

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056116.D
 Acq On : 7 Jun 2019 22:41
 Operator : JC/SP
 Sample : K3203-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

Quant Time: Jun 08 07:00:39 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	345330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	520192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	211393	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	182562	53.24	ug/l	0.00
Spiked Amount						
			Recovery	=	106.48%	
35) Dibromofluoromethane	7.59	113	158865	49.03	ug/l	0.00
Spiked Amount						
			Recovery	=	98.06%	
50) Toluene-d8	10.09	98	676890	54.29	ug/l	0.00
Spiked Amount						
			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.40	95	240902	56.82	ug/l	0.00
Spiked Amount						
			Recovery	=	113.64%	

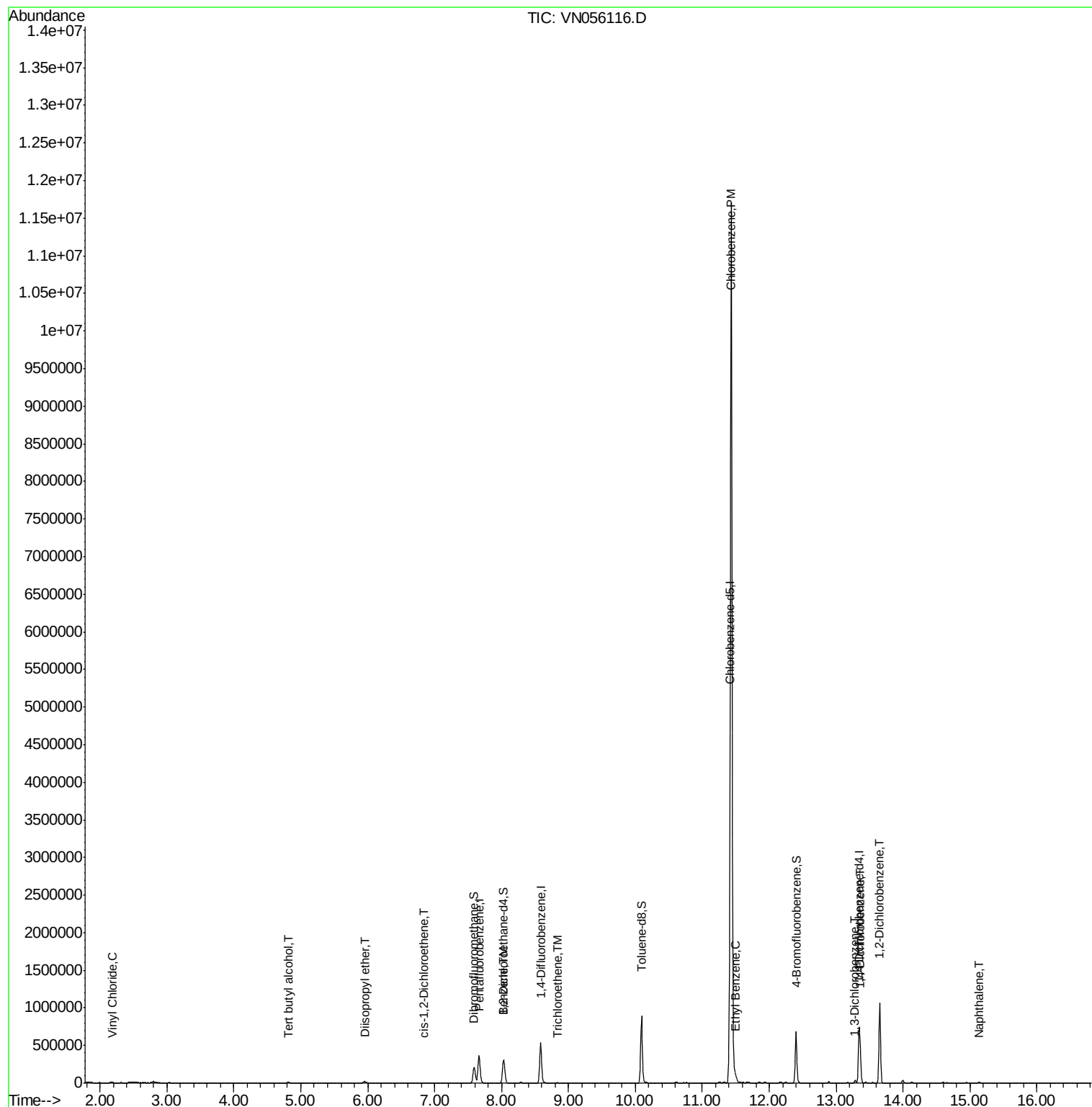
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	1155	0.308	ug/l	94
11) Tert butyl alcohol	4.81	59	16350	27.401	ug/l	96
22) Diisopropyl ether	5.95	45	25637	2.709	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	3160	0.865	ug/l	62
40) Benzene	8.04	78	135501	9.825	ug/l	100
44) Trichloroethene	8.84	130	2470	0.623	ug/l	100
65) Chlorobenzene	11.43	112	7087829	684.625	ug/l	100
67) Ethyl Benzene	11.51	91	13615	0.756	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	17740	2.533	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	130474	19.363	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	506744	71.654	ug/l	99
95) Naphthalene	15.13	128	12975	5.036	ug/l	99

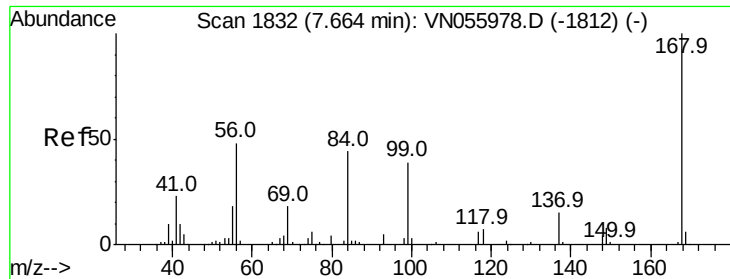
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056116.D

Acq: 7 Jun 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

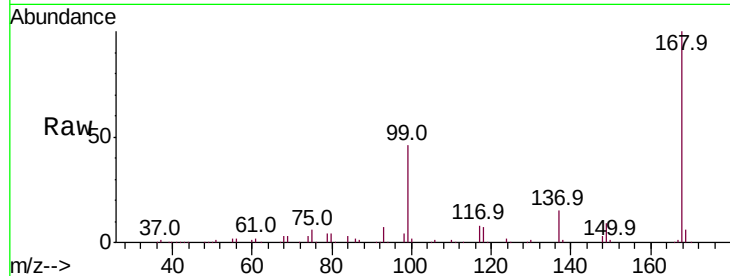
LF015MW047-190604

Tot Ion:168 Resp: 345330

Ion Ratio Lower Upper

168 100

99 45.5 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

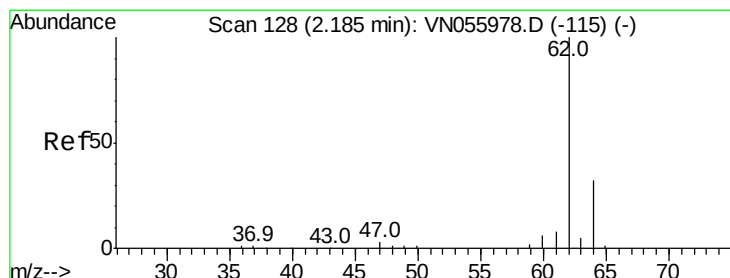
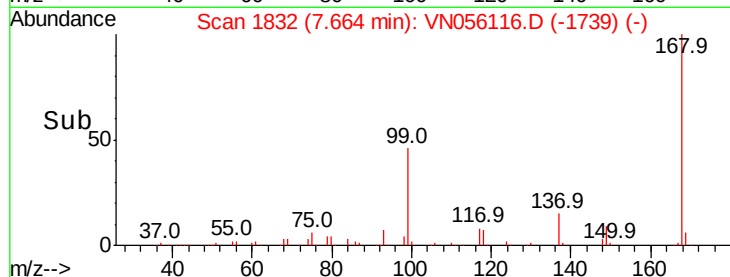
100000

50000

0

Time-->

7.60 7.70



#4

Vinyl Chloride

Concen: 0.308 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056116.D

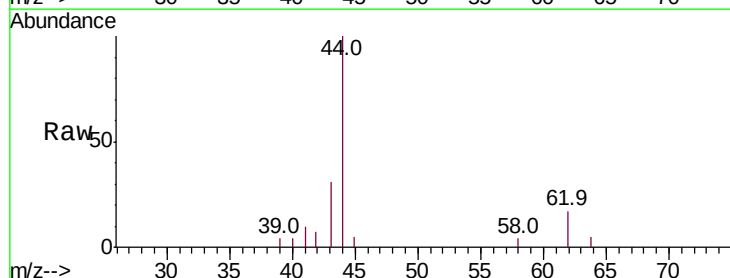
Acq: 7 Jun 2019 22:41

Tgt Ion: 62 Resp: 1155

Ion Ratio Lower Upper

62 100

64 28.8 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

1000

800

600

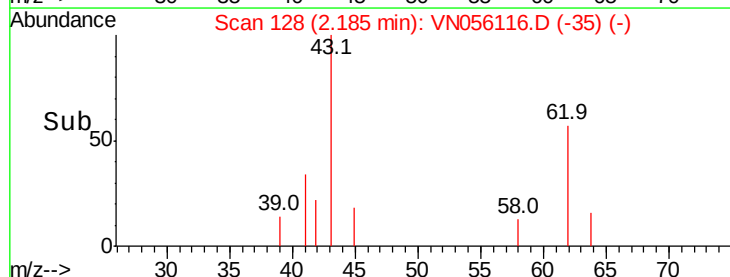
400

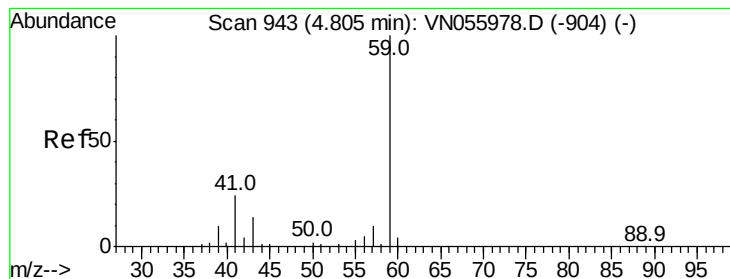
200

0

Time-->

2.14 2.16 2.18 2.20 2.22



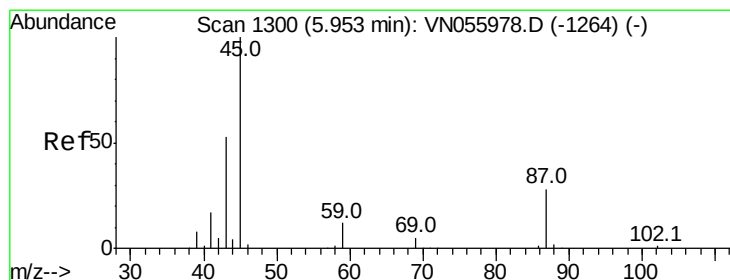
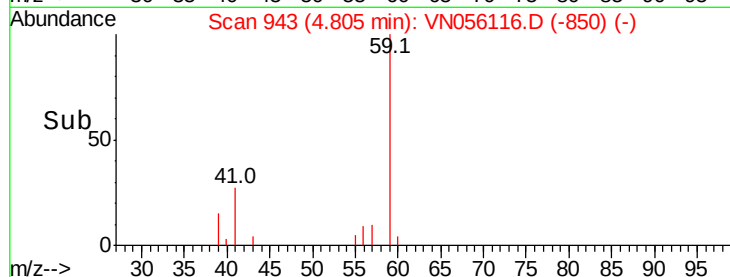
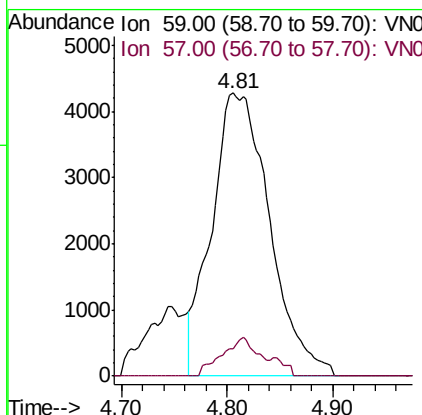
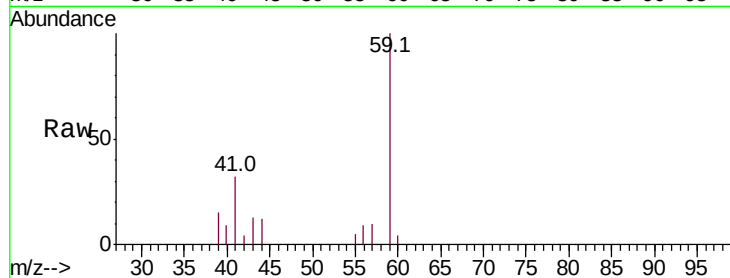


#11

Tert butyl alcohol
 Concen: 27.401 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VN056116.D
 Acq: 7 Jun 2019 22:41

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

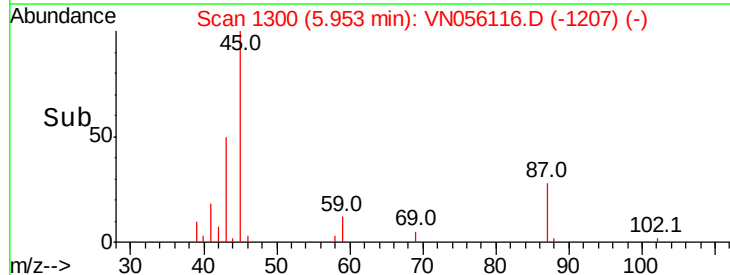
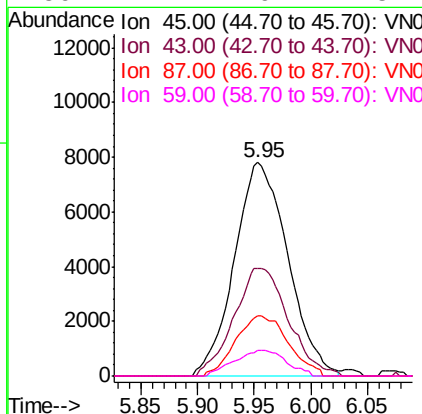
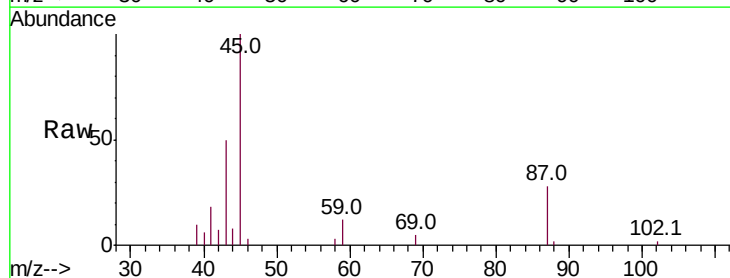
Tot Ion: 59 Resp: 16350
 Ion Ratio Lower Upper
 59 100
 57 8.2 7.8 11.6

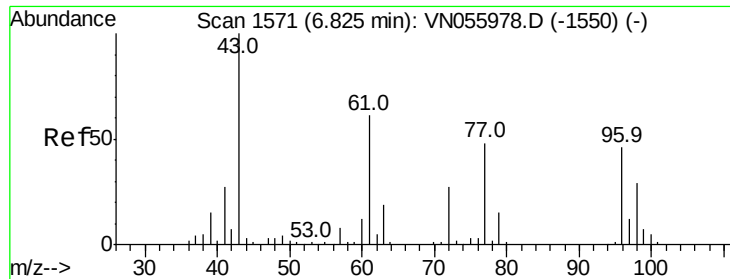


#22

Diisopropyl ether
 Concen: 2.709 ug/l
 RT: 5.95 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VN056116.D
 Acq: 7 Jun 2019 22:41

Tgt Ion: 45 Resp: 25637
 Ion Ratio Lower Upper
 45 100
 43 50.2 45.0 67.6
 87 28.3 22.2 33.4
 59 11.7 9.1 13.7





#27

cis-1,2-Dichloroethene

Concen: 0.865 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056116.D

Acq: 7 Jun 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

LF015MW047-190604

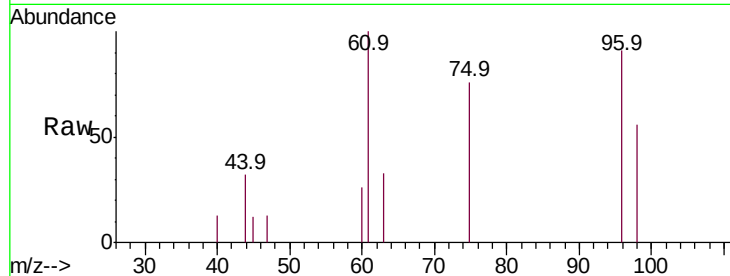
Tot Ion: 96 Resp: 3160

Ion Ratio Lower Upper

96 100

61 105.1 0.0 275.8

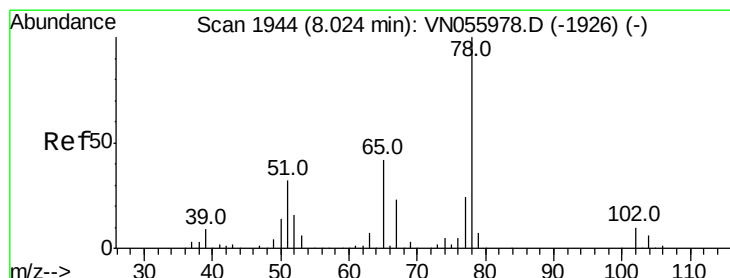
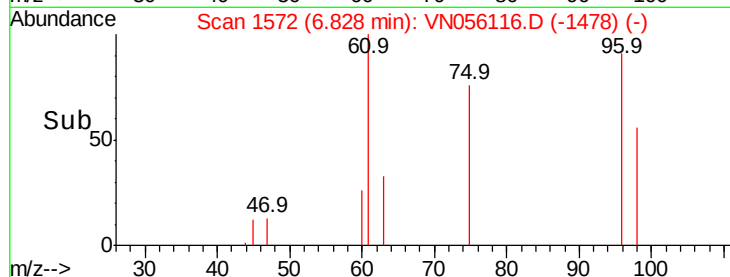
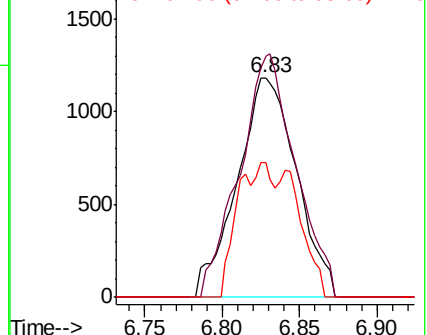
98 17.4 0.0 128.4



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: 53.243 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056116.D

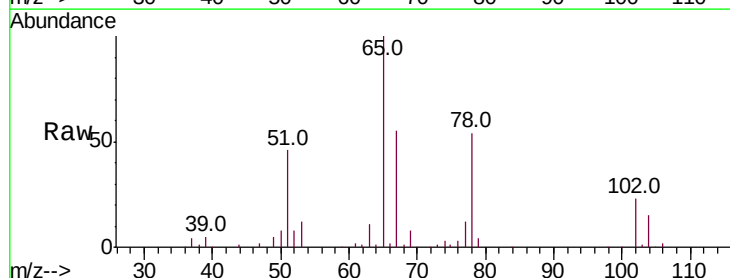
Acq: 7 Jun 2019 22:41

Tgt Ion: 65 Resp: 182562

Ion Ratio Lower Upper

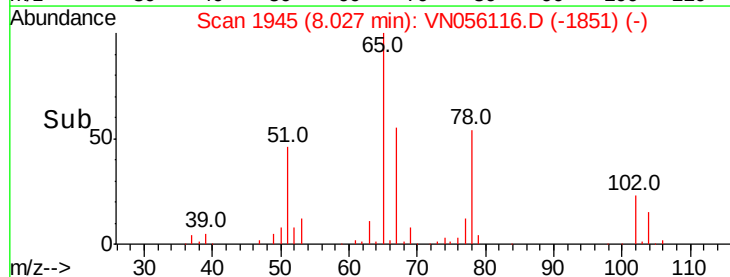
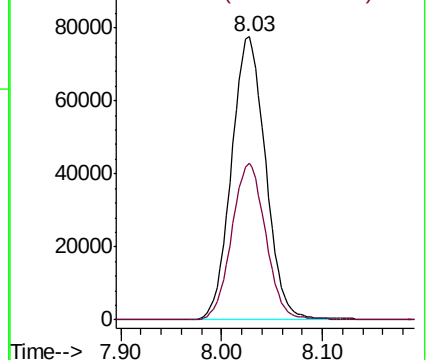
65 100

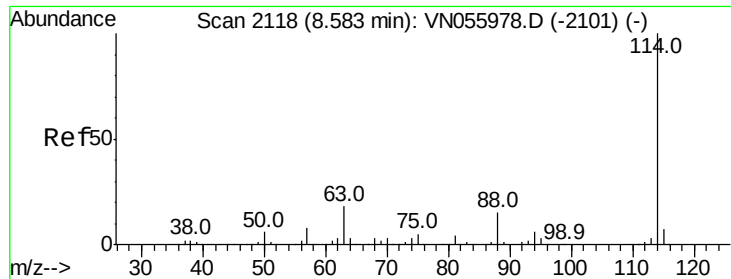
67 55.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

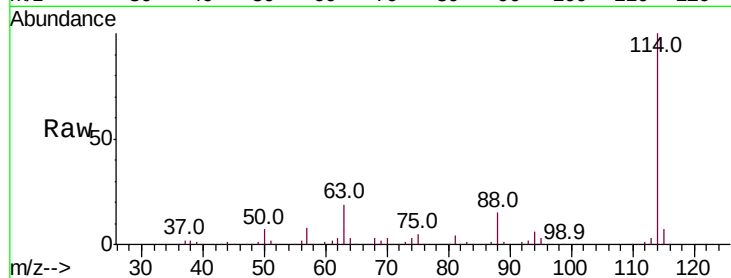




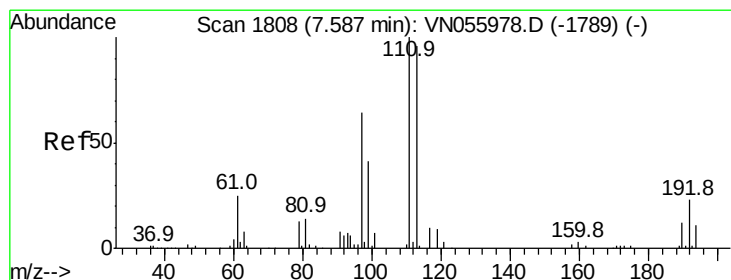
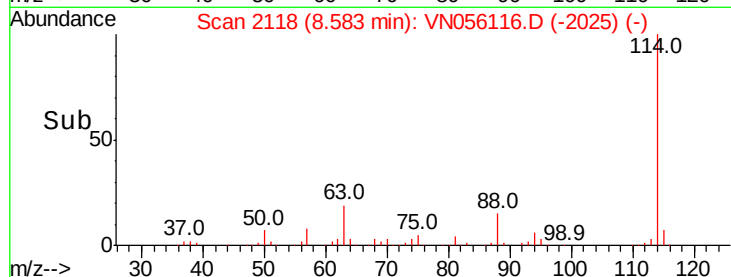
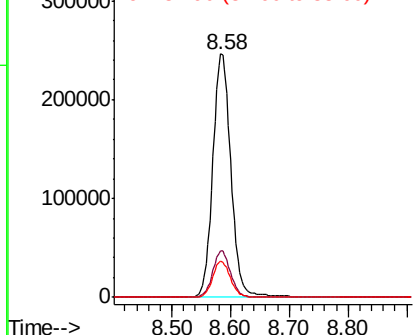
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056116.D
Acq: 7 Jun 2019 22:41

Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

Tot Ion:114 Resp: 528070
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.2
88 15.0 0.0 31.0

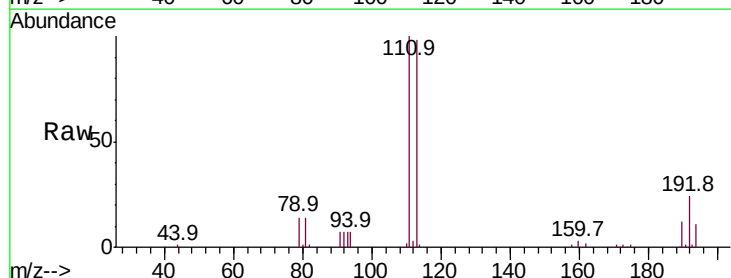


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

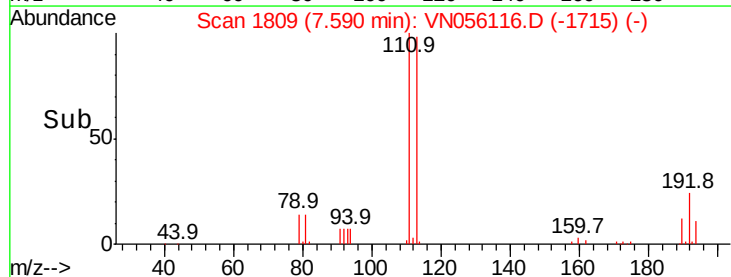
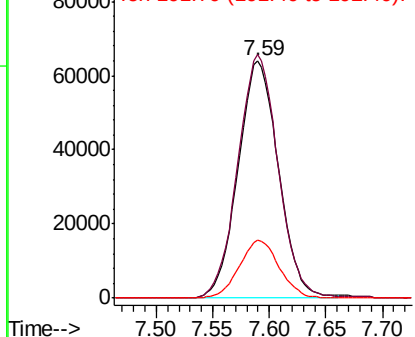


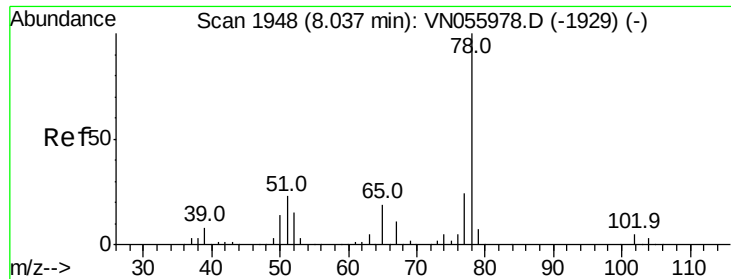
#35
Dibromofluoromethane
Concen: 49.034 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056116.D
Acq: 7 Jun 2019 22:41

Tgt Ion:113 Resp: 158865
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 24.2 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: 9.825 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056116.D

Acq: 7 Jun 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

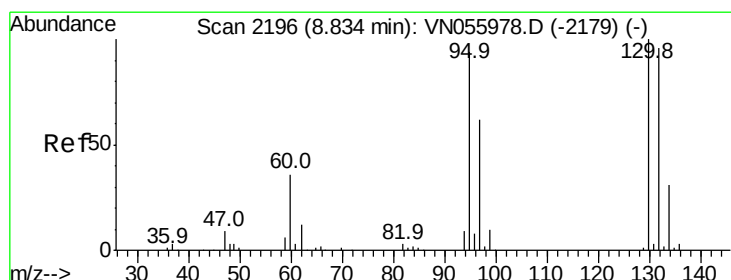
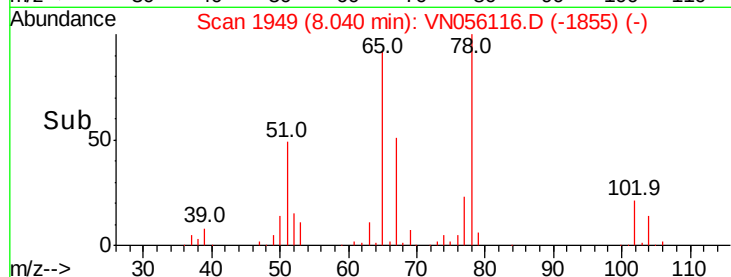
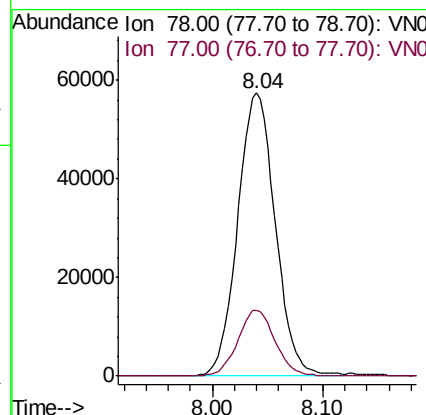
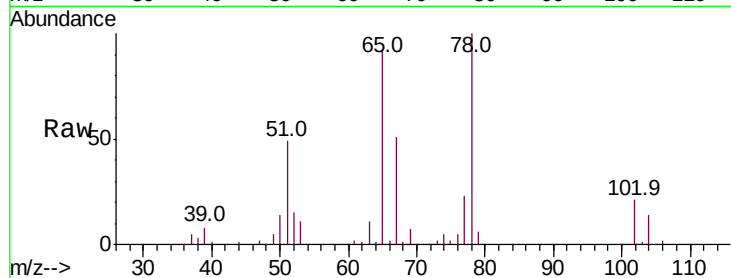
LF015MW047-190604

Tot Ion: 78 Resp: 135501

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



#44

Trichloroethene

Concen: 0.623 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056116.D

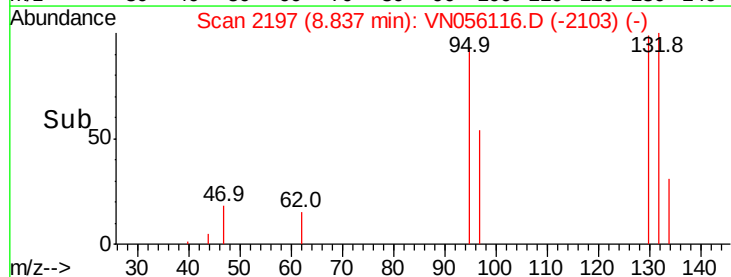
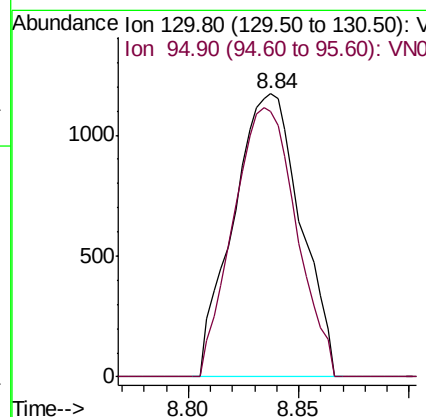
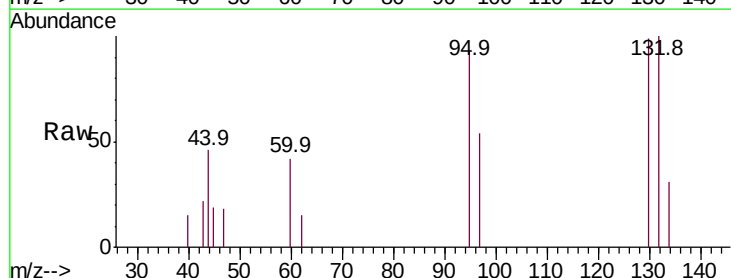
Acq: 7 Jun 2019 22:41

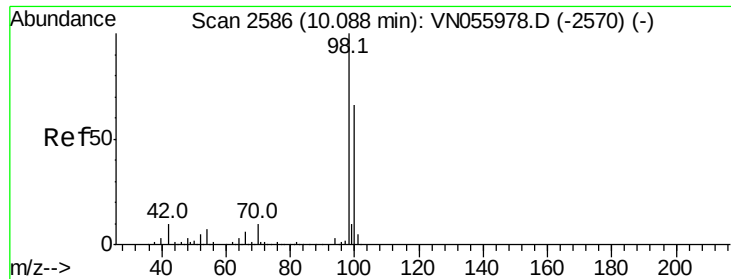
Tgt Ion:130 Resp: 2470

Ion Ratio Lower Upper

130 100

95 93.7 0.0 188.0





#50

Toluene-d8

Concen: 54.294 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056116.D

Acq: 7 Jun 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

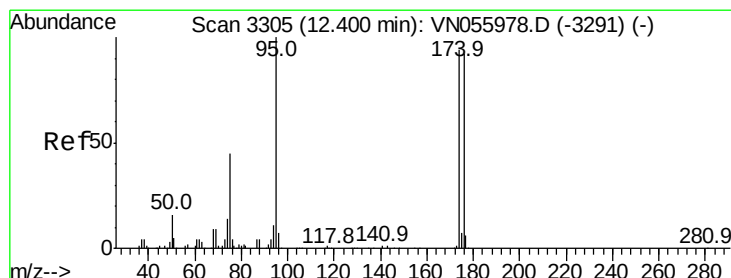
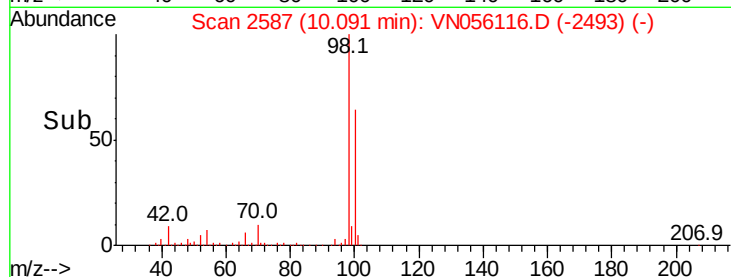
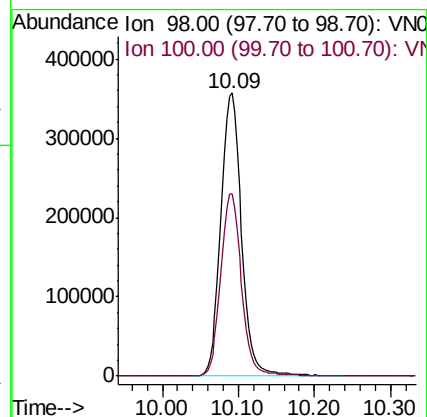
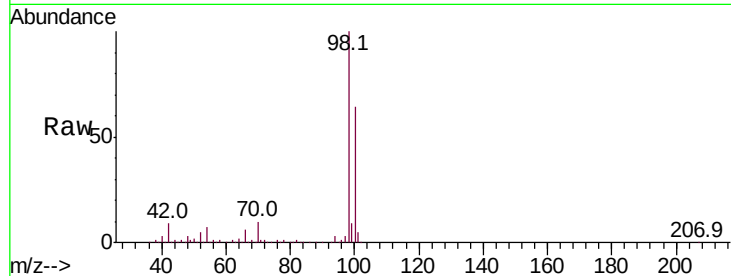
LF015MW047-190604

Tot Ion: 98 Resp: 676890

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 56.820 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056116.D

Acq: 7 Jun 2019 22:41

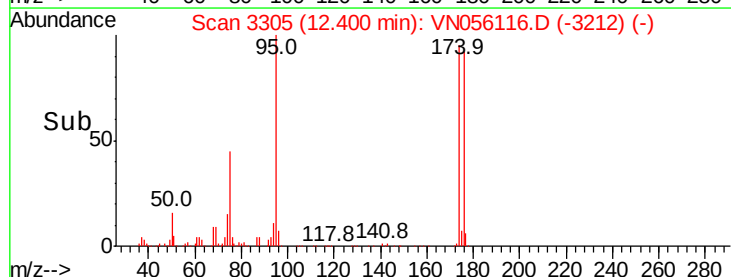
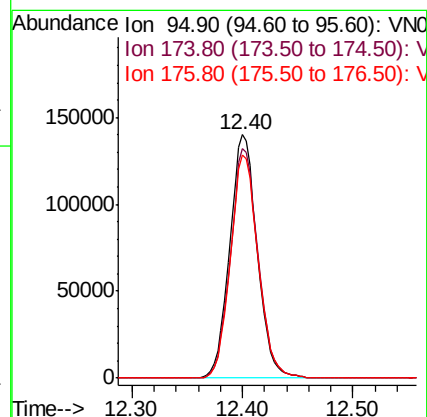
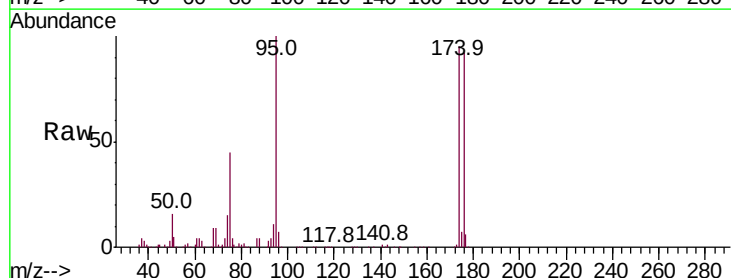
Tgt Ion: 95 Resp: 240902

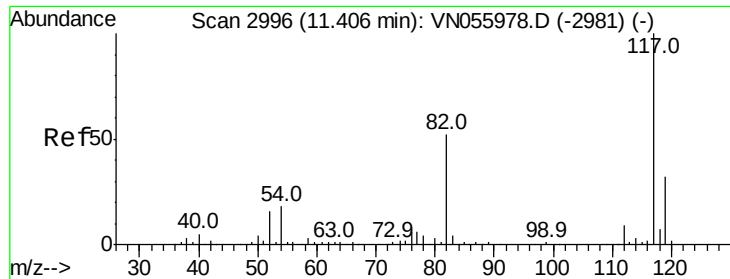
Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.0

176 92.7 0.0 185.2

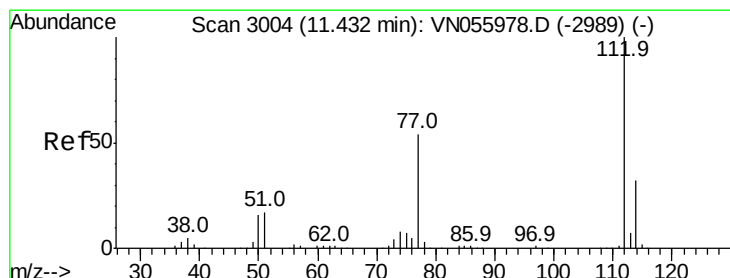
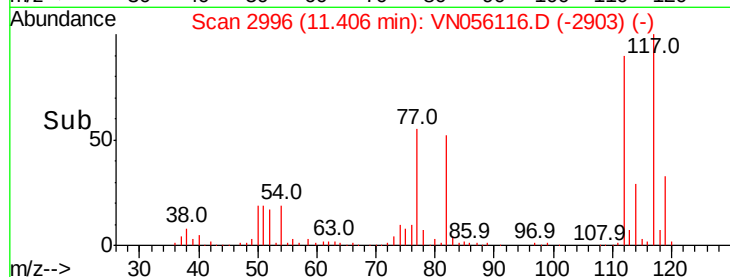
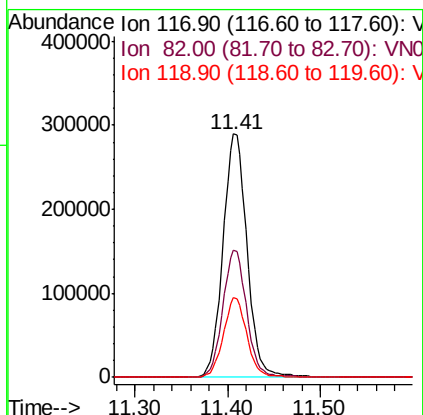
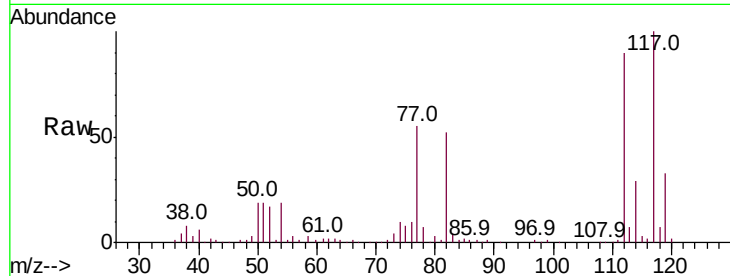




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056116.D
Acq: 7 Jun 2019 22:41

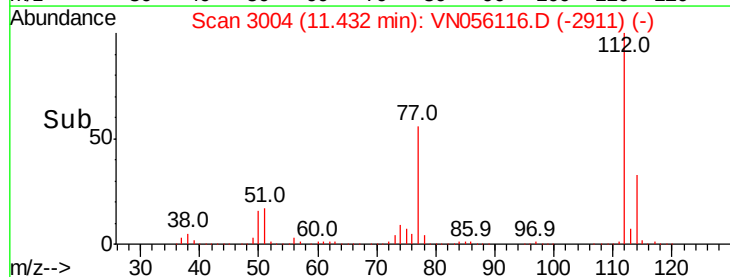
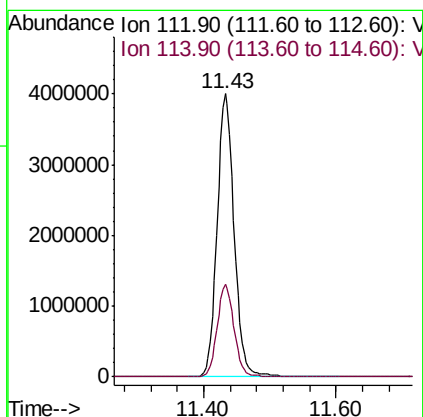
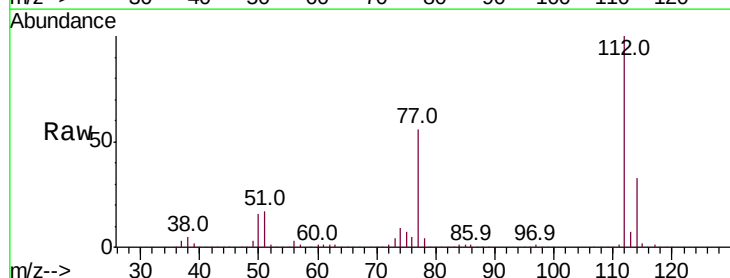
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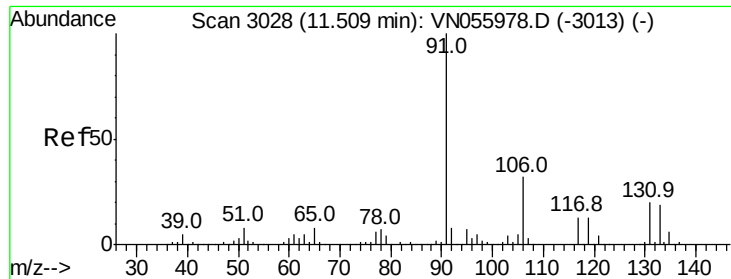
Tot Ion:117 Resp: 520192
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 32.8 25.4 38.0



#65
Chlorobenzene
Concen: 684.625 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056116.D
Acq: 7 Jun 2019 22:41

Tgt Ion:112 Resp: 7087829
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

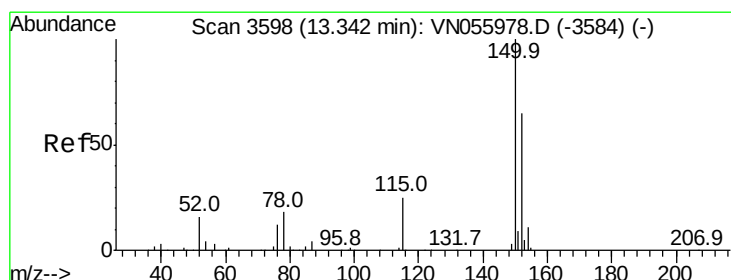
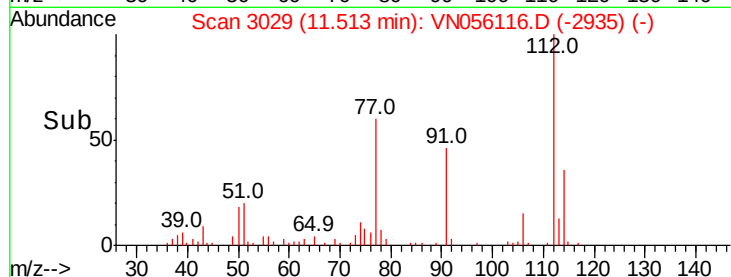
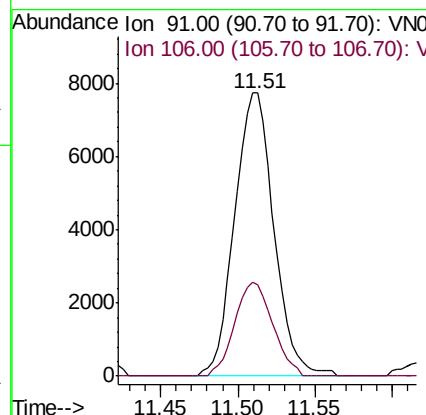
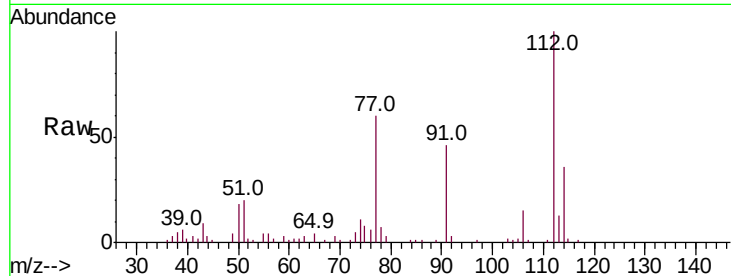




#67
Ethyl Benzene
Concen: 0.756 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN056116.D
Acq: 7 Jun 2019 22:41

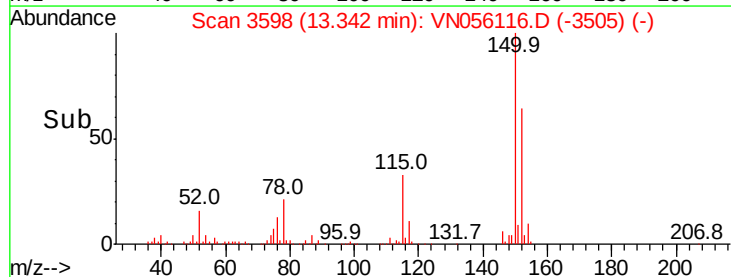
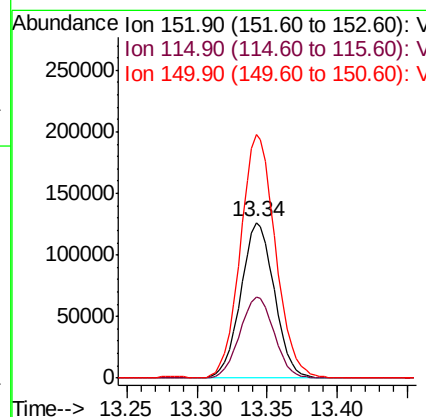
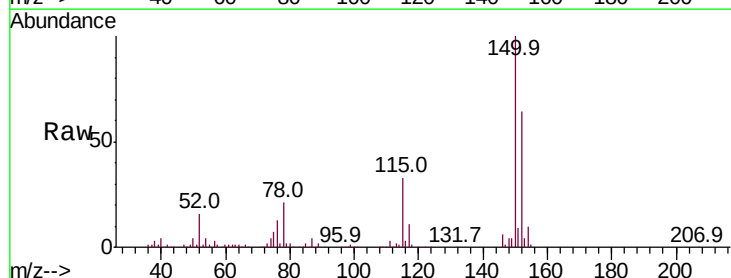
Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

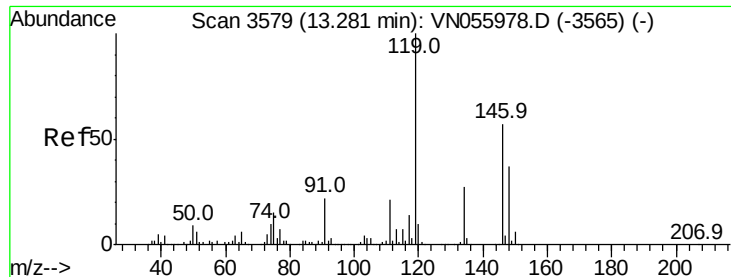
Tot Ion: 91 Resp: 13615
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056116.D
Acq: 7 Jun 2019 22:41

Tgt Ion: 152 Resp: 211393
Ion Ratio Lower Upper
152 100
115 53.3 27.0 81.0
150 162.7 0.0 343.2

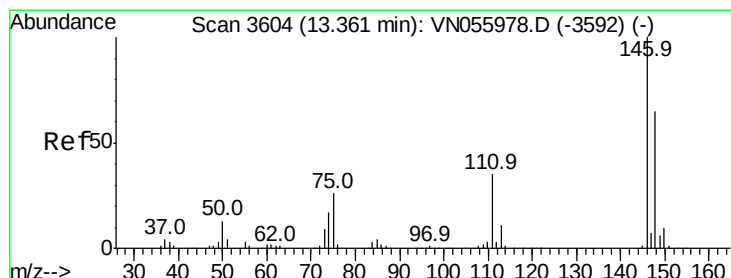
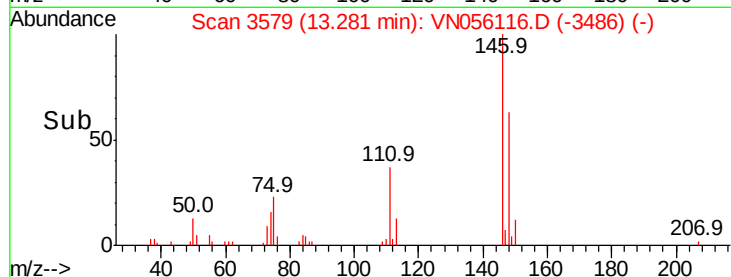
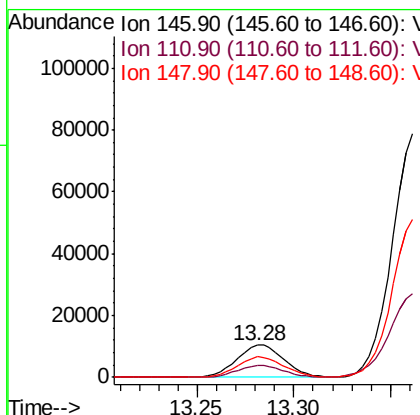
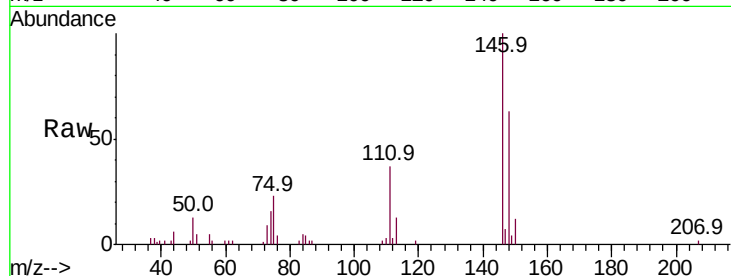




#87
 1,3-Dichlorobenzene
 Concen: 2.533 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056116.D
 Acq: 7 Jun 2019 22:41

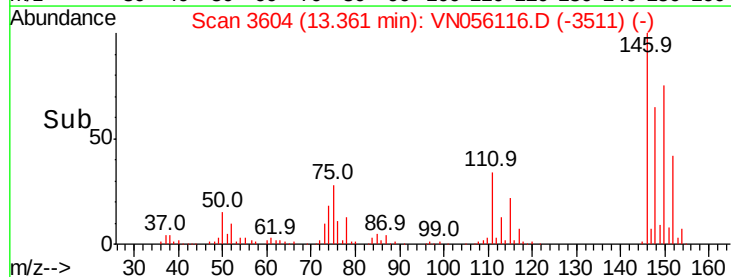
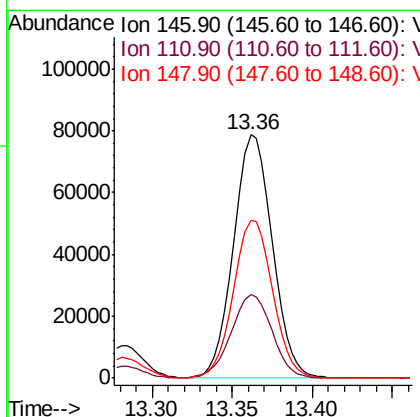
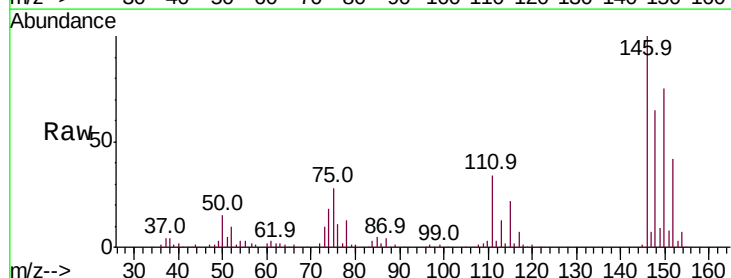
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

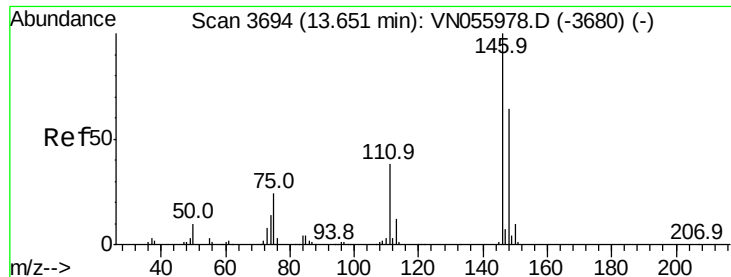
Tot Ion:146 Resp: 17740
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.5 55.5
 148 62.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.363 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056116.D
 Acq: 7 Jun 2019 22:41

Tgt Ion:146 Resp: 130474
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.1 54.4
 148 65.2 32.1 96.5





#91

1,2-Dichlorobenzene

Concen: 71.654 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056116.D

Acq: 7 Jun 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

LF015MW047-190604

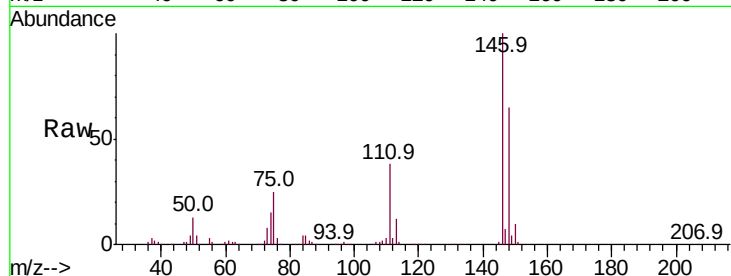
Tot Ion:146 Resp: 506744

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.5

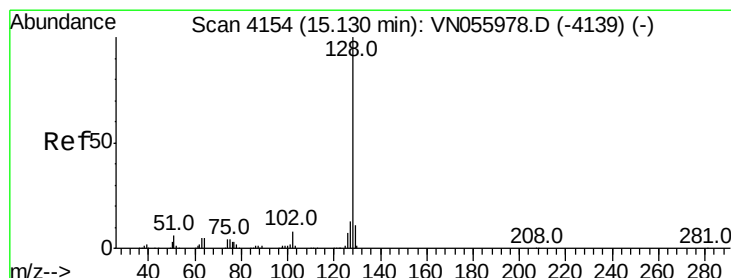
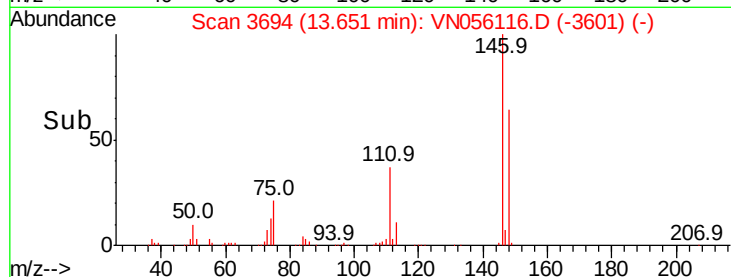
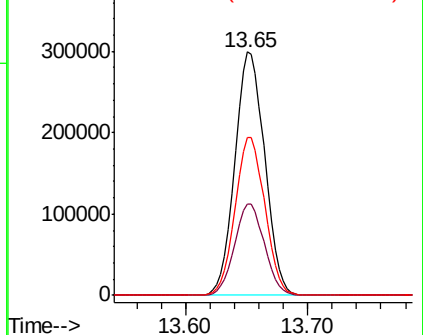
148 64.7 31.9 95.9



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



#95

Naphthalene

Concen: 5.036 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056116.D

Acq: 7 Jun 2019 22:41

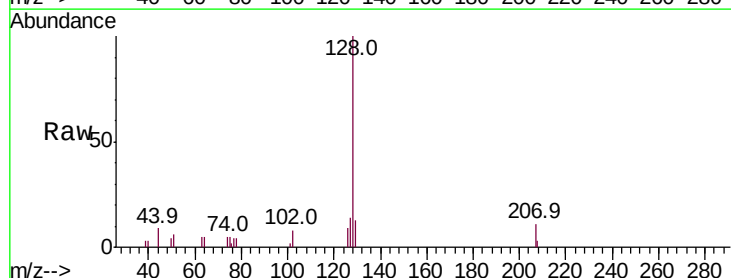
Tgt Ion:128 Resp: 12975

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.7 8.7 13.1



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

