

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056054.D
 Acq On : 6 Jun 2019 18:42
 Operator : JC/SP
 Sample : K3203-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604

Quant Time: Jun 07 06:32:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

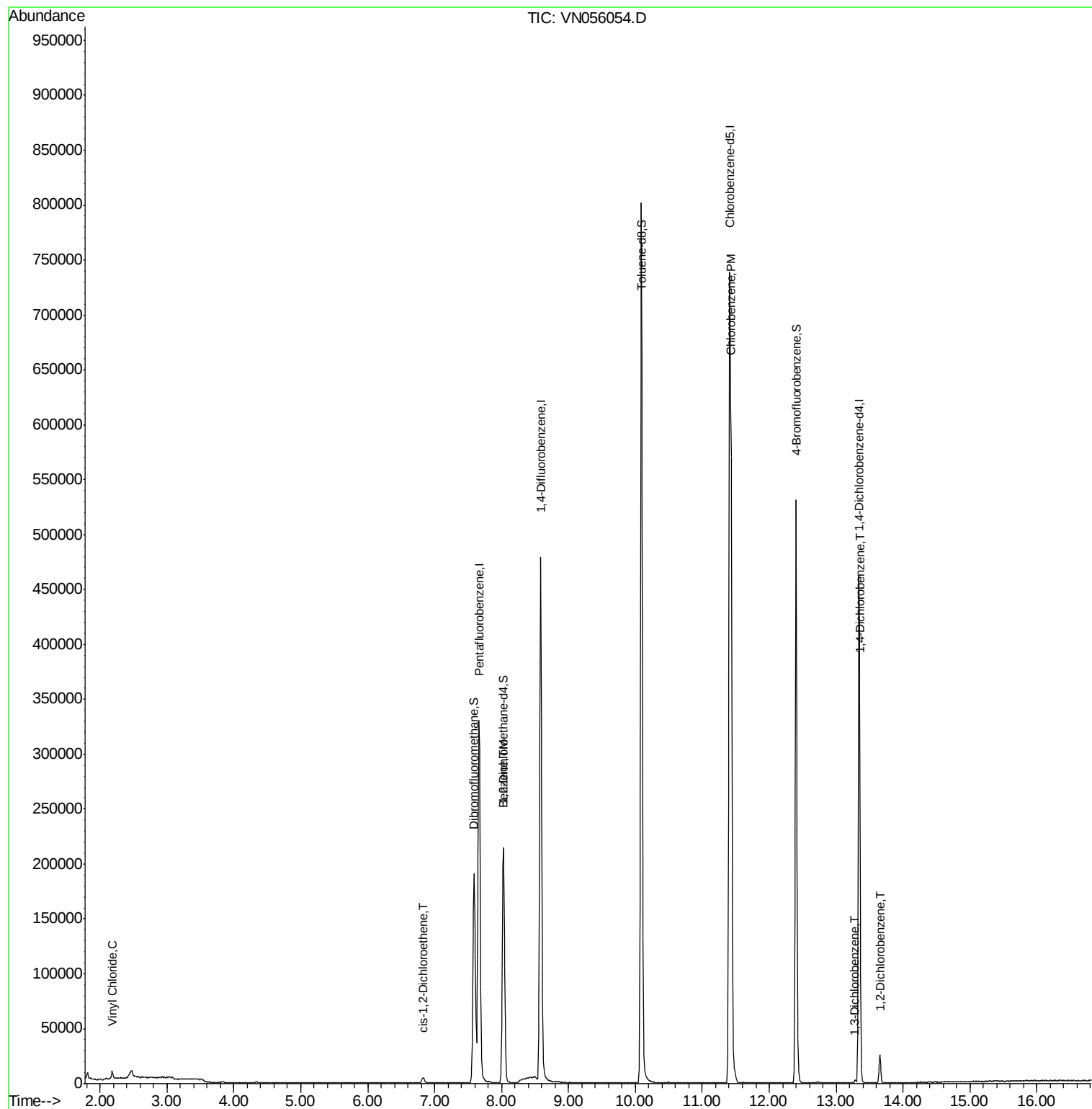
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	314764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	480724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137541	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	165836	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	7.59	113	144794	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
50) Toluene-d8	10.09	98	603249	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.40	95	187494	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.18	62	7006	2.047	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	3636	1.093	ug/l	93
40) Benzene	8.04	78	27783	2.213	ug/l	97
65) Chlorobenzene	11.43	112	308302	34.569	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1598	0.351	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	13004	2.966	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	13117	2.851	ug/l	99

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

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056054.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

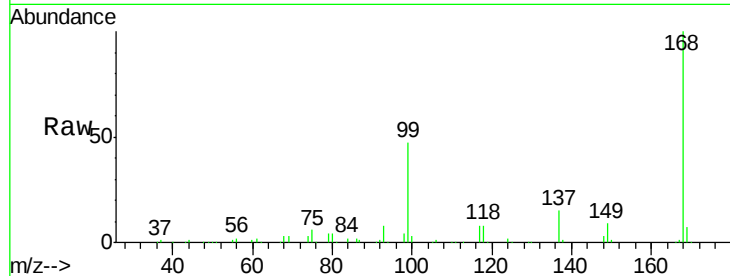
LF015RW050-190604

Tot Ion:168 Resp: 314764

Ion Ratio Lower Upper

168 100

99 47.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

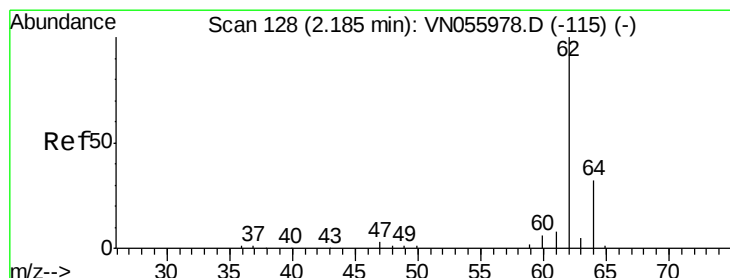
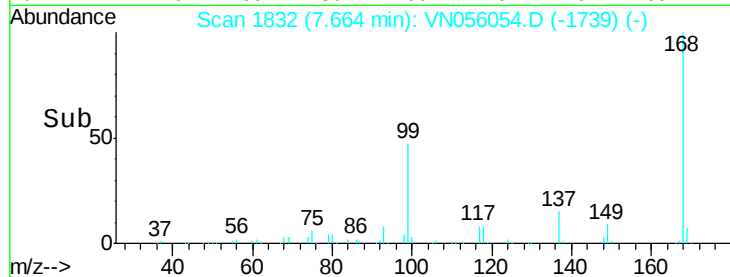
100000

50000

0

Time-->

7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 2.047 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056054.D

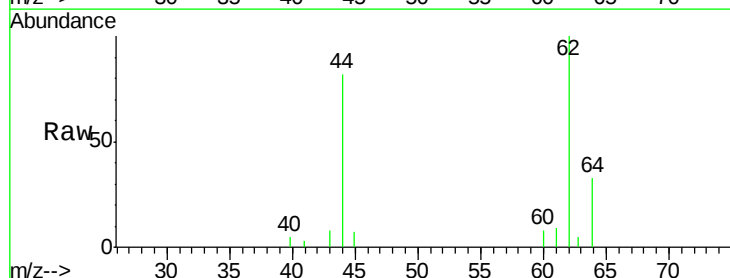
Acq: 6 Jun 2019 18:42

Tgt Ion: 62 Resp: 7006

Ion Ratio Lower Upper

62 100

64 33.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.18

5000

4000

3000

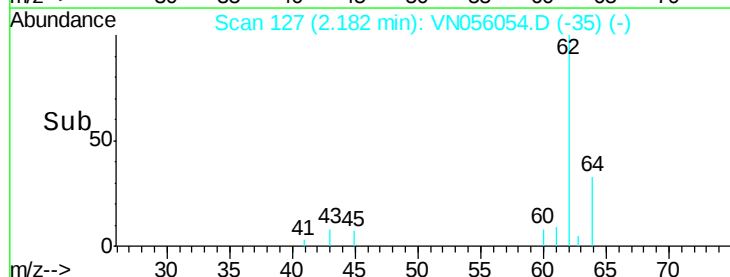
2000

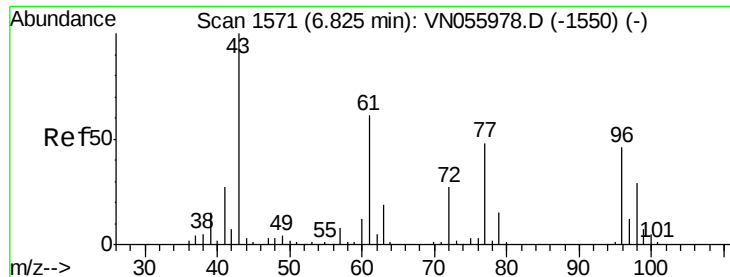
1000

0

Time-->

2.15 2.20 2.25





#27

cis-1,2-Dichloroethene

Concen: 1.093 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN056054.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604

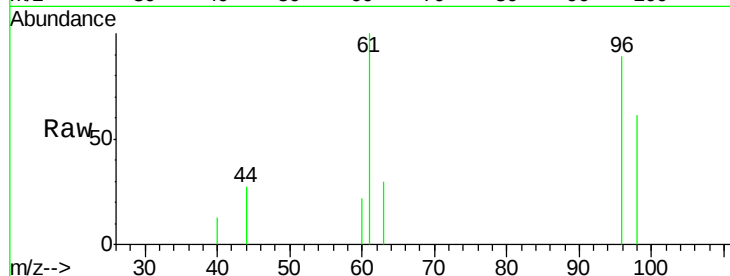
Tot Ion: 96 Resp: 3636

Ion Ratio Lower Upper

96 100

61 125.5 0.0 275.8

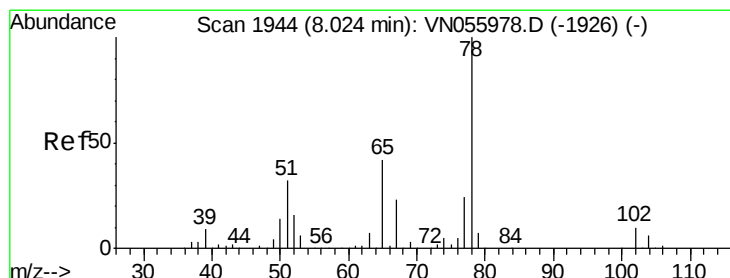
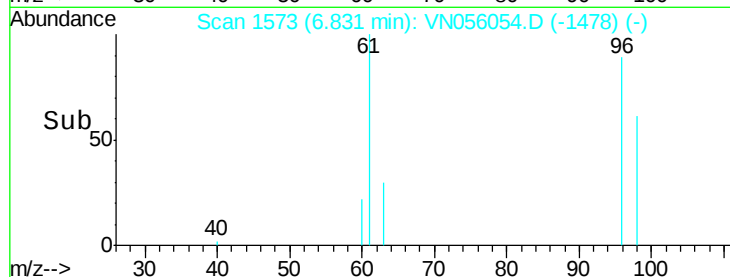
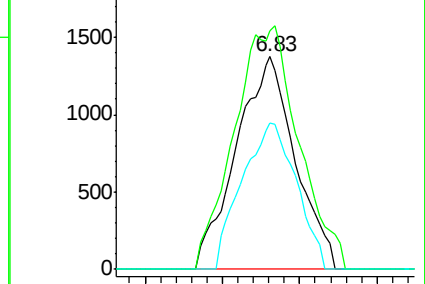
98 63.5 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.062 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056054.D

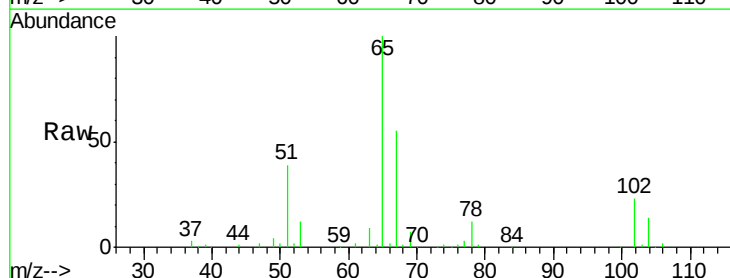
Acq: 6 Jun 2019 18:42

Tgt Ion: 65 Resp: 165836

Ion Ratio Lower Upper

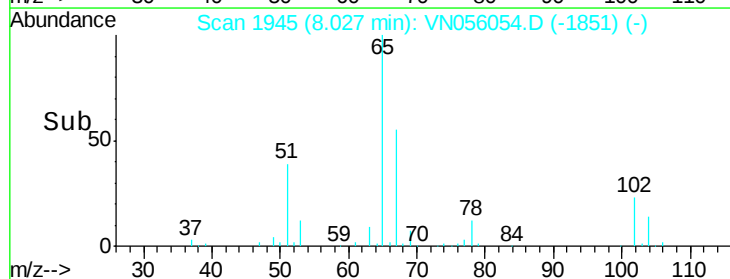
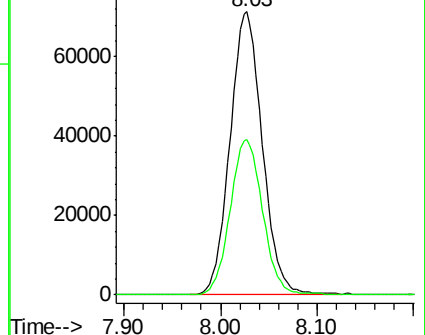
65 100

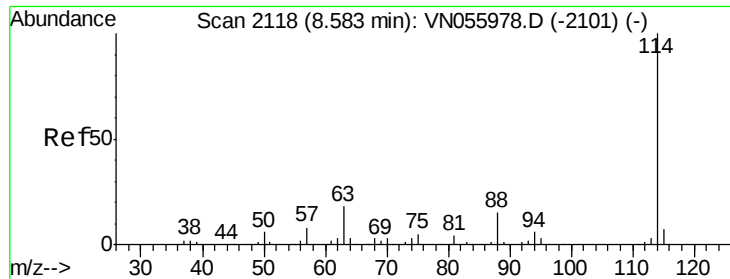
67 55.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

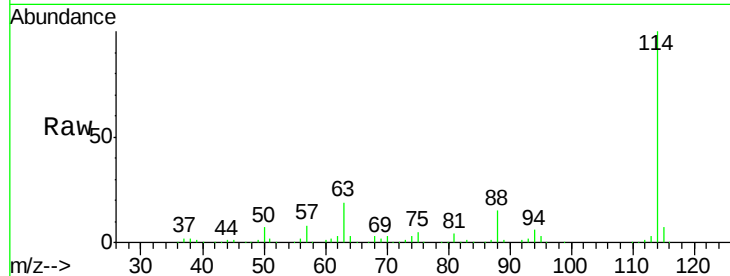




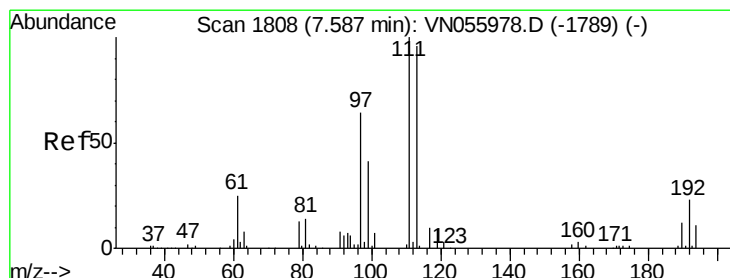
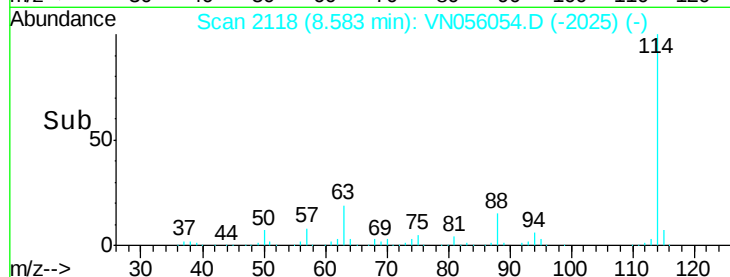
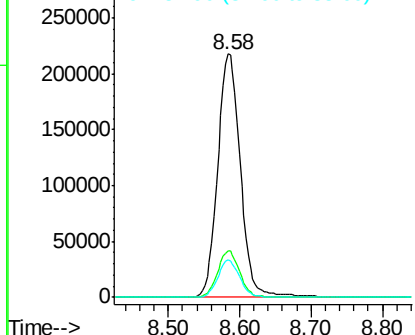
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056054.D
 Acq: 6 Jun 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604

Tot Ion:114 Resp: 480724
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.4 0.0 31.0

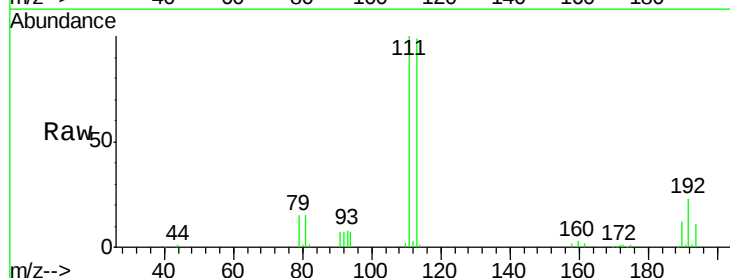


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

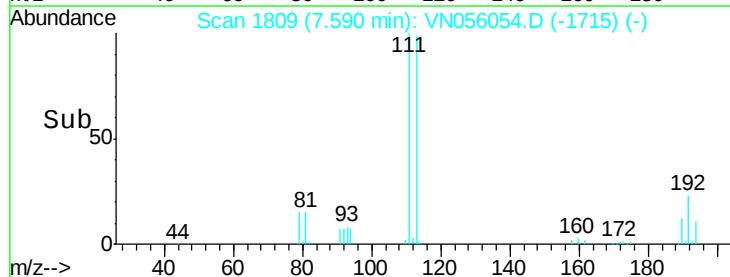
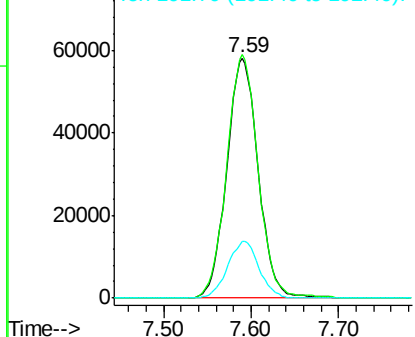


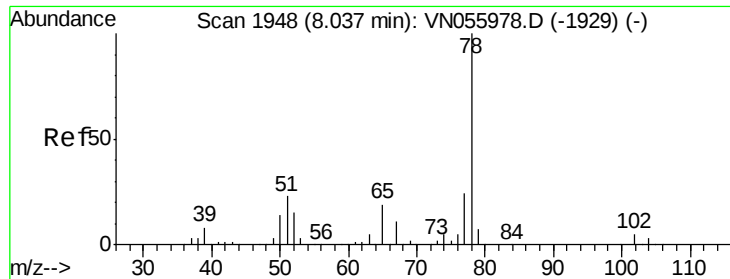
#35
 Dibromofluoromethane
 Concen: 49.093 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056054.D
 Acq: 6 Jun 2019 18:42

Tgt Ion:113 Resp: 144794
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 23.6 19.5 29.3



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





#40

Benzene

Concen: 2.213 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056054.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

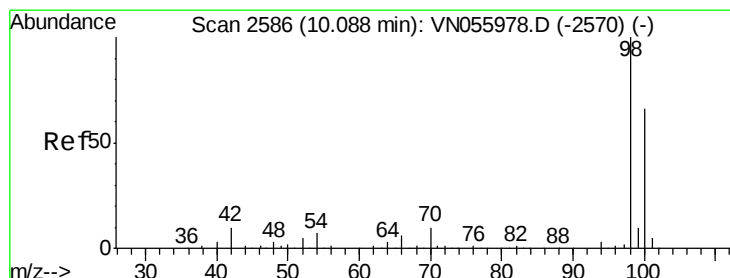
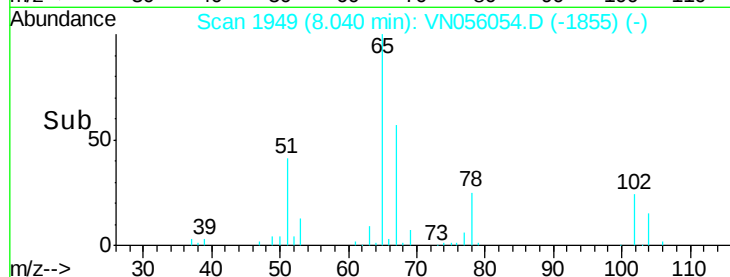
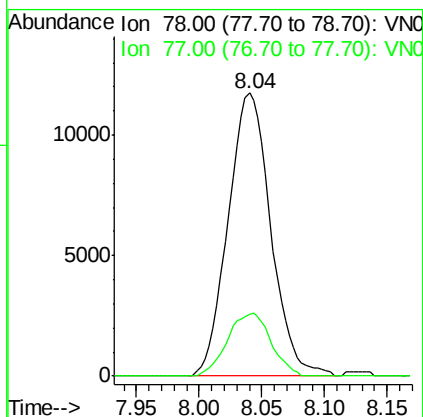
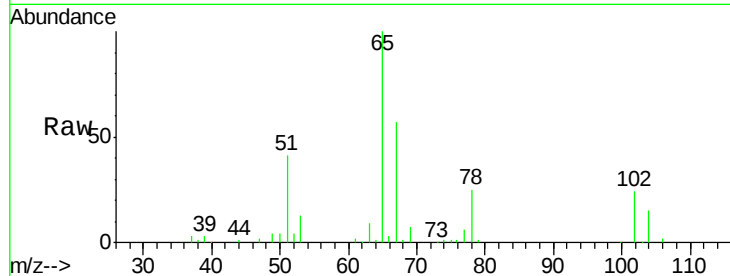
LF015RW050-190604

Tot Ion: 78 Resp: 27783

Ion Ratio Lower Upper

78 100

77 22.0 18.8 28.2



#50

Toluene-d8

Concen: 53.153 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056054.D

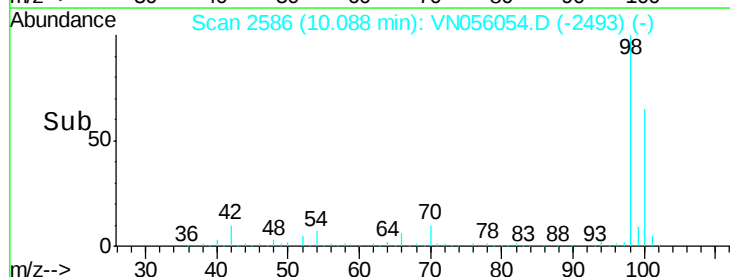
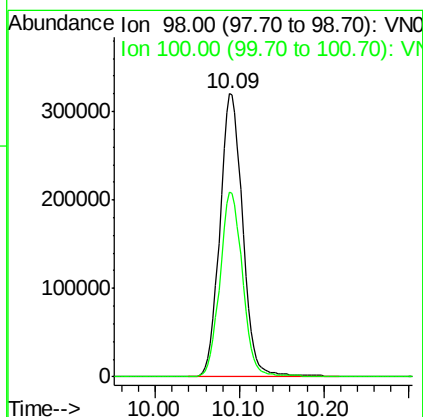
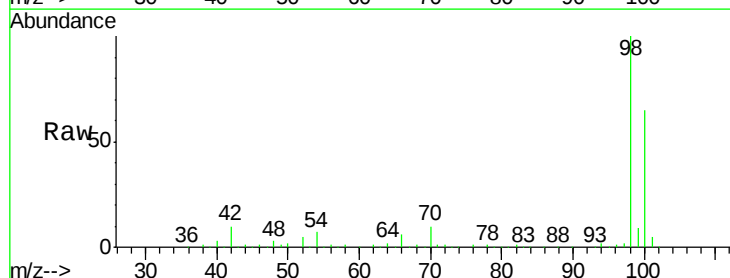
Acq: 6 Jun 2019 18:42

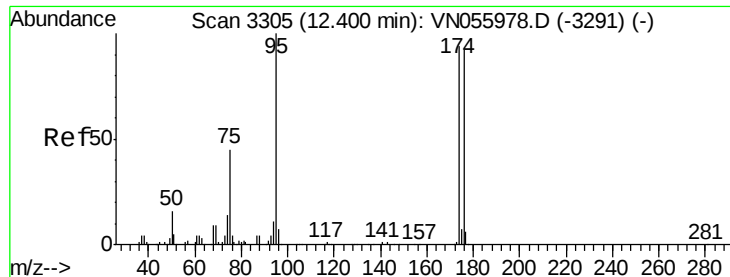
Tgt Ion: 98 Resp: 603249

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 48.578 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056054.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604

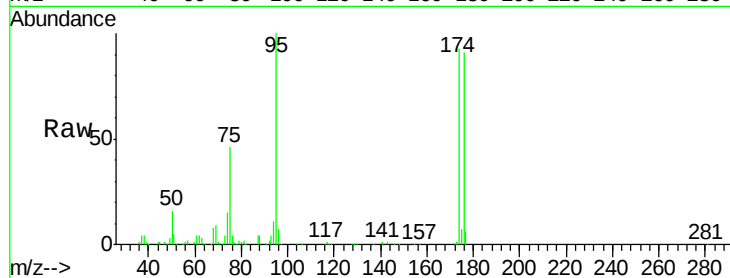
Tot Ion: 95 Resp: 187494

Ion Ratio Lower Upper

95 100

174 94.0 0.0 191.0

176 92.1 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

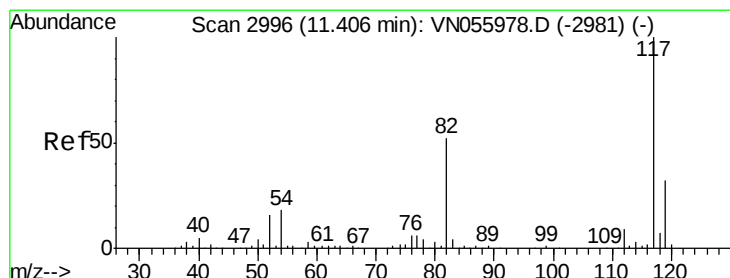
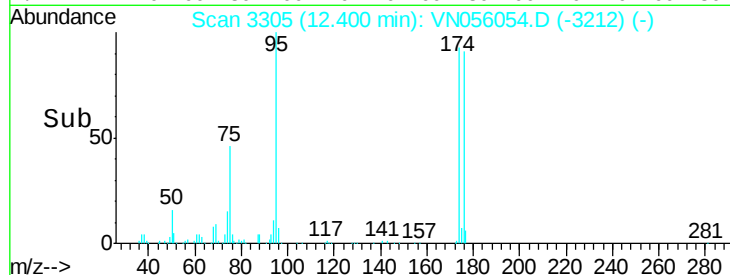
12.40

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056054.D

Acq: 6 Jun 2019 18:42

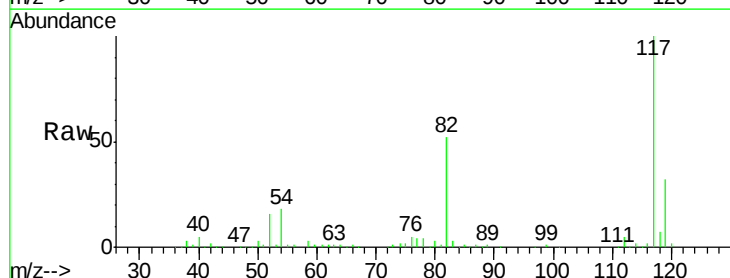
Tgt Ion: 117 Resp: 448112

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

119 32.5 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

11.41

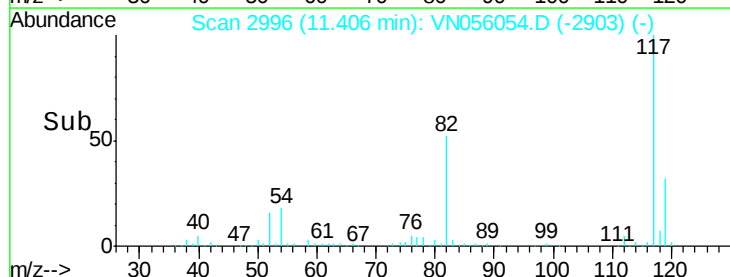
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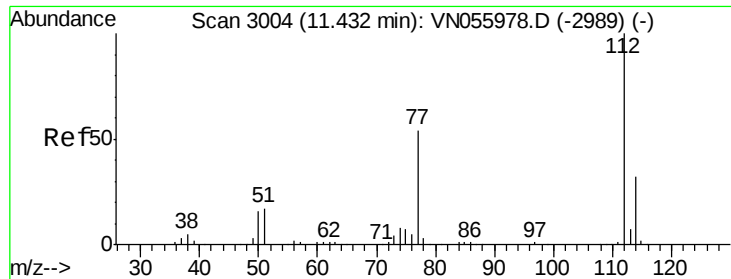
200000

100000

0

Time--> 11.30 11.40 11.50

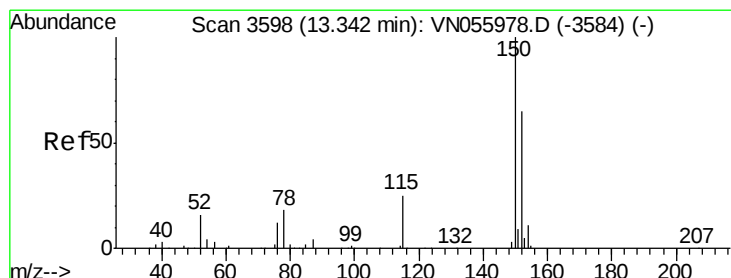
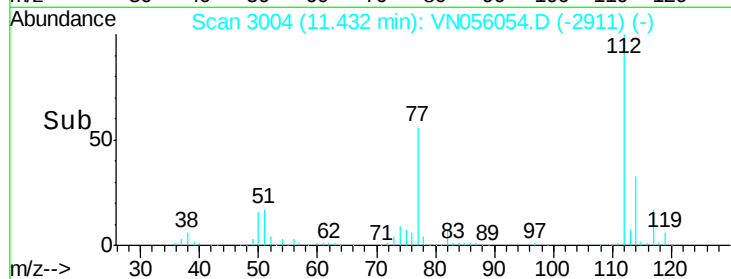
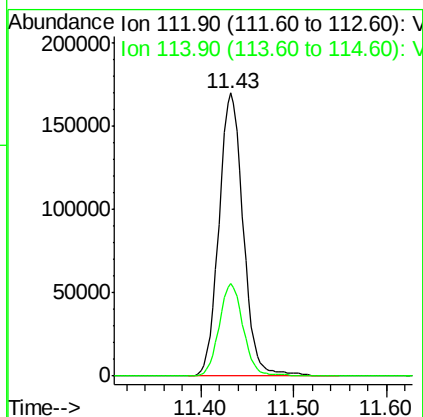
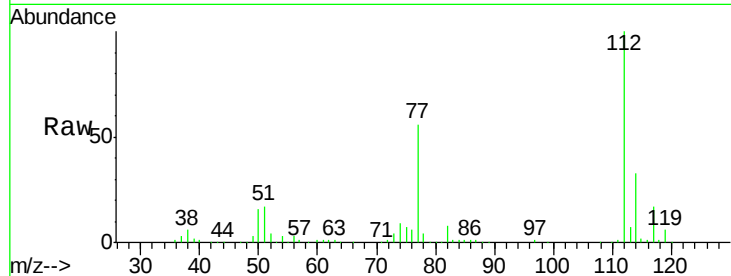




#65
Chlorobenzene
Concen: 34.569 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056054.D
Acq: 6 Jun 2019 18:42

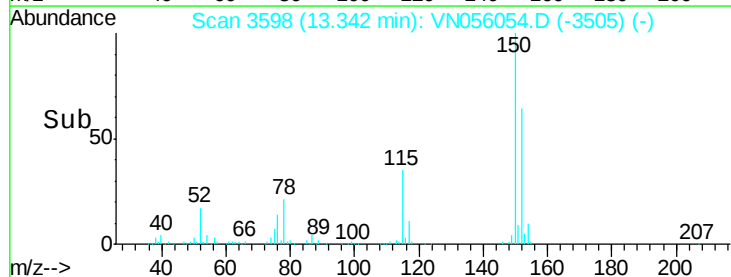
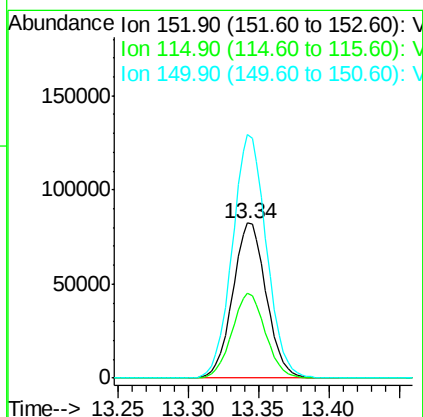
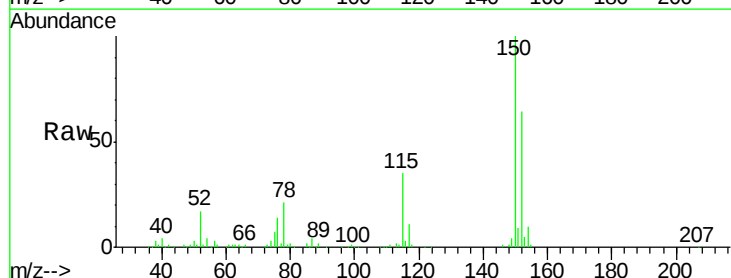
Instrument :
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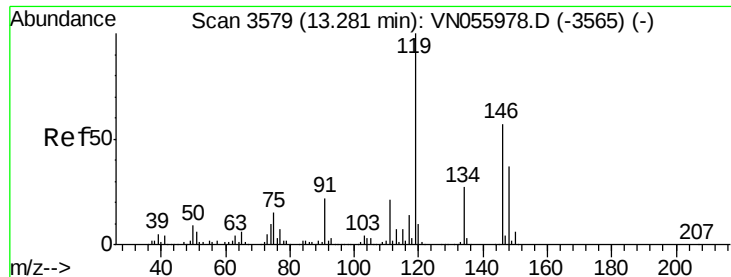
Tot Ion:112 Resp: 308302
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056054.D
Acq: 6 Jun 2019 18:42

Tgt Ion:152 Resp: 137541
Ion Ratio Lower Upper
152 100
115 54.4 27.0 81.0
150 159.2 0.0 343.2





#87

1,3-Dichlorobenzene

Concen: 0.351 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056054.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604

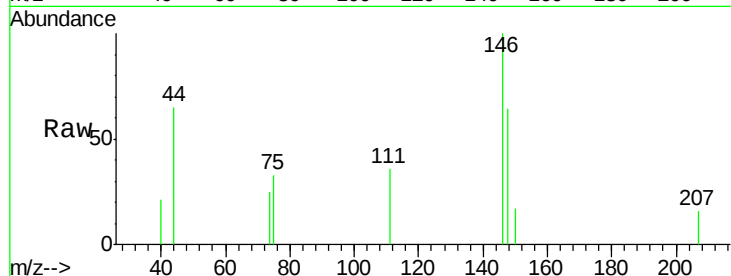
Tot Ion:146 Resp: 1598

Ion Ratio Lower Upper

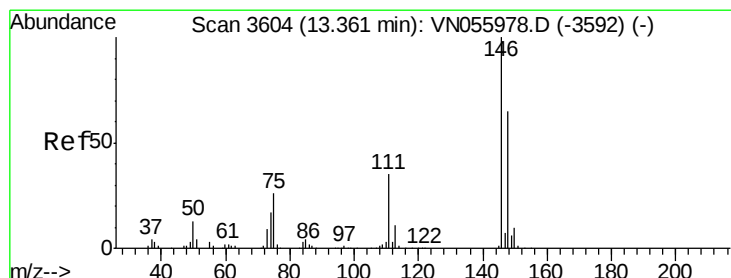
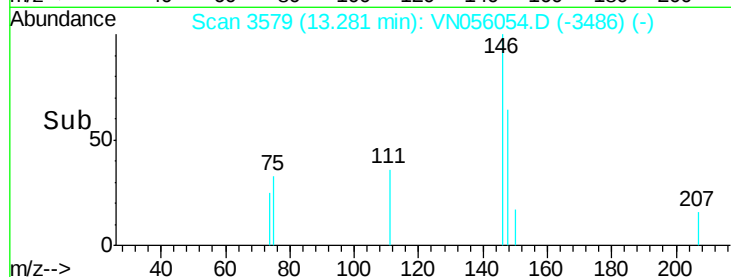
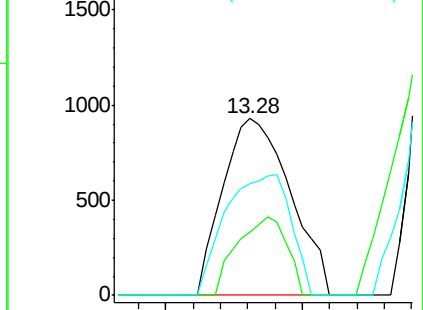
146 100

111 32.5 18.5 55.5

148 65.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 2.966 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056054.D

Acq: 6 Jun 2019 18:42

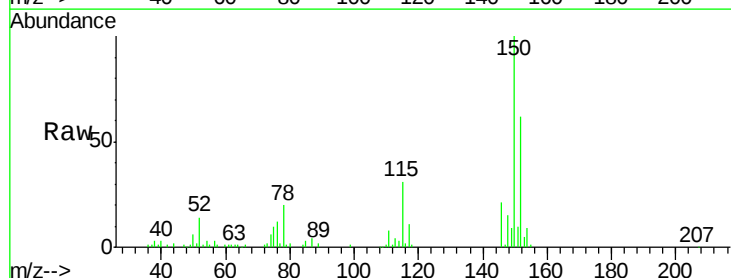
Tgt Ion:146 Resp: 13004

Ion Ratio Lower Upper

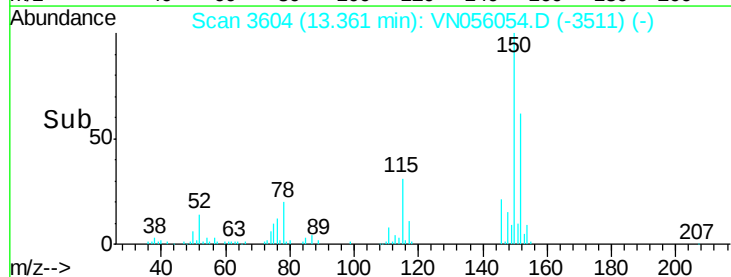
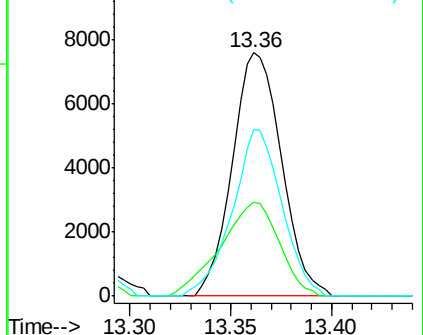
146 100

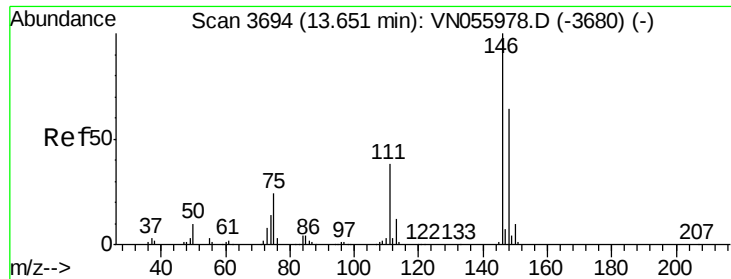
111 46.0 18.1 54.4

148 69.0 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 2.851 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056054.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

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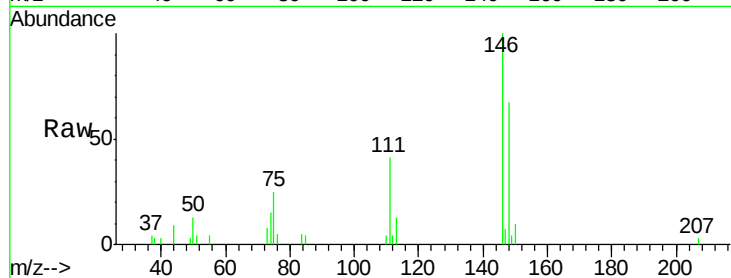
Tot Ion:146 Resp: 13117

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.5

148 62.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

