

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050494.D
 Acq On : 9 Aug 2018 18:45
 Operator : MD\SY
 Sample : J4271-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:06:11 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	725692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1178942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1034564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	416193	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	491158	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	7.59	113	445039	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
50) Toluene-d8	10.09	98	1612847	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	
62) 4-Bromofluorobenzene	12.40	95	475167	39.20	ug/l	0.00
Spiked Amount			Recovery	=	78.40%	

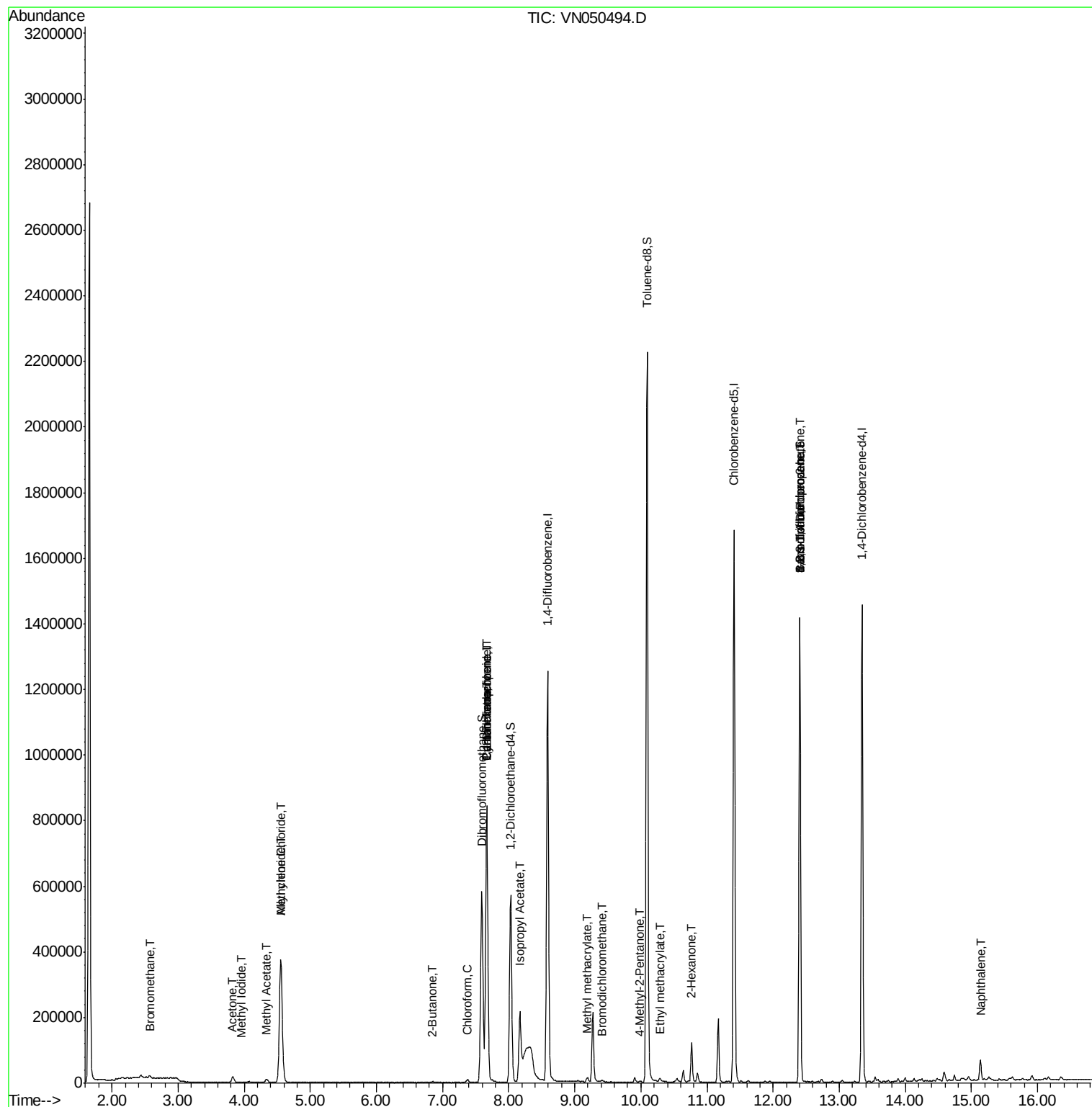
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3375	Below Cal		92
5) Bromomethane	2.57	94	4658	1.09 ug/l		86
10) Methyl Iodide	3.95	142	1112	0.30 ug/l #		68
14) Allyl chloride	4.55	41	10194	0.81 ug/l #		24
16) Acetone	3.82	43	31472	10.54 ug/l		97
18) Methyl Acetate	4.34	43	16578	2.02 ug/l		98
20) Methylene Chloride	4.55	84	300946	33.52 ug/l		97
25) 2-Butanone	6.85	43	3915	0.81 ug/l #		77
30) Chloroform	7.37	83	10816	0.69 ug/l		85
31) Cyclohexane	7.67	56	12434	0.27 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	49432	3.82 ug/l #		48
38) Carbon Tetrachloride	7.67	117	64797	4.80 ug/l #		16
43) Isopropyl Acetate	8.17	43	266580	16.55 ug/l		98
47) Bromodichloromethane	9.40	83	2736	0.20 ug/l #		95
48) Methyl methacrylate	9.18	41	8991	1.11 ug/l #		22
51) 4-Methyl-2-Pentanone	9.99	43	3078	0.27 ug/l		89
56) Ethyl methacrylate	10.28	69	152	1.72 ug/l #		1
59) 2-Hexanone	10.77	43	16717	2.07 ug/l #		58
71) Bromoform	12.40	173	4000	0.58 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	225321	29.91 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	225321	105.09 ug/l #		13
95) Naphthalene	15.14	128	55769	6.19 ug/l		99

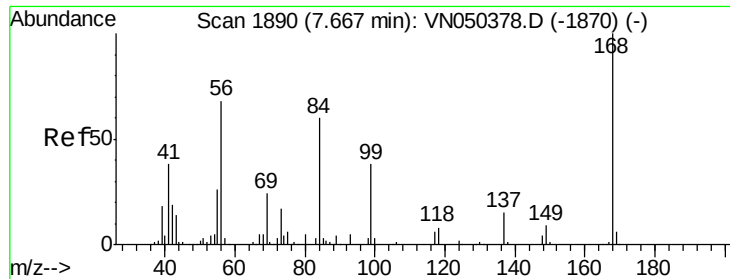
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 9 Aug 2018 18:45
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

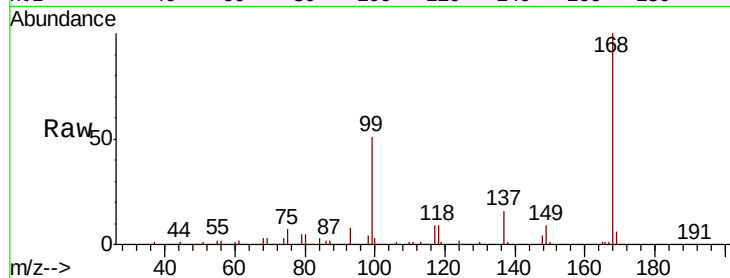
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 725692

Ion Ratio Lower Upper

168 100

99 50.7 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

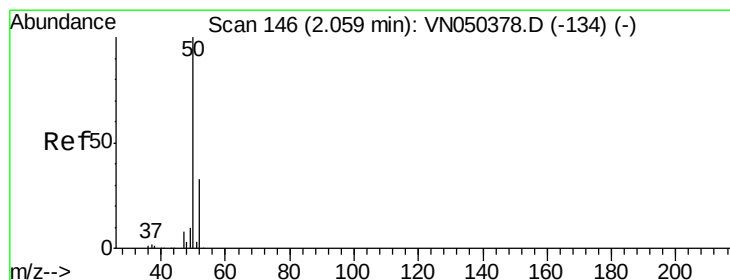
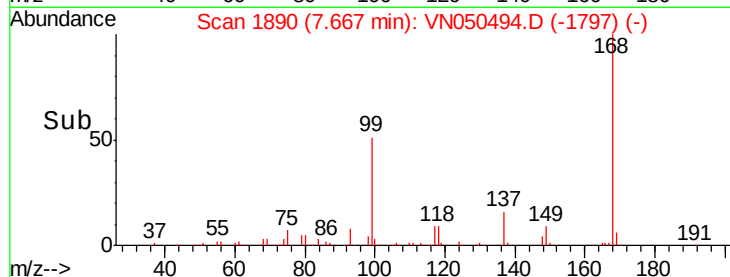
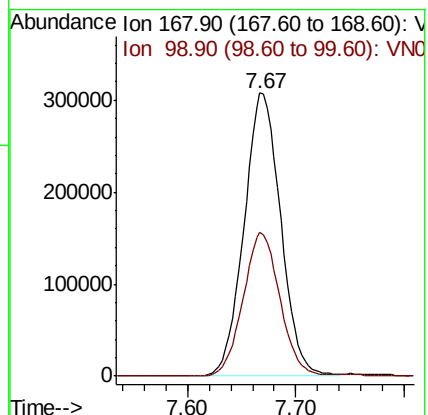
300000

200000

100000

0

7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050494.D

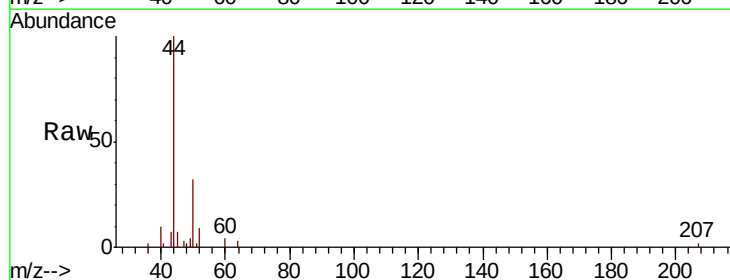
Acq: 9 Aug 2018 18:45

Tgt Ion: 50 Resp: 3375

Ion Ratio Lower Upper

50 100

52 28.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

3000

2500

2000

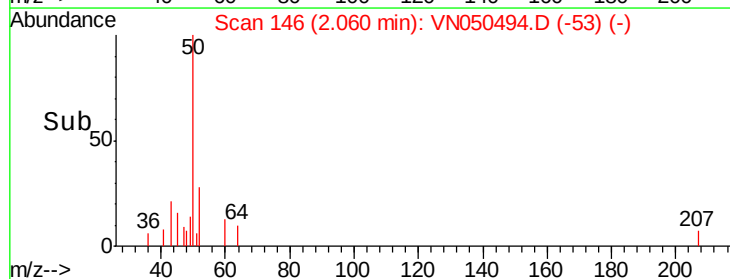
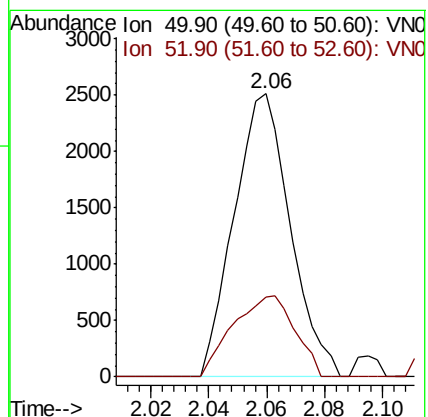
1500

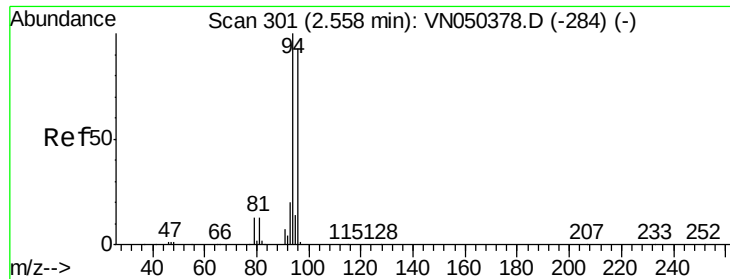
1000

500

0

2.02 2.04 2.06 2.08 2.10





#5

Bromomethane

Concen: 1.09 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

Instrument :

MSVOA_N

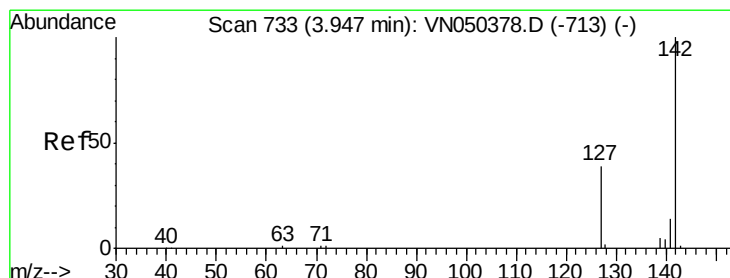
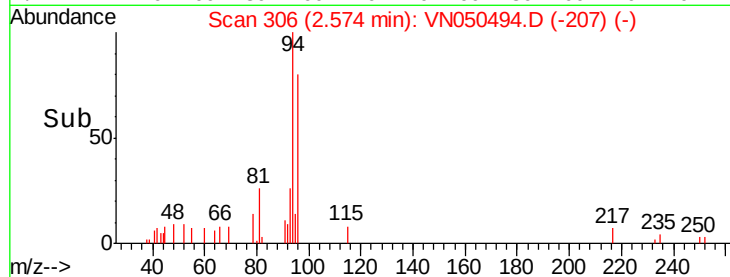
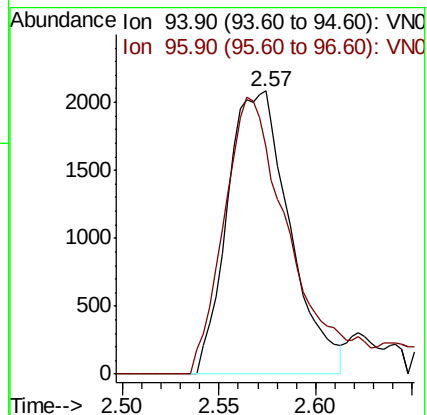
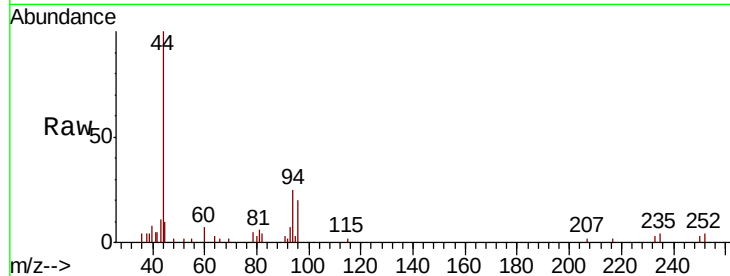
ClientSampled :

Tot Ion: 94 Resp: 4658

Ion Ratio Lower Upper

94 100

96 80.3 74.6 112.0



#10

Methyl Iodide

Concen: 0.30 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

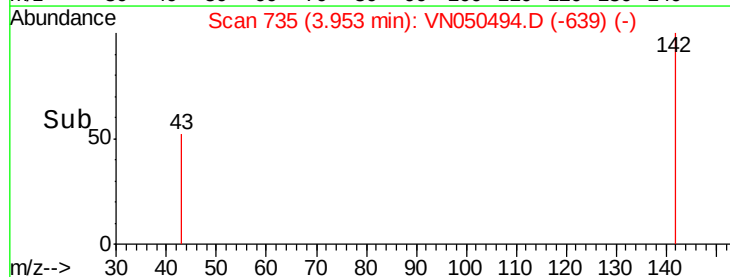
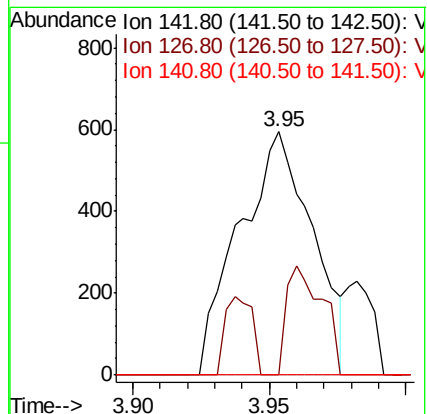
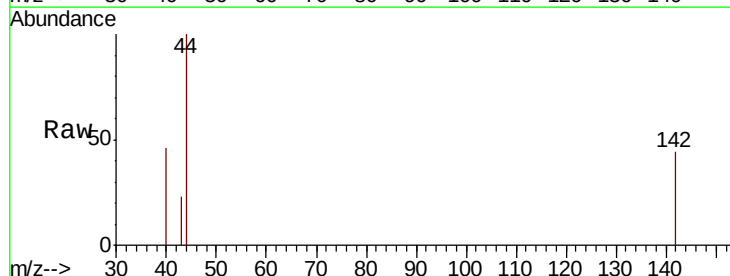
Tgt Ion: 142 Resp: 1112

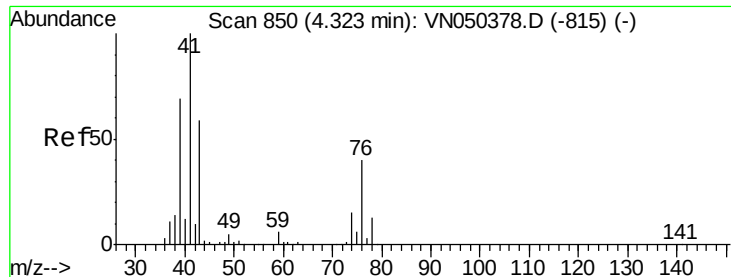
Ion Ratio Lower Upper

142 100

127 21.9 33.4 50.2#

141 0.0 11.6 17.4#





#14

Allvl chloride

Concen: 0.81 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.23 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

Instrument :

MSVOA_N

ClientSampleId :

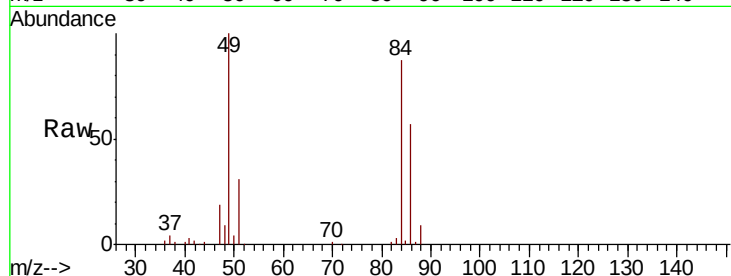
Tot Ion: 41 Resp: 10194

Ion Ratio Lower Upper

41 100

39 0.0 54.2 81.4#

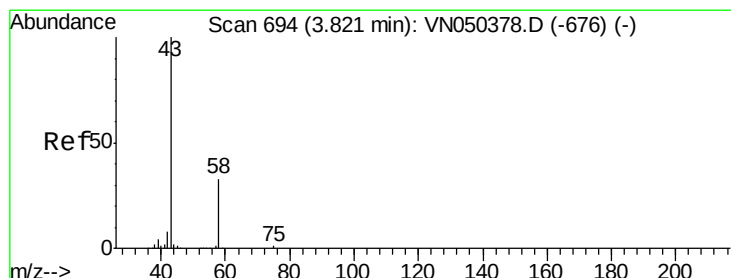
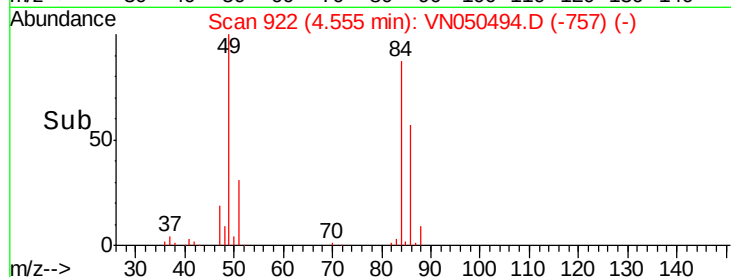
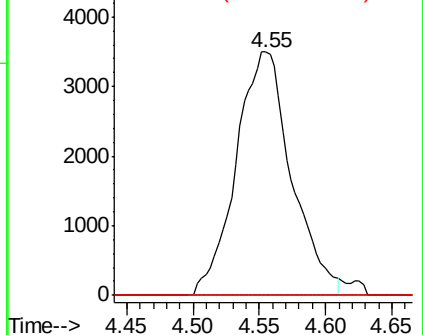
76 0.0 29.0 43.6#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 10.54 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050494.D

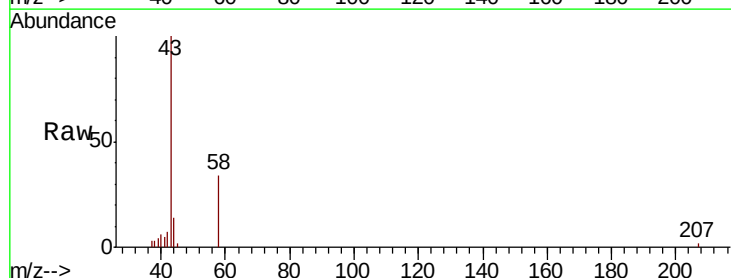
Acq: 9 Aug 2018 18:45

Tgt Ion: 43 Resp: 31472

Ion Ratio Lower Upper

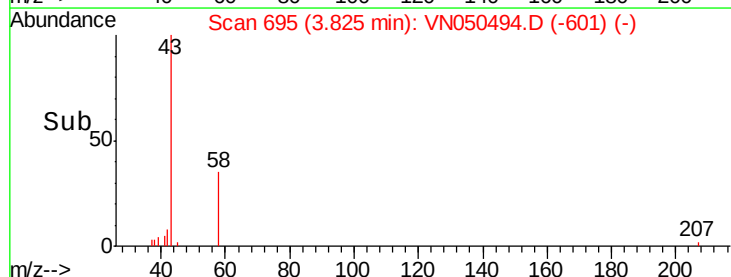
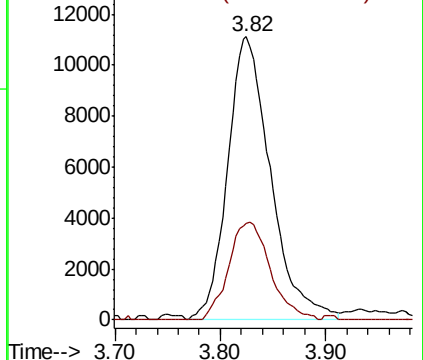
43 100

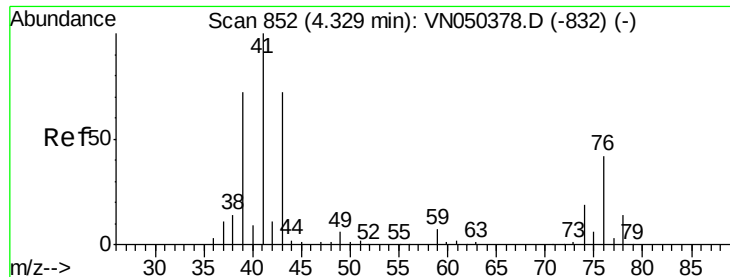
58 33.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

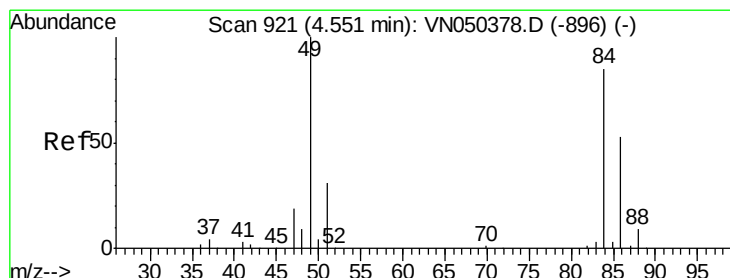
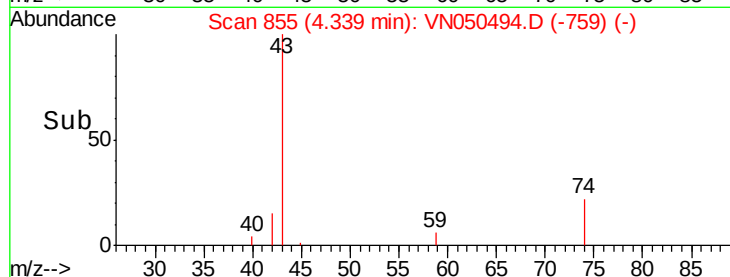
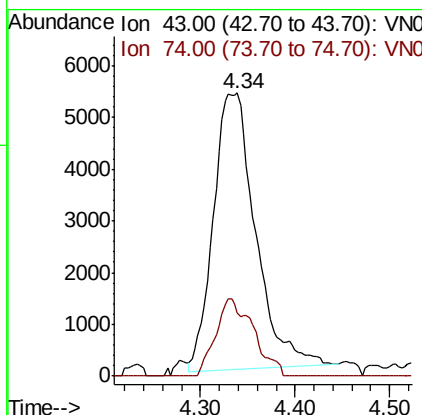
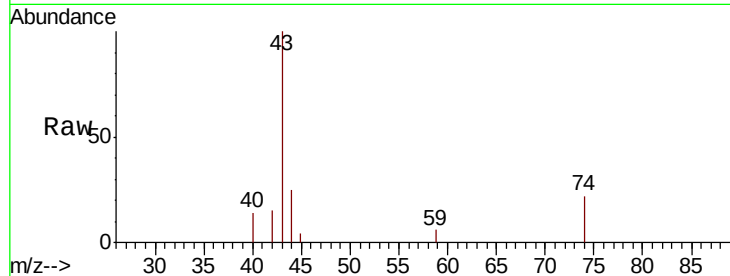




#18
Methyl Acetate
Concen: 2.02 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

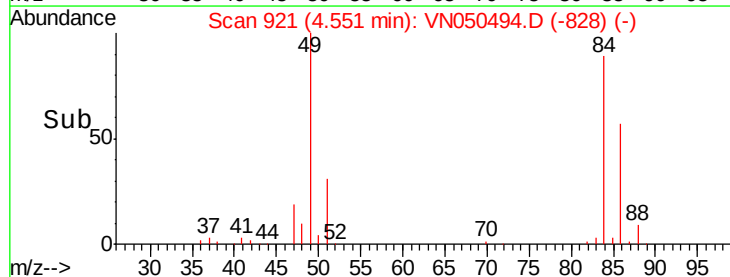
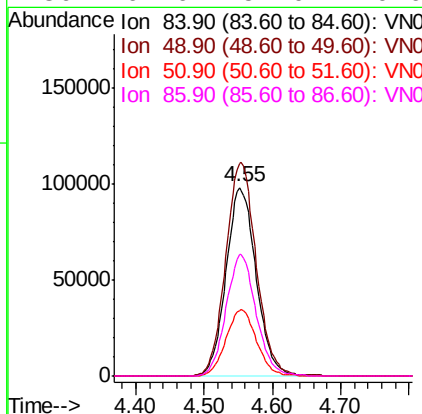
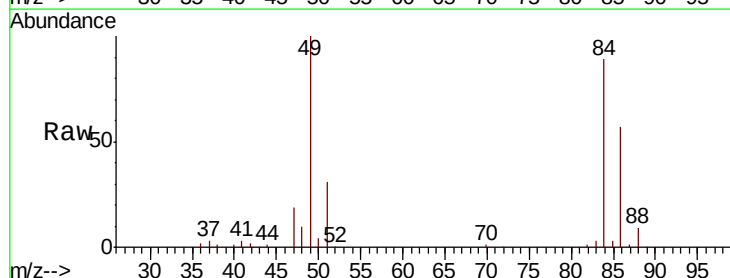
Instrument :
MSVOA_N
ClientSampled :

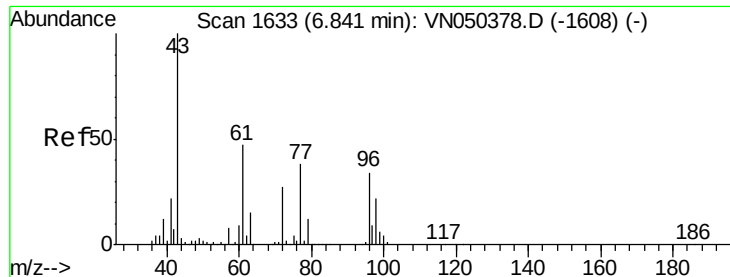
Tot Ion: 43 Resp: 16578
Ion Ratio Lower Upper
43 100
74 25.0 19.2 28.8



#20
Methylene Chloride
Concen: 33.52 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

Tgt Ion: 84 Resp: 300946
Ion Ratio Lower Upper
84 100
49 112.9 94.8 142.2
51 34.9 28.3 42.5
86 64.6 51.0 76.6





#25

2-Butanone

Concen: 0.81 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

Instrument :

MSVOA_N

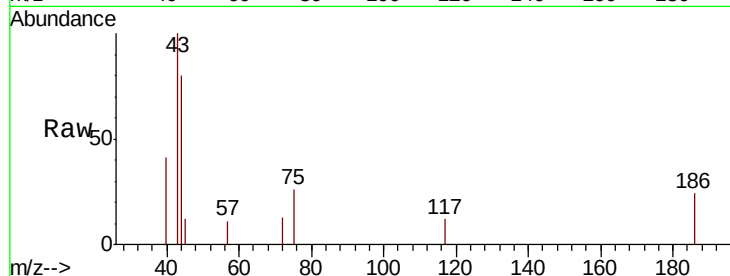
ClientSampleId :

Tot Ion: 43 Resp: 3915

Ion Ratio Lower Upper

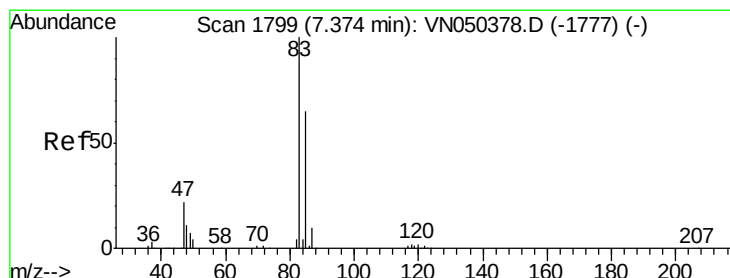
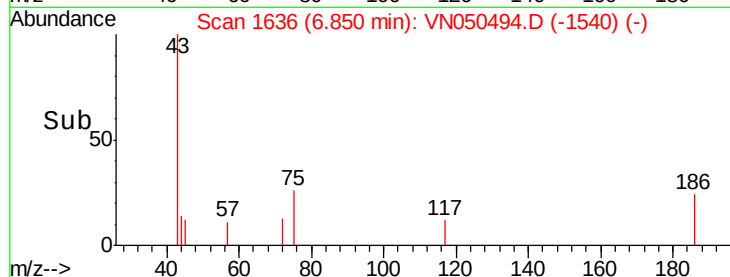
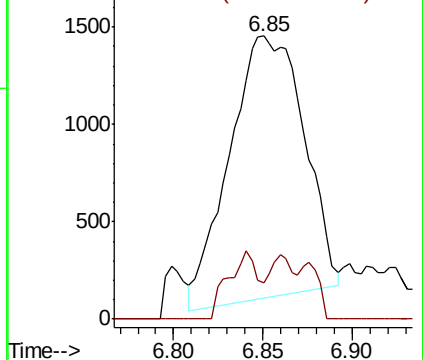
43 100

72 14.8 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#30

Chloroform

Concen: 0.69 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050494.D

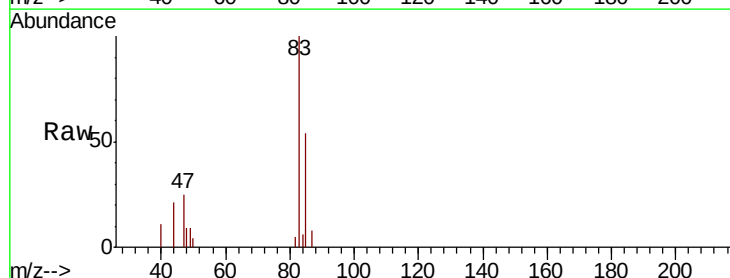
Acq: 9 Aug 2018 18:45

Tgt Ion: 83 Resp: 10816

Ion Ratio Lower Upper

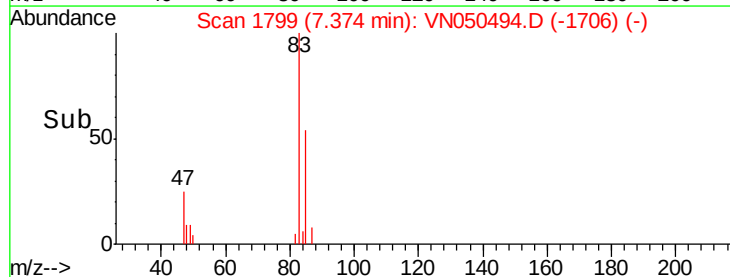
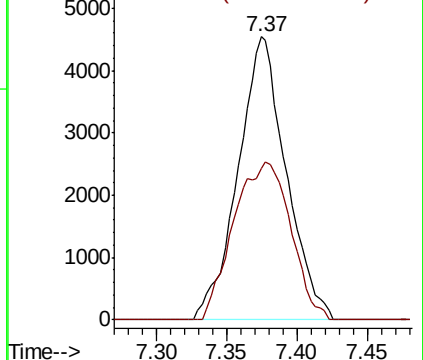
83 100

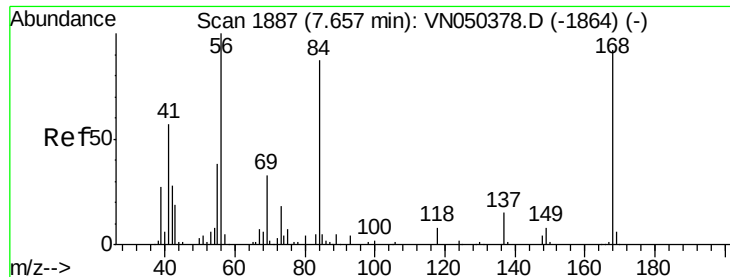
85 53.6 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

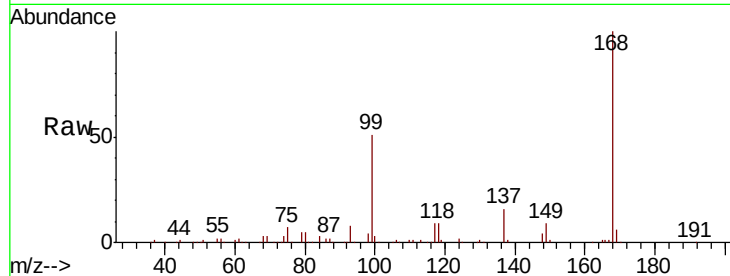




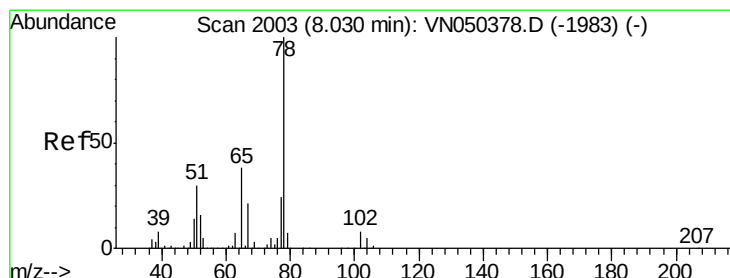
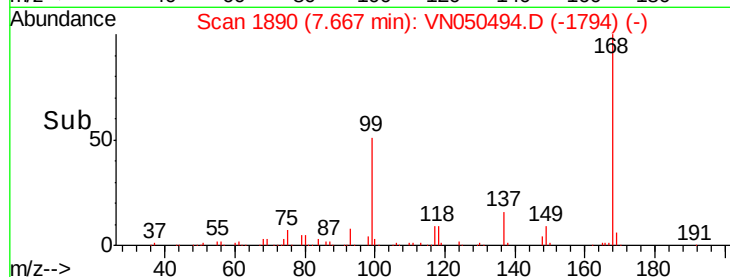
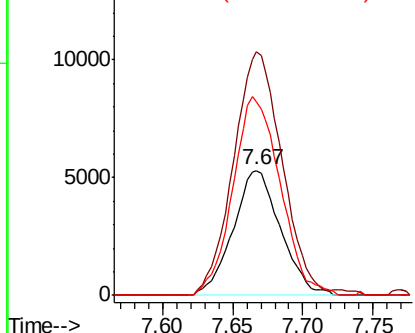
#31
Cyclohexane
Concen: 0.27 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 12434
Ion Ratio Lower Upper
56 100
69 194.9 26.2 39.4#
84 155.4 67.4 101.0#

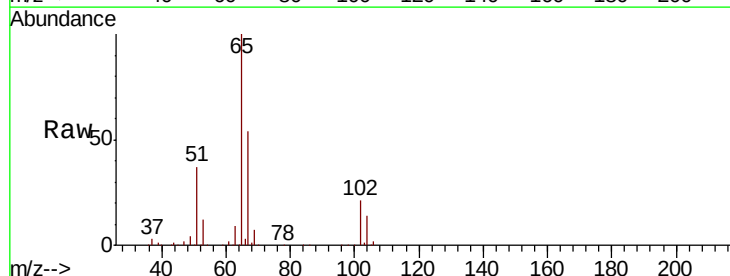


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

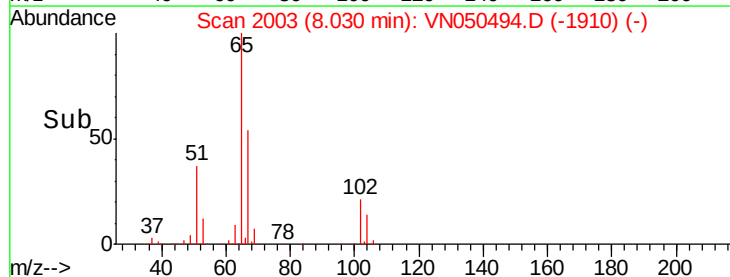
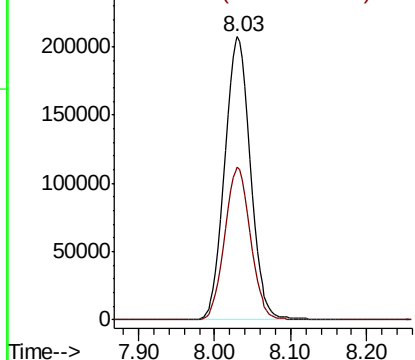


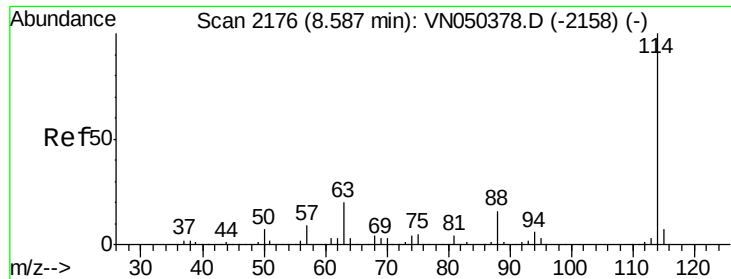
#33
1,2-Dichloroethane-d4
Concen: 50.66 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

Tgt Ion: 65 Resp: 491158
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

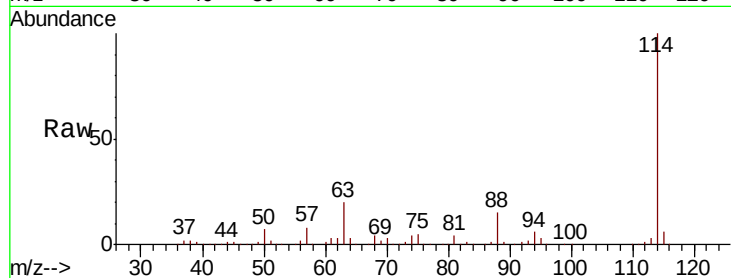




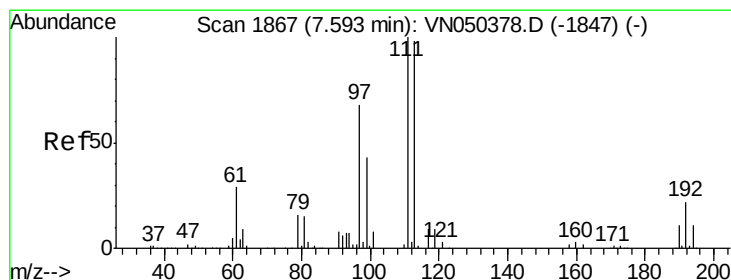
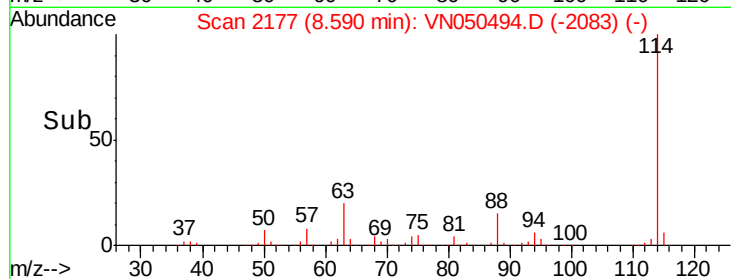
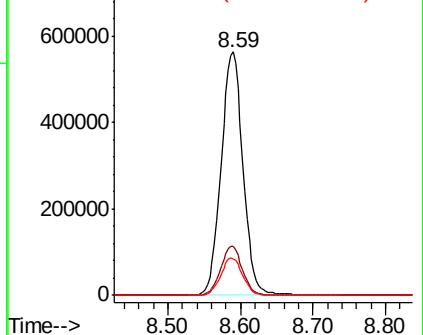
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050494.D
 Acq: 9 Aug 2018 18:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1178942
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.1 0.0 31.2

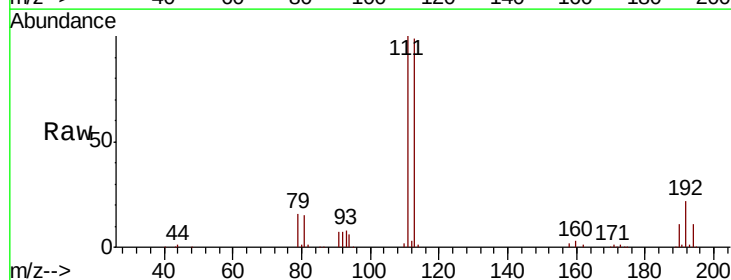


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

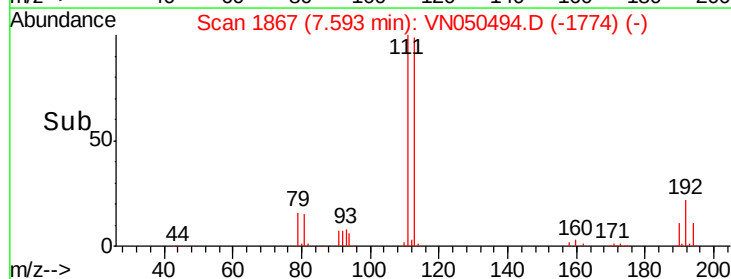
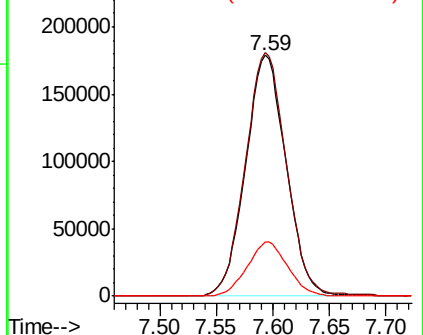


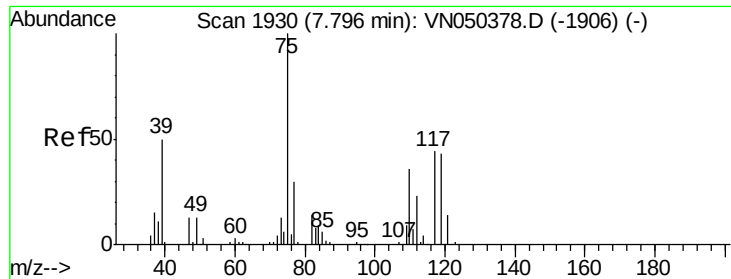
#35
 Dibromofluoromethane
 Concen: 47.05 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050494.D
 Acq: 9 Aug 2018 18:45

Tgt Ion:113 Resp: 445039
 Ion Ratio Lower Upper
 113 100
 111 102.6 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

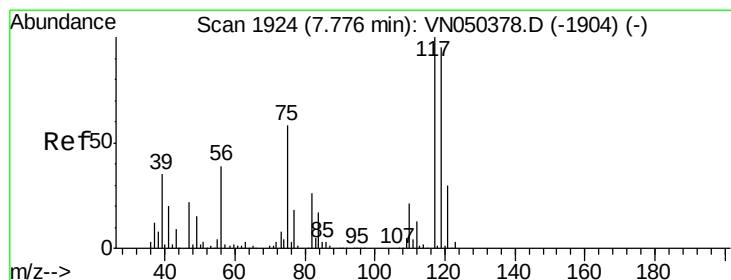
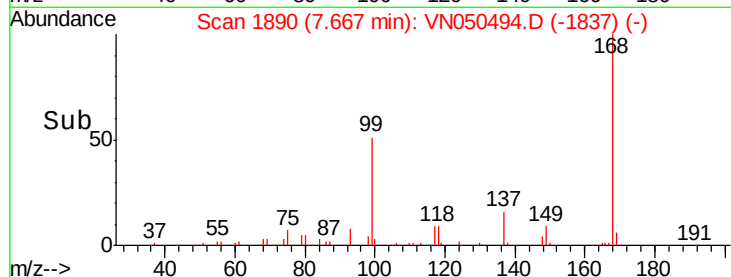
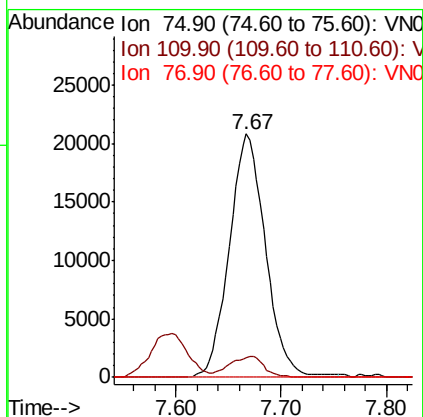
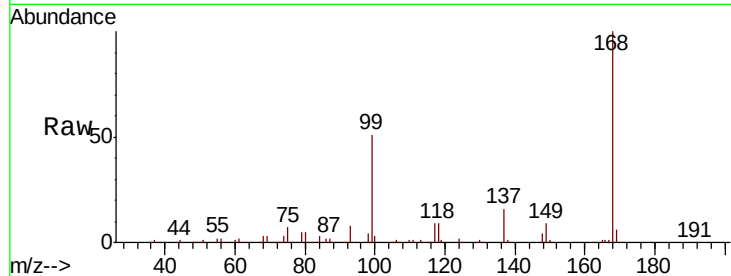




#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050494.D
 Acq: 9 Aug 2018 18:45

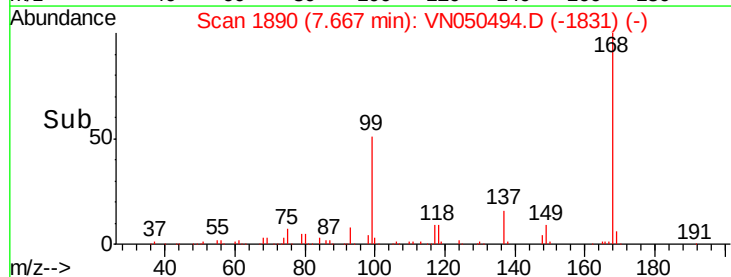
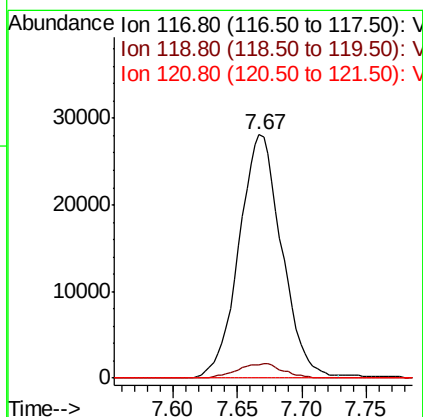
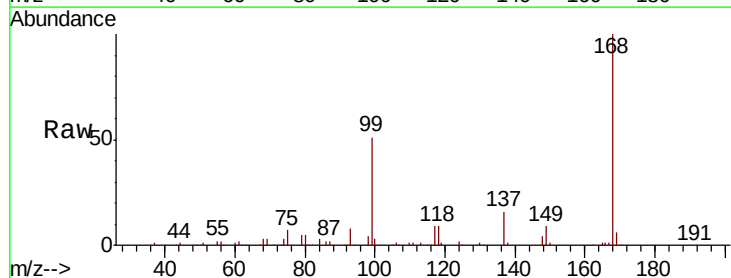
Instrument :
 MSVOA_N
 ClientSampled :

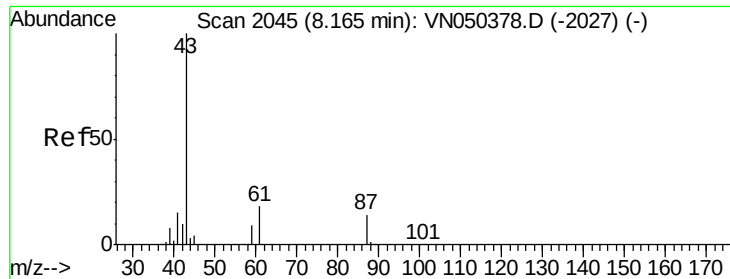
Tot Ion	75	Resp	49432
Ion Ratio	100	Lower	Upper
75	100		
110	8.3	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.80 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050494.D
 Acq: 9 Aug 2018 18:45

Tgt Ion	117	Resp	64797
Ion Ratio	100	Lower	Upper
117	100		
119	5.6	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 16.55 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

Instrument :

MSVOA_N

ClientSampled :

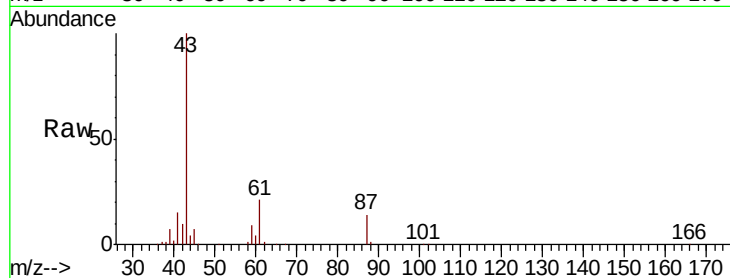
Tot Ion: 43 Resp: 266580

Ion Ratio Lower Upper

43 100

61 18.5 15.8 23.6

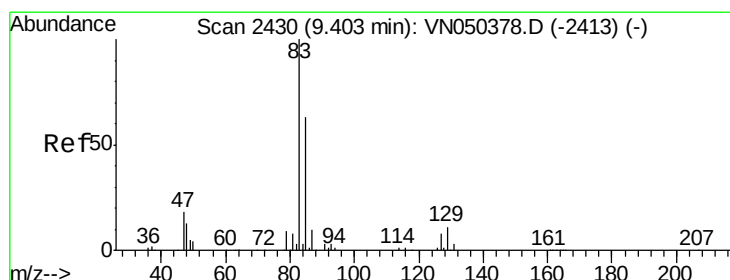
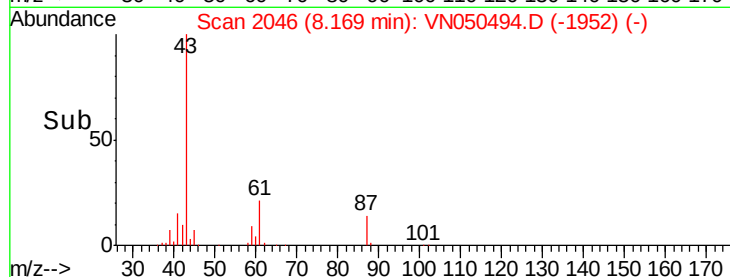
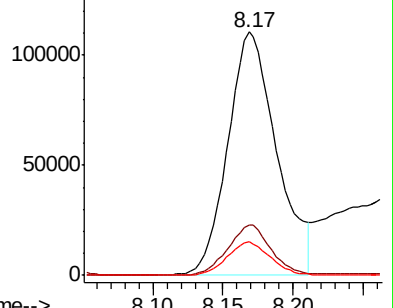
87 12.2 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)



#47

Bromodichloromethane

Concen: 0.20 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

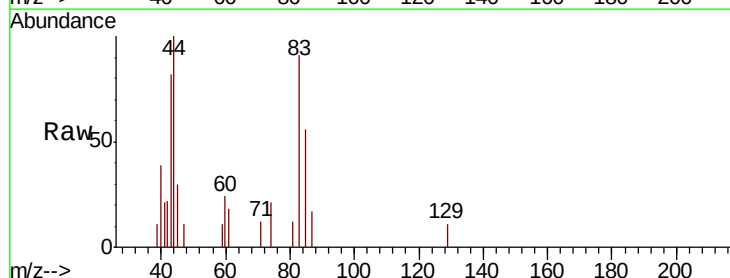
Tgt Ion: 83 Resp: 2736

Ion Ratio Lower Upper

83 100

85 61.6 51.1 76.7

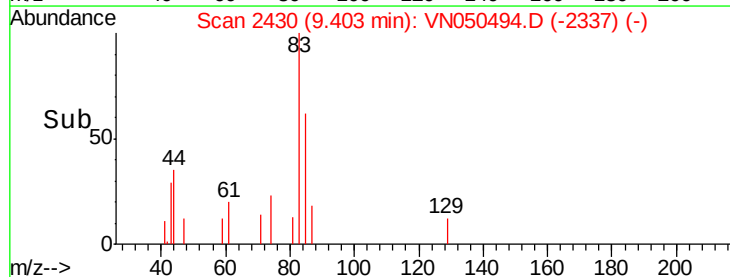
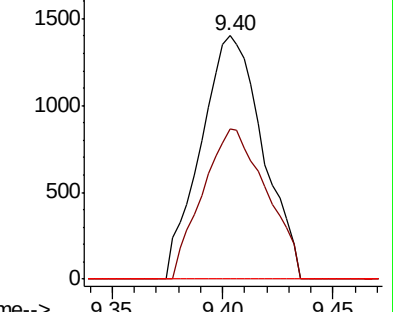
127 0.0 7.0 10.4#

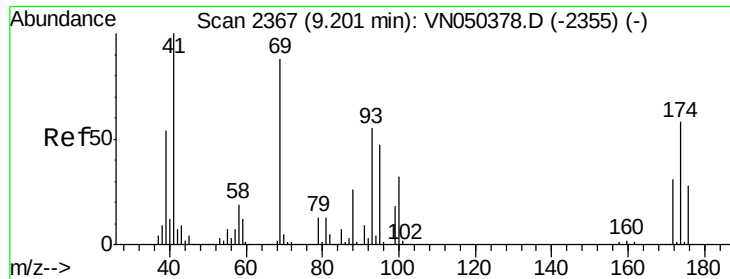


Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN050378.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-2413) (-)

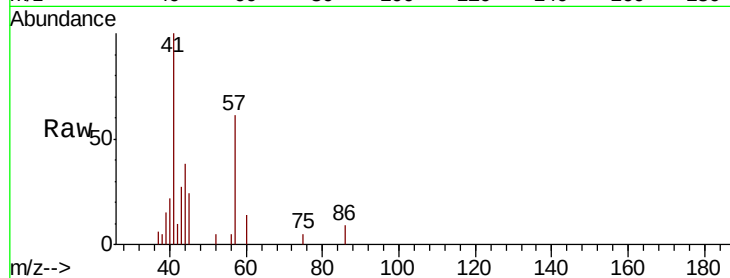




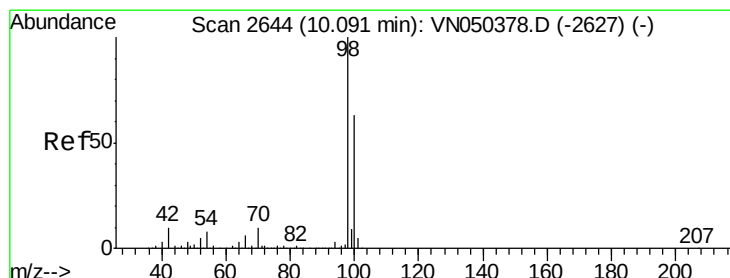
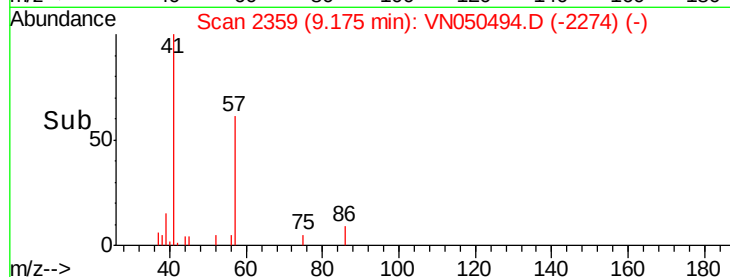
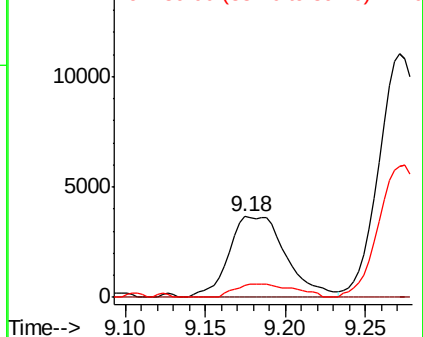
#48
Methvl methacrylate
Concen: 1.11 ug/l
RT: 9.18 min Scan# 2359
Delta R.T. -0.03 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 8991
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 17.3 43.9 65.9#

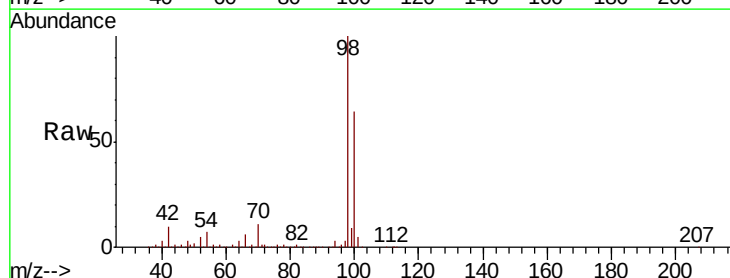


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

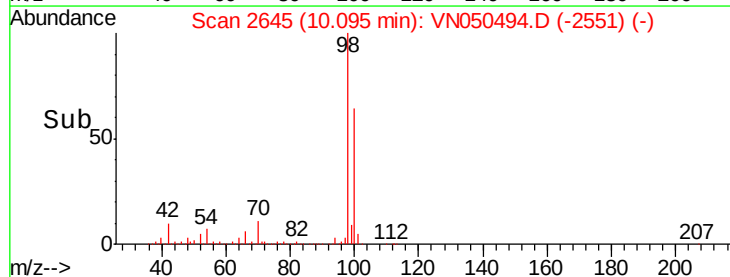
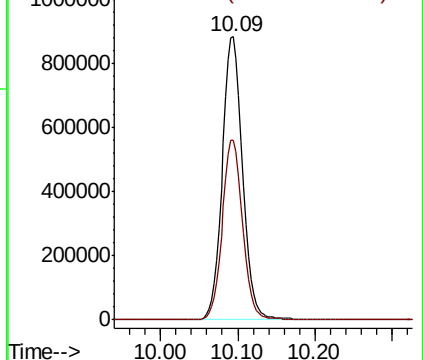


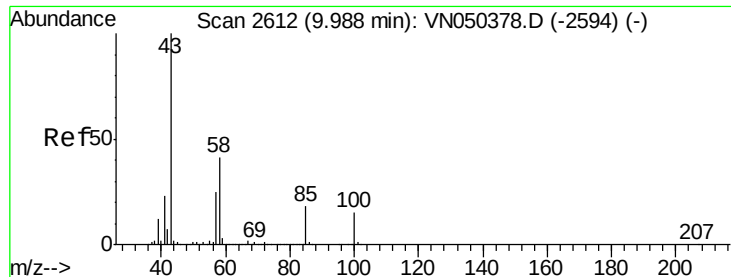
#50
Toluene-d8
Concen: 45.35 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

Tgt Ion: 98 Resp: 1612847
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



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

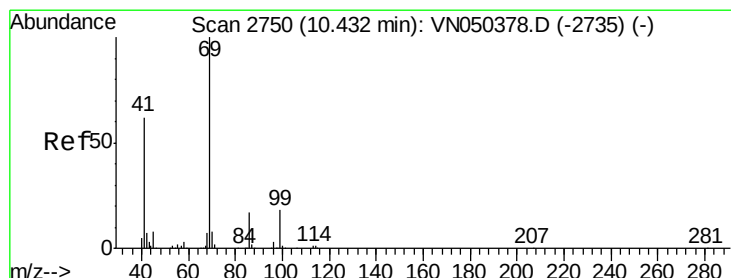
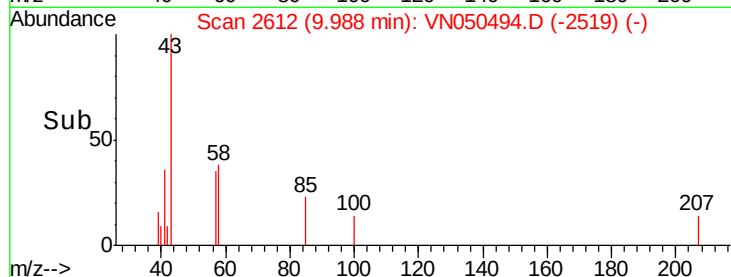
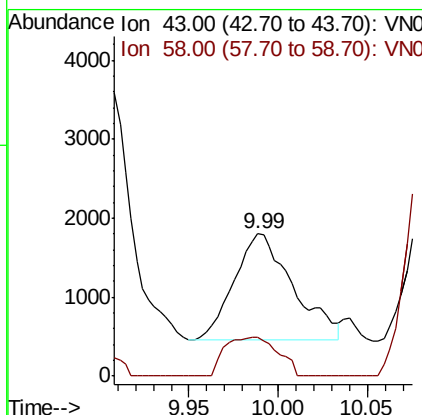
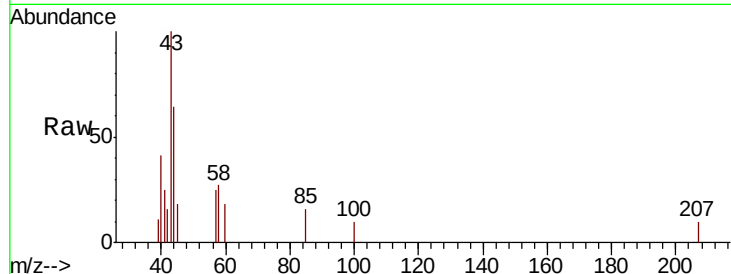




#51
4-Methyl-2-Pentanone
Concen: 0.27 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

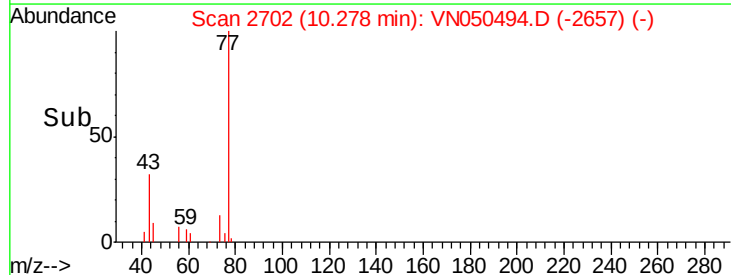
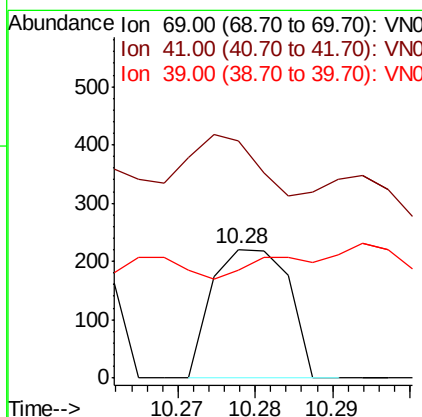
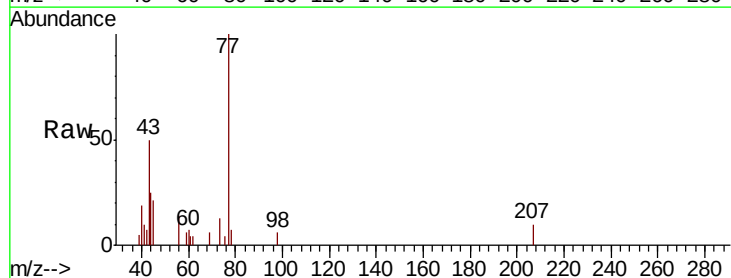
Instrument :
MSVOA_N
ClientSampled :

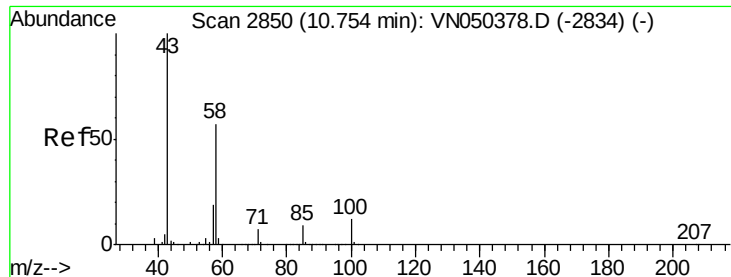
Tot Ion: 43 Resp: 3078
Ion Ratio Lower Upper
43 100
58 33.2 31.9 47.9



#56
Ethyl methacrylate
Concen: 1.72 ug/l
RT: 10.28 min Scan# 2702
Delta R.T. -0.15 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

Tgt Ion: 69 Resp: 152
Ion Ratio Lower Upper
69 100
41 198.7 51.0 76.4#
39 140.8 26.6 40.0#





#59

2-Hexanone

Concen: 2.07 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

Instrument :

MSVOA_N

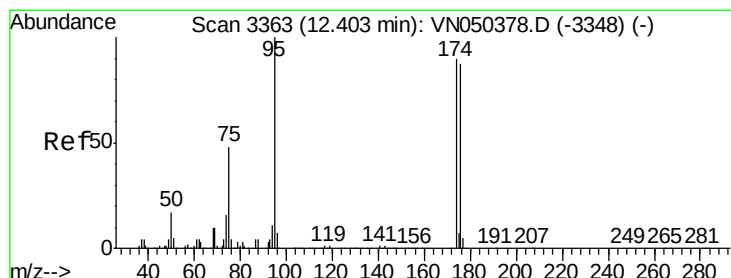
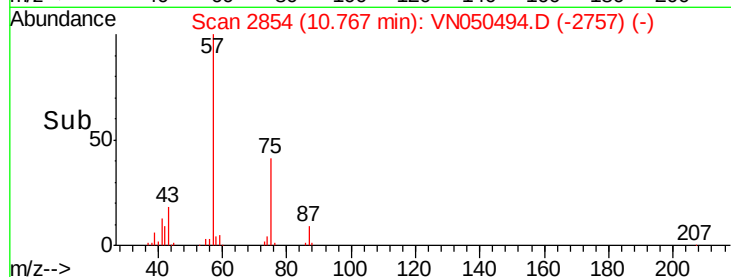
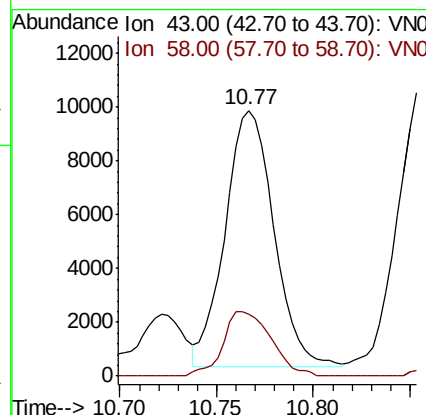
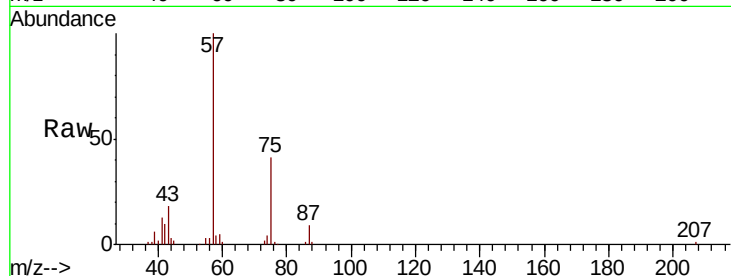
ClientSampled :

Tot Ion: 43 Resp: 16717

Ion Ratio Lower Upper

43 100

58 24.9 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 39.20 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

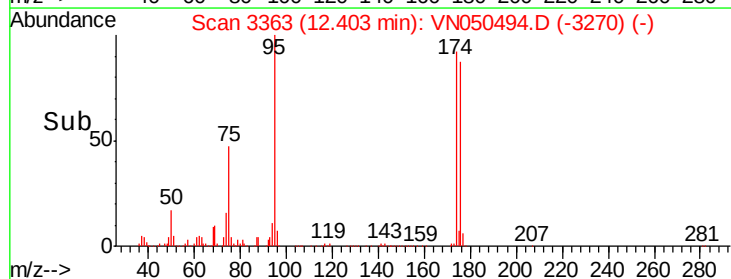
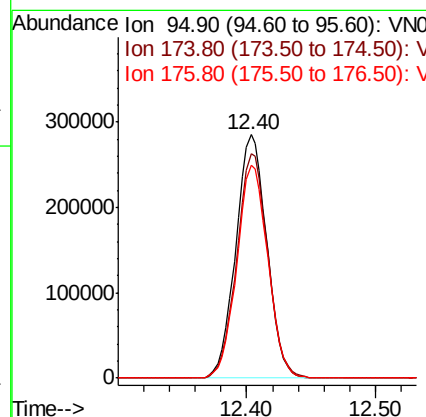
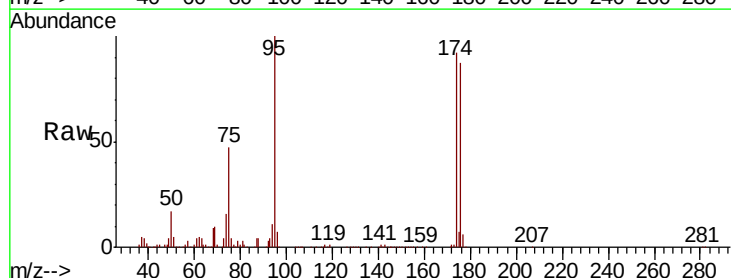
Tgt Ion: 95 Resp: 475167

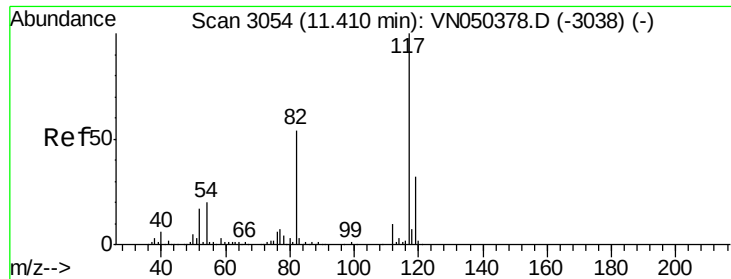
Ion Ratio Lower Upper

95 100

174 92.5 0.0 178.2

176 87.8 0.0 173.4

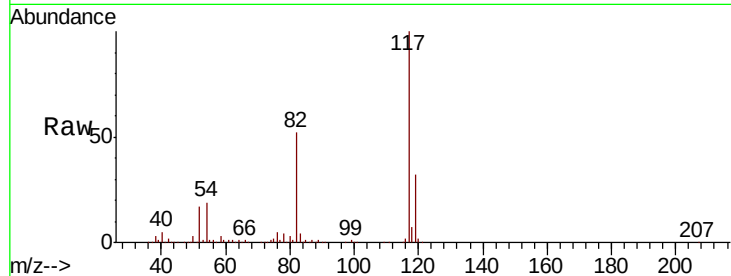




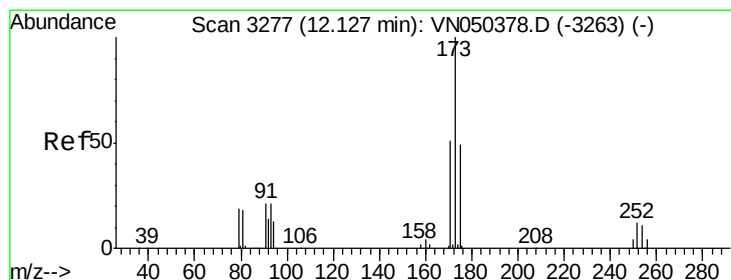
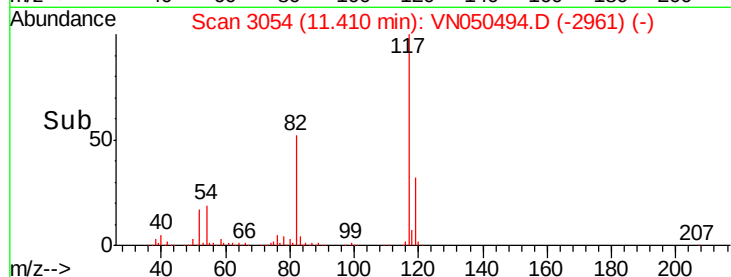
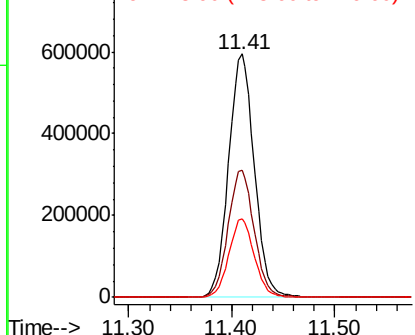
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1034564
Ion Ratio Lower Upper
117 100
82 52.2 43.7 65.5
119 32.5 26.1 39.1

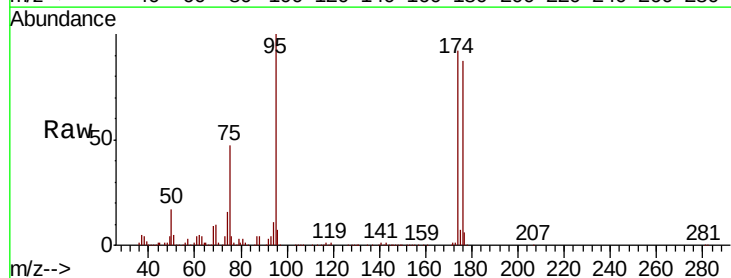


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

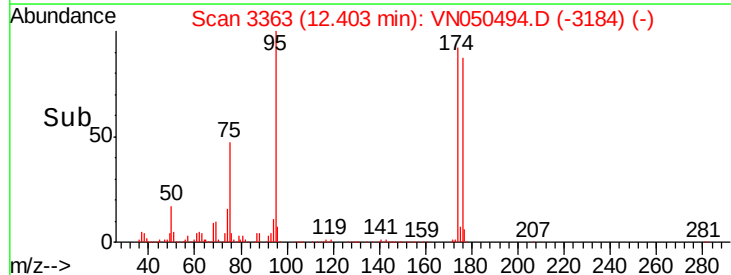
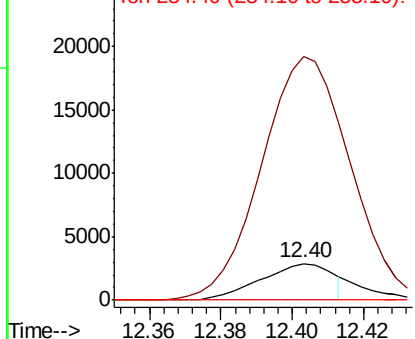


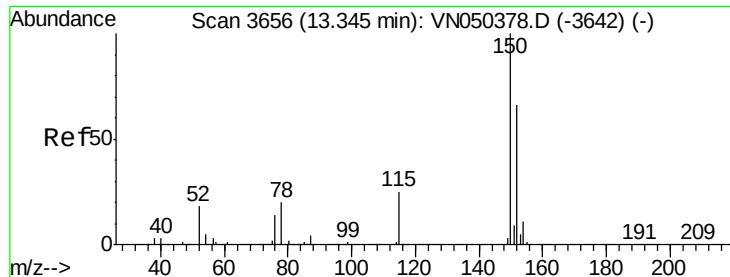
#71
Bromoform
Concen: 0.58 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050494.D
Acq: 9 Aug 2018 18:45

Tgt Ion:173 Resp: 4000
Ion Ratio Lower Upper
173 100
175 678.0 24.1 72.2#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

Instrument :

MSVOA_N

ClientSampled :

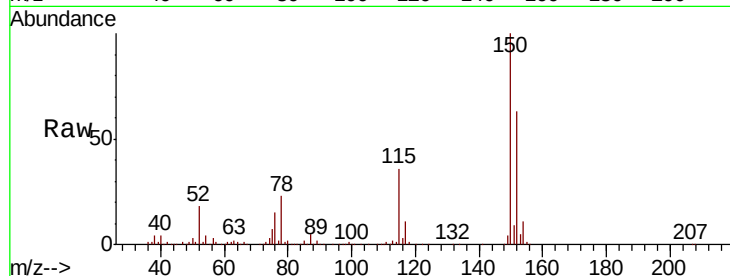
Tot Ion:152 Resp: 416193

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.3

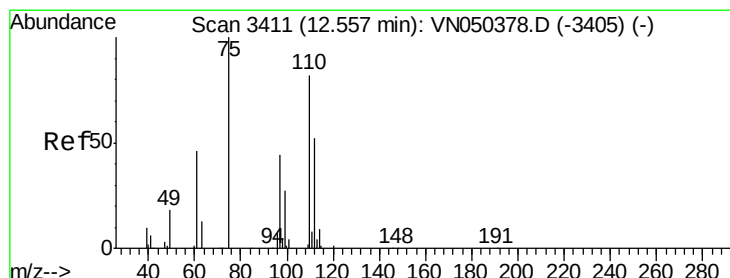
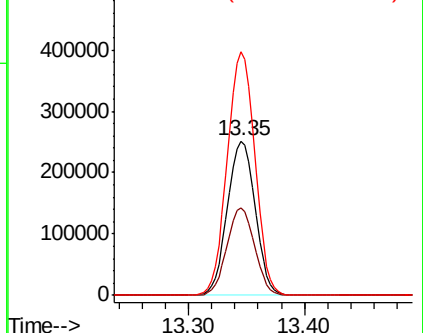
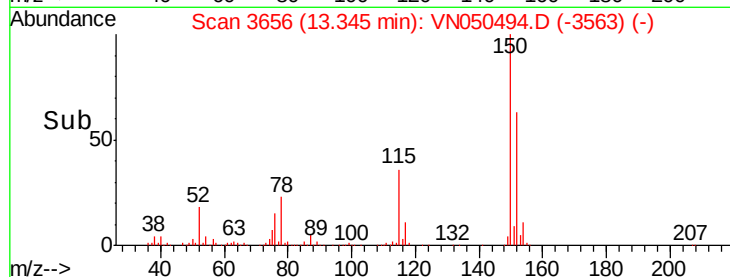
150 156.8 0.0 348.6



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: 29.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050494.D

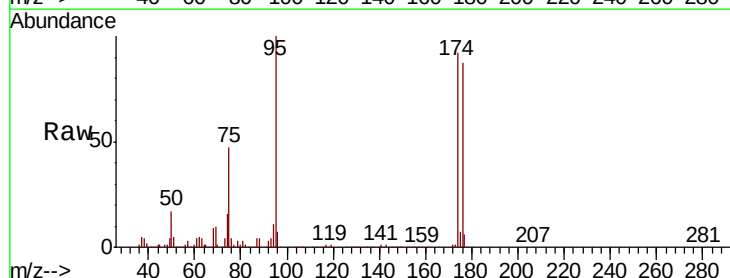
Acq: 9 Aug 2018 18:45

Tgt Ion: 75 Resp: 225321

Ion Ratio Lower Upper

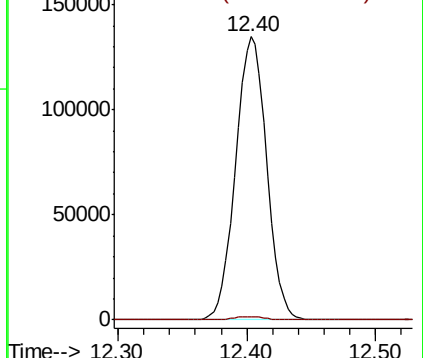
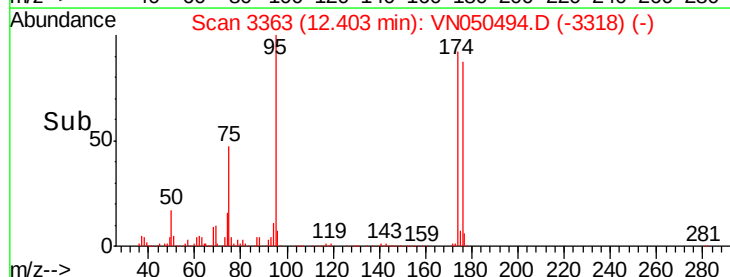
75 100

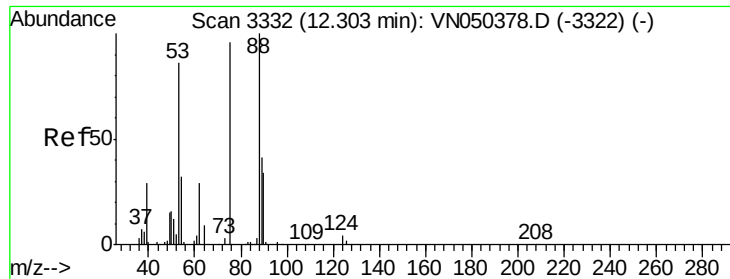
77 1.2 0.0 0.0#



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: 105.09 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

Instrument :

MSVOA_N

ClientSampled :

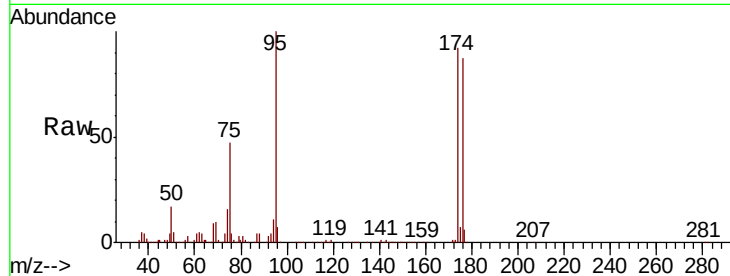
Tot Ion: 75 Resp: 225321

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

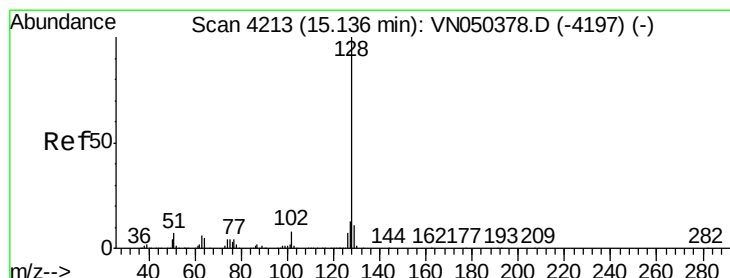
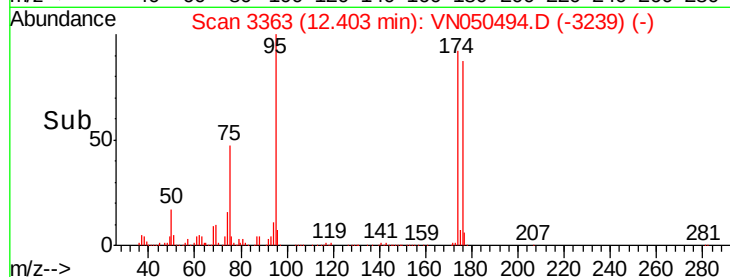
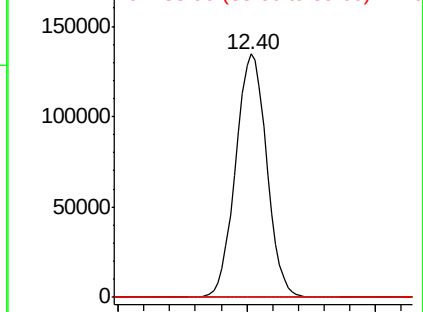
89 0.0 36.0 54.0#



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



#95

Naphthalene

Concen: 6.19 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050494.D

Acq: 9 Aug 2018 18:45

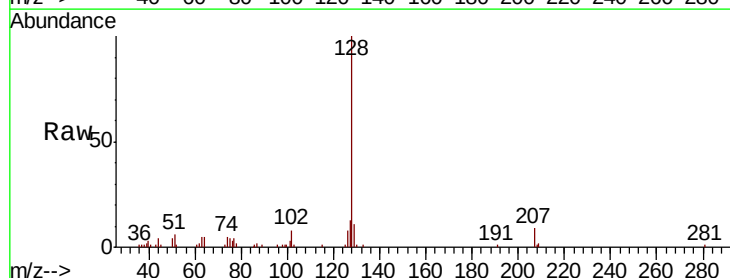
Tgt Ion:128 Resp: 55769

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 11.2 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

