

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN060719\
 Data File : VN056051.D
 Acq On : 6 Jun 2019 17:26
 Operator : JC/SP
 Sample : K3203-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW100-190604

Quant Time: Jun 11 11:27:57 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	343831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	511229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	479437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154217	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	177676	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
35) Dibromofluoromethane	7.59	113	157163	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
50) Toluene-d8	10.09	98	643826	53.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.40	95	202174	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	

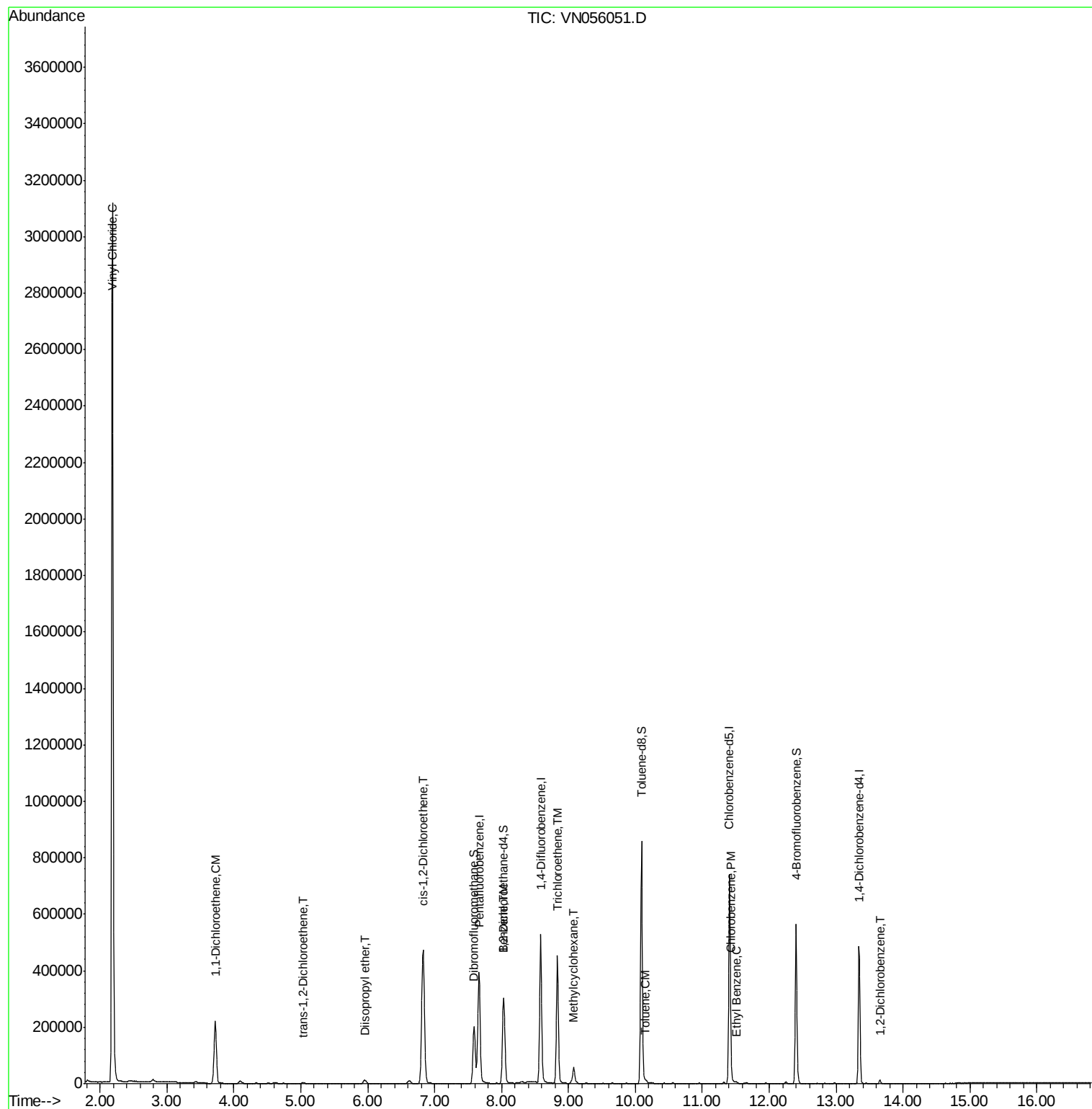
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	3011685	805.551	ug/l	99
12) 1,1-Dichloroethene	3.72	96	125323	43.418	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	2529	0.818	ug/l	91
22) Diisopropyl ether	5.96	45	16699	1.772	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	338647	93.154	ug/l	89
39) Methylcyclohexane	9.08	83	26626	4.862	ug/l	99
40) Benzene	8.04	78	138135	10.346	ug/l	100
44) Trichloroethene	8.83	130	184253	48.027	ug/l	99
52) Toluene	10.16	92	3015	0.363	ug/l	99
65) Chlorobenzene	11.43	112	4964	0.520	ug/l	97
67) Ethyl Benzene	11.51	91	5105	0.308	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	6311	1.223	ug/l	100

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

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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: VN056051.D

Acq: 6 Jun 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

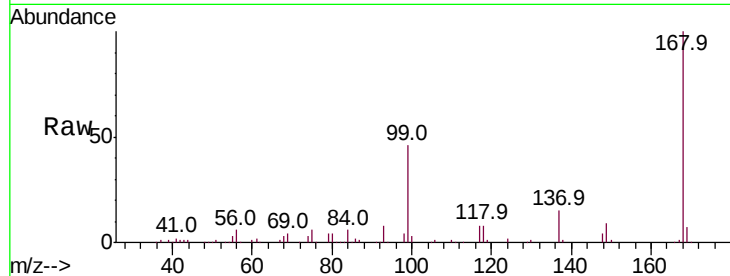
LF015MW100-190604

Tot Ion:168 Resp: 343831

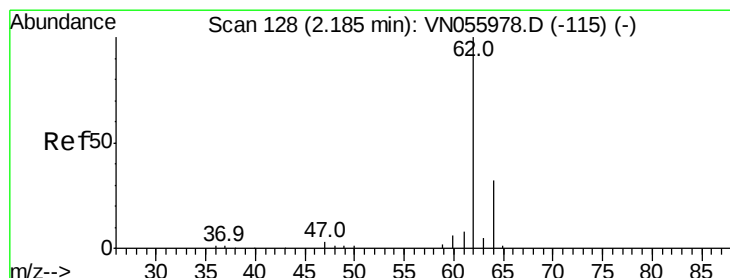
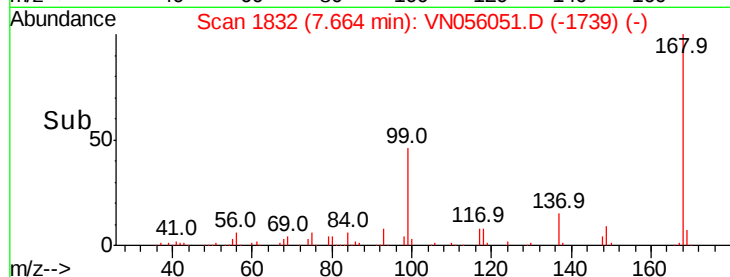
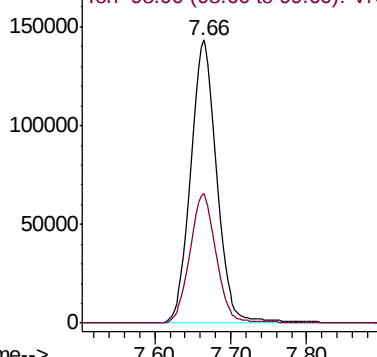
Ion Ratio Lower Upper

168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)



#4

Vinyl Chloride

Concen: 805.551 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056051.D

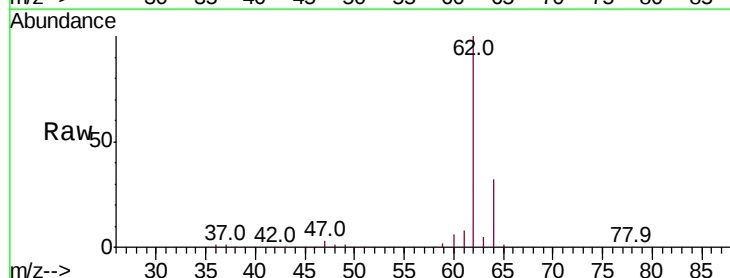
Acq: 6 Jun 2019 17:26

Tgt Ion: 62 Resp: 3011685

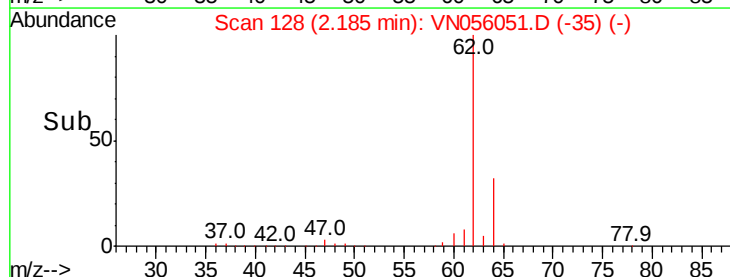
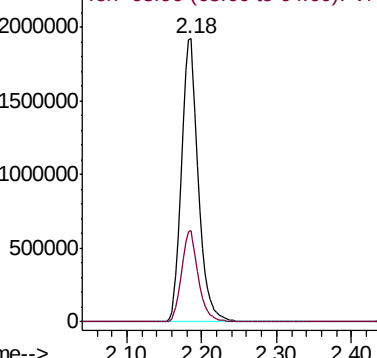
Ion Ratio Lower Upper

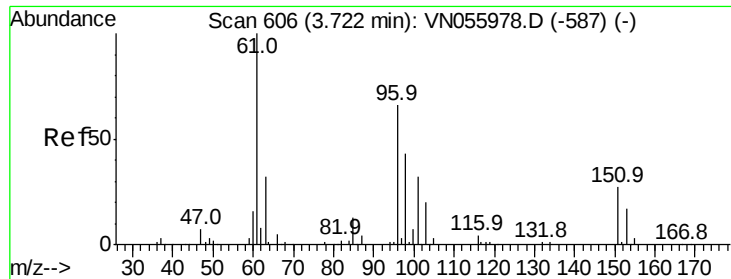
62 100

64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-115) (-)





#12

1,1-Dichloroethene

Concen: 43.418 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

LF015MW100-190604

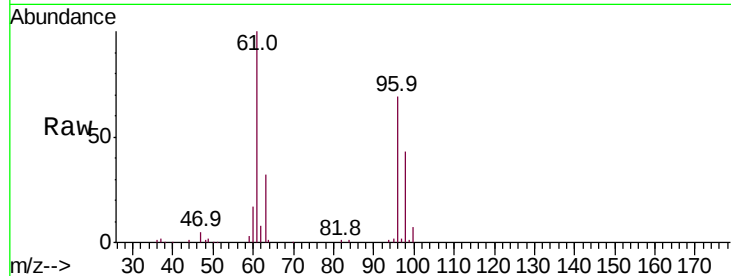
Tot Ion: 96 Resp: 125323

Ion Ratio Lower Upper

96 100

61 144.6 123.2 184.8

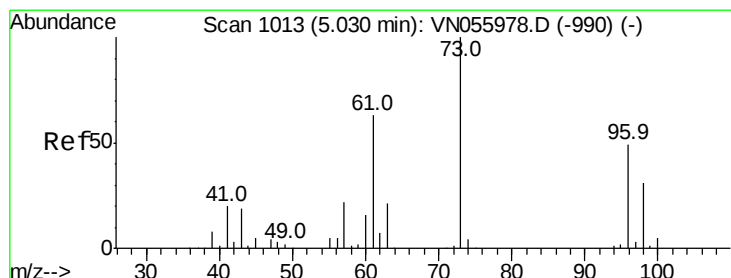
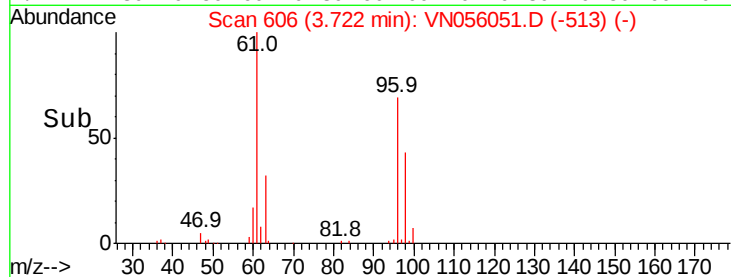
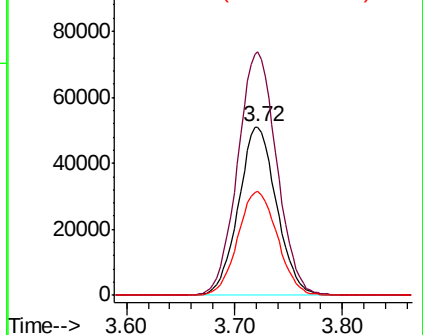
98 61.6 50.4 75.6



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



#21

trans-1,2-Dichloroethene

Concen: 0.818 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

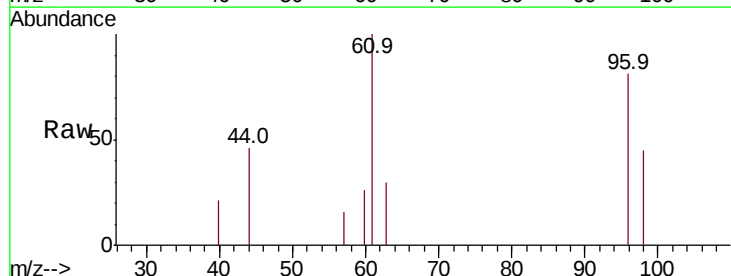
Tgt Ion: 96 Resp: 2529

Ion Ratio Lower Upper

96 100

61 124.0 107.8 161.8

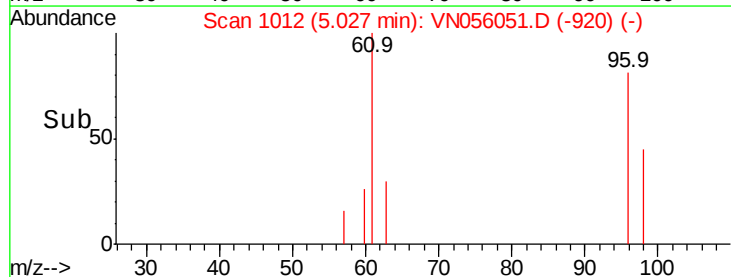
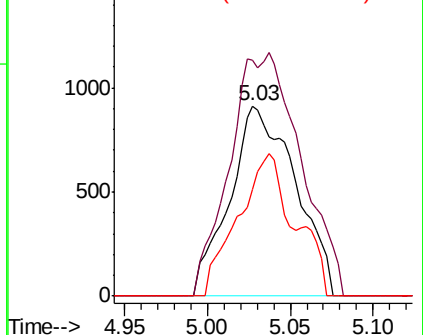
98 56.1 49.8 74.8

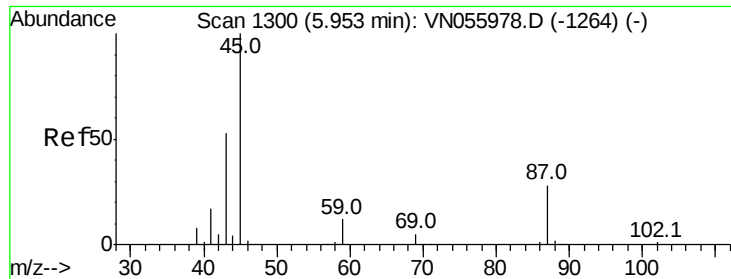


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#22

Diisopropyl ether

Concen: 1.772 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

LF015MW100-190604

Tot Ion: 45 Resp: 16699

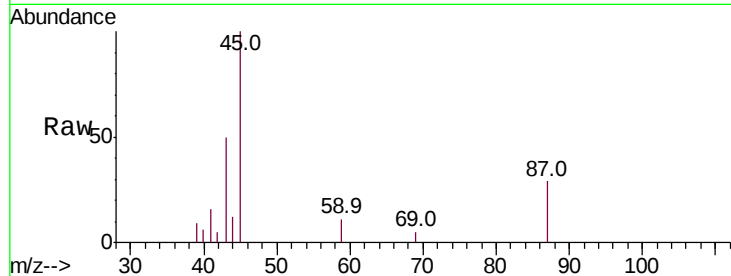
Ion Ratio Lower Upper

45 100

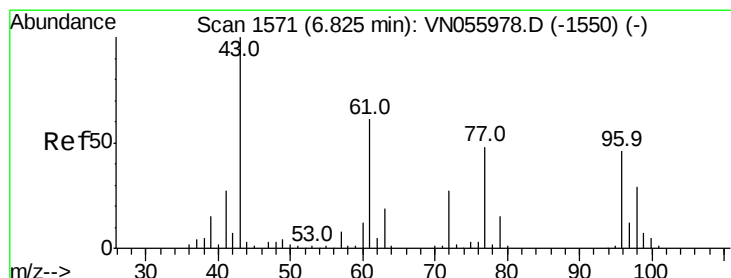
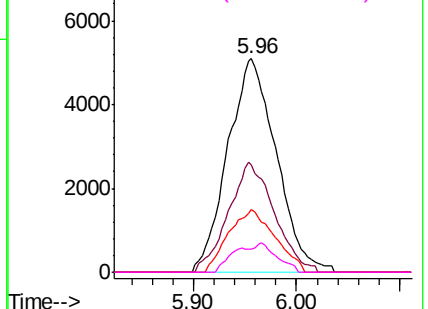
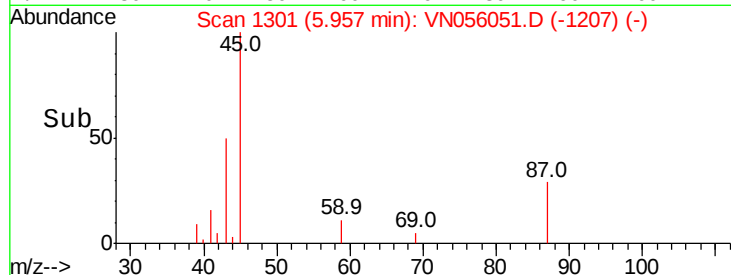
43 50.1 45.0 67.6

87 29.3 22.2 33.4

59 10.9 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO



#27

cis-1,2-Dichloroethene

Concen: 93.154 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

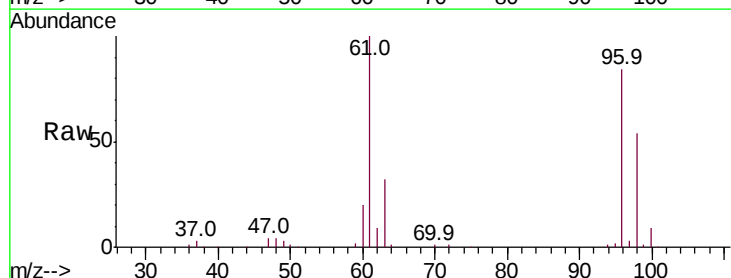
Tgt Ion: 96 Resp: 338647

Ion Ratio Lower Upper

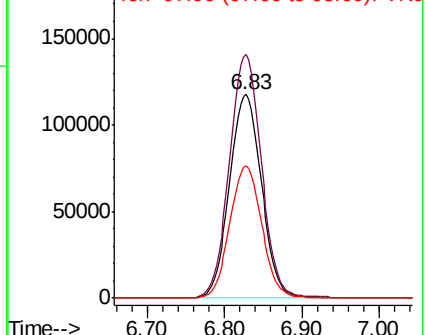
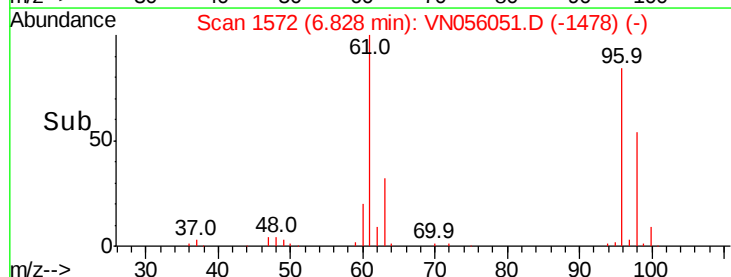
96 100

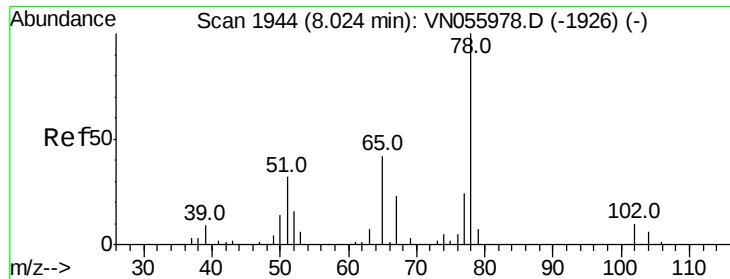
61 119.2 0.0 275.8

98 64.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

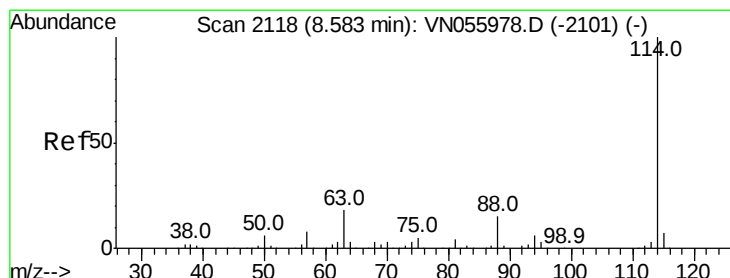
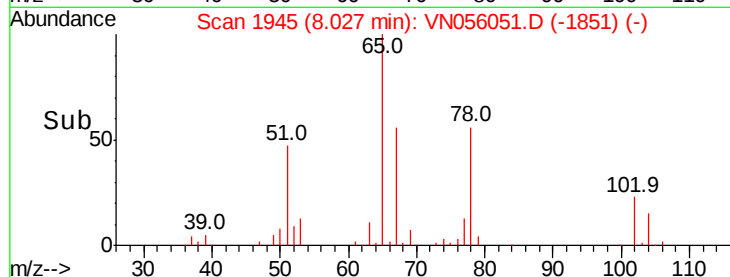
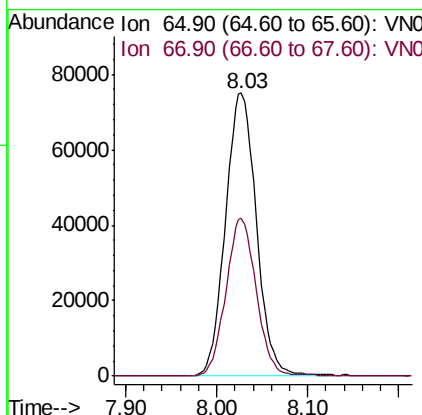
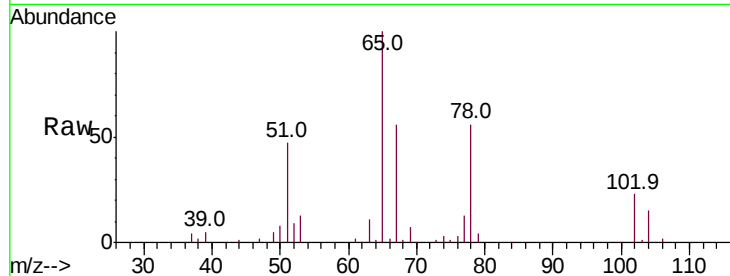




#33
 1,2-Dichloroethane-d4
 Concen: 52.044 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056051.D
 Acq: 6 Jun 2019 17:26

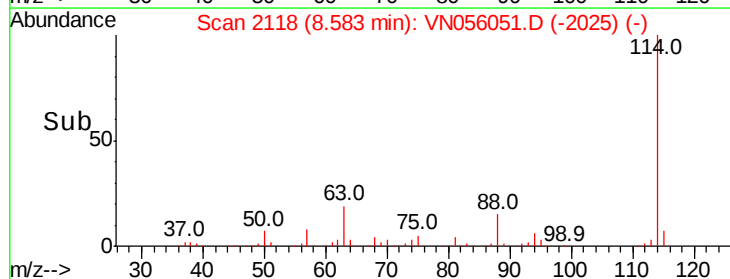
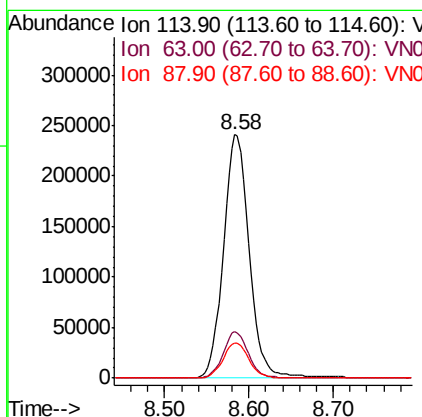
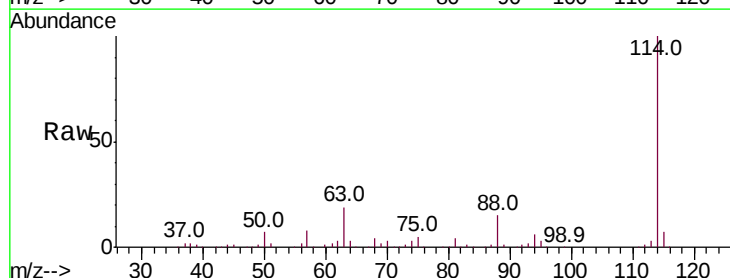
Instrument :
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 LF015MW100-190604

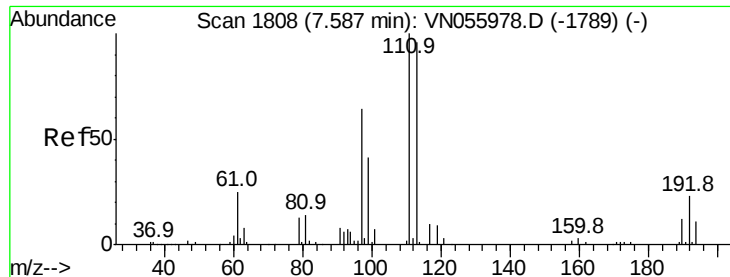
Tot Ion: 65 Resp: 177676
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056051.D
 Acq: 6 Jun 2019 17:26

Tgt Ion: 114 Resp: 511229
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 14.6 0.0 31.0

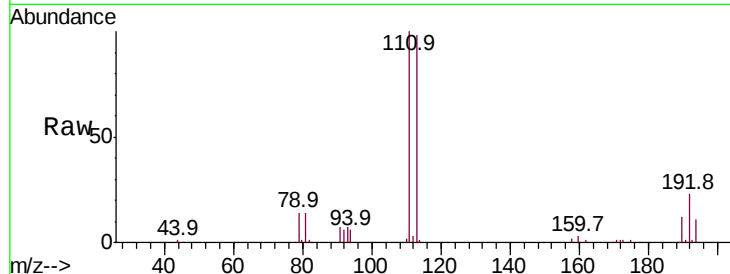




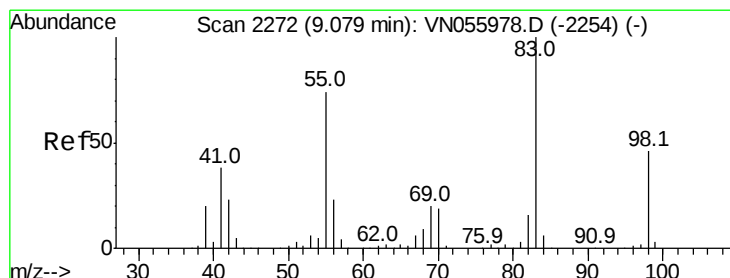
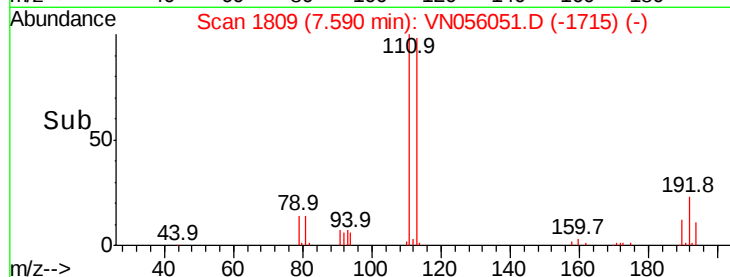
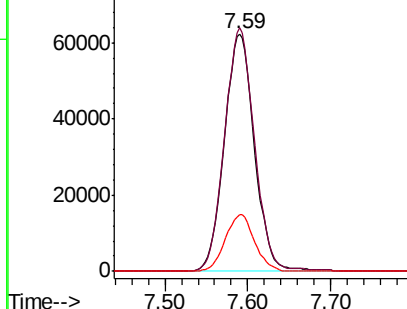
#35
Dibromofluoromethane
Concen: 50.107 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056051.D
Acq: 6 Jun 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
LF015MW100-190604

Tot Ion:113 Resp: 157163
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 23.3 19.5 29.3

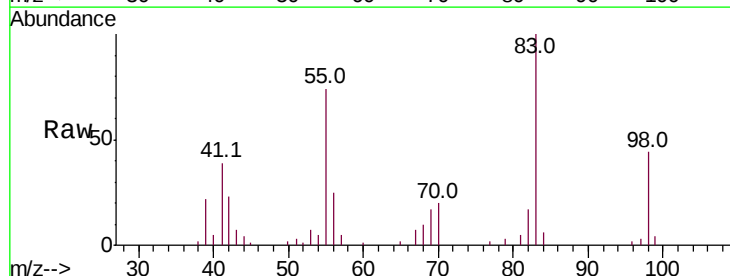


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

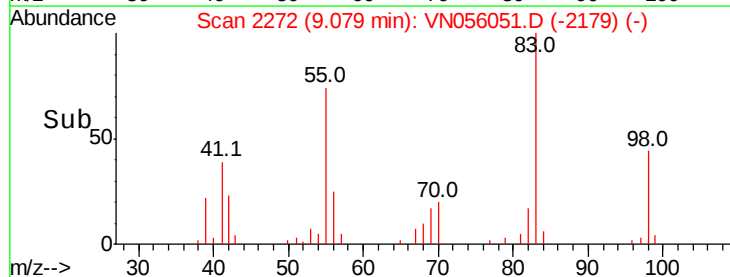
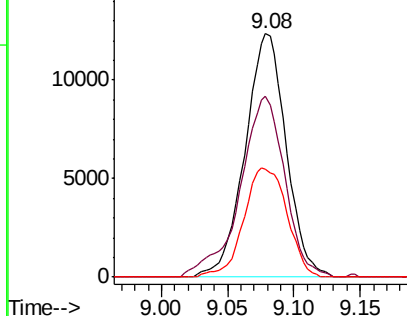


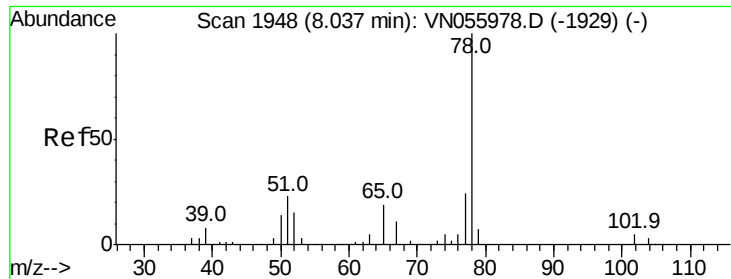
#39
Methylcyclohexane
Concen: 4.862 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056051.D
Acq: 6 Jun 2019 17:26

Tgt Ion: 83 Resp: 26626
Ion Ratio Lower Upper
83 100
55 74.1 59.3 88.9
98 44.1 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 10.346 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

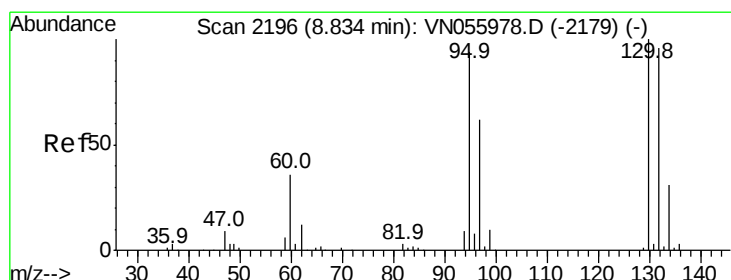
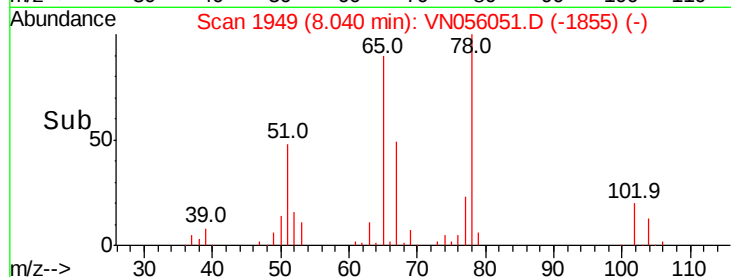
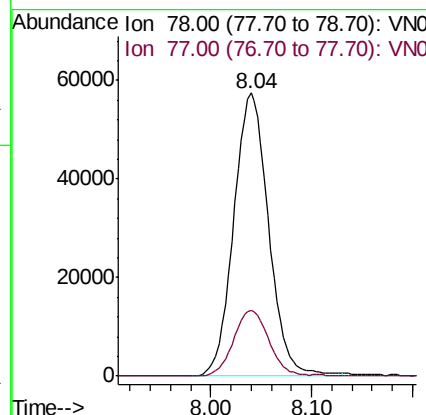
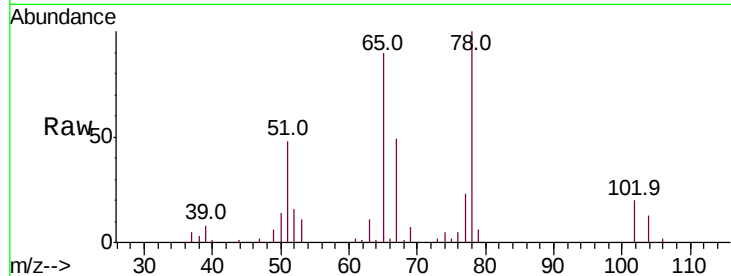
LF015MW100-190604

Tot Ion: 78 Resp: 138135

Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2



#44

Trichloroethene

Concen: 48.027 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056051.D

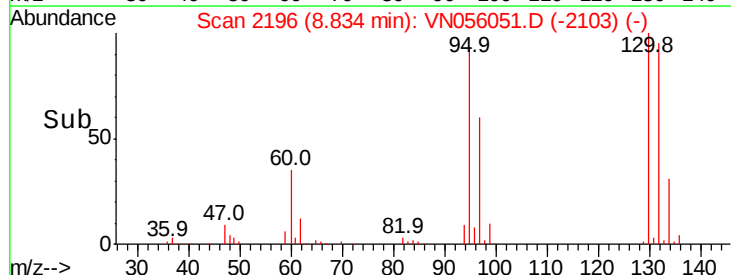
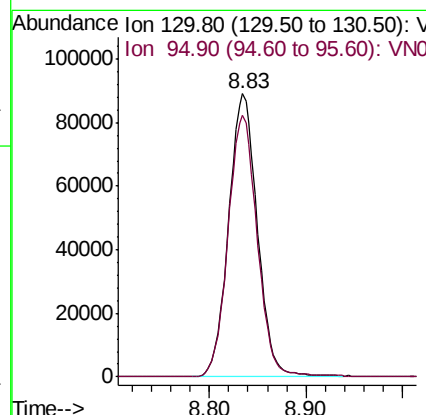
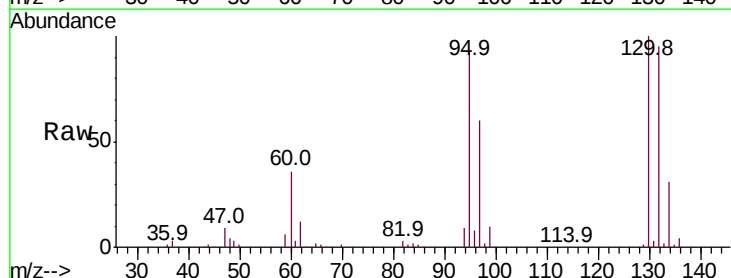
Acq: 6 Jun 2019 17:26

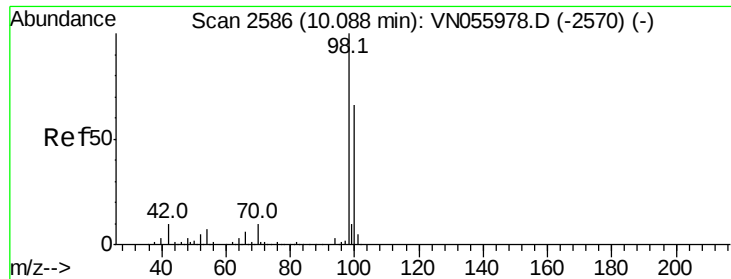
Tgt Ion:130 Resp: 184253

Ion Ratio Lower Upper

130 100

95 92.6 0.0 188.0





#50

Toluene-d8

Concen: 53.343 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

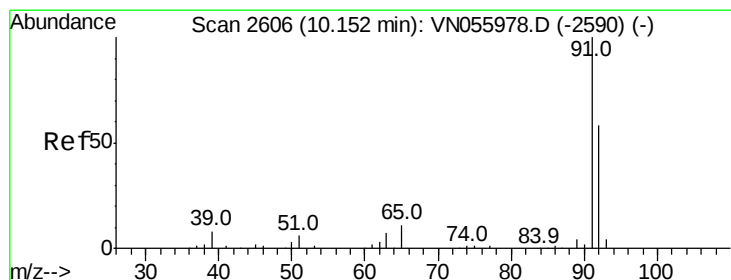
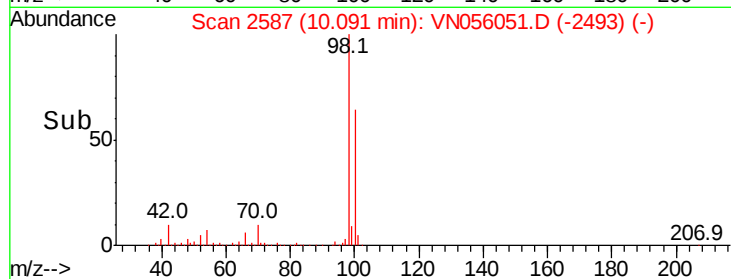
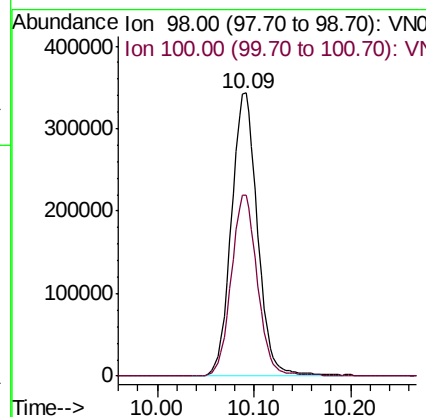
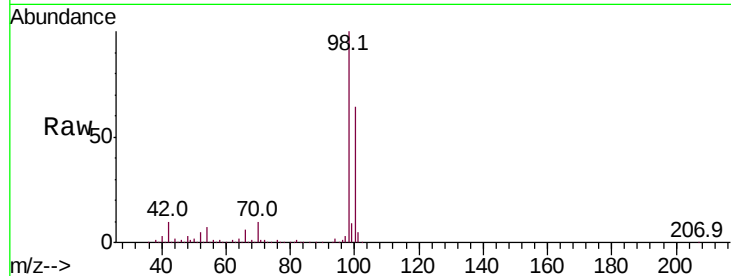
LF015MW100-190604

Tot Ion: 98 Resp: 643826

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



#52

Toluene

Concen: 0.363 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056051.D

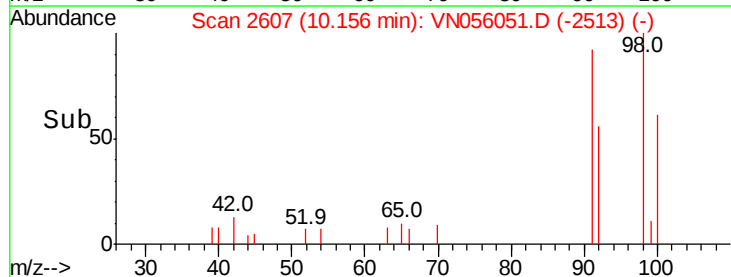
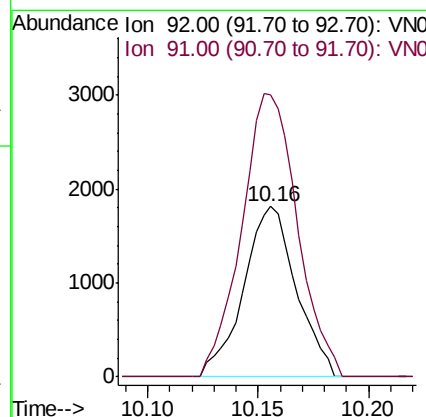
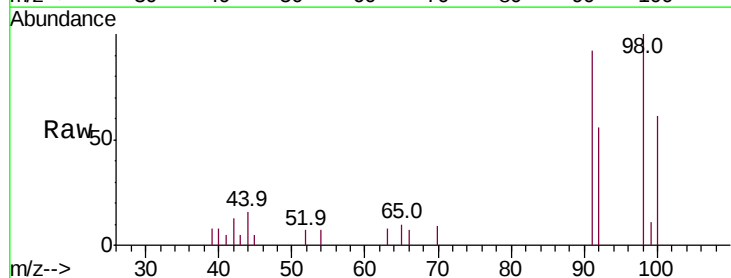
Acq: 6 Jun 2019 17:26

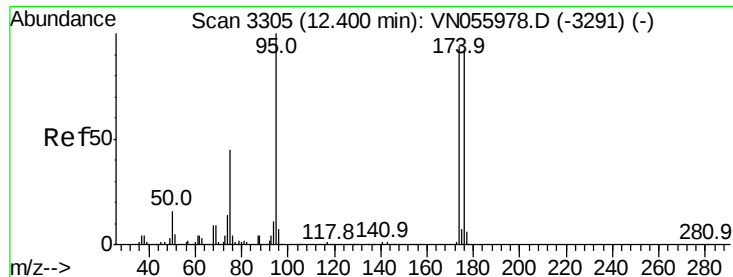
Tgt Ion: 92 Resp: 3015

Ion Ratio Lower Upper

92 100

91 176.0 139.4 209.2





#62

4-Bromofluorobenzene

Concen: 49.256 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

LF015MW100-190604

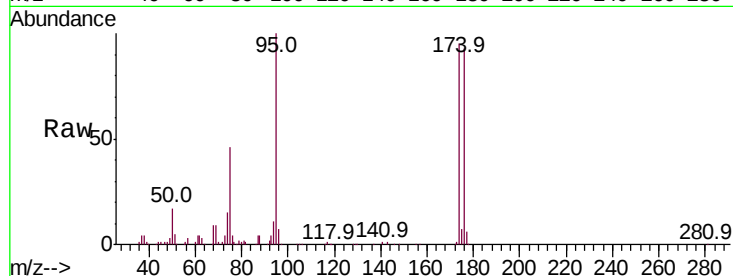
Tot Ion: 95 Resp: 202174

Ion Ratio Lower Upper

95 100

174 93.6 0.0 191.0

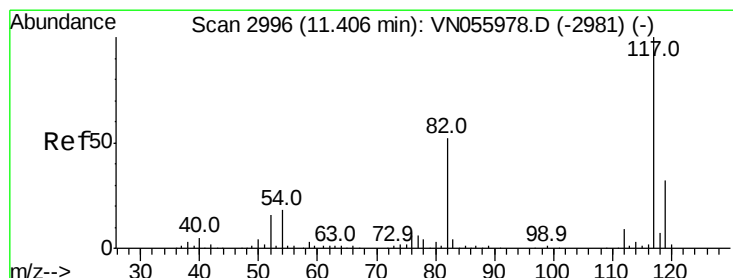
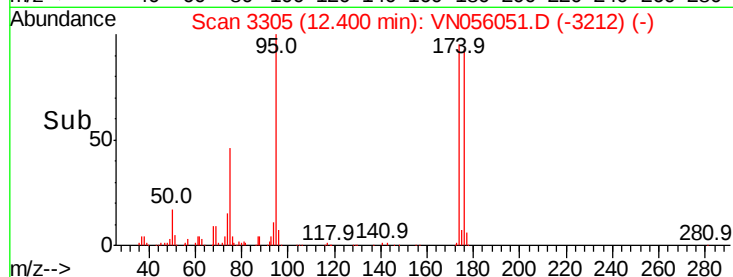
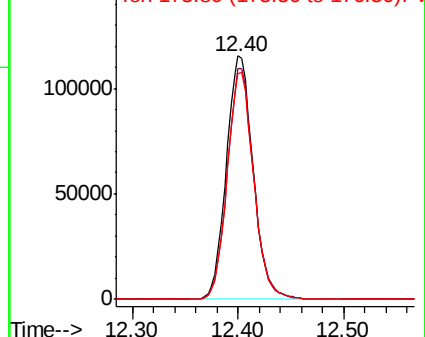
176 92.4 0.0 185.2



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

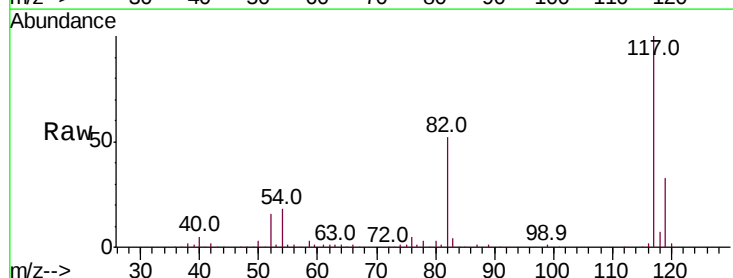
Tgt Ion: 117 Resp: 479437

Ion Ratio Lower Upper

117 100

82 51.7 41.8 62.8

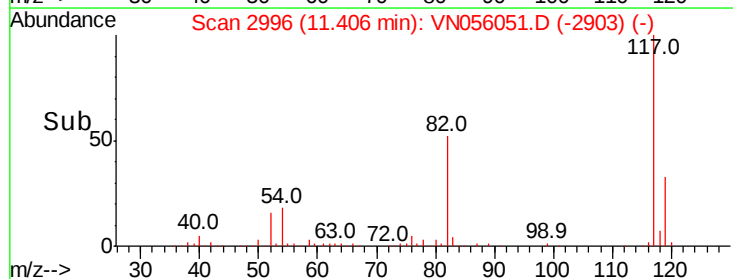
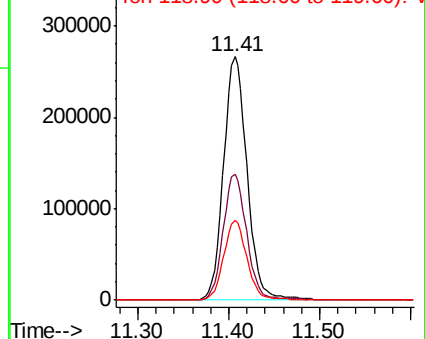
119 32.5 25.4 38.0

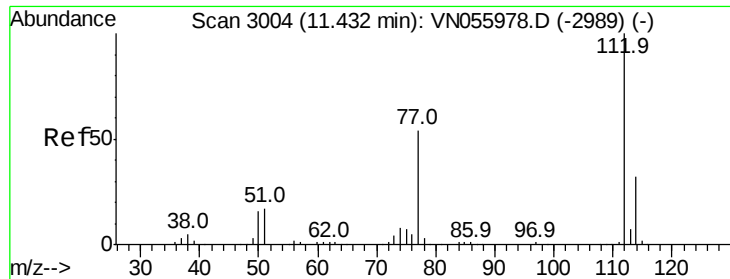


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

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

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





#65

Chlorobenzene

Concen: 0.520 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

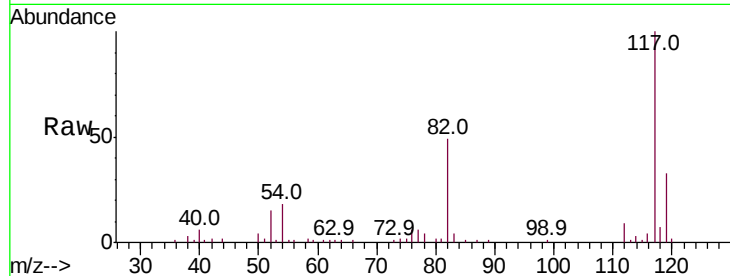
LF015MW100-190604

Tot Ion:112 Resp: 4964

Ion Ratio Lower Upper

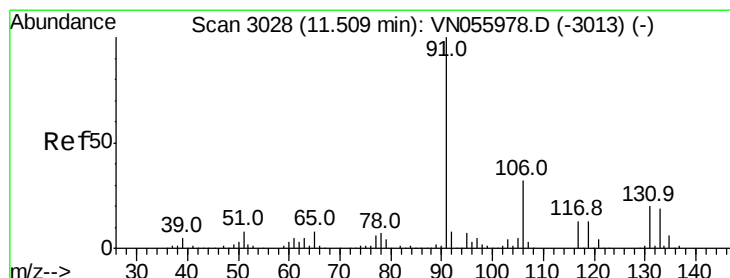
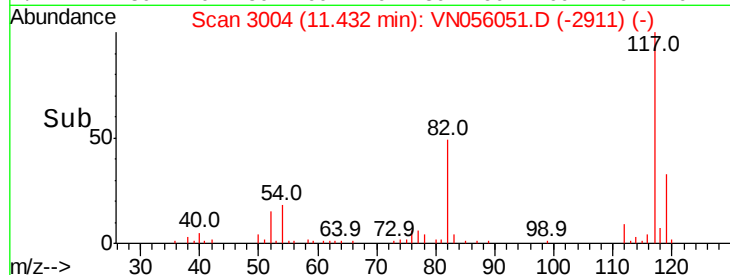
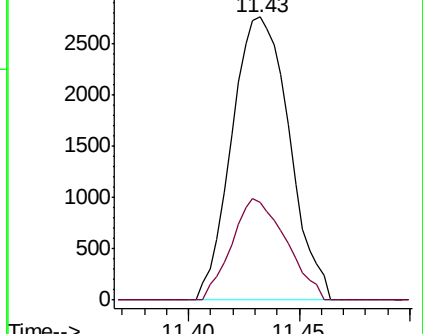
112 100

114 34.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.308 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056051.D

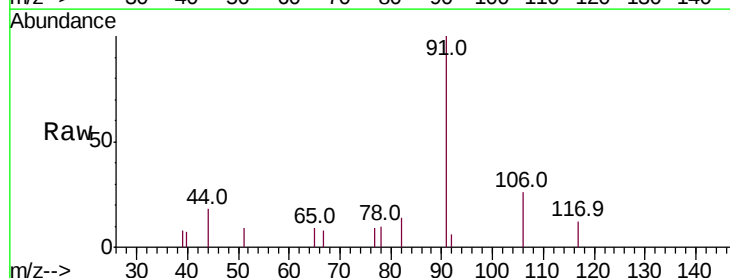
Acq: 6 Jun 2019 17:26

Tgt Ion: 91 Resp: 5105

Ion Ratio Lower Upper

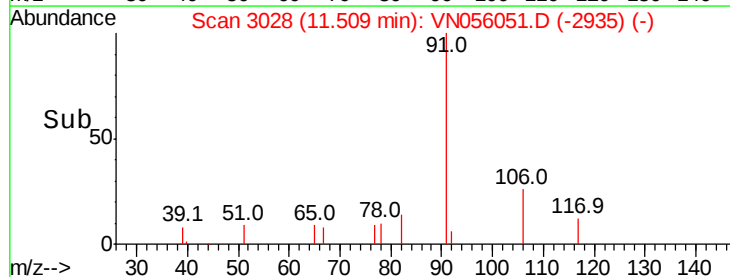
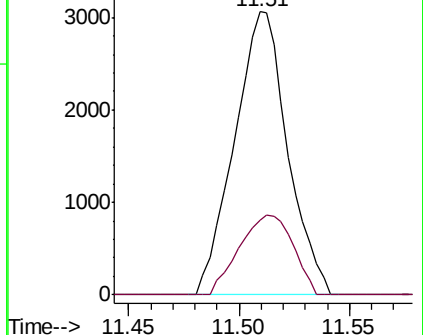
91 100

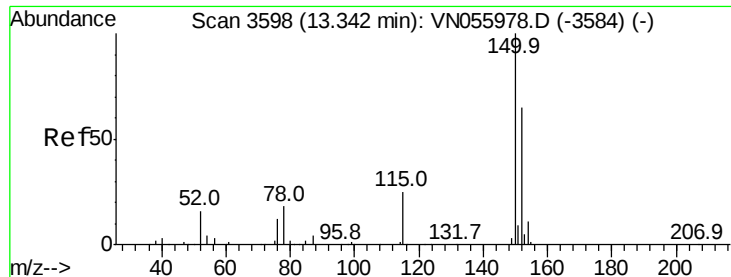
106 26.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

Instrument :

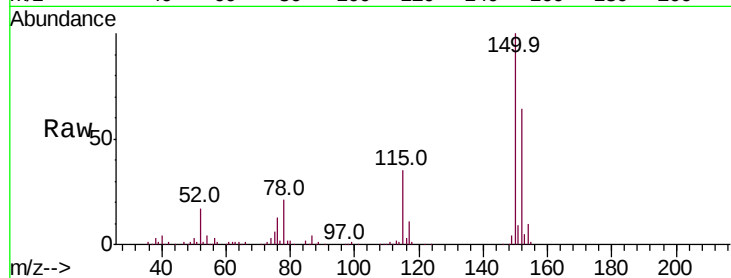
MSVOA_N

ClientSampleId :

LF015MW100-190604

Tot Ion:152 Resp: 154217

Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.0	81.0
150	156.3	0.0	343.2

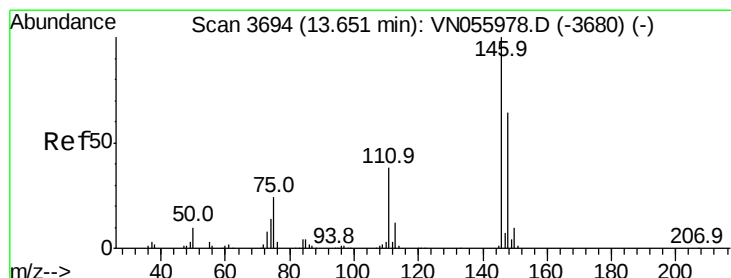
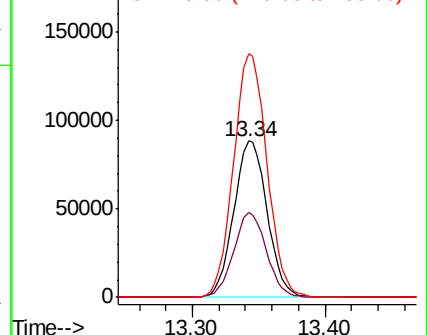
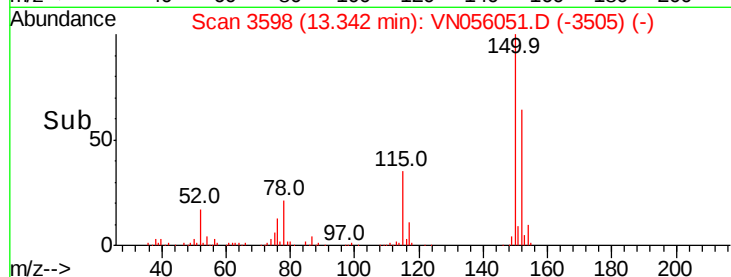


Abundance

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



#91

1,2-Dichlorobenzene

Concen: 1.223 ug/l

RT: 13.65 min Scan# 3695

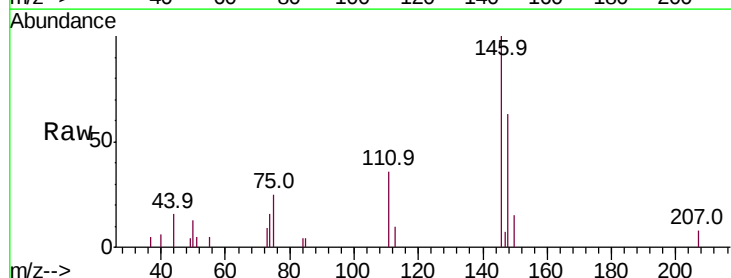
Delta R.T. 0.00 min

Lab File: VN056051.D

Acq: 6 Jun 2019 17:26

Tgt Ion:146 Resp: 6311

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.5
148	64.0	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

