

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050570.D
 Acq On : 13 Aug 2018 15:58
 Operator : MD\SY
 Sample : PB111961ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#03

Quant Time: Aug 14 01:00:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	643344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1059373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	336825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	446283	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.59	113	412480	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.09	98	1461682	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
62) 4-Bromofluorobenzene	12.40	95	409553	37.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.20%	

Target Compounds

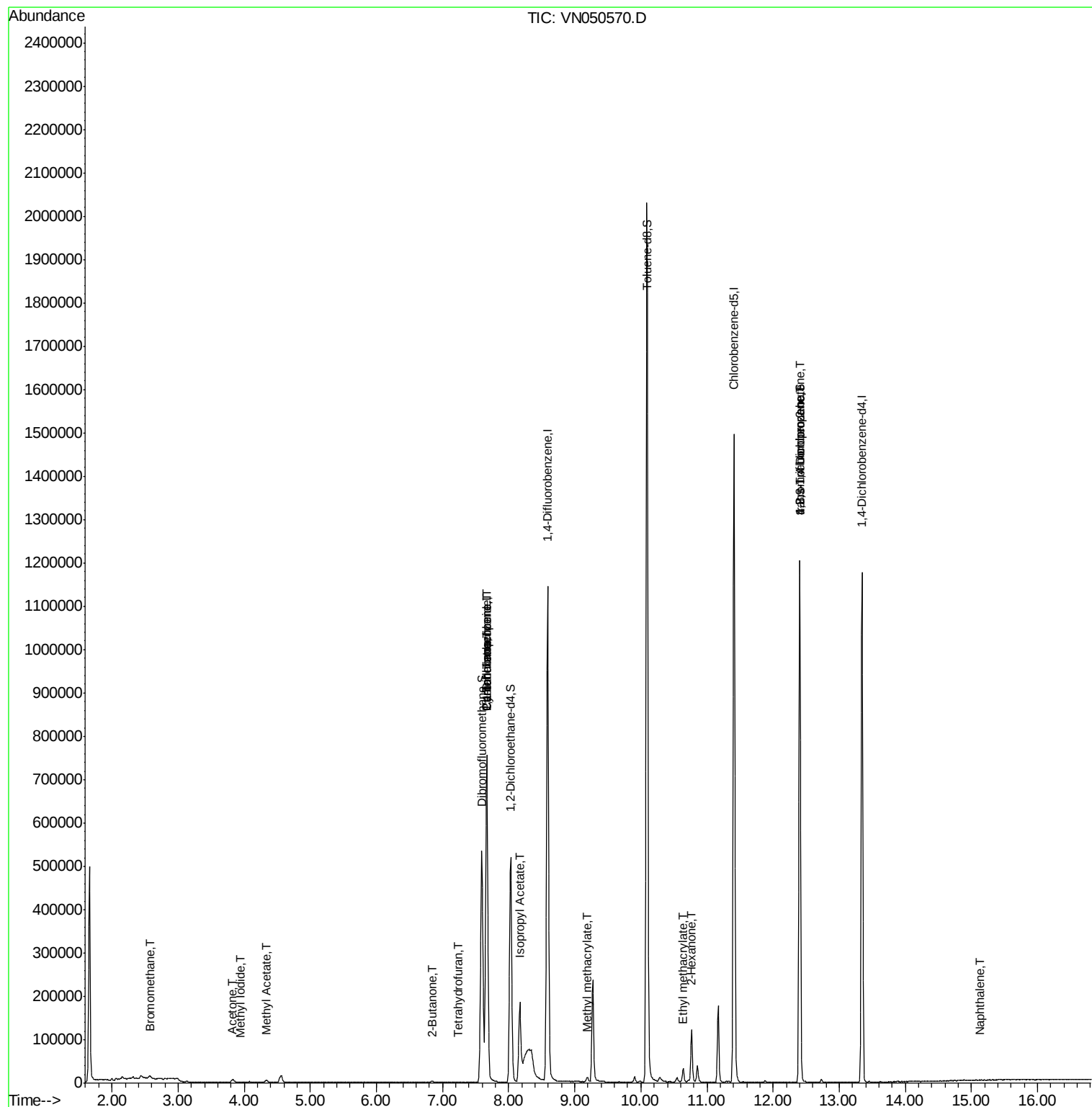
						Qvalue
3) Chloromethane	2.06	50	2659	Below Cal		93
5) Bromomethane	2.57	94	4316	1.13 ug/l		91
10) Methyl Iodide	3.95	142	1272	0.39 ug/l #		42
16) Acetone	3.83	43	12940	4.69 ug/l		92
18) Methyl Acetate	4.34	43	12328	1.66 ug/l #		84
25) 2-Butanone	6.84	43	1044	0.25 ug/l		90
29) Tetrahydrofuran	7.23	42	944	0.41 ug/l #		54
31) Cyclohexane	7.67	56	11887	0.34 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	45741	3.93 ug/l #		48
38) Carbon Tetrachloride	7.67	117	57852	4.76 ug/l #		16
43) Isopropyl Acetate	8.17	43	228029	15.76 ug/l		100
48) Methyl methacrylate	9.18	41	6847	0.94 ug/l #		21
56) Ethyl methacrylate	10.64	69	432	1.75 ug/l #		1
59) 2-Hexanone	10.77	43	16737	2.30 ug/l #		59
76) 1,2,3-Trichloropropane	12.40	75	194716	31.94 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	194716	112.21 ug/l #		13
95) Naphthalene	15.14	128	523	3.65 ug/l #		69

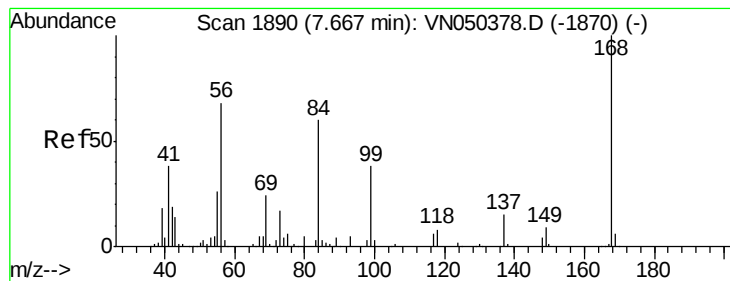
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

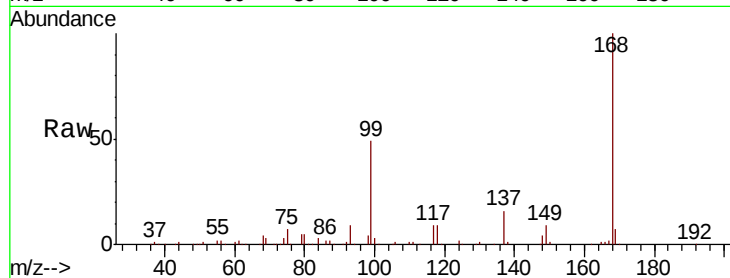
PB111961ZHE#03

Tot Ion:168 Resp: 643344

Ion Ratio Lower Upper

168 100

99 49.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

250000

200000

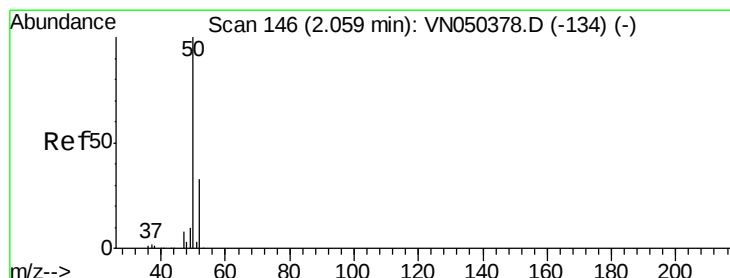
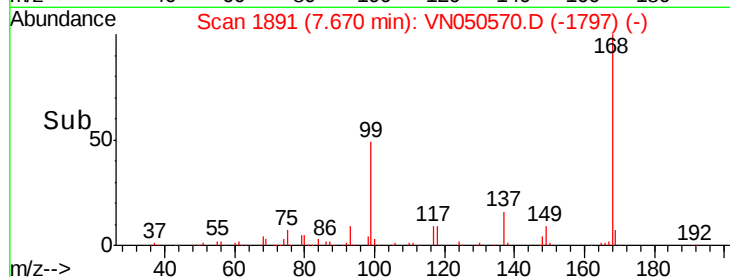
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050570.D

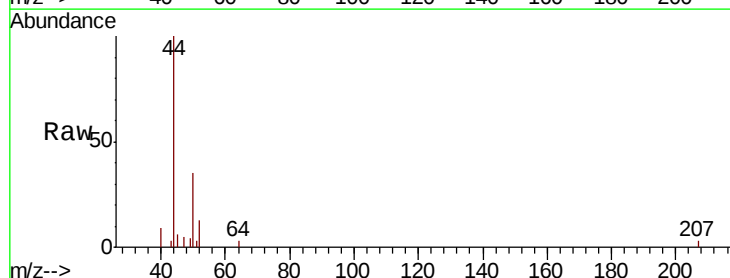
Acq: 13 Aug 2018 15:58

Tgt Ion: 50 Resp: 2659

Ion Ratio Lower Upper

50 100

52 36.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)

2.06

2000

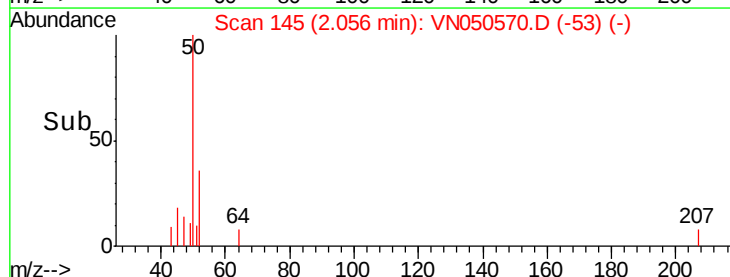
1500

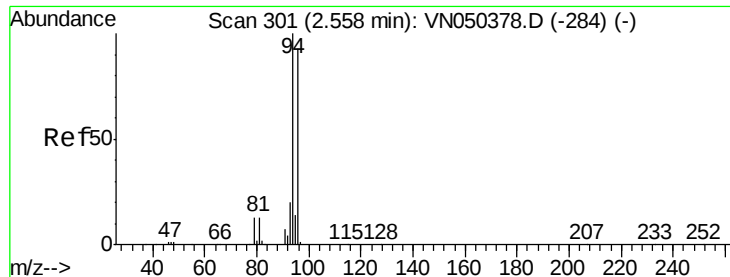
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.13 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

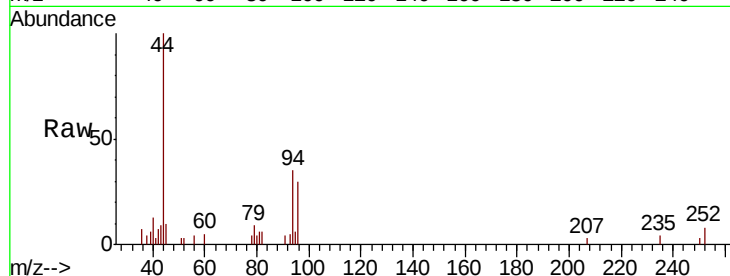
PB111961ZHE#03

Tot Ion: 94 Resp: 4316

Ion Ratio Lower Upper

94 100

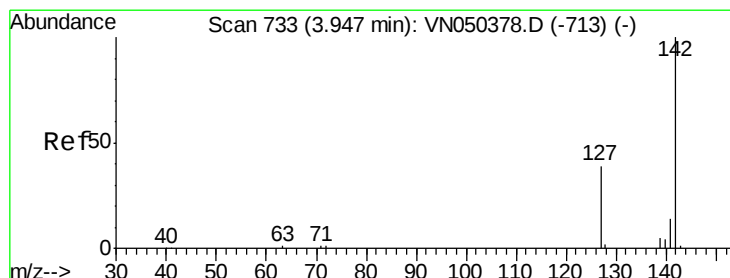
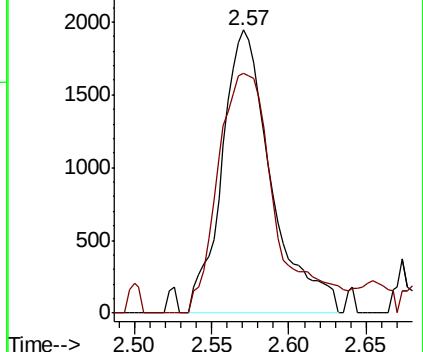
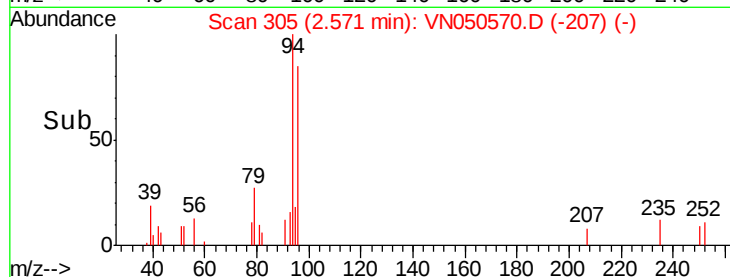
96 84.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050570.D (-207) (-)

Ion 95.90 (95.60 to 96.60): VN050570.D (-207) (-)

Time-->



#10

Methyl Iodide

Concen: 0.39 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

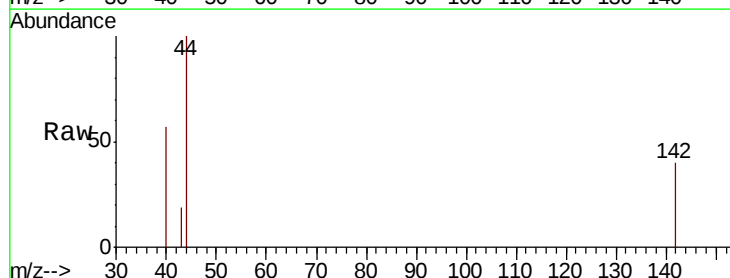
Tgt Ion: 142 Resp: 1272

Ion Ratio Lower Upper

142 100

127 0.0 33.4 50.2#

141 0.0 11.6 17.4#

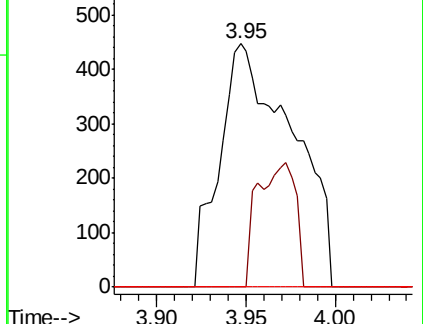
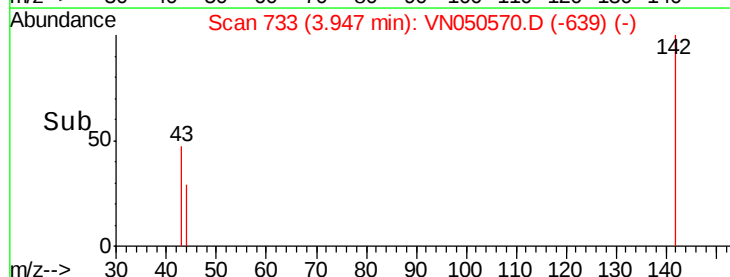


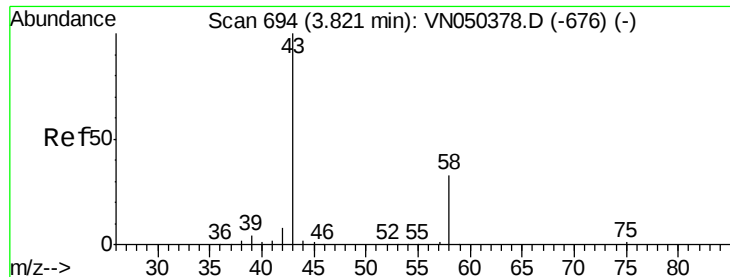
Abundance Ion 141.80 (141.50 to 142.50): VN050570.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050570.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050570.D (-639) (-)

Time-->





#16

Acetone

Concen: 4.69 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

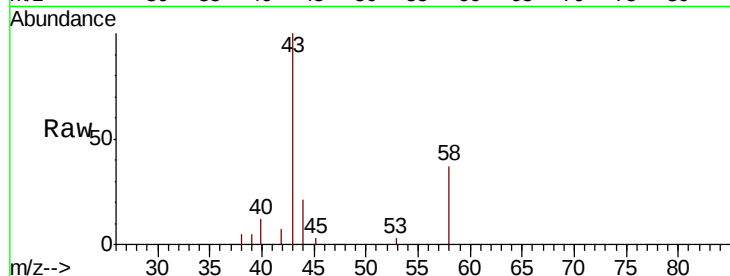
PB111961ZHE#03

Tot Ion: 43 Resp: 12940

Ion Ratio Lower Upper

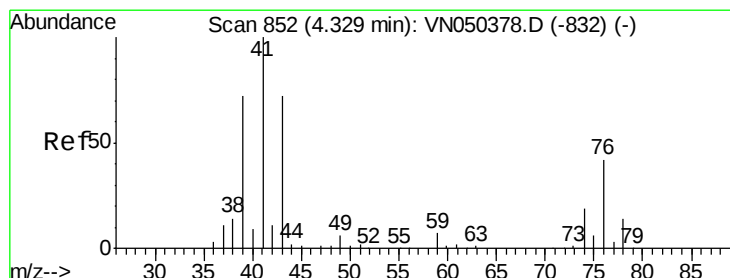
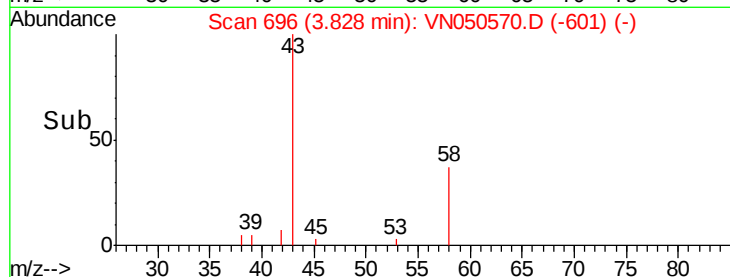
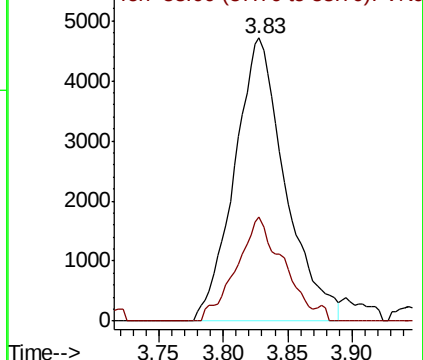
43 100

58 37.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.66 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050570.D

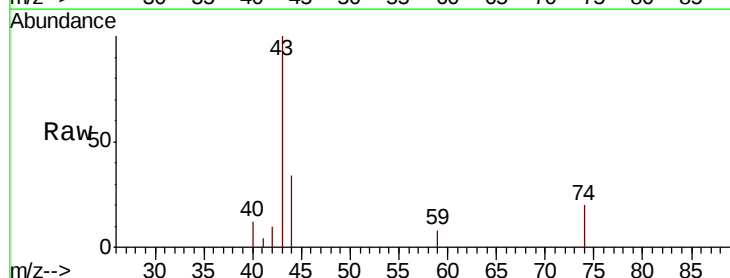
Acq: 13 Aug 2018 15:58

Tgt Ion: 43 Resp: 12328

Ion Ratio Lower Upper

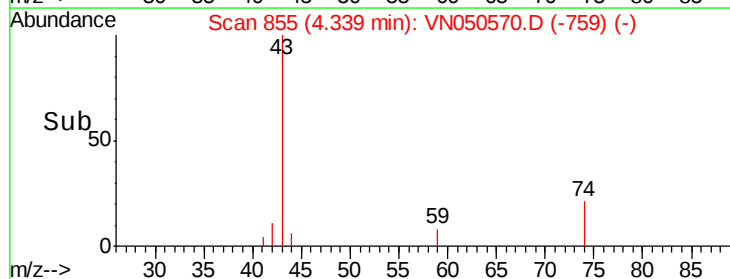
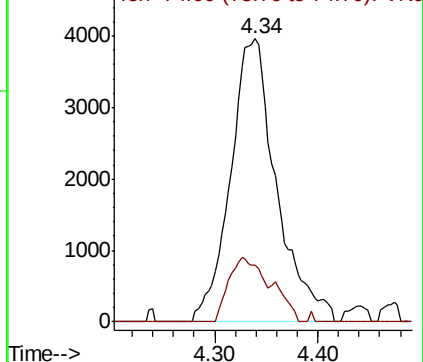
43 100

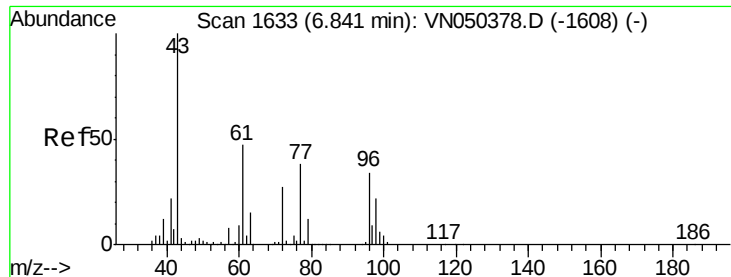
74 16.2 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

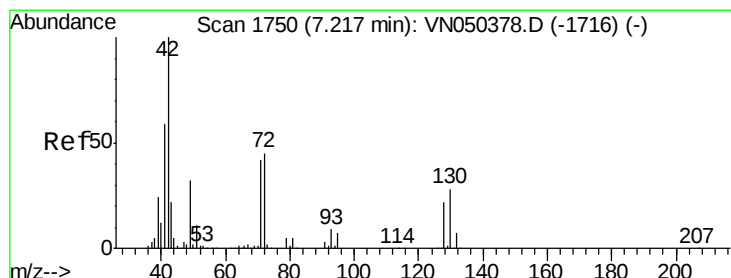
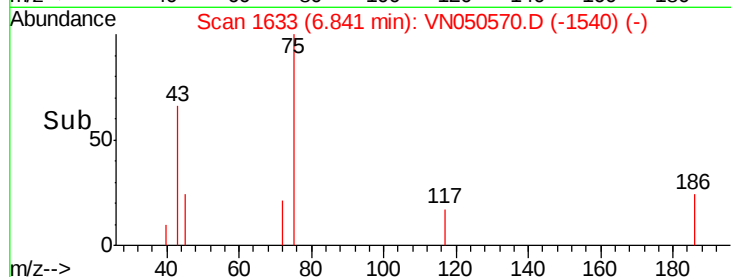
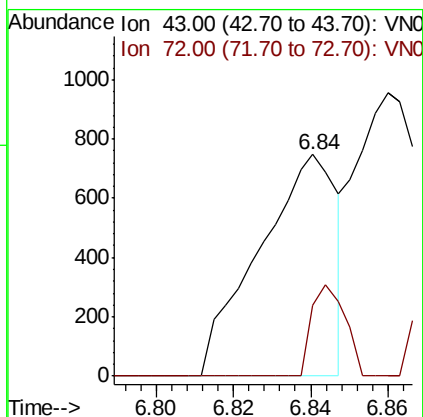
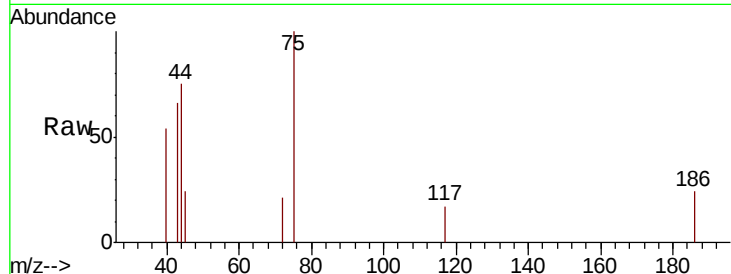




#25
 2-Butanone
 Concen: 0.25 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050570.D
 Acq: 13 Aug 2018 15:58

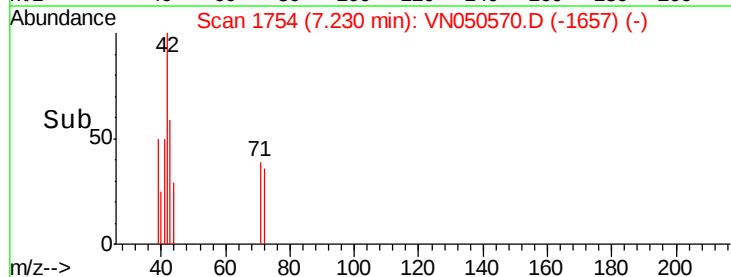
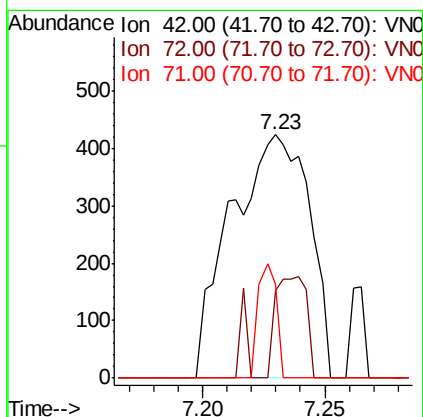
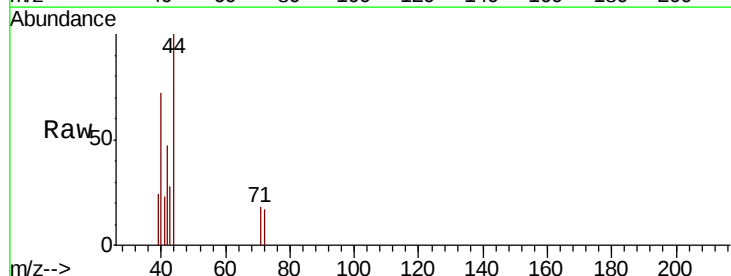
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#03

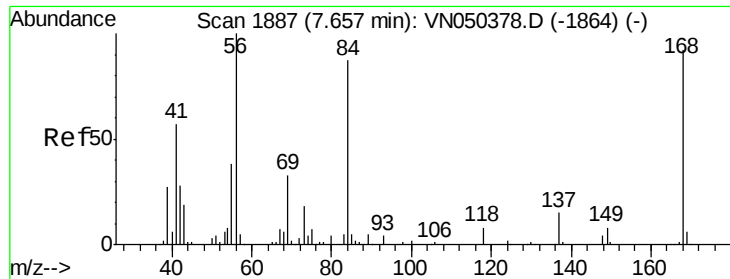
Tot Ion: 43 Resp: 1044
 Ion Ratio Lower Upper
 43 100
 72 32.3 21.5 32.3



#29
 Tetrahydrofuran
 Concen: 0.41 ug/l
 RT: 7.23 min Scan# 1754
 Delta R.T. 0.01 min
 Lab File: VN050570.D
 Acq: 13 Aug 2018 15:58

Tgt Ion: 42 Resp: 944
 Ion Ratio Lower Upper
 42 100
 72 16.8 35.9 53.9#
 71 10.8 33.7 50.5#

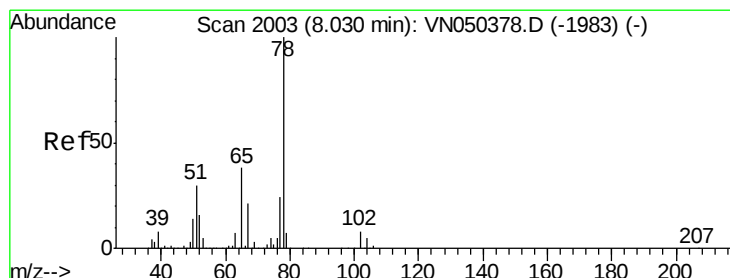
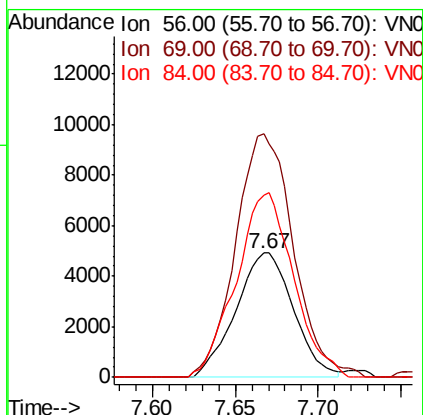
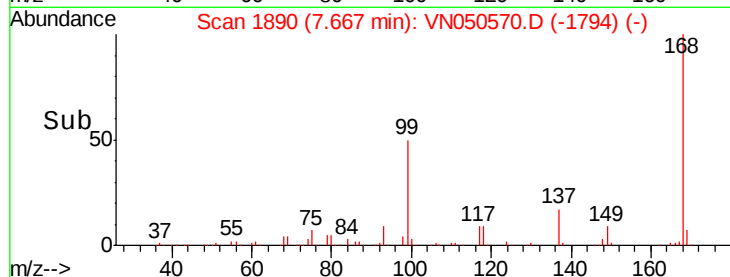
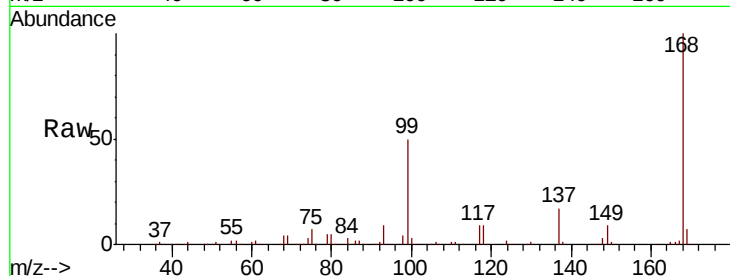




#31
Cyclohexane
Concen: 0.34 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050570.D
Acq: 13 Aug 2018 15:58

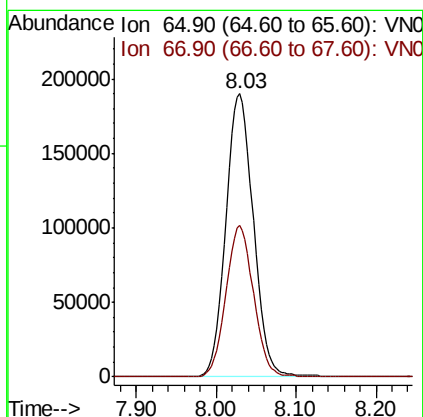
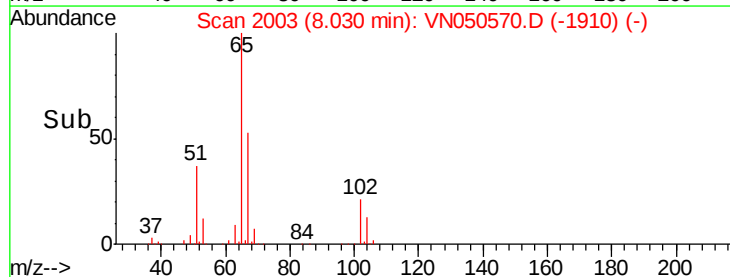
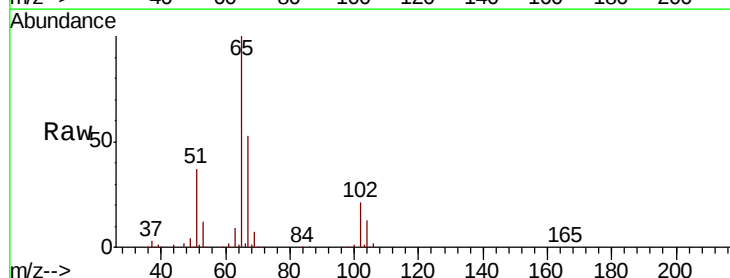
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#03

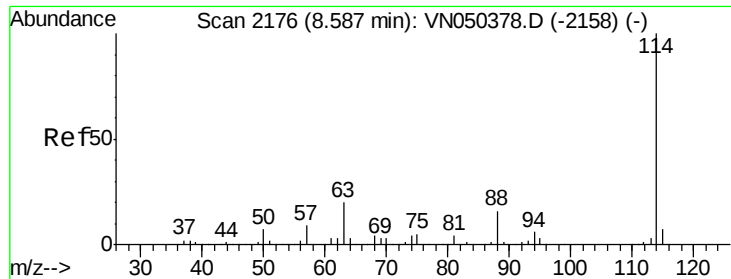
Tot Ion: 56 Resp: 11887
Ion Ratio Lower Upper
56 100
69 195.5 26.2 39.4#
84 146.7 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 51.92 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050570.D
Acq: 13 Aug 2018 15:58

Tgt Ion: 65 Resp: 446283
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.4

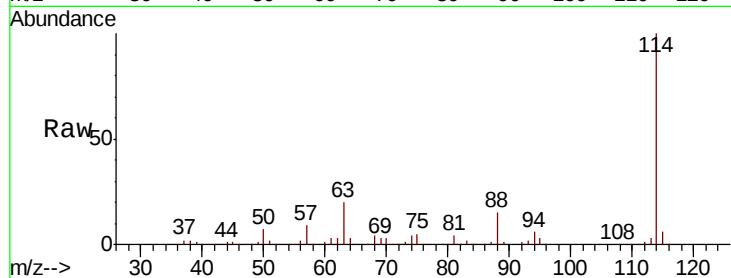




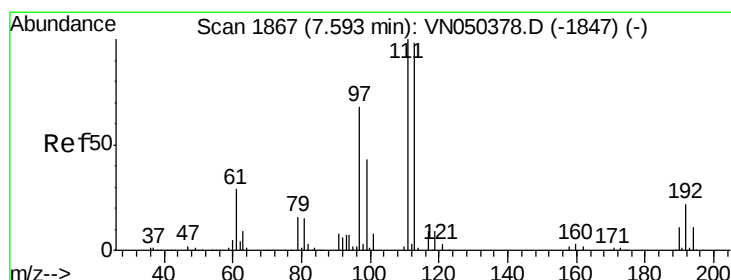
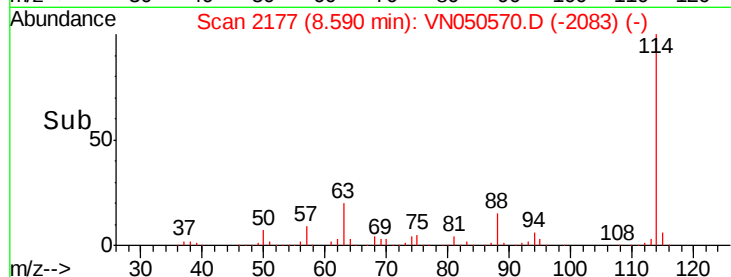
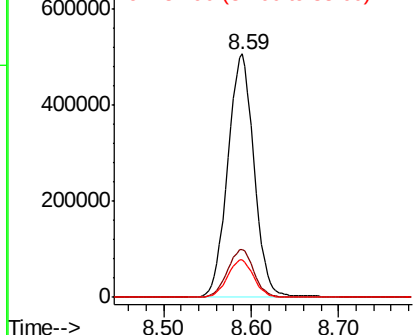
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050570.D
 Acq: 13 Aug 2018 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#03

Tot Ion:114 Resp: 1059373
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.4 0.0 31.2

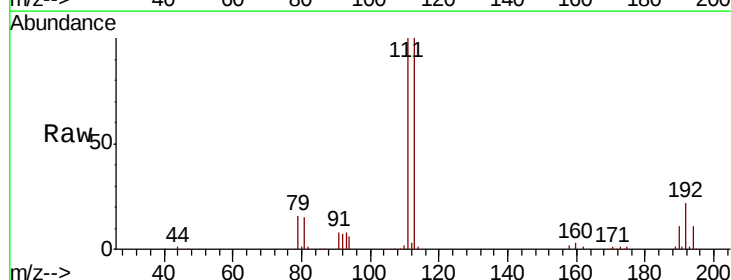


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

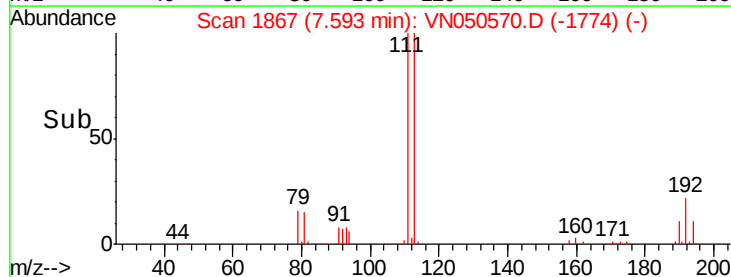
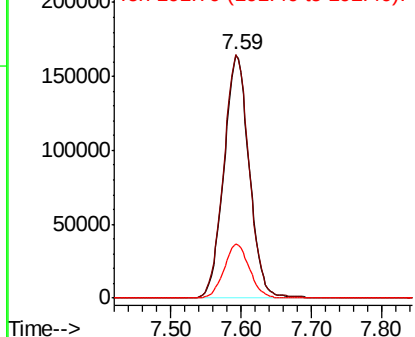


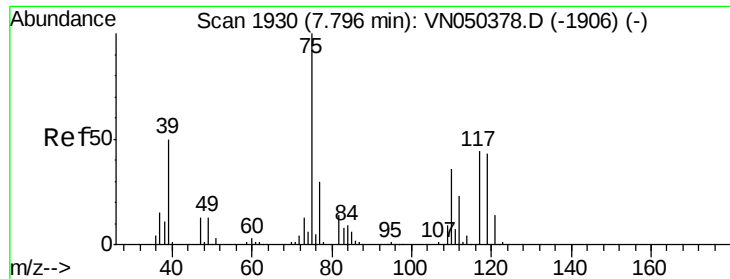
#35
 Dibromofluoromethane
 Concen: 48.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050570.D
 Acq: 13 Aug 2018 15:58

Tgt Ion:113 Resp: 412480
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.7 121.1
 192 22.2 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

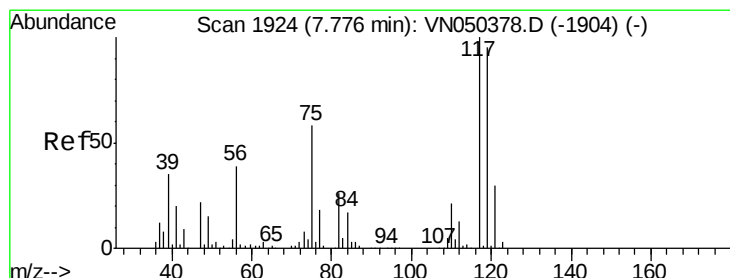
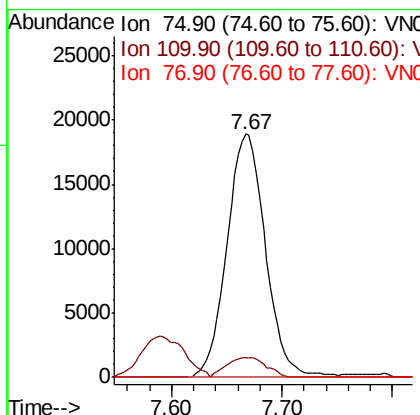
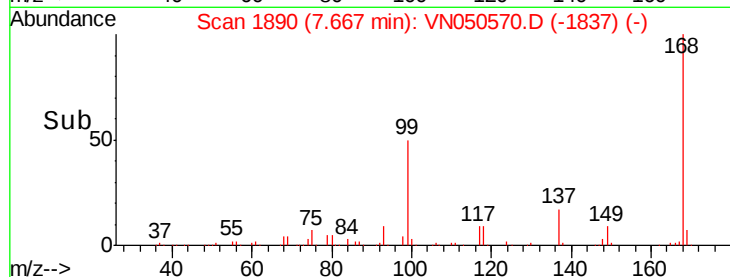
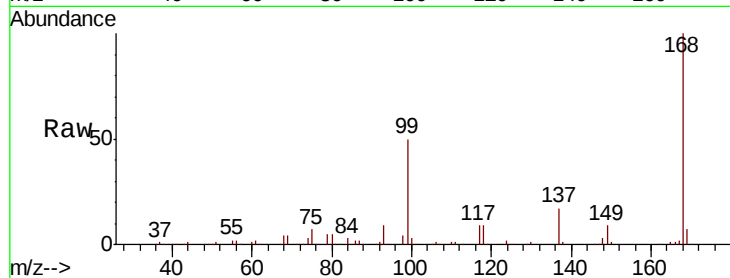




#36
 1,1-Dichloropropene
 Concen: 3.93 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050570.D
 Acq: 13 Aug 2018 15:58

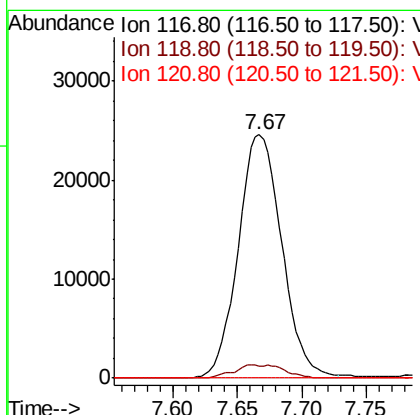
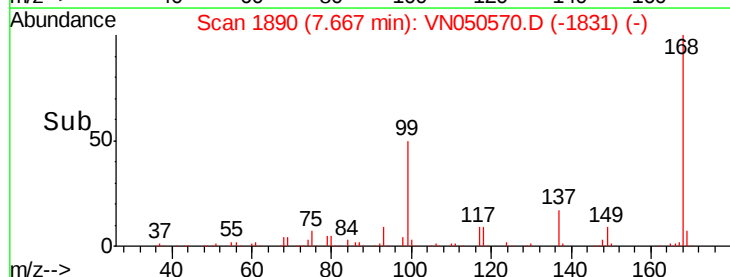
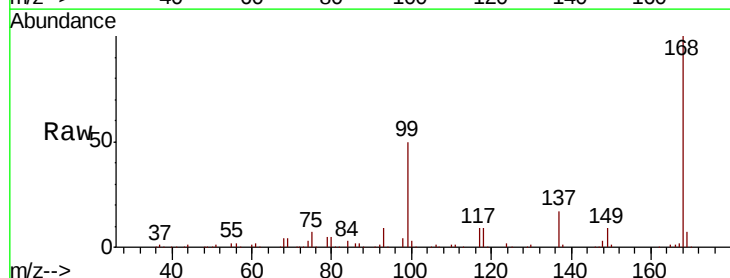
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#03

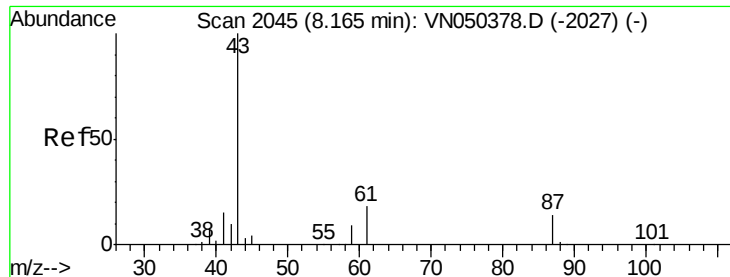
Tot Ion: 75 Resp: 45741
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.76 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050570.D
 Acq: 13 Aug 2018 15:58

Tgt Ion: 117 Resp: 57852
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.4 116.0#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 15.76 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#03

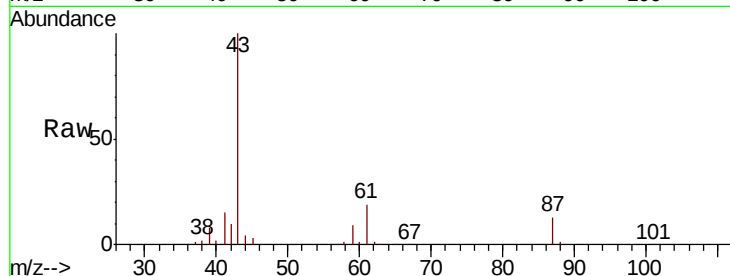
Tot Ion: 43 Resp: 228029

Ion Ratio Lower Upper

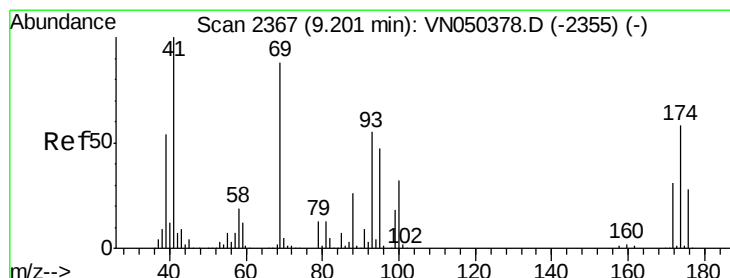
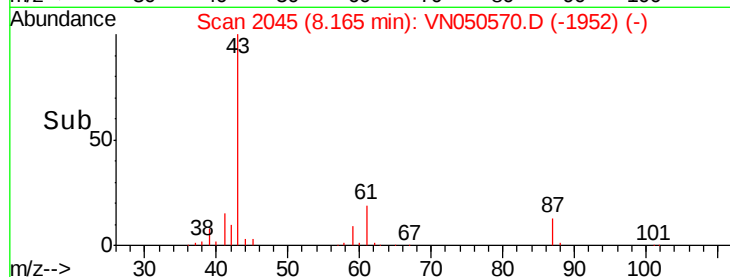
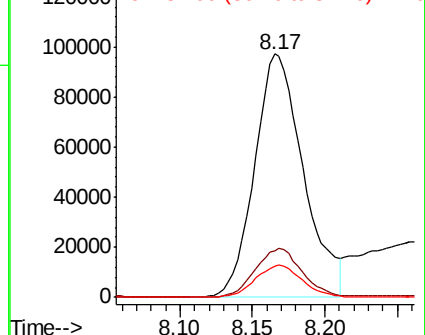
43 100

61 19.4 15.8 23.6

87 12.8 10.3 15.5



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: 0.94 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

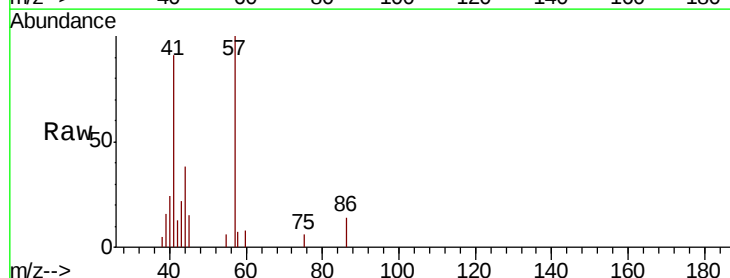
Tgt Ion: 41 Resp: 6847

Ion Ratio Lower Upper

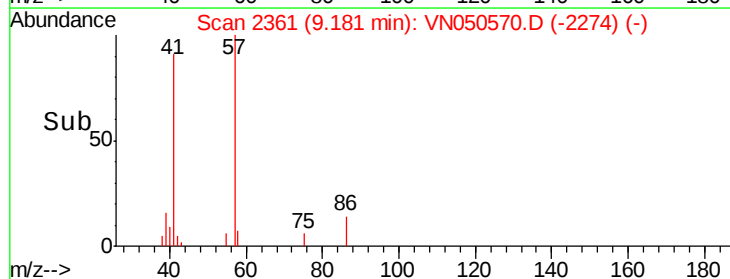
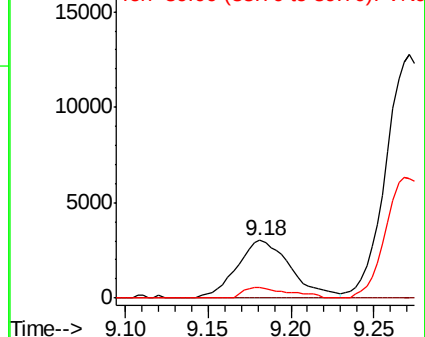
41 100

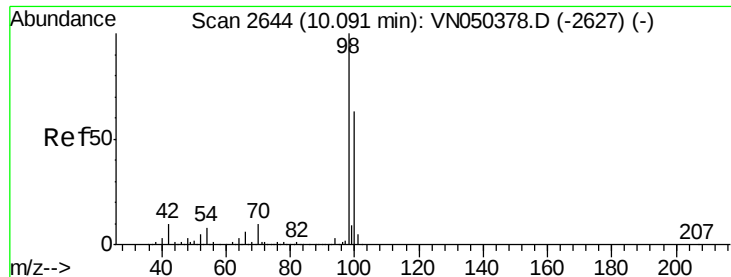
69 0.0 70.6 105.8#

39 15.9 43.9 65.9#



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: 45.73 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

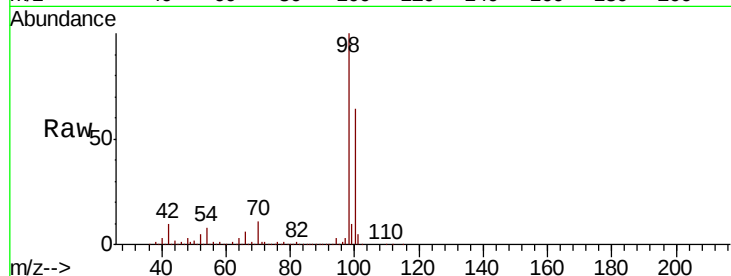
PB111961ZHE#03

Tot Ion: 98 Resp: 1461682

Ion Ratio Lower Upper

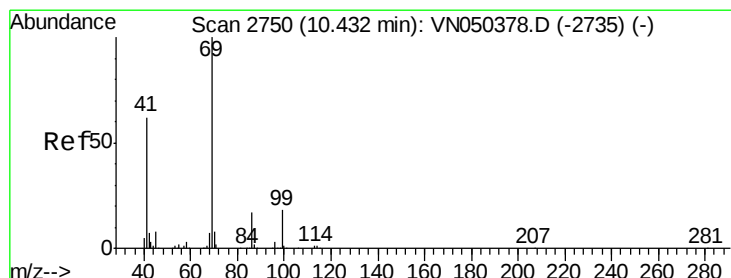
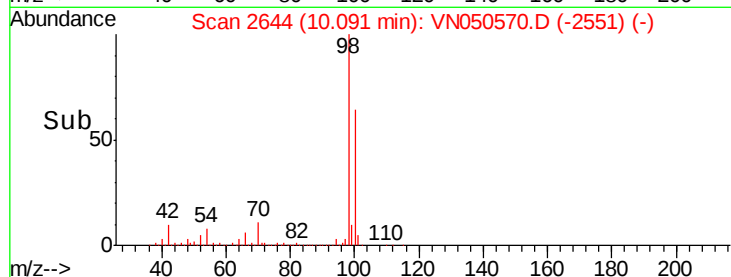
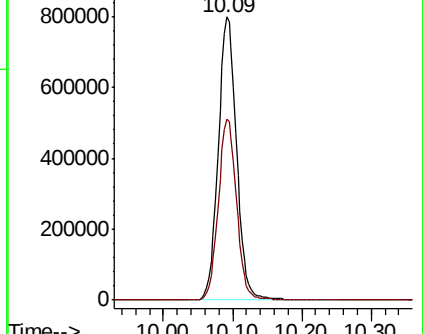
98 100

100 63.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#56

Ethyl methacrylate

Concen: 1.75 ug/l

RT: 10.64 min Scan# 2814

Delta R.T. 0.21 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

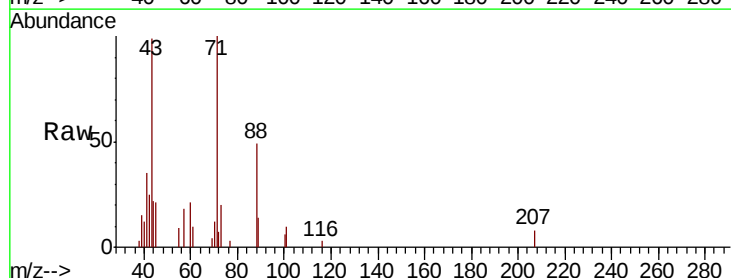
Tgt Ion: 69 Resp: 432

Ion Ratio Lower Upper

69 100

41 1011.1 51.0 76.4#

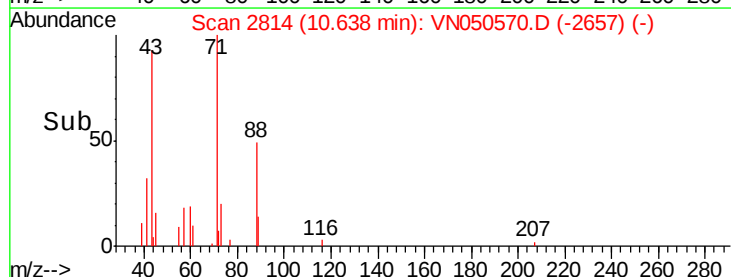
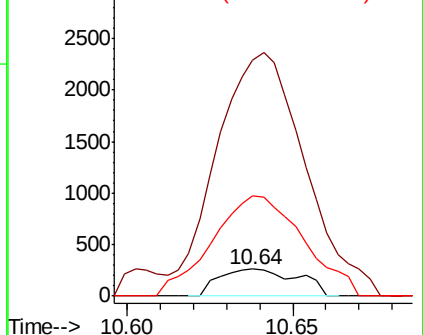
39 429.9 26.6 40.0#

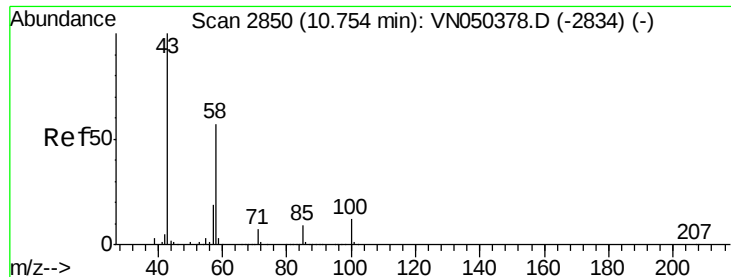


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 2.30 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

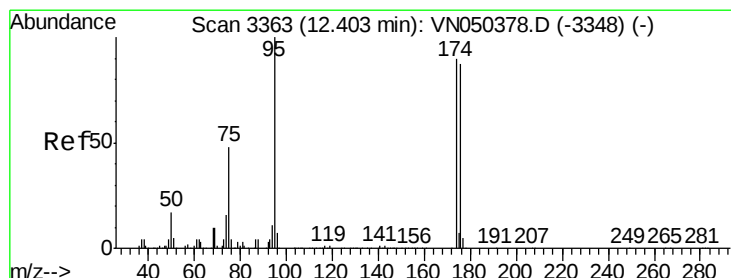
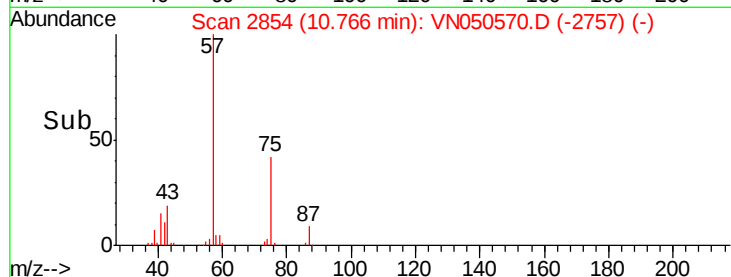
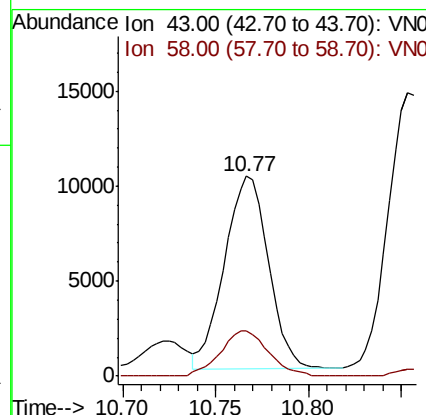
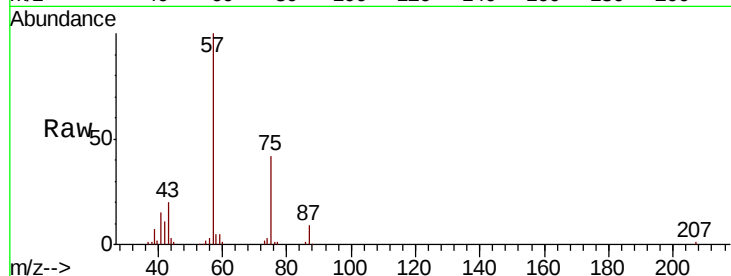
PB111961ZHE#03

Tot Ion: 43 Resp: 16737

Ion Ratio Lower Upper

43 100

58 25.8 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 37.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

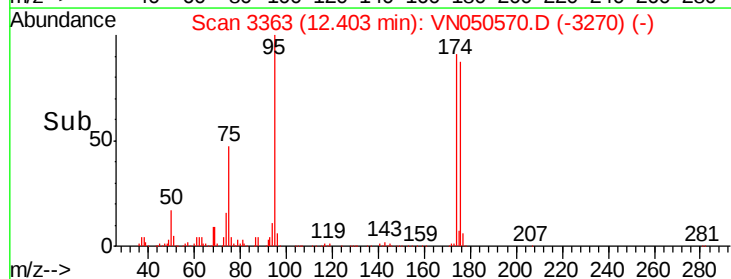
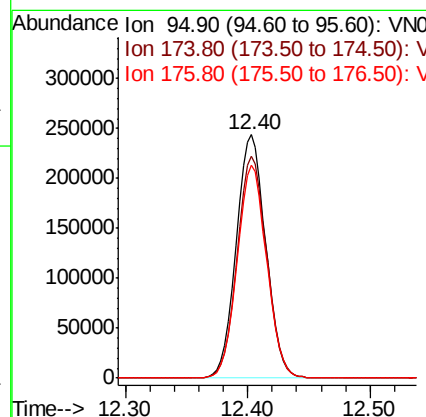
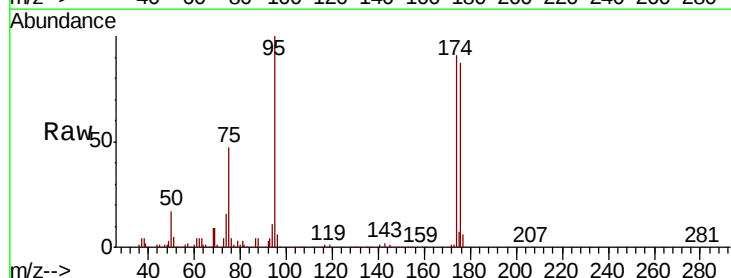
Tgt Ion: 95 Resp: 409553

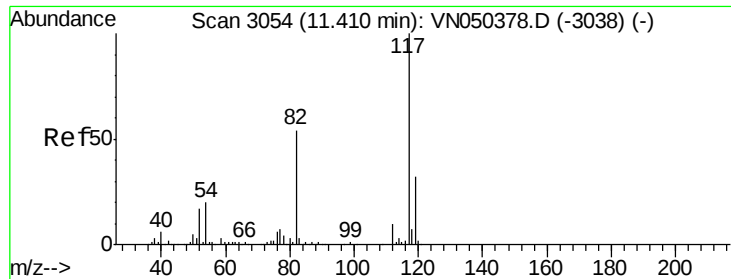
Ion Ratio Lower Upper

95 100

174 91.1 0.0 178.2

176 87.1 0.0 173.4

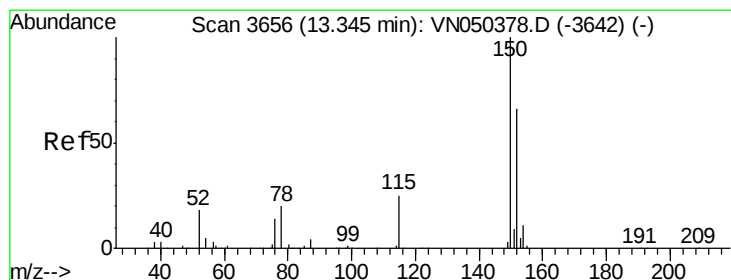
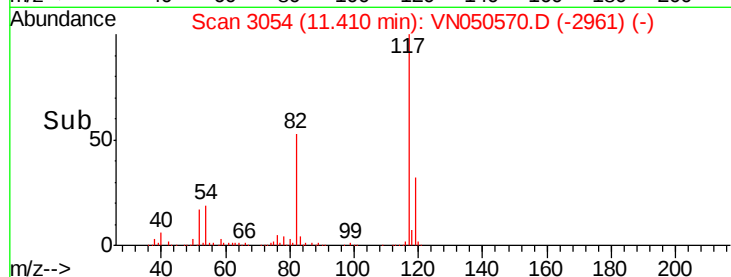
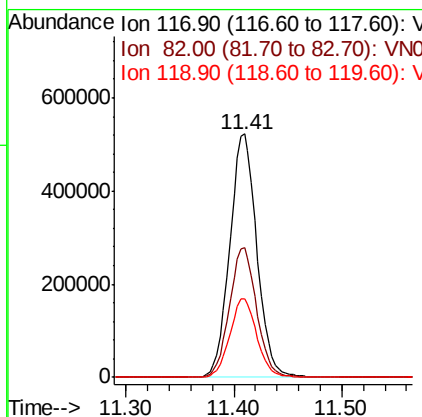
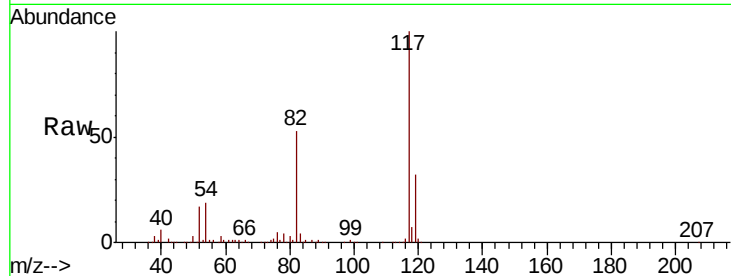




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050570.D
Acq: 13 Aug 2018 15:58

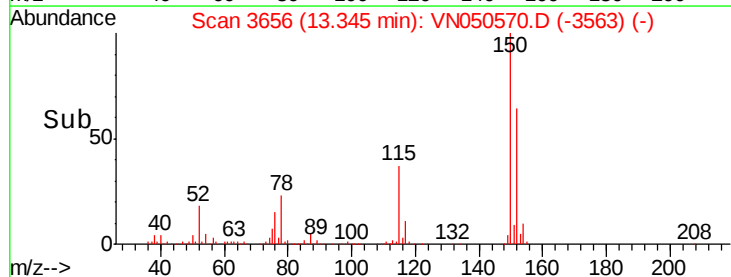
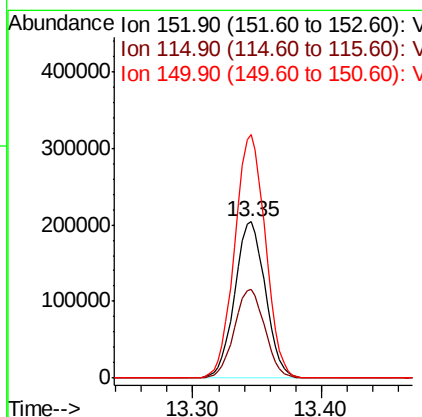
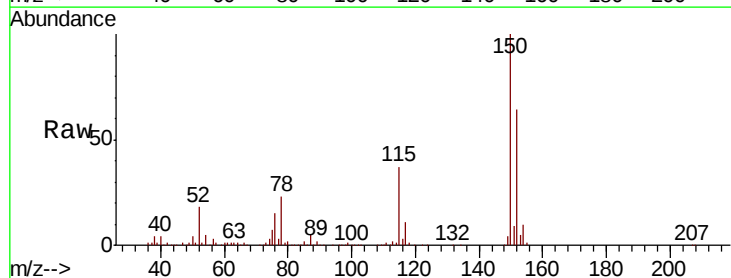
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#03

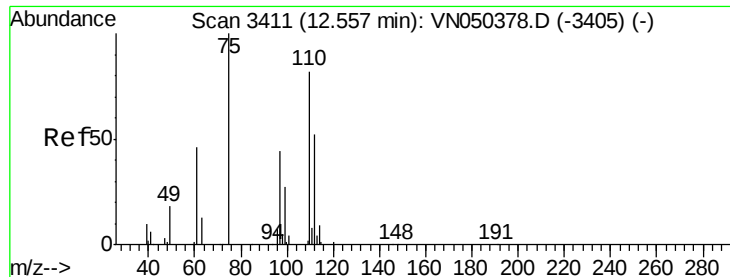
Tot Ion:117 Resp: 914573
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050570.D
Acq: 13 Aug 2018 15:58

Tgt Ion:152 Resp: 336825
Ion Ratio Lower Upper
152 100
115 56.5 27.8 83.3
150 156.1 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 31.94 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

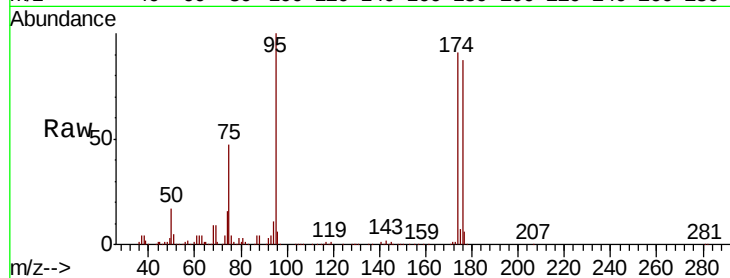
PB111961ZHE#03

Tot Ion: 75 Resp: 194716

Ion Ratio Lower Upper

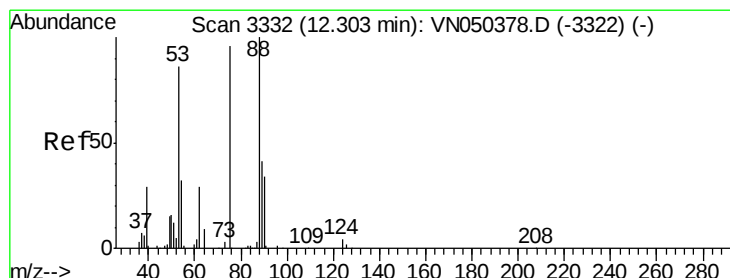
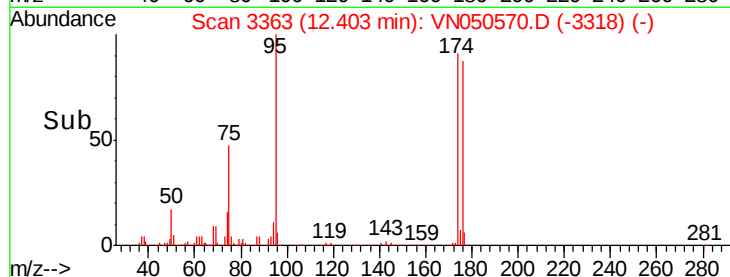
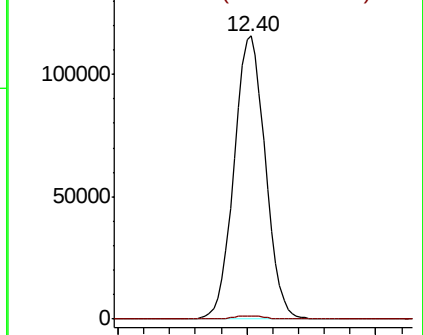
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 112.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

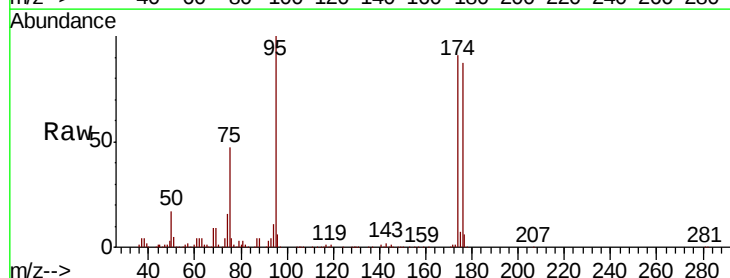
Tgt Ion: 75 Resp: 194716

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

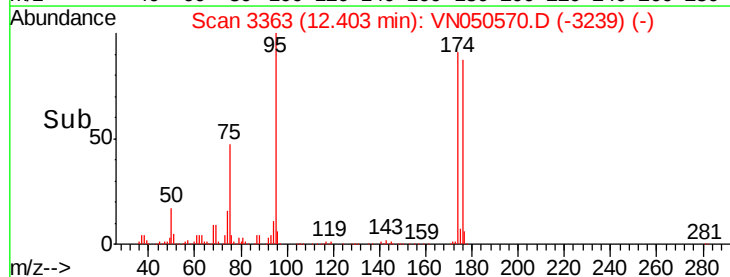
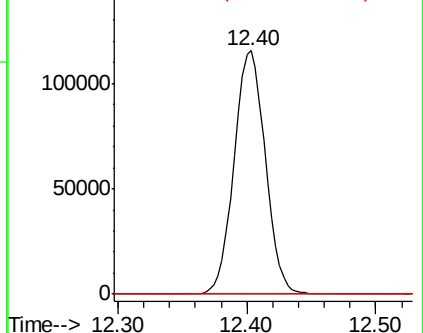
89 0.0 36.0 54.0#

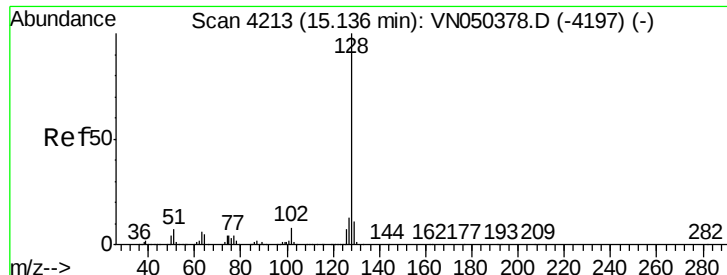


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 3.65 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050570.D

Acq: 13 Aug 2018 15:58

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#03

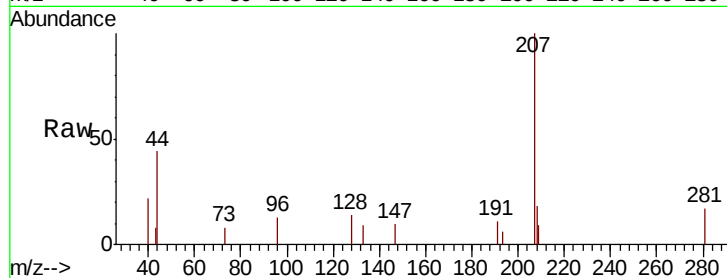
Tot Ion:128 Resp: 523

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.8 13.2#



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

