

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050504.D
 Acq On : 9 Aug 2018 23:41
 Operator : MD\SY
 Sample : J4418-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 07:27:34 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	122955	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	626291	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	524274	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	255490	30.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.90%
60) 4-Bromofluorobenzene	12.40	95	186803	23.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	77.30%
63) Toluene-d8	10.09	98	728790	29.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.00%

Target Compounds

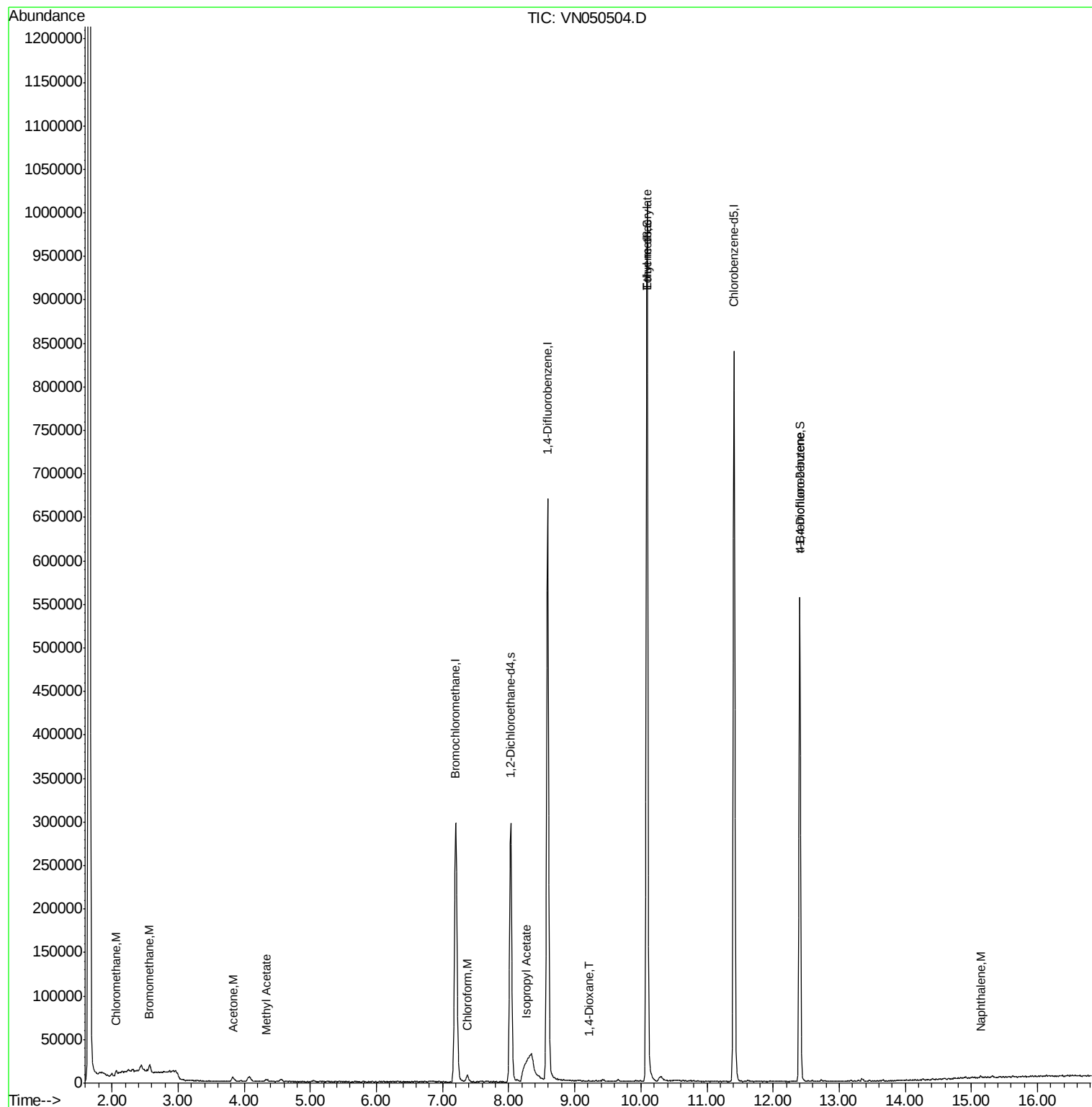
					Ovalue
3) Chloromethane	2.06	50	3975	0.46 ug/l	99
5) Bromomethane	2.57	94	4542	0.80 ug/l	100
12) Methyl Acetate	4.33	43	2910	0.39 ug/l	94
15) Acetone	3.82	58	2389	3.59 ug/l	77
25) Chloroform	7.37	83	8432	0.62 ug/l	92
44) Isopropyl Acetate	8.25	43	18091	1.53 ug/l #	58
45) 1,4-Dioxane	9.21	88	58	0.75 ug/l #	22
51) Ethyl methacrylate	10.10	69	2556	0.31 ug/l	76
77) t-1,4-Dichloro-2-butene	12.40	75	89098	38.99 ug/l #	14
91) Naphthalene	15.13	128	1689	7.72 ug/l #	69

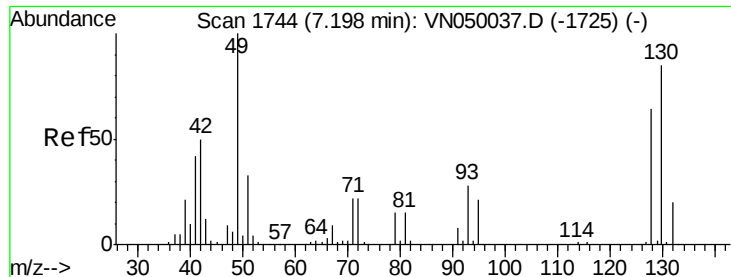
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050504.D

Acq: 9 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampled :

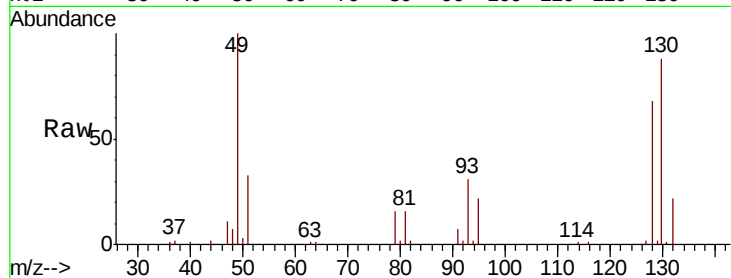
Tot Ion:128 Resp: 122955

Ion Ratio Lower Upper

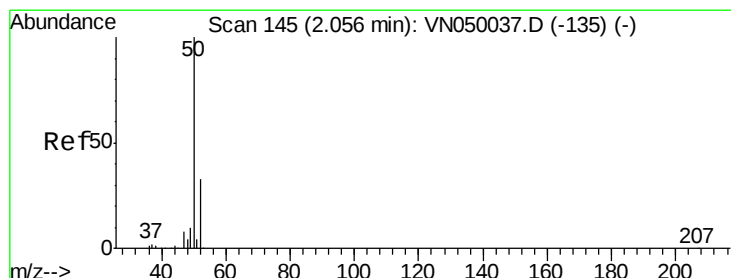
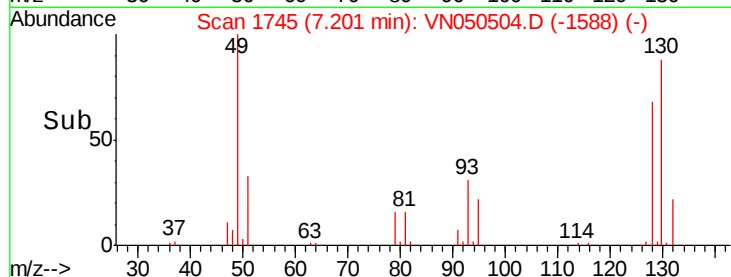
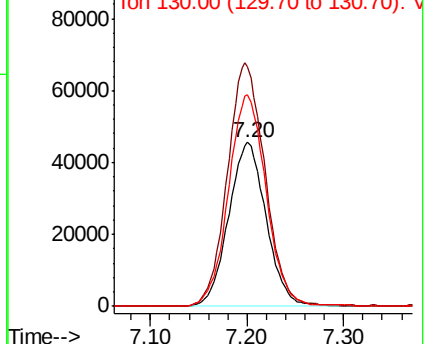
128 100

49 148.7 0.0 378.3

130 129.1 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.46 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050504.D

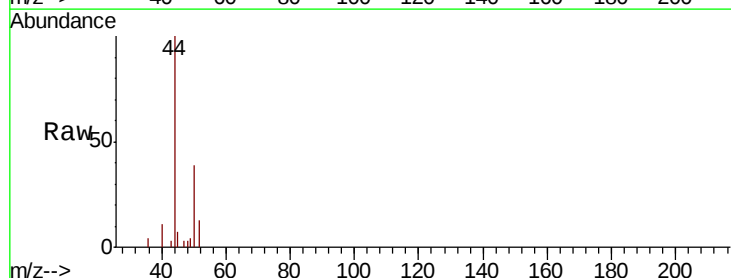
Acq: 9 Aug 2018 23:41

Tgt Ion: 50 Resp: 3975

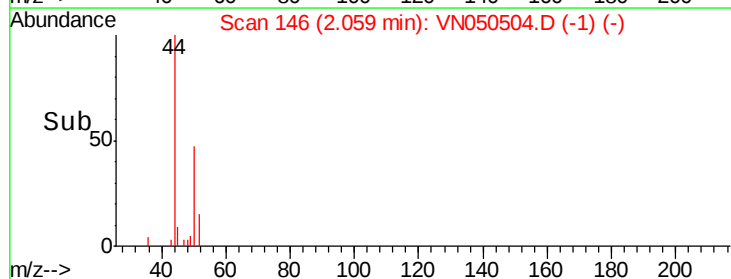
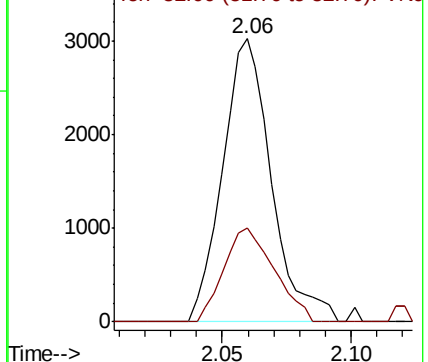
Ion Ratio Lower Upper

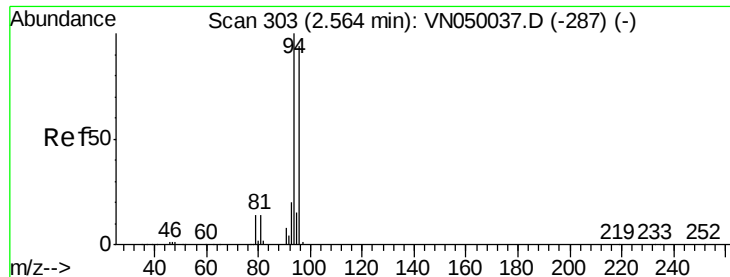
50 100

52 33.0 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN





#5

Bromomethane

Concen: 0.80 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050504.D

Acq: 9 Aug 2018 23:41

Instrument :

MSVOA_N

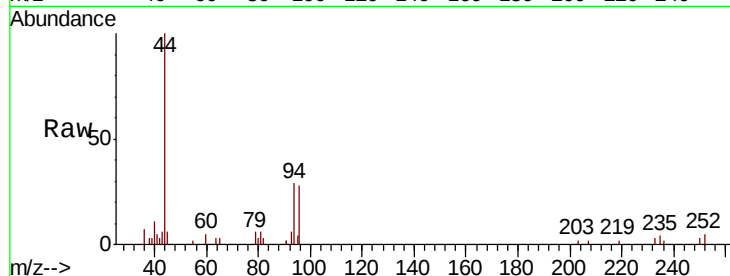
ClientSampled :

Tot Ion: 94 Resp: 4542

Ion Ratio Lower Upper

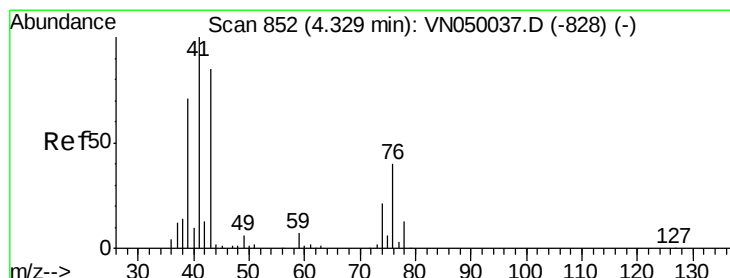
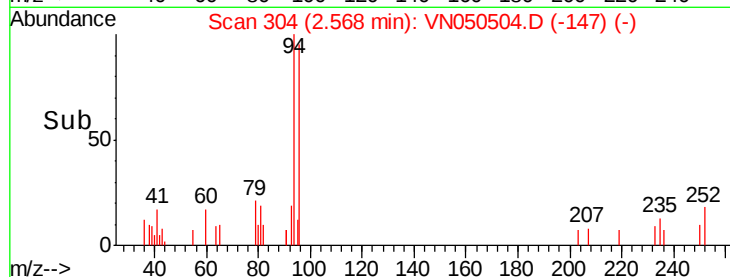
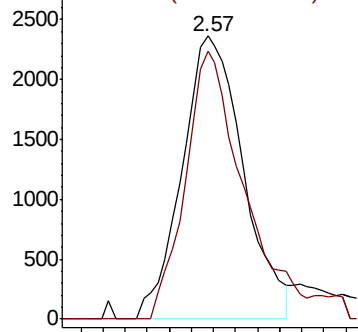
94 100

96 94.6 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: 0.39 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050504.D

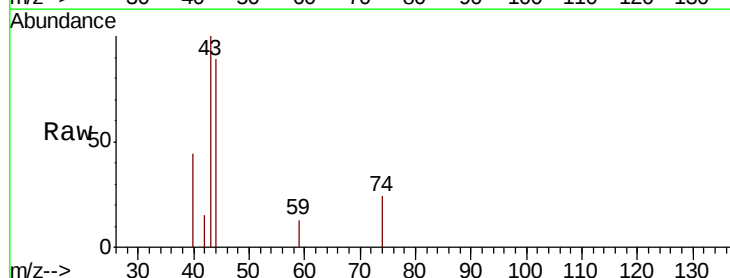
Acq: 9 Aug 2018 23:41

Tgt Ion: 43 Resp: 2910

Ion Ratio Lower Upper

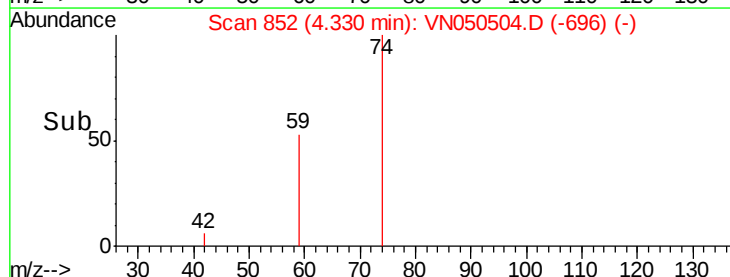
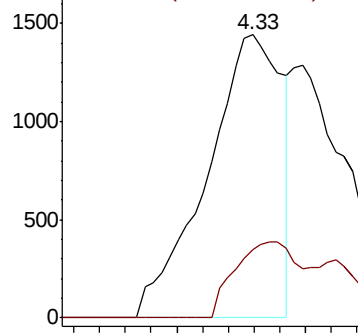
43 100

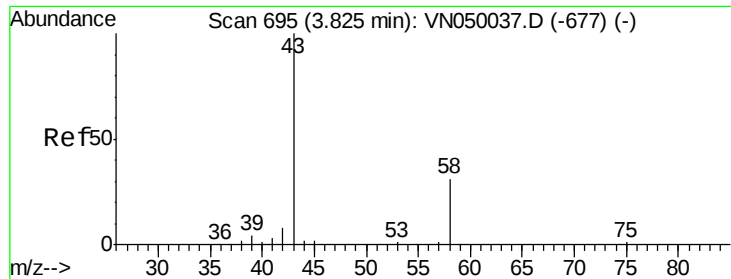
74 21.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 3.59 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050504.D

Acq: 9 Aug 2018 23:41

Instrument :

MSVOA_N

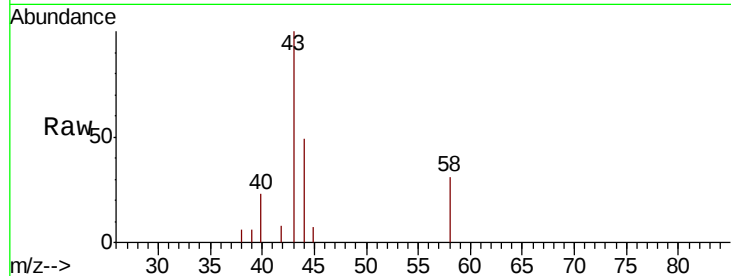
ClientSampled :

Tot Ion: 58 Resp: 2389

Ion Ratio Lower Upper

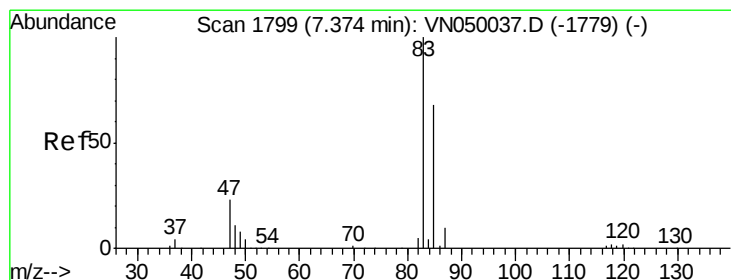
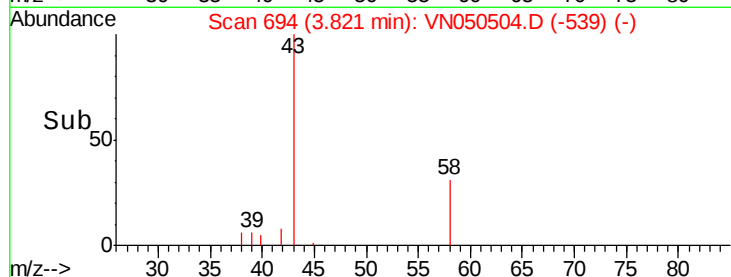
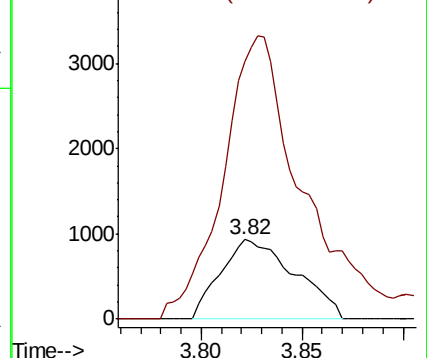
58 100

43 268.0 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#25

Chloroform

Concen: 0.62 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050504.D

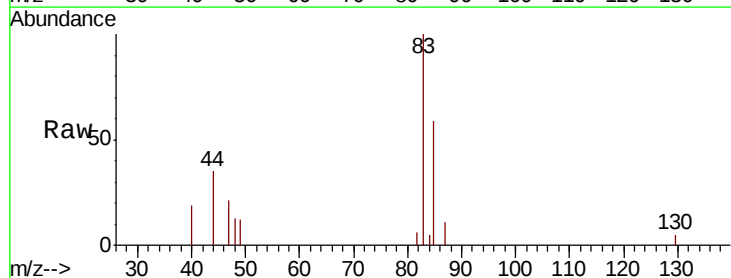
Acq: 9 Aug 2018 23:41

Tgt Ion: 83 Resp: 8432

Ion Ratio Lower Upper

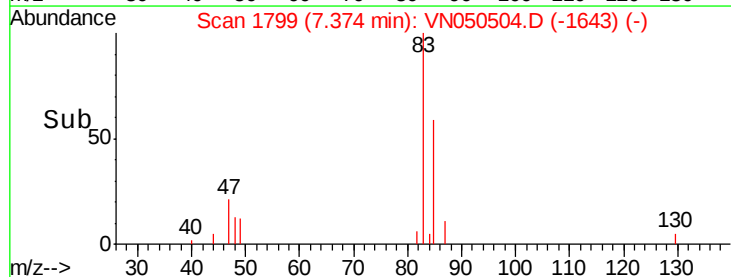
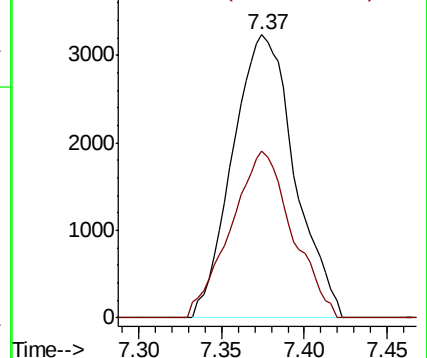
83 100

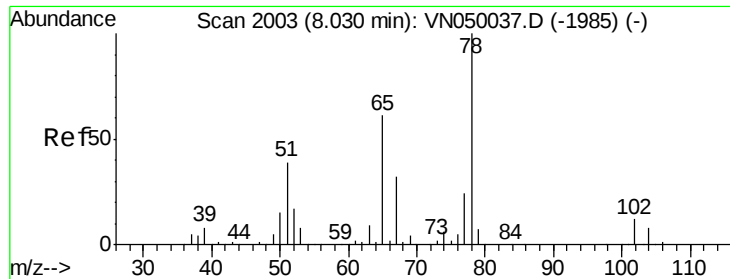
85 58.8 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.57 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050504.D

Acq: 9 Aug 2018 23:41

Instrument :

MSVOA_N

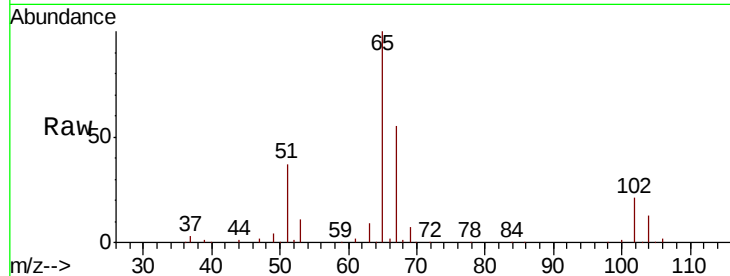
ClientSampleId :

Tot Ion: 65 Resp: 255490

Ion Ratio Lower Upper

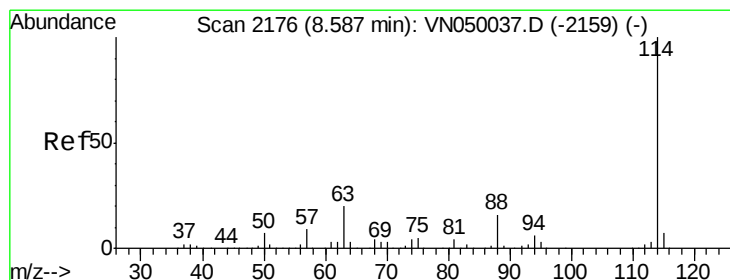
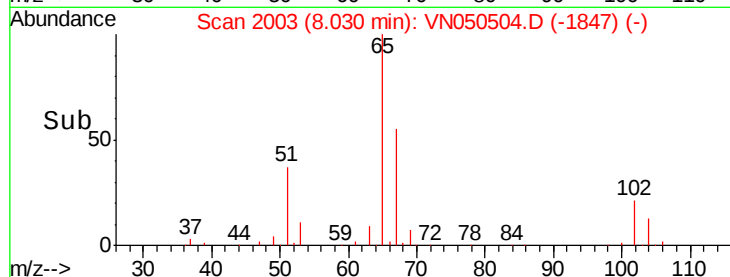
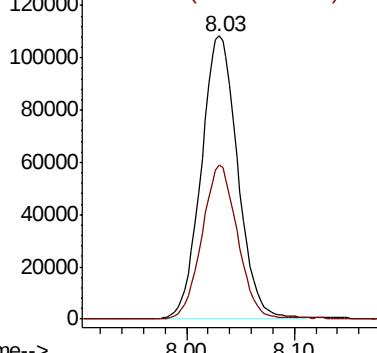
65 100

67 52.9 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050504.D

Acq: 9 Aug 2018 23:41

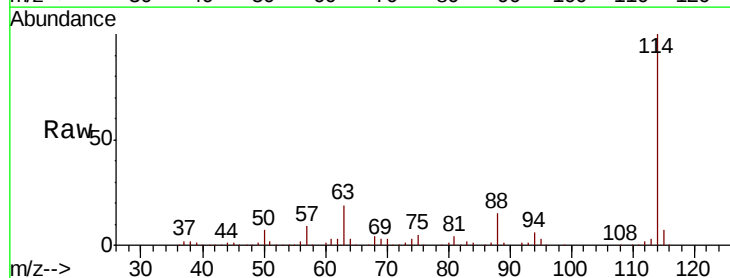
Tgt Ion: 114 Resp: 626291

Ion Ratio Lower Upper

114 100

63 19.2 16.2 24.2

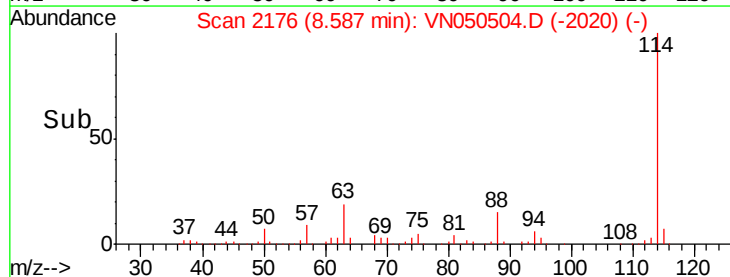
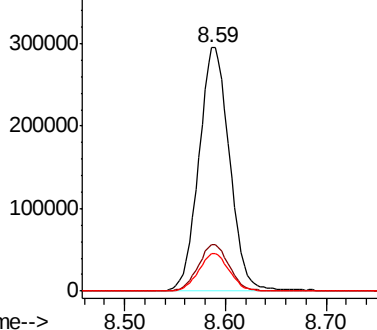
88 15.3 12.3 18.5

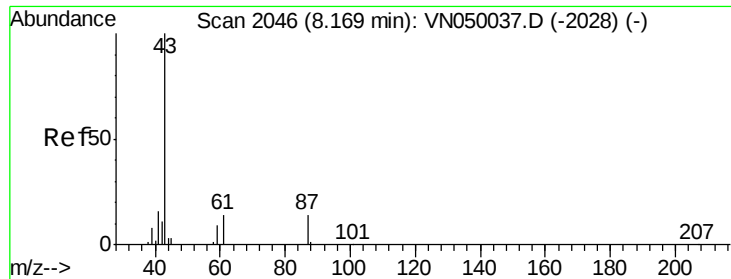


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

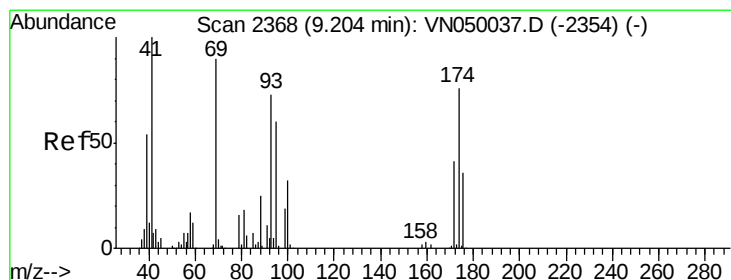
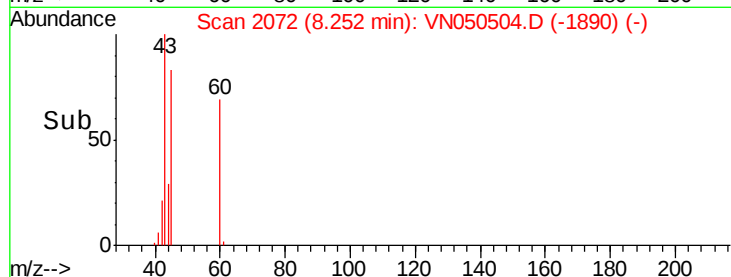
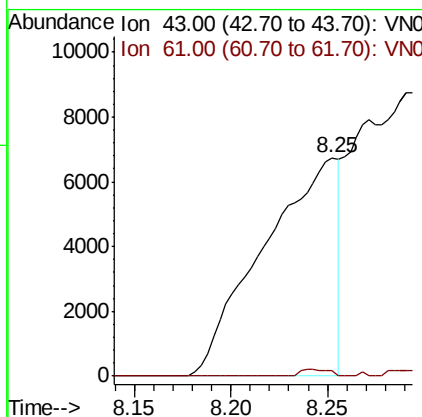
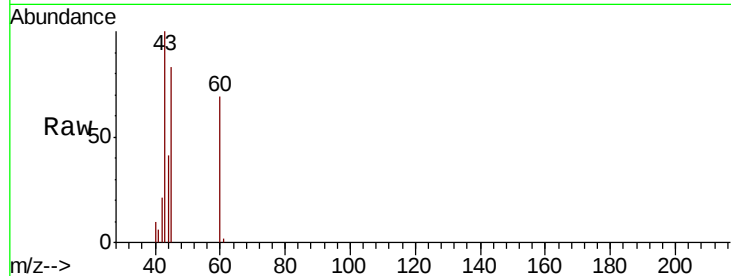




#44
Isopropyl Acetate
Concen: 1.53 ug/l
RT: 8.25 min Scan# 2072
Delta R.T. 0.08 min
Lab File: VN050504.D
Acq: 9 Aug 2018 23:41

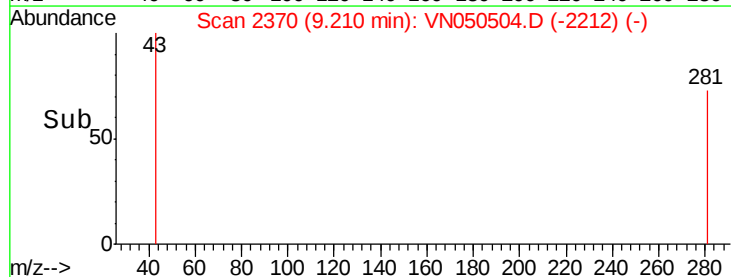
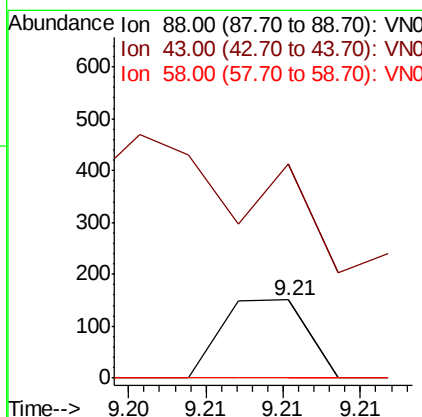
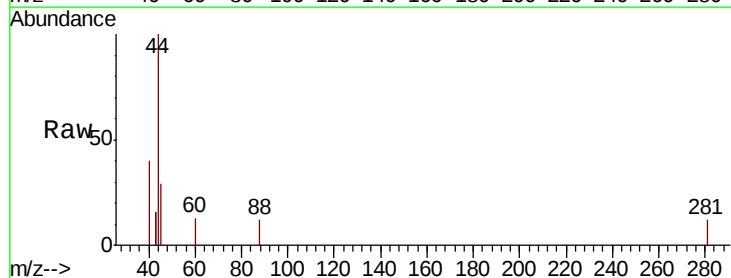
Instrument :
MSVOA_N
ClientSampleId :

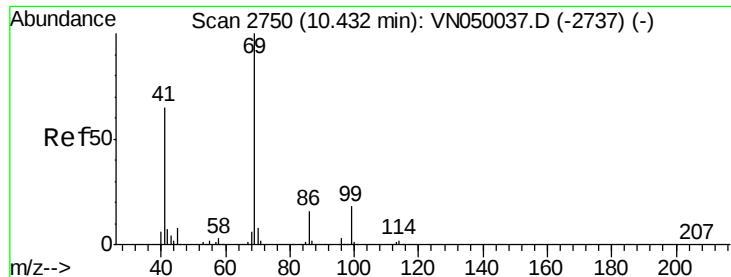
Tot Ion: 43 Resp: 18091
Ion Ratio Lower Upper
43 100
61 1.0 16.4 24.6#



#45
1,4-Dioxane
Concen: 0.75 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN050504.D
Acq: 9 Aug 2018 23:41

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 72.4 26.9 40.3#
58 0.0 53.6 80.4#

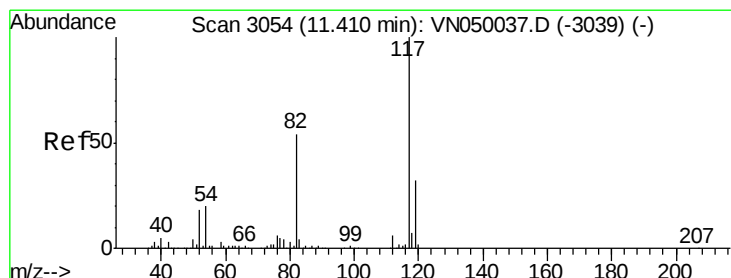
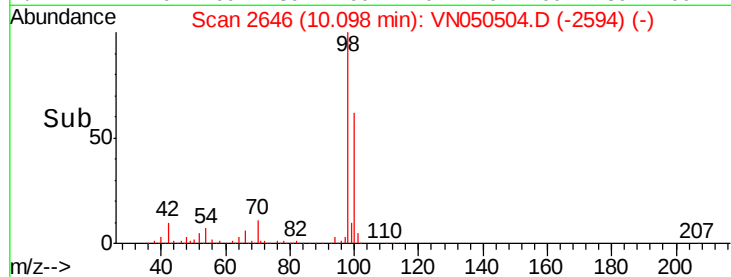
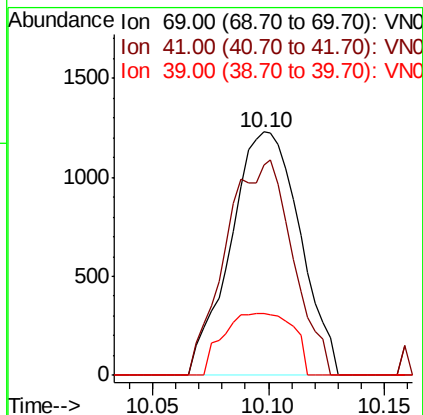
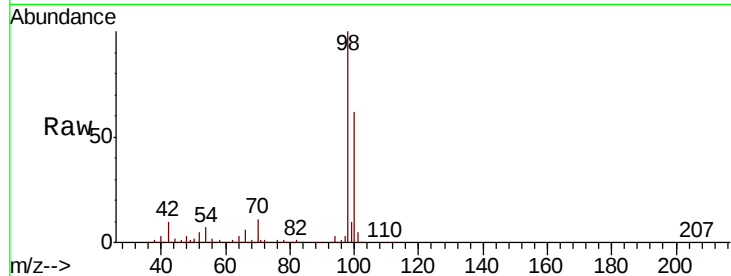




#51
Ethyl methacrylate
Concen: 0.31 ug/l
RT: 10.10 min Scan# 2646
Delta R.T. -0.33 min
Lab File: VN050504.D
Acq: 9 Aug 2018 23:41

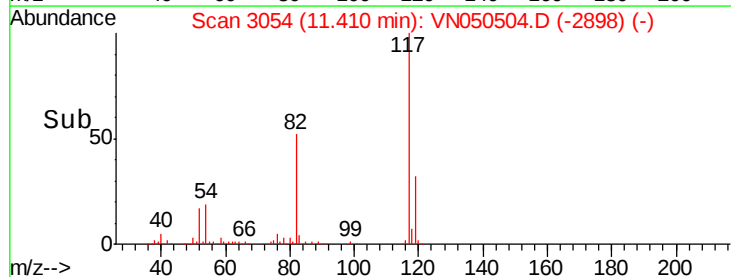
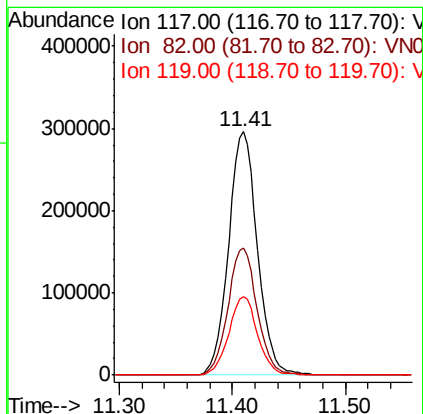
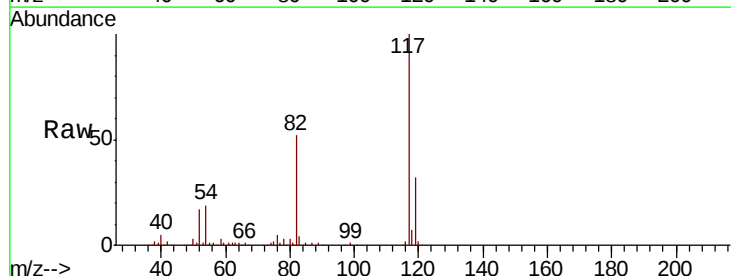
Instrument :
MSVOA_N
ClientSampleId :

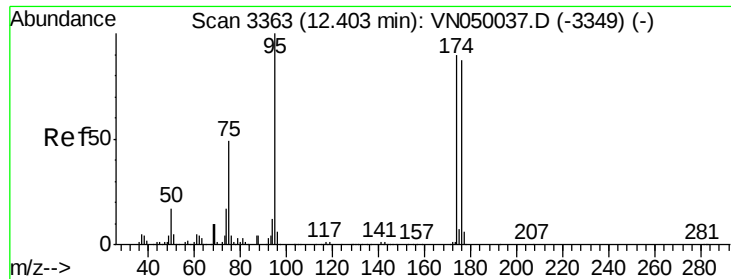
Tot Ion	Ratio	Lower	Upper
69	100		
41	86.3	31.9	95.9
39	25.5	16.7	50.1



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050504.D
Acq: 9 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.4	63.6
119	32.6	25.4	38.0





#60

4-Bromofluorobenzene

Concen: 23.19 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050504.D

Acq: 9 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

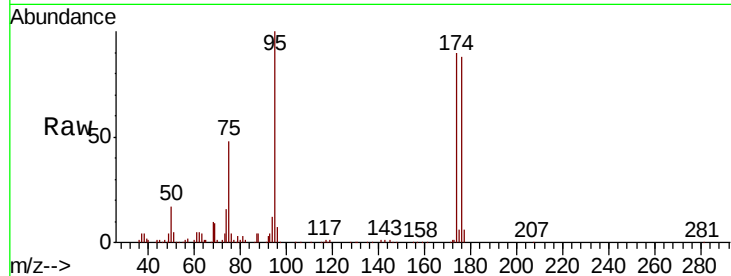
Tot Ion: 95 Resp: 186803

Ion Ratio Lower Upper

95 100

174 91.8 72.3 108.5

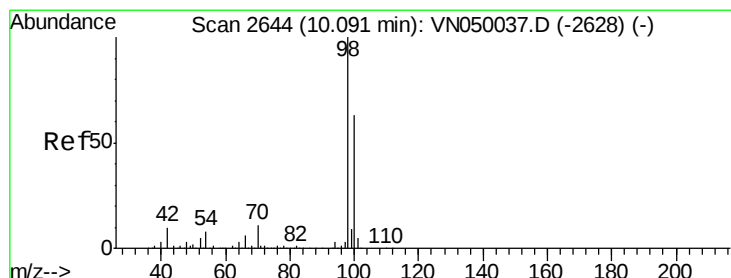
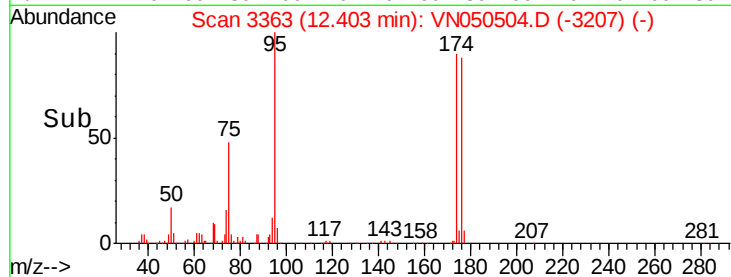
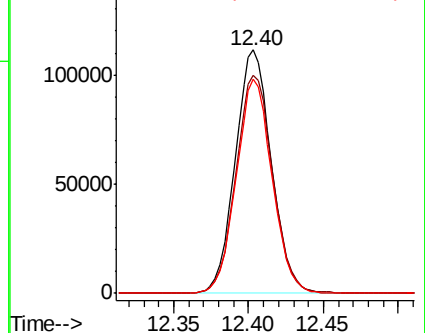
176 87.4 70.0 105.0



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: 29.10 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050504.D

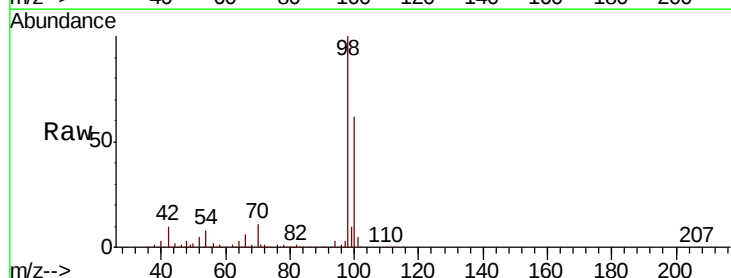
Acq: 9 Aug 2018 23:41

Tgt Ion: 98 Resp: 728790

Ion Ratio Lower Upper

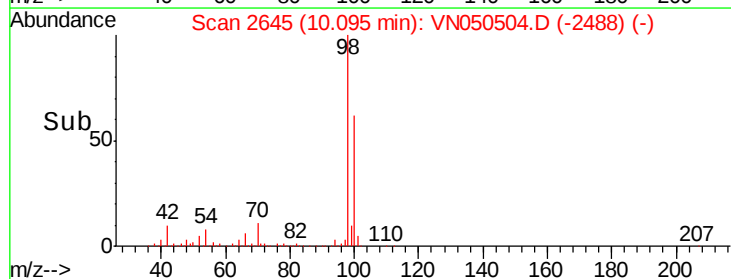
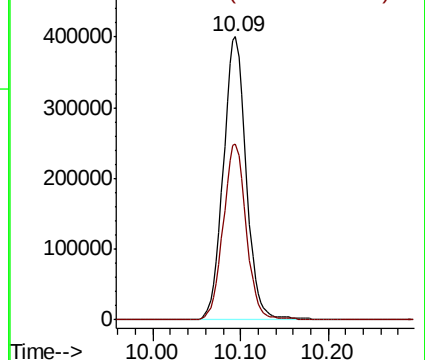
98 100

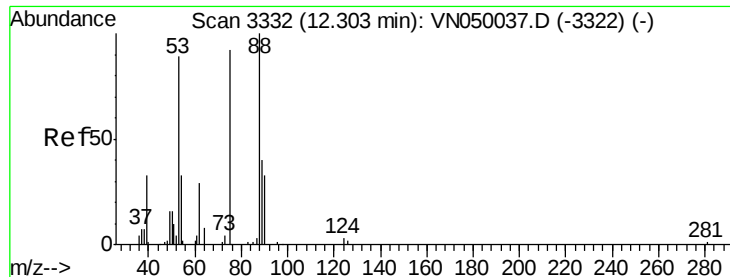
100 62.5 51.2 76.8



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: 38.99 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050504.D

Acq: 9 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

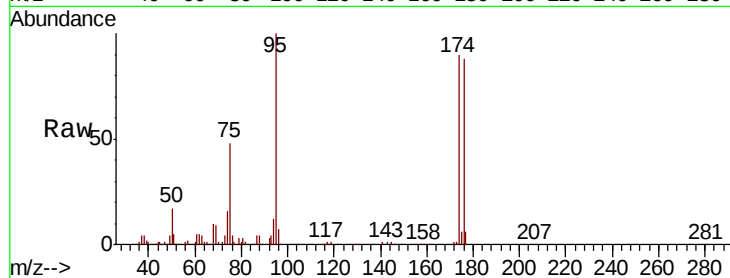
Tot Ion: 75 Resp: 89098

Ion Ratio Lower Upper

75 100

53 0.5 44.6 134.0#

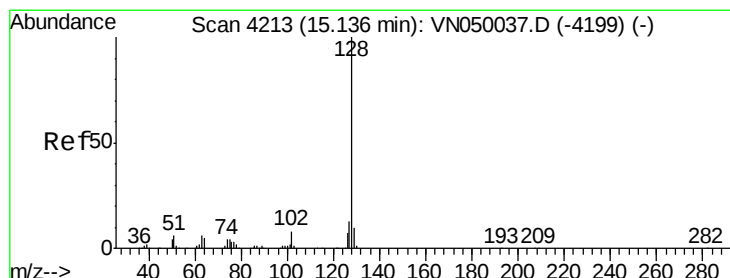
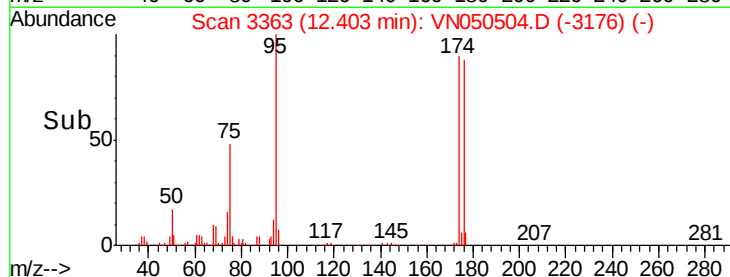
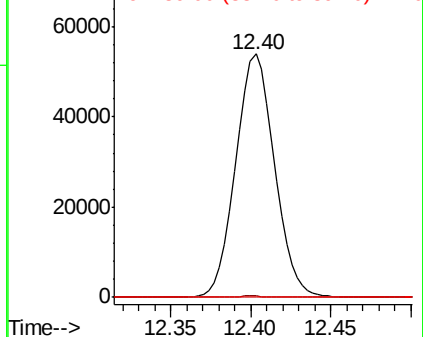
89 0.0 20.7 62.1#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#91

Naphthalene

Concen: 7.72 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050504.D

Acq: 9 Aug 2018 23:41

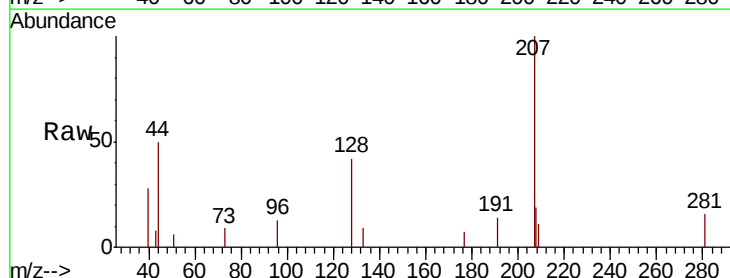
Tgt Ion: 128 Resp: 1689

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 9.0 13.4#



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

