

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052539.D
 Acq On : 29 Nov 2018 00:47
 Operator : MD\SY
 Sample : J6086-03DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3DL

Quant Time: Nov 29 02:36:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	177017	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	982947	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	797597	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	354047	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	317532	26.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.80%
63) Toluene-d8	10.09	98	1124445	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

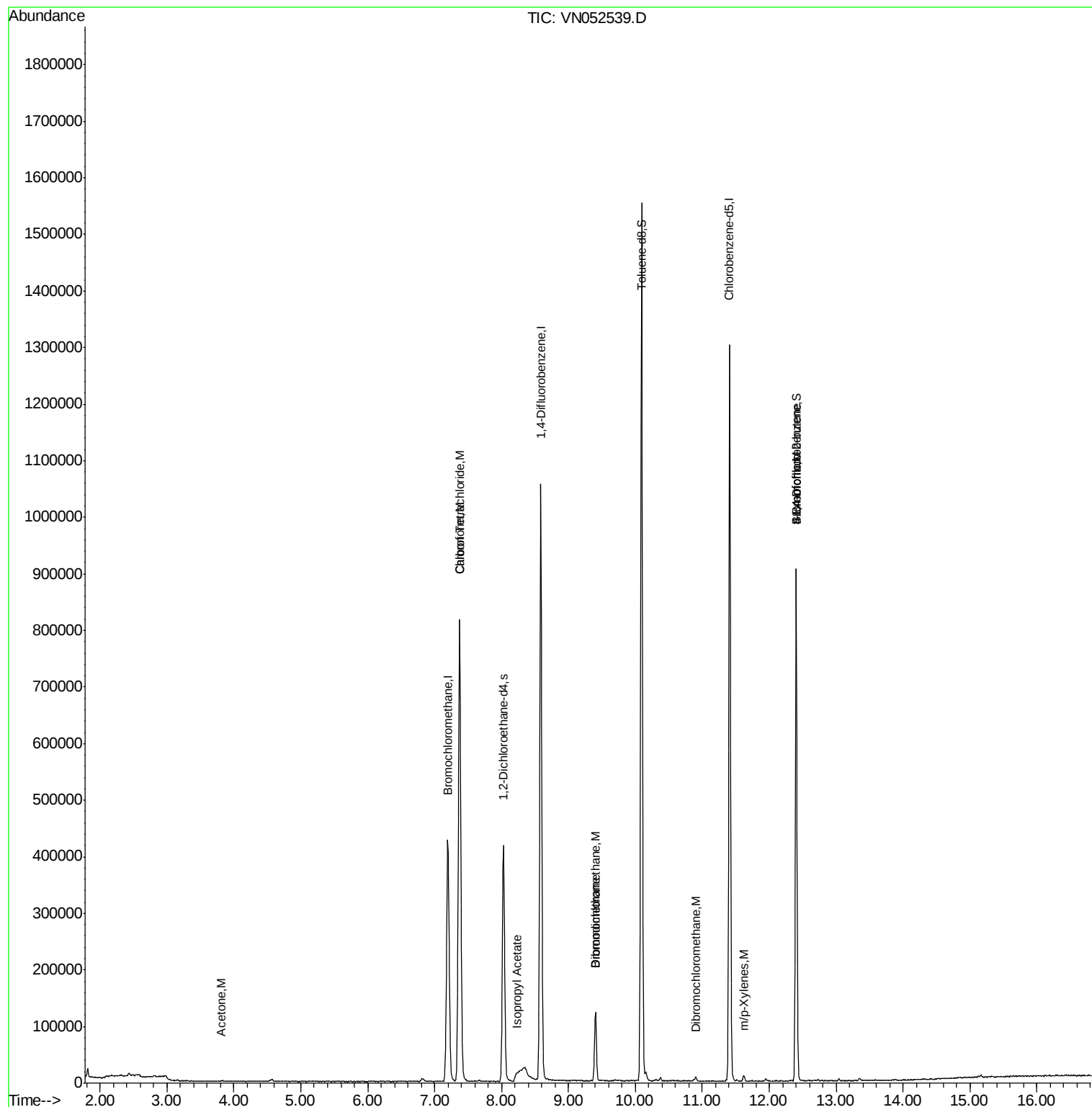
					Ovalue	
15) Acetone	3.81	58	273	0.293	ug/l #	1
25) Chloroform	7.37	83	872777	43.630	ug/l	99
33) Carbon Tetrachloride	7.37	117	10286	0.753	ug/l	92
40) Dibromomethane	9.41	93	2332	0.357	ug/l #	4
41) Bromodichloromethane	9.40	83	88880	6.154	ug/l	99
44) Isopropyl Acetate	8.22	43	7699	0.514	ug/l #	60
53) Dibromochloromethane	10.90	129	3878	0.380	ug/l	95
56) Bromoform	12.40	173	2399	0.360	ug/l #	1
67) m/p-Xylenes	11.62	106	3656	0.207	ug/l	92
77) t-1,4-Dichloro-2-butene	12.40	75	148732	55.301	ug/l #	11

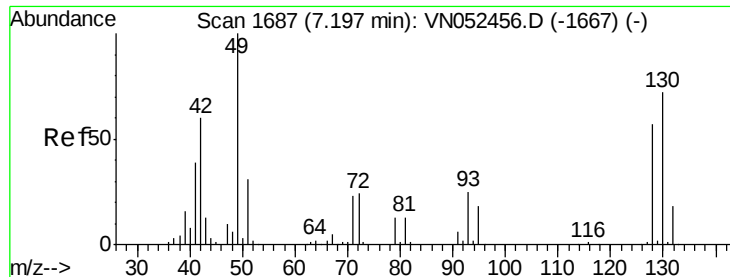
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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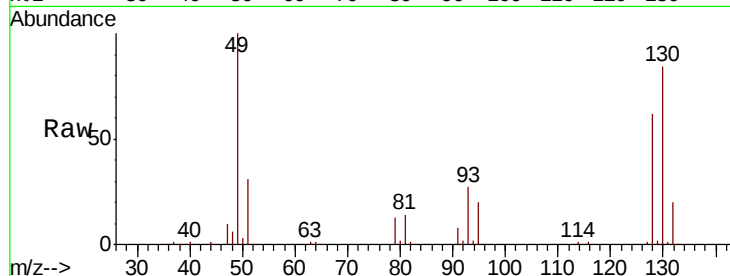




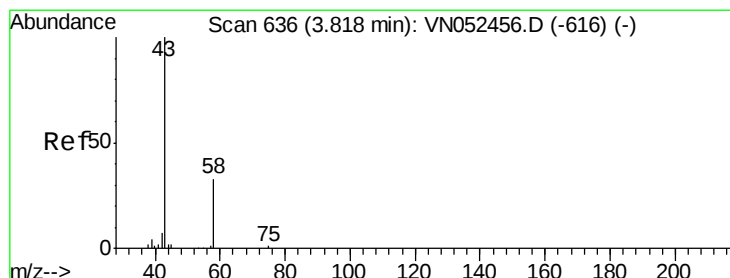
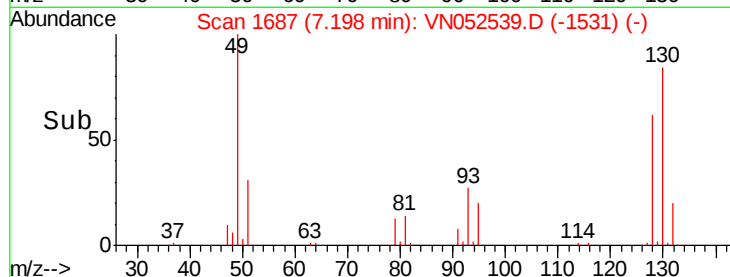
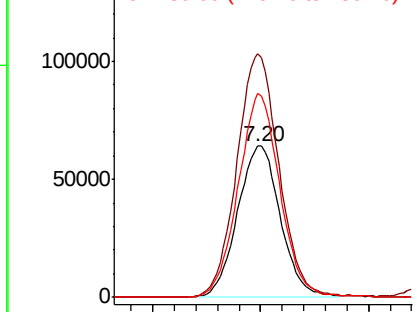
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052539.D
Acq: 29 Nov 2018 00:47

Instrument :
MSVOA_N
ClientSampled :
14B-3DL

Tot Ion:128 Resp: 177017
Ion Ratio Lower Upper
128 100
49 158.3 0.0 431.8
130 131.4 0.0 317.0

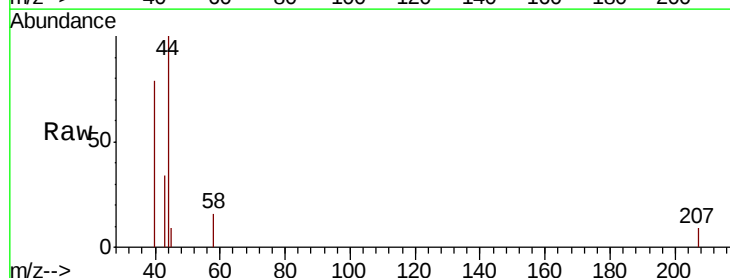


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

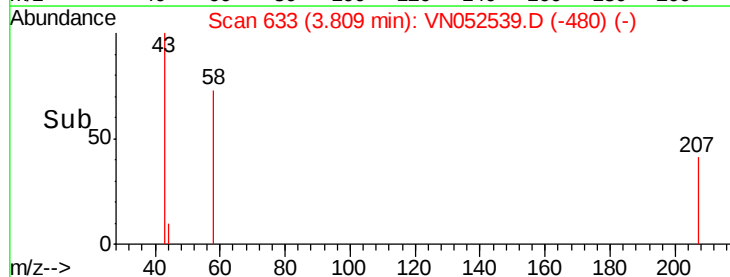
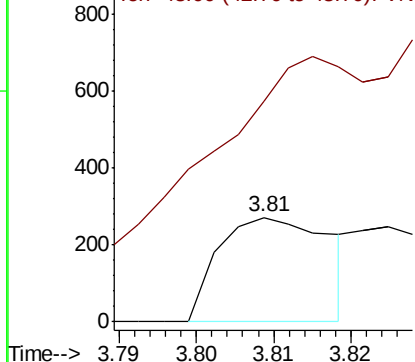


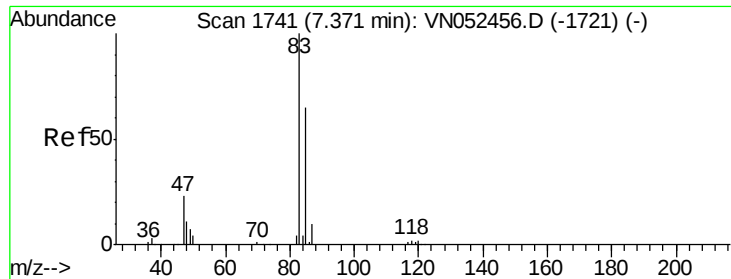
#15
Acetone
Concen: 0.293 ug/l
RT: 3.81 min Scan# 633
Delta R.T. -0.01 min
Lab File: VN052539.D
Acq: 29 Nov 2018 00:47

Tgt Ion: 58 Resp: 273
Ion Ratio Lower Upper
58 100
43 64.9 243.6 365.4#



Abundance Ion 58.00 (57.70 to 58.70): VN
Ion 43.00 (42.70 to 43.70): VN





#25

Chloroform

Concen: 43.630 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052539.D

Acq: 29 Nov 2018 00:47

Instrument :

MSVOA_N

ClientSampled :

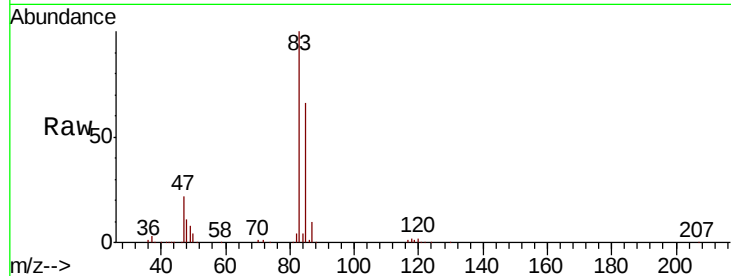
14B-3DL

Tot Ion: 83 Resp: 872777

Ion Ratio Lower Upper

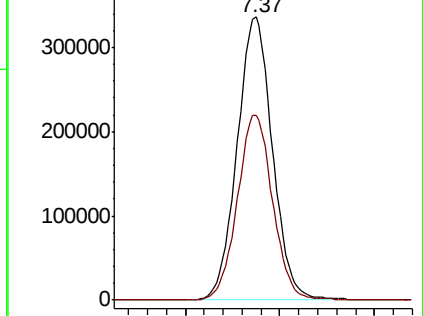
83 100

85 65.5 51.7 77.5

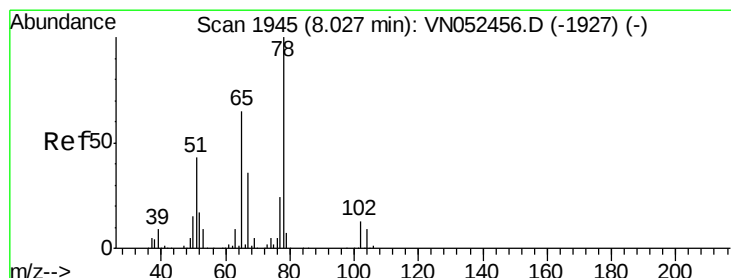
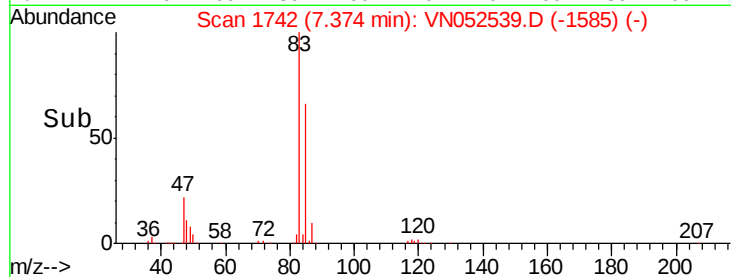


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



Time-->



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052539.D

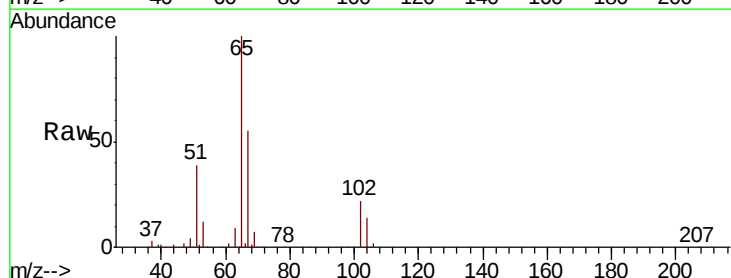
Acq: 29 Nov 2018 00:47

Tgt Ion: 65 Resp: 354047

Ion Ratio Lower Upper

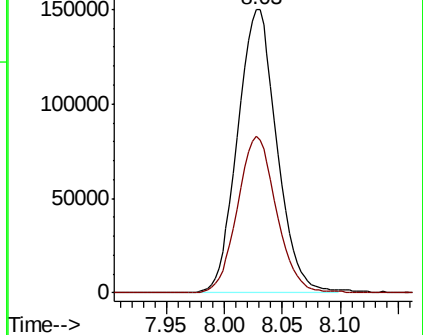
65 100

67 54.8 44.6 66.8

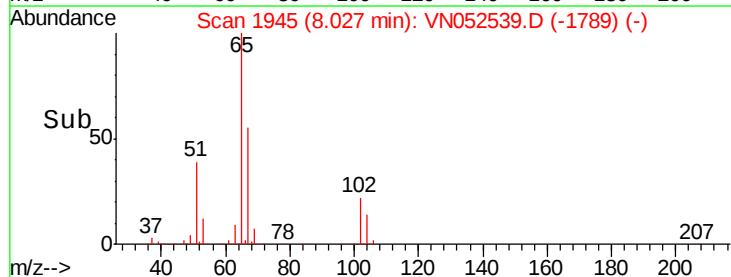


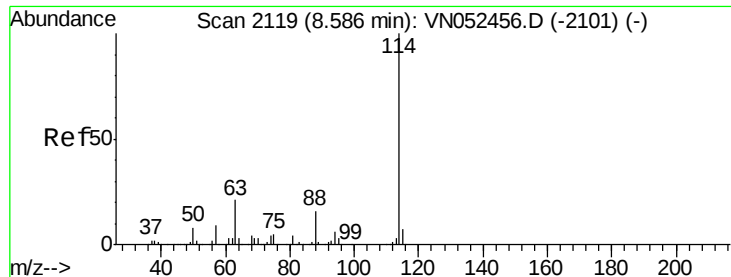
Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



Time-->

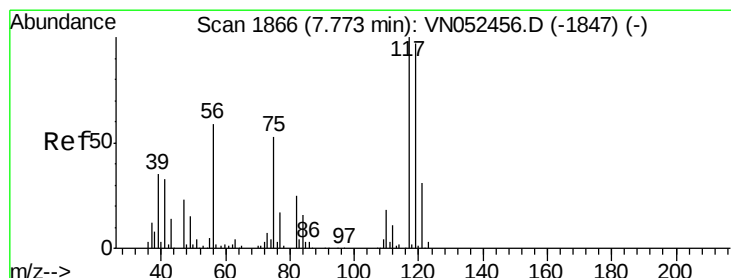
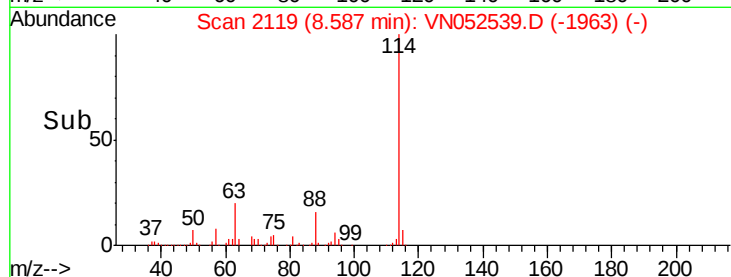
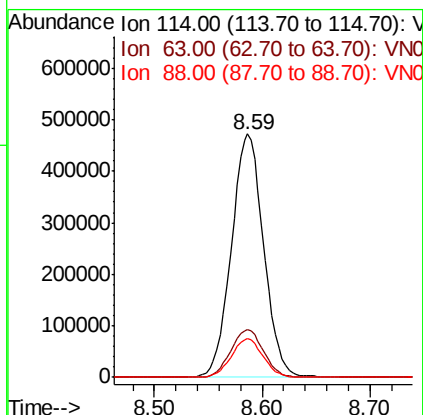
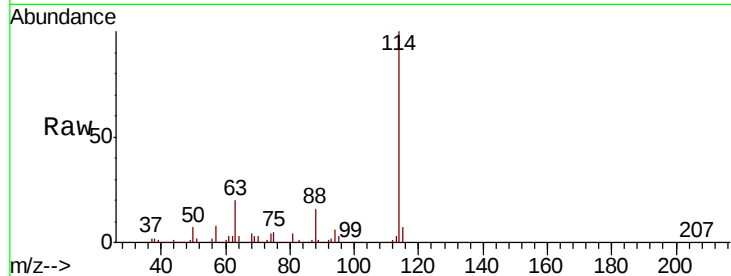




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052539.D
 Acq: 29 Nov 2018 00:47

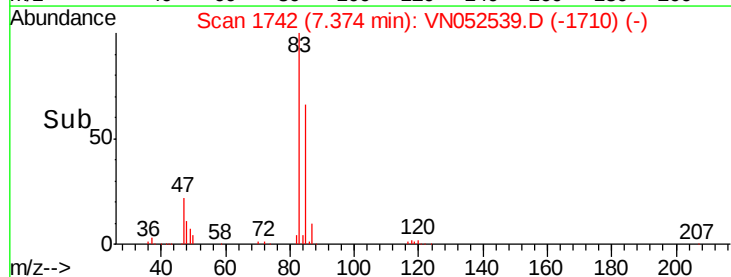
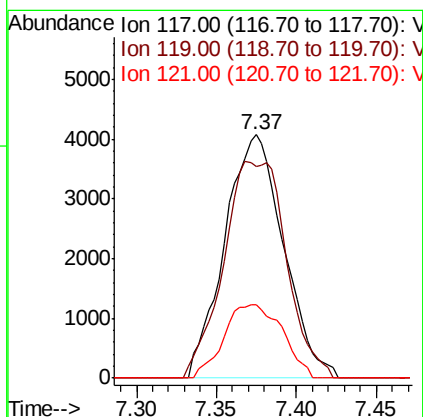
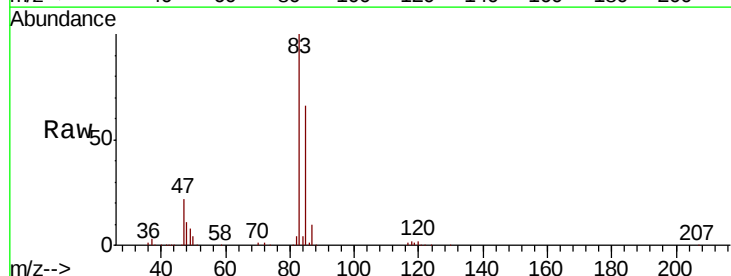
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3DL

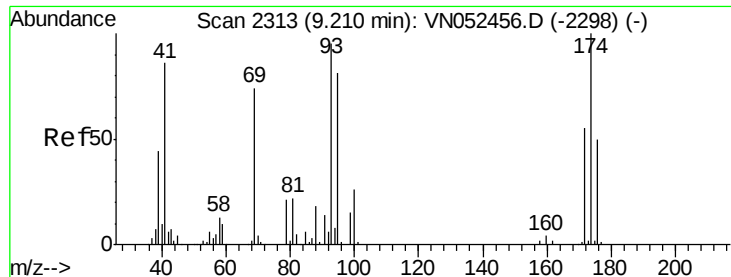
Tot Ion:114 Resp: 982947
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.9 25.3
 88 15.6 12.8 19.2



#33
 Carbon Tetrachloride
 Concen: 0.753 ug/l
 RT: 7.37 min Scan# 1742
 Delta R.T. -0.40 min
 Lab File: VN052539.D
 Acq: 29 Nov 2018 00:47

Tgt Ion:117 Resp: 10286
 Ion Ratio Lower Upper
 117 100
 119 86.8 77.3 115.9
 121 30.2 24.9 37.3





#40

Dibromomethane

Concen: 0.357 ug/l

RT: 9.41 min Scan# 2375

Delta R.T. 0.20 min

Lab File: VN052539.D

Acq: 29 Nov 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

14B-3DL

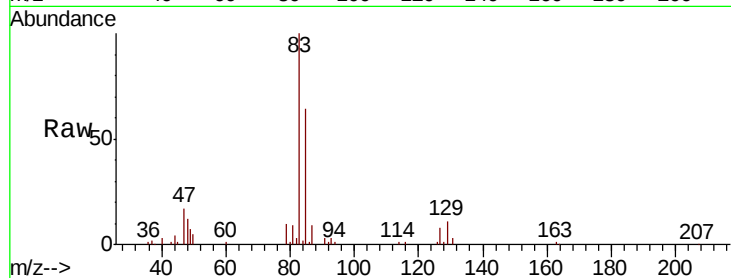
Tot Ion: 93 Resp: 2332

Ion Ratio Lower Upper

93 100

95 0.0 0.0 168.4

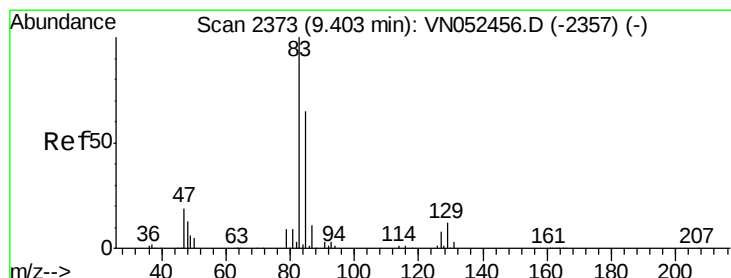
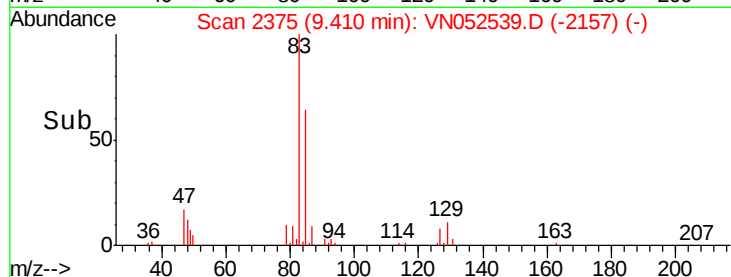
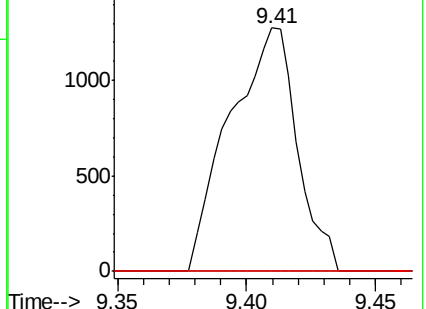
174 2.8 0.0 210.0



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V



#41

Bromodichloromethane

Concen: 6.154 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052539.D

Acq: 29 Nov 2018 00:47

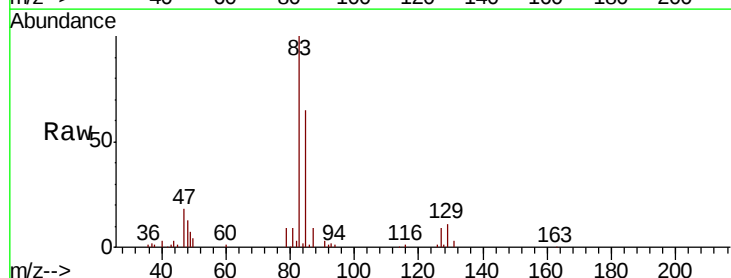
Tgt Ion: 83 Resp: 88880

Ion Ratio Lower Upper

83 100

85 65.3 52.4 78.6

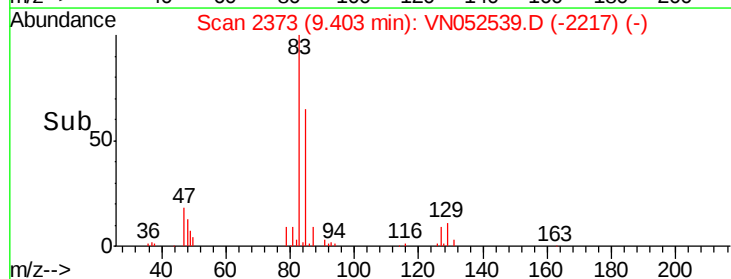
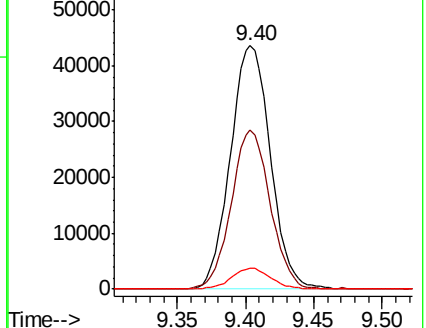
127 9.2 6.6 9.8

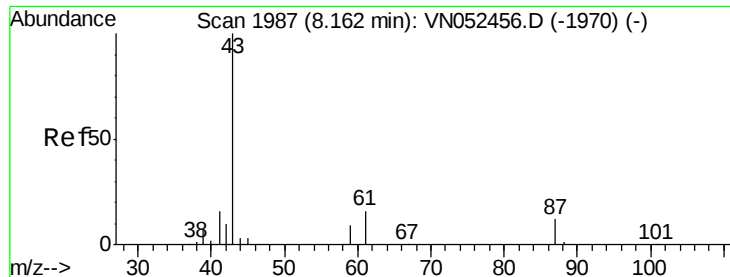


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V





#44

Isopropyl Acetate

Concen: 0.514 ug/l

RT: 8.22 min Scan# 2005

Delta R.T. 0.06 min

Lab File: VN052539.D

Acq: 29 Nov 2018 00:47

Instrument :

MSVOA_N

ClientSampled :

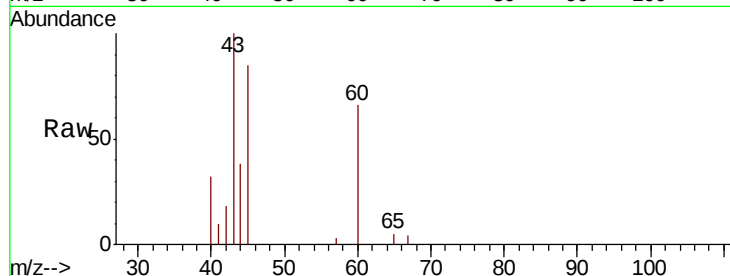
14B-3DL

Tot Ion: 43 Resp: 7699

Ion Ratio Lower Upper

43 100

61 1.4 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052456.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN052456.D (-1970) (-)

6000

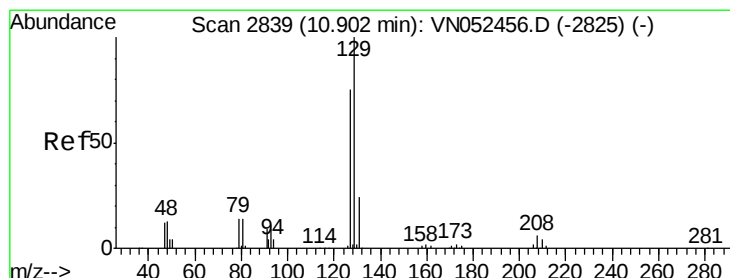
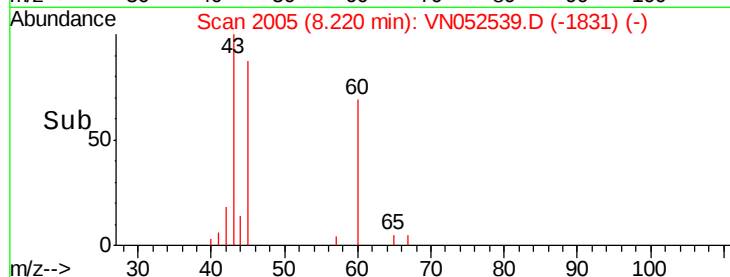
4000

2000

0

8.16 8.18 8.20 8.22 8.24

Time-->



#53

Dibromochloromethane

Concen: 0.380 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052539.D

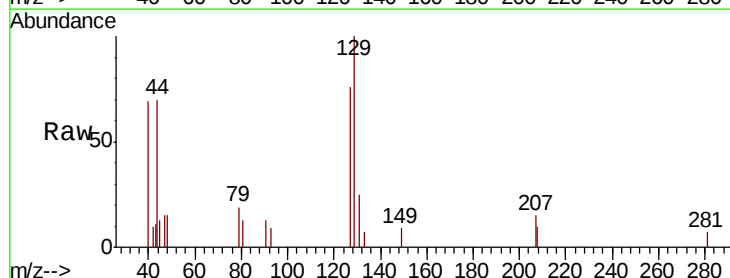
Acq: 29 Nov 2018 00:47

Tgt Ion: 129 Resp: 3878

Ion Ratio Lower Upper

129 100

127 79.8 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): VN052456.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN052456.D (-2825) (-)

2500

2000

1500

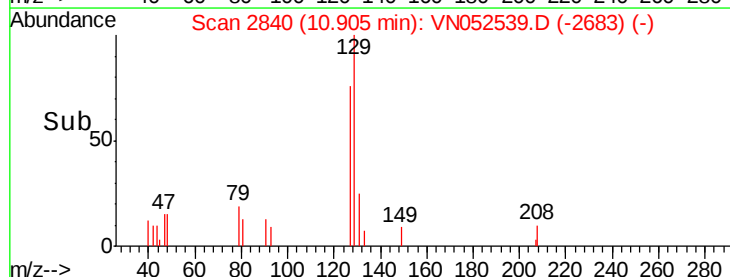
1000

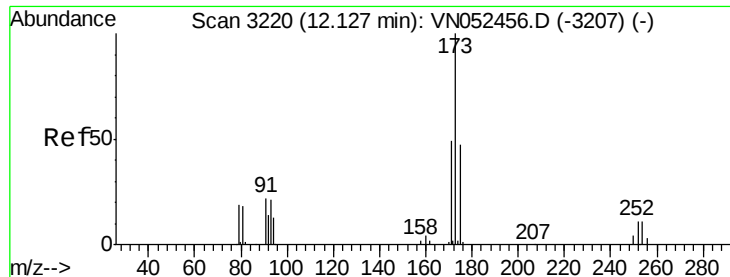
500

0

10.85 10.90

Time-->





#56

Bromoform

Concen: 0.360 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052539.D

Acq: 29 Nov 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

14B-3DL

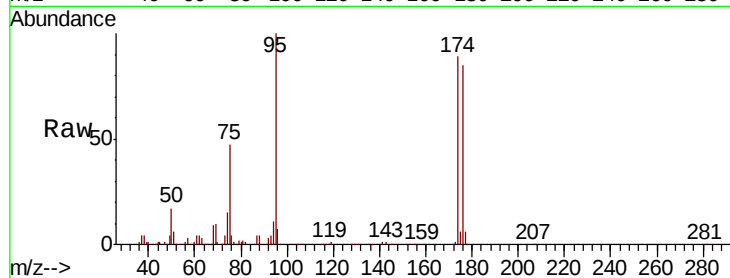
Tot Ion:173 Resp: 2399

Ion Ratio Lower Upper

173 100

175 811.4 38.7 58.1#

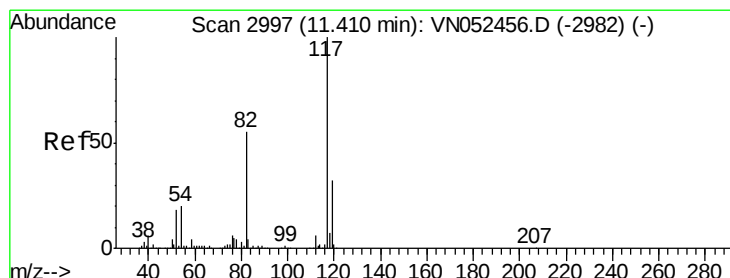
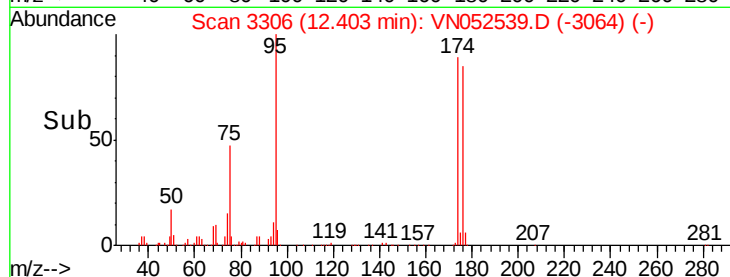
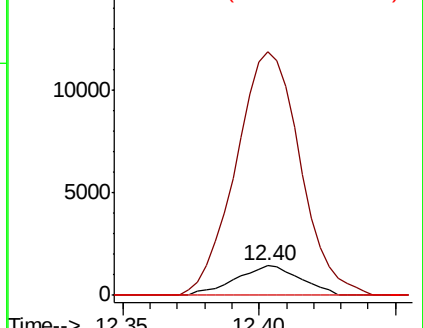
254 0.0 8.4 12.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052539.D

Acq: 29 Nov 2018 00:47

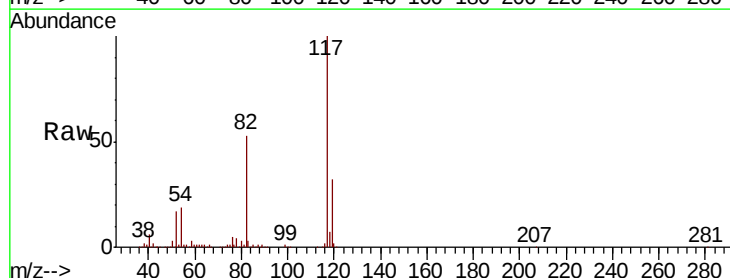
Tgt Ion:117 Resp: 797597

Ion Ratio Lower Upper

117 100

82 53.6 44.2 66.2

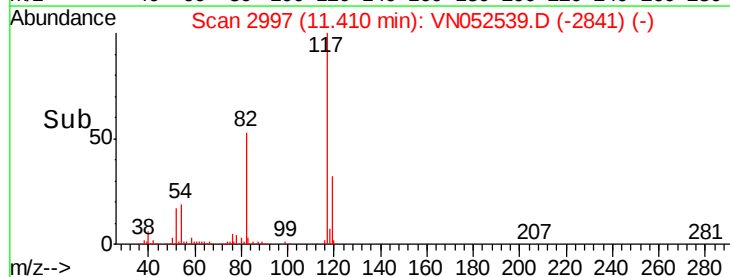
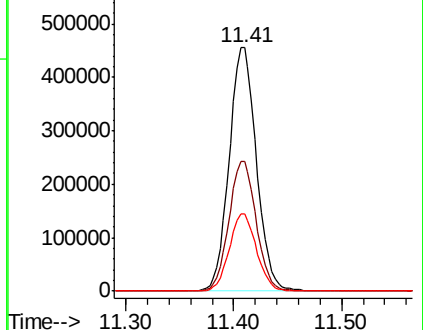
119 31.8 25.4 38.2

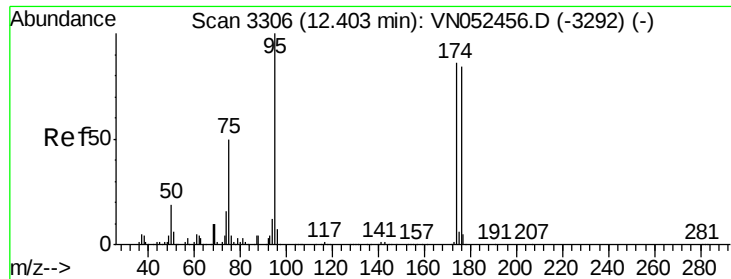


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052539.D

Acq: 29 Nov 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

14B-3DL

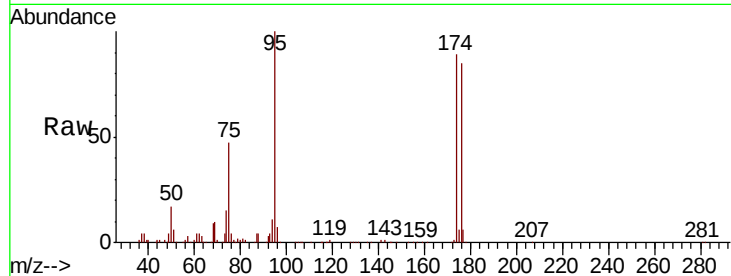
Tot Ion: 95 Resp: 317532

Ion Ratio Lower Upper

95 100

174 88.0 67.9 101.9

176 85.4 66.4 99.6

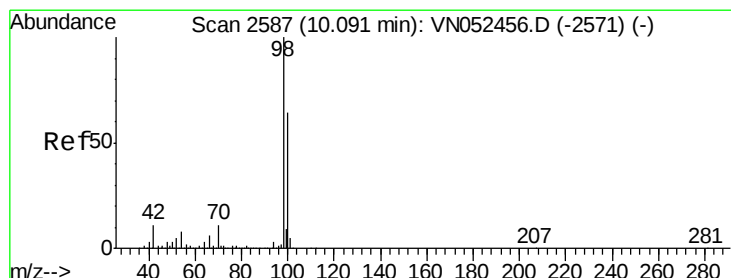
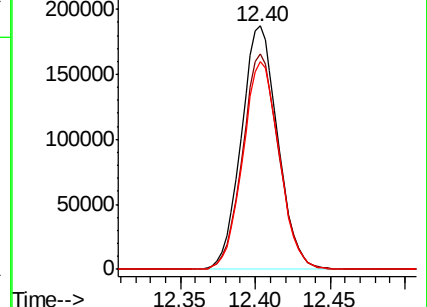
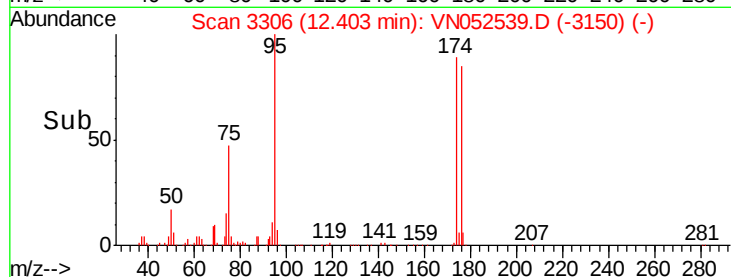


Abundance Ion 95.00 (94.70 to 95.70): VN052456.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN052456.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN052456.D (-3292) (-)

Time-->



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052539.D

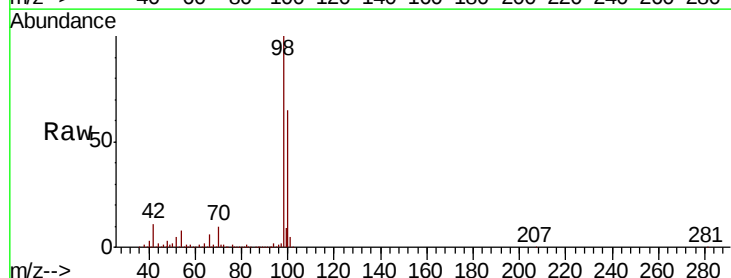
Acq: 29 Nov 2018 00:47

Tgt Ion: 98 Resp: 1124445

Ion Ratio Lower Upper

98 100

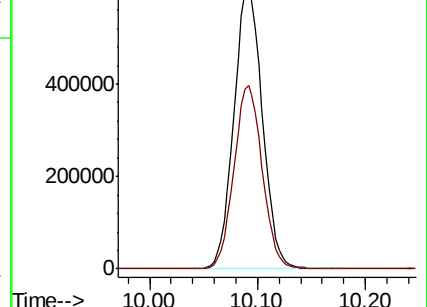
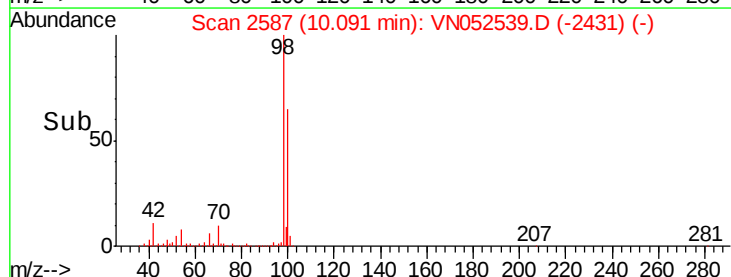
100 64.6 51.1 76.7

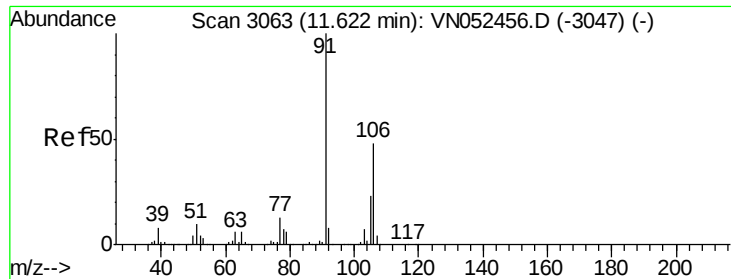


Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)

Time-->

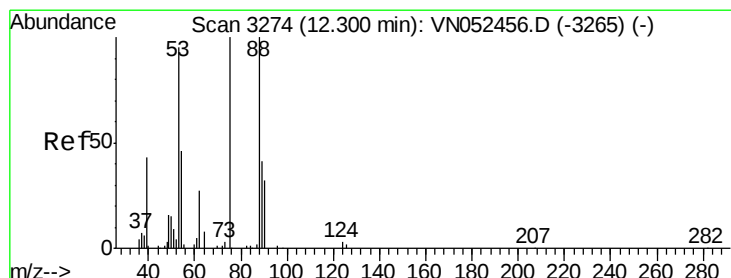
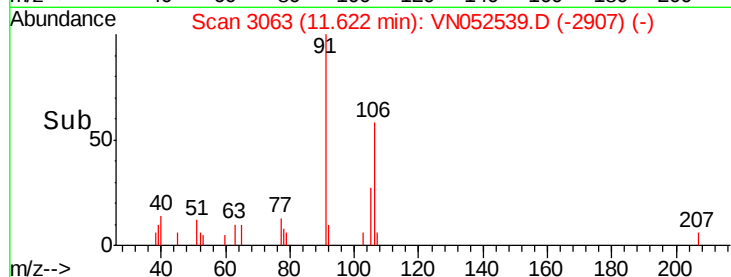
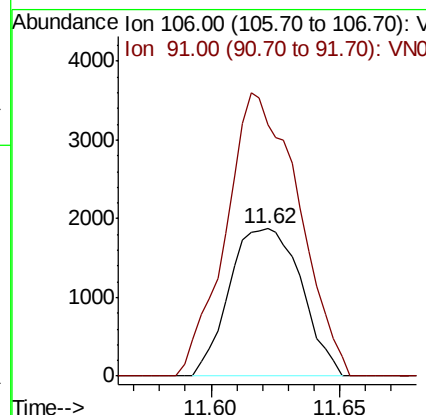
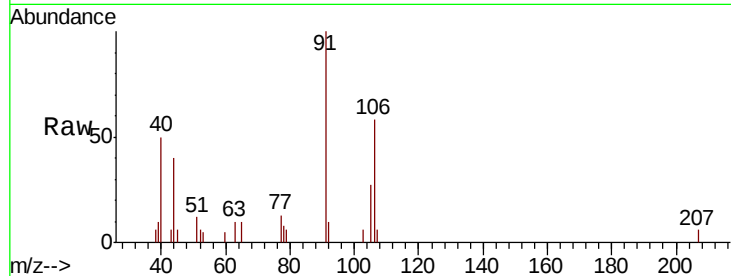




#67
m/p-Xvlenes
Concen: 0.207 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052539.D
Acq: 29 Nov 2018 00:47

Instrument :
MSVOA_N
ClientSampleId :
14B-3DL

Tot Ion:106 Resp: 3656
Ion Ratio Lower Upper
106 100
91 193.3 163.9 245.9



#77
t-1,4-Dichloro-2-butene
Concen: 55.301 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052539.D
Acq: 29 Nov 2018 00:47

Tgt Ion: 75 Resp: 148732
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.6#
89 0.0 21.7 65.1#

