

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050517.D
 Acq On : 10 Aug 2018 14:57
 Operator : MD\SY
 Sample : J4397-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Aug 10 23:16:24 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	743941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1149542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	984901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	389757	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	487709	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
35) Dibromofluoromethane	7.59	113	451714	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	10.09	98	1594585	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
62) 4-Bromofluorobenzene	12.40	95	457181	38.68	ug/l	0.00
Spiked Amount			Recovery	=	77.36%	

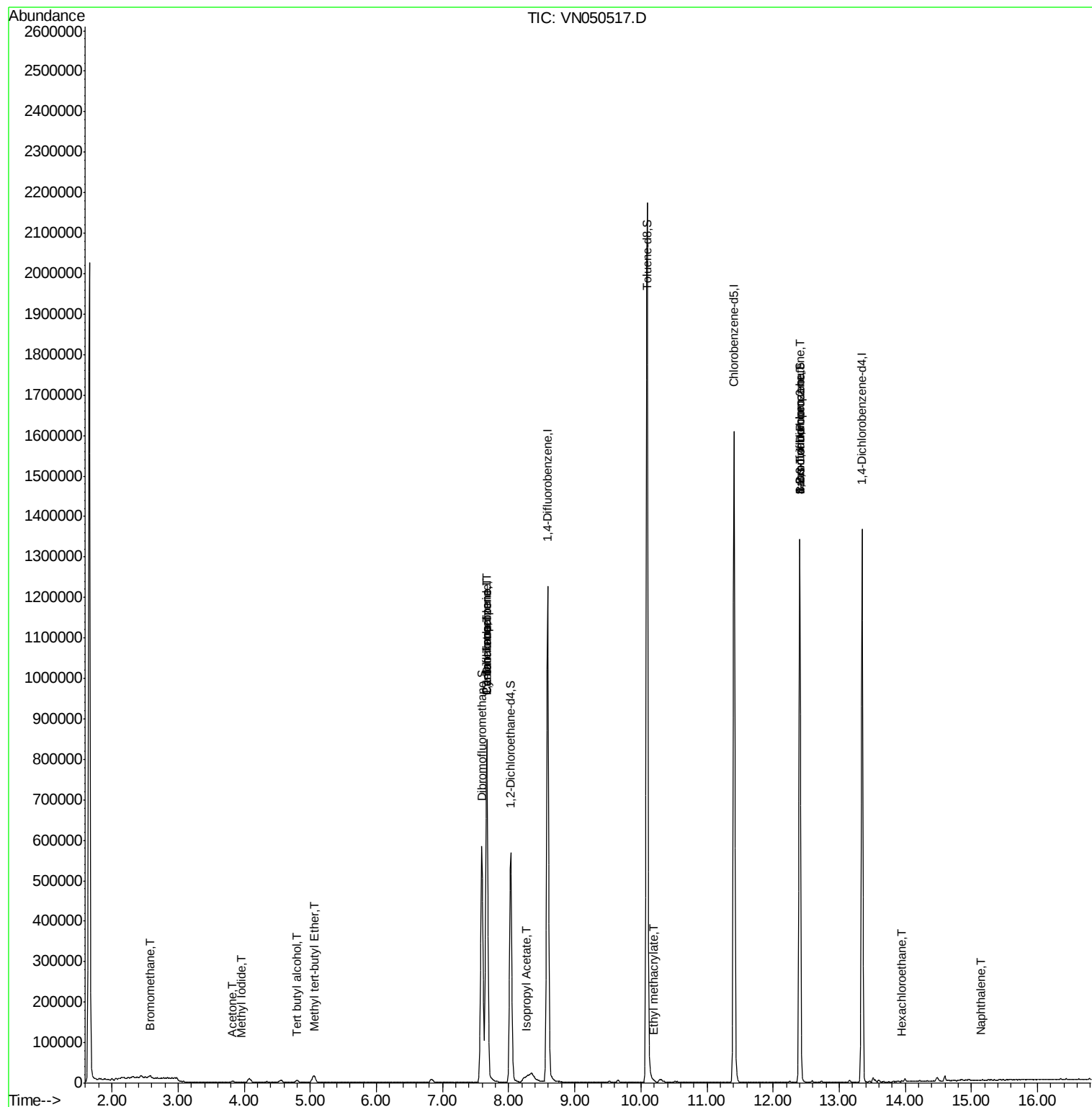
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2902	Below Cal	#	86
5) Bromomethane	2.57	94	4478	1.03	ug/l	95
10) Methyl Iodide	3.96	142	1279	0.34	ug/l	# 47
11) Tert butyl alcohol	4.79	59	8567	10.73	ug/l	# 82
16) Acetone	3.83	43	5492	1.50	ug/l	# 82
19) Methyl tert-butyl Ether	5.06	73	27839	1.22	ug/l	100
20) Methylene Chloride	4.55	84	3581	Below Cal	#	86
31) Cyclohexane	7.67	56	13125	0.30	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	50985	4.04	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	64710	4.91	ug/l	# 17
43) Isopropyl Acetate	8.26	43	14501	0.92	ug/l	# 61
56) Ethyl methacrylate	10.20	69	30	1.71	ug/l	# 1
71) Bromoform	12.40	173	3668	0.56	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	219888	31.17	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	219888	109.51	ug/l	# 13
90) Hexachloroethane	13.94	117	1281	0.30	ug/l	# 4
95) Naphthalene	15.14	128	875	3.66	ug/l	# 69

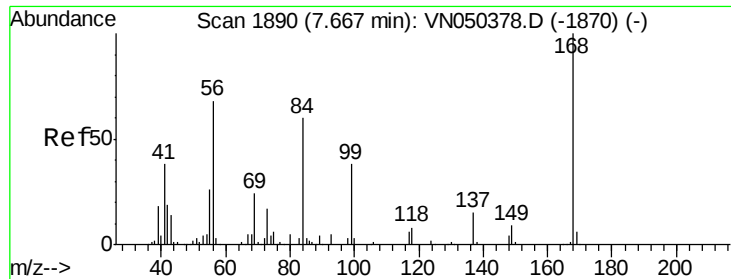
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081018\
Data File : VN050517.D
Acq On : 10 Aug 2018 14:57
Operator : MD\SY
Sample : J4397-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-6

Quant Time: Aug 10 23:16:24 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# 1891

Delta R.T. 0.00 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampled :

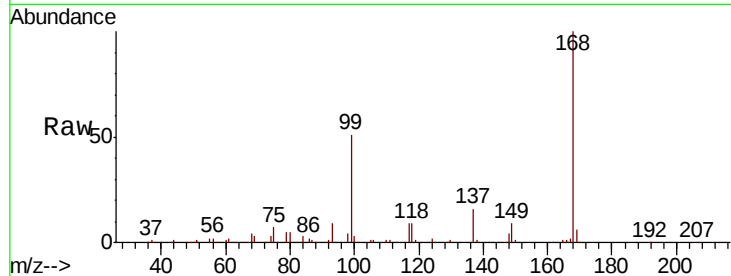
MW-6

Tot Ion:168 Resp: 743941

Ion Ratio Lower Upper

168 100

99 50.9 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

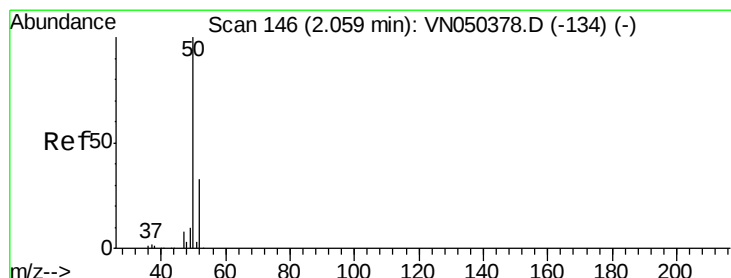
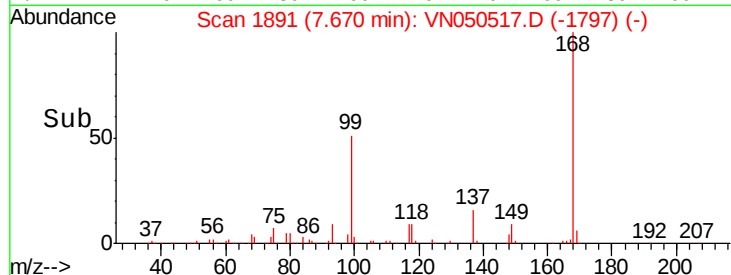
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050517.D

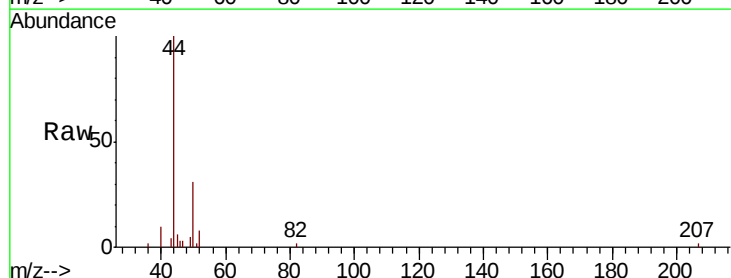
Acq: 10 Aug 2018 14:57

Tgt Ion: 50 Resp: 2902

Ion Ratio Lower Upper

50 100

52 24.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2500

2000

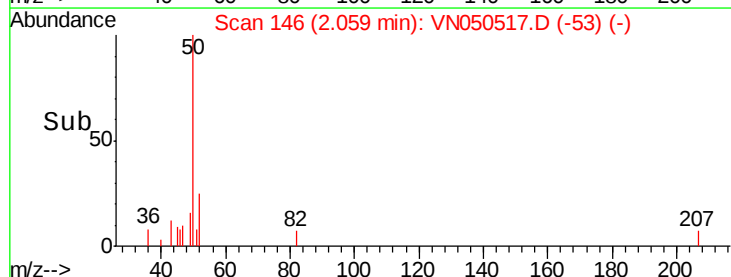
1500

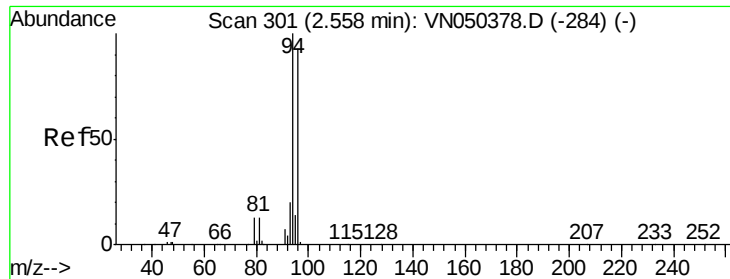
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.03 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampled :

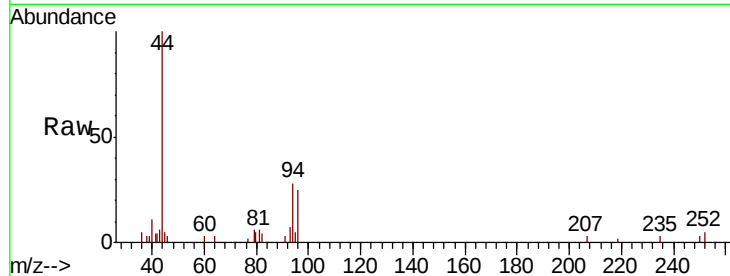
MW-6

Tot Ion: 94 Resp: 4478

Ion Ratio Lower Upper

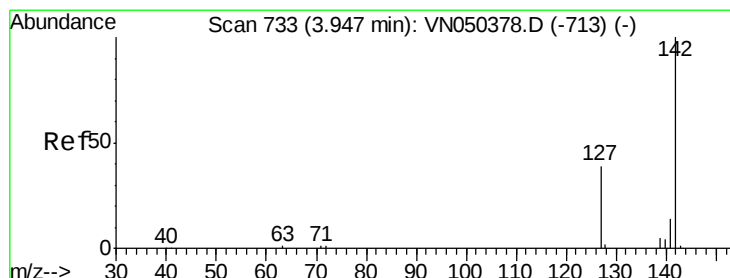
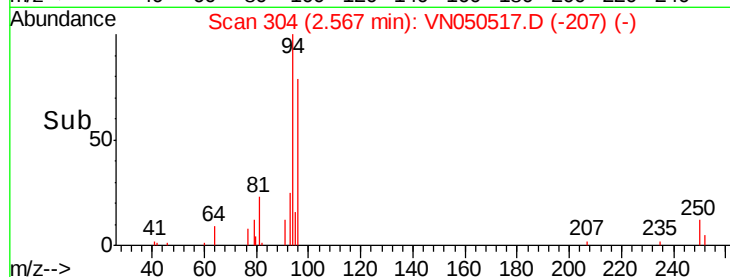
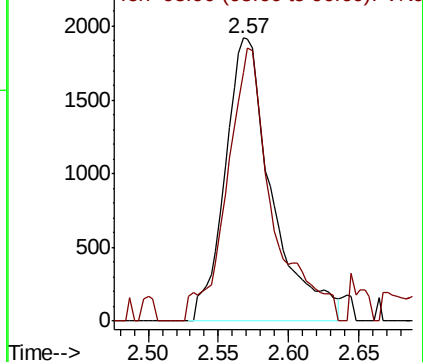
94 100

96 88.1 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: 0.34 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

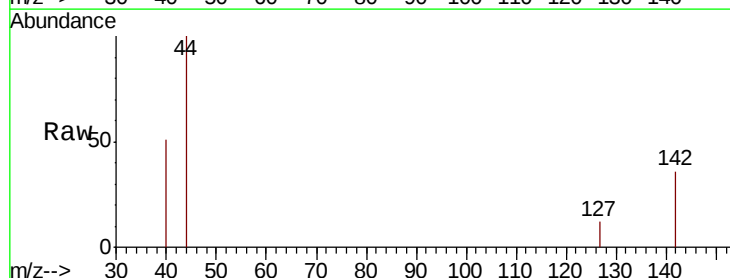
Tgt Ion: 142 Resp: 1279

Ion Ratio Lower Upper

142 100

127 4.7 33.4 50.2#

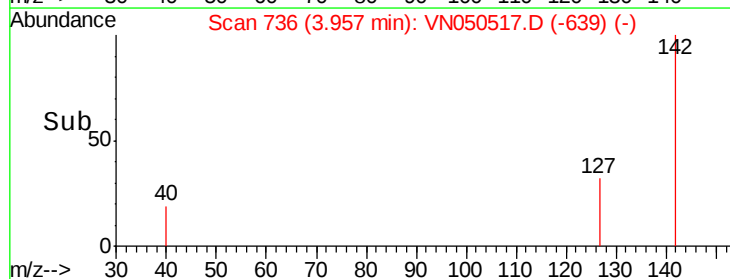
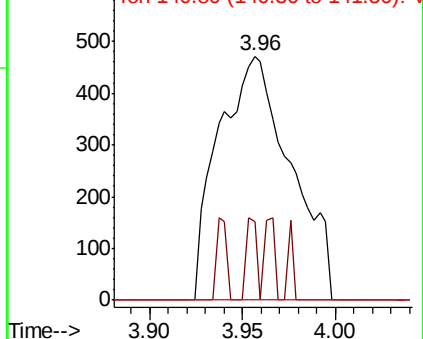
141 0.0 11.6 17.4#

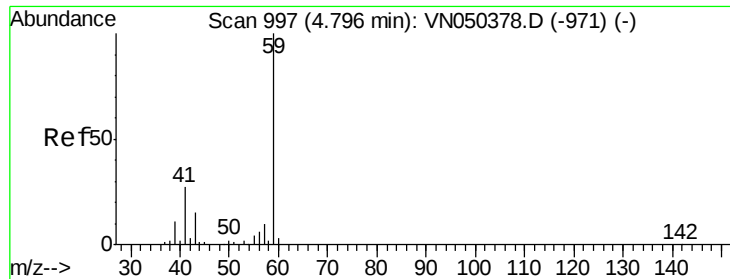


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

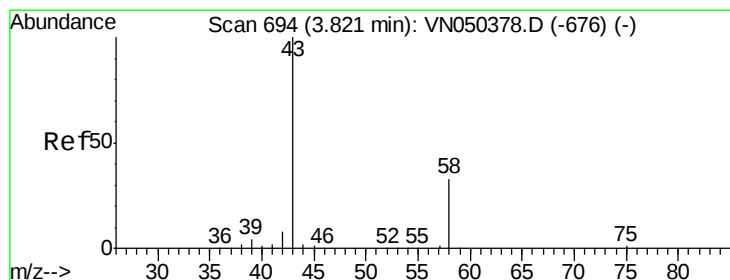
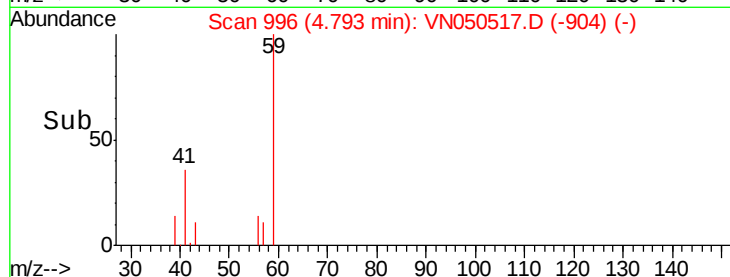
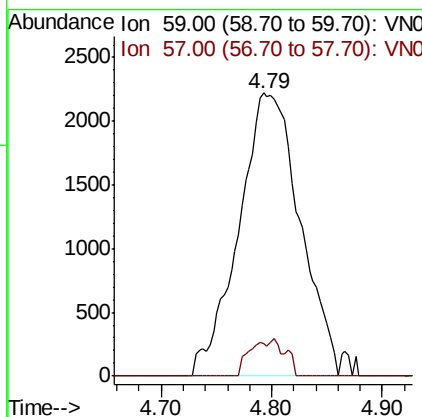
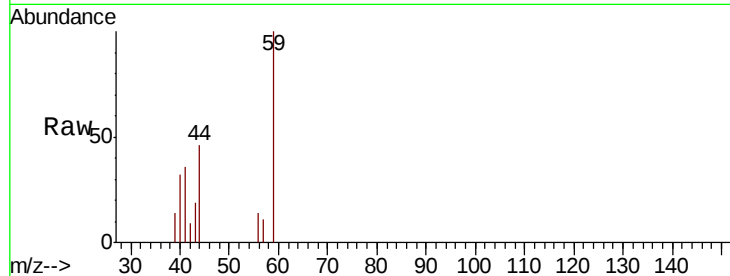




#11
Tert butyl alcohol
Concen: 10.73 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050517.D
Acq: 10 Aug 2018 14:57

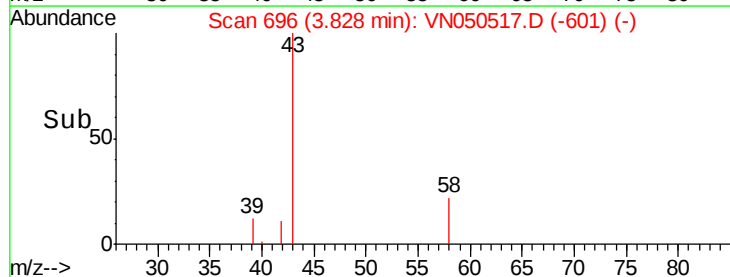
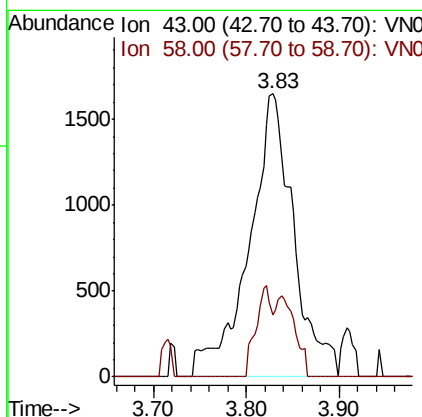
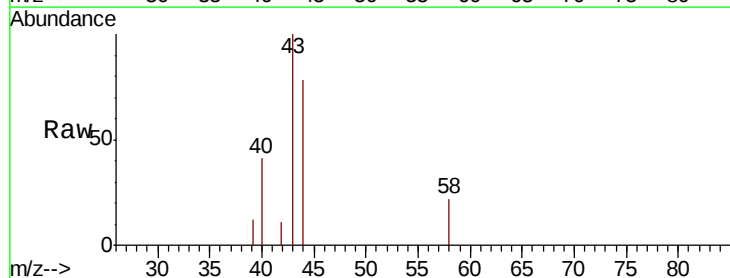
Instrument :
MSVOA_N
ClientSampled :
MW-6

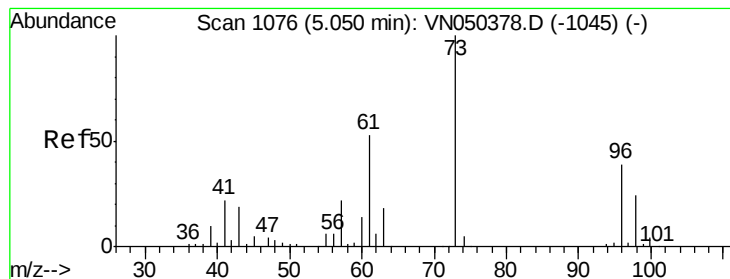
Tot Ion: 59 Resp: 8567
Ion Ratio Lower Upper
59 100
57 3.9 8.5 12.7#



#16
Acetone
Concen: 1.50 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN050517.D
Acq: 10 Aug 2018 14:57

Tgt Ion: 43 Resp: 5492
Ion Ratio Lower Upper
43 100
58 22.0 25.8 38.8#





#19

Methyl tert-butyl Ether

Concen: 1.22 ug/l

RT: 5.06 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampled :

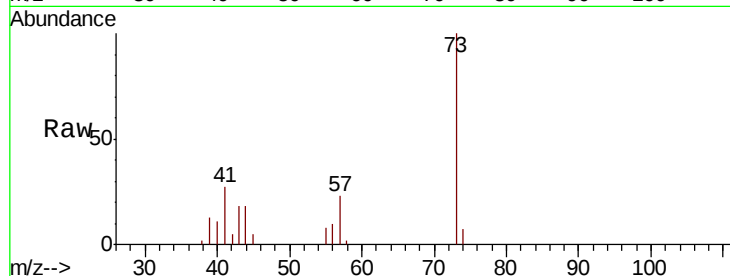
MW-6

Tot Ion: 73 Resp: 27839

Ion Ratio Lower Upper

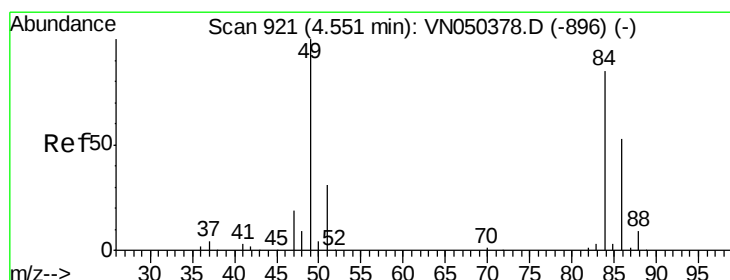
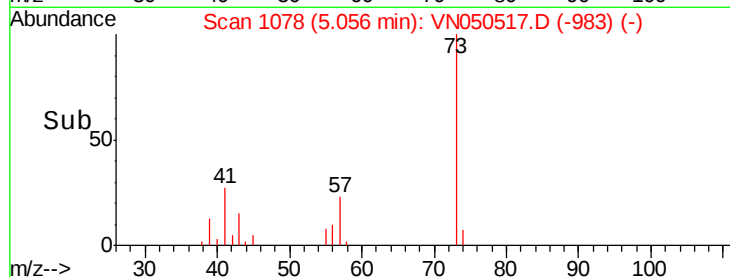
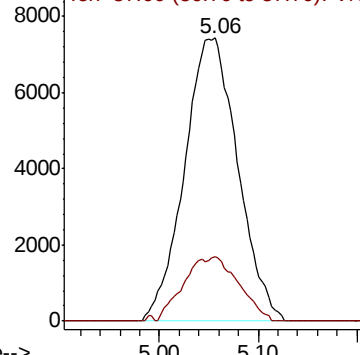
73 100

57 22.7 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

Tgt Ion: 84 Resp: 3581

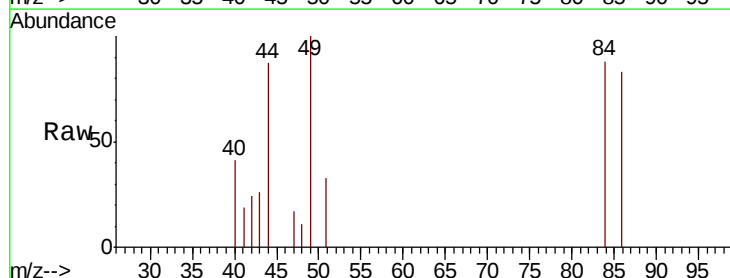
Ion Ratio Lower Upper

84 100

49 113.7 94.8 142.2

51 37.6 28.3 42.5

86 94.1 51.0 76.6#

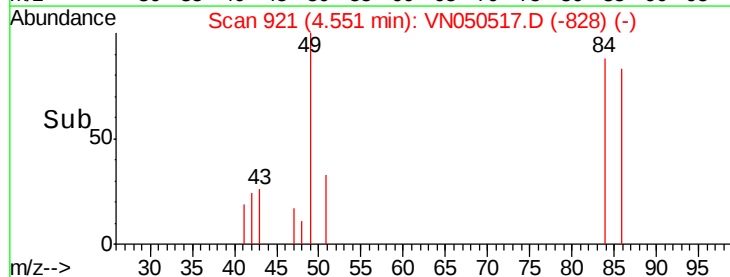
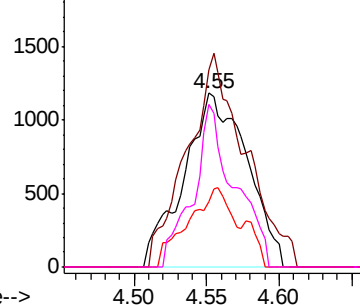


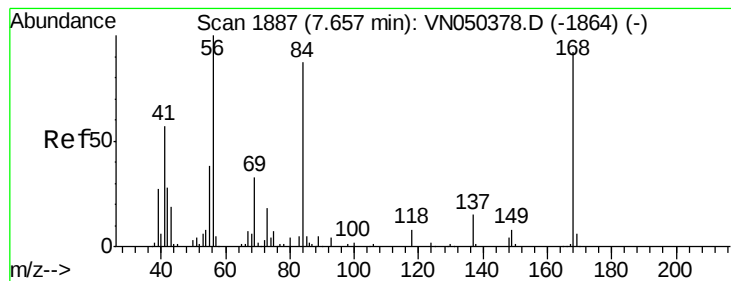
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#31

Cyclohexane

Concen: 0.30 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampled :

MW-6

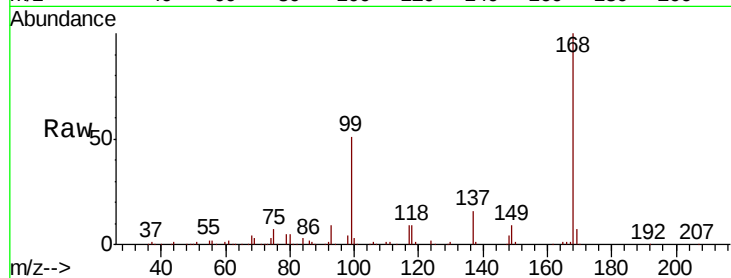
Tot Ion: 56 Resp: 13125

Ion Ratio Lower Upper

56 100

69 197.6 26.2 39.4#

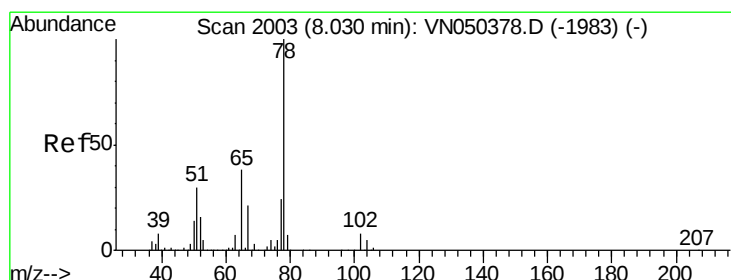
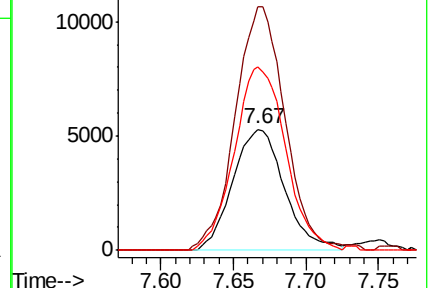
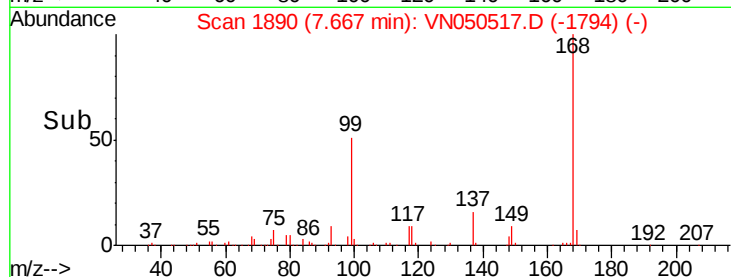
84 151.2 67.4 101.0#



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: 49.07 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050517.D

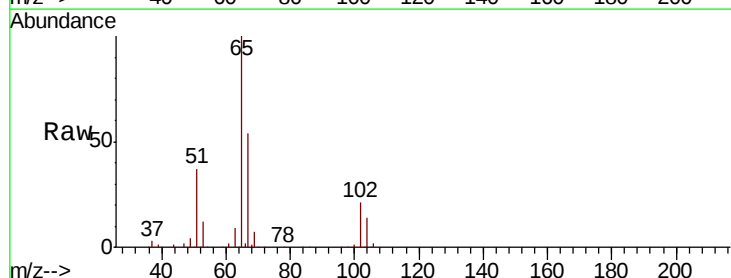
Acq: 10 Aug 2018 14:57

Tgt Ion: 65 Resp: 487709

Ion Ratio Lower Upper

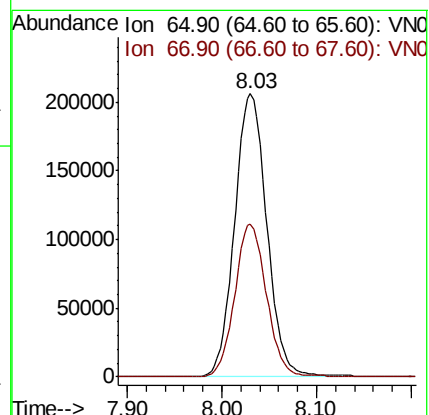
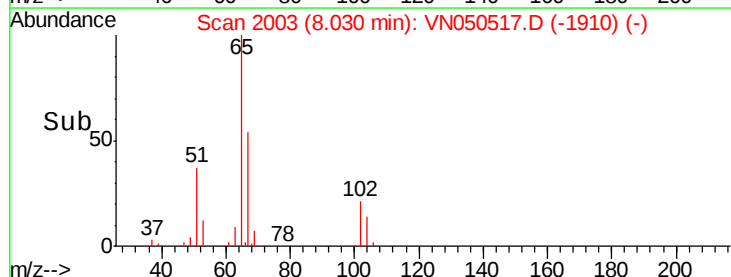
65 100

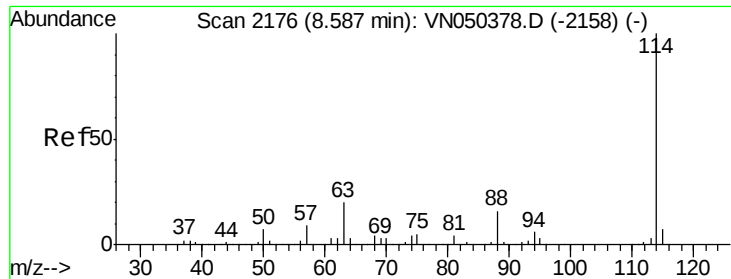
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



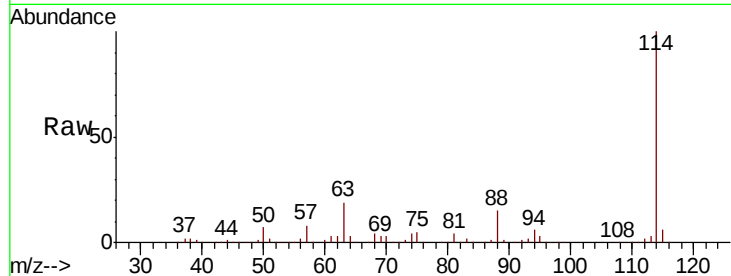


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050517.D
 Acq: 10 Aug 2018 14:57

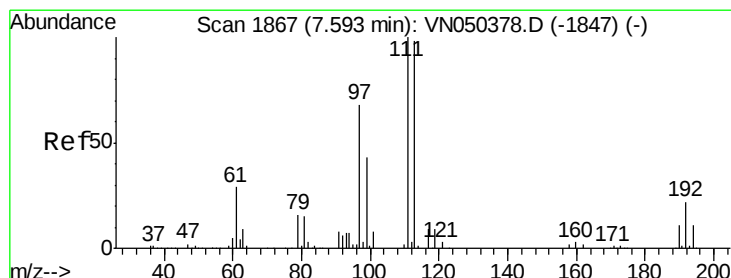
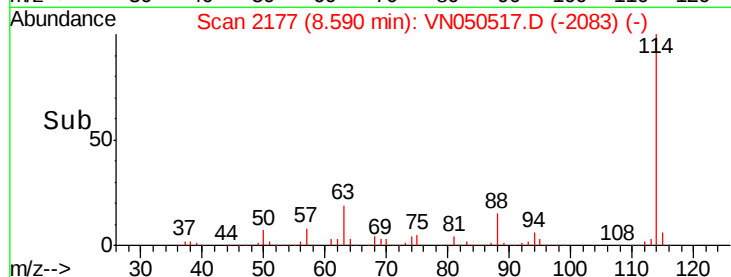
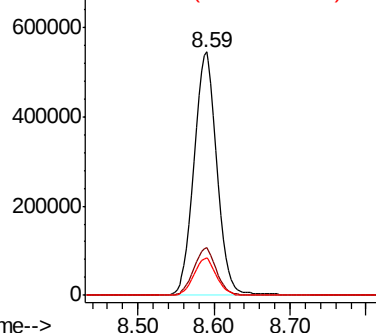
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Tot Ion:114 Resp: 1149542

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	15.4	0.0	31.2



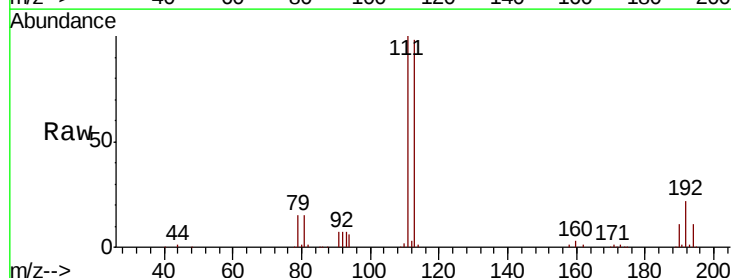
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO



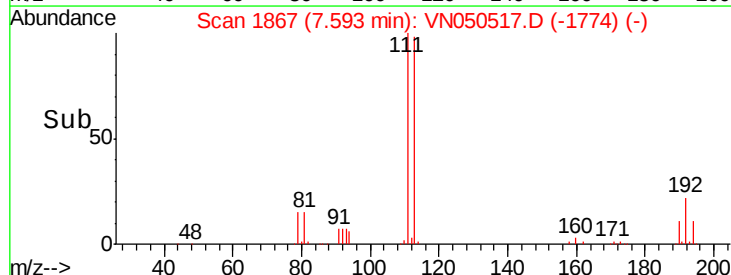
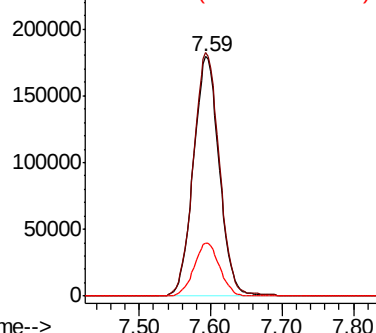
#35
 Dibromofluoromethane
 Concen: 48.97 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050517.D
 Acq: 10 Aug 2018 14:57

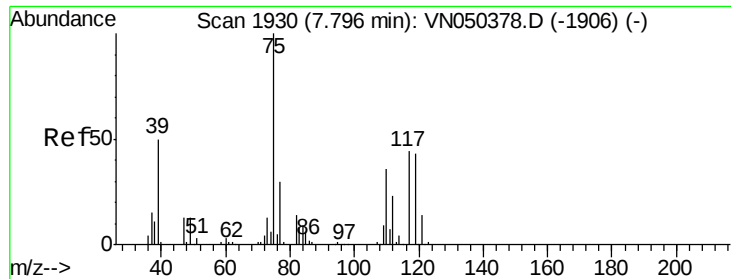
Tgt Ion:113 Resp: 451714

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.7	121.1
192	21.9	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

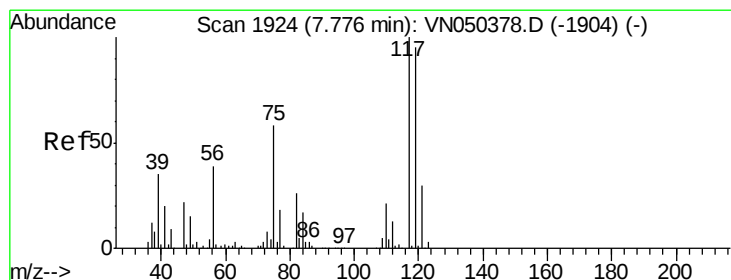
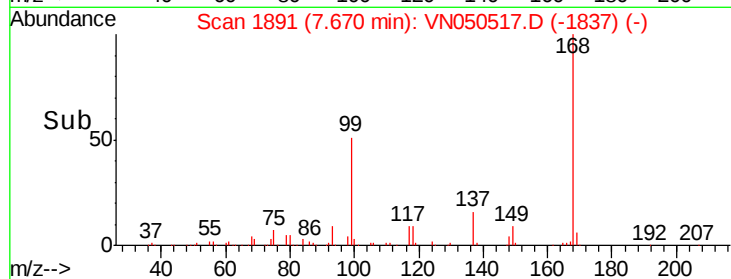
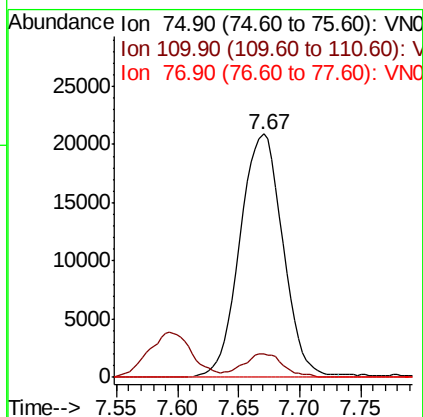
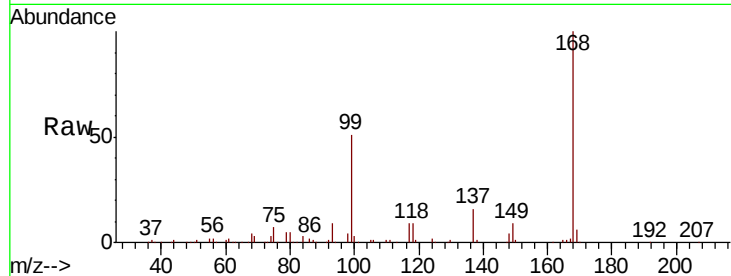




#36
 1,1-Dichloropropene
 Concen: 4.04 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050517.D
 Acq: 10 Aug 2018 14:57

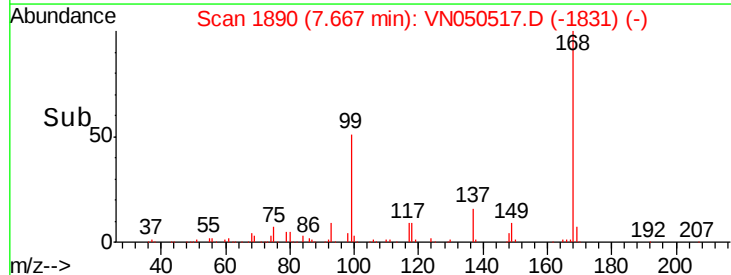
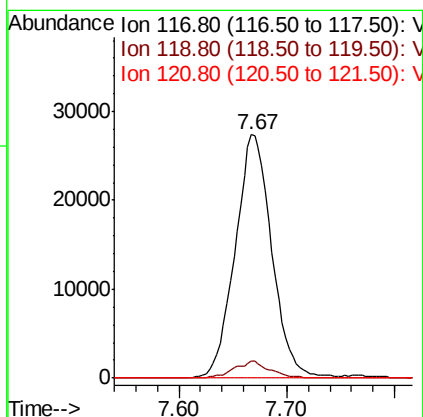
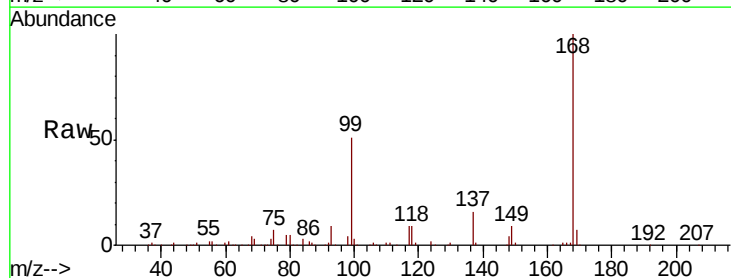
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

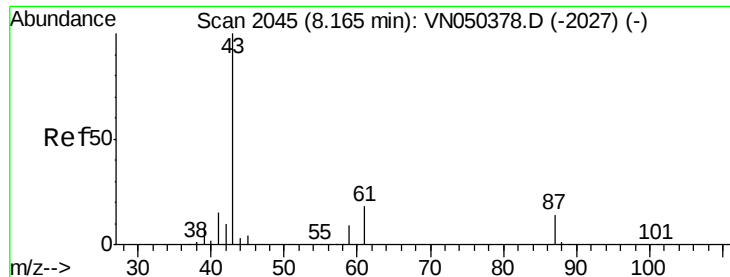
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.91 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050517.D
 Acq: 10 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 0.92 ug/l

RT: 8.26 min Scan# 2074

Delta R.T. 0.09 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

MW-6

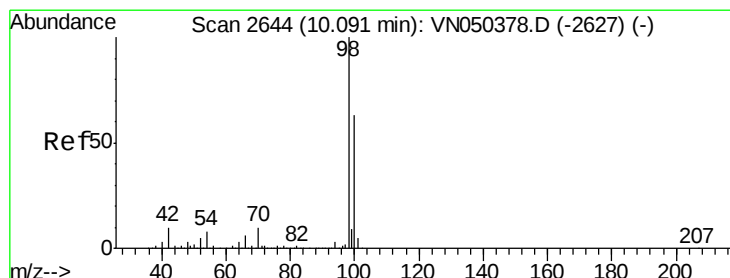
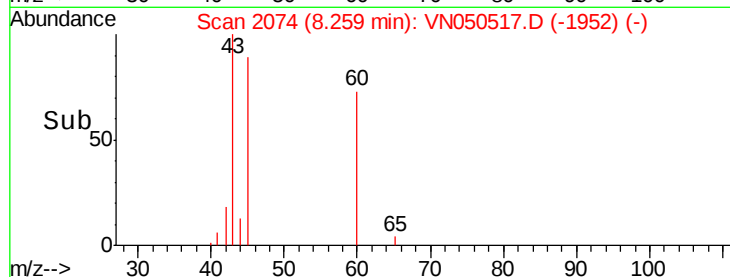
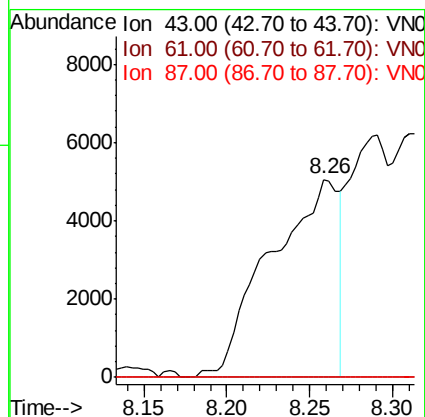
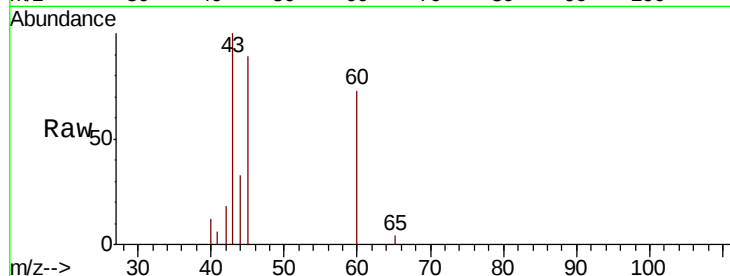
Tot Ion: 43 Resp: 14501

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.98 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050517.D

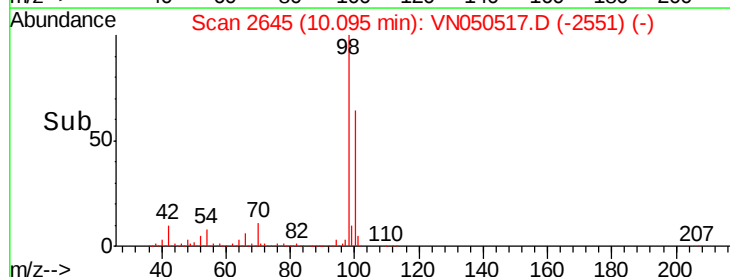
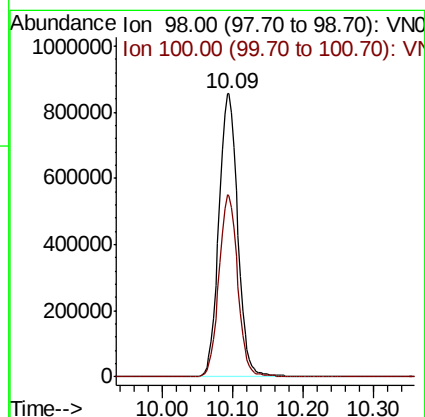
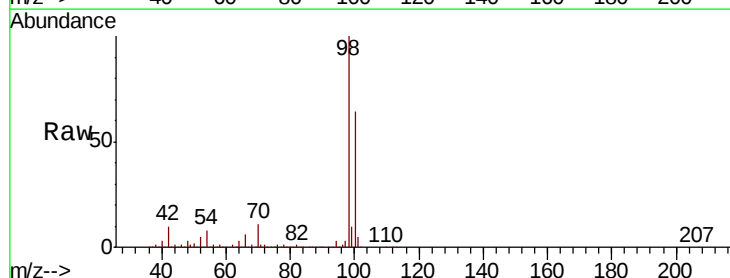
Acq: 10 Aug 2018 14:57

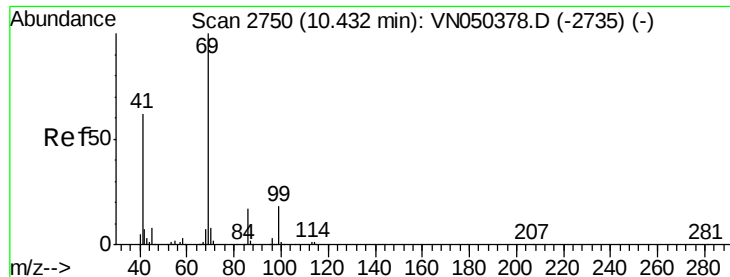
Tgt Ion: 98 Resp: 1594585

Ion Ratio Lower Upper

98 100

100 63.9 50.7 76.1





#56

Ethyl methacrylate

Concen: 1.71 ug/l

RT: 10.20 min Scan# 2679

Delta R.T. -0.23 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampled :

MW-6

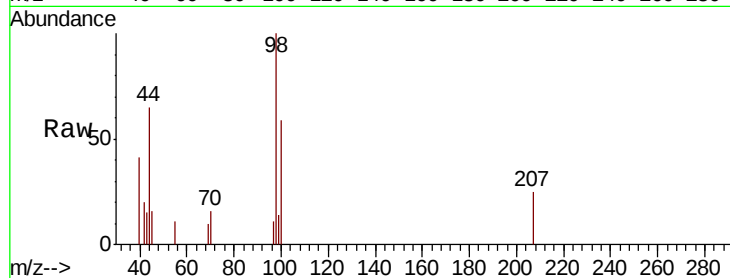
Tot Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 313.3 51.0 76.4#

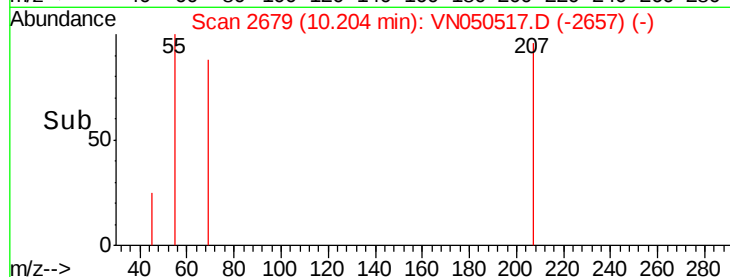
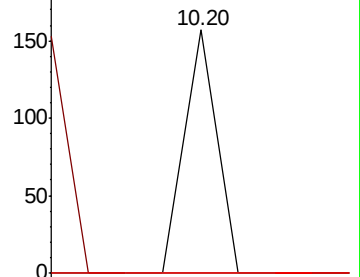
39 0.0 26.6 40.0#



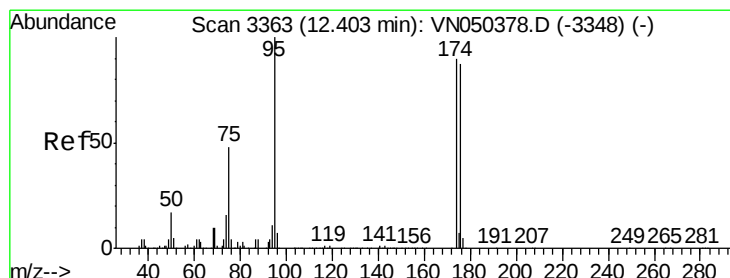
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 38.68 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

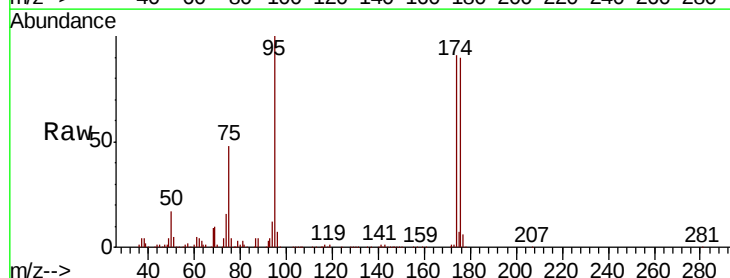
Tgt Ion: 95 Resp: 457181

Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

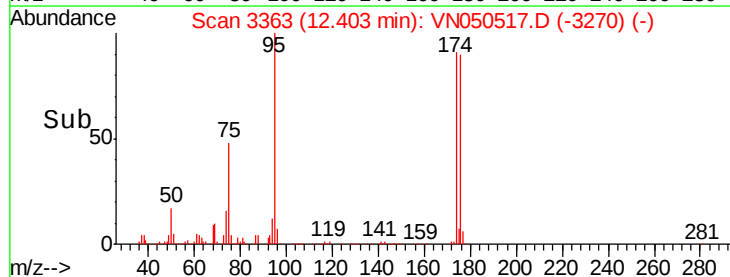
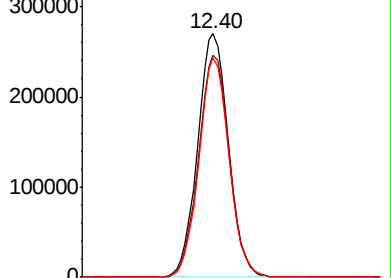
176 88.4 0.0 173.4

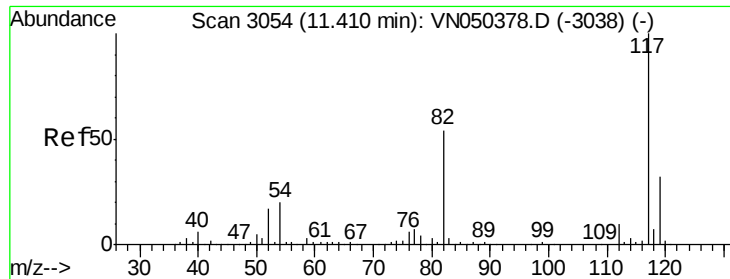


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

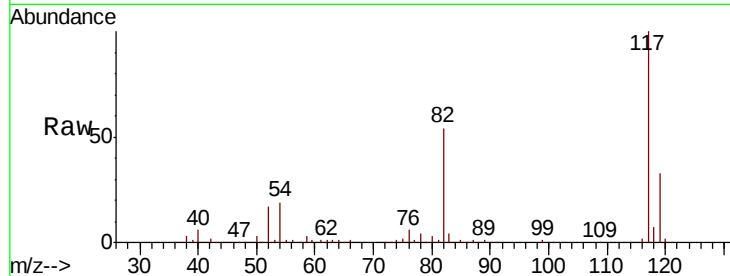




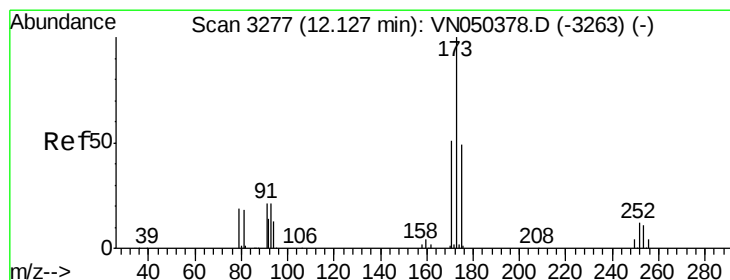
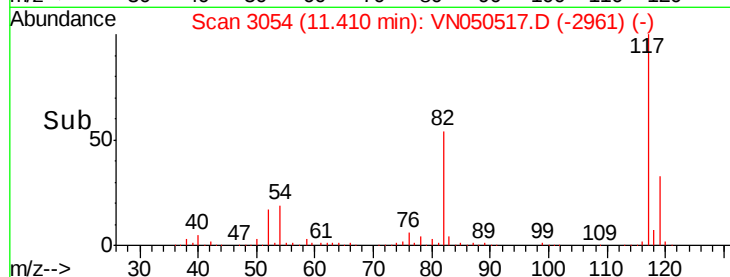
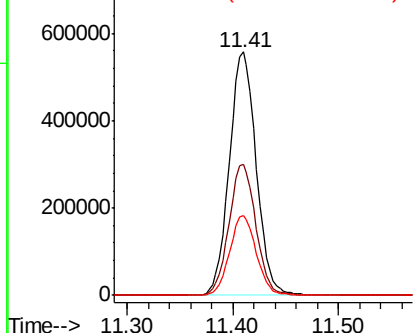
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050517.D
Acq: 10 Aug 2018 14:57

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion:117 Resp: 984901
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 33.0 26.1 39.1

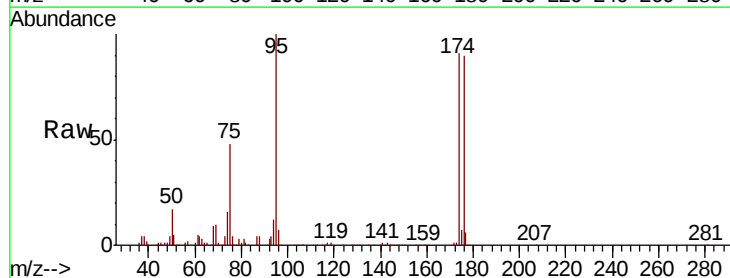


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

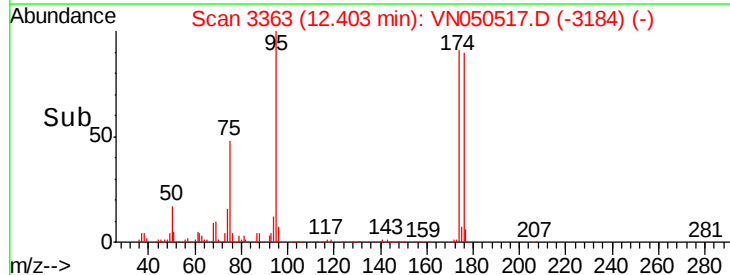
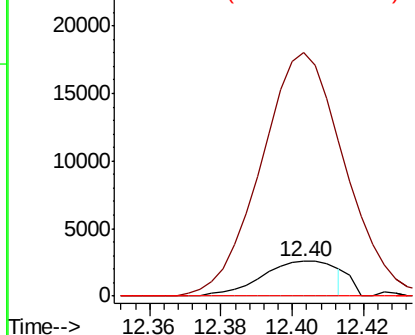


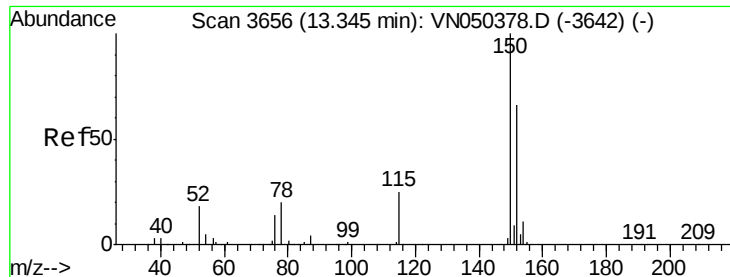
#71
Bromoform
Concen: 0.56 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050517.D
Acq: 10 Aug 2018 14:57

Tgt Ion:173 Resp: 3668
Ion Ratio Lower Upper
173 100
175 676.2 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: VN050517.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

MW-6

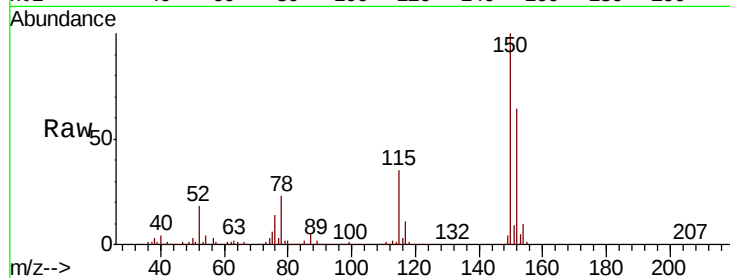
Tot Ion:152 Resp: 389757

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.3

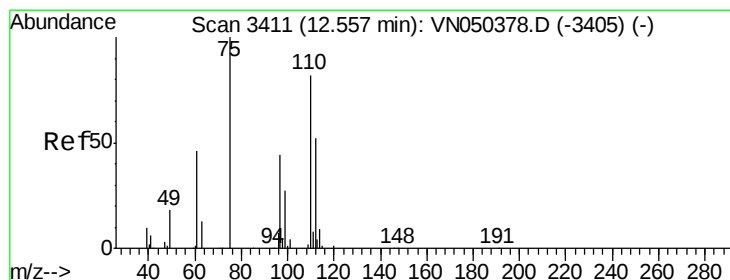
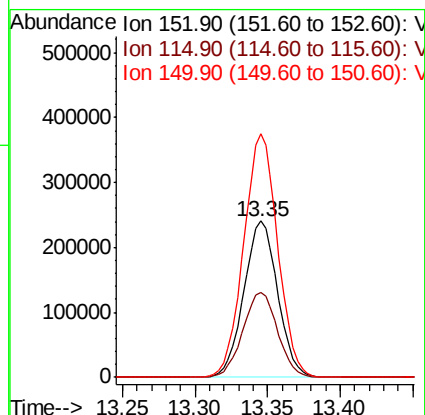
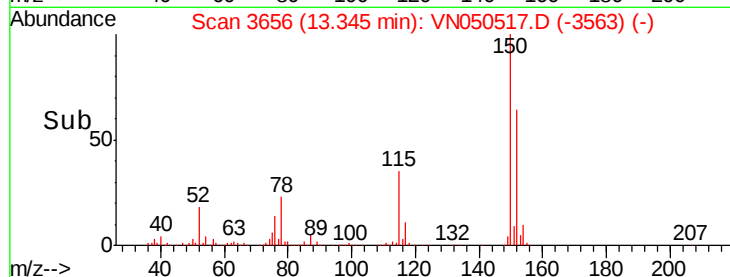
150 156.2 0.0 348.6



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: 31.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050517.D

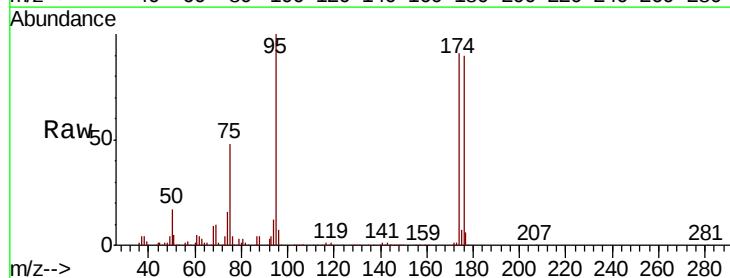
Acq: 10 Aug 2018 14:57

Tgt Ion: 75 Resp: 219888

Ion Ratio Lower Upper

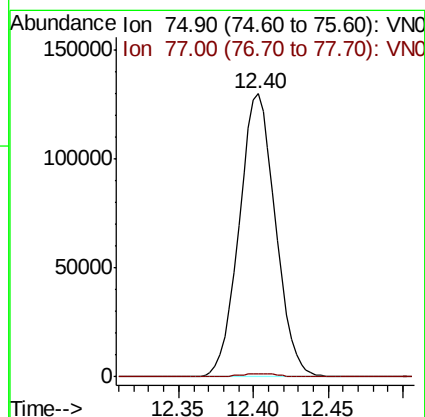
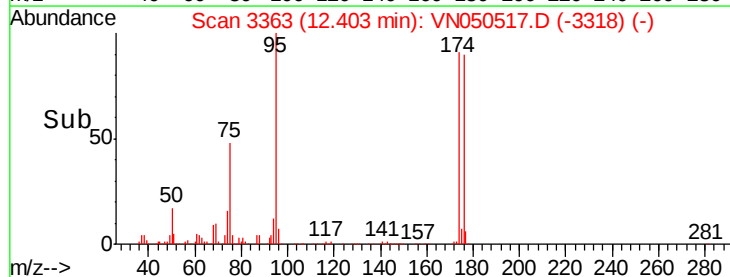
75 100

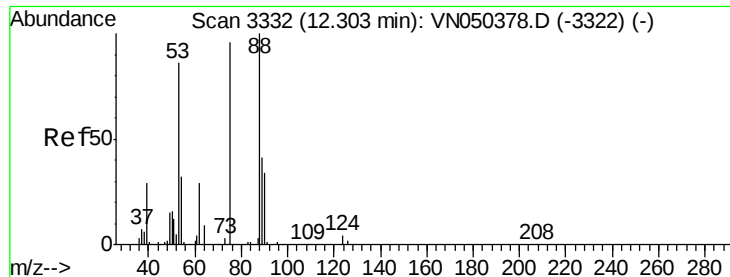
77 1.1 0.0 0.0#



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: 109.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050517.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

MW-6

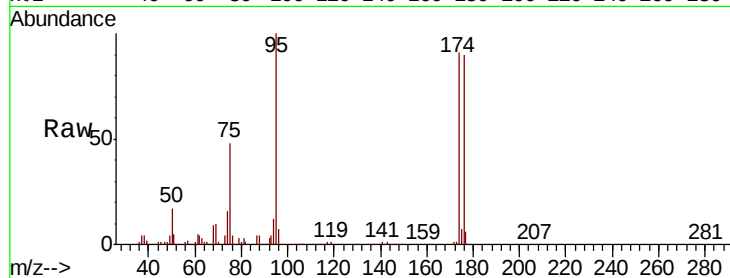
Tot Ion: 75 Resp: 219888

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

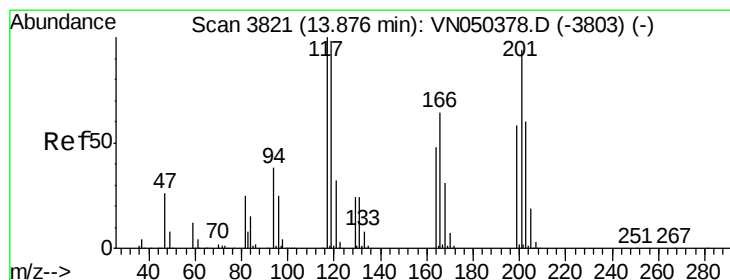
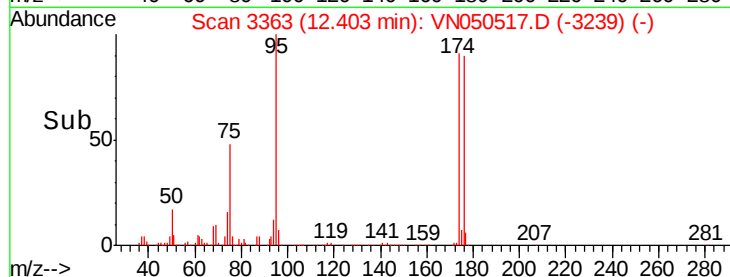
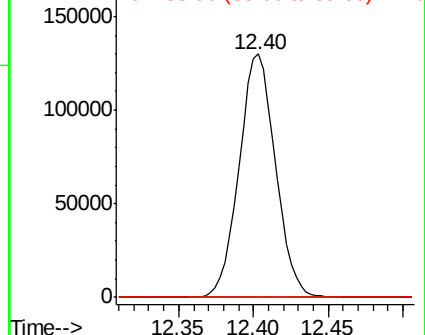
89 0.0 36.0 54.0#



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



#90

Hexachloroethane

Concen: 0.30 ug/l

RT: 13.94 min Scan# 3842

Delta R.T. 0.07 min

Lab File: VN050517.D

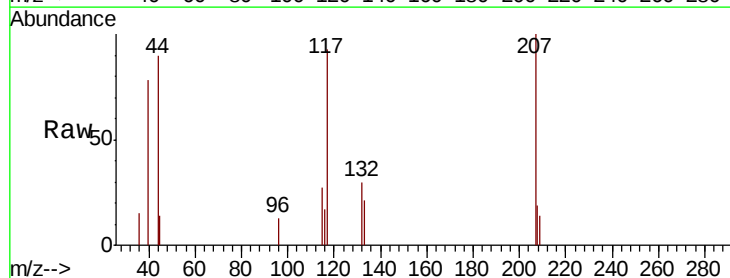
Acq: 10 Aug 2018 14:57

Tgt Ion: 117 Resp: 1281

Ion Ratio Lower Upper

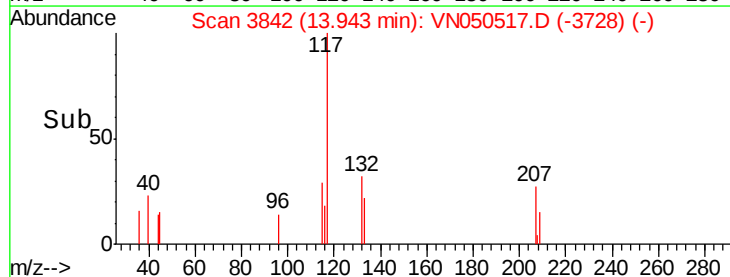
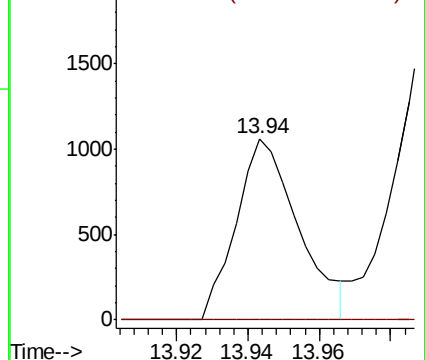
117 100

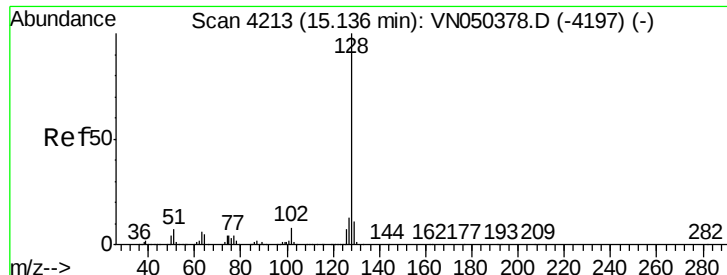
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

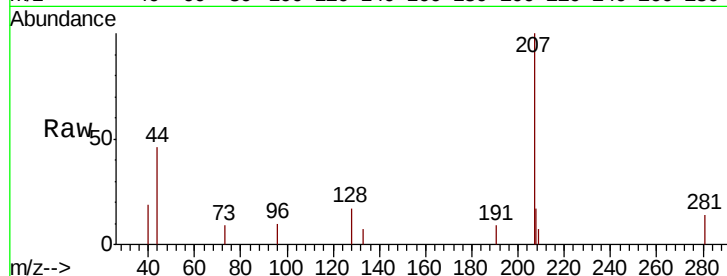




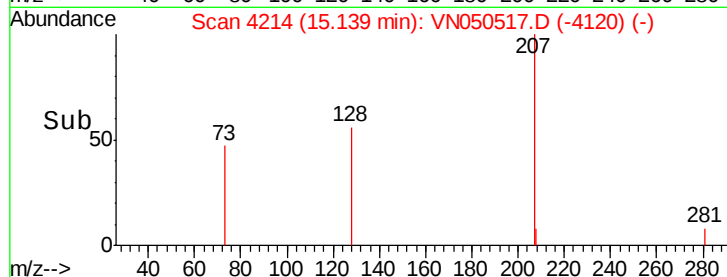
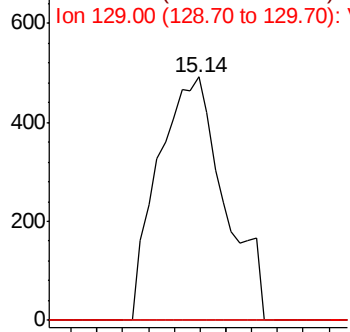
#95
 Naphthalene
 Concen: 3.66 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN050517.D
 Acq: 10 Aug 2018 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Tot 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



Time-->