

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050578.D
 Acq On : 13 Aug 2018 19:15
 Operator : MD\SY
 Sample : PB111961ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#11

Quant Time: Aug 14 01:02:40 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	626321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1061235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	912022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437573	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.59	113	406872	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.09	98	1452628	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
62) 4-Bromofluorobenzene	12.40	95	406505	37.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.50%	

Target Compounds

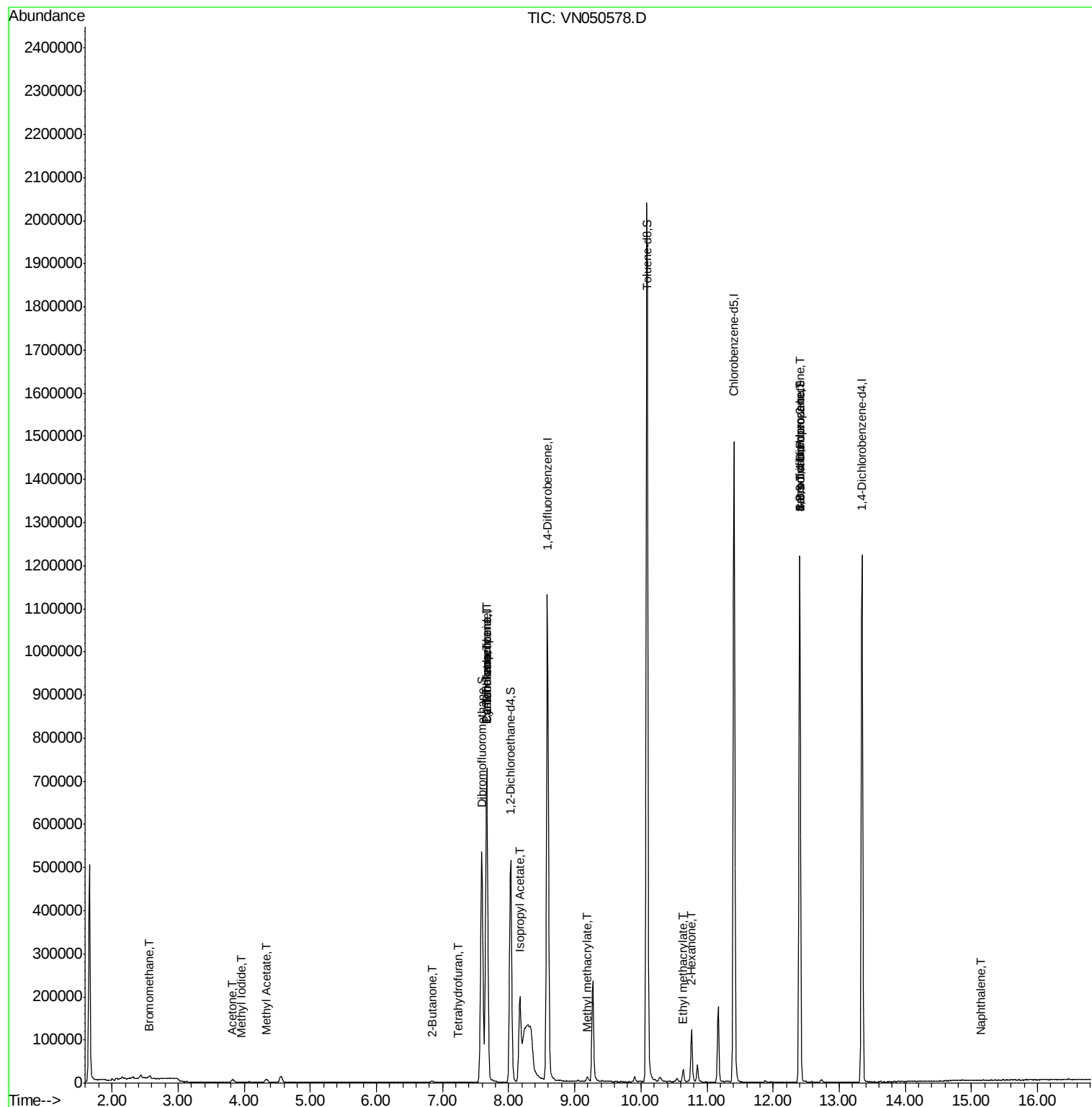
						Qvalue
3) Chloromethane	2.06	50	2356	Below Cal		90
5) Bromomethane	2.57	94	3328	0.93 ug/l		88
10) Methyl Iodide	3.95	142	909	0.29 ug/l #		55
16) Acetone	3.82	43	13269	4.96 ug/l		91
18) Methyl Acetate	4.33	43	16626	2.38 ug/l #		86
20) Methylene Chloride	4.55	84	11202	Below Cal		95
25) 2-Butanone	6.85	43	1446	0.35 ug/l #		84
29) Tetrahydrofuran	7.23	42	997	0.45 ug/l #		51
31) Cyclohexane	7.67	56	11054	0.30 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	44968	3.86 ug/l #		48
38) Carbon Tetrachloride	7.67	117	56351	4.63 ug/l #		16
43) Isopropyl Acetate	8.17	43	243773	16.82 ug/l		96
48) Methyl methacrylate	9.18	41	6696	0.92 ug/l #		22
56) Ethyl methacrylate	10.64	69	512	1.75 ug/l #		1
59) 2-Hexanone	10.77	43	16017	2.20 ug/l #		60
71) Bromoform	12.40	173	3937	0.65 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	194884	31.49 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	194884	110.65 ug/l #		13
95) Naphthalene	15.14	128	116	3.63 ug/l #		69

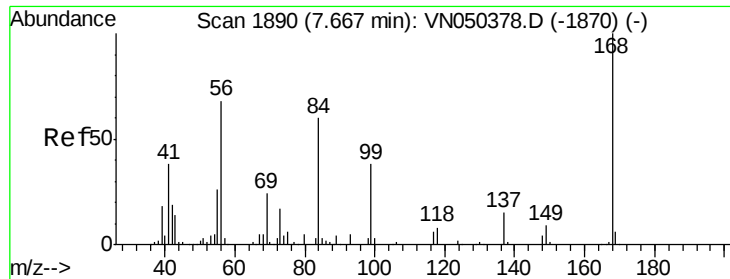
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081318\
Data File : VN050578.D
Acq On : 13 Aug 2018 19:15
Operator : MD\SY
Sample : PB111961ZHE#11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#11

Quant Time: Aug 14 01:02:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

Instrument :

MSVOA_N

ClientSampleId :

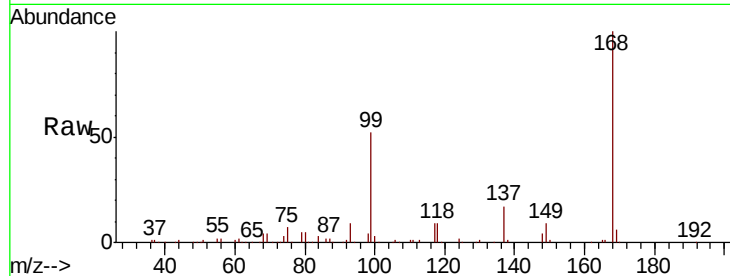
PB111961ZHE#11

Tot Ion:168 Resp: 626321

Ion Ratio Lower Upper

168 100

99 52.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

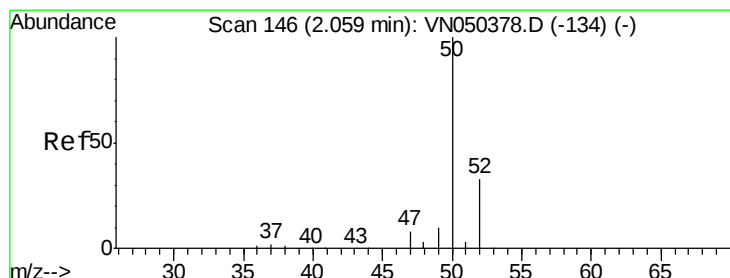
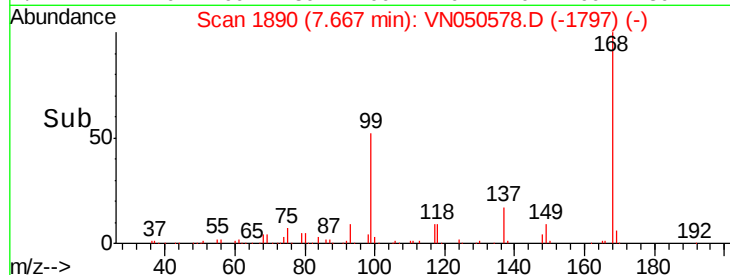
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050578.D

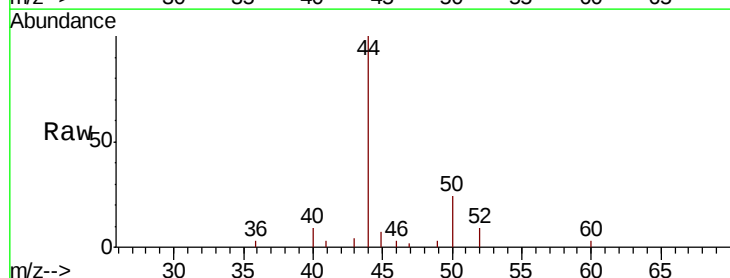
Acq: 13 Aug 2018 19:15

Tgt Ion: 50 Resp: 2356

Ion Ratio Lower Upper

50 100

52 37.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2000

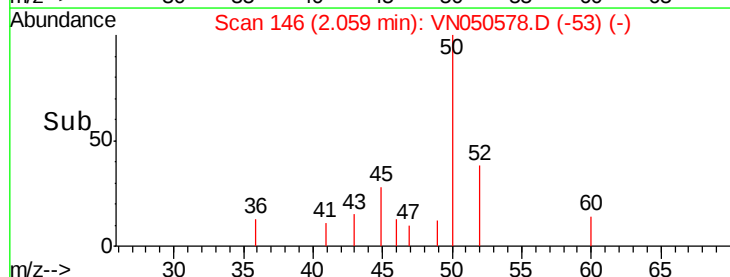
1500

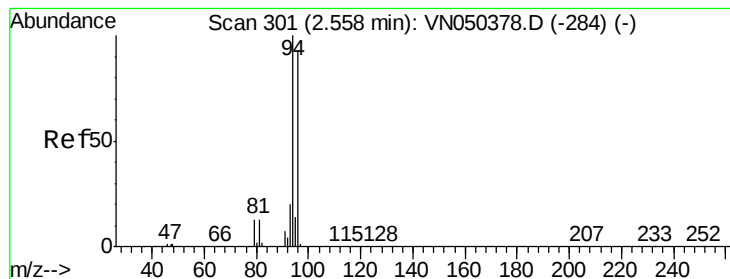
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.93 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

Instrument :

MSVOA_N

ClientSampleId :

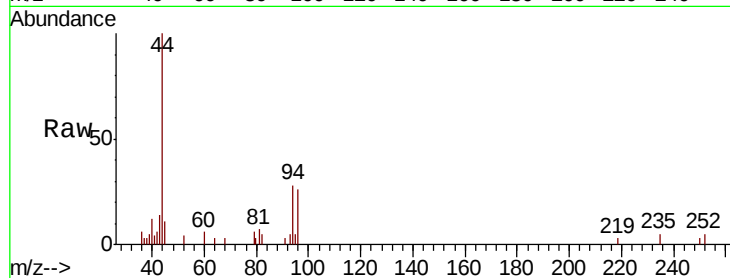
PB111961ZHE#11

Tot Ion: 94 Resp: 3328

Ion Ratio Lower Upper

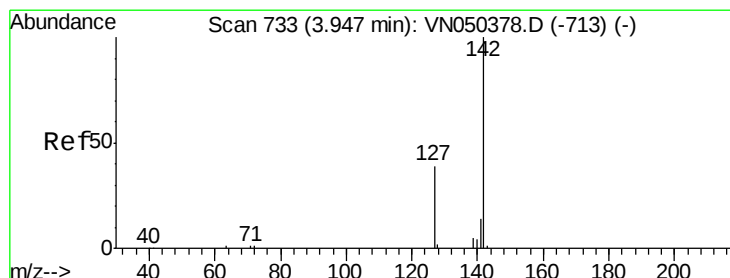
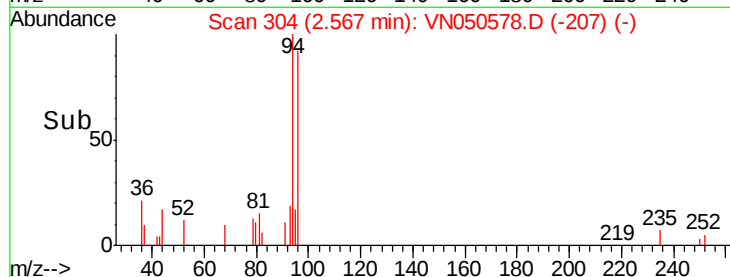
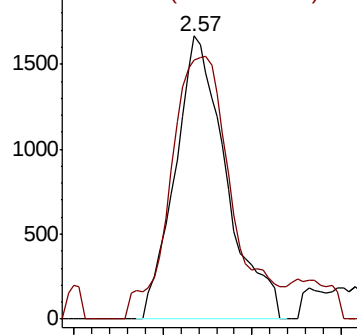
94 100

96 81.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 0.29 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

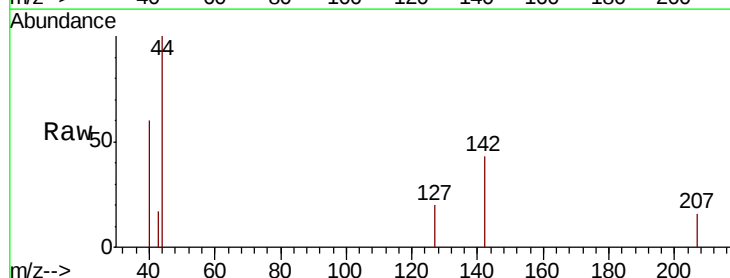
Tgt Ion: 142 Resp: 909

Ion Ratio Lower Upper

142 100

127 11.6 33.4 50.2#

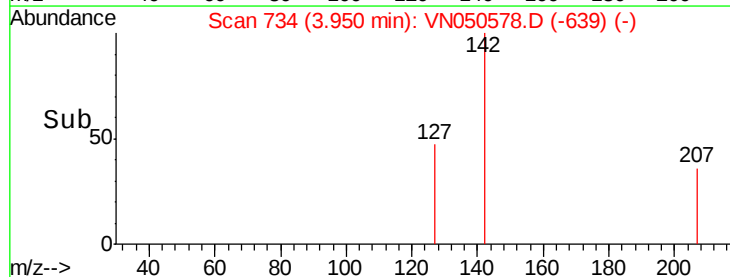
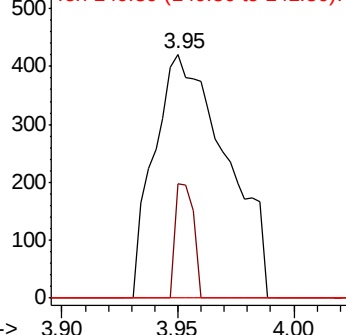
141 0.0 11.6 17.4#

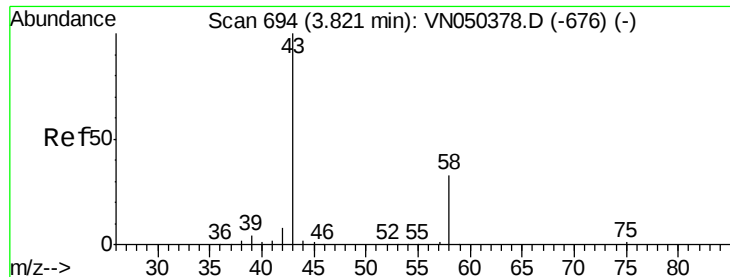


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 4.96 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

Instrument :

MSVOA_N

ClientSampleId :

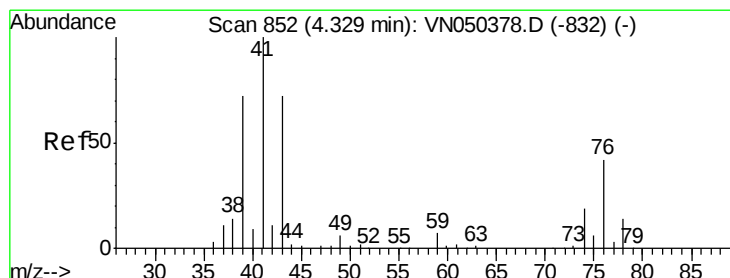
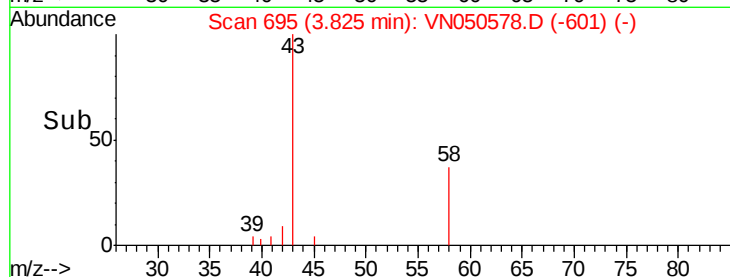
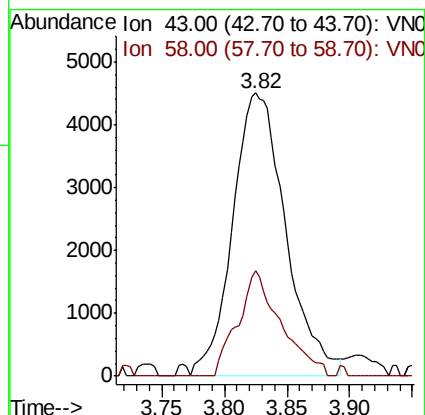
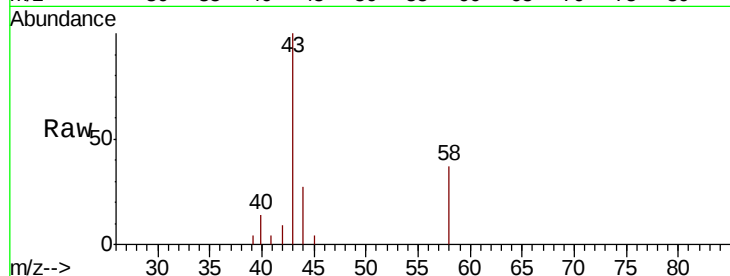
PB111961ZHE#11

Tot Ion: 43 Resp: 13269

Ion Ratio Lower Upper

43 100

58 37.4 25.8 38.8



#18

Methyl Acetate

Concen: 2.38 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050578.D

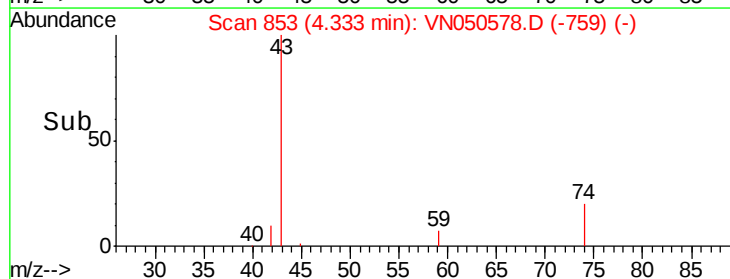
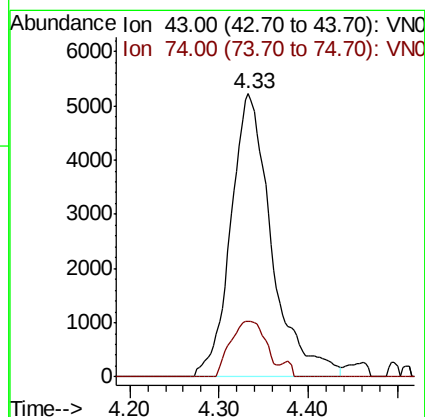
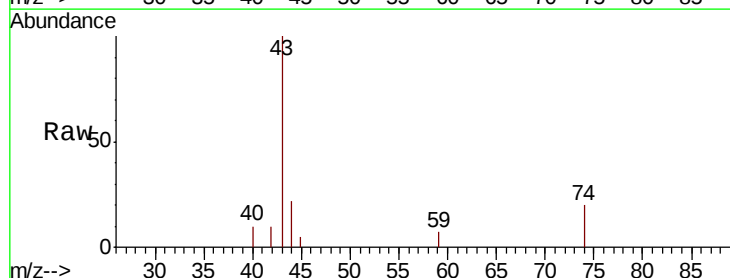
Acq: 13 Aug 2018 19:15

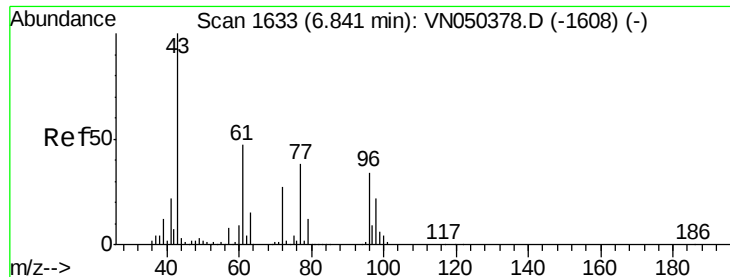
Tgt Ion: 43 Resp: 16626

Ion Ratio Lower Upper

43 100

74 16.8 19.2 28.8#





#25

2-Butanone

Concen: 0.35 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

Instrument :

MSVOA_N

ClientSampleId :

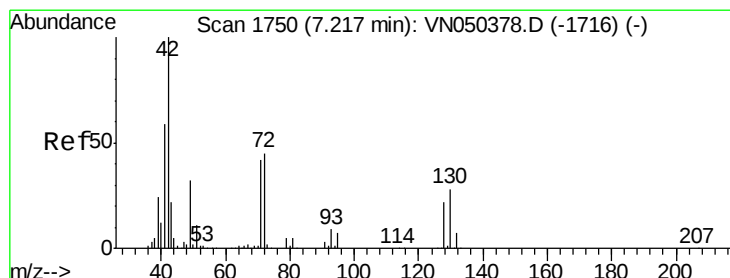
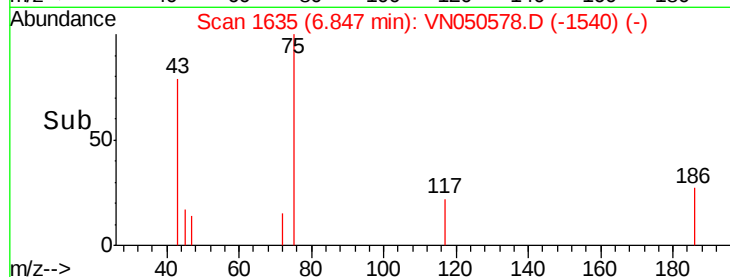
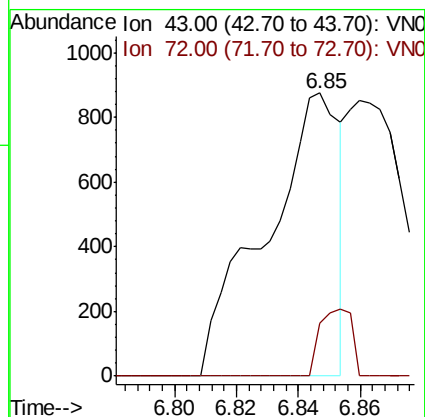
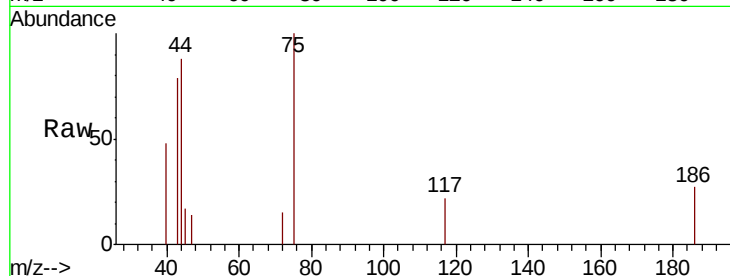
PB111961ZHE#11

Tot Ion: 43 Resp: 1446

Ion Ratio Lower Upper

43 100

72 18.9 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.45 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

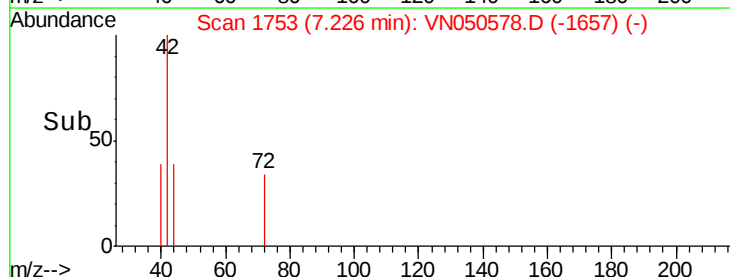
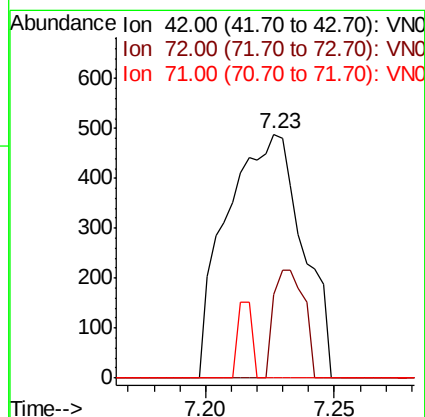
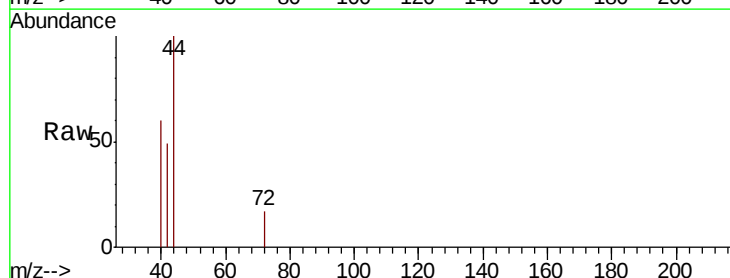
Tgt Ion: 42 Resp: 997

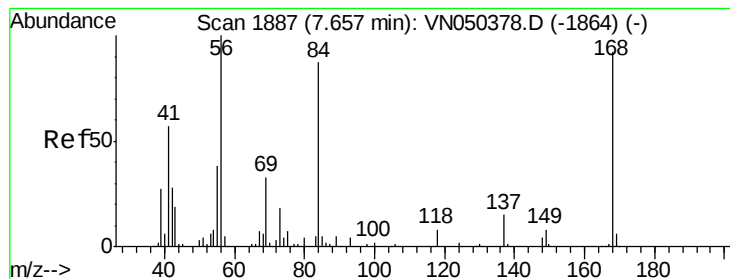
Ion Ratio Lower Upper

42 100

72 18.0 35.9 53.9#

71 5.9 33.7 50.5#





#31

Cyclohexane

Concen: 0.30 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#11

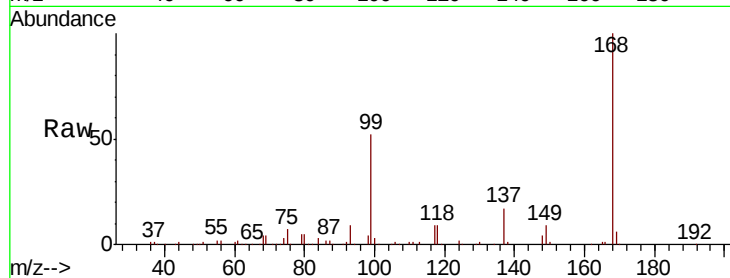
Tot Ion: 56 Resp: 11054

Ion Ratio Lower Upper

56 100

69 180.0 26.2 39.4#

84 137.5 67.4 101.0#

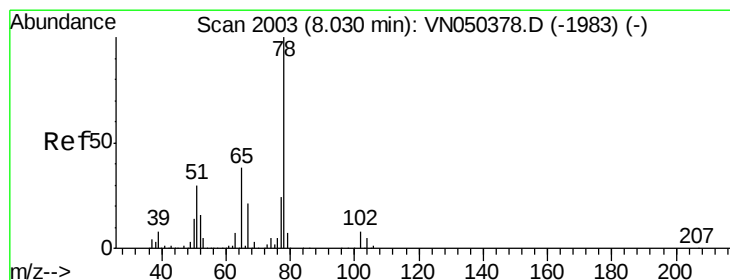
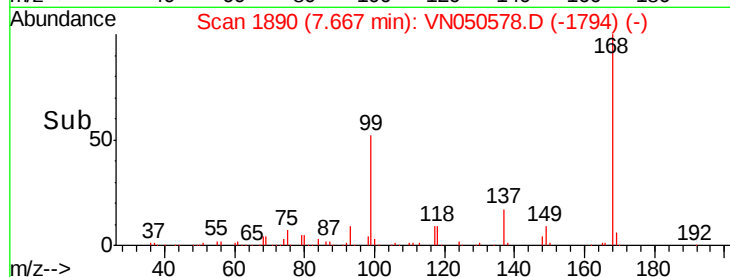
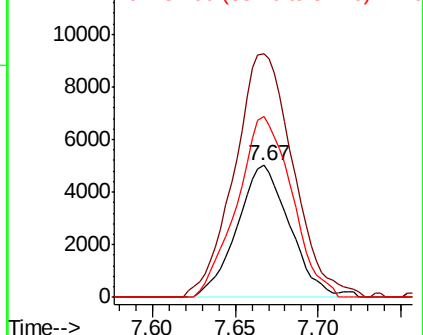


Abundance

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: 52.29 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050578.D

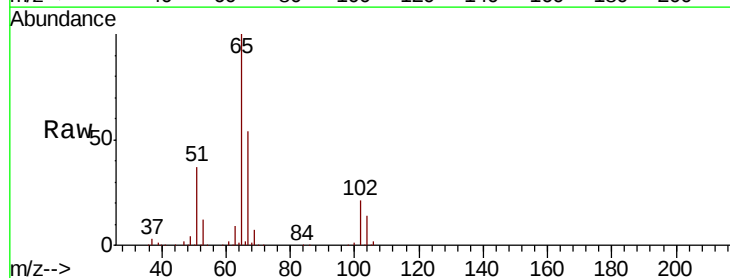
Acq: 13 Aug 2018 19:15

Tgt Ion: 65 Resp: 437573

Ion Ratio Lower Upper

65 100

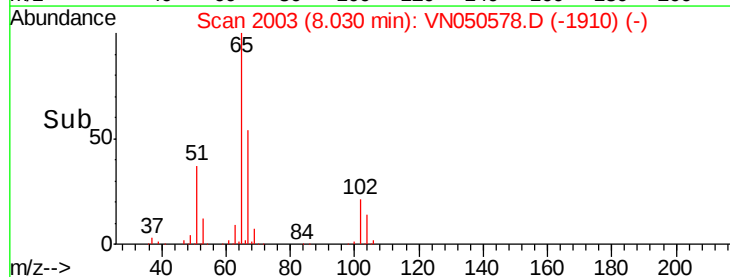
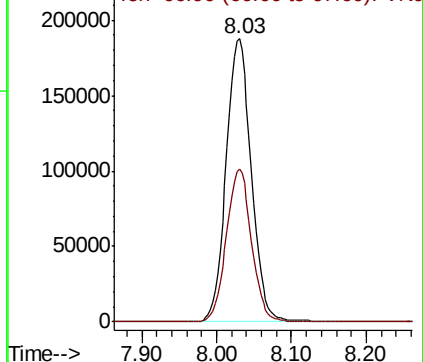
67 54.0 0.0 108.4

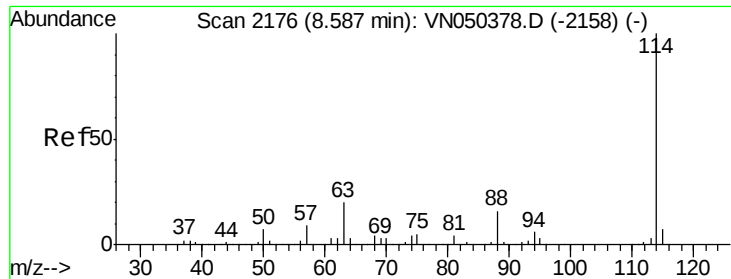


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

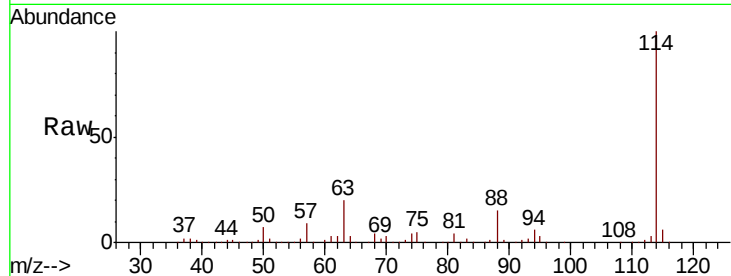




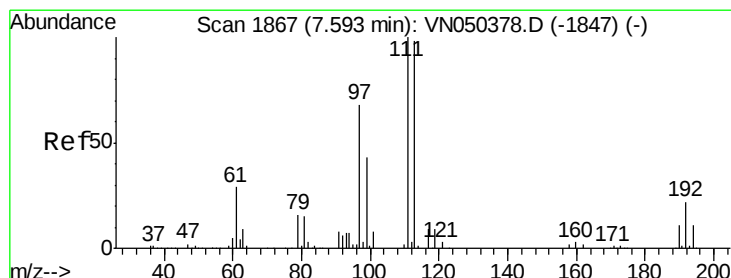
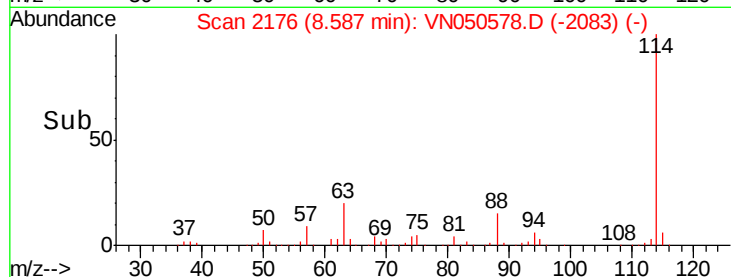
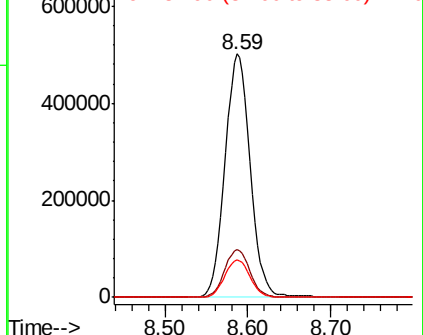
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050578.D
 Acq: 13 Aug 2018 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#11

Tot Ion:114 Resp: 1061235
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.5 0.0 31.2

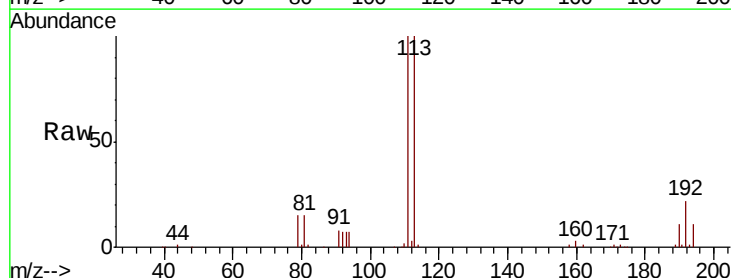


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

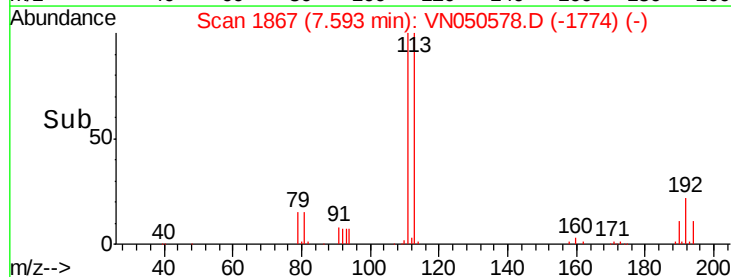
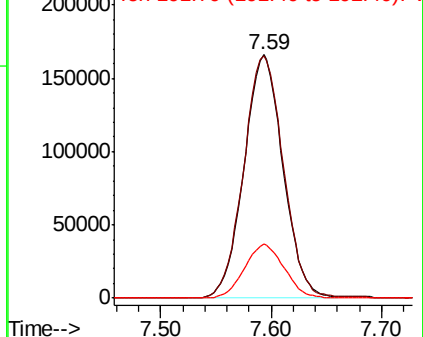


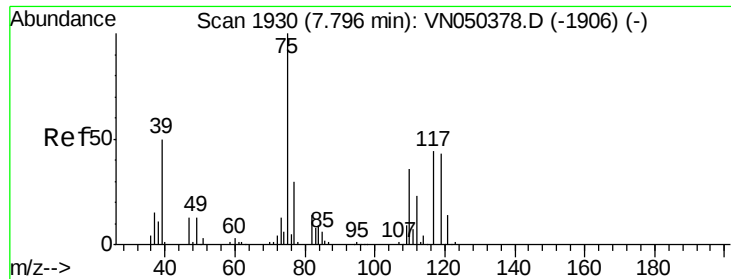
#35
 Dibromofluoromethane
 Concen: 47.78 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050578.D
 Acq: 13 Aug 2018 19:15

Tgt Ion:113 Resp: 406872
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.7 121.1
 192 22.5 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

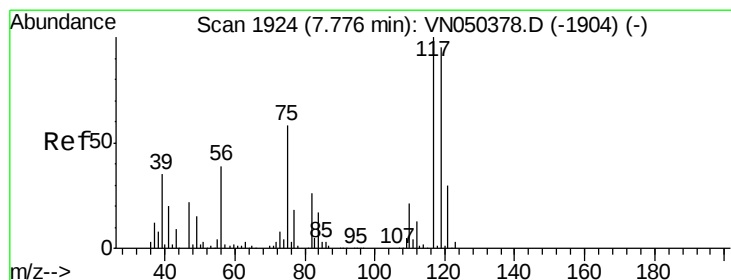
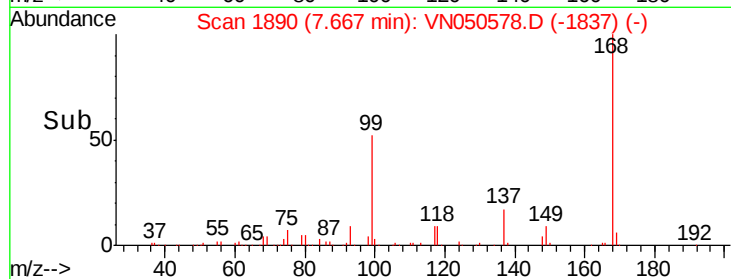
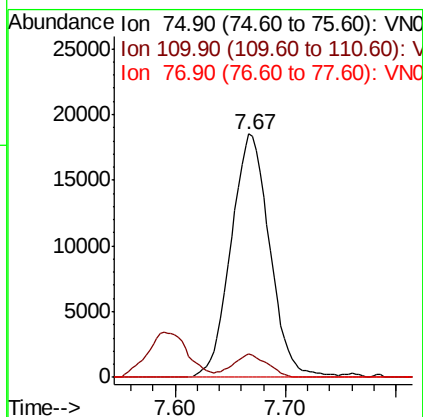
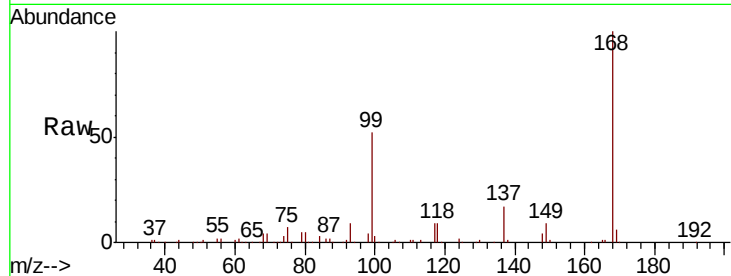




#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050578.D
 Acq: 13 Aug 2018 19:15

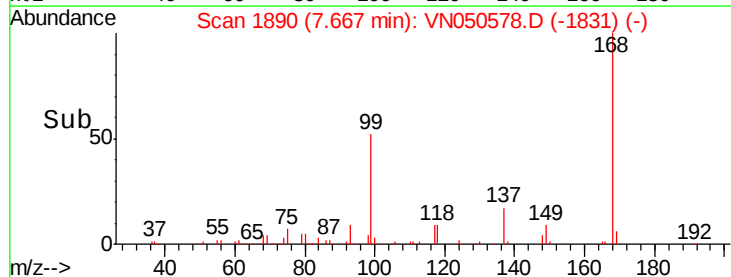
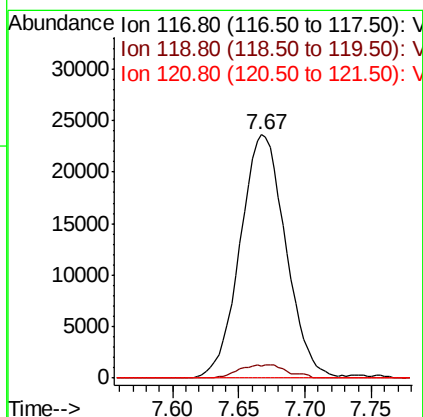
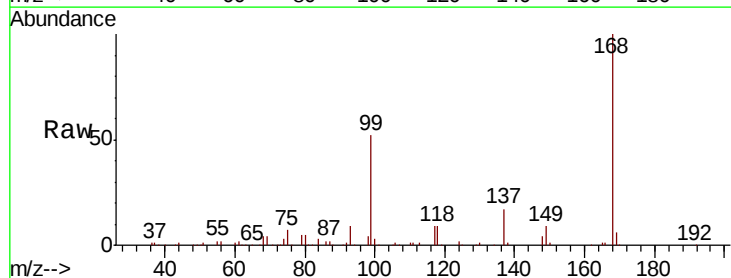
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#11

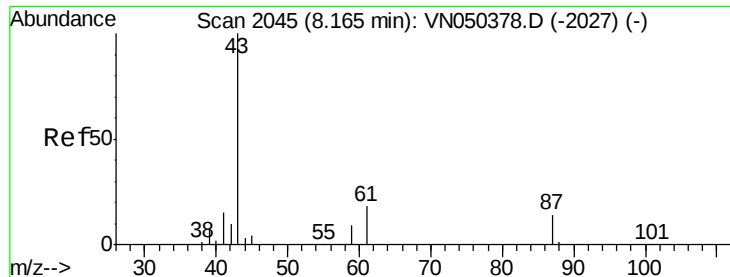
Tot Ion	75	Resp	44968
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.63 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050578.D
 Acq: 13 Aug 2018 19:15

Tgt Ion	117	Resp	56351
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.1	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 16.82 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#11

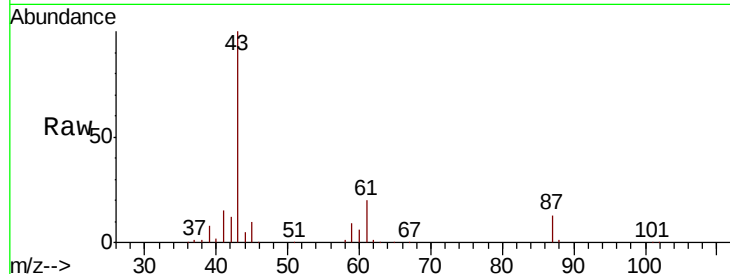
Tot Ion: 43 Resp: 243773

Ion Ratio Lower Upper

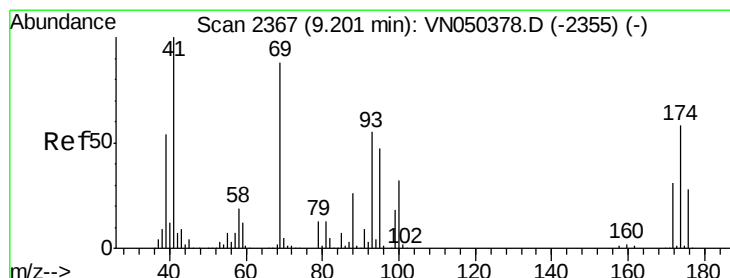
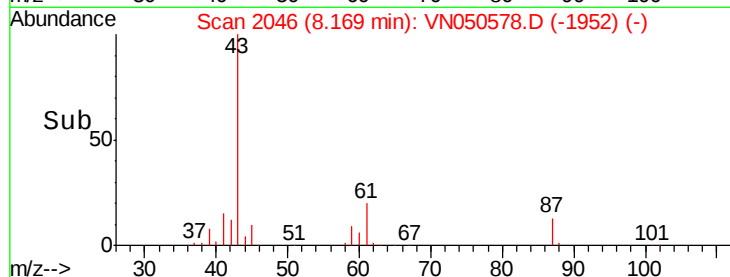
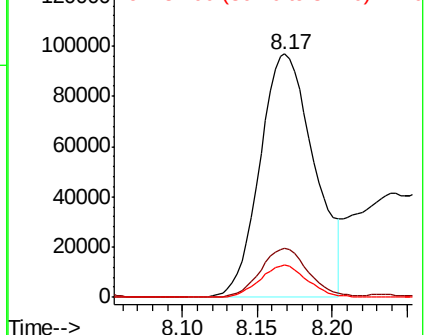
43 100

61 17.9 15.8 23.6

87 11.6 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: 0.92 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

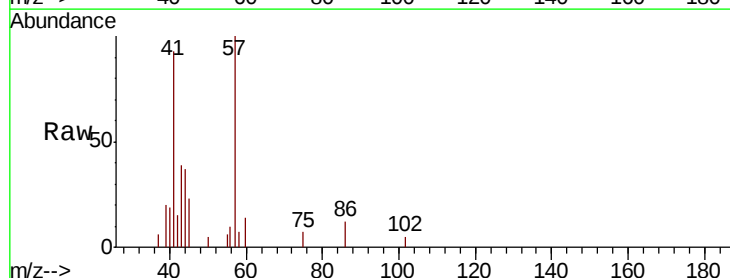
Tgt Ion: 41 Resp: 6696

Ion Ratio Lower Upper

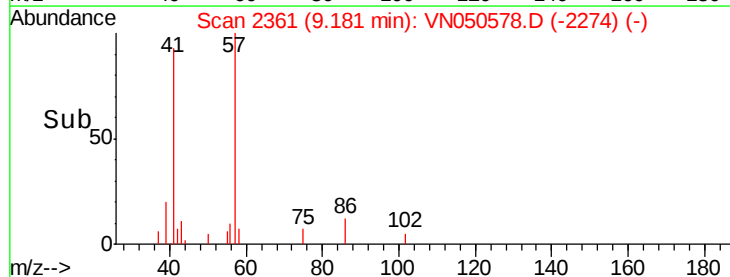
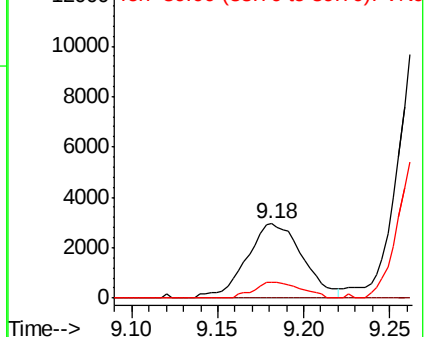
41 100

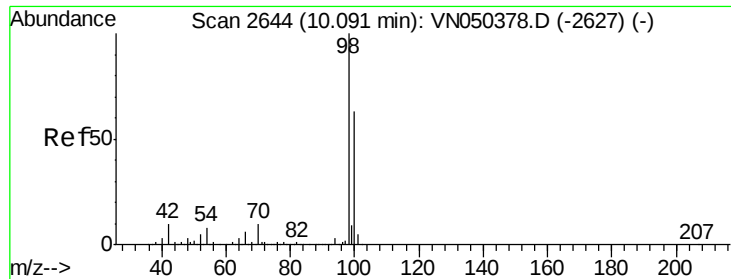
69 0.0 70.6 105.8#

39 18.0 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: 45.37 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

Instrument :

MSVOA_N

ClientSampleId :

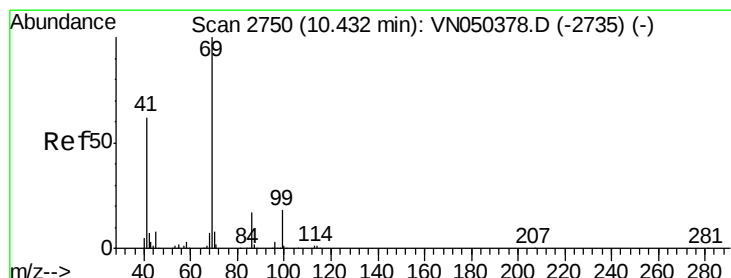
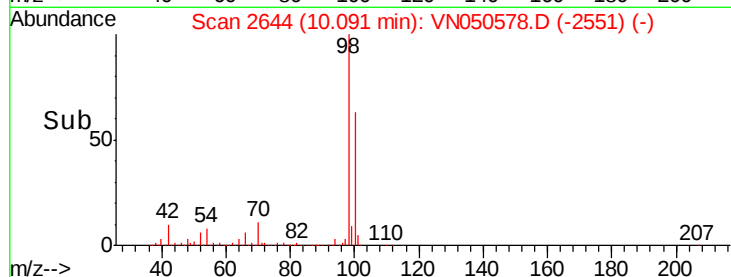
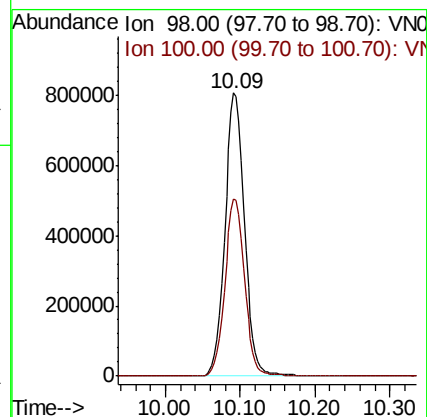
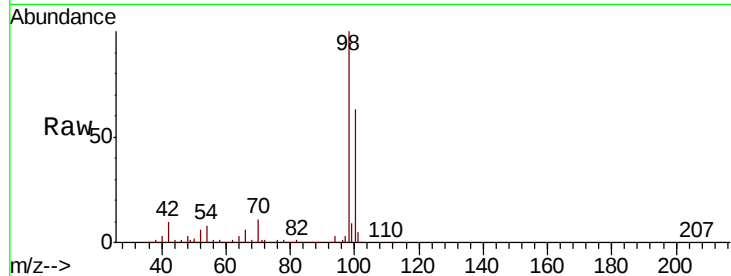
PB111961ZHE#11

Tot Ion: 98 Resp: 1452628

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



#56

Ethyl methacrylate

Concen: 1.75 ug/l

RT: 10.64 min Scan# 2814

Delta R.T. 0.21 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

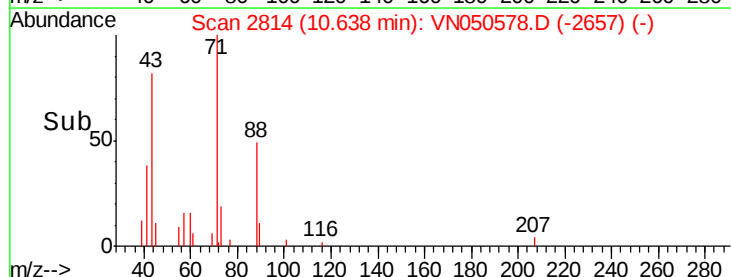
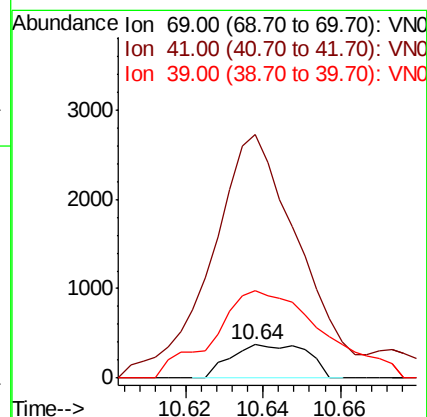
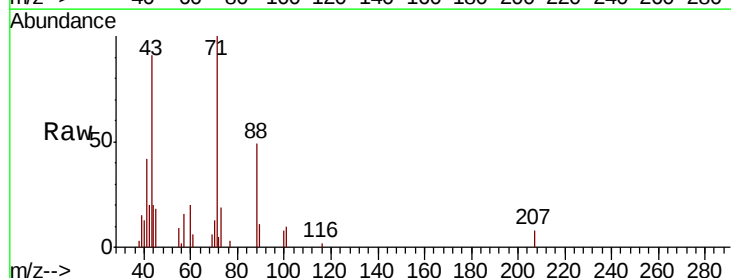
Tgt Ion: 69 Resp: 512

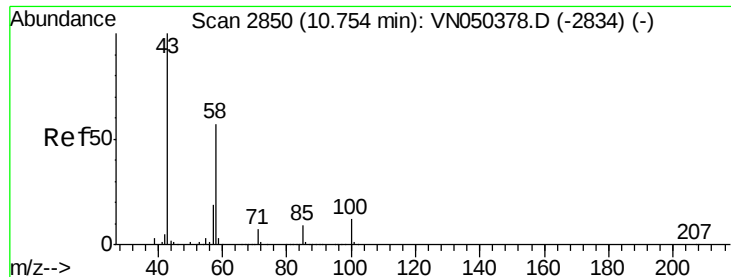
Ion Ratio Lower Upper

69 100

41 844.3 51.0 76.4#

39 373.6 26.6 40.0#

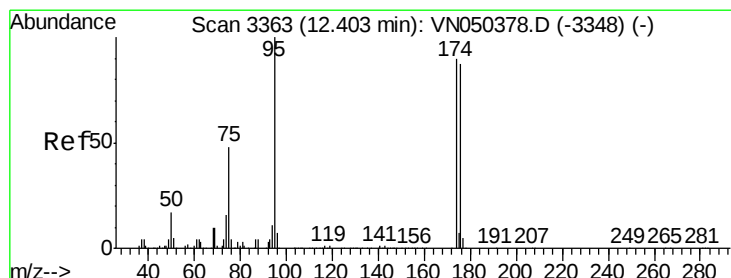
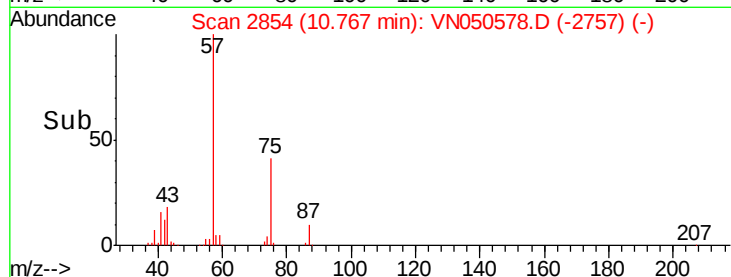
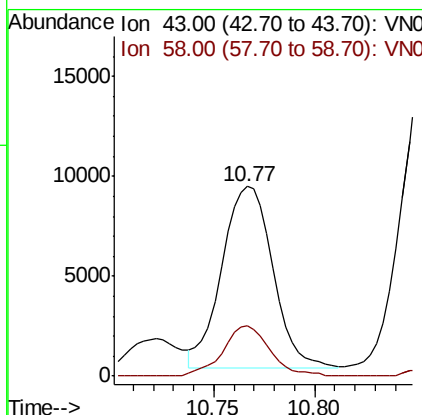
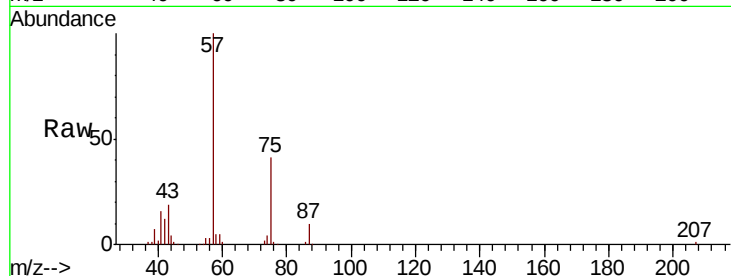




#59
2-Hexanone
Concen: 2.20 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050578.D
Acq: 13 Aug 2018 19:15

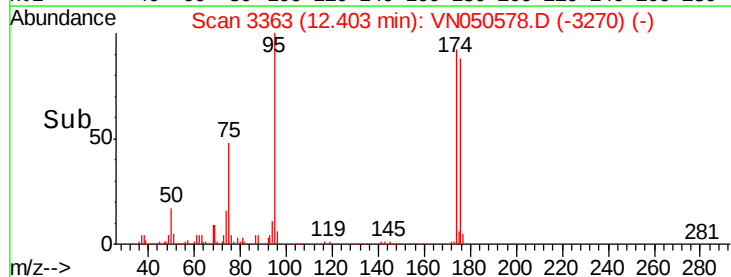
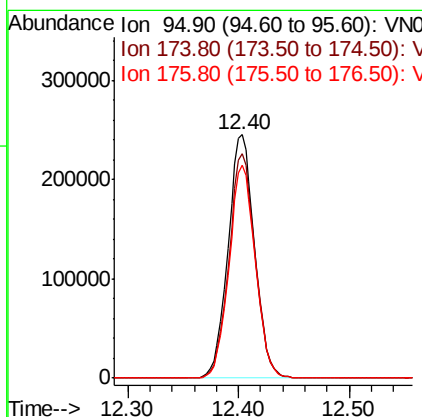
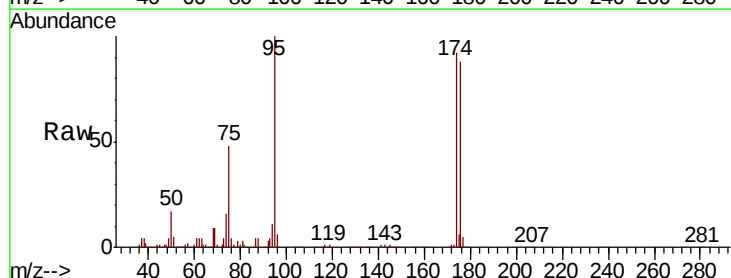
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#11

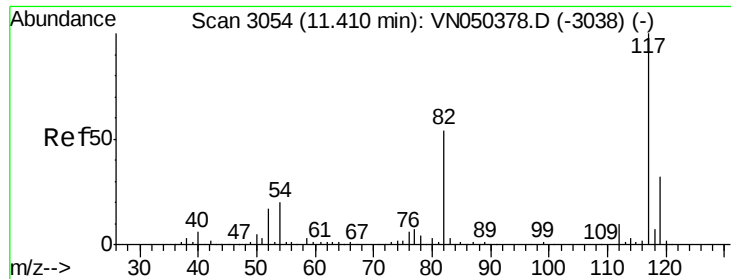
Tot Ion: 43 Resp: 16017
Ion Ratio Lower Upper
43 100
58 25.9 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 37.25 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050578.D
Acq: 13 Aug 2018 19:15

Tgt Ion: 95 Resp: 406505
Ion Ratio Lower Upper
95 100
174 91.9 0.0 178.2
176 87.0 0.0 173.4

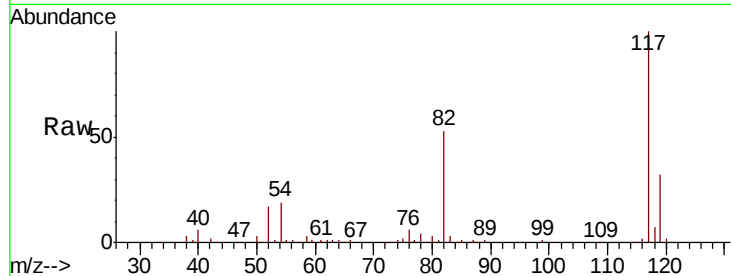




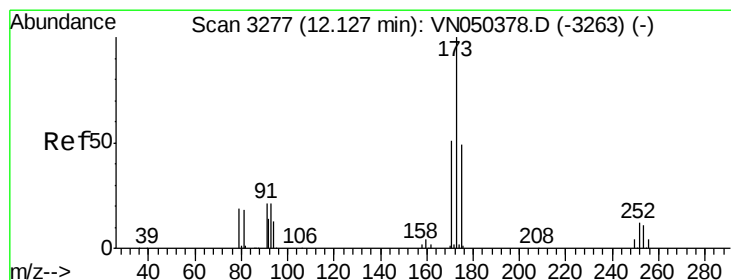
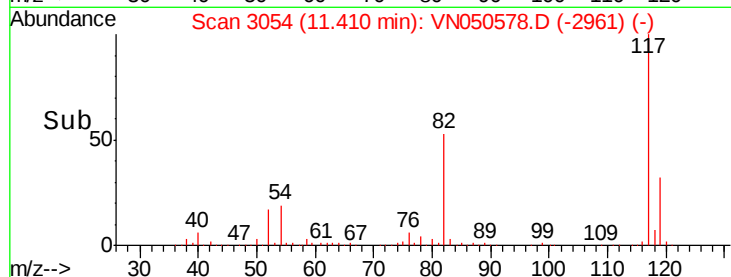
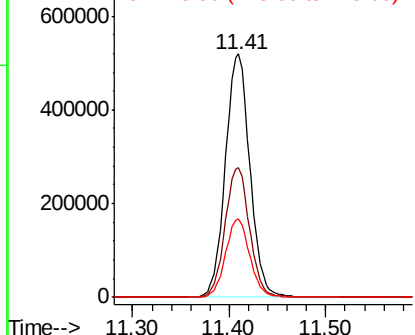
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050578.D
Acq: 13 Aug 2018 19:15

Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#11

Tot Ion:117 Resp: 912022
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.1 26.1 39.1

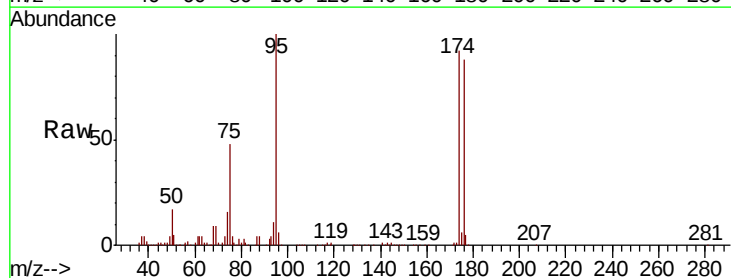


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

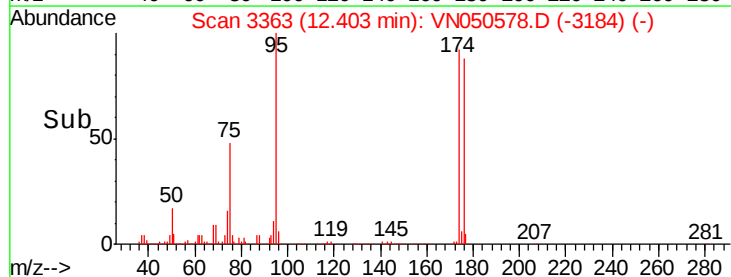
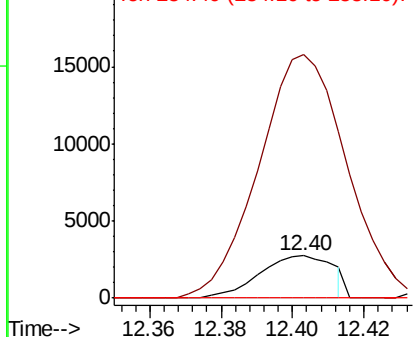


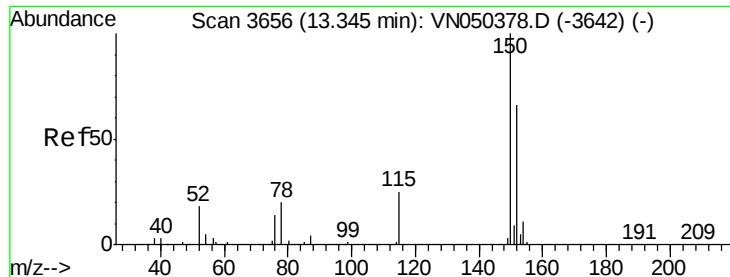
#71
Bromoform
Concen: 0.65 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050578.D
Acq: 13 Aug 2018 19:15

Tgt Ion:173 Resp: 3937
Ion Ratio Lower Upper
173 100
175 577.0 24.1 72.2#
254 0.0 0.2 0.2#



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: VN050578.D

Acq: 13 Aug 2018 19:15

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#11

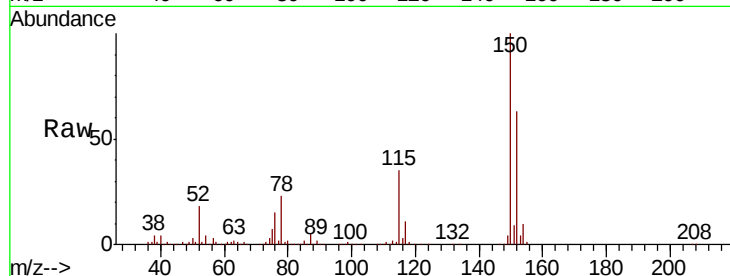
Tot Ion:152 Resp: 341880

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

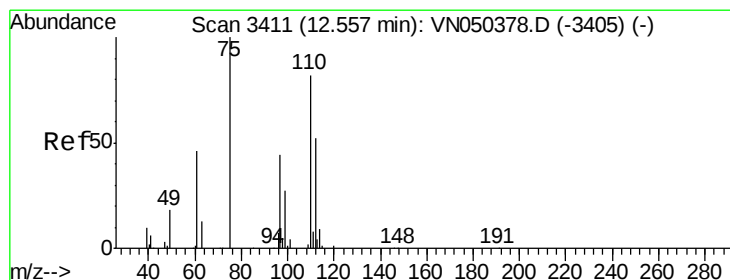
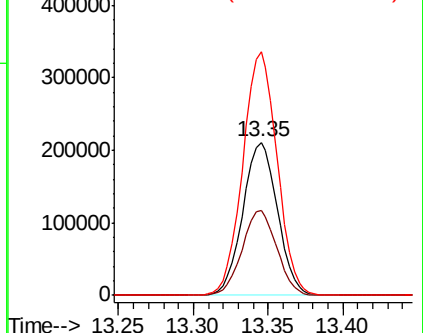
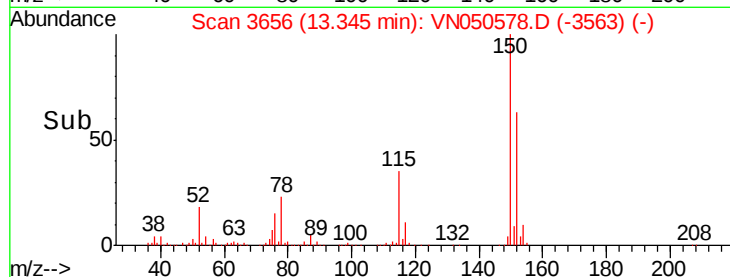
150 157.1 0.0 348.6



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



#76

1,2,3-Trichloropropane

Concen: 31.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050578.D

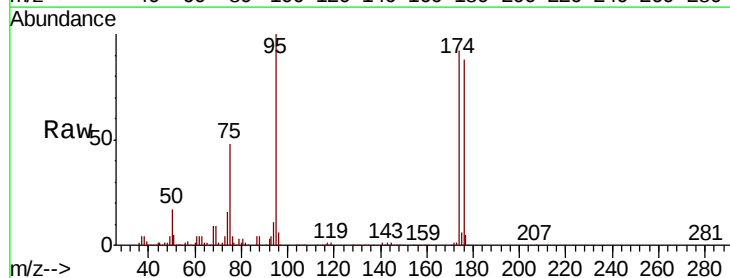
Acq: 13 Aug 2018 19:15

Tgt Ion: 75 Resp: 194884

Ion Ratio Lower Upper

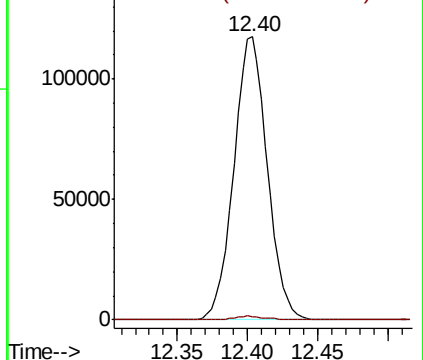
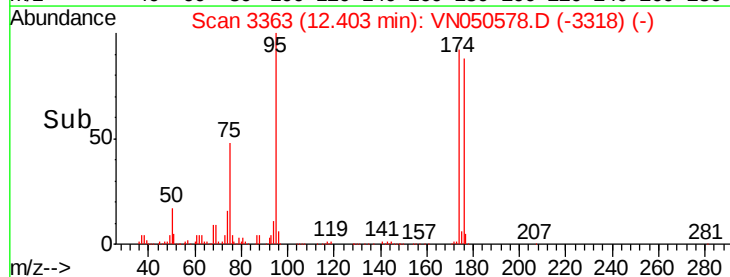
75 100

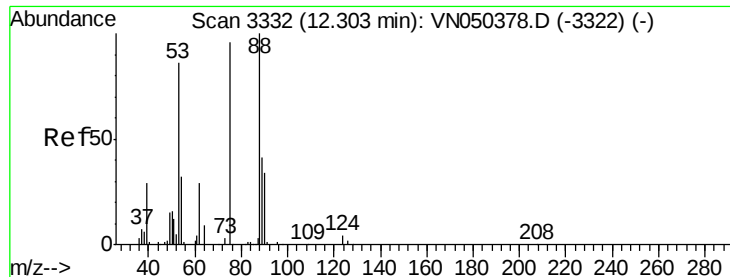
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 110.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#11

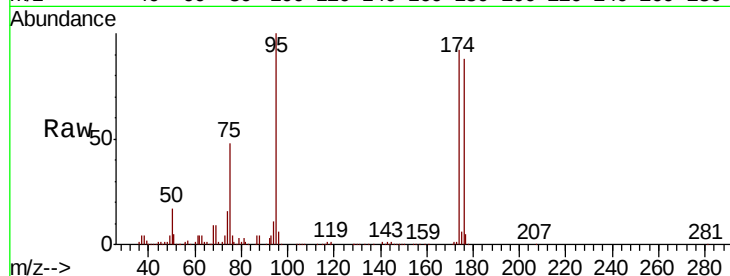
Tot Ion: 75 Resp: 194884

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

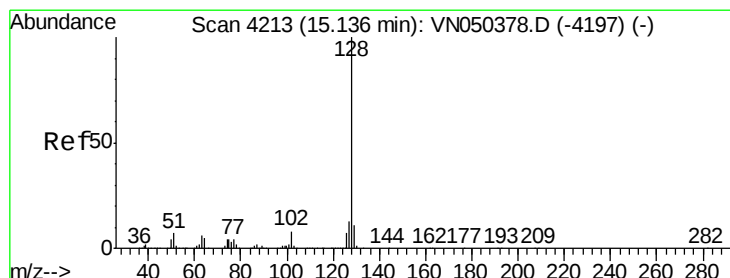
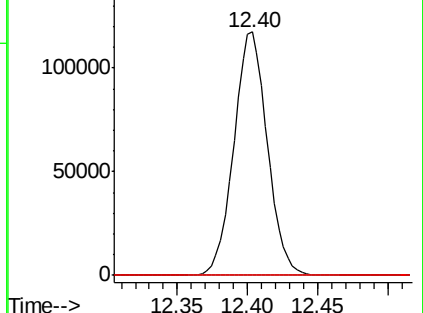
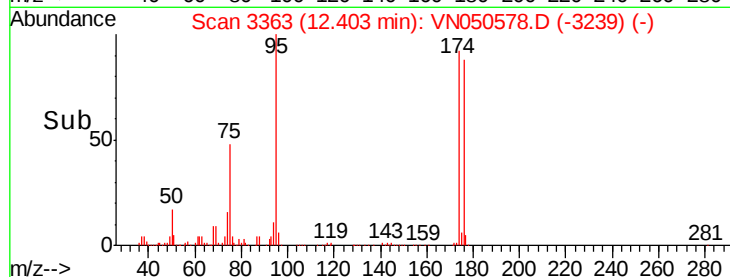
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 3.63 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN050578.D

Acq: 13 Aug 2018 19:15

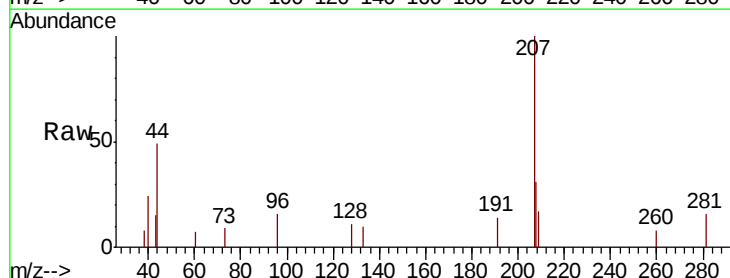
Tgt Ion: 128 Resp: 116

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

