

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050500.D
 Acq On : 9 Aug 2018 22:03
 Operator : MD\SY
 Sample : VN0809WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 07:25:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	131137	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	679404	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	561302	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	273439	30.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.27%
60) 4-Bromofluorobenzene	12.40	95	194885	22.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	75.33%
63) Toluene-d8	10.09	98	776774	28.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.57%

Target Compounds

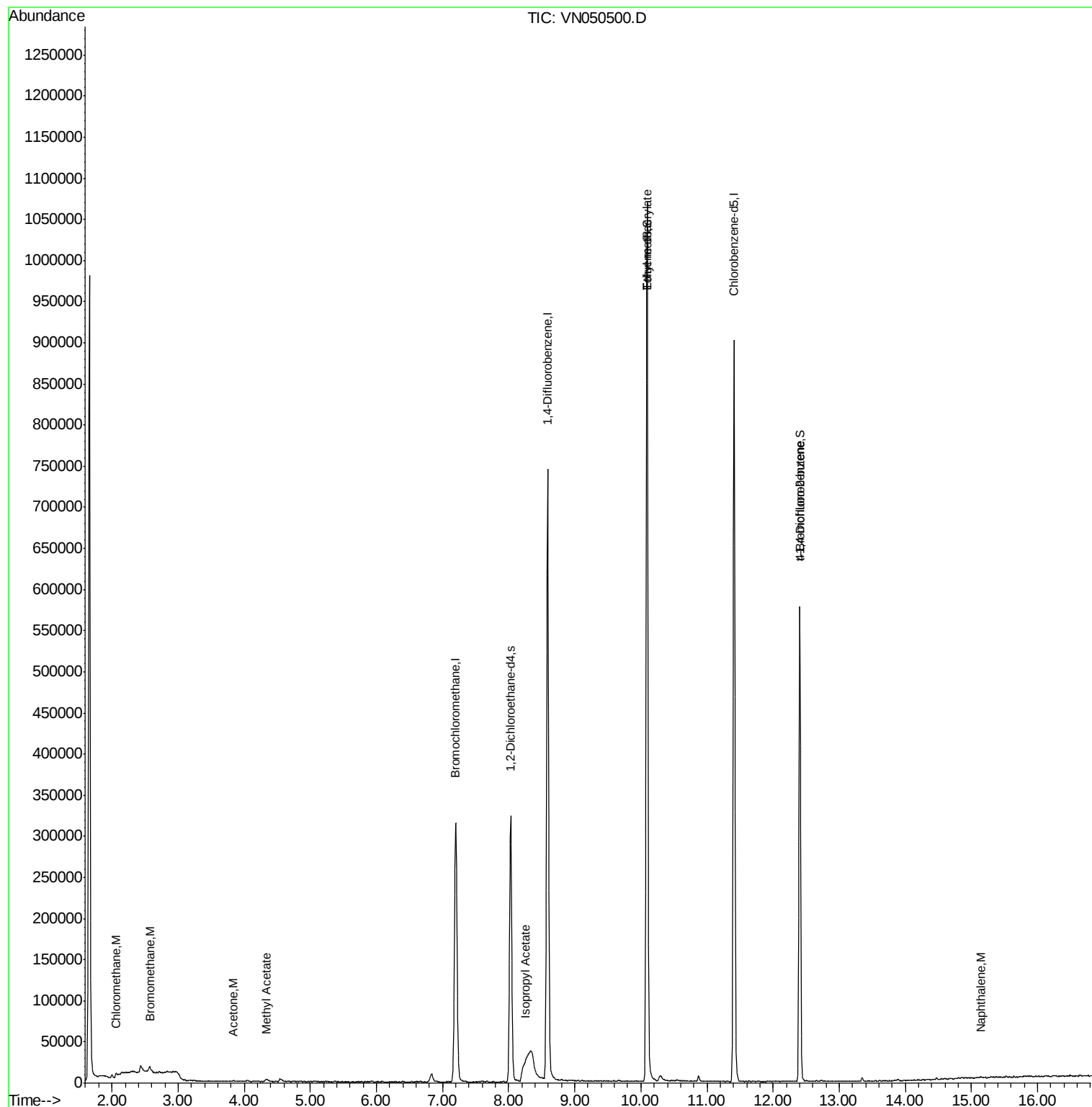
						Ovalue
3) Chloromethane	2.06	50	2500	0.27	ug/l	99
5) Bromomethane	2.57	94	3972	0.66	ug/l	89
12) Methyl Acetate	4.34	43	6775	0.85	ug/l	94
15) Acetone	3.82	58	147	0.21	ug/l #	1
44) Isopropyl Acetate	8.24	43	17643	1.38	ug/l #	57
51) Ethyl methacrylate	10.10	69	2519	0.28	ug/l	90
77) t-1,4-Dichloro-2-butene	12.40	75	93033	38.02	ug/l #	14
91) Naphthalene	15.14	128	1194	7.69	ug/l #	77

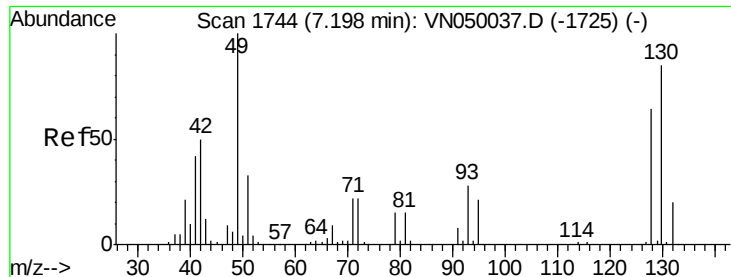
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 10 07:25:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050500.D

Acq: 9 Aug 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

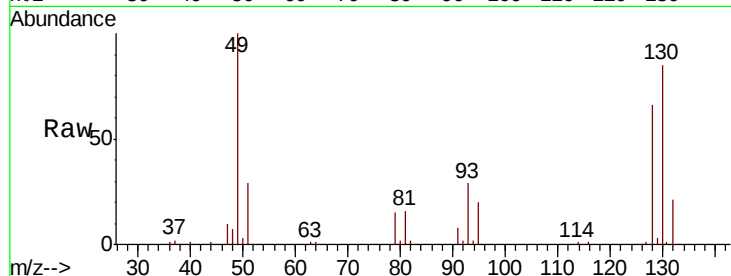
Tot Ion:128 Resp: 131137

Ion Ratio Lower Upper

128 100

49 150.6 0.0 378.3

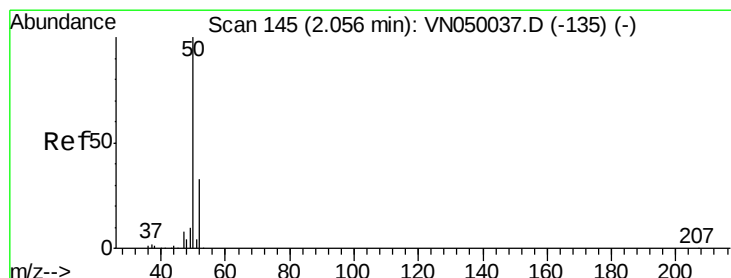
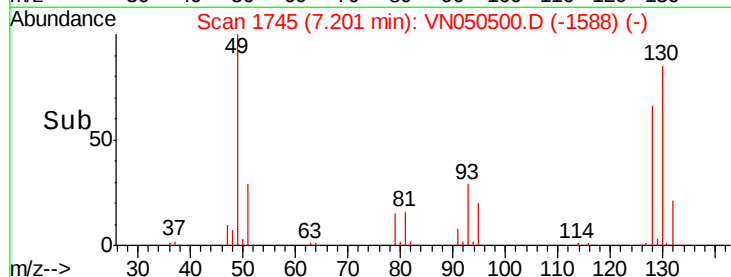
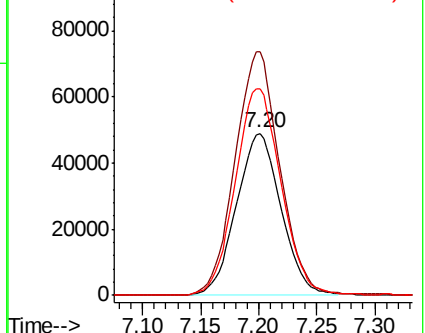
130 131.3 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.27 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050500.D

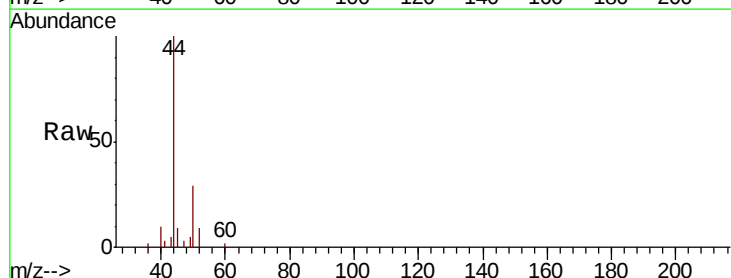
Acq: 9 Aug 2018 22:03

Tgt Ion: 50 Resp: 2500

Ion Ratio Lower Upper

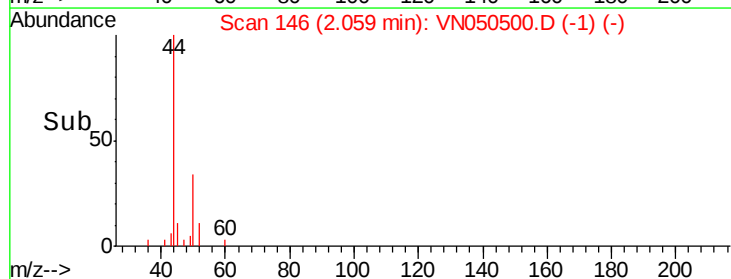
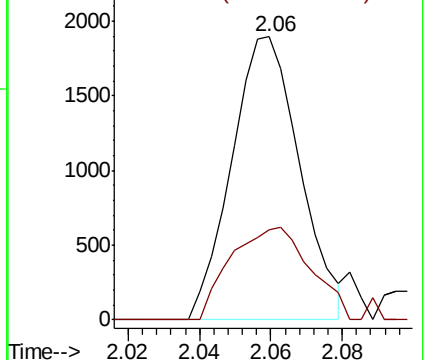
50 100

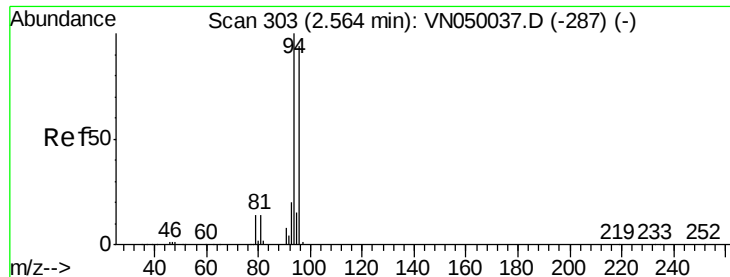
52 32.0 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.66 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050500.D

Acq: 9 Aug 2018 22:03

Instrument :

MSVOA_N

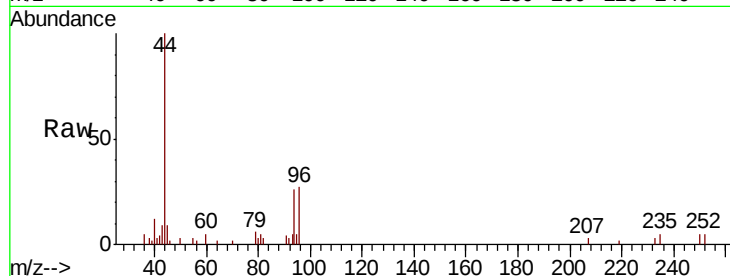
ClientSampled :

Tot Ion: 94 Resp: 3972

Ion Ratio Lower Upper

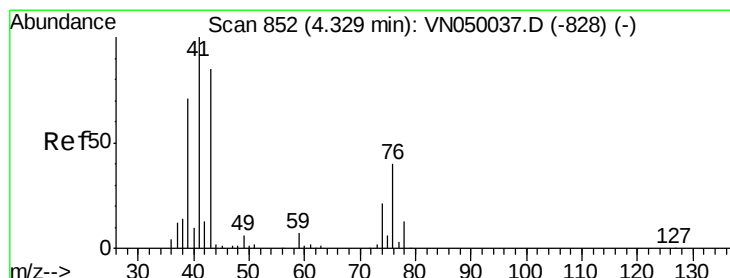
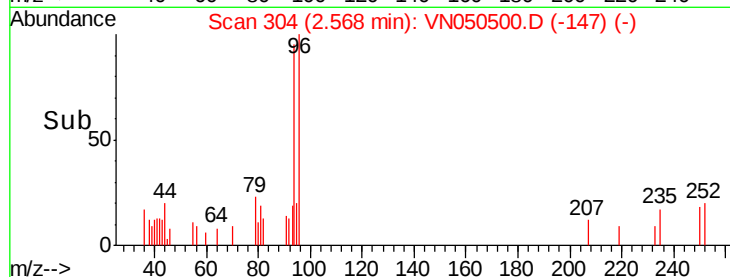
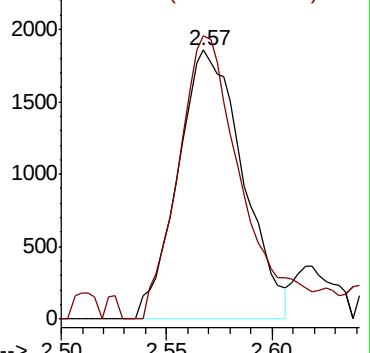
94 100

96 105.2 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#12

Methyl Acetate

Concen: 0.85 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050500.D

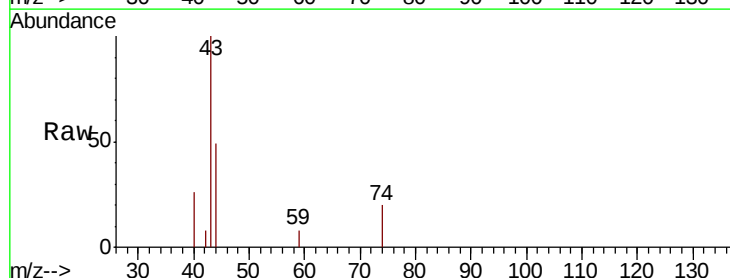
Acq: 9 Aug 2018 22:03

Tgt Ion: 43 Resp: 6775

Ion Ratio Lower Upper

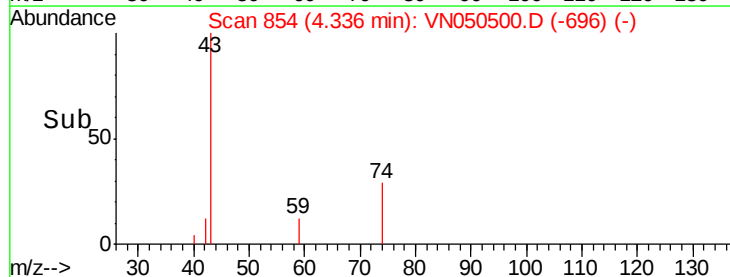
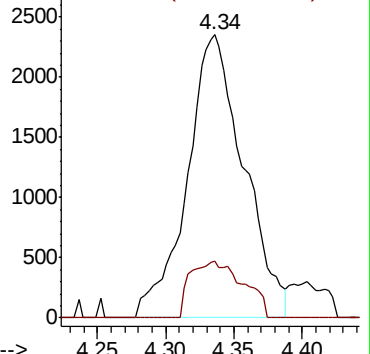
43 100

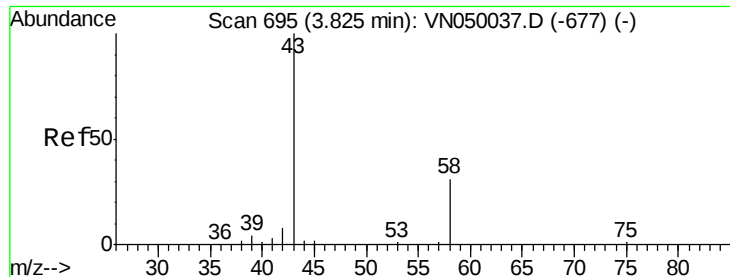
74 21.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 0.21 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050500.D

Acq: 9 Aug 2018 22:03

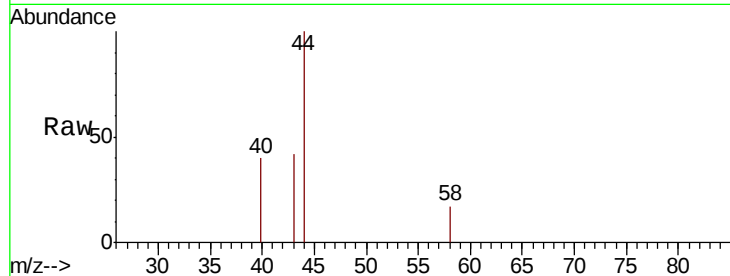
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 147

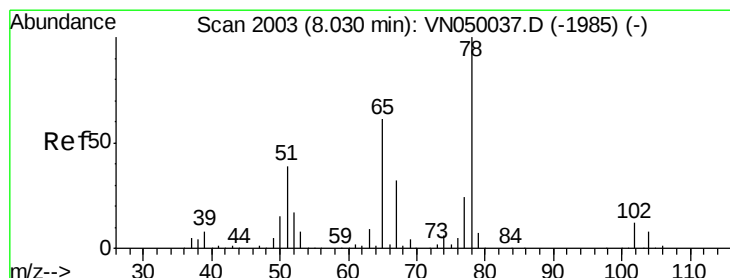
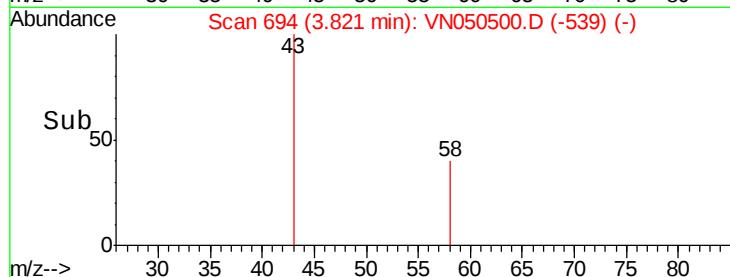
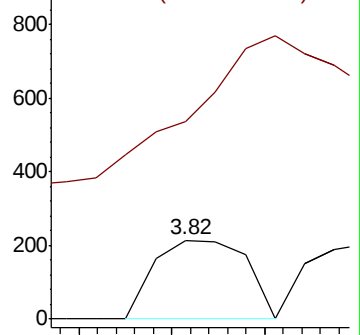
Ion Ratio Lower Upper

58 100

43 43.5 252.0 378.0#



Abundance Ion 58.00 (57.70 to 58.70): VN0



#27

1,2-Dichloroethane-d4

Concen: 30.68 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050500.D

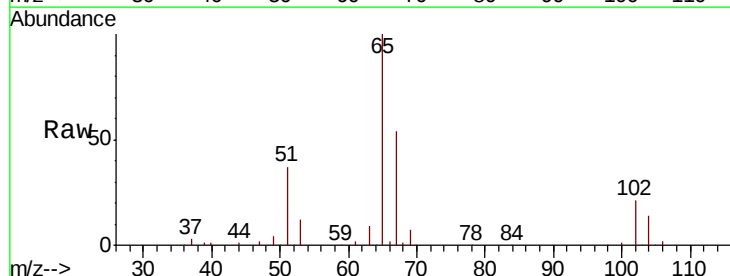
Acq: 9 Aug 2018 22:03

Tgt Ion: 65 Resp: 273439

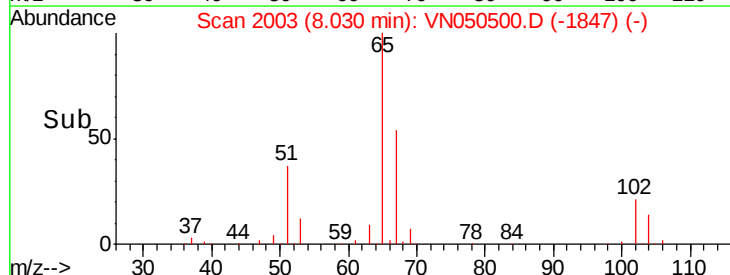
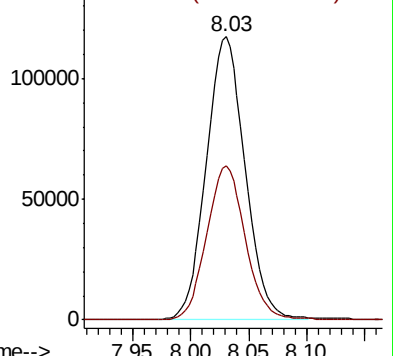
Ion Ratio Lower Upper

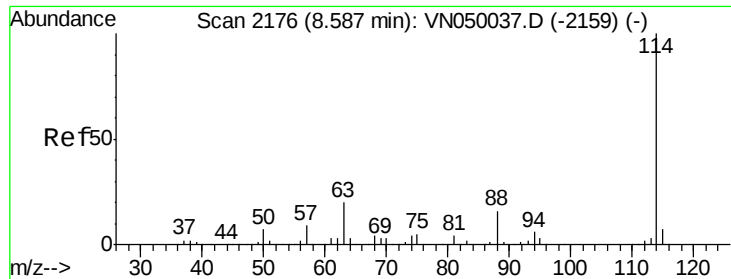
65 100

67 54.3 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN0

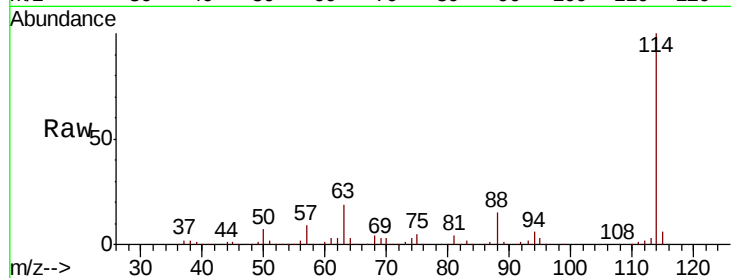




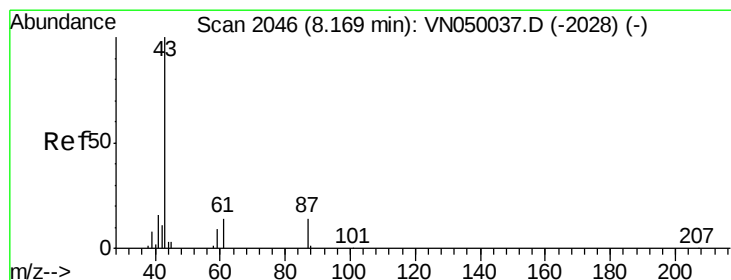
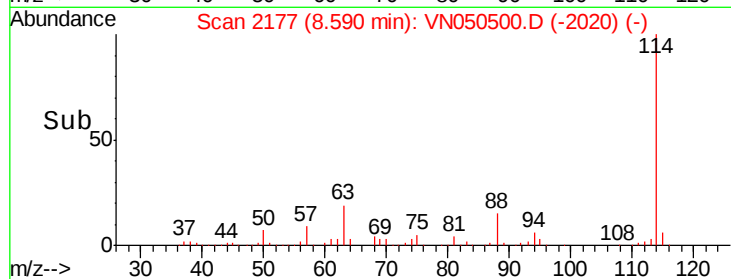
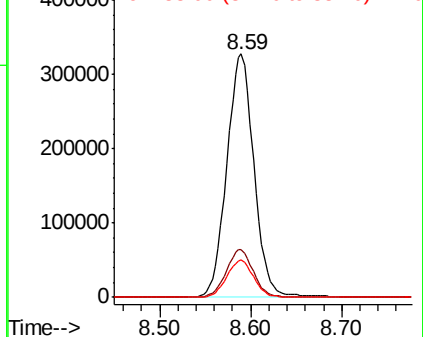
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050500.D
 Acq: 9 Aug 2018 22:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 679404
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.2 12.3 18.5

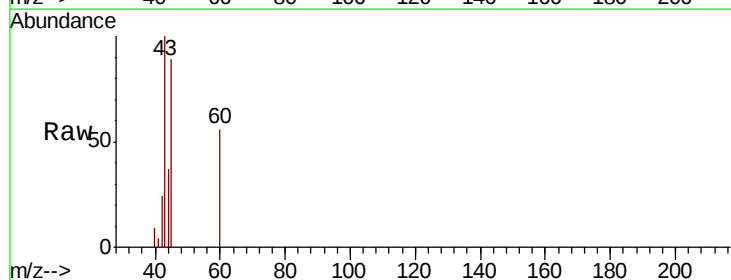


Abundance Ion 114.00 (113.70 to 114.70): VN050500.D (-2159) (-)
 Ion 63.00 (62.70 to 63.70): VN050500.D (-2159) (-)
 Ion 88.00 (87.70 to 88.70): VN050500.D (-2159) (-)

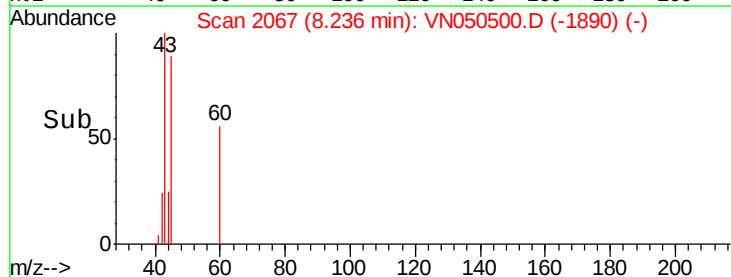
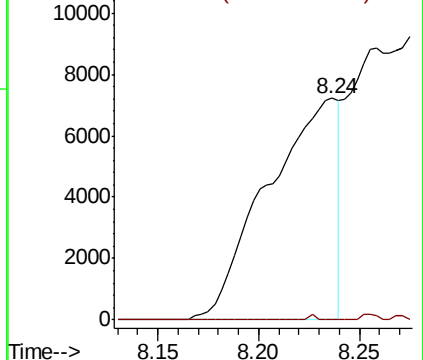


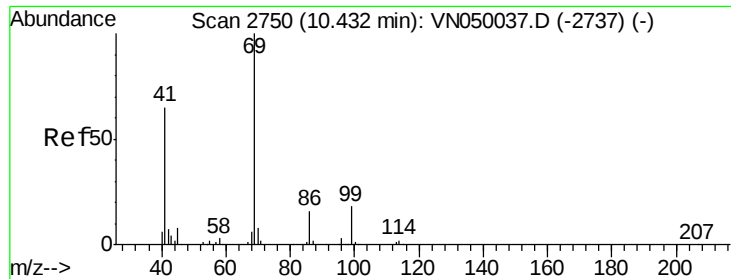
#44
 Isopropyl Acetate
 Concen: 1.38 ug/l
 RT: 8.24 min Scan# 2067
 Delta R.T. 0.07 min
 Lab File: VN050500.D
 Acq: 9 Aug 2018 22:03

Tgt Ion: 43 Resp: 17643
 Ion Ratio Lower Upper
 43 100
 61 0.5 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VN050500.D (-1890) (-)
 Ion 61.00 (60.70 to 61.70): VN050500.D (-1890) (-)

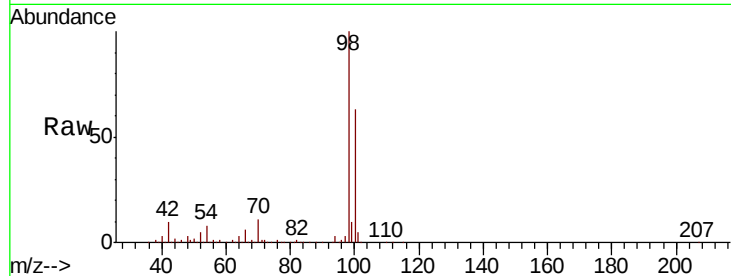




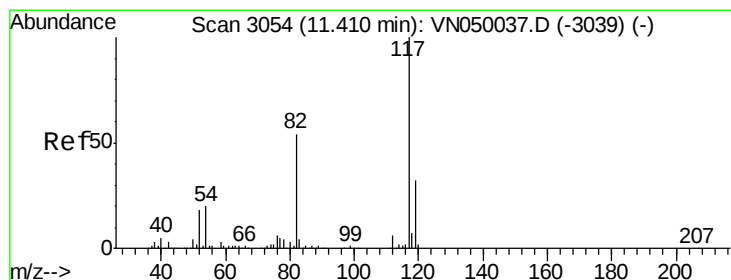
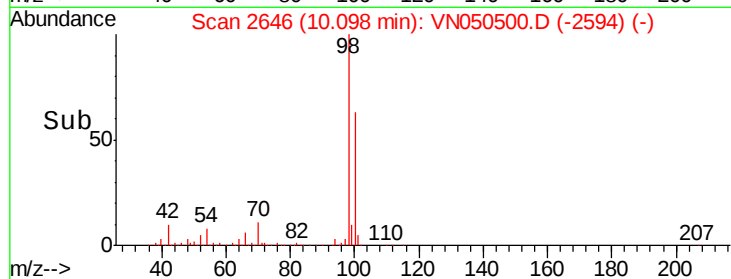
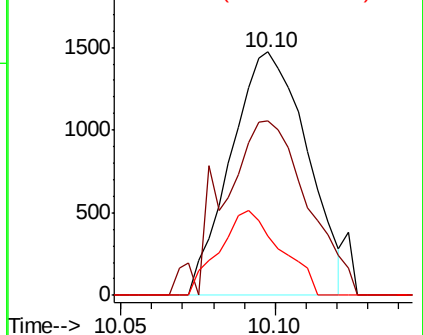
#51
Ethyl methacrylate
Concen: 0.28 ug/l
RT: 10.10 min Scan# 2646
Delta R.T. -0.33 min
Lab File: VN050500.D
Acq: 9 Aug 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 69 Resp: 2519
Ion Ratio Lower Upper
69 100
41 58.4 31.9 95.9
39 24.4 16.7 50.1

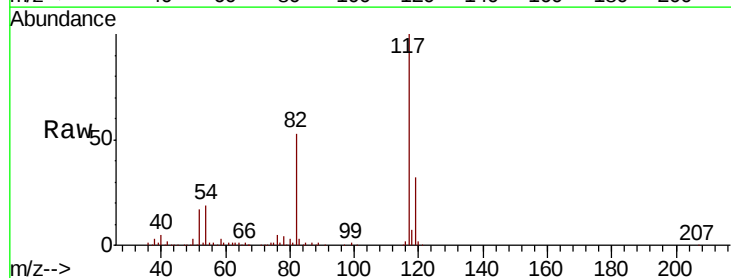


Abundance Ion 69.00 (68.70 to 69.70): VN050037.D (-2737) (-)
Ion 41.00 (40.70 to 41.70): VN050037.D (-2737) (-)
Ion 39.00 (38.70 to 39.70): VN050037.D (-2737) (-)

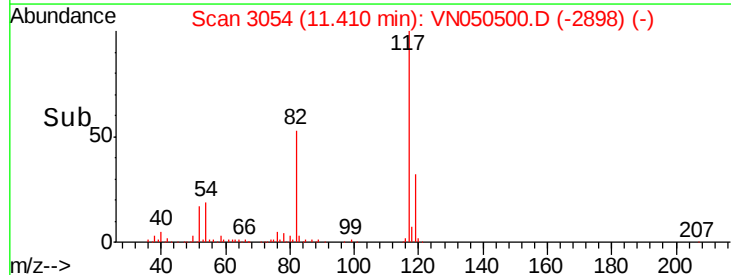
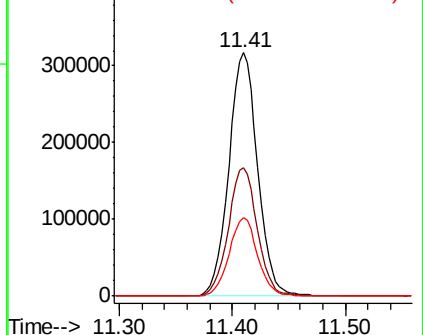


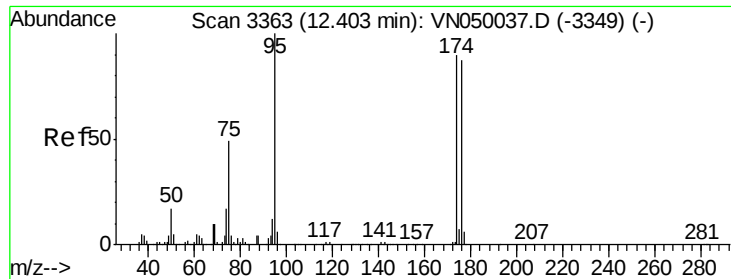
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050500.D
Acq: 9 Aug 2018 22:03

Tgt Ion: 117 Resp: 561302
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 32.0 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3039) (-)
Ion 82.00 (81.70 to 82.70): VN050037.D (-3039) (-)
Ion 119.00 (118.70 to 119.70): VN050037.D (-3039) (-)





#60

4-Bromofluorobenzene

Concen: 22.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050500.D

Acq: 9 Aug 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

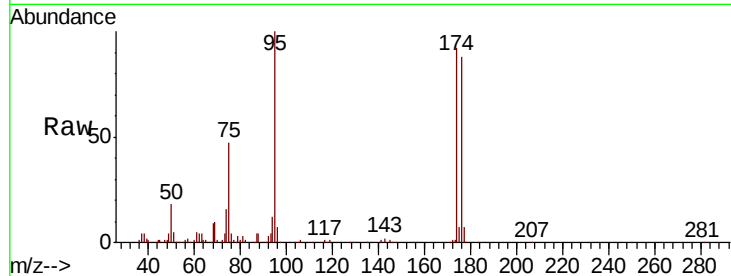
Tot Ion: 95 Resp: 194885

Ion Ratio Lower Upper

95 100

174 93.6 72.3 108.5

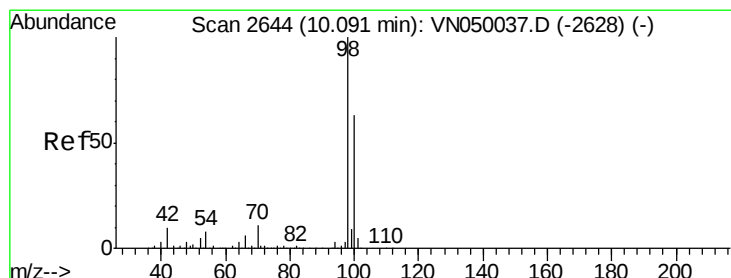
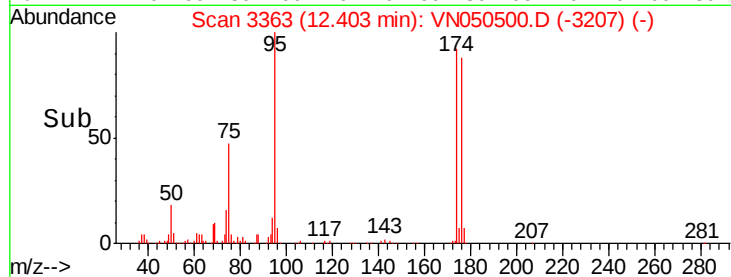
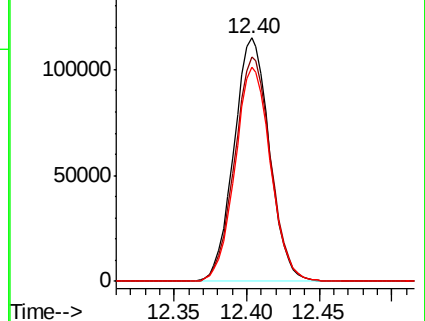
176 88.0 70.0 105.0



Abundance Ion 95.00 (94.70 to 95.70): VN050037.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050037.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050037.D (-3349) (-)



#63

Toluene-d8

Concen: 28.97 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050500.D

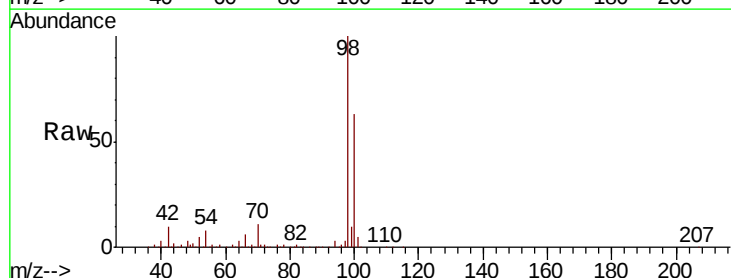
Acq: 9 Aug 2018 22:03

Tgt Ion: 98 Resp: 776774

Ion Ratio Lower Upper

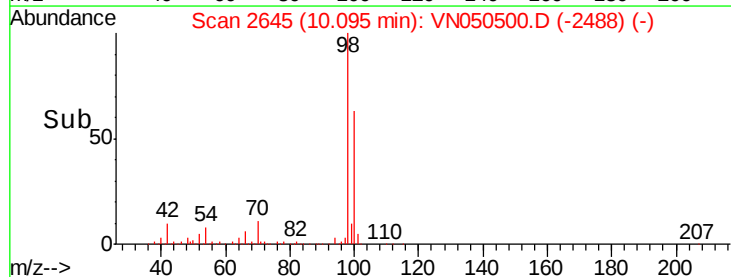
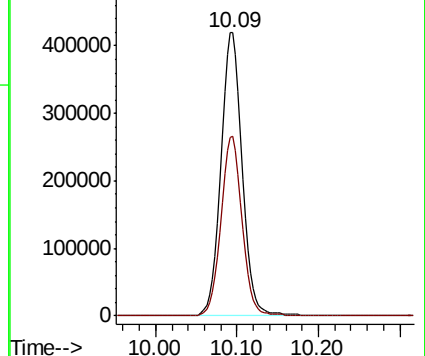
98 100

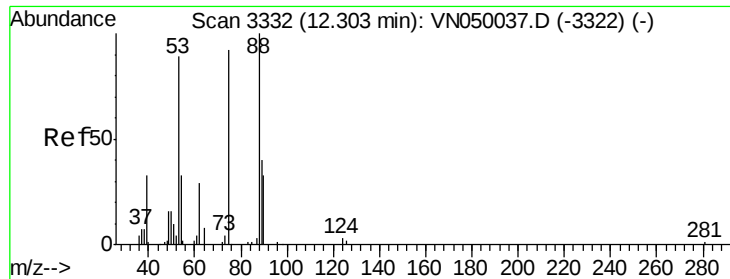
100 62.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-2628) (-)

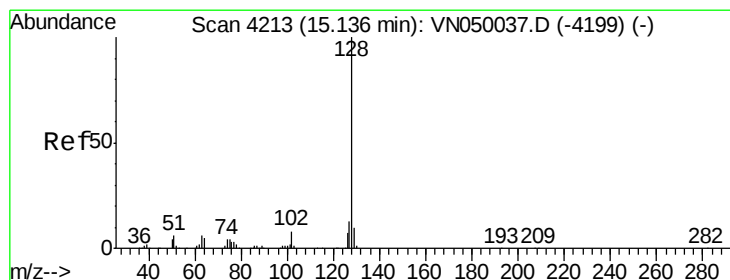
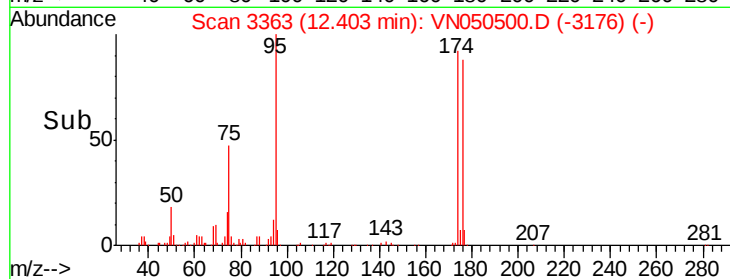
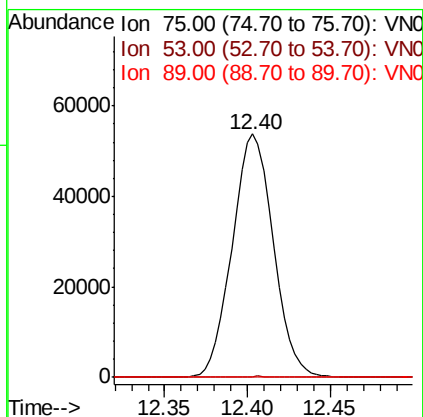
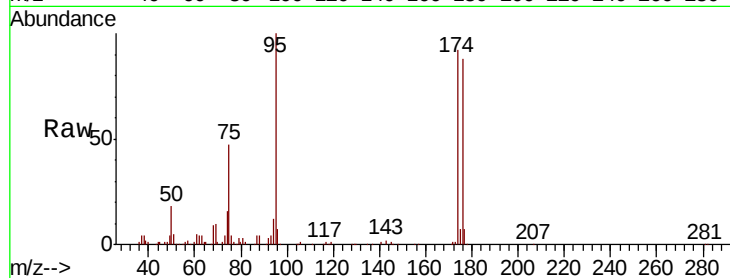




#77
t-1,4-Dichloro-2-butene
Concen: 38.02 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050500.D
Acq: 9 Aug 2018 22:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 93033
Ion Ratio Lower Upper
75 100
53 0.4 44.6 134.0#
89 0.0 20.7 62.1#



#91
Naphthalene
Concen: 7.69 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050500.D
Acq: 9 Aug 2018 22:03

Tgt Ion:128 Resp: 1194
Ion Ratio Lower Upper
128 100
127 5.6 10.2 15.4#
129 0.0 9.0 13.4#

