

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050391.D
 Acq On : 6 Aug 2018 18:20
 Operator : MD\SY
 Sample : PB11760ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#06

Quant Time: Aug 07 05:49:35 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	692063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1152079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	986938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	395313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	483292	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	7.59	113	429920	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
50) Toluene-d8	10.09	98	1552002	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	
62) 4-Bromofluorobenzene	12.40	95	451172	38.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.18%	

Target Compounds

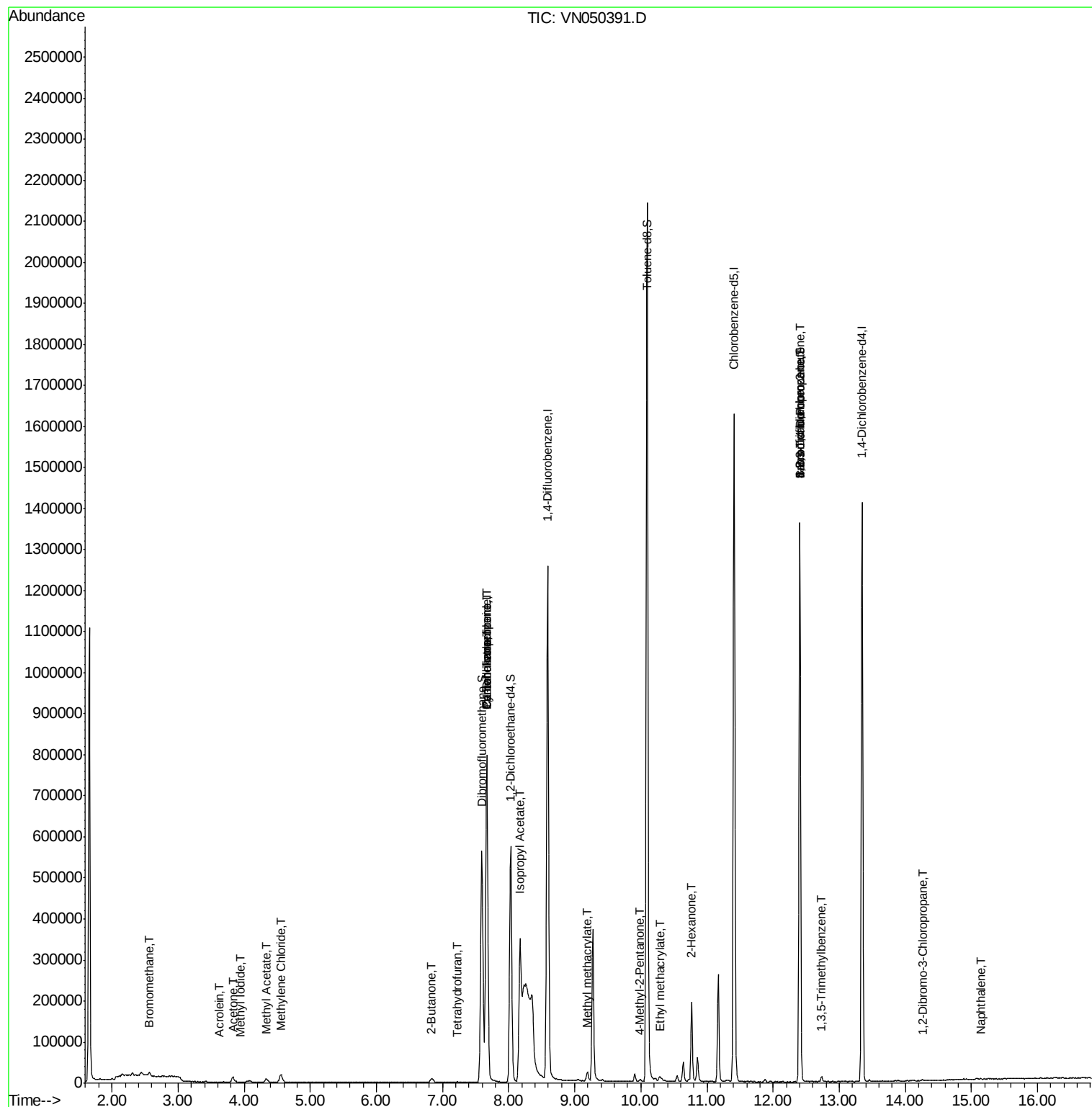
						Qvalue
3) Chloromethane	2.06	50	4204	Below Cal		97
5) Bromomethane	2.57	94	4799	1.16	ug/l	98
10) Methyl Iodide	3.94	142	1928	0.55	ug/l #	77
13) Acrolein	3.61	56	373	15.39	ug/l #	36
16) Acetone	3.83	43	20844	7.21	ug/l	99
18) Methyl Acetate	4.33	43	16692	2.14	ug/l	93
20) Methylene Chloride	4.56	84	15172	0.26	ug/l	91
25) 2-Butanone	6.84	43	2134	0.47	ug/l #	82
29) Tetrahydrofuran	7.23	42	1327	0.54	ug/l #	48
31) Cyclohexane	7.67	56	12331	0.30	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	48326	3.82	ug/l #	48
38) Carbon Tetrachloride	7.67	117	61775	4.68	ug/l #	17
43) Isopropyl Acetate	8.17	43	421691	26.80	ug/l	94
48) Methyl methacrylate	9.18	41	10830	1.37	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	2985	0.26	ug/l	91
56) Ethyl methacrylate	10.28	69	132	1.72	ug/l #	1
59) 2-Hexanone	10.77	43	26683	3.37	ug/l #	58
71) Bromoform	12.40	173	3021	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	221458	30.95	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6217	0.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	221458	108.74	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	432	0.30	ug/l #	1
95) Naphthalene	15.13	128	553	3.65	ug/l #	69

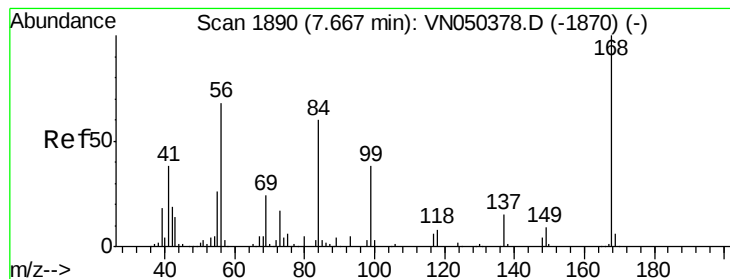
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080618\
Data File : VN050391.D
Acq On : 6 Aug 2018 18:20
Operator : MD\SY
Sample : PB11760ZHE#06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#06

Quant Time: Aug 07 05:49:35 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: VN050391.D

Acq: 6 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

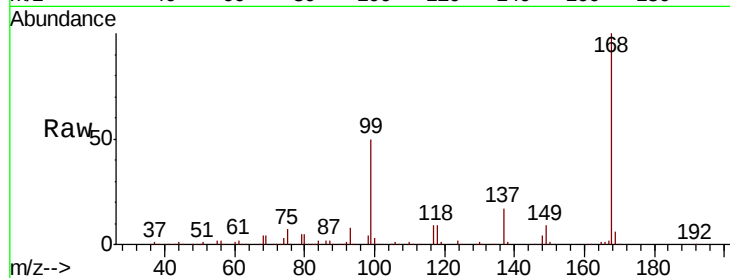
PB11760ZHE#06

Tot Ion:168 Resp: 692063

Ion Ratio Lower Upper

168 100

99 50.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

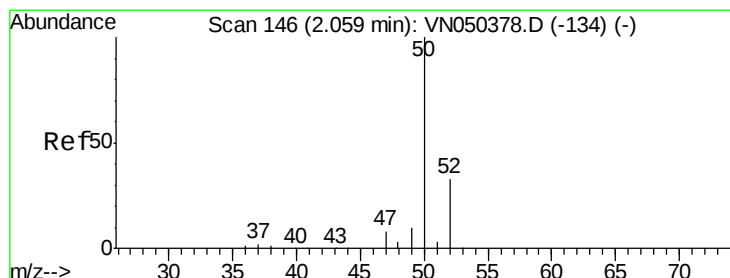
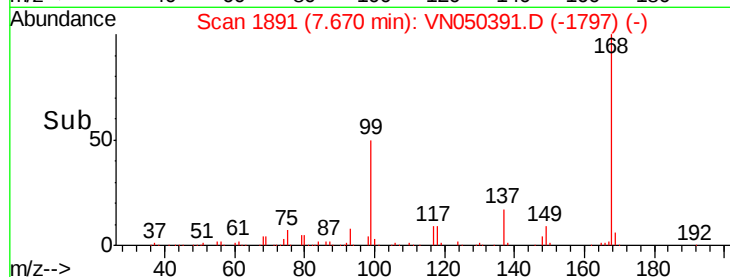
300000

200000

100000

0

Time--> 7.50 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: VN050391.D

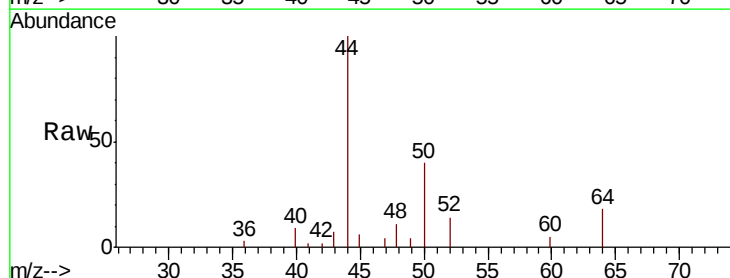
Acq: 6 Aug 2018 18:20

Tgt Ion: 50 Resp: 4204

Ion Ratio Lower Upper

50 100

52 34.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

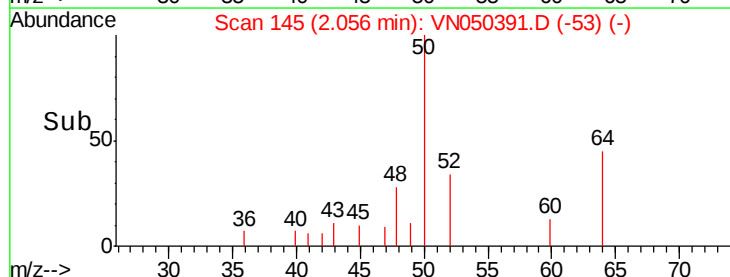
1500

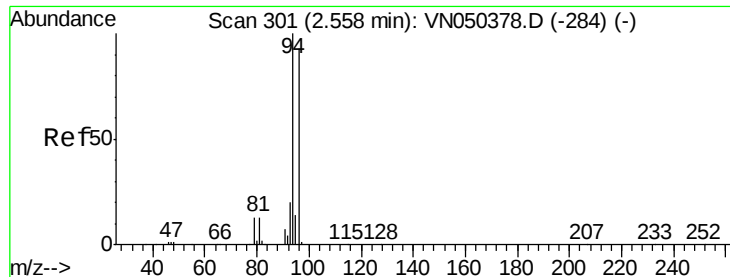
1000

500

0

Time--> 2.05 2.10





#5

Bromomethane

Concen: 1.16 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050391.D

Acq: 6 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

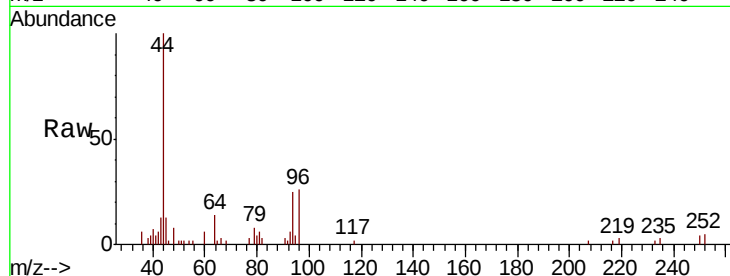
PB11760ZHE#06

Tot Ion: 94 Resp: 4799

Ion Ratio Lower Upper

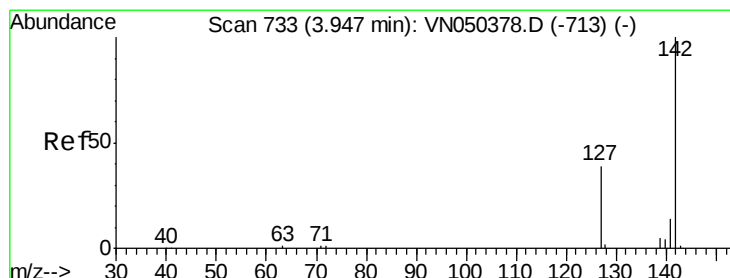
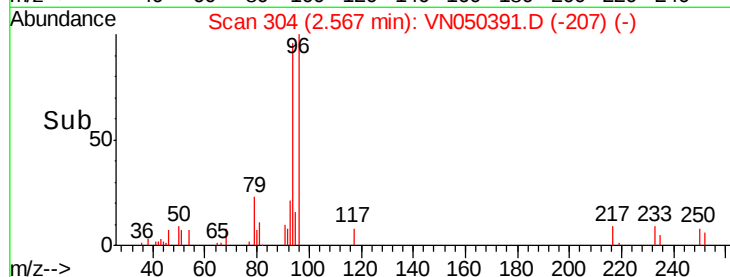
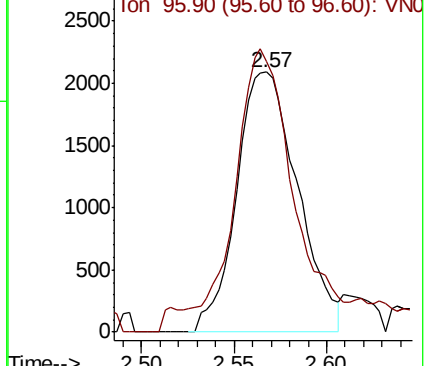
94 100

96 95.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)



#10

Methyl Iodide

Concen: 0.55 ug/l

RT: 3.94 min Scan# 731

Delta R.T. -0.01 min

Lab File: VN050391.D

Acq: 6 Aug 2018 18:20

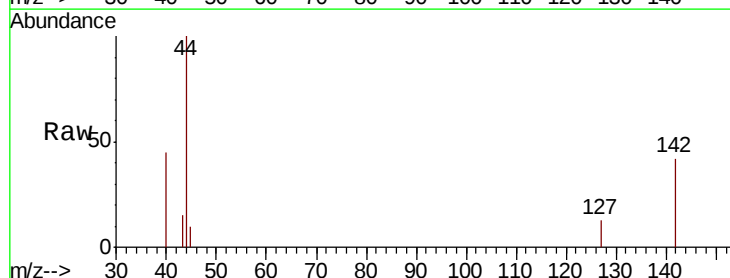
Tgt Ion: 142 Resp: 1928

Ion Ratio Lower Upper

142 100

127 29.6 33.4 50.2#

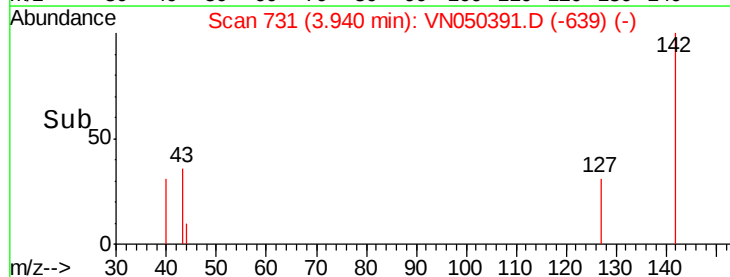
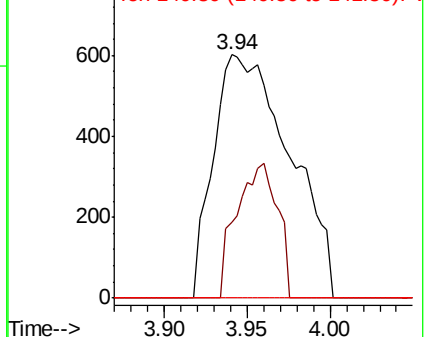
141 0.0 11.6 17.4#

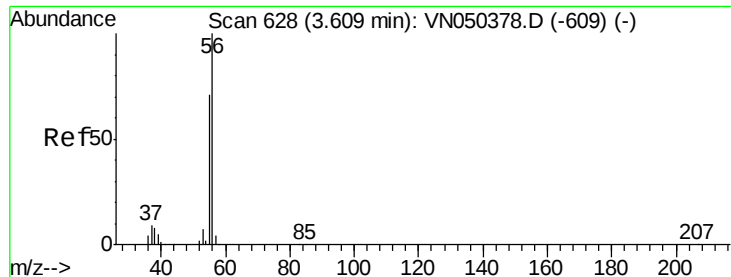


Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)





#13

Acrolein

Concen: 15.39 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050391.D

Acq: 6 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

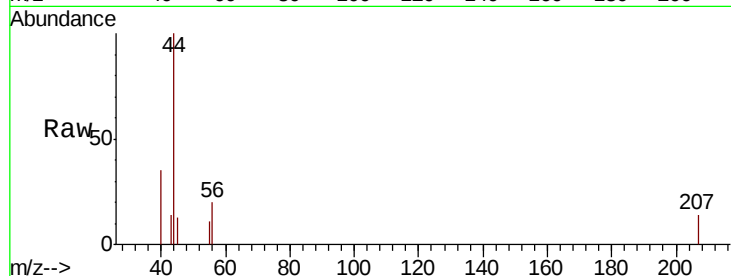
PB11760ZHE#06

Tot Ion: 56 Resp: 373

Ion Ratio Lower Upper

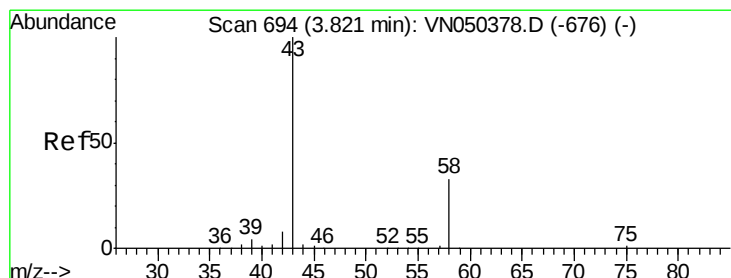
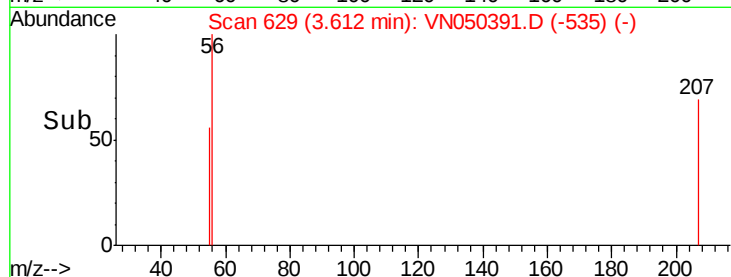
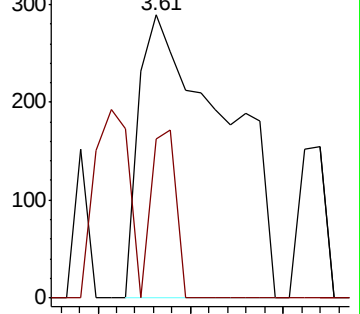
56 100

55 17.2 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 7.21 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050391.D

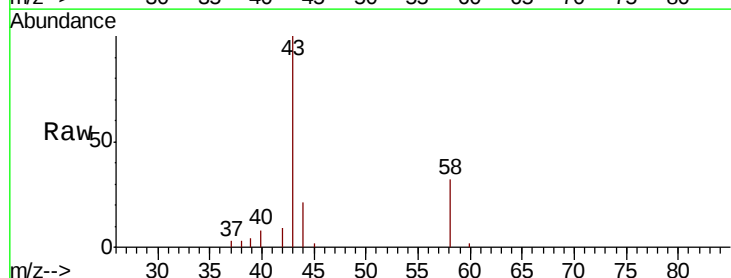
Acq: 6 Aug 2018 18:20

Tgt Ion: 43 Resp: 20844

Ion Ratio Lower Upper

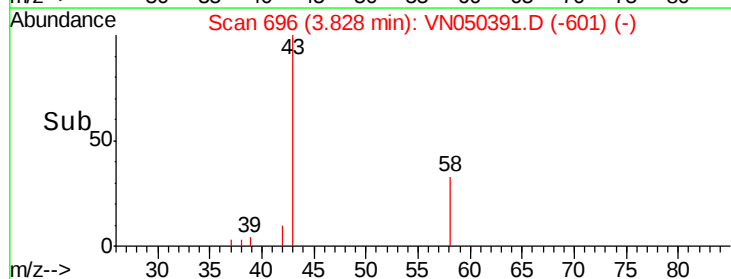
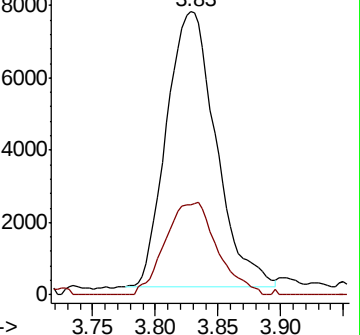
43 100

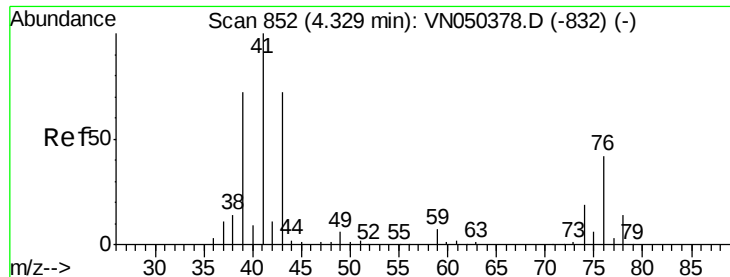
58 32.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

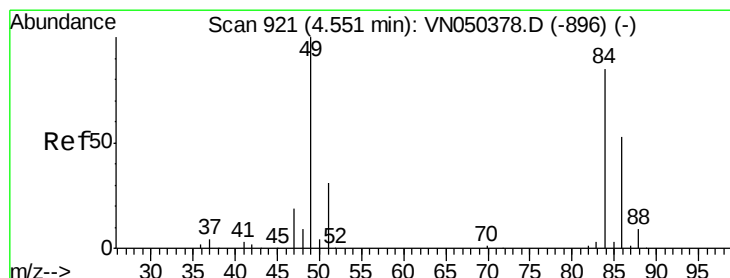
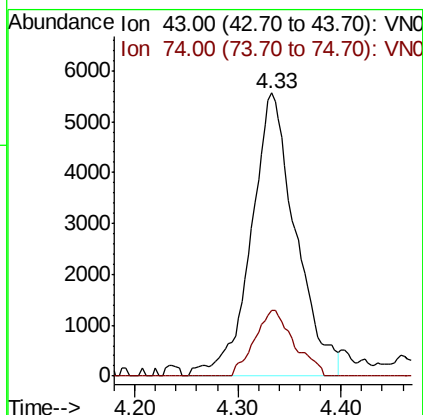
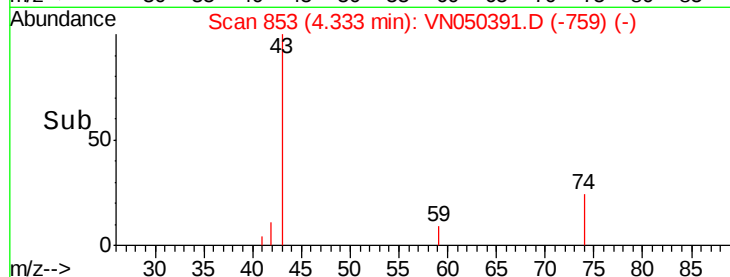
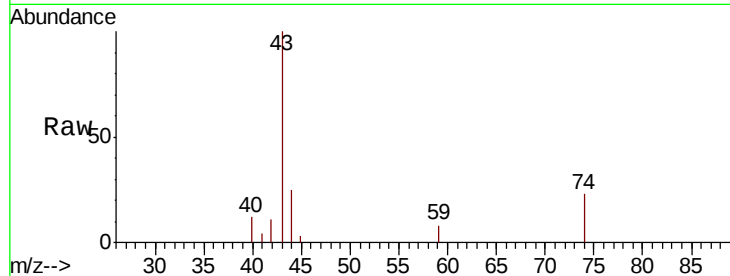




#18
Methyl Acetate
Concen: 2.14 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050391.D
Acq: 6 Aug 2018 18:20

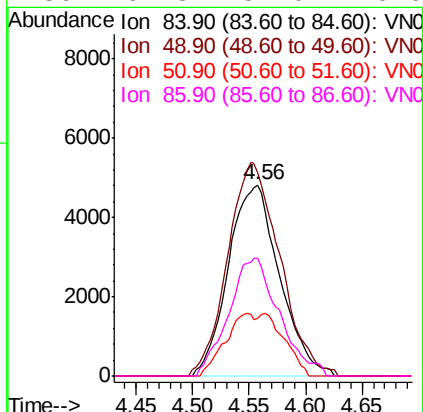
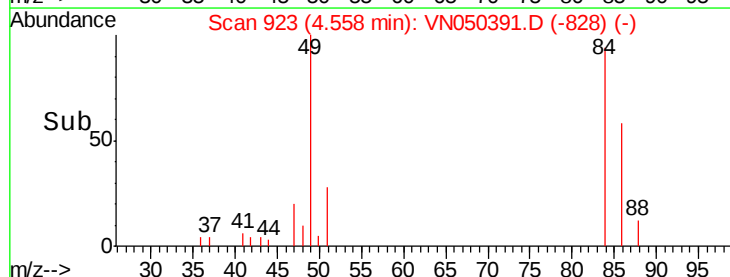
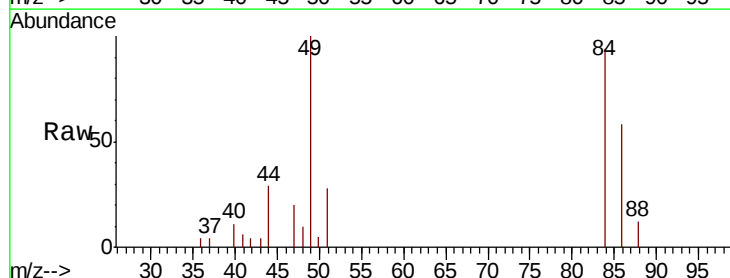
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#06

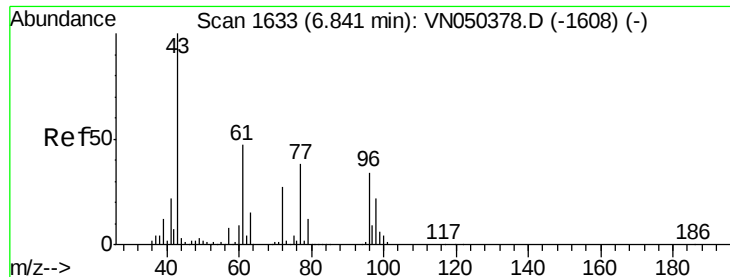
Tot Ion: 43 Resp: 16692
Ion Ratio Lower Upper
43 100
74 20.6 19.2 28.8



#20
Methylene Chloride
Concen: 0.26 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050391.D
Acq: 6 Aug 2018 18:20

Tgt Ion: 84 Resp: 15172
Ion Ratio Lower Upper
84 100
49 106.2 94.8 142.2
51 29.9 28.3 42.5
86 61.3 51.0 76.6





#25

2-Butanone

Concen: 0.47 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050391.D

Acq: 6 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

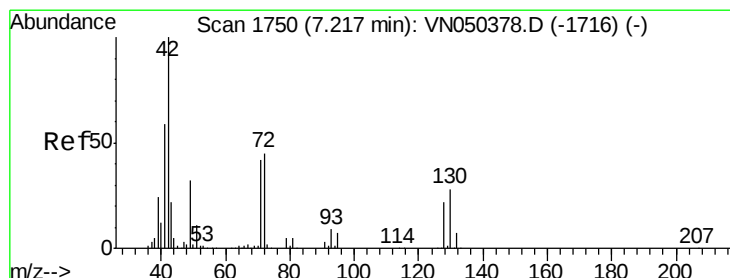
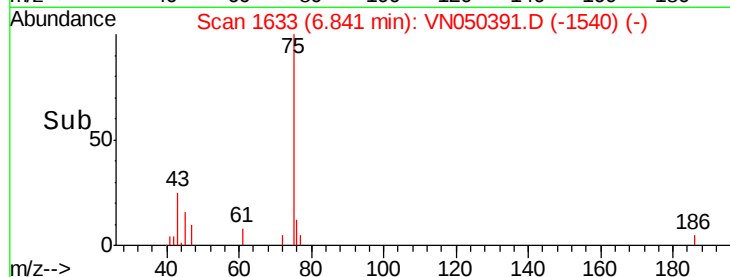
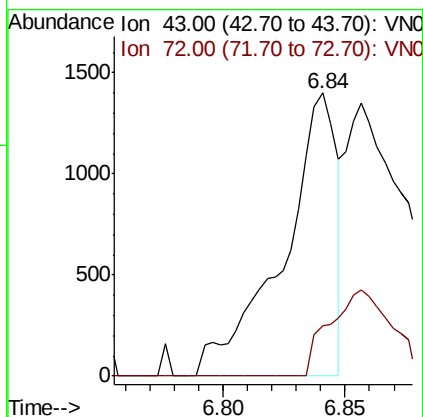
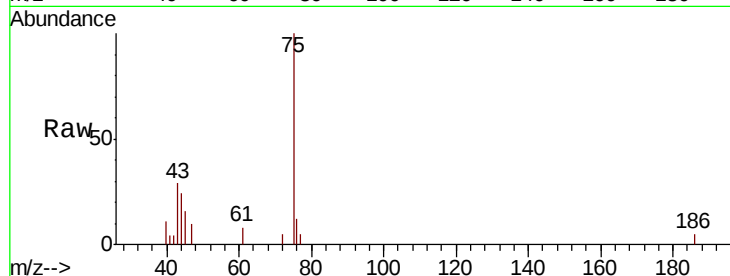
PB11760ZHE#06

Tot Ion: 43 Resp: 2134

Ion Ratio Lower Upper

43 100

72 17.7 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.54 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050391.D

Acq: 6 Aug 2018 18:20

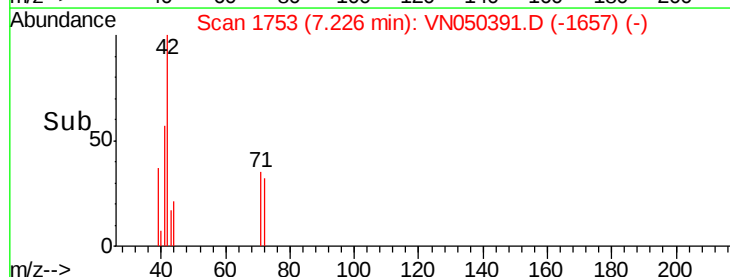
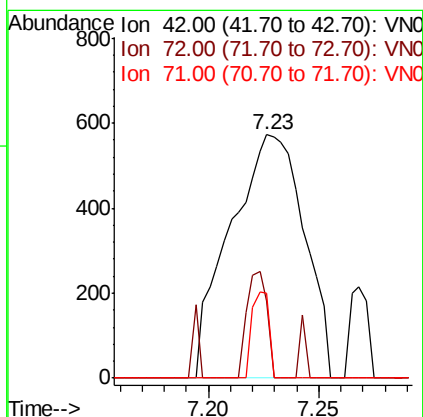
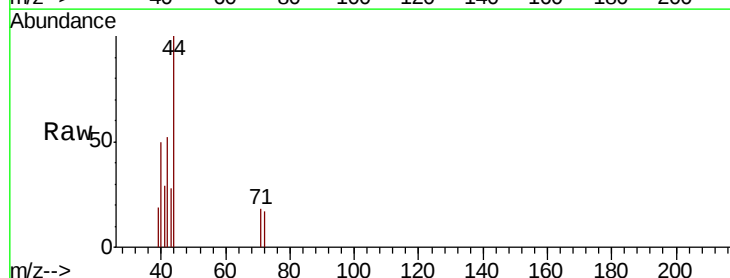
Tgt Ion: 42 Resp: 1327

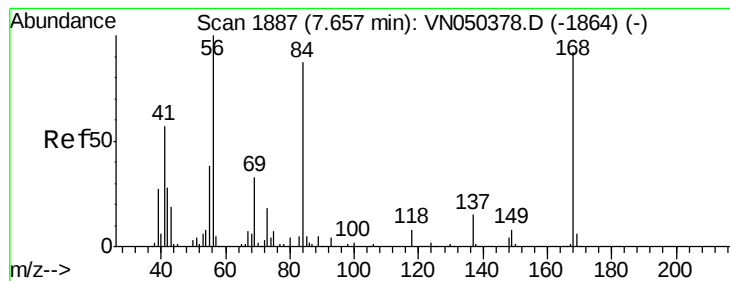
Ion Ratio Lower Upper

42 100

72 12.1 35.9 53.9#

71 8.3 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: VN050391.D

Acq: 6 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#06

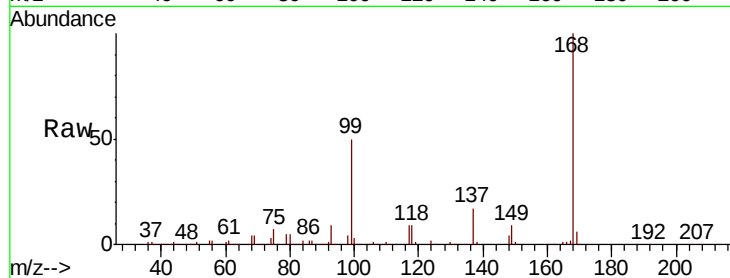
Tot Ion: 56 Resp: 12331

Ion Ratio Lower Upper

56 100

69 191.7 26.2 39.4#

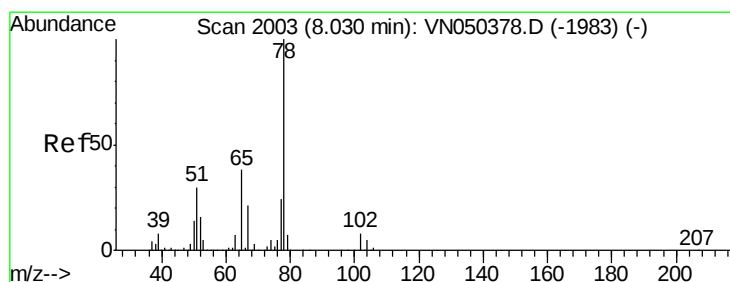
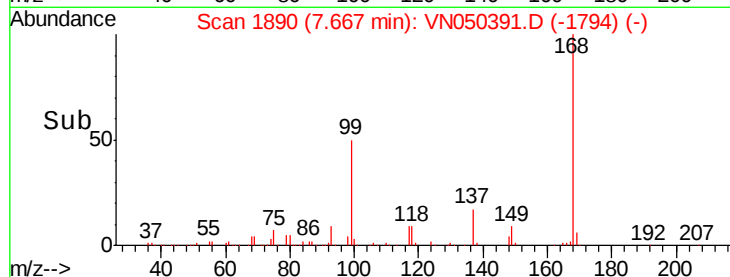
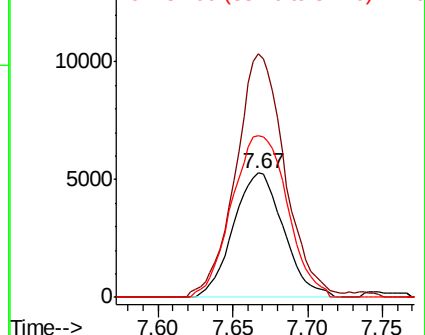
84 129.4 67.4 101.0#



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: 52.27 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050391.D

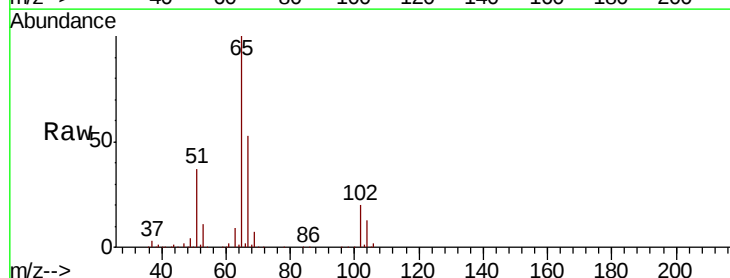
Acq: 6 Aug 2018 18:20

Tgt Ion: 65 Resp: 483292

Ion Ratio Lower Upper

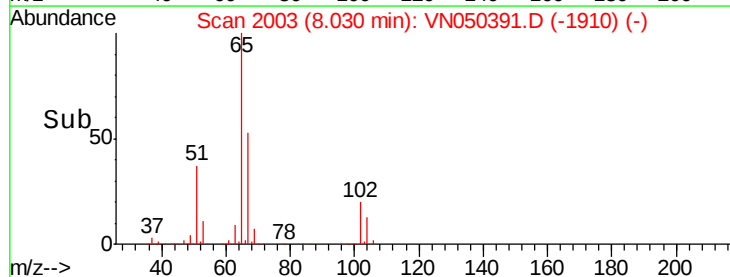
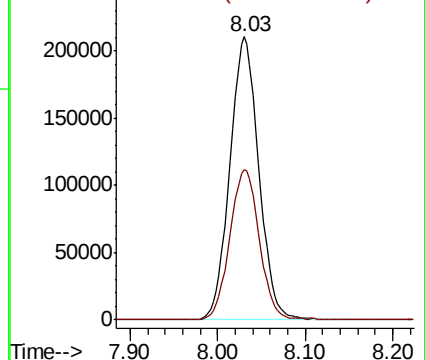
65 100

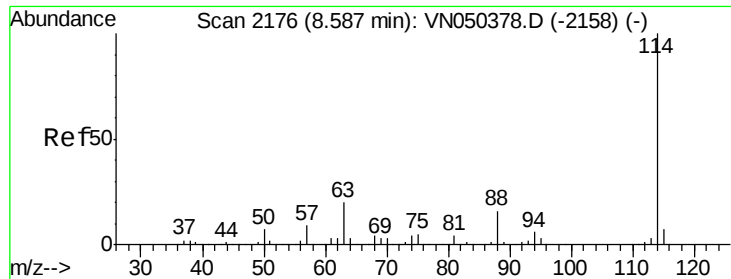
67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

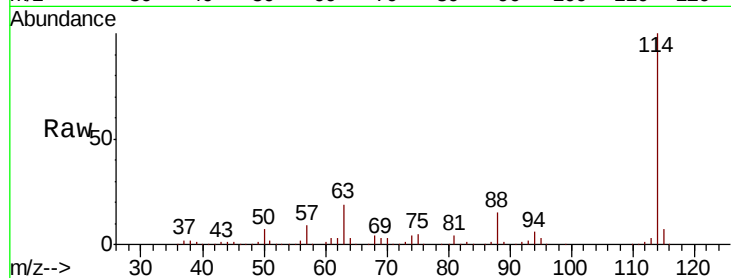




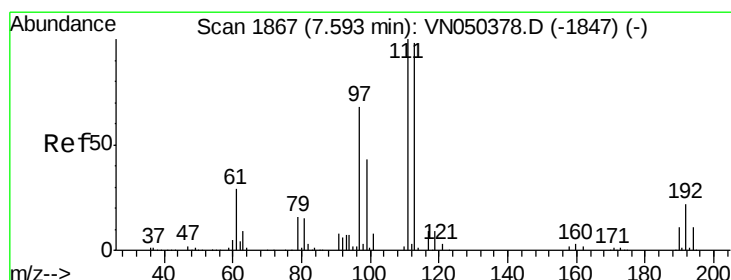
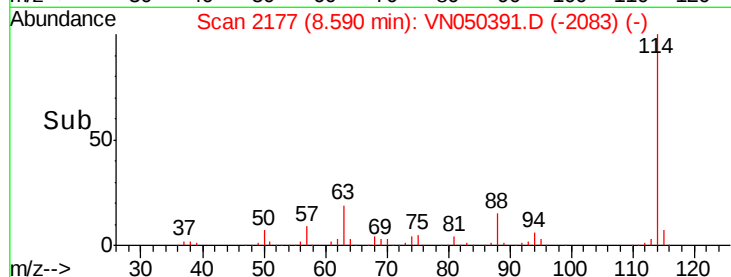
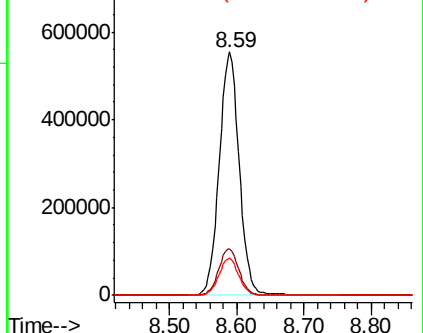
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050391.D
 Acq: 6 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#06

Tot Ion:114 Resp: 1152079
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.2 0.0 31.2

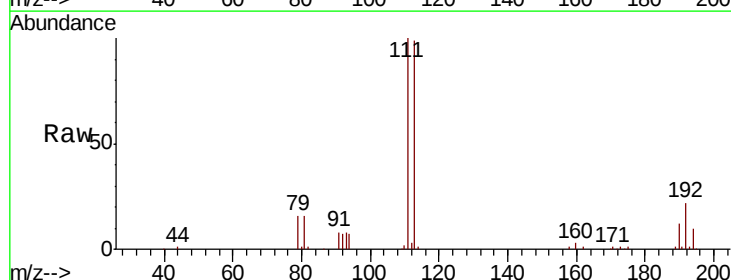


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

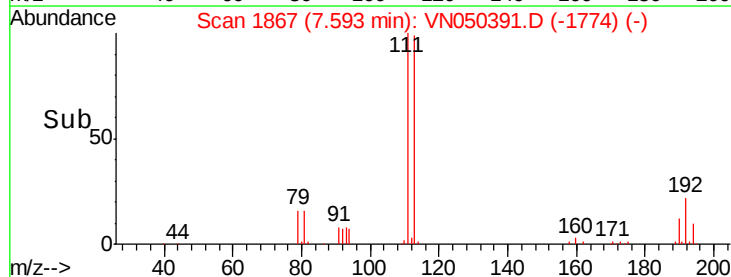
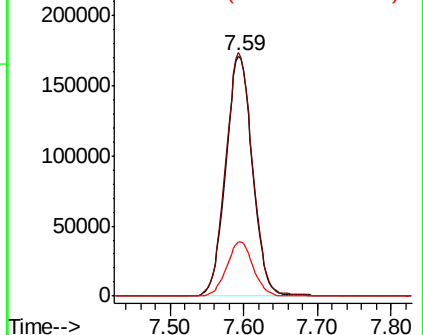


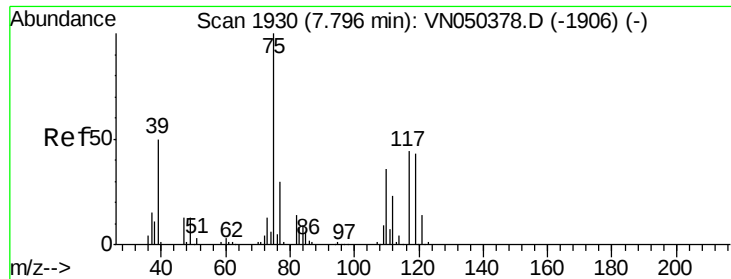
#35
 Dibromofluoromethane
 Concen: 46.51 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050391.D
 Acq: 6 Aug 2018 18:20

Tgt Ion:113 Resp: 429920
 Ion Ratio Lower Upper
 113 100
 111 102.1 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

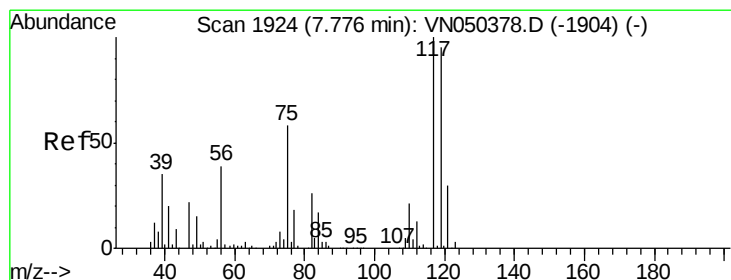
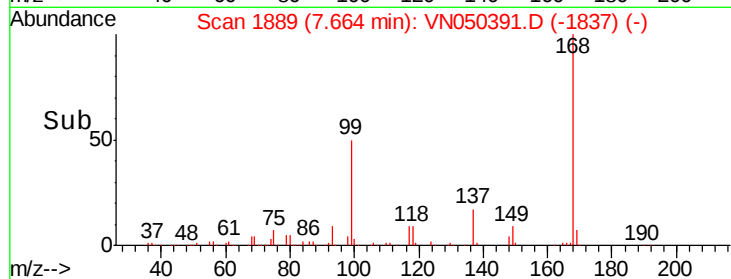
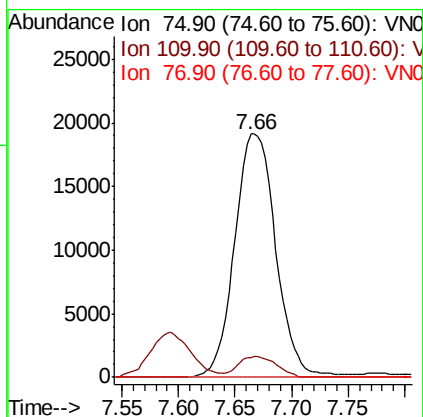
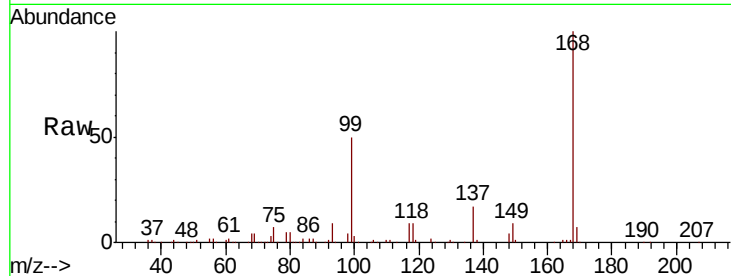




#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN050391.D
 Acq: 6 Aug 2018 18:20

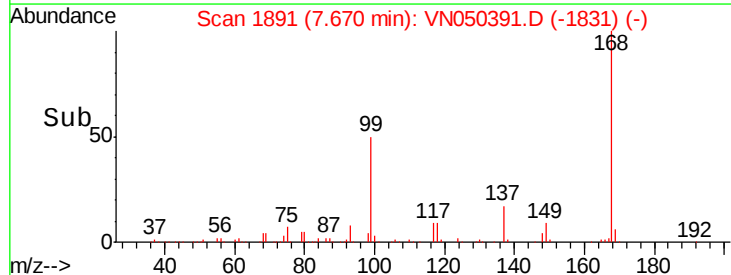
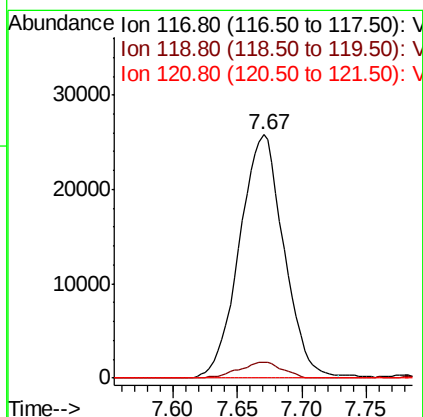
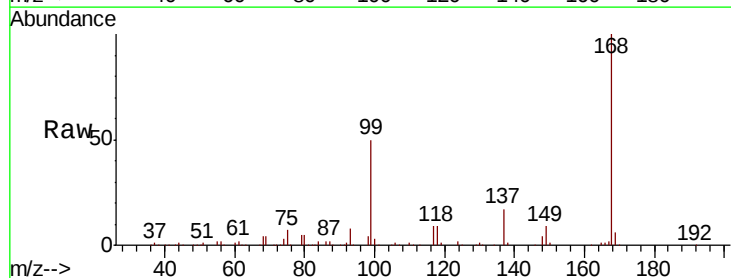
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#06

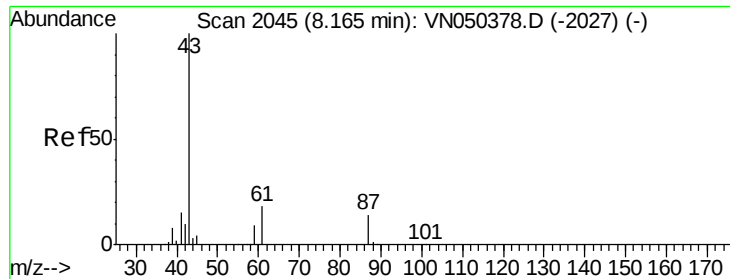
Tot Ion: 75 Resp: 48326
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.68 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050391.D
 Acq: 6 Aug 2018 18:20

Tgt Ion: 117 Resp: 61775
 Ion Ratio Lower Upper
 117 100
 119 6.7 77.4 116.0#
 121 0.0 23.9 35.9#



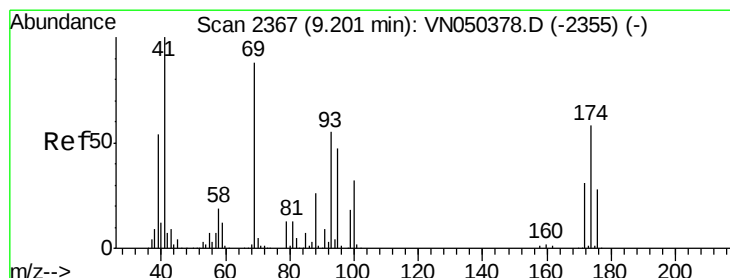
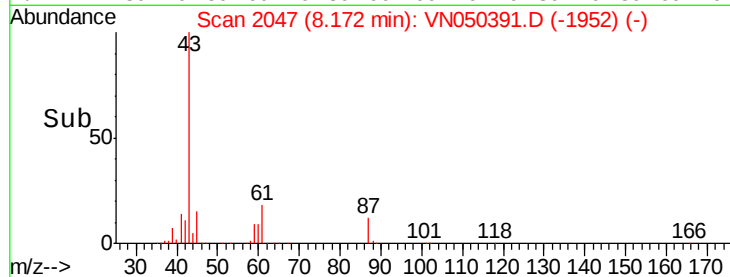
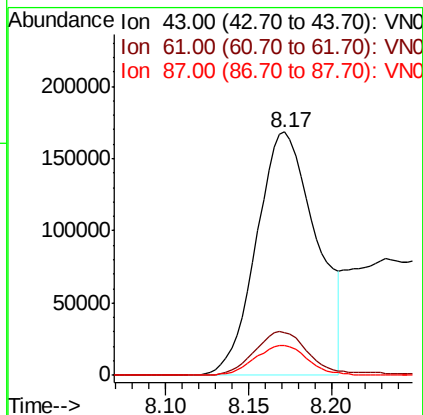
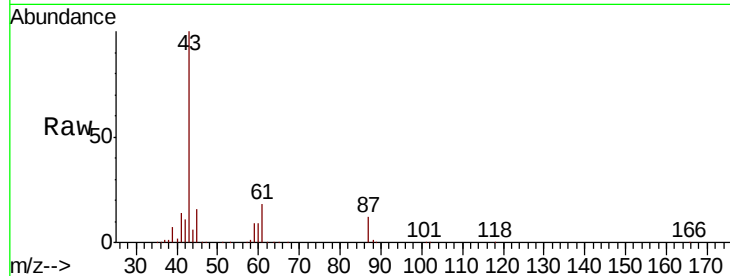


#43

Isopropyl Acetate
 Concen: 26.80 ug/l
 RT: 8.17 min Scan# 2047
 Delta R.T. 0.01 min
 Lab File: VN050391.D
 Acq: 6 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#06

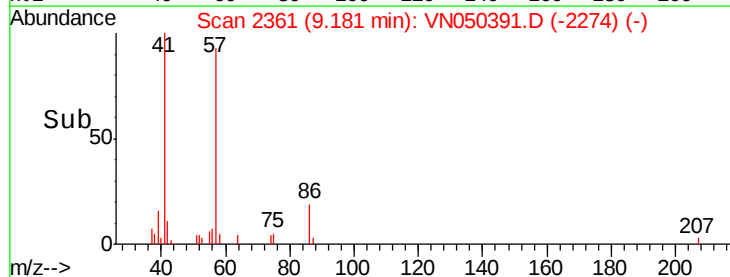
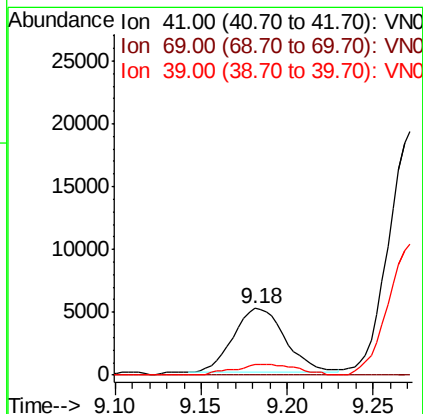
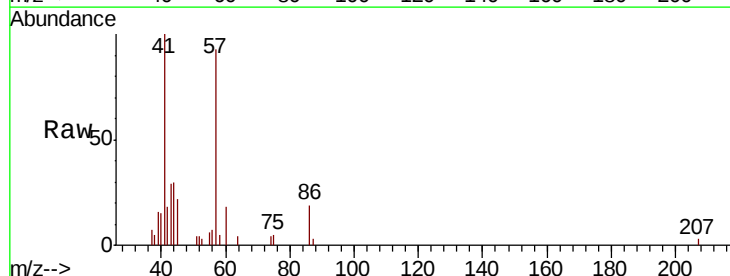
Tot Ion: 43 Resp: 421691
 Ion Ratio Lower Upper
 43 100
 61 16.3 15.8 23.6
 87 11.0 10.3 15.5

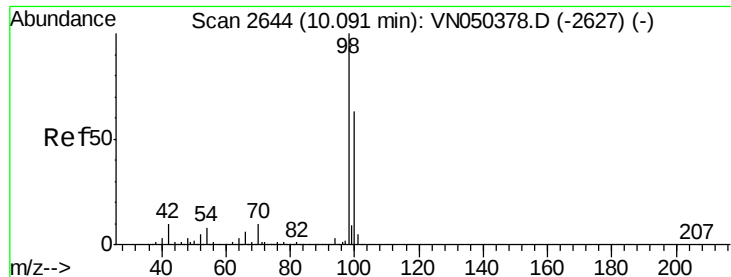


#48

Methyl methacrylate
 Concen: 1.37 ug/l
 RT: 9.18 min Scan# 2361
 Delta R.T. -0.02 min
 Lab File: VN050391.D
 Acq: 6 Aug 2018 18:20

Tgt Ion: 41 Resp: 10830
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.6 105.8#
 39 20.2 43.9 65.9#

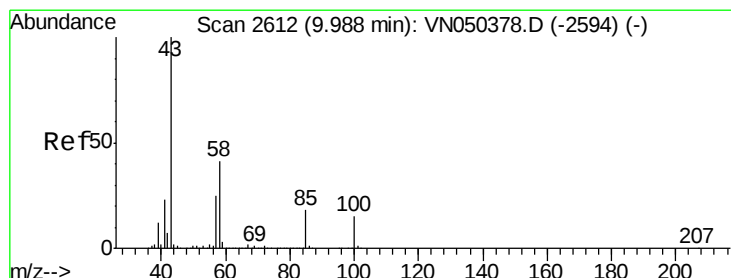
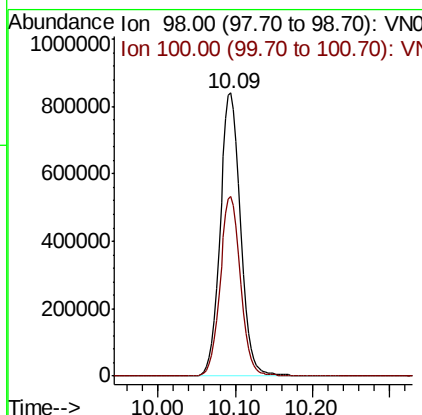
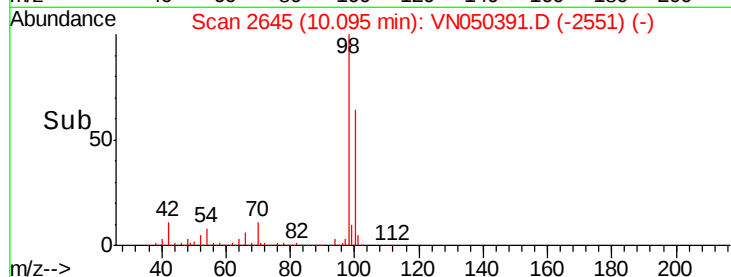
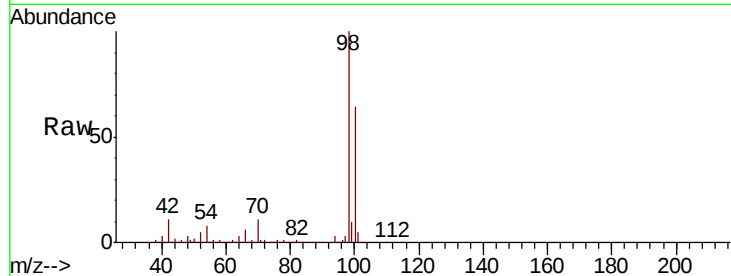




#50
Toluene-d8
Concen: 44.65 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050391.D
Acq: 6 Aug 2018 18:20

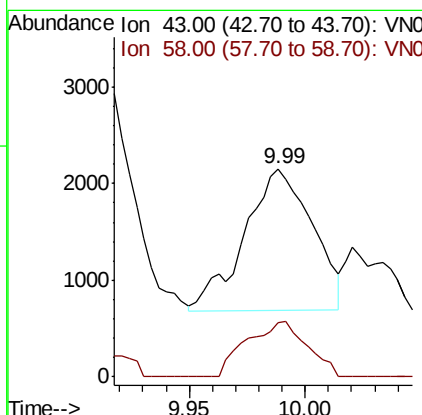
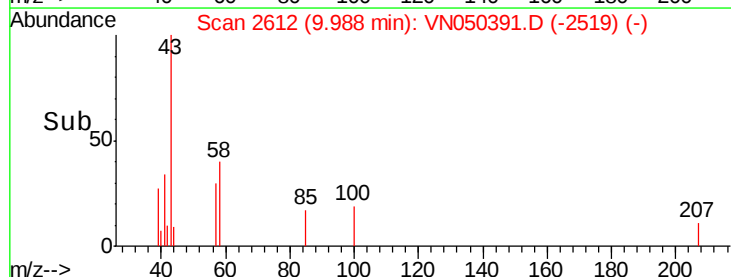
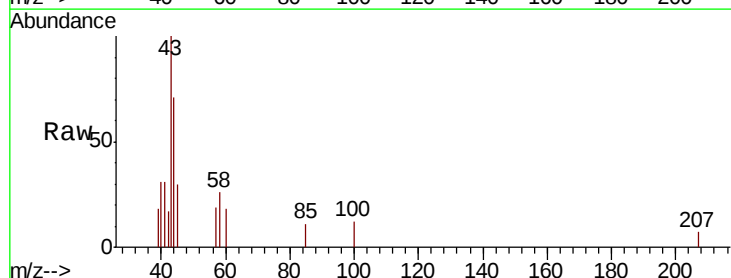
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#06

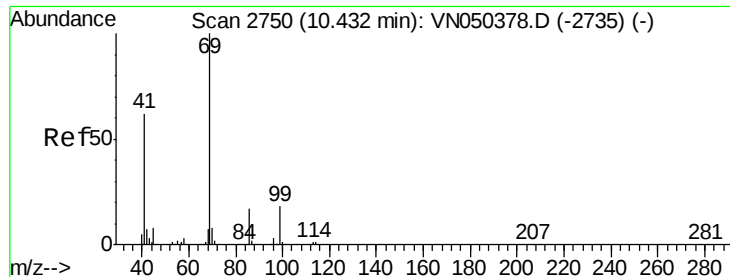
Tot Ion: 98 Resp: 1552002
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050391.D
Acq: 6 Aug 2018 18:20

Tgt Ion: 43 Resp: 2985
Ion Ratio Lower Upper
43 100
58 34.6 31.9 47.9





#56

Ethyl methacrylate

Concen: 1.72 ug/l

RT: 10.28 min Scan# 2704

Delta R.T. -0.15 min

Lab File: VN050391.D

Acq: 6 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleID :

PB11760ZHE#06

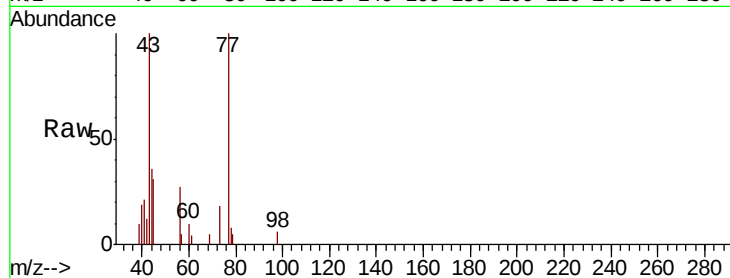
Tot Ion: 69 Resp: 132

Ion Ratio Lower Upper

69 100

41 793.9 51.0 76.4#

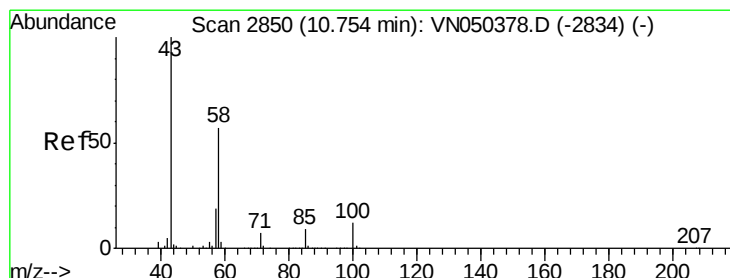
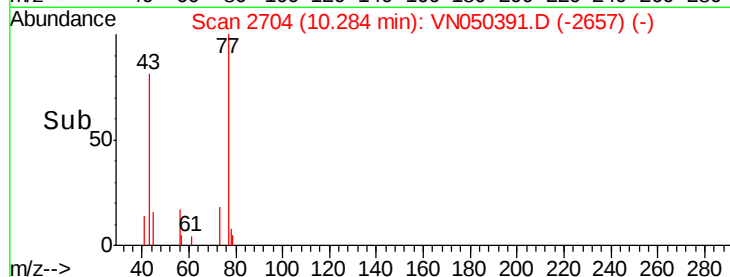
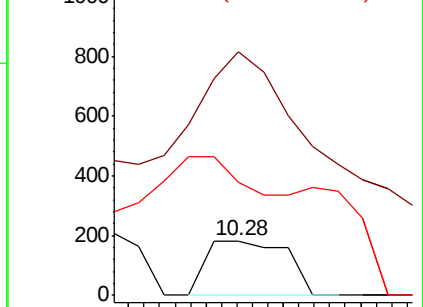
39 634.8 26.6 40.0#



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: 3.37 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050391.D

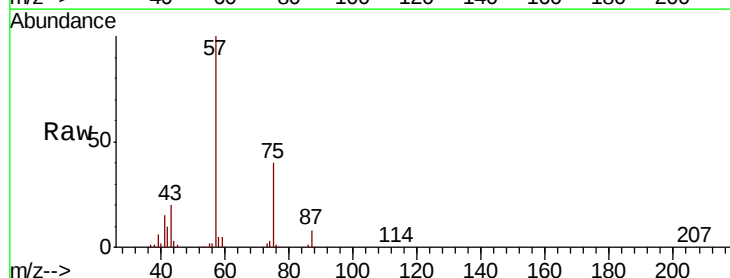
Acq: 6 Aug 2018 18:20

Tgt Ion: 43 Resp: 26683

Ion Ratio Lower Upper

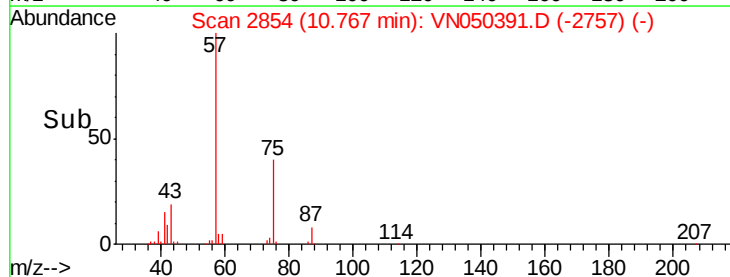
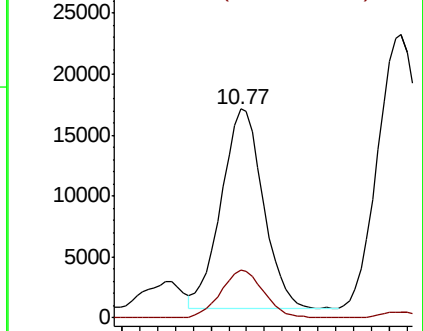
43 100

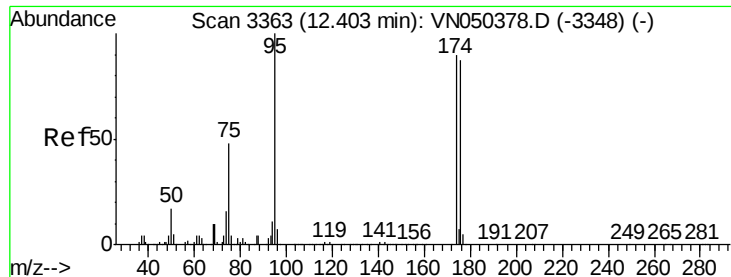
58 24.5 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

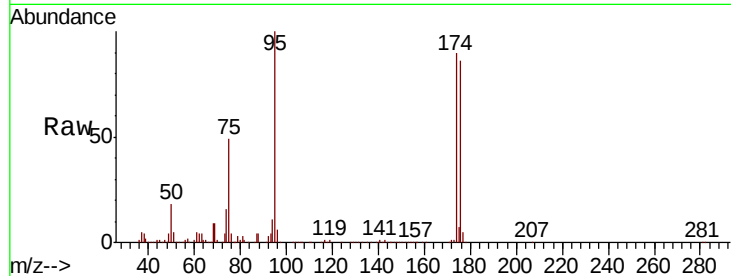




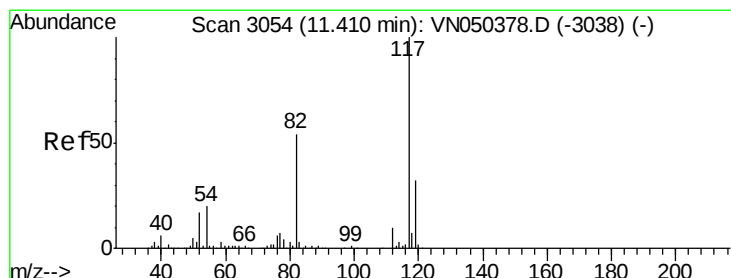
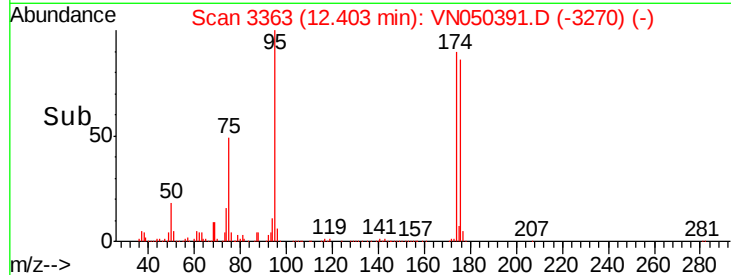
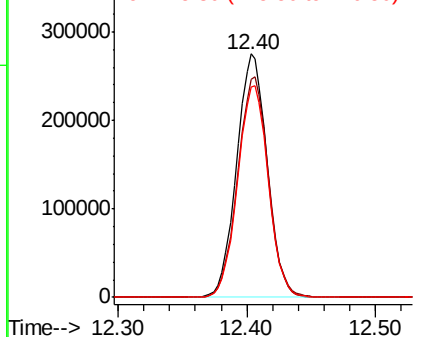
#62
4-Bromofluorobenzene
Concen: 38.09 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050391.D
Acq: 6 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#06

Tot Ion: 95 Resp: 451172
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.2
176 87.5 0.0 173.4

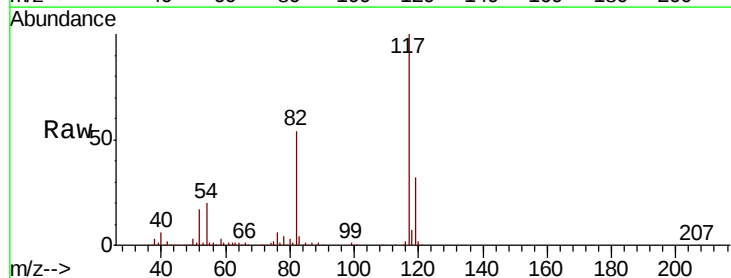


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): VN0
Ion 175.80 (175.50 to 176.50): VN0

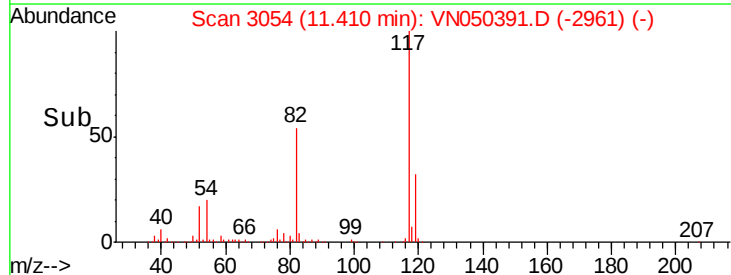
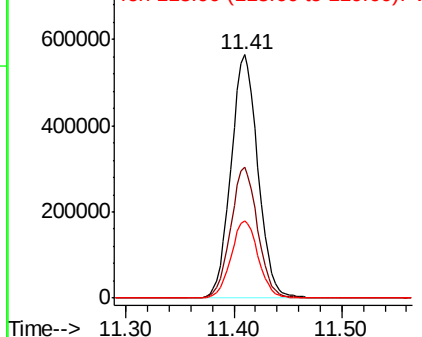


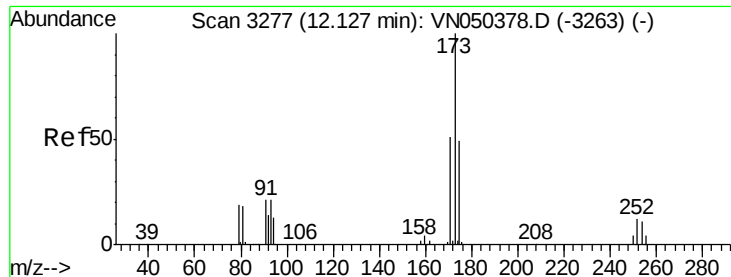
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050391.D
Acq: 6 Aug 2018 18:20

Tgt Ion: 117 Resp: 986938
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 31.9 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VN0
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050391.D

Acq: 6 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#06

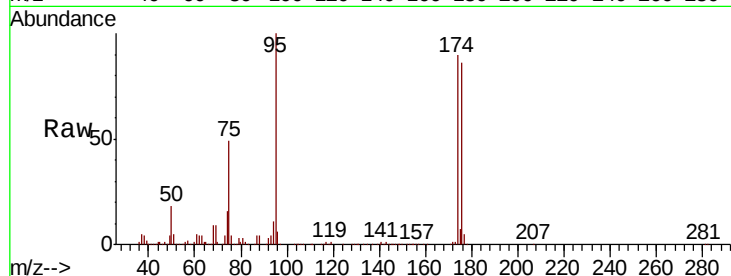
Tot Ion:173 Resp: 3021

Ion Ratio Lower Upper

173 100

175 787.7 24.1 72.2#

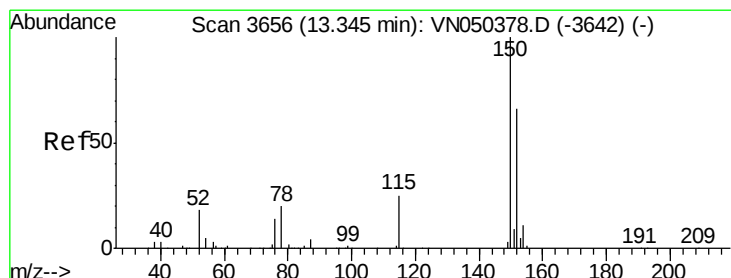
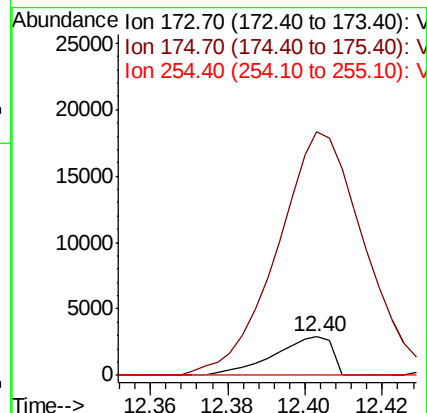
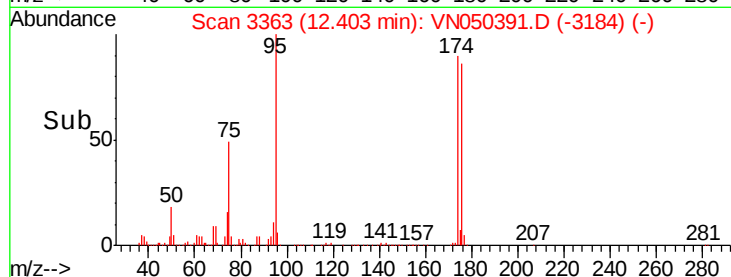
254 0.0 0.2 0.2#



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: VN050391.D

Acq: 6 Aug 2018 18:20

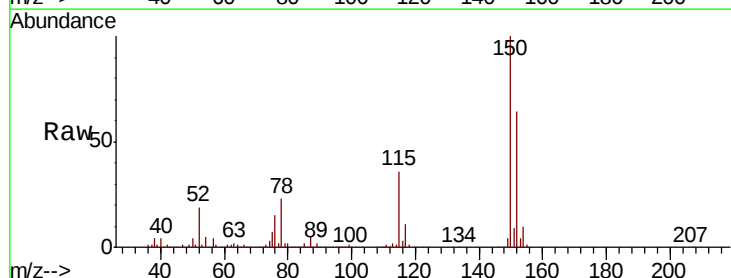
Tgt Ion:152 Resp: 395313

Ion Ratio Lower Upper

152 100

115 57.4 27.8 83.3

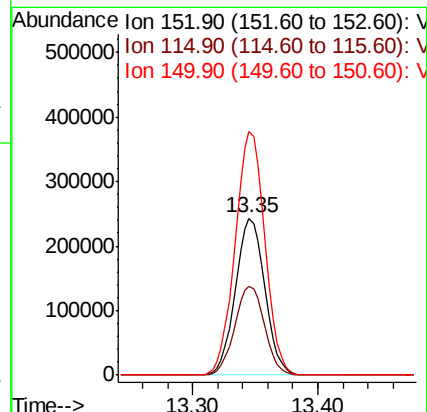
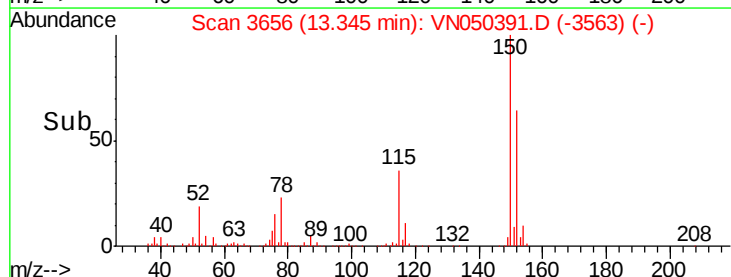
150 156.6 0.0 348.6

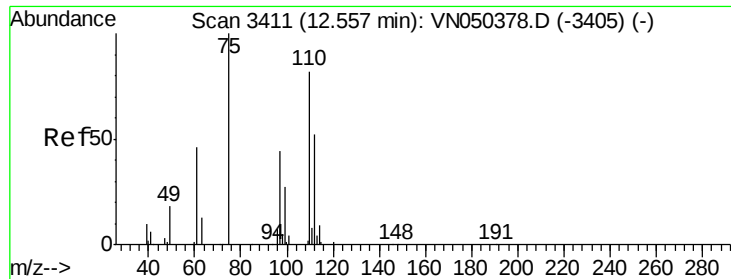


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

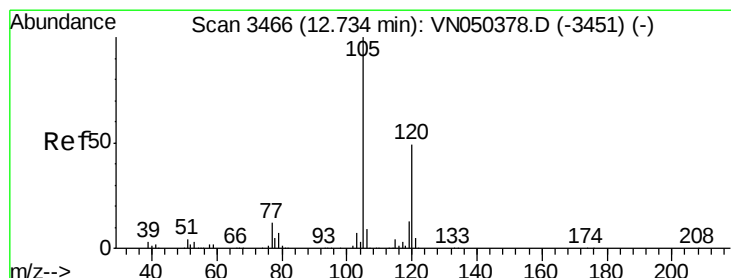
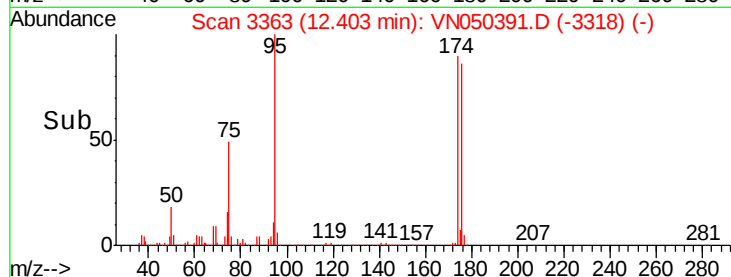
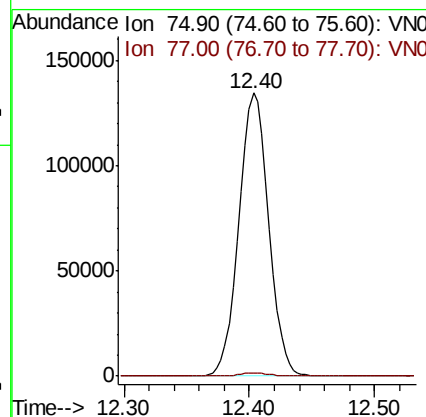
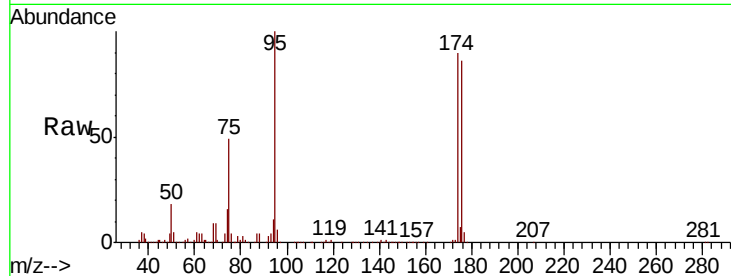




#76
 1,2,3-Trichloropropane
 Concen: 30.95 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN050391.D
 Acq: 6 Aug 2018 18:20

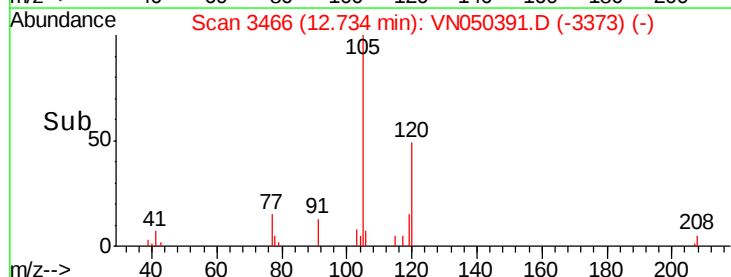
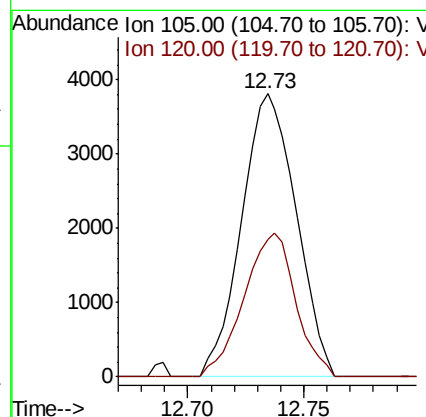
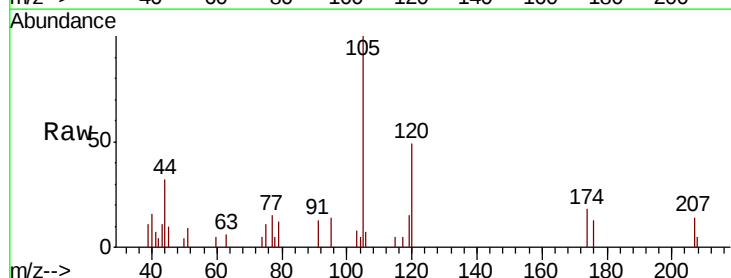
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#06

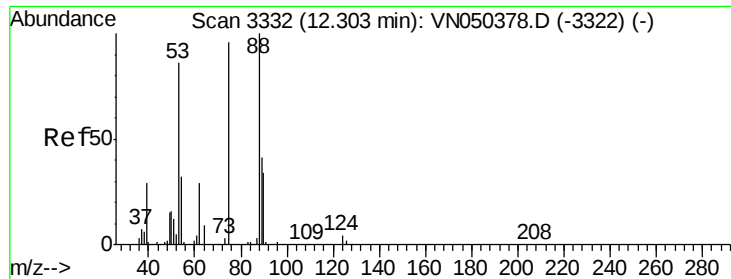
Tot Ion: 75 Resp: 221458
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.26 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050391.D
 Acq: 6 Aug 2018 18:20

Tgt Ion: 105 Resp: 6217
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 108.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050391.D

Acq: 6 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#06

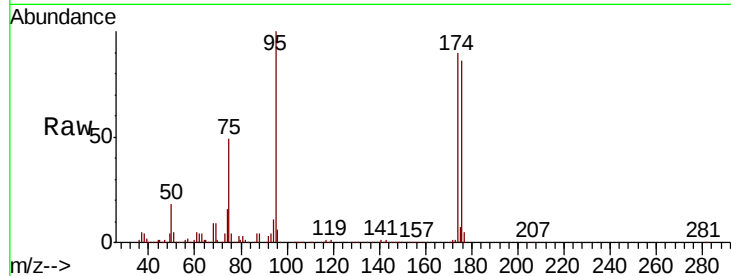
Tot Ion: 75 Resp: 221458

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

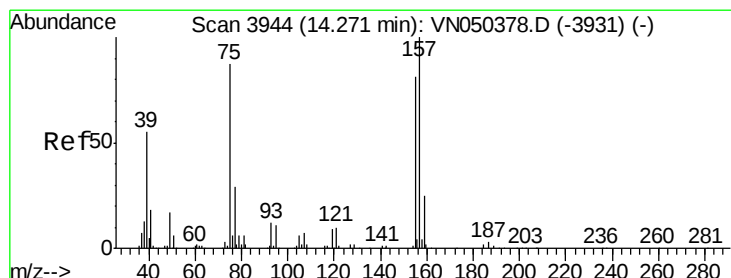
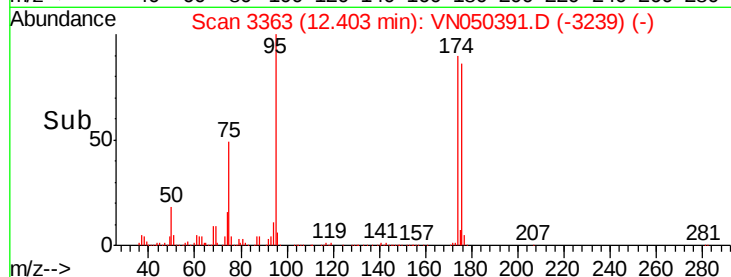
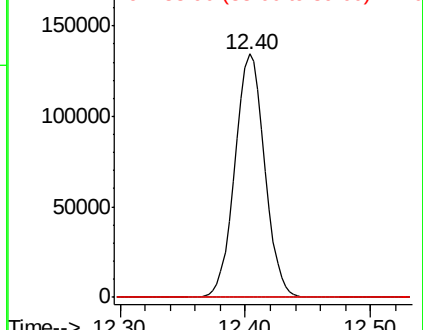
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.30 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN050391.D

Acq: 6 Aug 2018 18:20

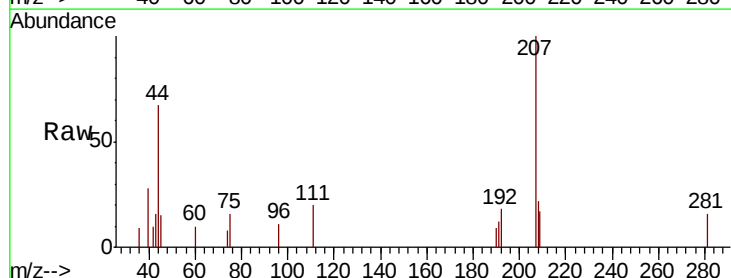
Tgt Ion: 75 Resp: 432

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

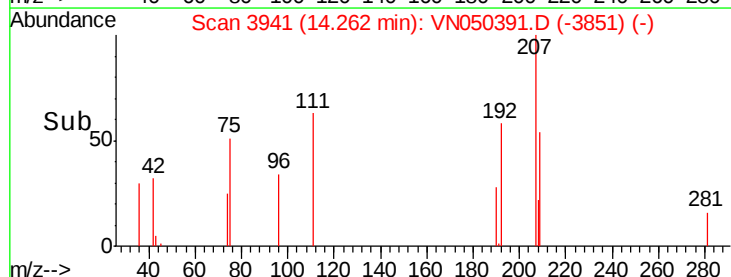
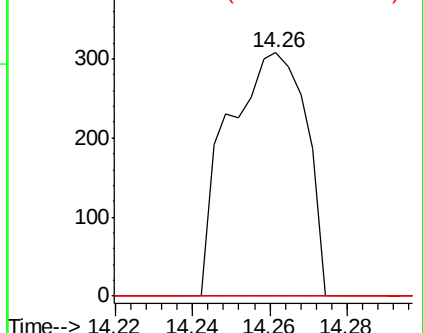
157 0.0 57.2 171.6#

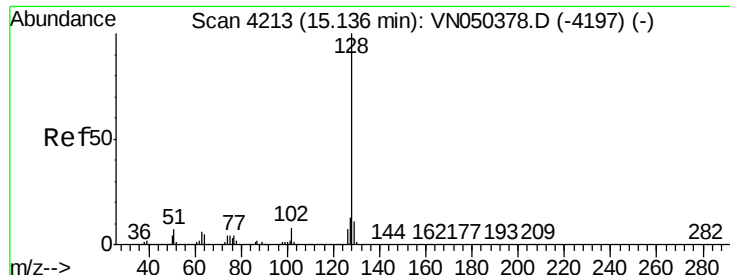


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 3.65 ug/l
RT: 15.13 min Scan# 4211
Delta R.T. -0.01 min
Lab File: VN050391.D
Acq: 6 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#06

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

