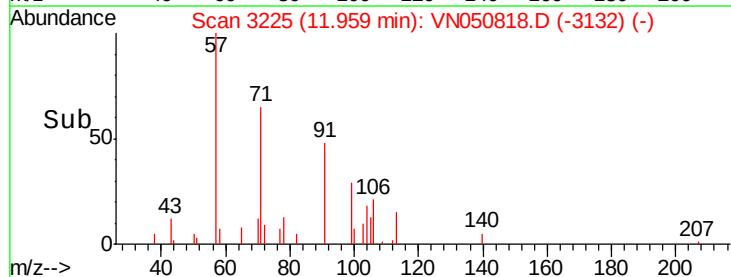
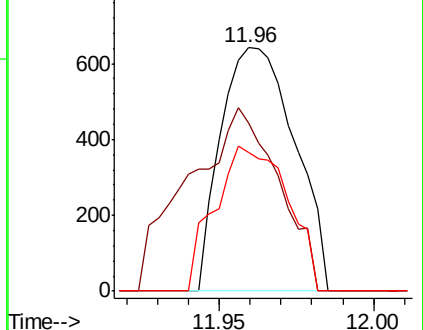
103 58.8 44.4 66.6

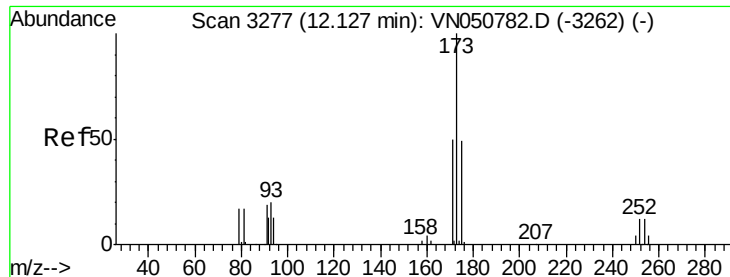


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.38 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB112269TB

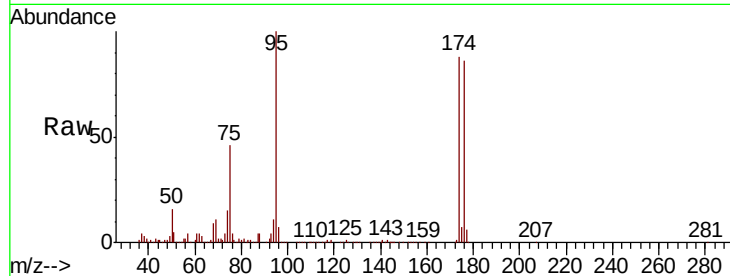
Tot Ion:173 Resp: 2473

Ion Ratio Lower Upper

173 100

175 1081.1 24.4 73.4#

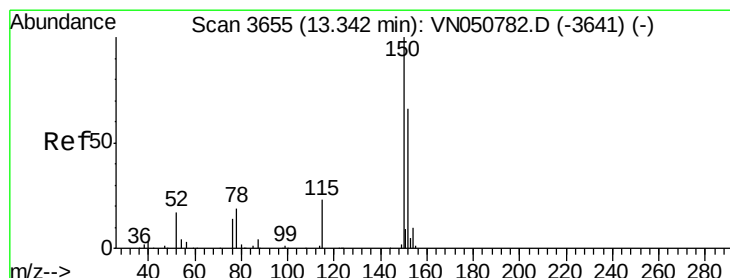
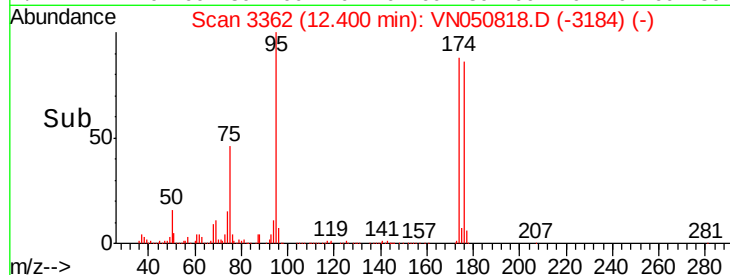
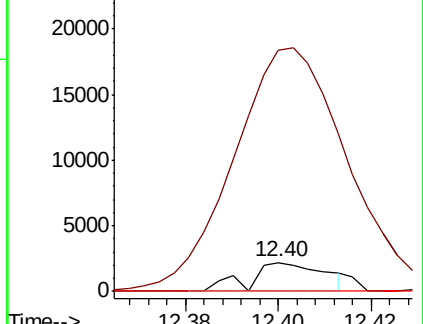
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

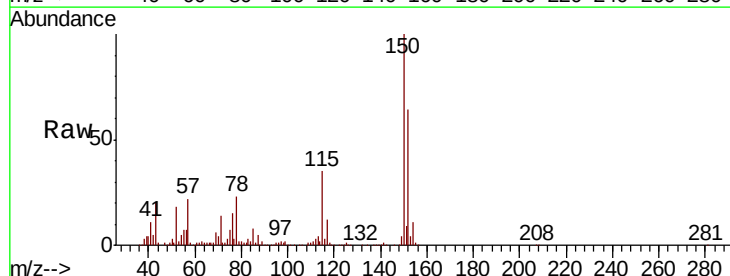
Tgt Ion:152 Resp: 393196

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

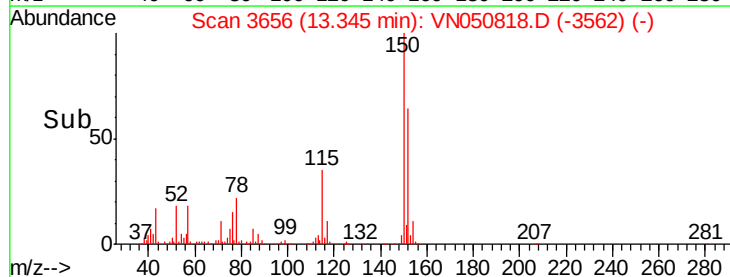
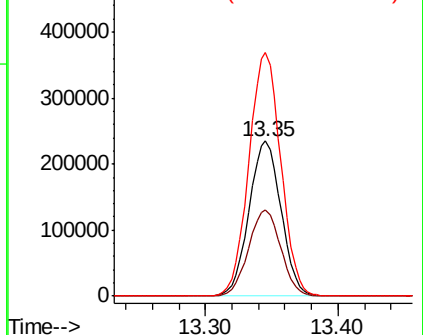
150 156.5 0.0 351.4

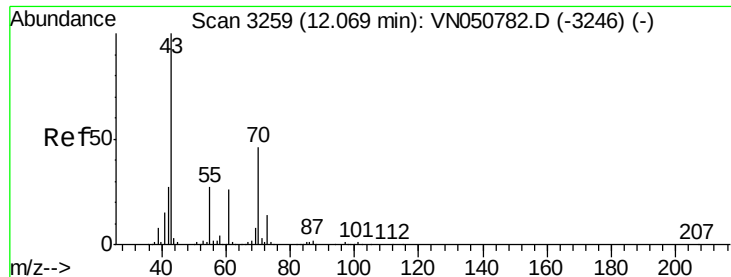


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 13.45 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.02 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampled :

PB112269TB

Tot Ion: 43 Resp: 110053

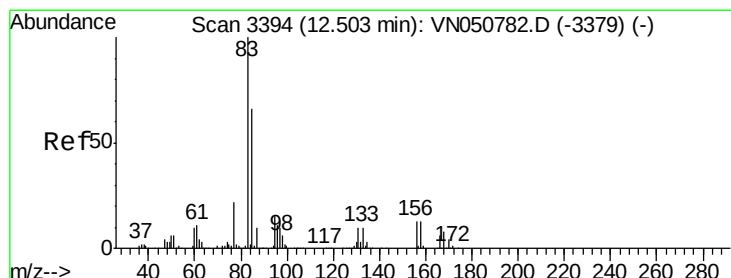
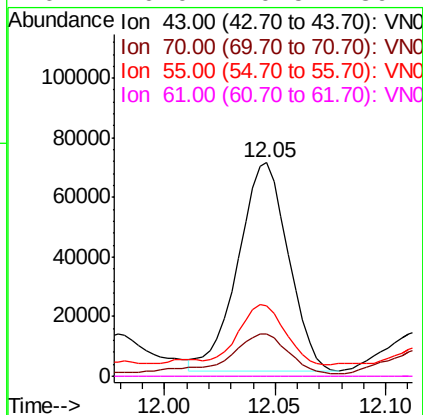
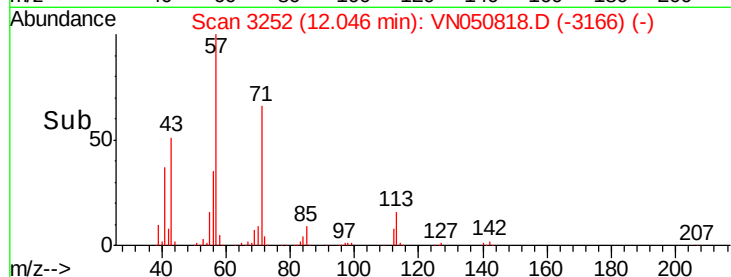
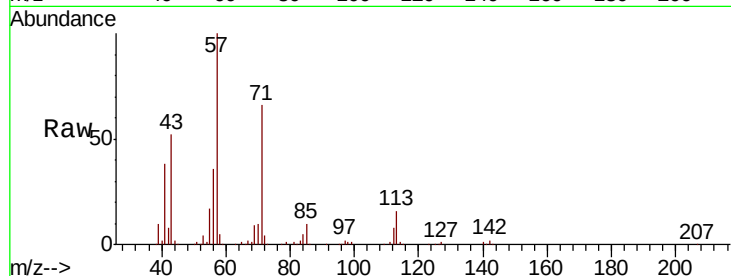
Ion Ratio Lower Upper

43 100

70 22.4 36.2 54.2#

55 27.3 21.8 32.8

61 0.0 20.5 30.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.45 min Scan# 3377

Delta R.T. -0.05 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

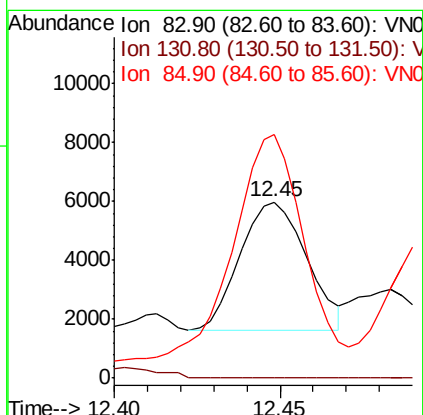
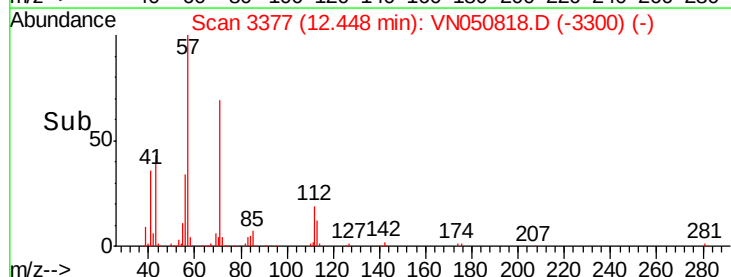
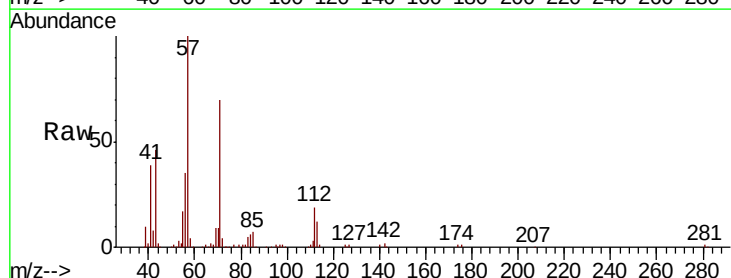
Tgt Ion: 83 Resp: 6050

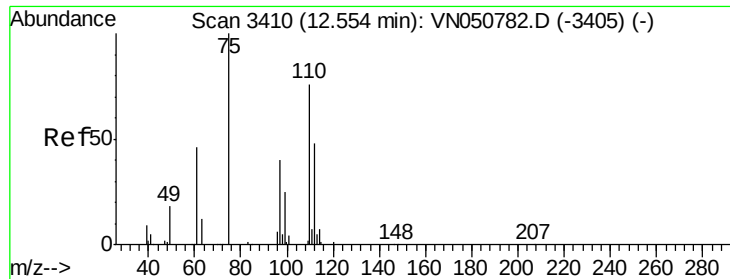
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 186.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 32.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampled :

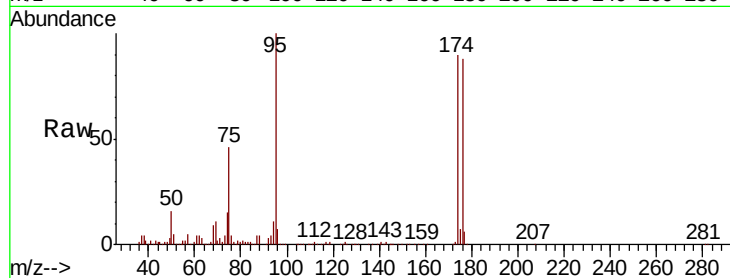
PB112269TB

Tot Ion: 75 Resp: 224661

Ion Ratio Lower Upper

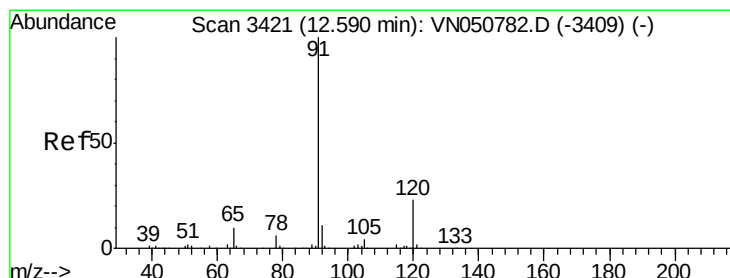
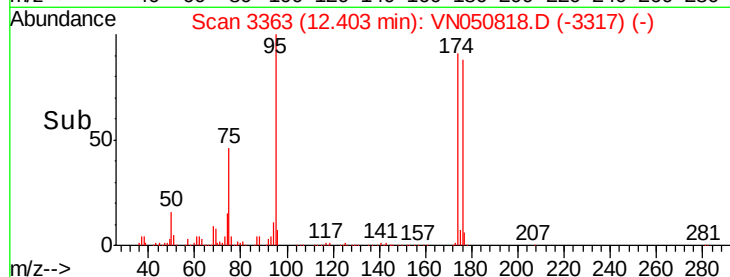
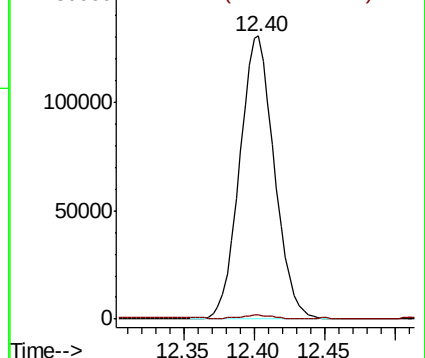
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.22 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050818.D

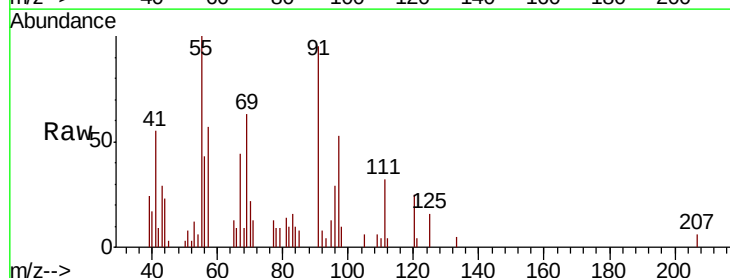
Acq: 22 Aug 2018 14:38

Tgt Ion: 91 Resp: 7860

Ion Ratio Lower Upper

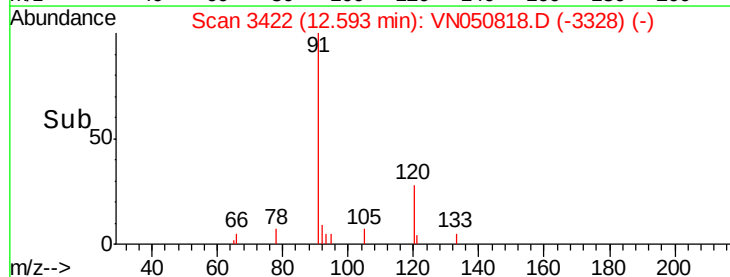
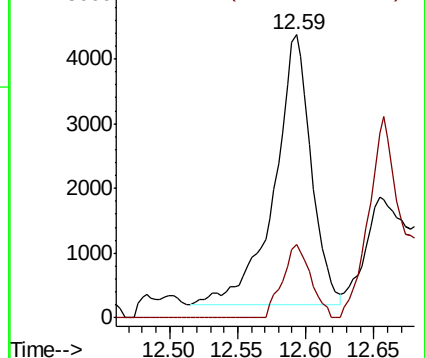
91 100

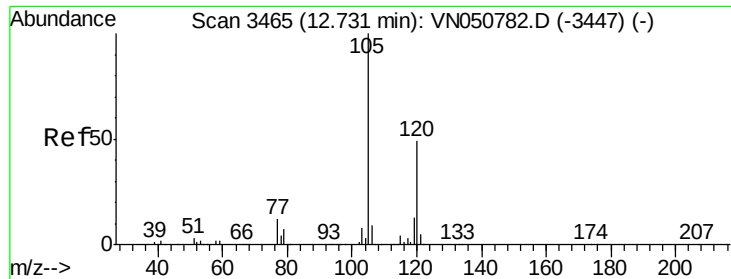
120 20.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

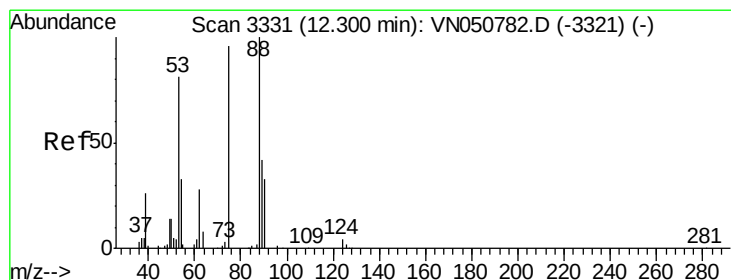
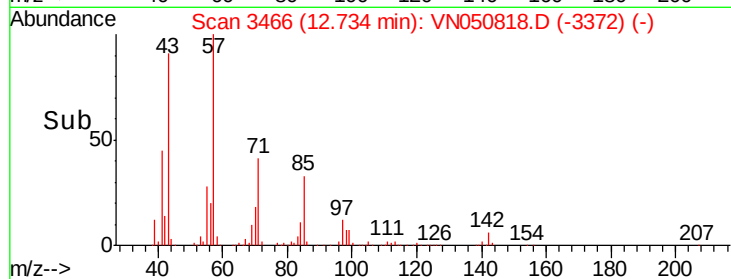
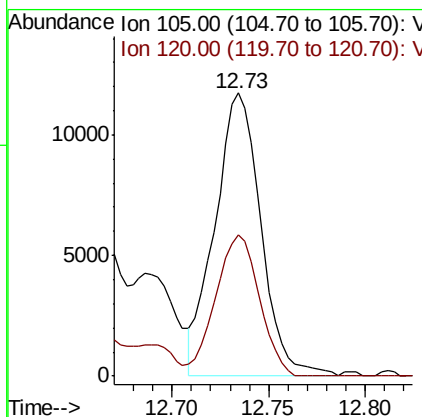
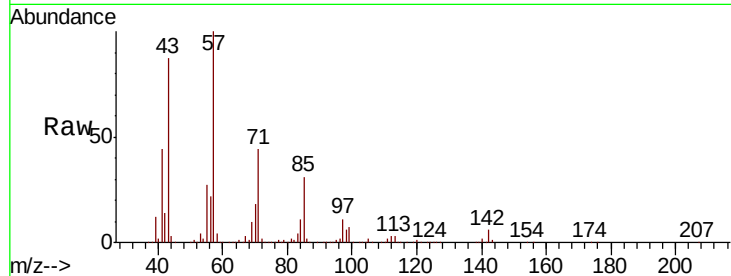




#80
 1,3,5-Trimethylbenzene
 Concen: 0.74 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050818.D
 Acq: 22 Aug 2018 14:38

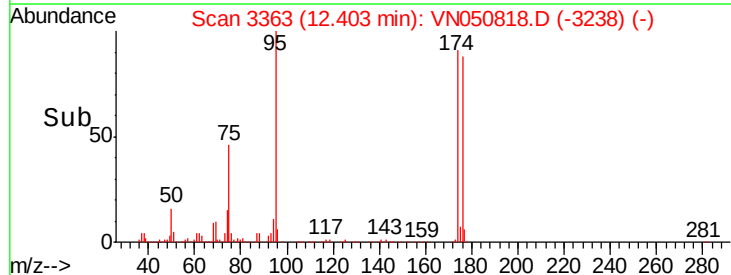
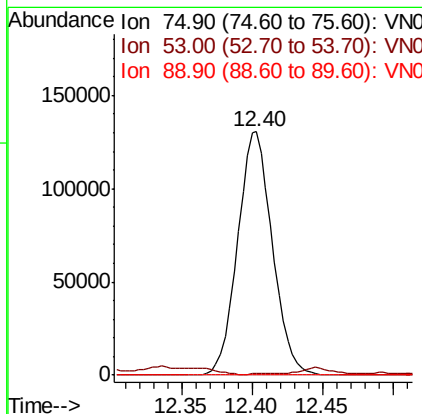
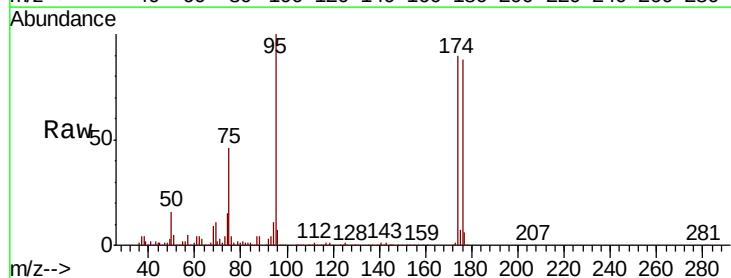
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112269TB

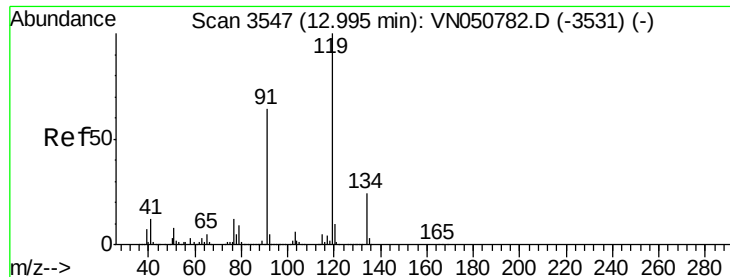
Tot Ion:105 Resp: 19414
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.28 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050818.D
 Acq: 22 Aug 2018 14:38

Tgt Ion: 75 Resp: 224661
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.9 103.3#
 89 0.0 36.1 54.1#





#83

tert-Butylbenzene

Concen: 0.23 ug/l

RT: 13.23 min Scan# 3621

Delta R.T. 0.24 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB112269TB

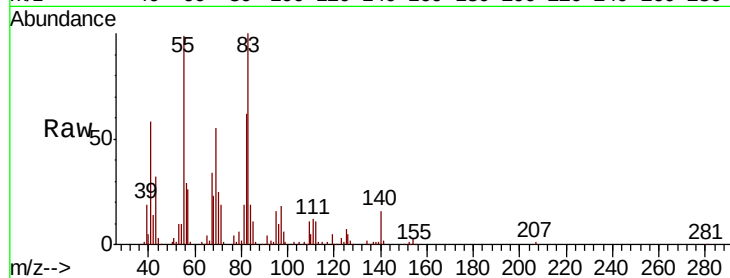
Tot Ion:119 Resp: 5207

Ion Ratio Lower Upper

119 100

91 66.2 31.6 94.7

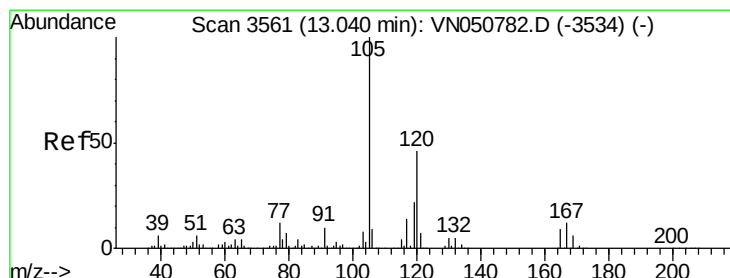
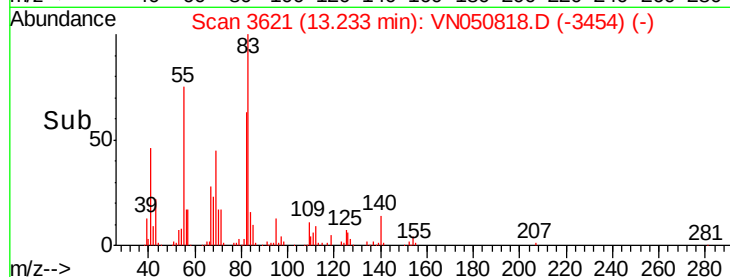
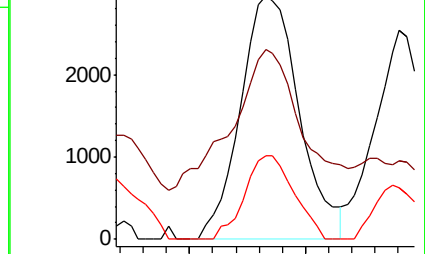
134 28.7 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.41 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050818.D

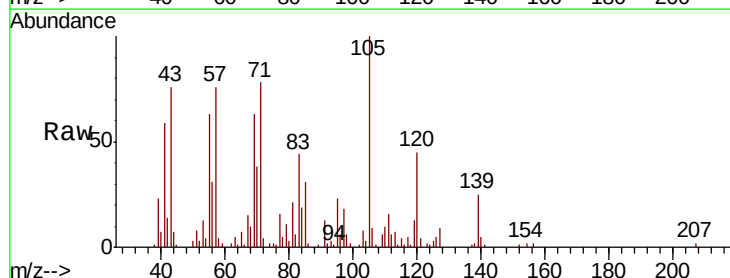
Acq: 22 Aug 2018 14:38

Tgt Ion:105 Resp: 37320

Ion Ratio Lower Upper

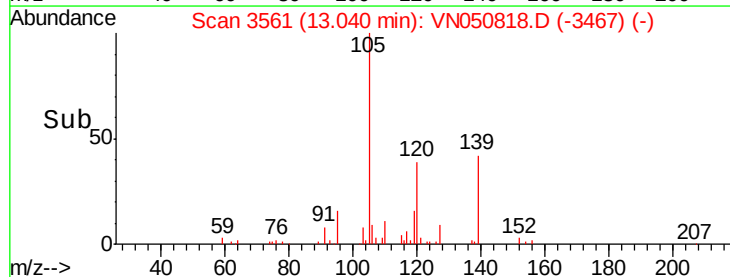
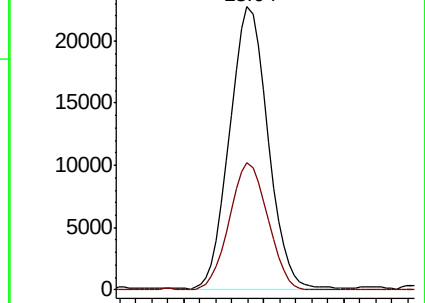
105 100

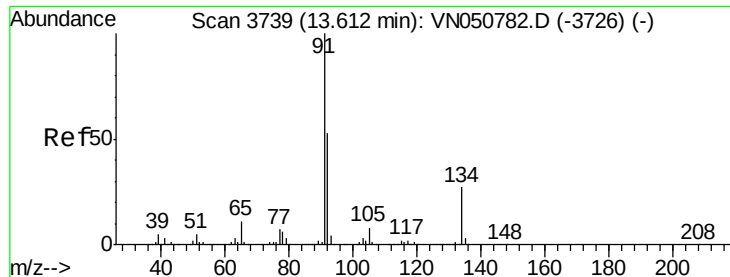
120 44.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 0.35 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampled :

PB112269TB

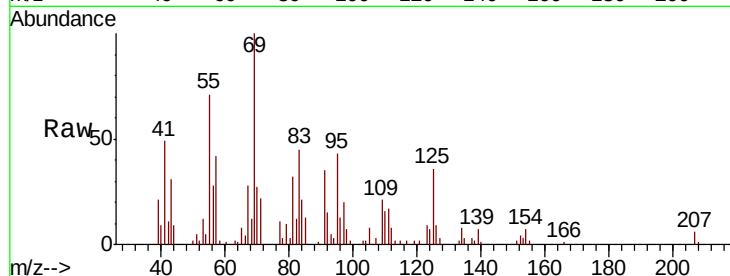
Tot Ion: 91 Resp: 7136

Ion Ratio Lower Upper

91 100

92 53.0 26.1 78.2

134 0.0 13.2 39.6#

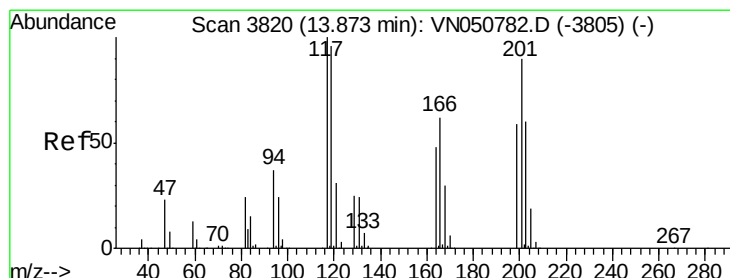
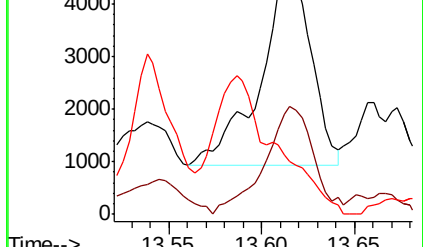
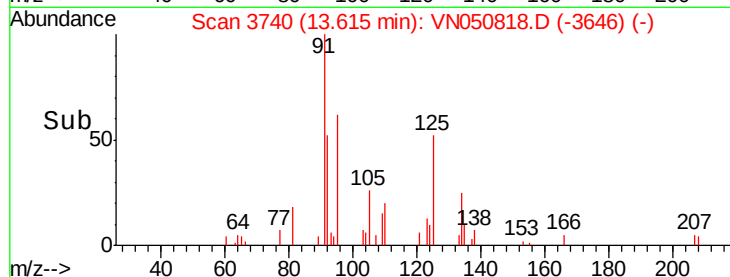


Abundance Ion 91.00 (90.70 to 91.70): VN050818.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050818.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050818.D (-3726) (-)

Time-->



#90

Hexachloroethane

Concen: 0.47 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050818.D

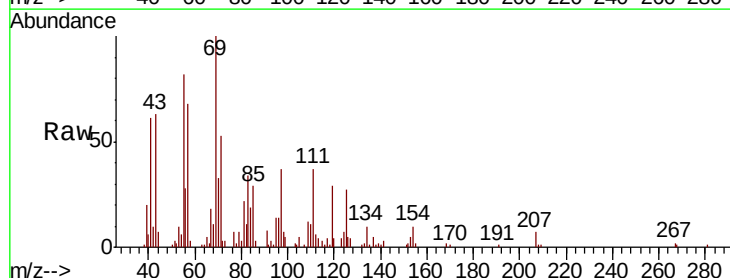
Acq: 22 Aug 2018 14:38

Tgt Ion: 117 Resp: 1363

Ion Ratio Lower Upper

117 100

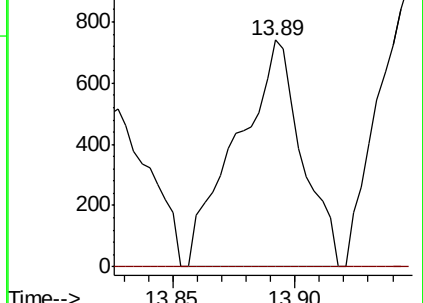
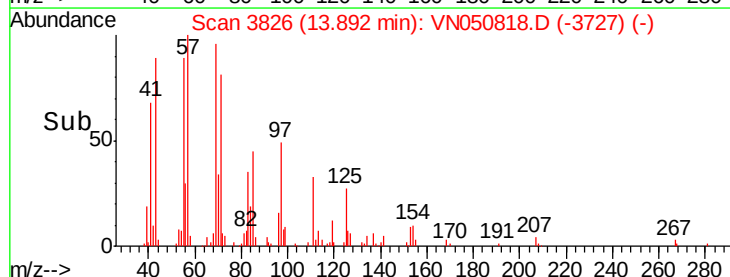
201 0.0 46.0 137.8#

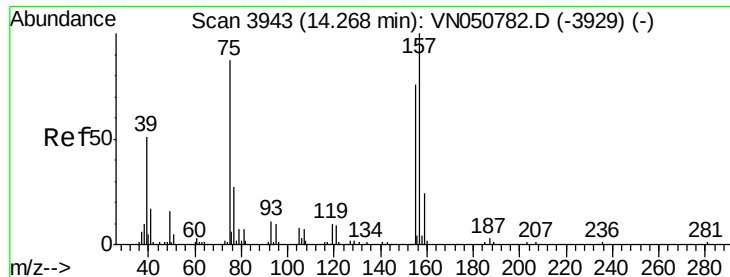


Abundance Ion 116.80 (116.50 to 117.50): VN050818.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050818.D (-3805) (-)

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.33 ug/l

RT: 14.26 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB112269TB

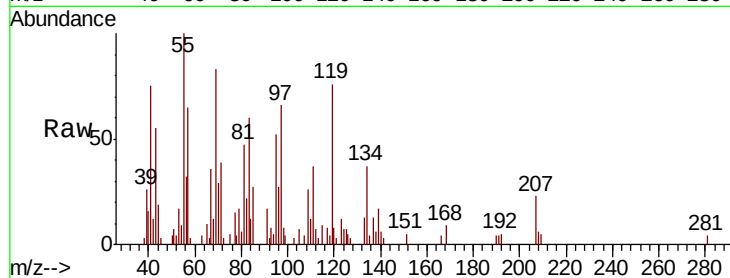
Tot Ion: 75 Resp: 381

Ion Ratio Lower Upper

75 100

155 0.0 46.4 139.1#

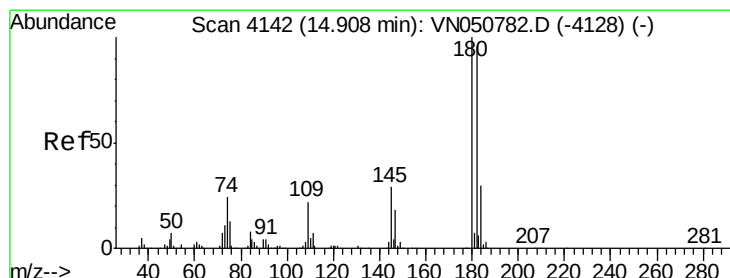
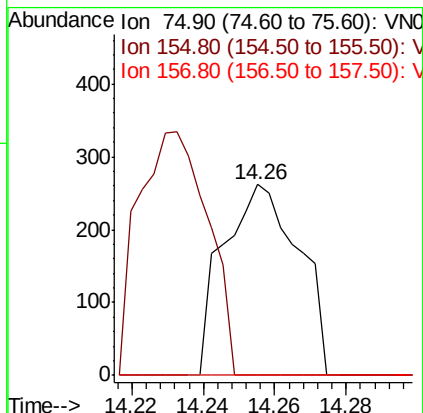
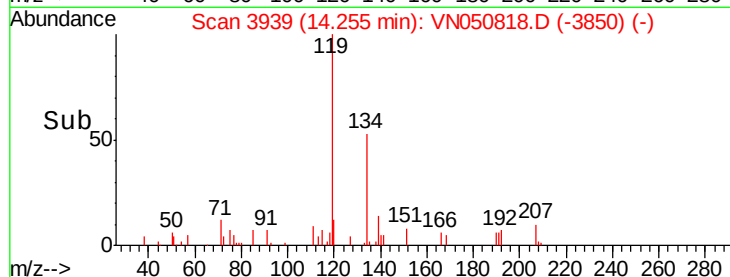
157 0.0 60.7 182.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 4.21 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.00 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

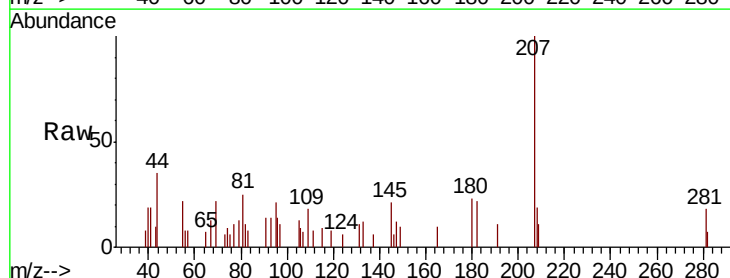
Tgt Ion: 180 Resp: 1074

Ion Ratio Lower Upper

180 100

182 110.0 48.2 144.6

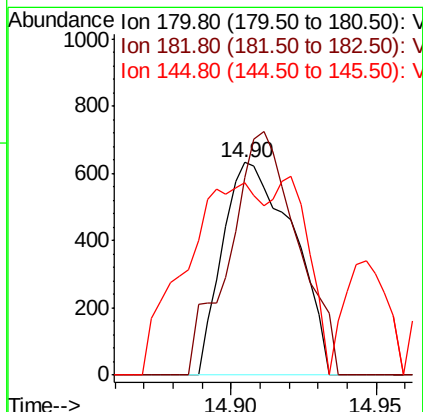
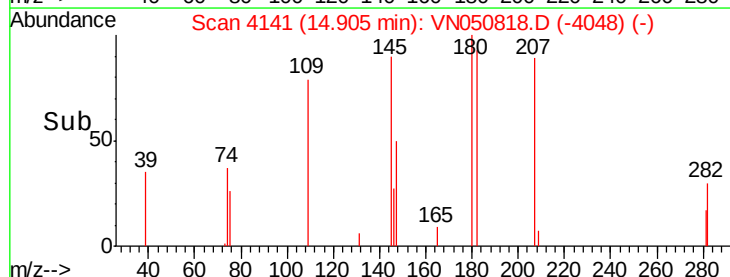
145 98.0 14.1 42.2#

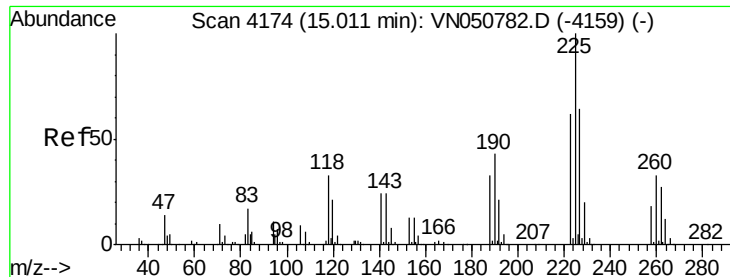


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4173

Delta R.T. -0.00 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

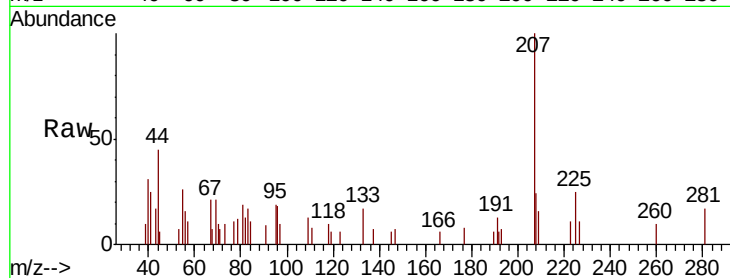
Instrument :

MSVOA_N

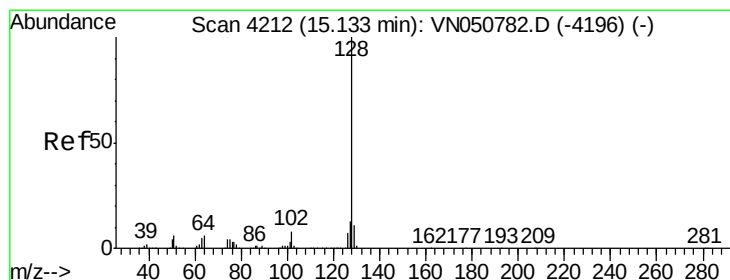
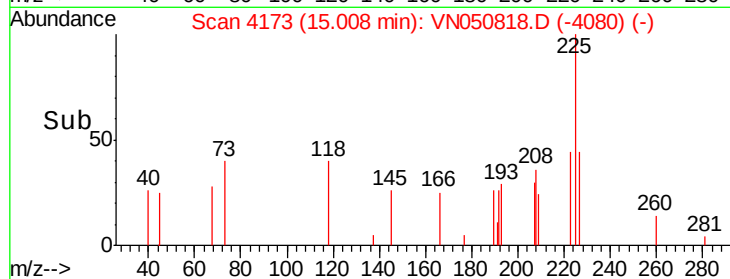
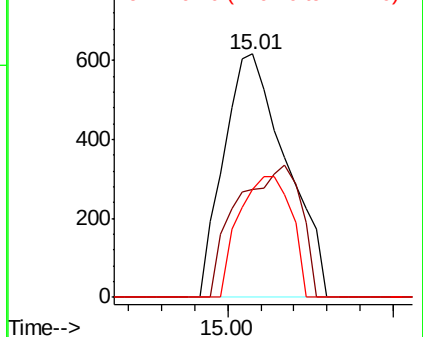
ClientSampleId :

PB112269TB

Tot Ion:	225	Resp:	809
Ion	Ratio	Lower	Upper
225	100		
223	55.4	31.3	93.8
227	41.3	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 6.06 ug/l

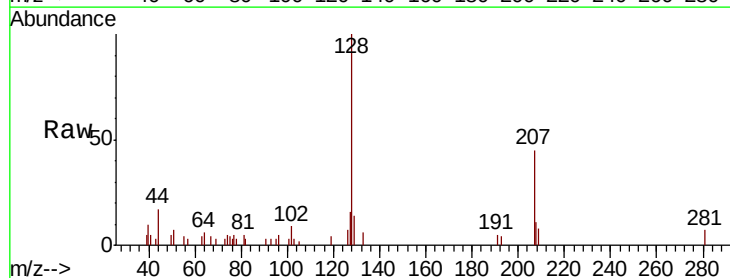
RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

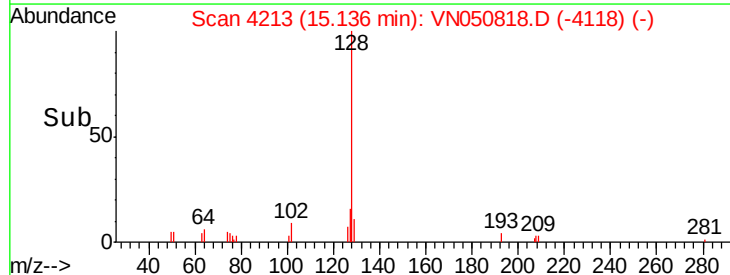
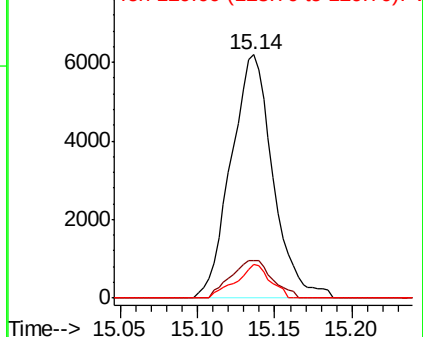
Lab File: VN050818.D

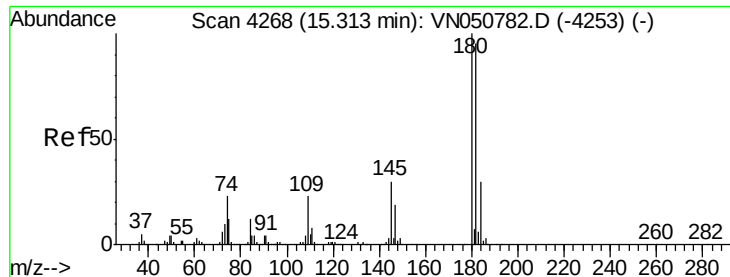
Acq: 22 Aug 2018 14:38

Tgt Ion:	128	Resp:	11661
Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.5	15.7
129	11.2	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: 3.44 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.01 min

Lab File: VN050818.D

Acq: 22 Aug 2018 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB112269TB

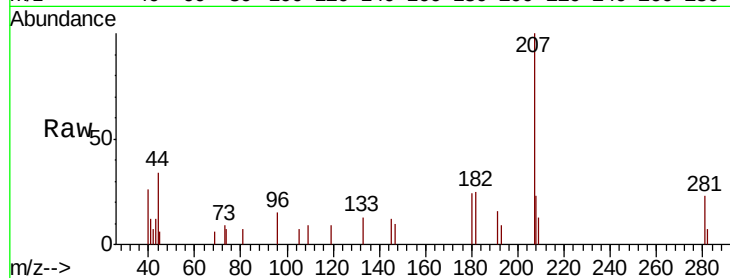
Tot Ion:180 Resp: 1126

Ion Ratio Lower Upper

180 100

182 107.6 48.0 144.2

145 62.7 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

