

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050397.D
 Acq On : 6 Aug 2018 20:49
 Operator : MD\SY
 Sample : PB11760ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#12

Quant Time: Aug 07 05:51:12 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	612297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1046073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	933470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	399144	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	448563	54.83	ug/l	0.00
Spiked Amount			Recovery	=	109.66%	
35) Dibromofluoromethane	7.59	113	394752	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
50) Toluene-d8	10.09	98	1440856	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
62) 4-Bromofluorobenzene	12.40	95	434987	40.44	ug/l	0.00
Spiked Amount			Recovery	=	80.88%	

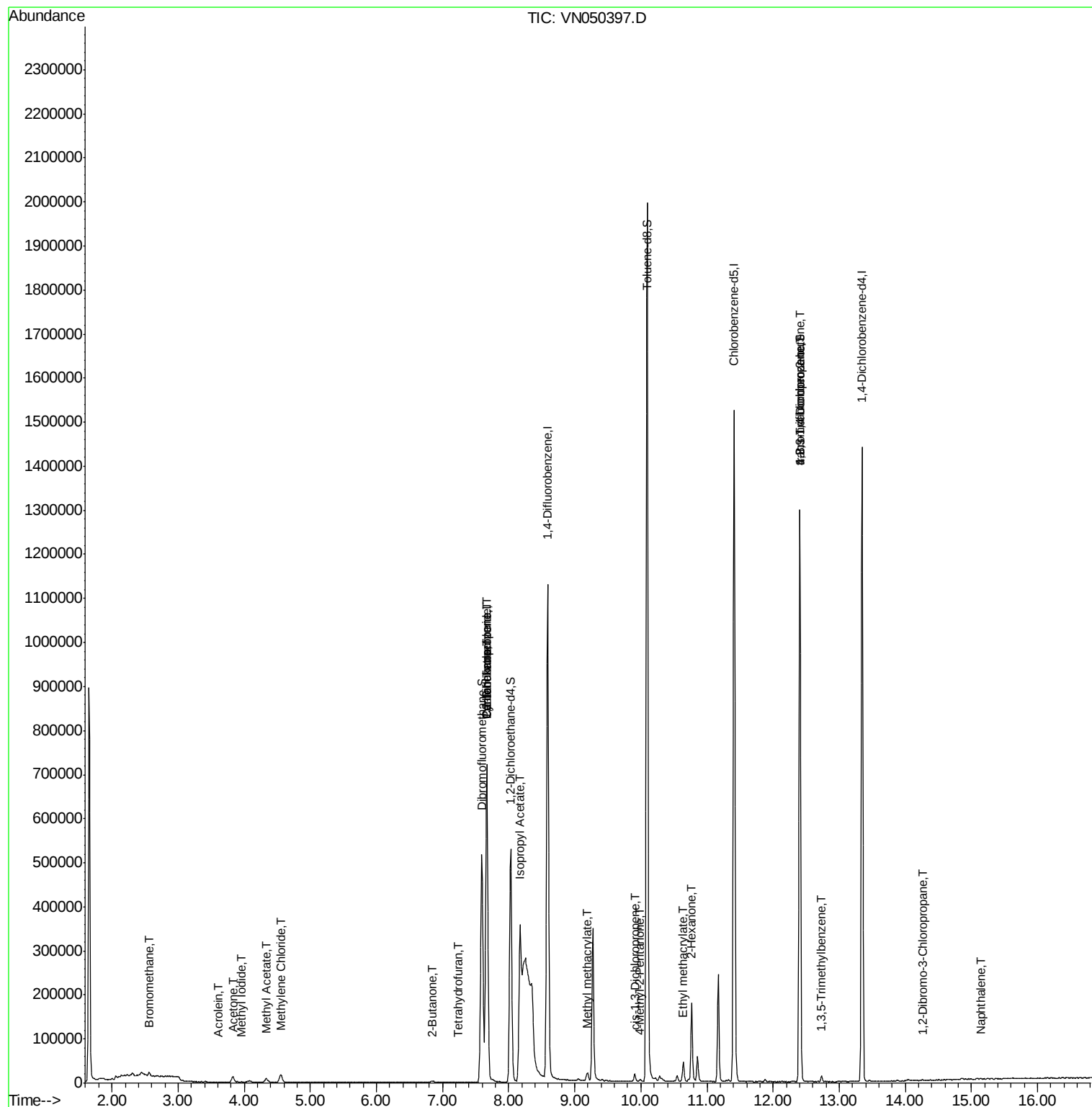
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3491	Below Cal		99
5) Bromomethane	2.56	94	4523	1.23	ug/l	86
10) Methyl Iodide	3.95	142	923	0.30	ug/l #	90
13) Acrolein	3.60	56	60	15.10	ug/l #	15
16) Acetone	3.83	43	20489	8.05	ug/l	100
18) Methyl Acetate	4.33	43	18284	2.70	ug/l	97
20) Methylene Chloride	4.55	84	13467	0.26	ug/l	92
25) 2-Butanone	6.86	43	4105	1.01	ug/l	92
29) Tetrahydrofuran	7.23	42	1331	0.61	ug/l #	53
31) Cyclohexane	7.67	56	11832	0.38	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44218	3.85	ug/l #	47
38) Carbon Tetrachloride	7.67	117	57043	4.76	ug/l #	17
43) Isopropyl Acetate	8.17	43	445068	31.15	ug/l #	90
48) Methyl methacrylate	9.18	41	11527	1.61	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2746	0.27	ug/l	92
54) cis-1,3-Dichloropropene	9.91	75	2928	0.22	ug/l #	74
56) Ethyl methacrylate	10.65	69	1064	1.80	ug/l #	1
59) 2-Hexanone	10.77	43	24556	3.42	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	211753	29.31	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5742	0.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	211753	102.98	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	311	0.21	ug/l #	1
95) Naphthalene	15.14	128	435	3.64	ug/l #	69

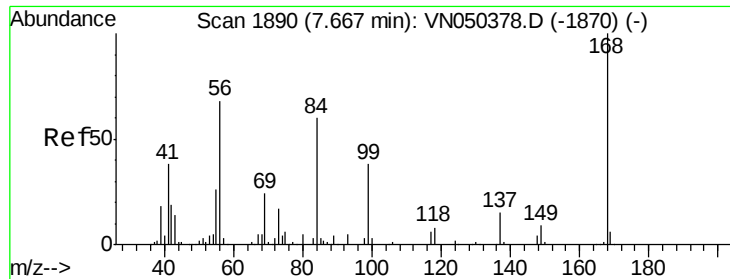
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080618\
Data File : VN050397.D
Acq On : 6 Aug 2018 20:49
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Sample : PB11760ZHE#12
Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Aug 07 05:51:12 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: VN050397.D

Acq: 6 Aug 2018 20:49

Instrument :

MSVOA_N

ClientSampleId :

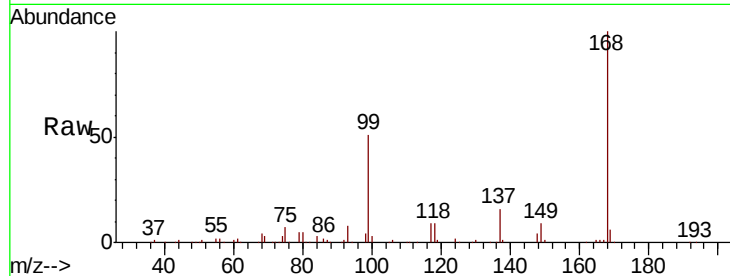
PB11760ZHE#12

Tot Ion:168 Resp: 612297

Ion Ratio Lower Upper

168 100

99 51.2 40.0 60.0



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

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

7.67

250000

200000

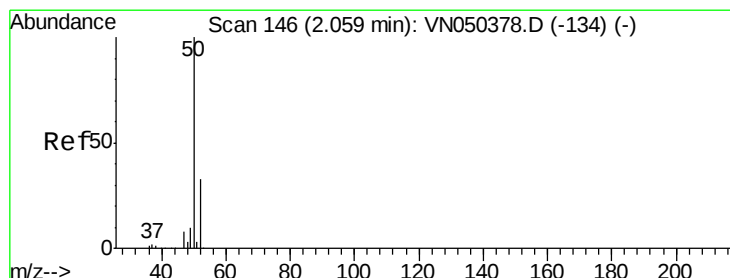
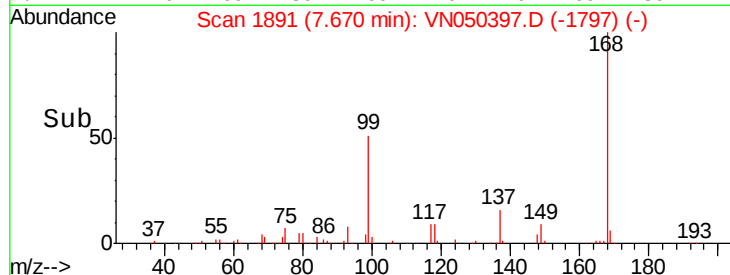
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050397.D

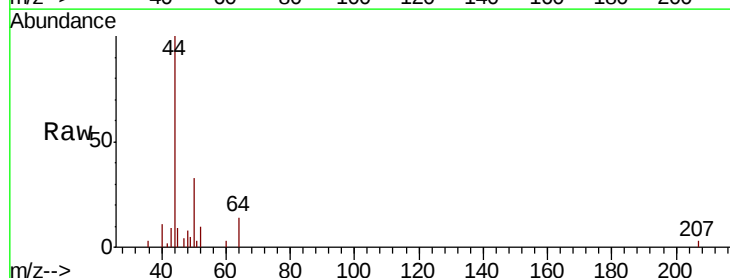
Acq: 6 Aug 2018 20:49

Tgt Ion: 50 Resp: 3491

Ion Ratio Lower Upper

50 100

52 31.8 25.9 38.9



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

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

2.06

2500

2000

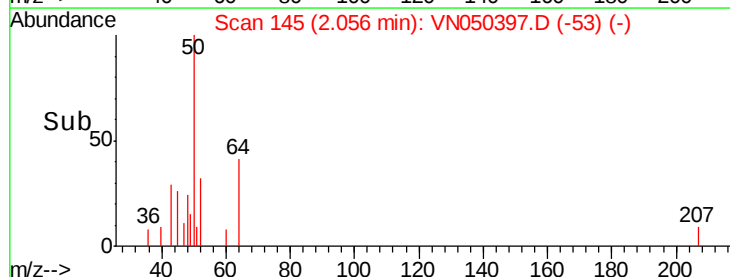
1500

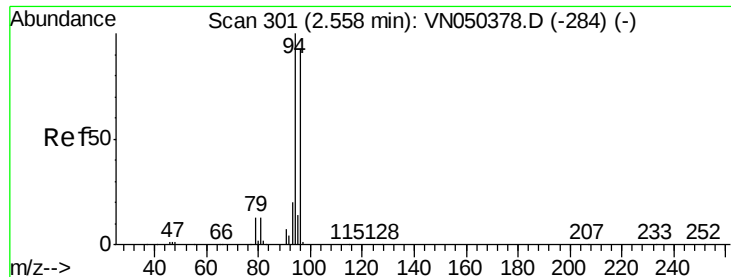
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.23 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

Instrument :

MSVOA_N

ClientSampleId :

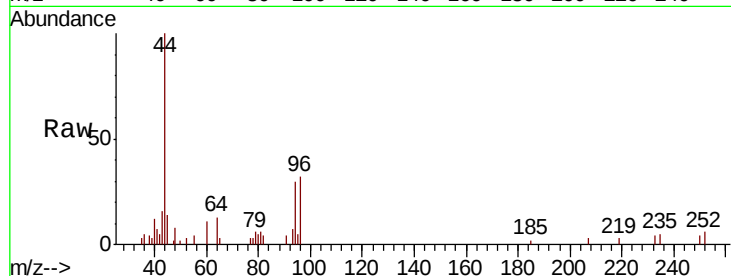
PB11760ZHE#12

Tot Ion: 94 Resp: 4523

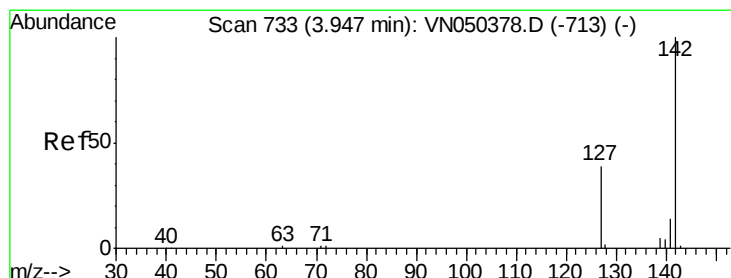
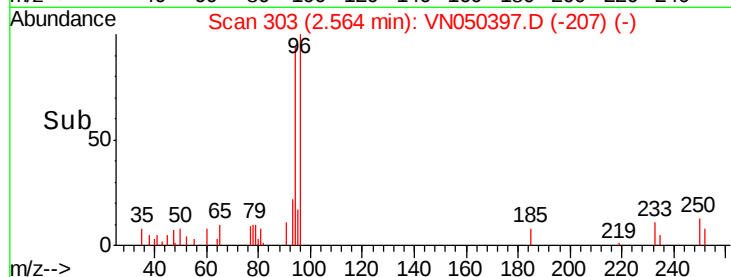
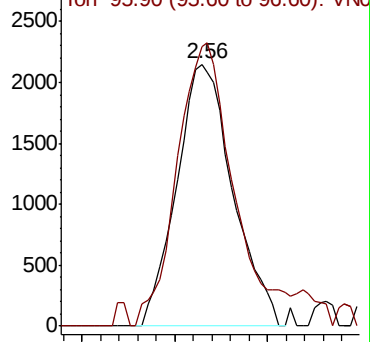
Ion Ratio Lower Upper

94 100

96 106.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050397.D (-207) (-)



#10

Methyl Iodide

Concen: 0.30 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

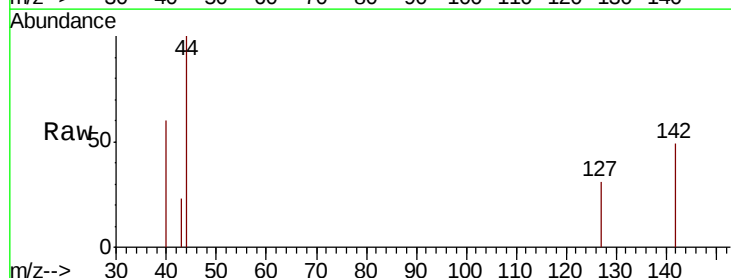
Tgt Ion: 142 Resp: 923

Ion Ratio Lower Upper

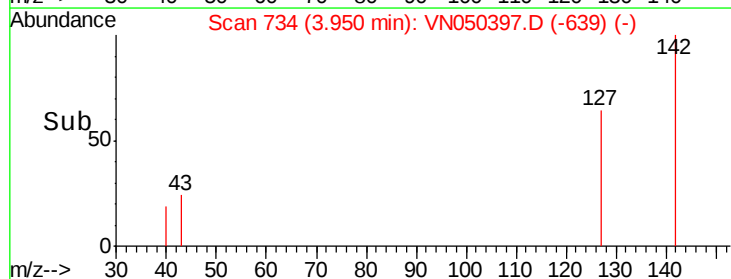
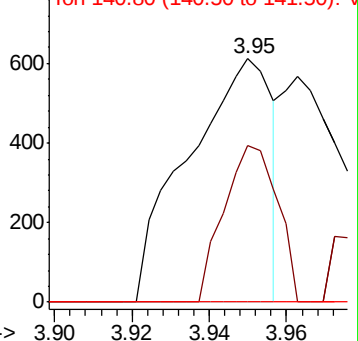
142 100

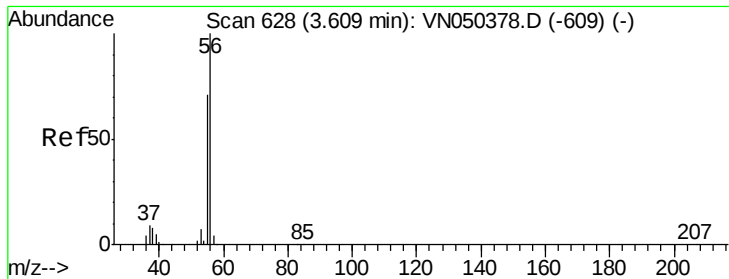
127 41.0 33.4 50.2

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050397.D (-639) (-)





#13

Acrolein

Concen: 15.10 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

Instrument :

MSVOA_N

ClientSampleId :

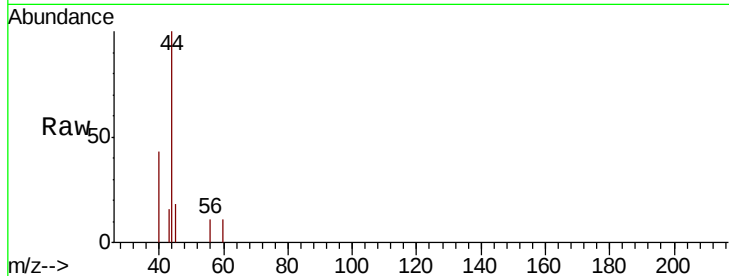
PB11760ZHE#12

Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

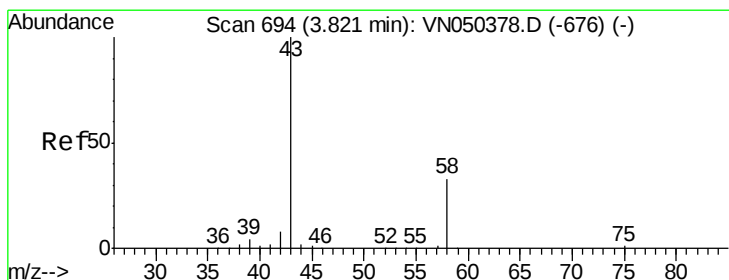
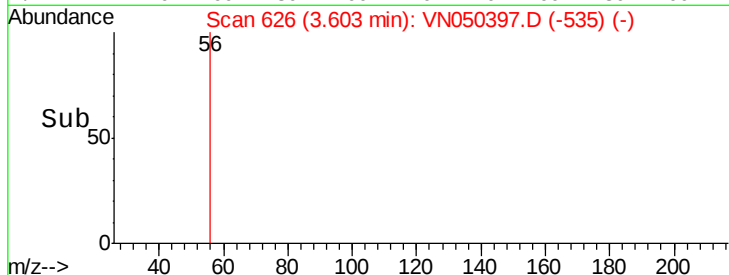
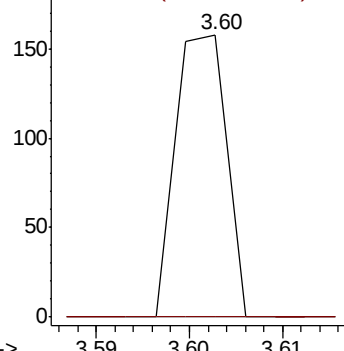
56 100

55 0.0 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: 8.05 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050397.D

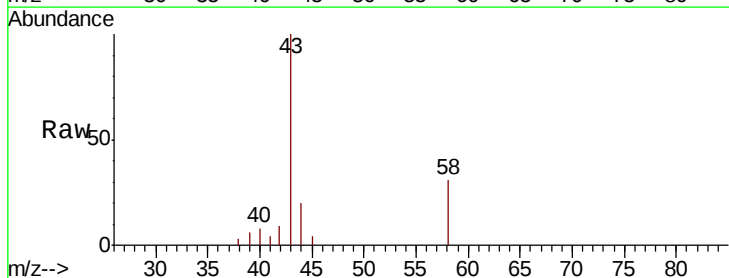
Acq: 6 Aug 2018 20:49

Tgt Ion: 43 Resp: 20489

Ion Ratio Lower Upper

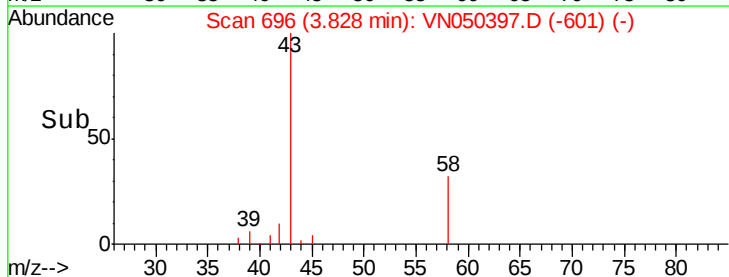
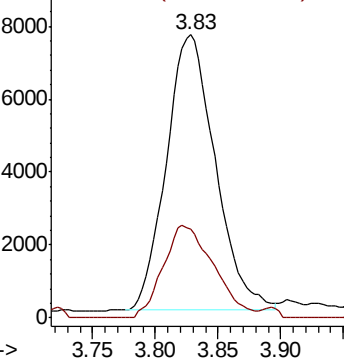
43 100

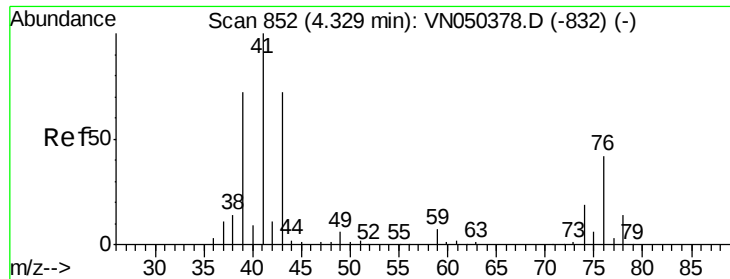
58 32.1 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

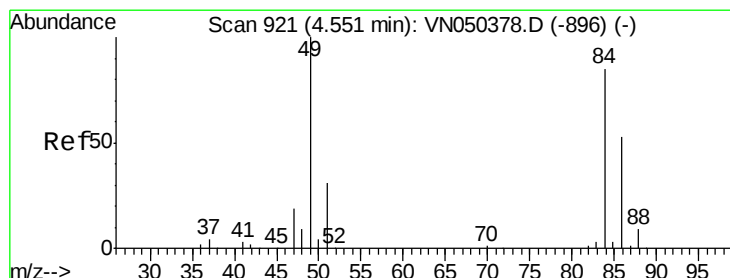
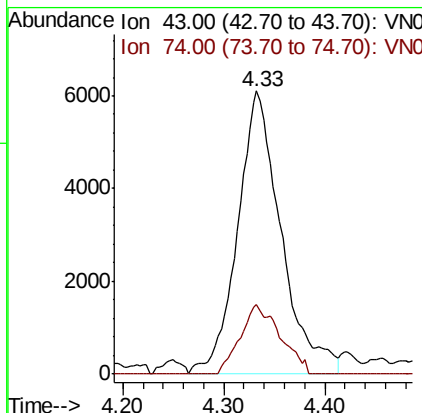
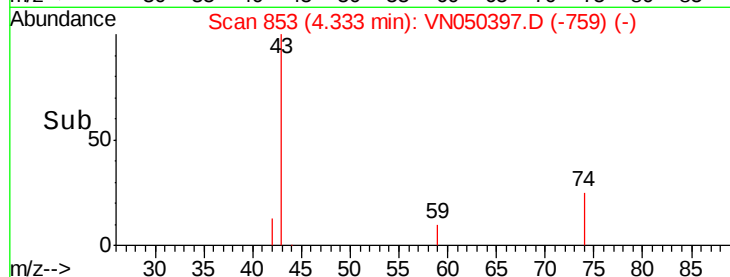
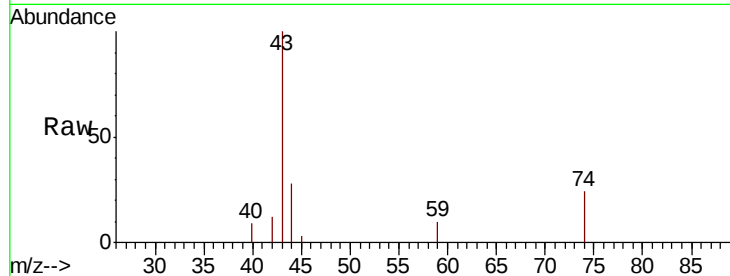




#18
Methyl Acetate
Concen: 2.70 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050397.D
Acq: 6 Aug 2018 20:49

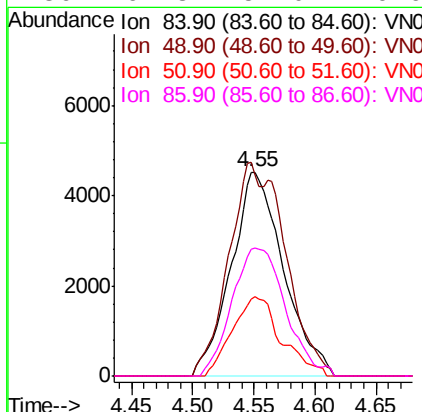
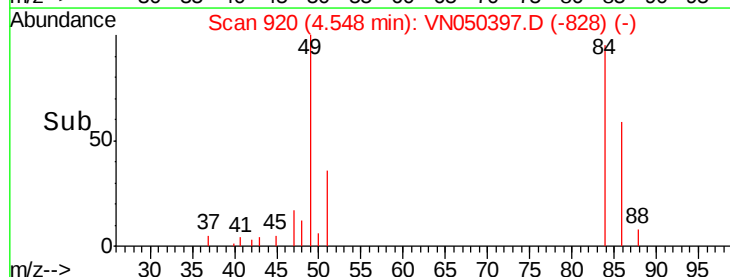
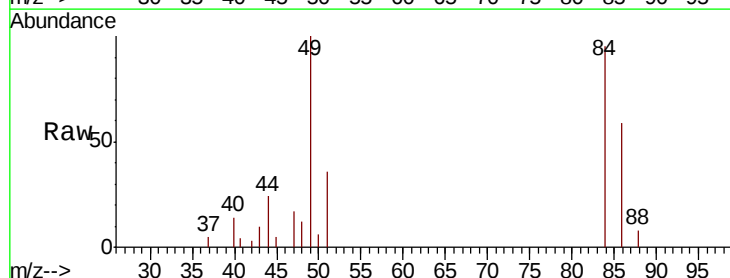
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#12

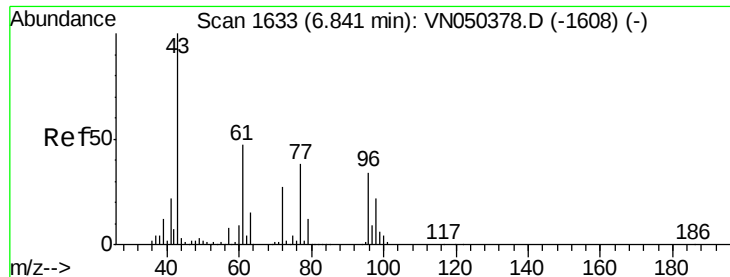
Tot Ion: 43 Resp: 18284
Ion Ratio Lower Upper
43 100
74 22.6 19.2 28.8



#20
Methylene Chloride
Concen: 0.26 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050397.D
Acq: 6 Aug 2018 20:49

Tgt Ion: 84 Resp: 13467
Ion Ratio Lower Upper
84 100
49 104.8 94.8 142.2
51 37.7 28.3 42.5
86 62.3 51.0 76.6

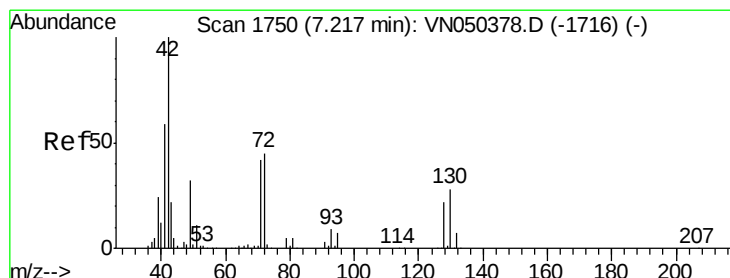
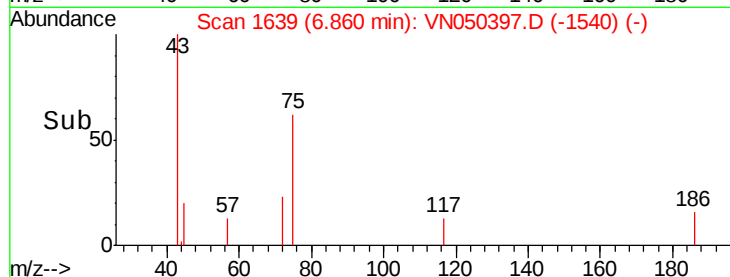
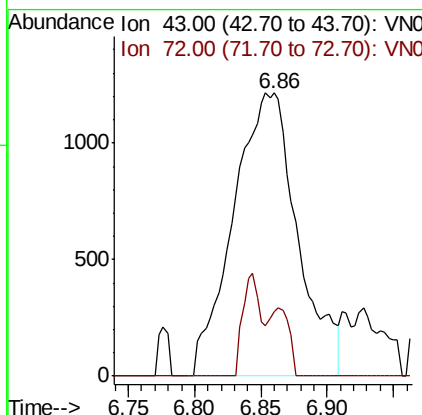
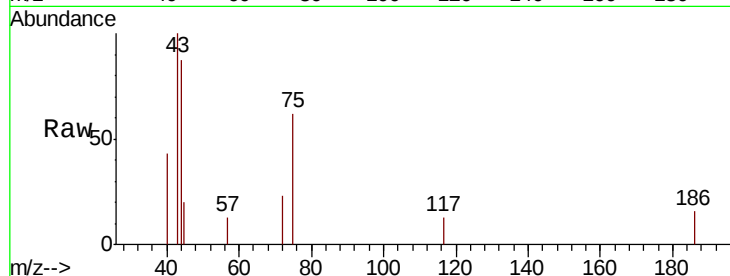




#25
2-Butanone
Concen: 1.01 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN050397.D
Acq: 6 Aug 2018 20:49

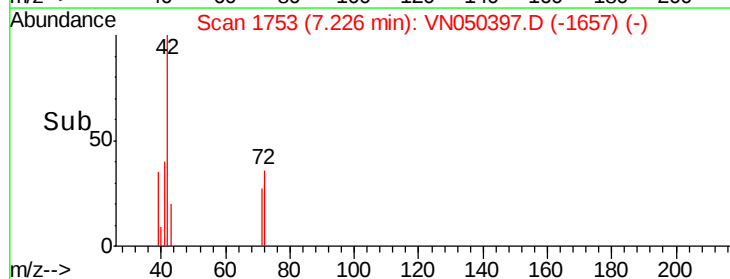
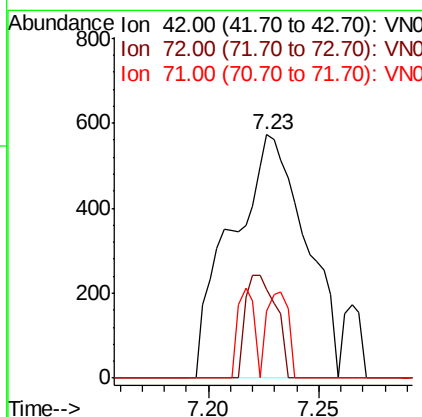
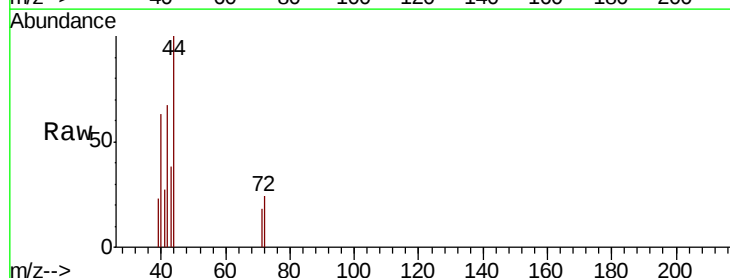
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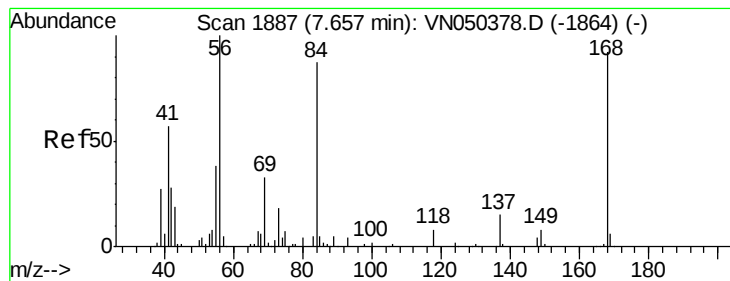
Tot Ion: 43 Resp: 4105
Ion Ratio Lower Upper
43 100
72 22.8 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.61 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN050397.D
Acq: 6 Aug 2018 20:49

Tgt Ion: 42 Resp: 1331
Ion Ratio Lower Upper
42 100
72 17.6 35.9 53.9#
71 8.3 33.7 50.5#





#31

Cyclohexane

Concen: 0.38 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#12

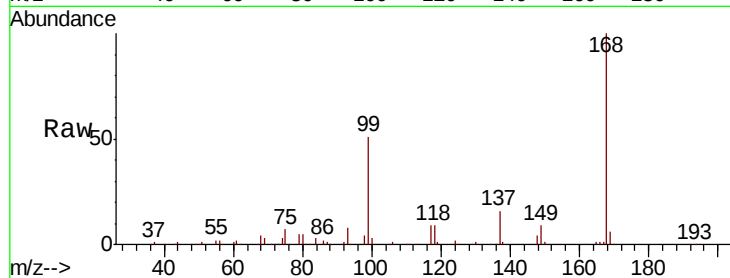
Tot Ion: 56 Resp: 11832

Ion Ratio Lower Upper

56 100

69 182.7 26.2 39.4#

84 141.0 67.4 101.0#

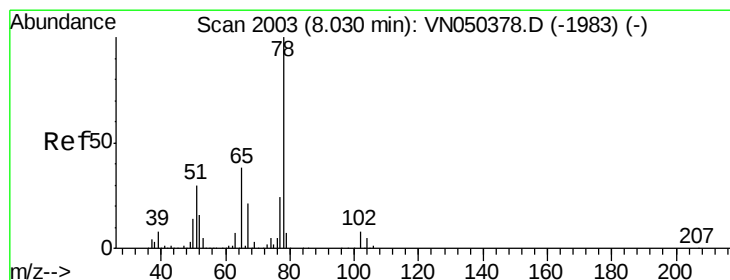
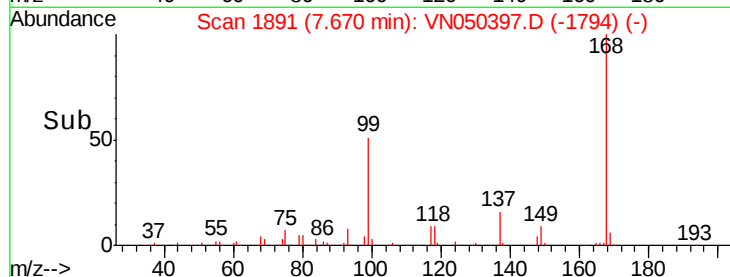
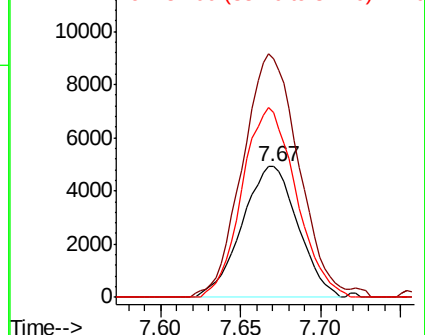


Abundance

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: 54.83 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050397.D

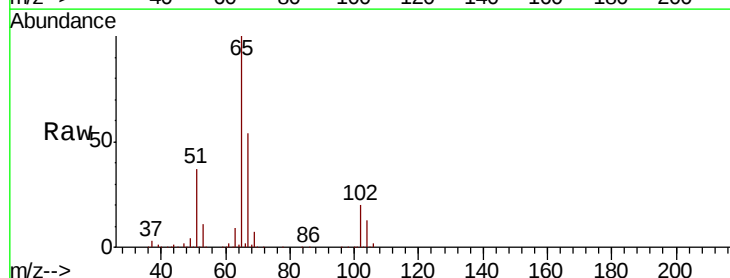
Acq: 6 Aug 2018 20:49

Tgt Ion: 65 Resp: 448563

Ion Ratio Lower Upper

65 100

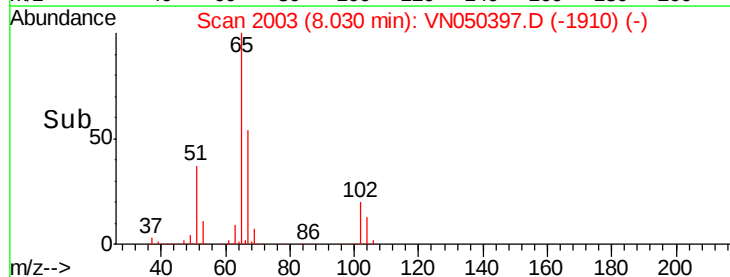
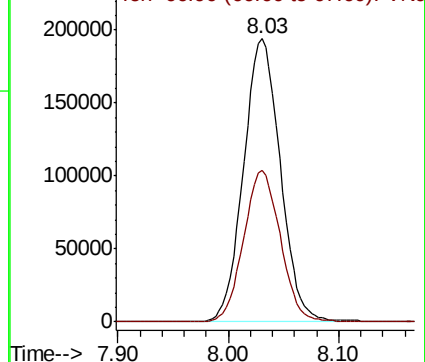
67 53.5 0.0 108.4

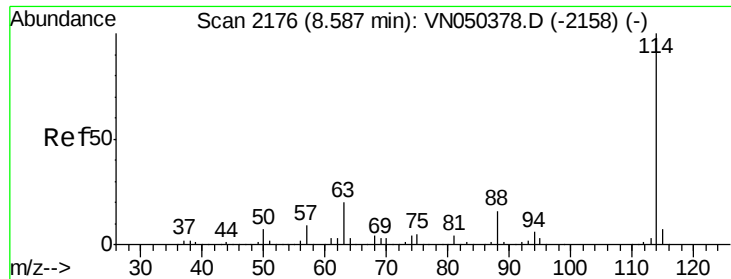


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

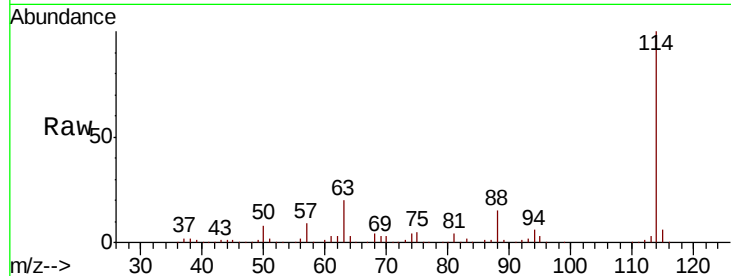




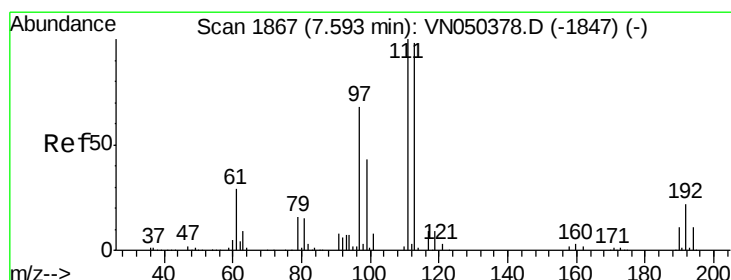
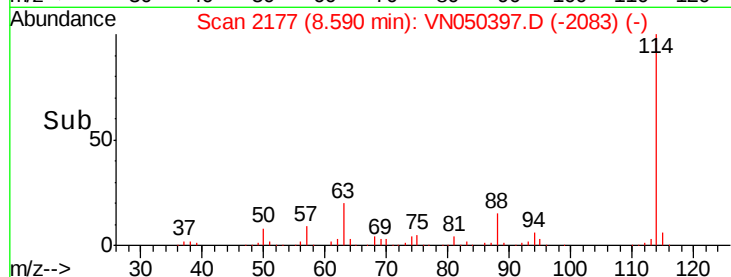
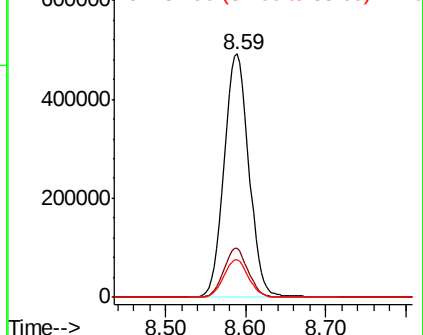
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050397.D
 Acq: 6 Aug 2018 20:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#12

Tot Ion:114 Resp: 1046073
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.3 0.0 31.2

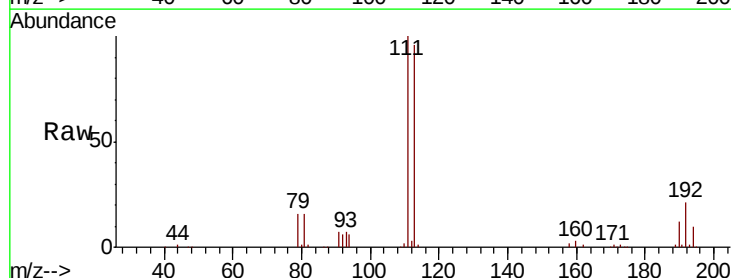


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

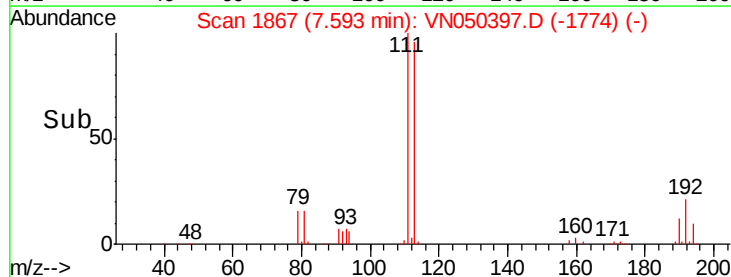
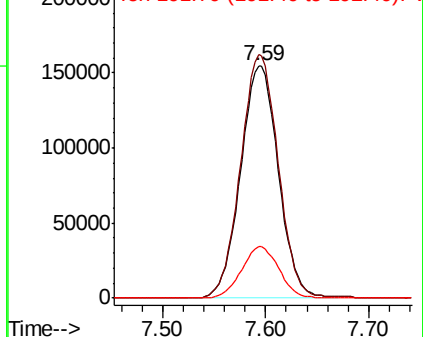


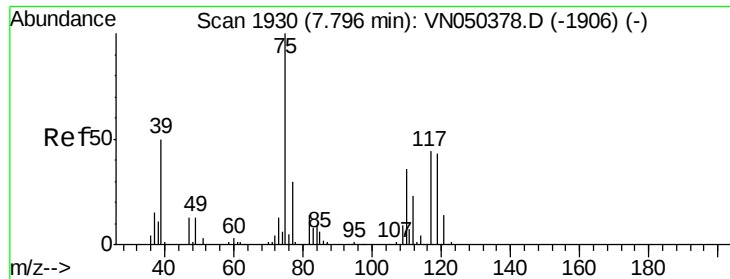
#35
 Dibromofluoromethane
 Concen: 47.03 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050397.D
 Acq: 6 Aug 2018 20:49

Tgt Ion:113 Resp: 394752
 Ion Ratio Lower Upper
 113 100
 111 104.3 80.7 121.1
 192 22.0 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

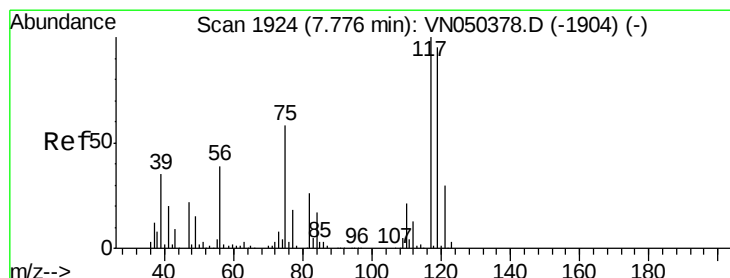
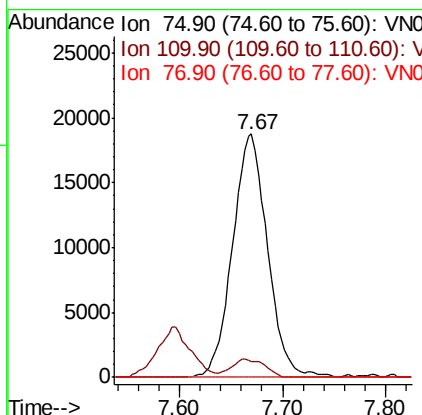
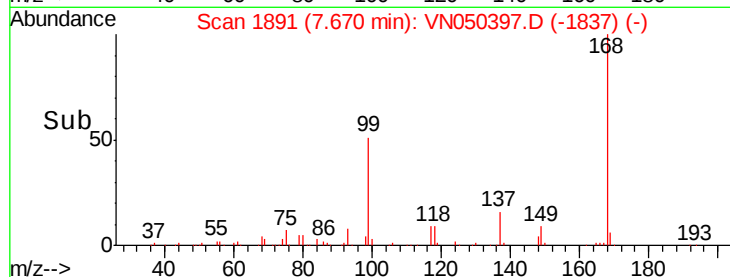
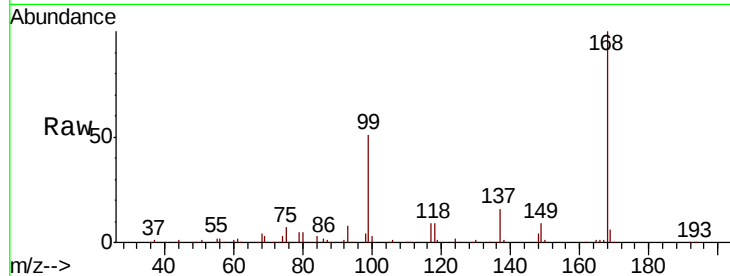




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050397.D
 Acq: 6 Aug 2018 20:49

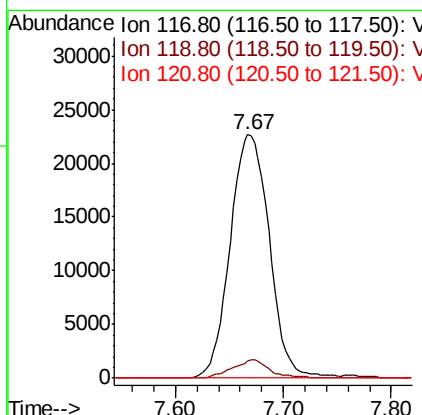
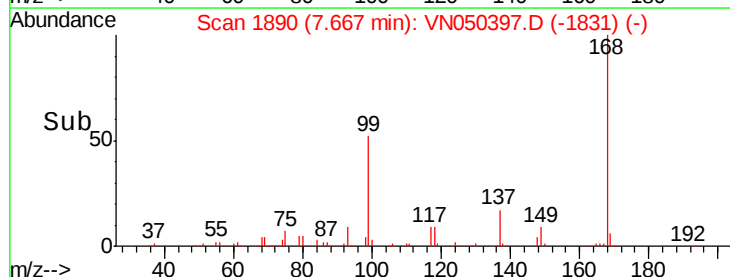
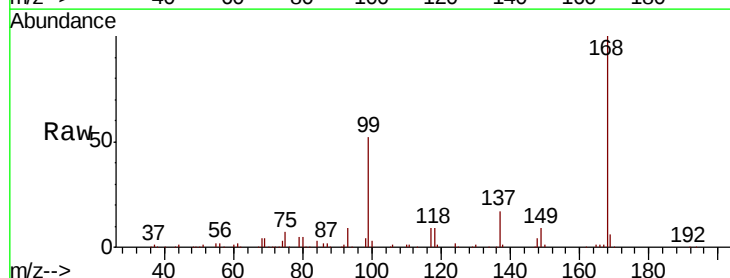
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#12

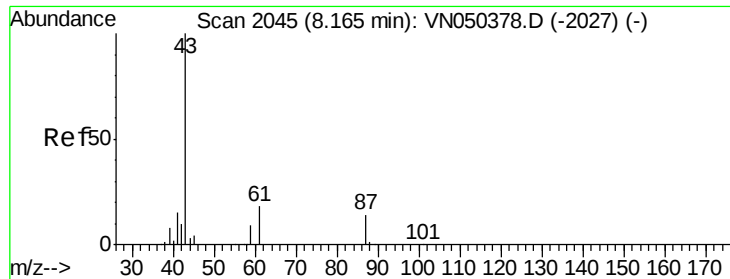
Tot Ion: 75 Resp: 44218
 Ion Ratio Lower Upper
 75 100
 110 7.1 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.76 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050397.D
 Acq: 6 Aug 2018 20:49

Tgt Ion: 117 Resp: 57043
 Ion Ratio Lower Upper
 117 100
 119 7.0 77.4 116.0#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 31.15 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.01 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#12

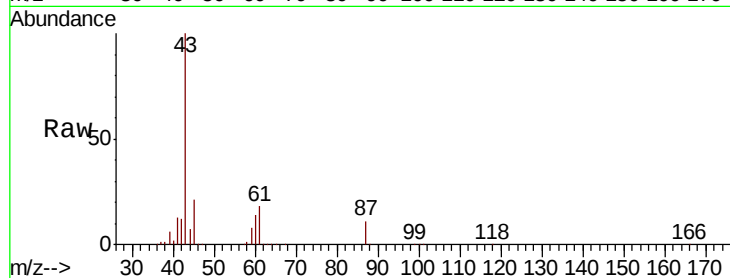
Tot Ion: 43 Resp: 445068

Ion Ratio Lower Upper

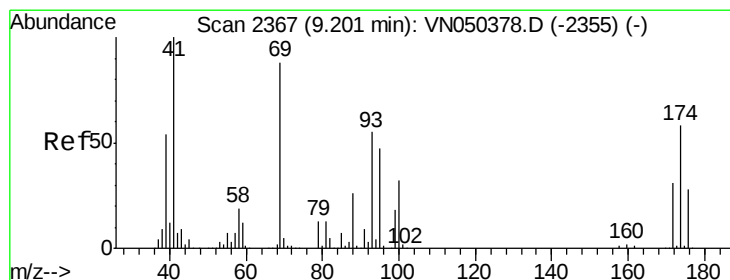
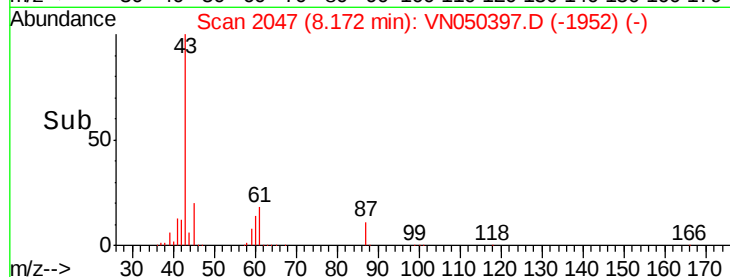
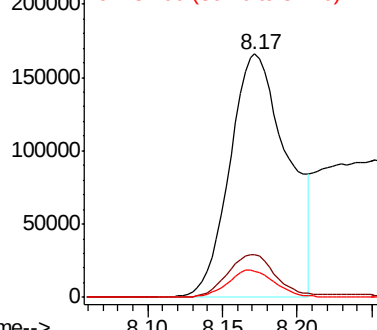
43 100

61 14.9 15.8 23.6#

87 9.2 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 1.61 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

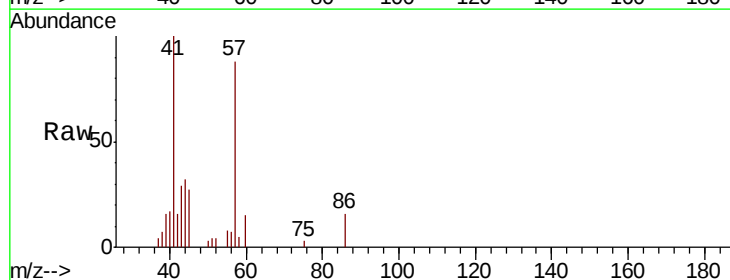
Tgt Ion: 41 Resp: 11527

Ion Ratio Lower Upper

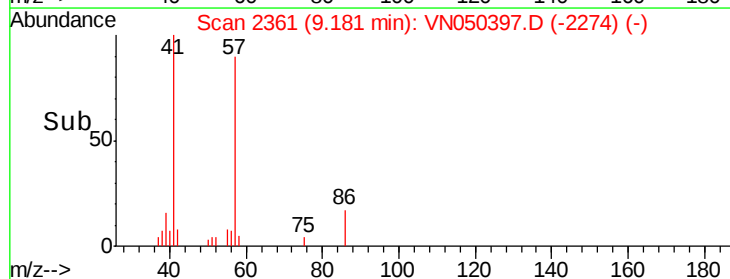
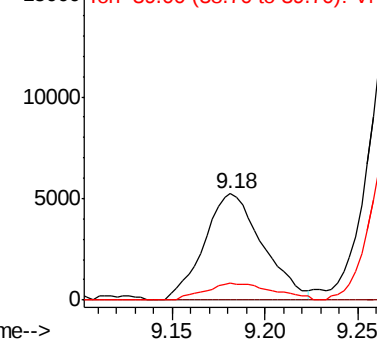
41 100

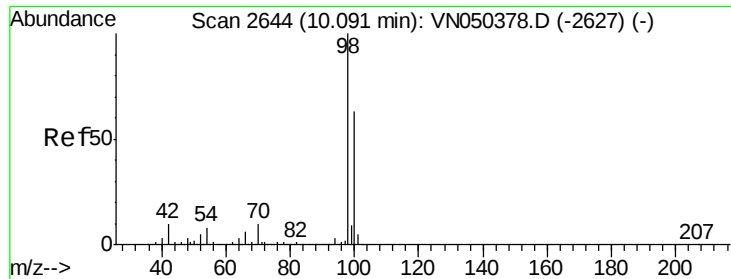
69 0.0 70.6 105.8#

39 18.5 43.9 65.9#



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

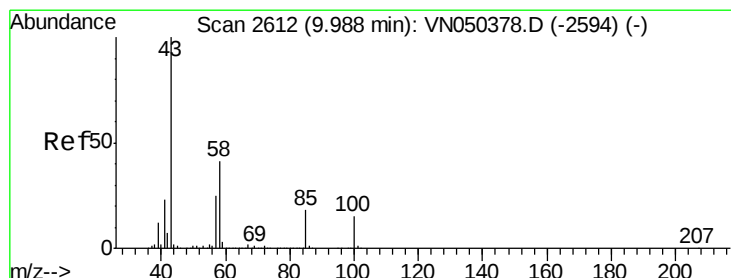
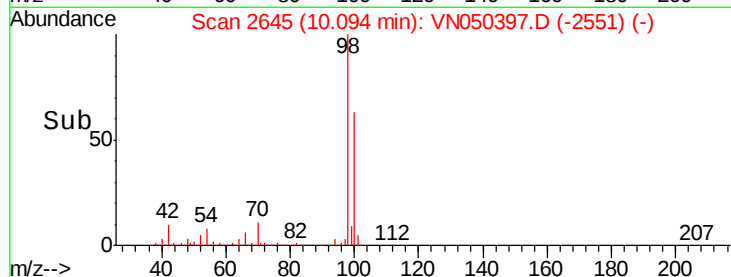
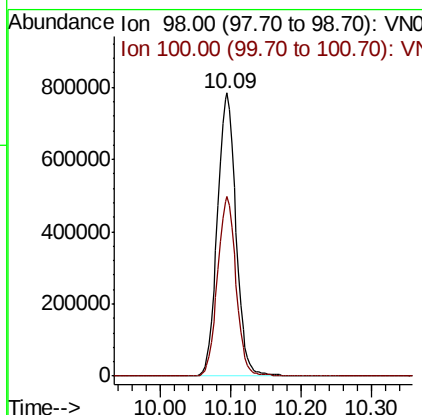
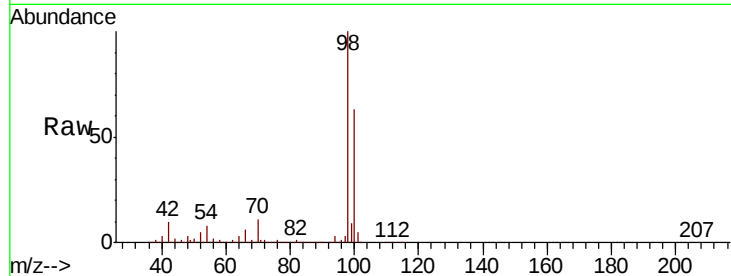




#50
Toluene-d8
Concen: 45.66 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050397.D
Acq: 6 Aug 2018 20:49

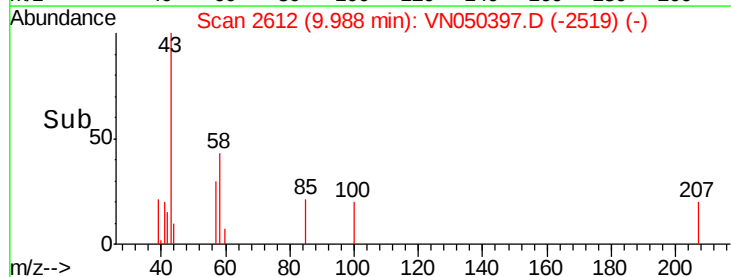
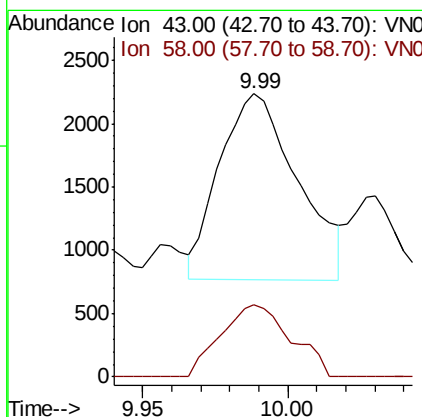
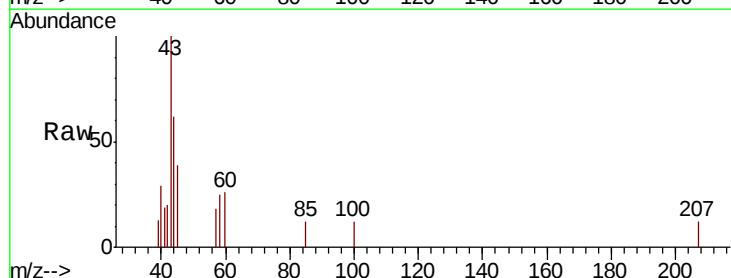
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#12

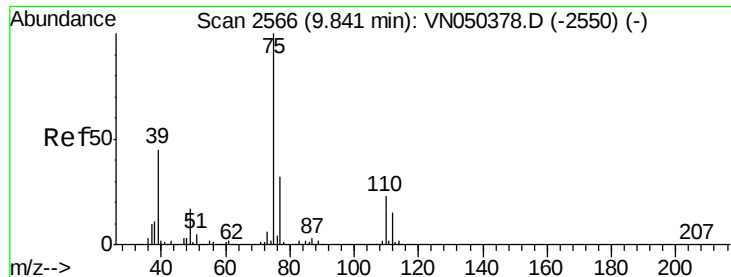
Tot Ion: 98 Resp: 1440856
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.27 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050397.D
Acq: 6 Aug 2018 20:49

Tgt Ion: 43 Resp: 2746
Ion Ratio Lower Upper
43 100
58 34.9 31.9 47.9



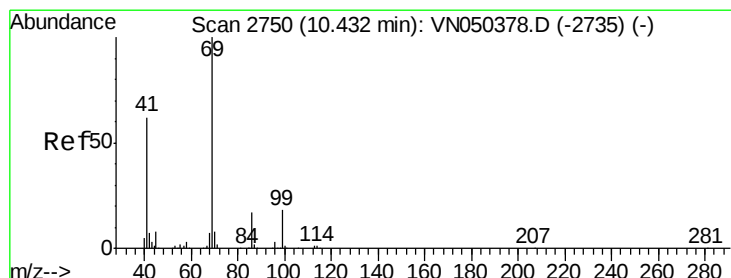
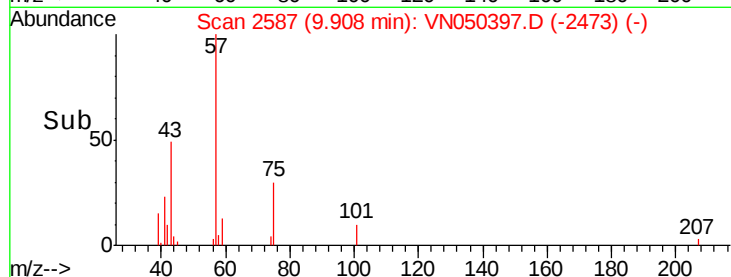
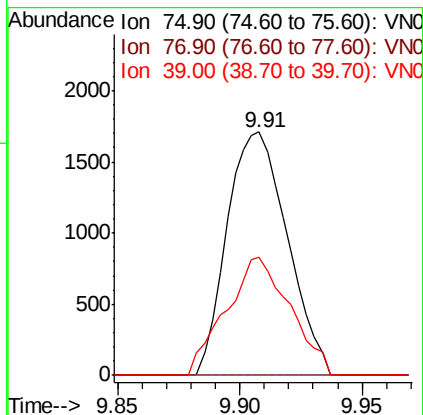
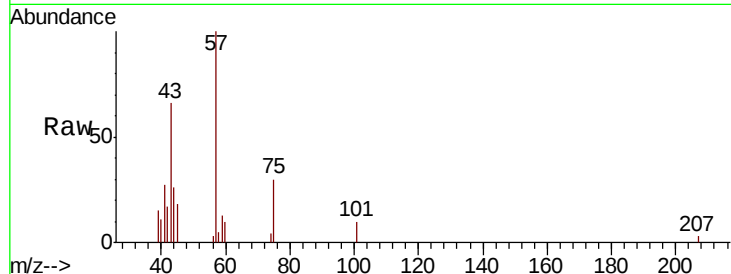


#54

cis-1,3-Dichloropropene
 Concen: 0.22 ug/l
 RT: 9.91 min Scan# 2587
 Delta R.T. 0.07 min
 Lab File: VN050397.D
 Acq: 6 Aug 2018 20:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#12

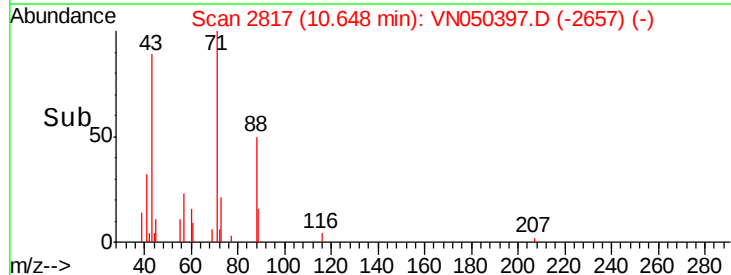
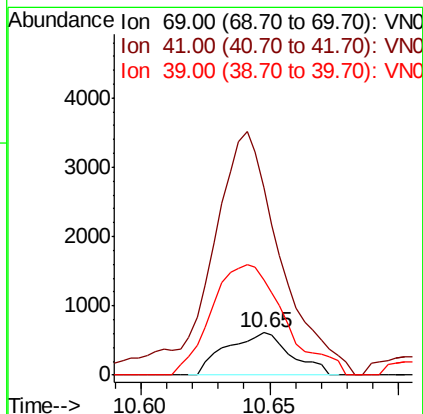
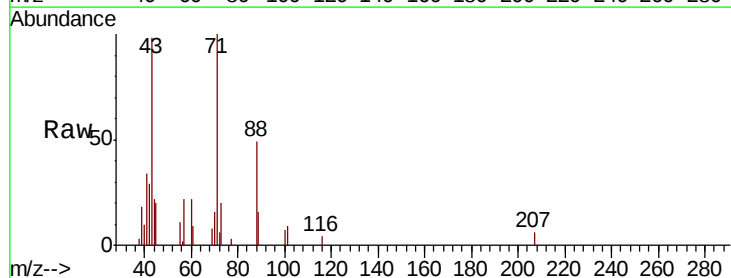
Tot Ion: 75 Resp: 2928
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 48.7 36.6 55.0

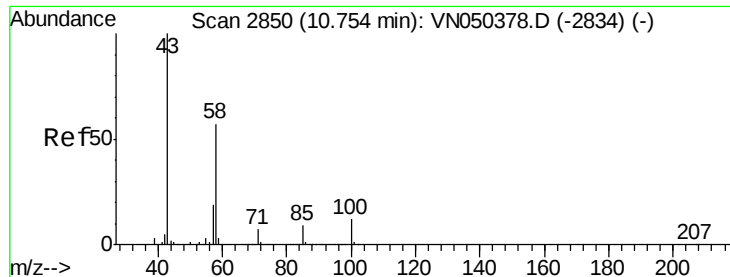


#56

Ethyl methacrylate
 Concen: 1.80 ug/l
 RT: 10.65 min Scan# 2817
 Delta R.T. 0.22 min
 Lab File: VN050397.D
 Acq: 6 Aug 2018 20:49

Tgt Ion: 69 Resp: 1064
 Ion Ratio Lower Upper
 69 100
 41 628.7 51.0 76.4#
 39 295.7 26.6 40.0#





#59

2-Hexanone

Concen: 3.42 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

Instrument :

MSVOA_N

ClientSampleId :

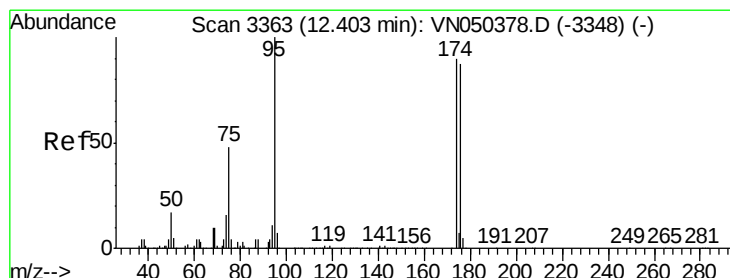
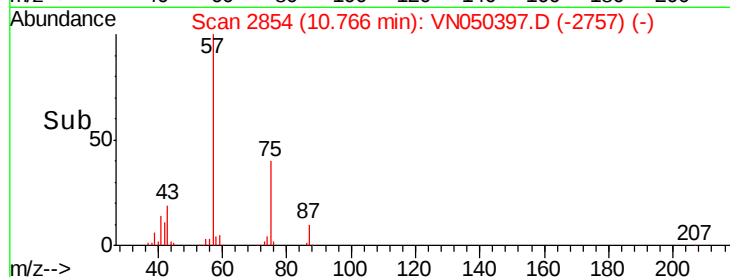
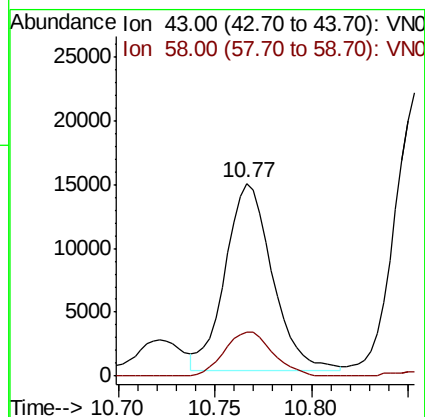
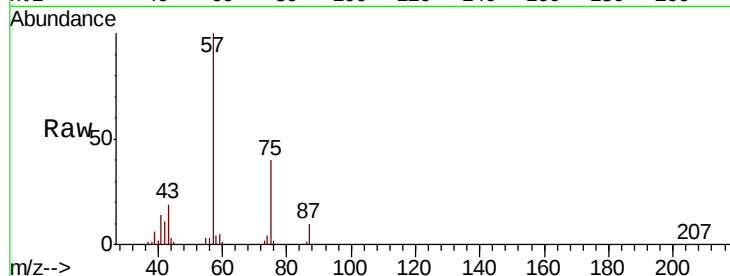
PB11760ZHE#12

Tot Ion: 43 Resp: 24556

Ion Ratio Lower Upper

43 100

58 24.5 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 40.44 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

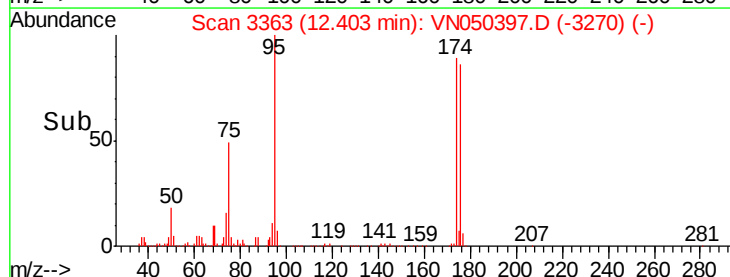
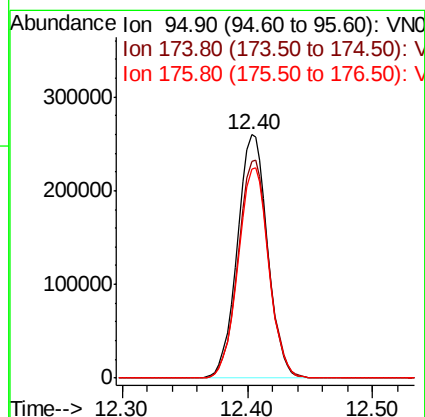
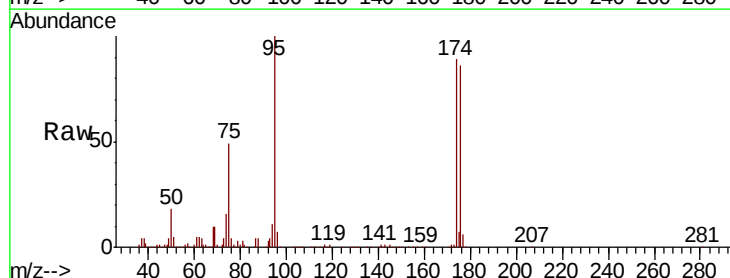
Tgt Ion: 95 Resp: 434987

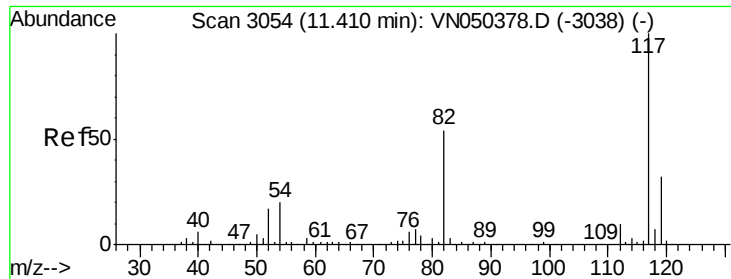
Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.2

176 87.5 0.0 173.4

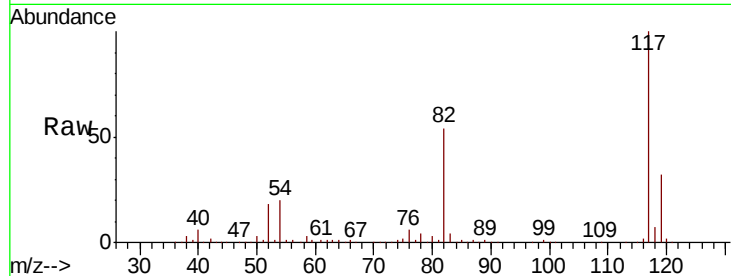




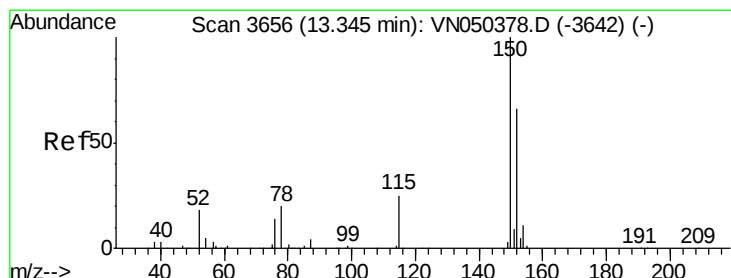
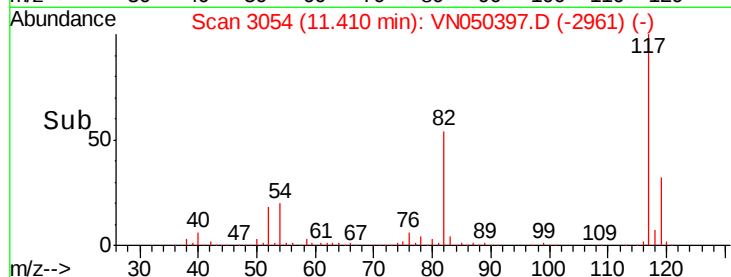
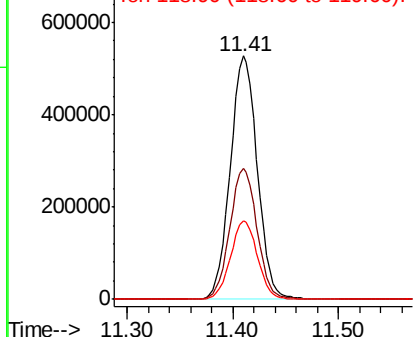
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050397.D
Acq: 6 Aug 2018 20:49

Instrument :
MSVOA_N
ClientSampled :
PB11760ZHE#12

Tot Ion:117 Resp: 933470
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.5 26.1 39.1

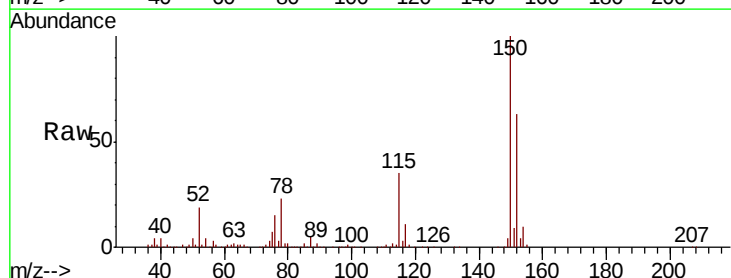


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

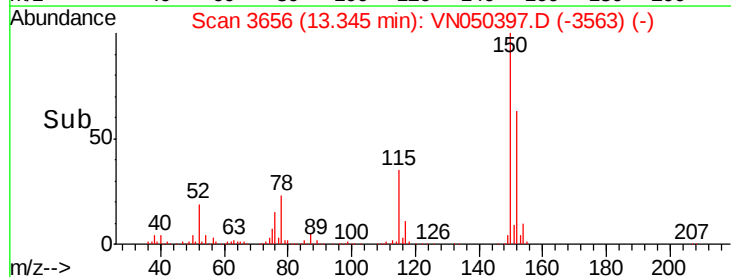
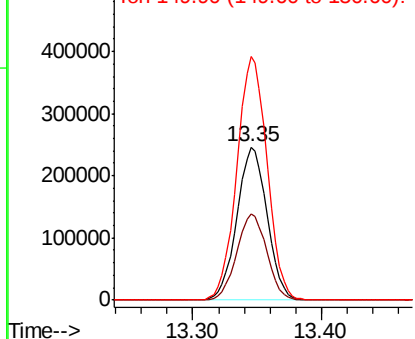


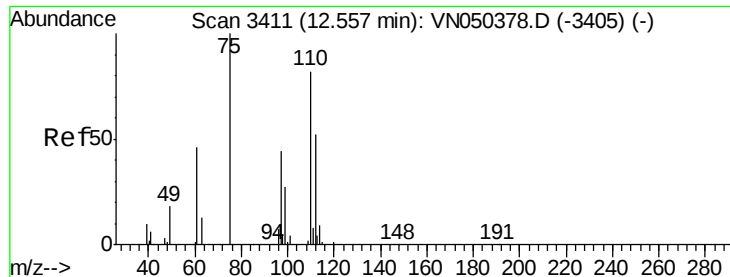
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050397.D
Acq: 6 Aug 2018 20:49

Tgt Ion:152 Resp: 399144
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.3
150 159.4 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: 29.31 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

Instrument :

MSVOA_N

ClientSampleId :

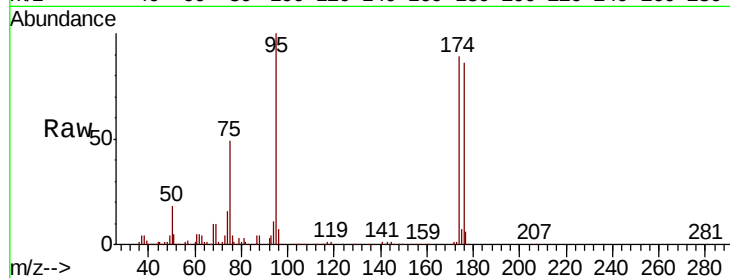
PB11760ZHE#12

Tot Ion: 75 Resp: 211753

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050397.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN050397.D (-3318) (-)

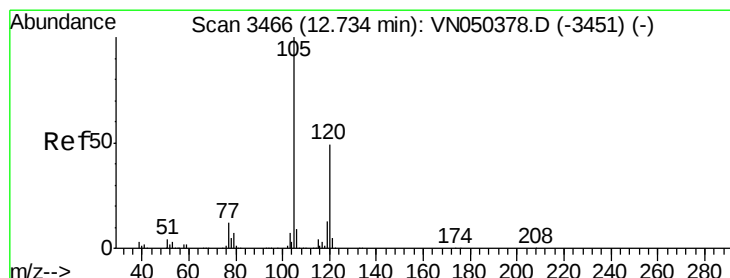
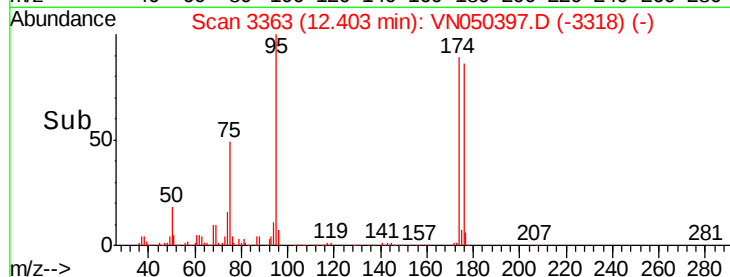
12.40

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.24 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050397.D

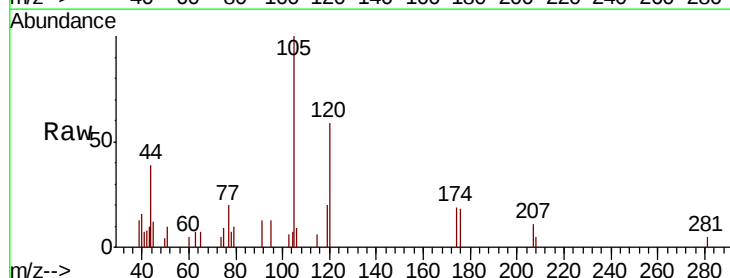
Acq: 6 Aug 2018 20:49

Tgt Ion: 105 Resp: 5742

Ion Ratio Lower Upper

105 100

120 48.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050397.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN050397.D (-3373) (-)

12.73

4000

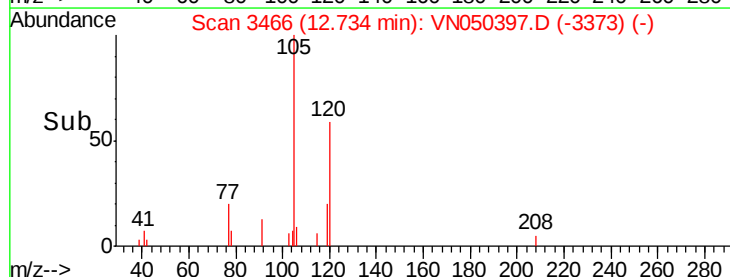
3000

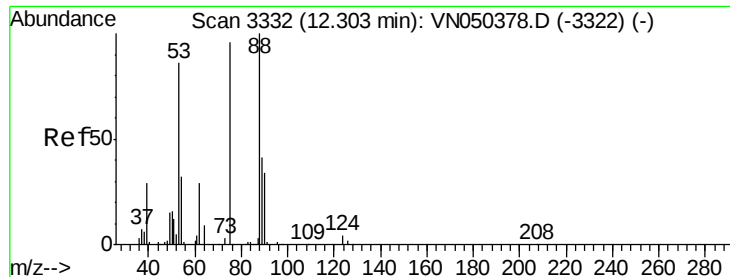
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 102.98 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#12

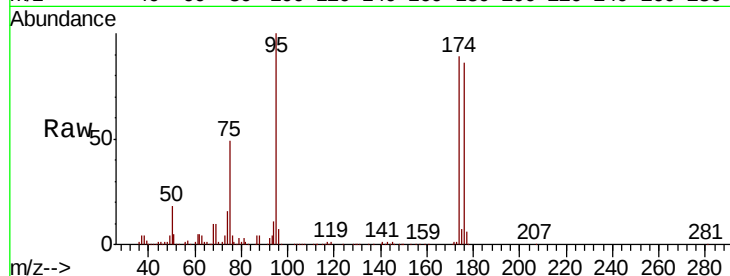
Tot Ion: 75 Resp: 211753

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

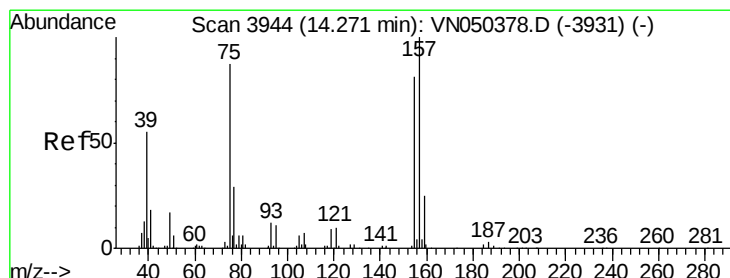
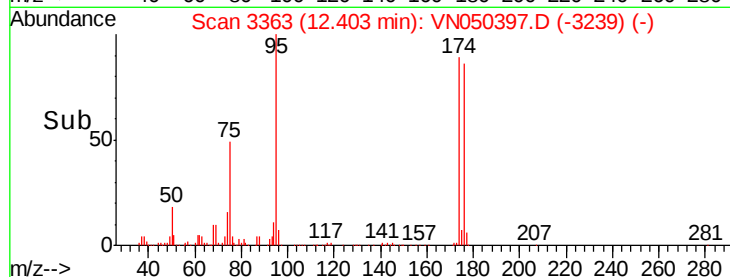
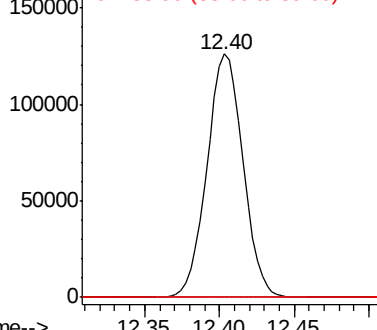
89 0.0 36.0 54.0#



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: 0.21 ug/l

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN050397.D

Acq: 6 Aug 2018 20:49

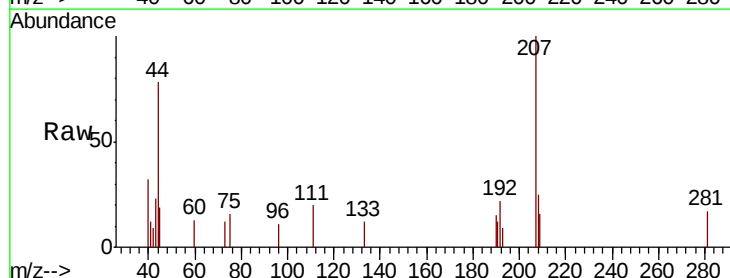
Tgt Ion: 75 Resp: 311

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

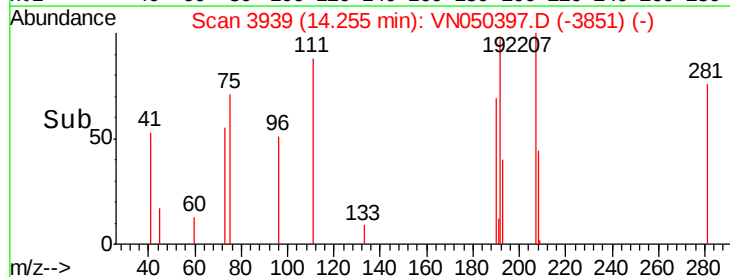
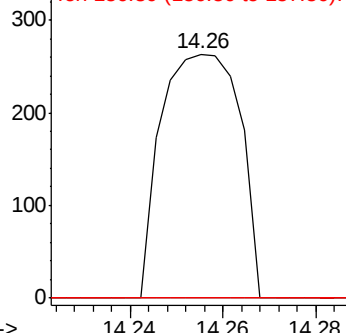
157 0.0 57.2 171.6#

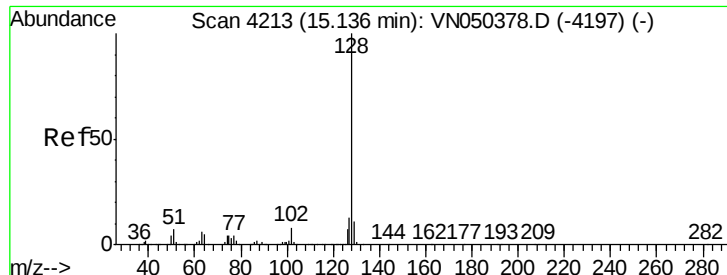


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 3.64 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.01 min
Lab File: VN050397.D
Acq: 6 Aug 2018 20:49

Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#12

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

