

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050524.D
 Acq On : 10 Aug 2018 17:51
 Operator : MD\SY
 Sample : PB111921ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#03

Quant Time: Aug 10 23:18:14 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	673036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1113355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	976891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	390042	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	464940	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
35) Dibromofluoromethane	7.59	113	427314	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
50) Toluene-d8	10.09	98	1524255	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
62) 4-Bromofluorobenzene	12.40	95	448458	39.17	ug/l	0.00
Spiked Amount			Recovery	=	78.34%	

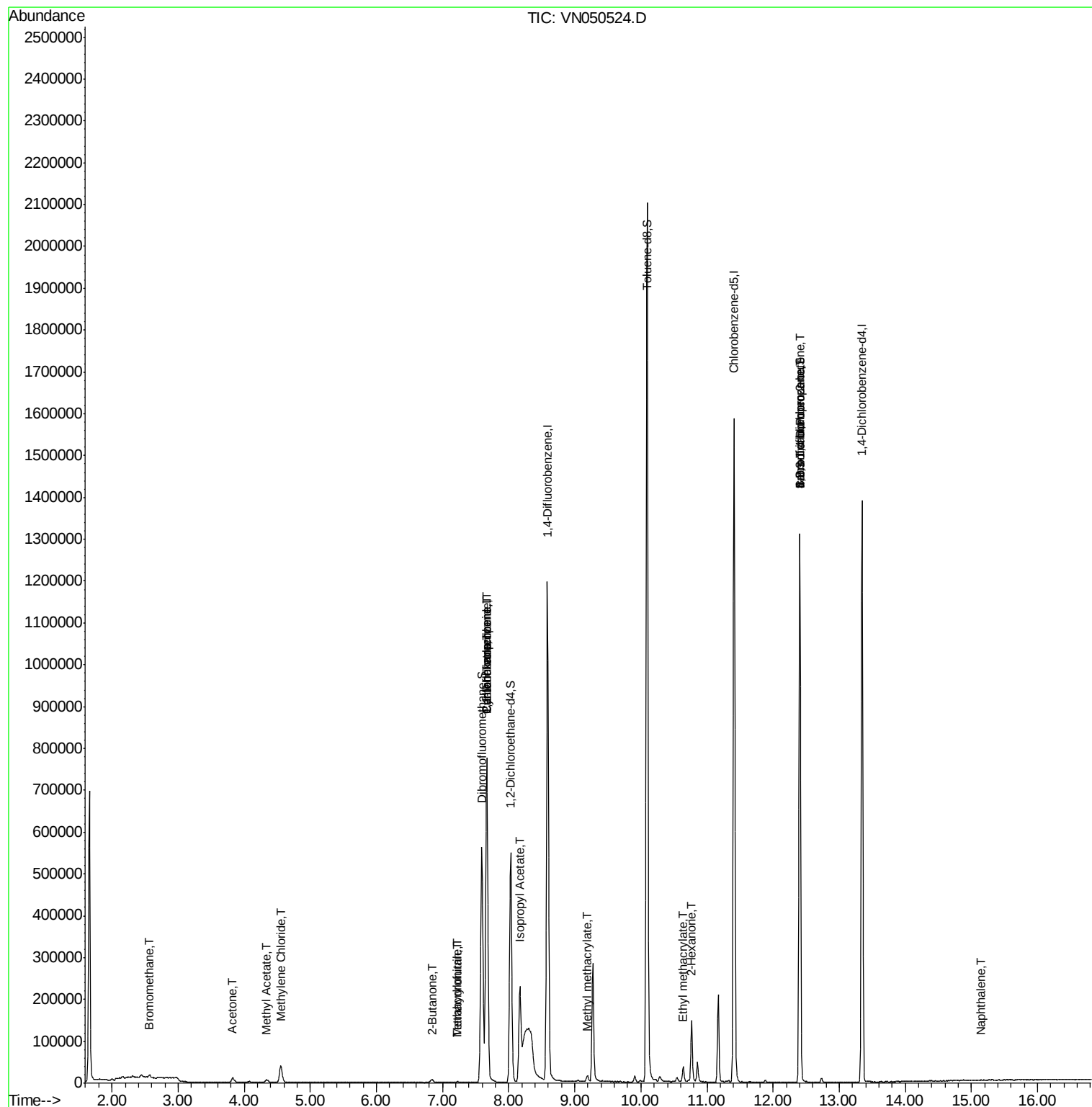
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2789	Below Cal		94
5) Bromomethane	2.56	94	4346	1.09 ug/l		93
16) Acetone	3.82	43	20530	7.31 ug/l		98
18) Methyl Acetate	4.33	43	10509	1.32 ug/l		96
20) Methylene Chloride	4.55	84	29646	2.13 ug/l		97
25) 2-Butanone	6.86	43	4075	0.91 ug/l		100
29) Tetrahydrofuran	7.23	42	1521	0.64 ug/l #		69
31) Cyclohexane	7.67	56	12050	0.31 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	48102	3.93 ug/l #		48
38) Carbon Tetrachloride	7.67	117	59512	4.66 ug/l #		17
41) Methacrylonitrile	7.22	41	963	0.21 ug/l #		13
43) Isopropyl Acetate	8.17	43	287582	18.91 ug/l		99
48) Methyl methacrylate	9.18	41	8855	1.16 ug/l #		21
56) Ethyl methacrylate	10.64	69	649	1.76 ug/l #		1
59) 2-Hexanone	10.77	43	20077	2.63 ug/l #		60
71) Bromoform	12.40	173	2154	0.33 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	215895	30.58 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	215895	107.44 ug/l #		13
95) Naphthalene	15.14	128	124	3.63 ug/l #		69

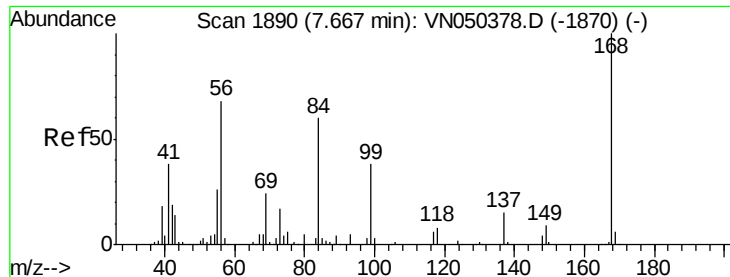
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
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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: VN050524.D

Acq: 10 Aug 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

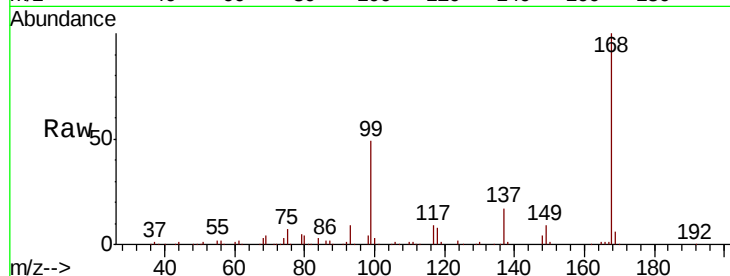
PB111921ZHE#03

Tot Ion:168 Resp: 673036

Ion Ratio Lower Upper

168 100

99 49.4 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

300000

250000

200000

150000

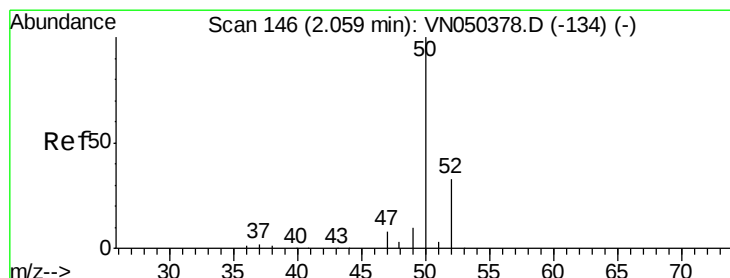
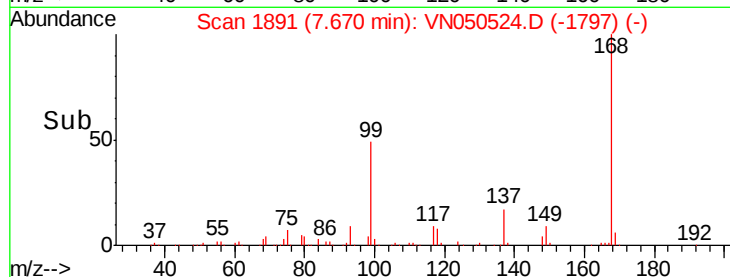
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050524.D

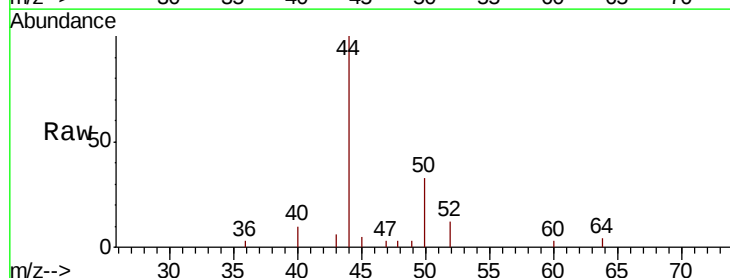
Acq: 10 Aug 2018 17:51

Tgt Ion: 50 Resp: 2789

Ion Ratio Lower Upper

50 100

52 35.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2500

2000

1500

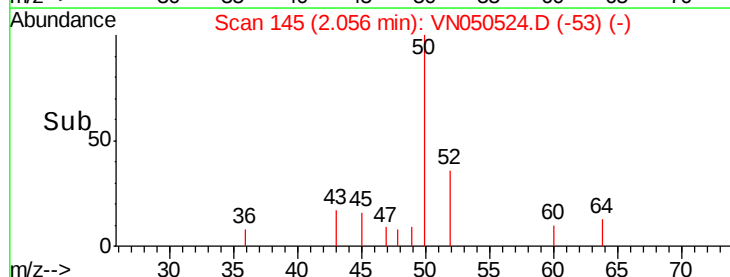
1000

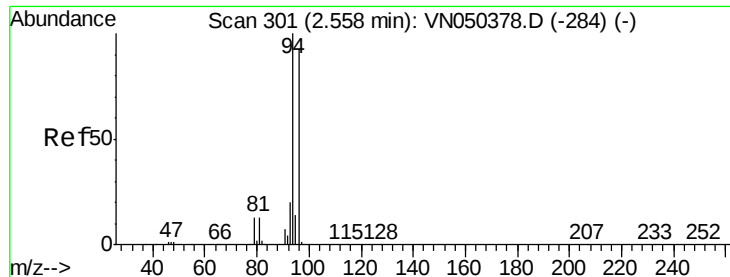
500

0

Time-->

2.02 2.04 2.06 2.08 2.10





#5

Bromomethane

Concen: 1.09 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050524.D

Acq: 10 Aug 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

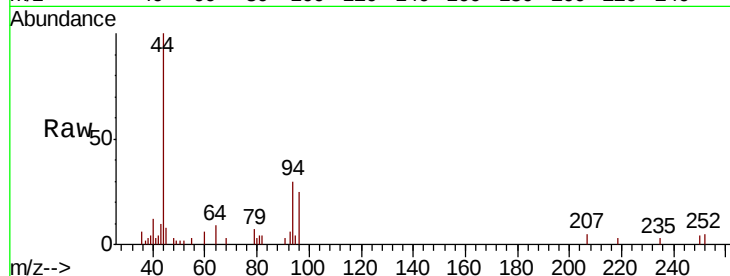
PB111921ZHE#03

Tot Ion: 94 Resp: 4346

Ion Ratio Lower Upper

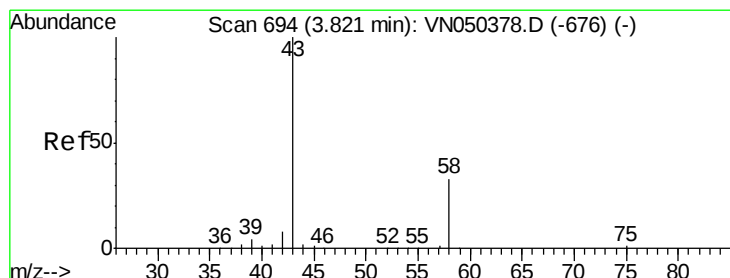
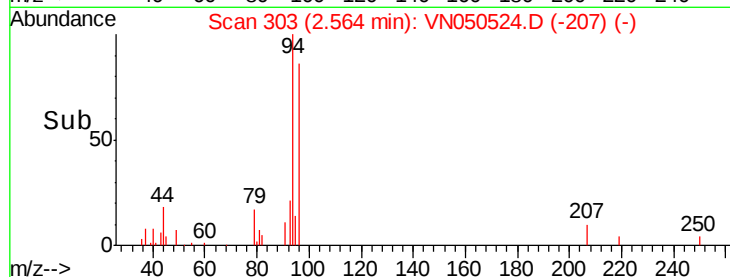
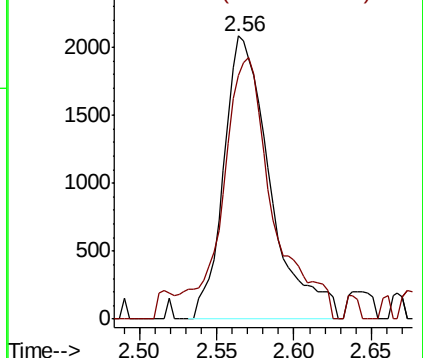
94 100

96 86.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 7.31 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050524.D

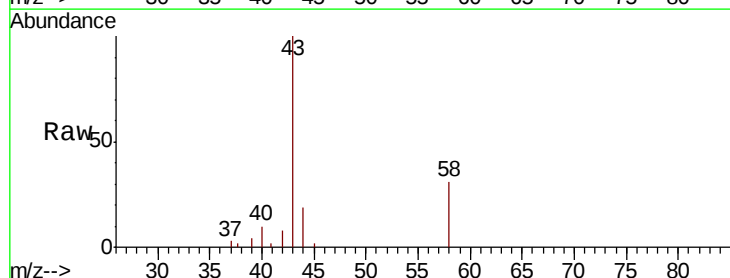
Acq: 10 Aug 2018 17:51

Tgt Ion: 43 Resp: 20530

Ion Ratio Lower Upper

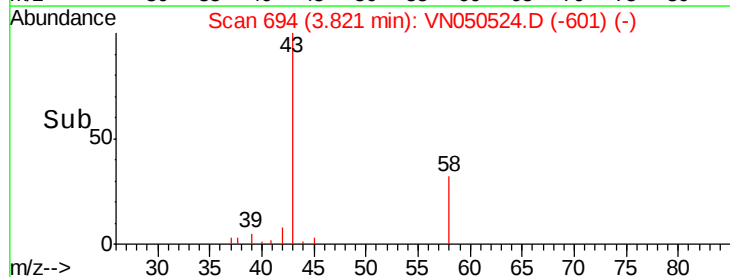
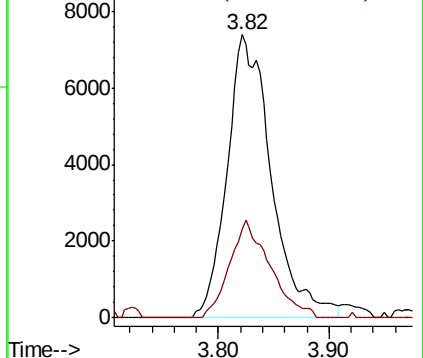
43 100

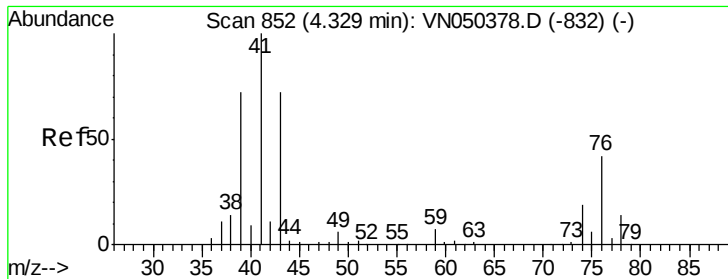
58 31.2 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

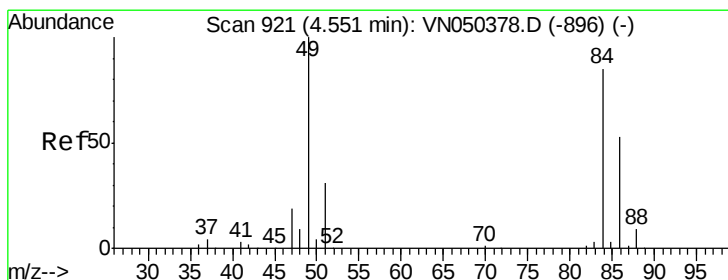
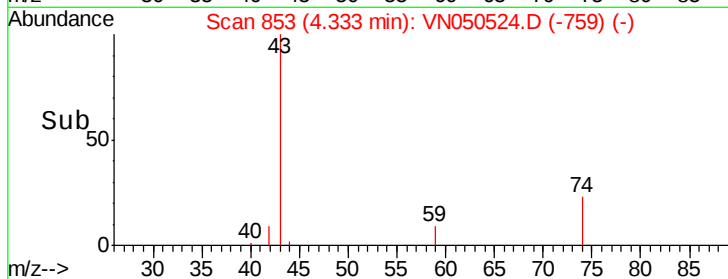
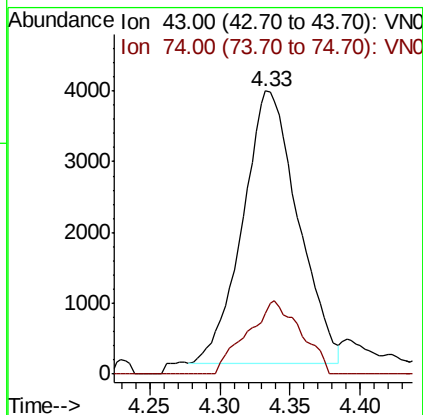
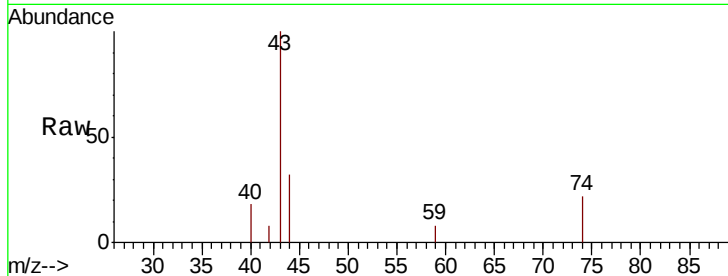




#18
Methyl Acetate
Concen: 1.32 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

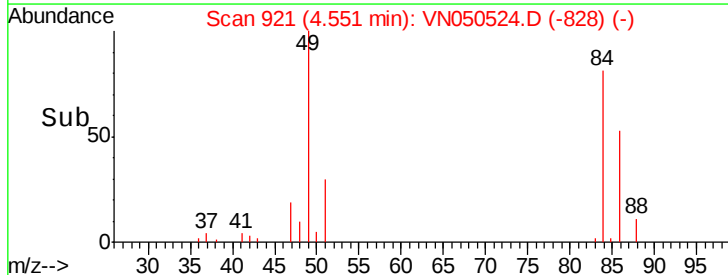
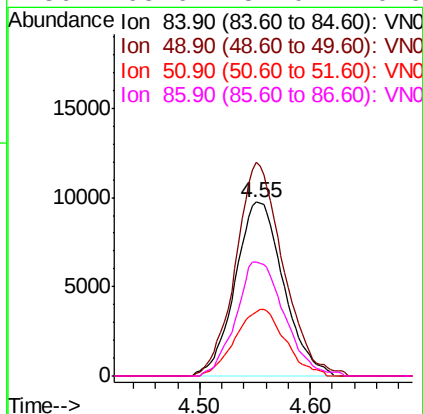
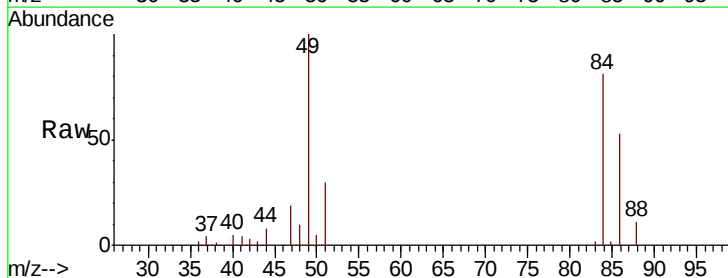
Instrument :
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PB111921ZHE#03

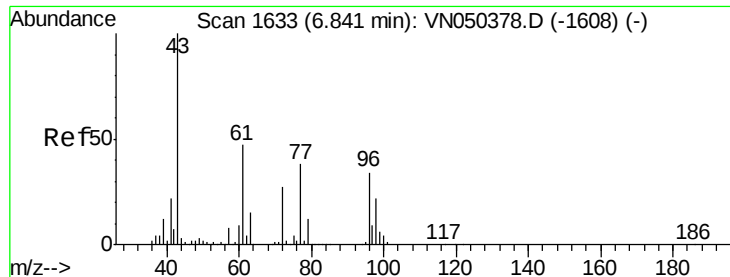
Tot Ion: 43 Resp: 10509
Ion Ratio Lower Upper
43 100
74 26.1 19.2 28.8



#20
Methylene Chloride
Concen: 2.13 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

Tgt Ion: 84 Resp: 29646
Ion Ratio Lower Upper
84 100
49 122.8 94.8 142.2
51 36.7 28.3 42.5
86 65.6 51.0 76.6

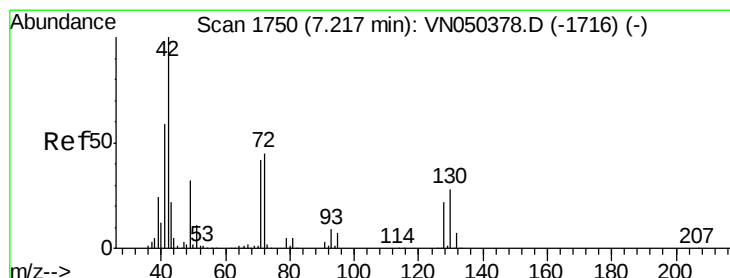
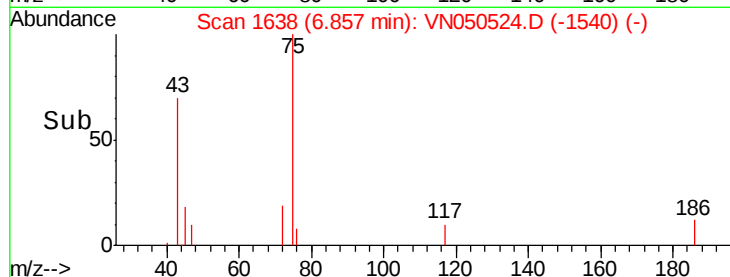
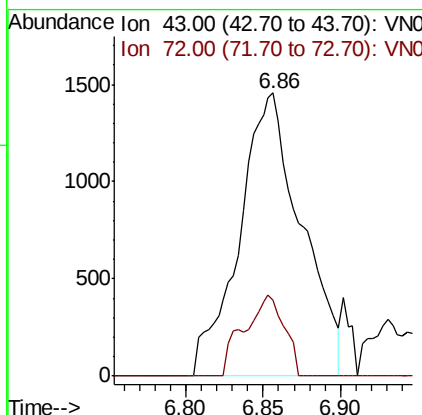
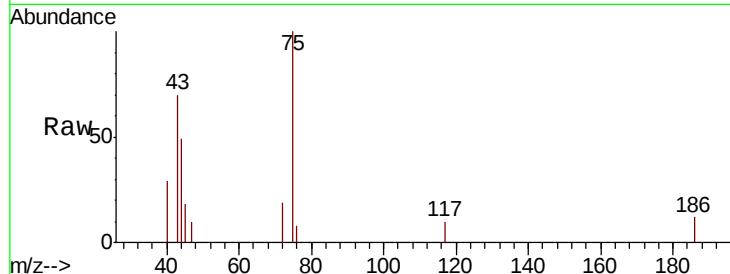




#25
2-Butanone
Concen: 0.91 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

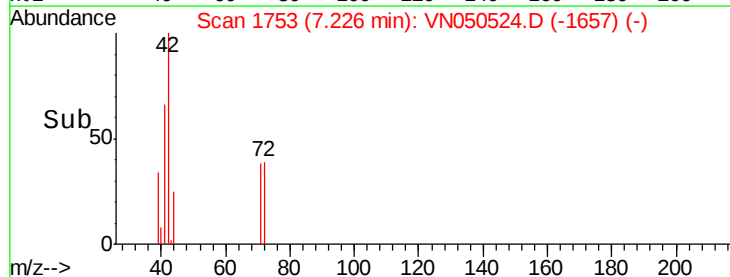
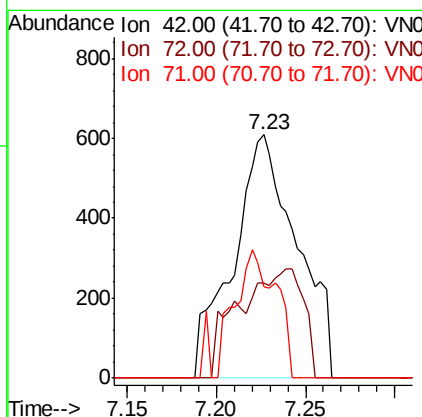
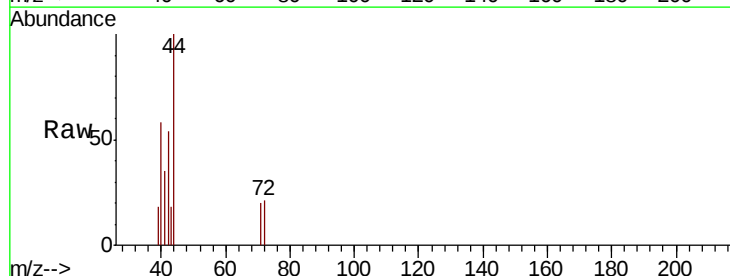
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#03

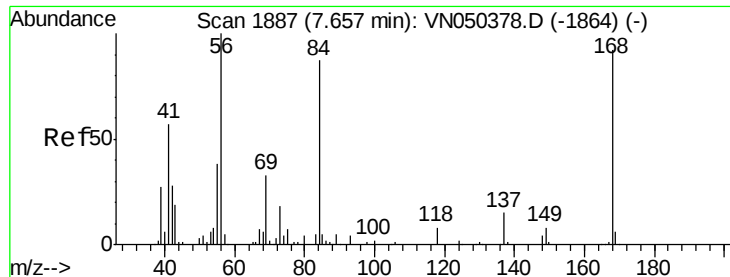
Tot Ion: 43 Resp: 4075
Ion Ratio Lower Upper
43 100
72 27.0 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.64 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

Tgt Ion: 42 Resp: 1521
Ion Ratio Lower Upper
42 100
72 12.9 35.9 53.9#
71 34.1 33.7 50.5





#31

Cyclohexane

Concen: 0.31 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050524.D

Acq: 10 Aug 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#03

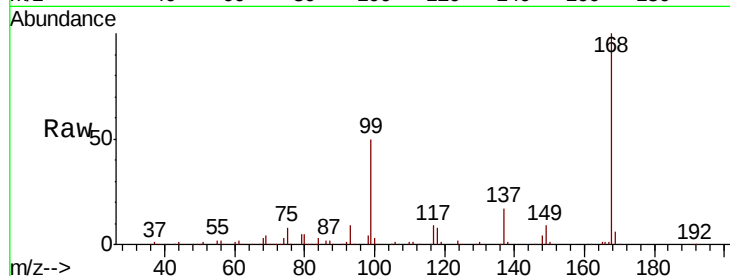
Tot Ion: 56 Resp: 12050

Ion Ratio Lower Upper

56 100

69 184.9 26.2 39.4#

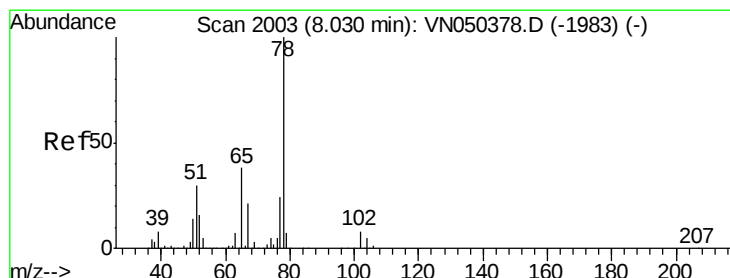
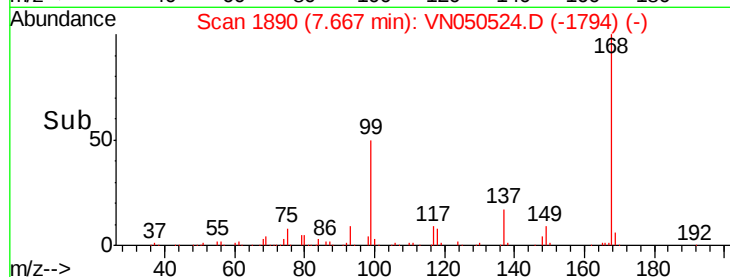
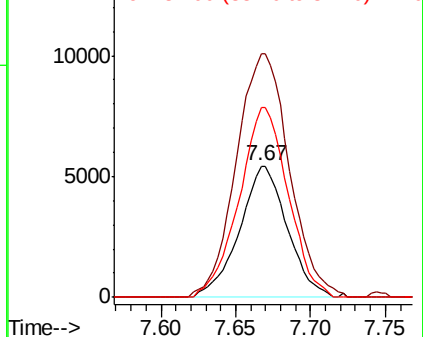
84 144.1 67.4 101.0#



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: 51.70 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050524.D

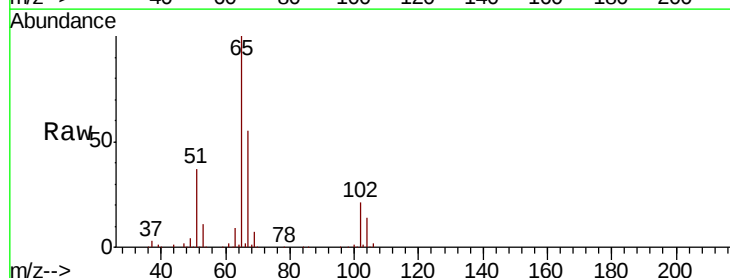
Acq: 10 Aug 2018 17:51

Tgt Ion: 65 Resp: 464940

Ion Ratio Lower Upper

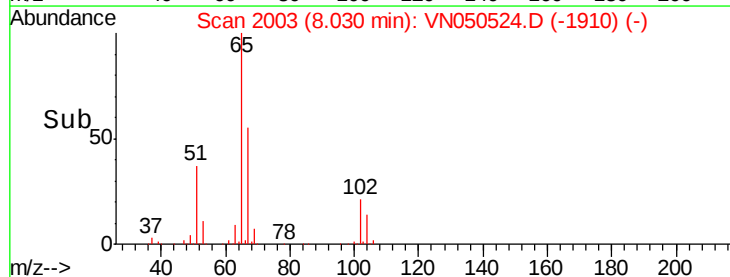
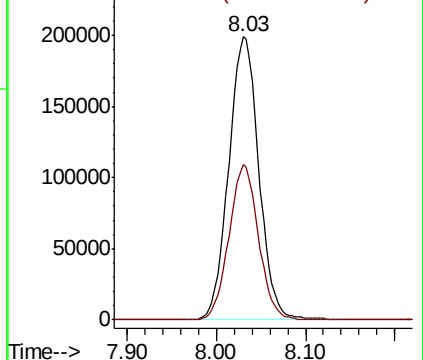
65 100

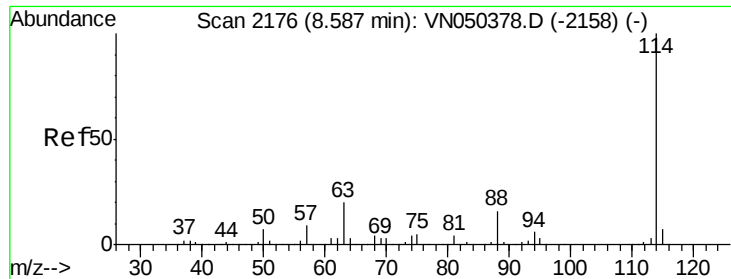
67 53.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

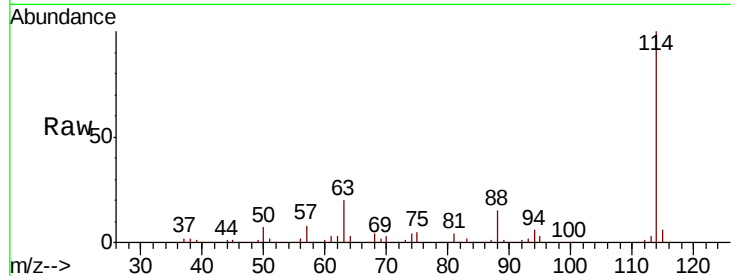




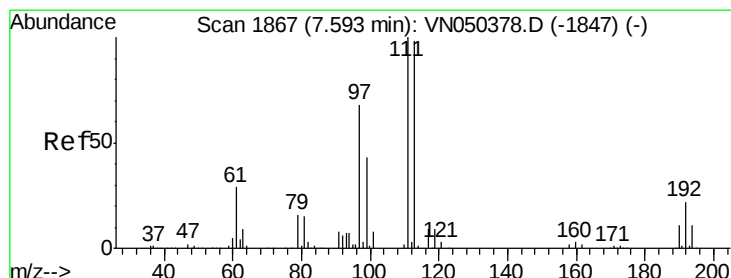
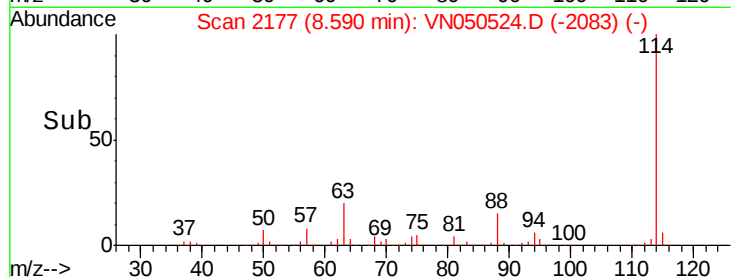
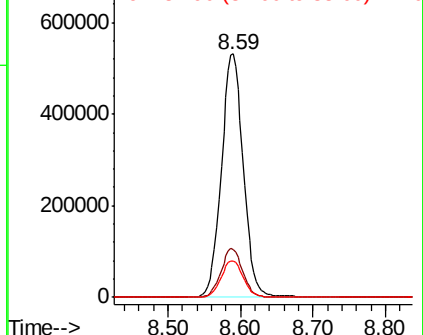
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050524.D
 Acq: 10 Aug 2018 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#03

Tot Ion:114 Resp: 1113355
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.1 0.0 31.2

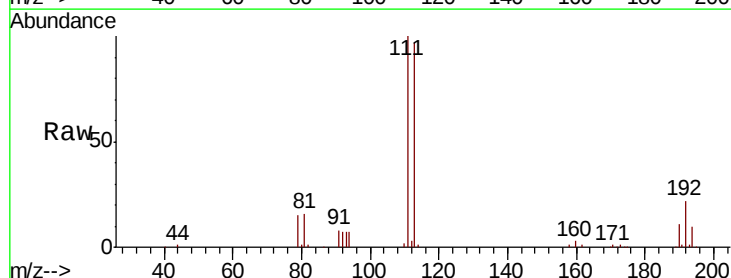


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

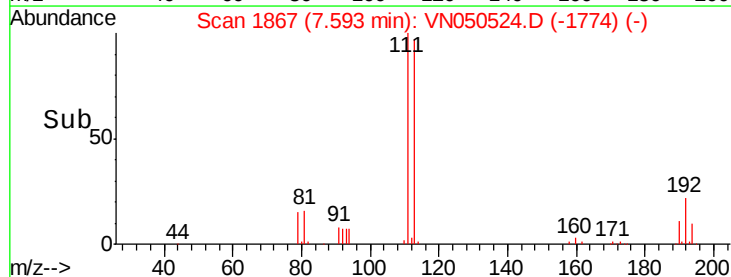
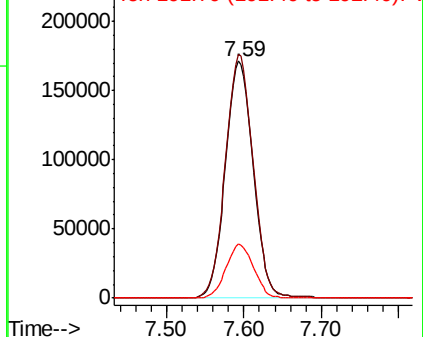


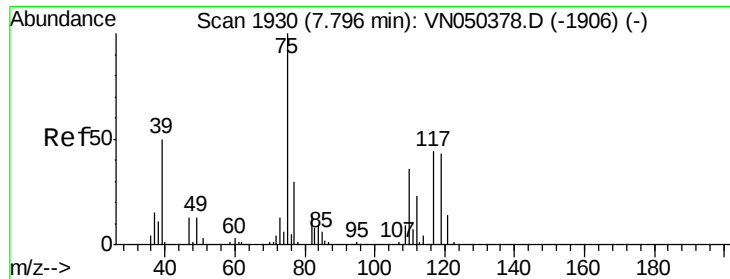
#35
 Dibromofluoromethane
 Concen: 47.83 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050524.D
 Acq: 10 Aug 2018 17:51

Tgt Ion:113 Resp: 427314
 Ion Ratio Lower Upper
 113 100
 111 102.5 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

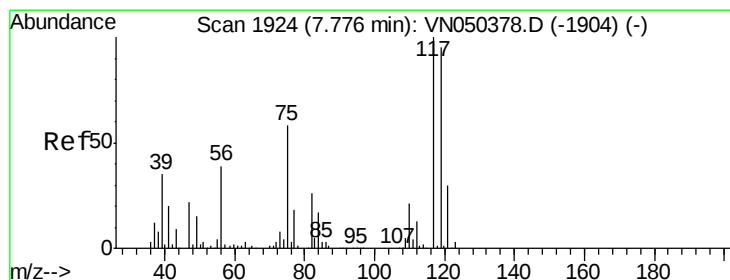
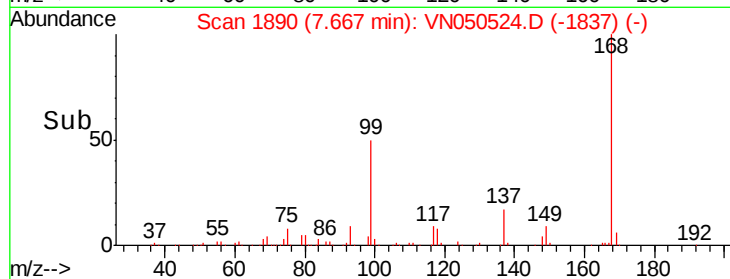
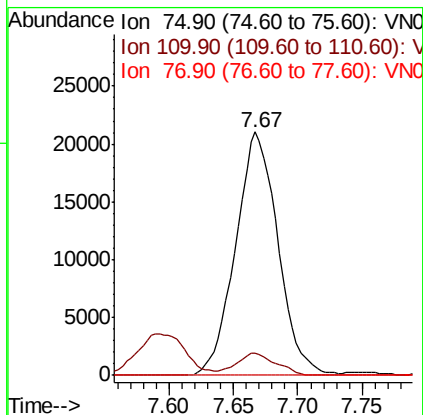
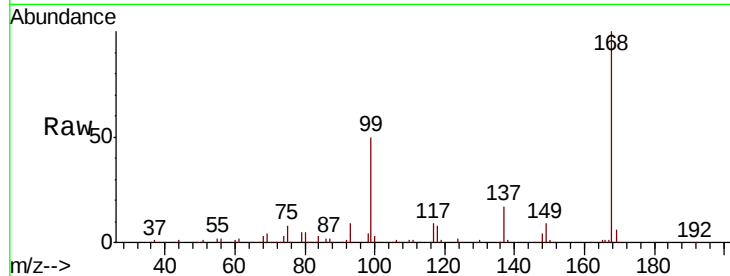




#36
 1,1-Dichloropropene
 Concen: 3.93 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050524.D
 Acq: 10 Aug 2018 17:51

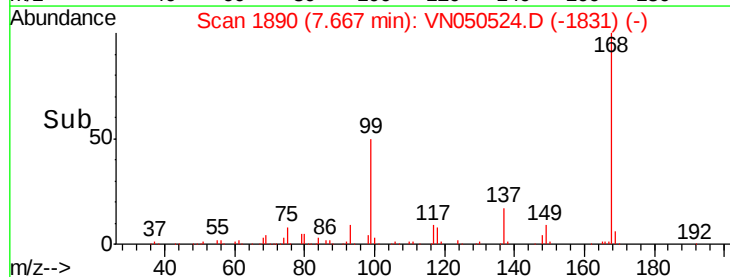
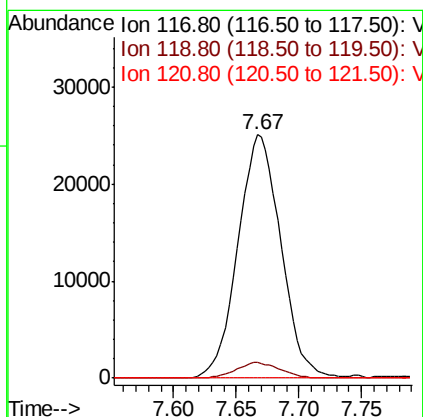
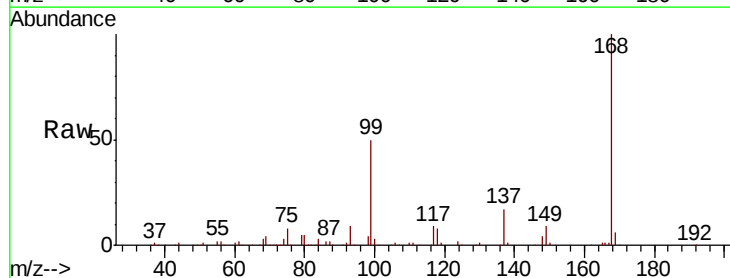
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#03

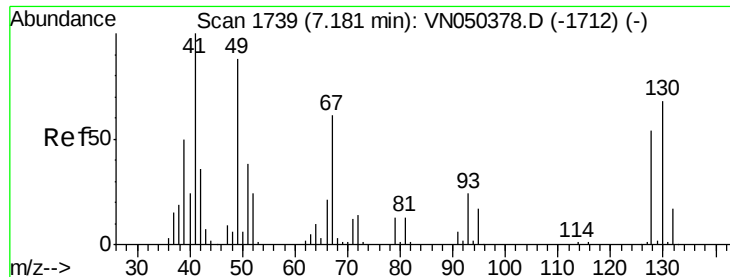
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.66 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050524.D
 Acq: 10 Aug 2018 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	77.4	116.0#
121	0.0	23.9	35.9#

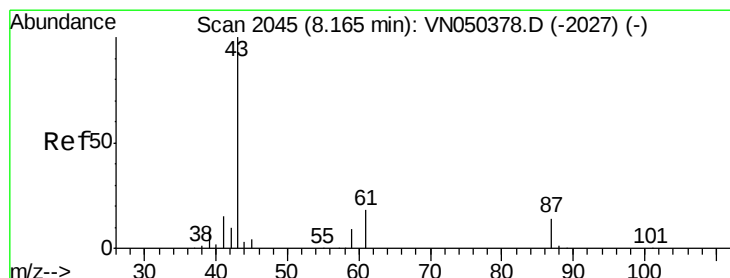
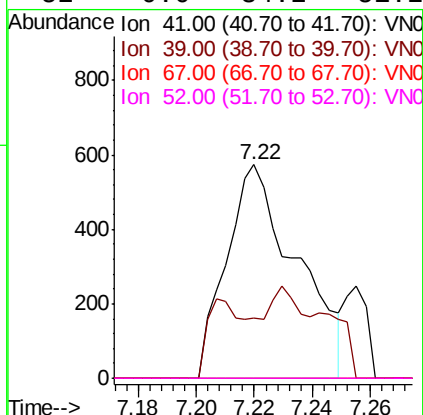
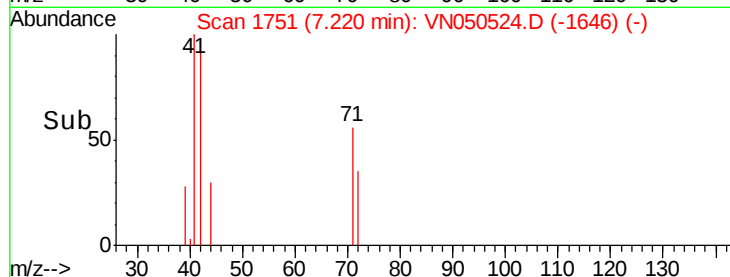
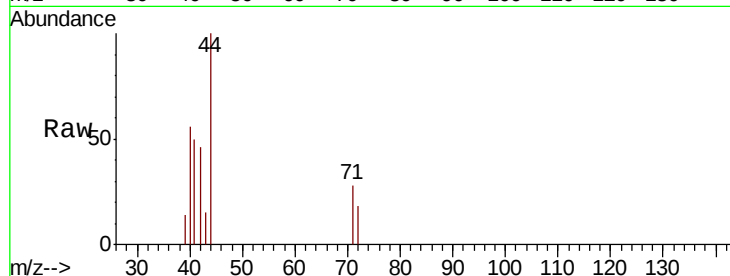




#41
Methacrylonitrile
Concen: 0.21 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.04 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

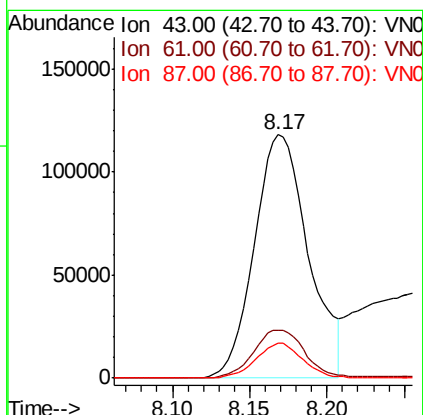
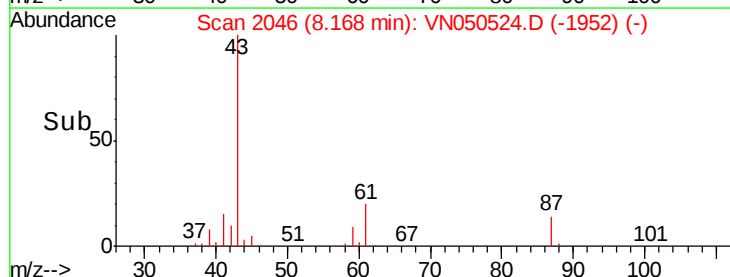
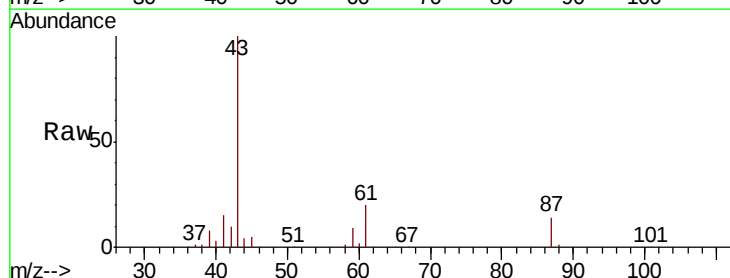
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#03

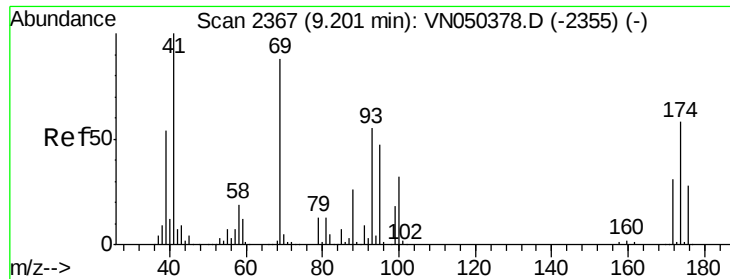
Tot Ion: 41 Resp: 963
Ion Ratio Lower Upper
41 100
39 7.4 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 18.91 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

Tgt Ion: 43 Resp: 287582
Ion Ratio Lower Upper
43 100
61 18.8 15.8 23.6
87 12.6 10.3 15.5

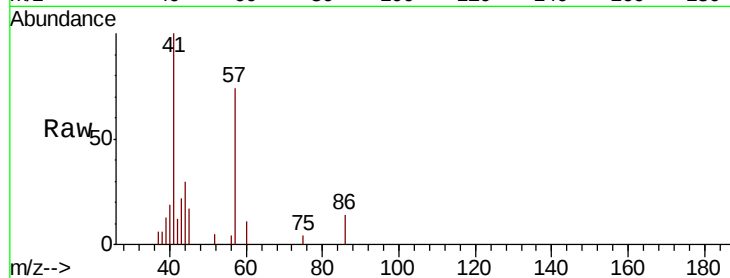




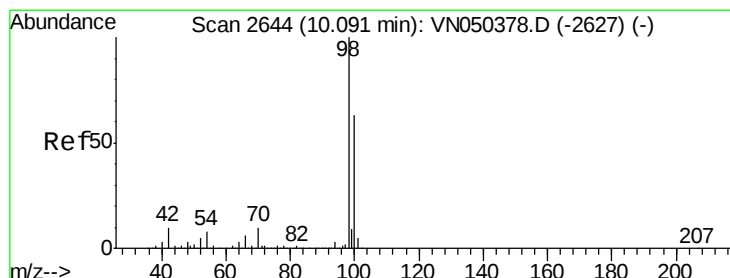
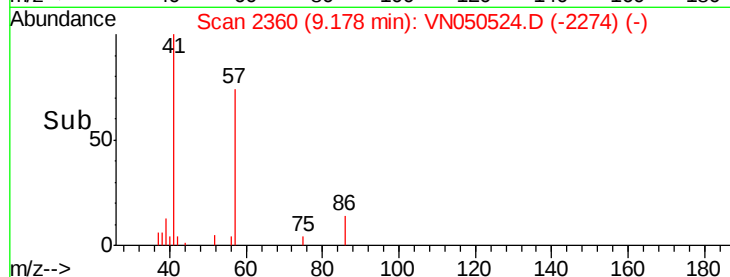
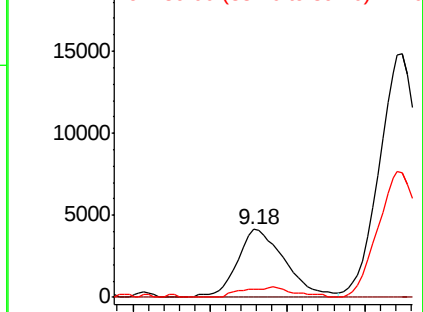
#48
Methvl methacrylate
Concen: 1.16 ug/l
RT: 9.18 min Scan# 2360
Delta R.T. -0.02 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#03

Tot Ion: 41 Resp: 8855
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 16.6 43.9 65.9#

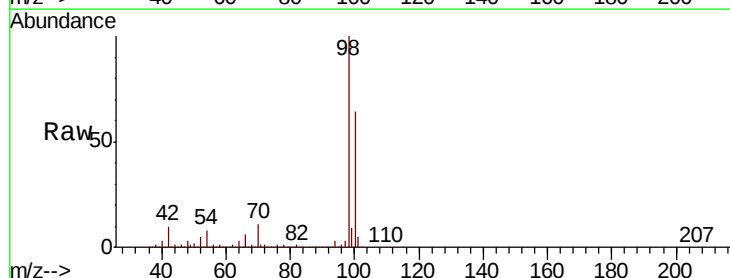


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

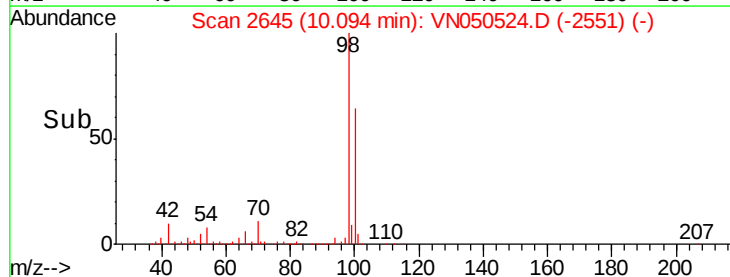
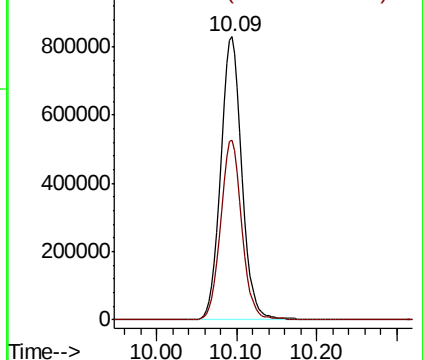


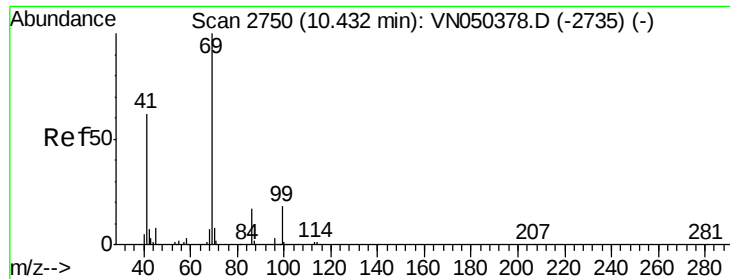
#50
Toluene-d8
Concen: 45.38 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

Tgt Ion: 98 Resp: 1524255
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



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





#56

Ethyl methacrylate

Concen: 1.76 ug/l

RT: 10.64 min Scan# 2815

Delta R.T. 0.21 min

Lab File: VN050524.D

Acq: 10 Aug 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#03

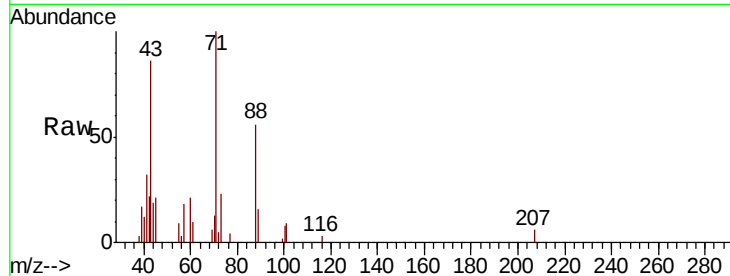
Tot Ion: 69 Resp: 649

Ion Ratio Lower Upper

69 100

41 790.1 51.0 76.4#

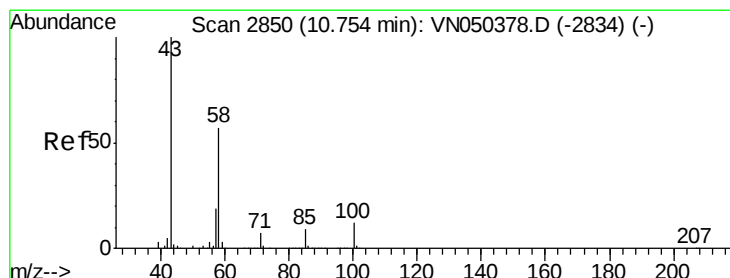
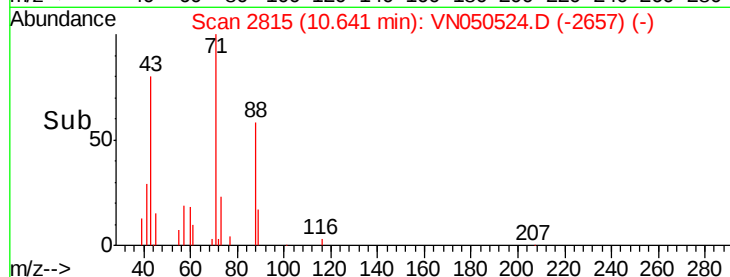
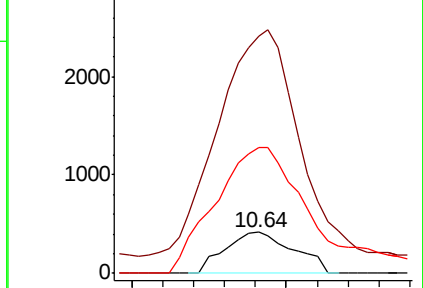
39 427.1 26.6 40.0#



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: 2.63 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050524.D

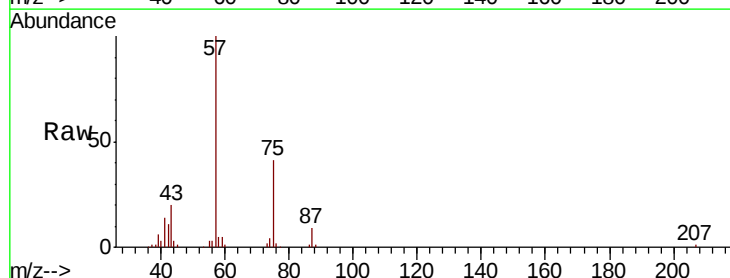
Acq: 10 Aug 2018 17:51

Tgt Ion: 43 Resp: 20077

Ion Ratio Lower Upper

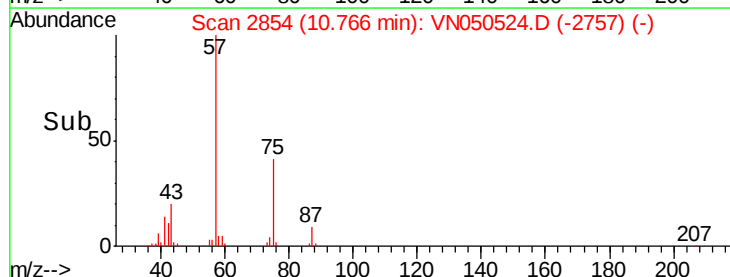
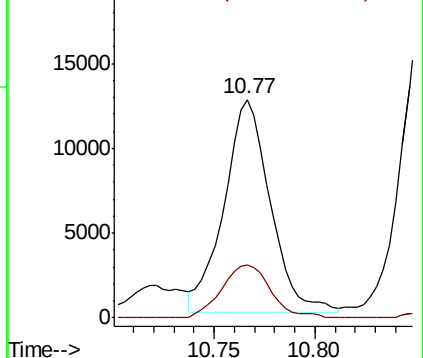
43 100

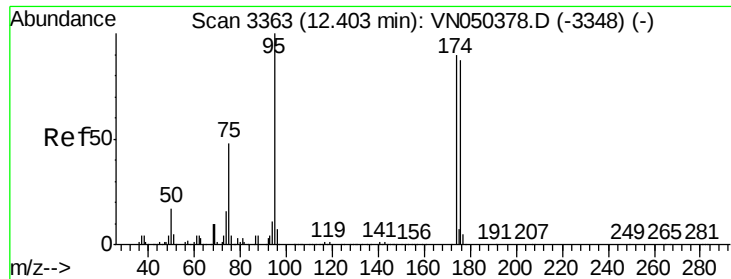
58 26.3 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

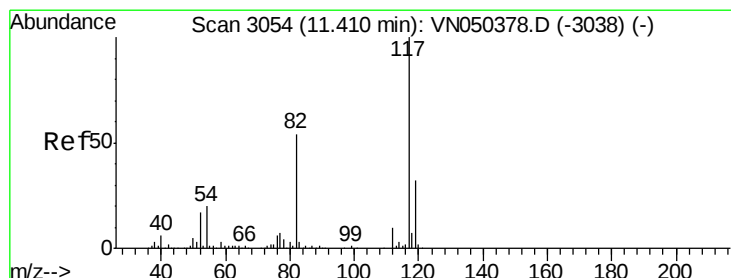
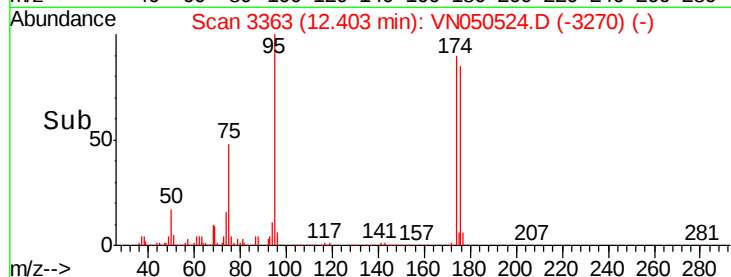
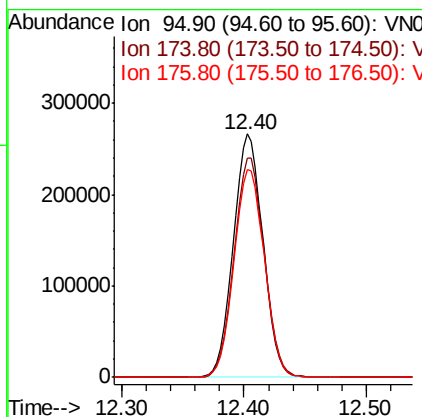
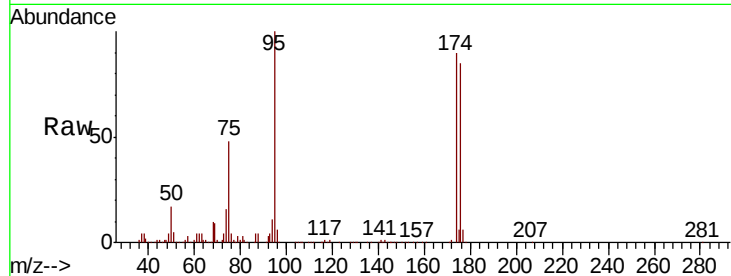




#62
4-Bromofluorobenzene
Concen: 39.17 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

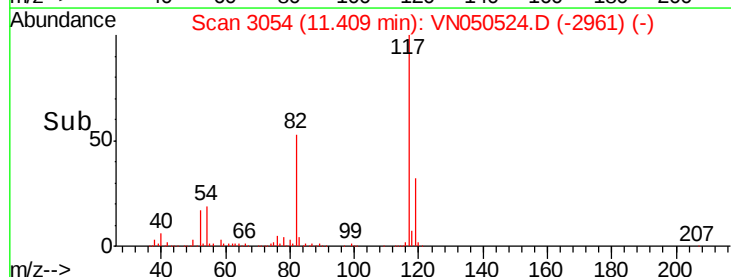
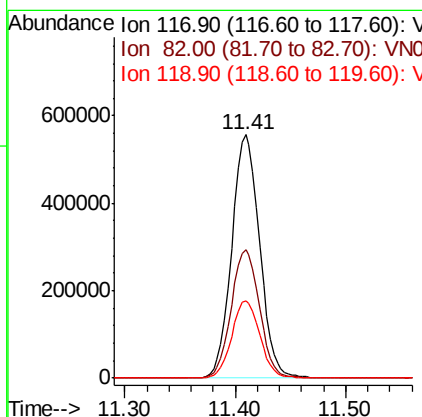
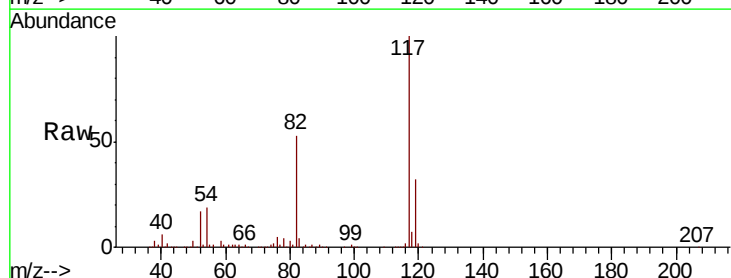
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#03

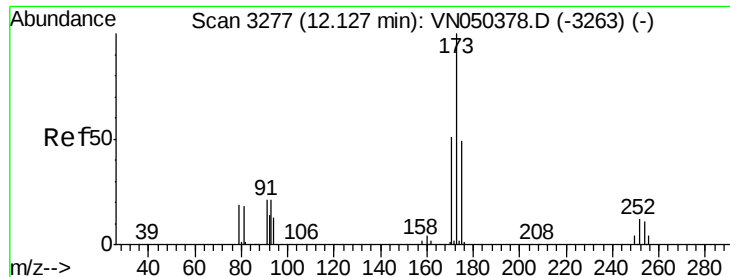
Tot Ion: 95 Resp: 448458
Ion Ratio Lower Upper
95 100
174 91.9 0.0 178.2
176 87.5 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

Tgt Ion: 117 Resp: 976891
Ion Ratio Lower Upper
117 100
82 52.9 43.7 65.5
119 32.0 26.1 39.1





#71

Bromoform

Concen: 0.33 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050524.D

Acq: 10 Aug 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#03

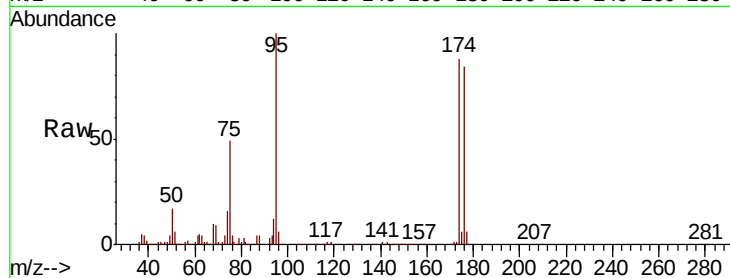
Tot Ion:173 Resp: 2154

Ion Ratio Lower Upper

173 100

175 1114.8 24.1 72.2#

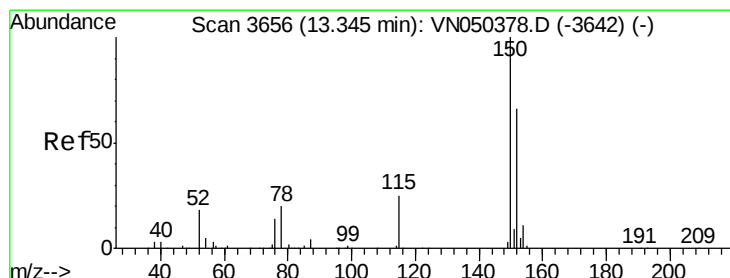
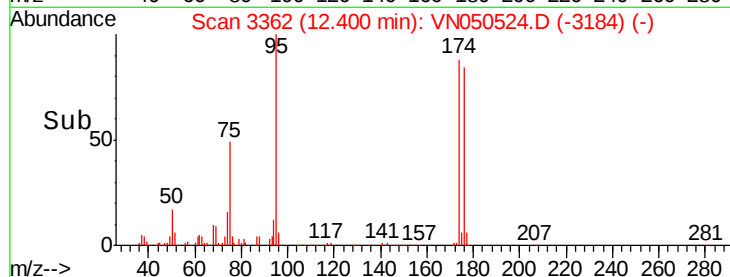
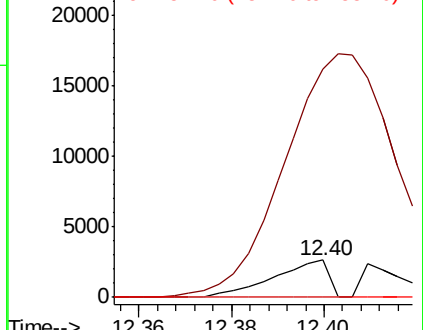
254 0.0 0.2 0.2#



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: VN050524.D

Acq: 10 Aug 2018 17:51

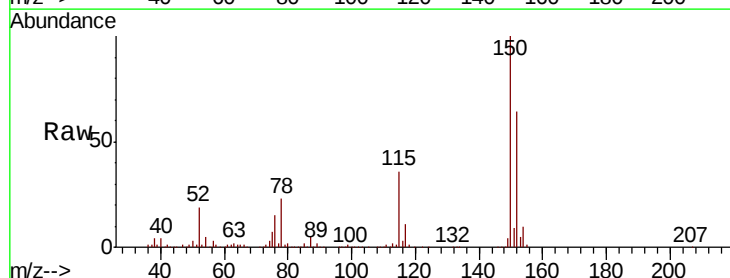
Tgt Ion:152 Resp: 390042

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

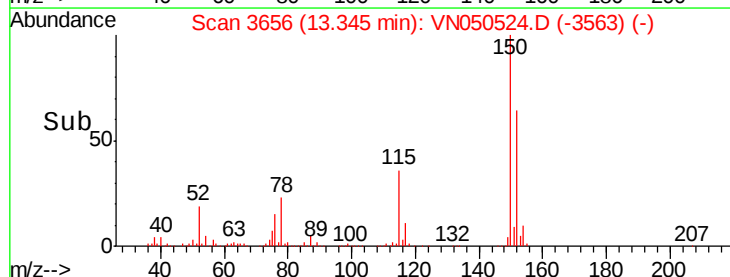
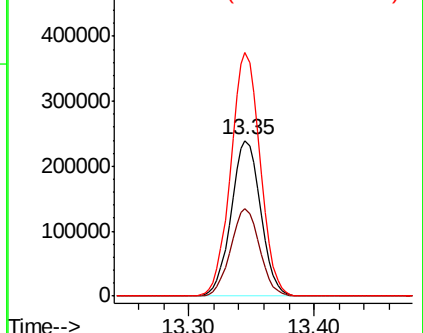
150 156.2 0.0 348.6

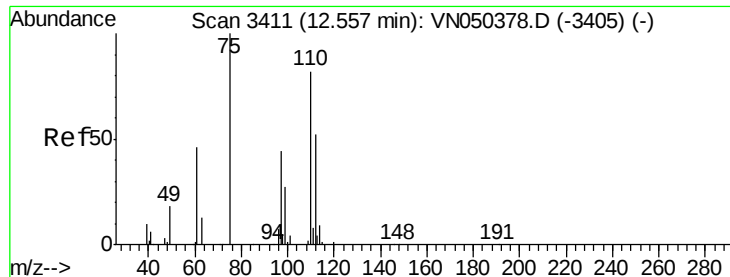


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050524.D

Acq: 10 Aug 2018 17:51

Instrument :

MSVOA_N

ClientSampleId :

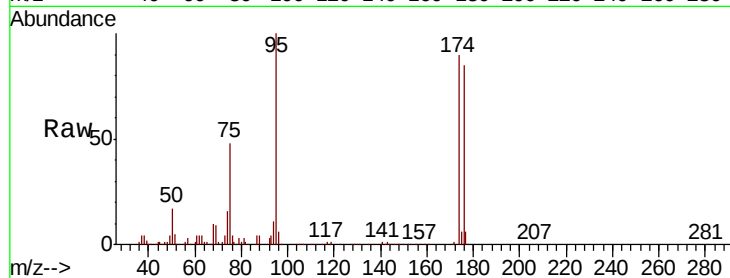
PB111921ZHE#03

Tot Ion: 75 Resp: 215895

Ion Ratio Lower Upper

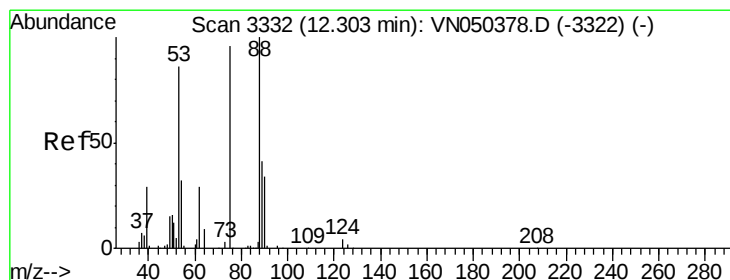
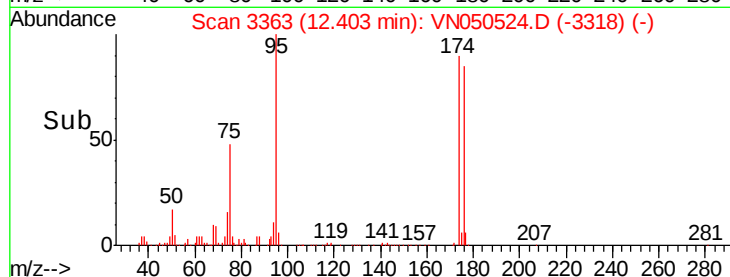
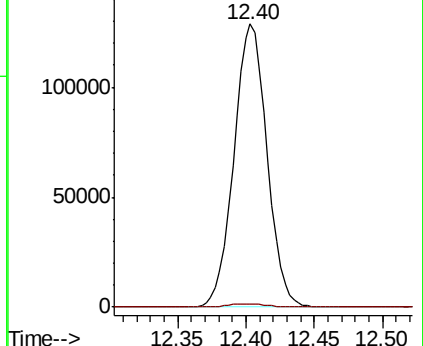
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 107.44 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050524.D

Acq: 10 Aug 2018 17:51

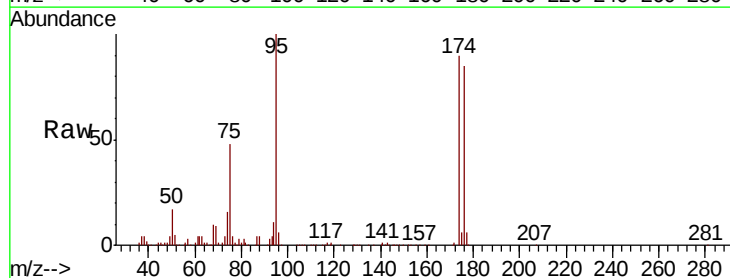
Tgt Ion: 75 Resp: 215895

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

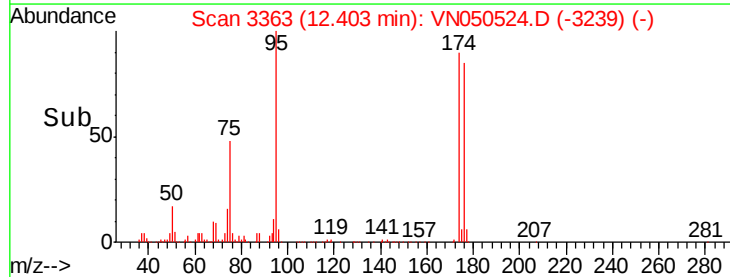
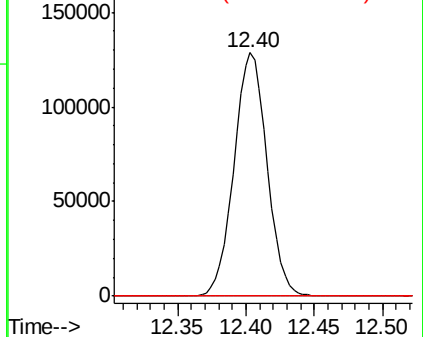
89 0.0 36.0 54.0#

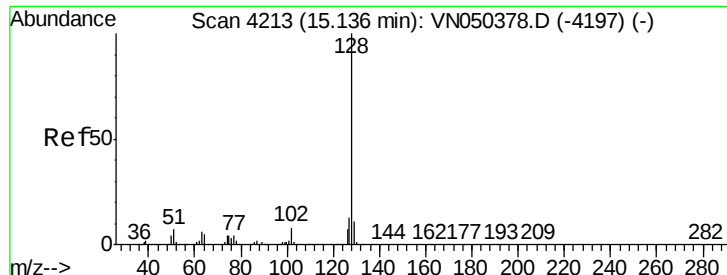


Abundance Ion 74.90 (74.60 to 75.60): VN0

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# 4214
Delta R.T. 0.00 min
Lab File: VN050524.D
Acq: 10 Aug 2018 17:51

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#03

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

