

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056052.D
 Acq On : 6 Jun 2019 17:51
 Operator : JC/SP
 Sample : K3203-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

Quant Time: Jun 07 06:28:37 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	315222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	480461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191775	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	166207	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	144623	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	10.09	98	607876	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
62) 4-Bromofluorobenzene	12.40	95	215782	55.94	ug/l	0.00
Spiked Amount			Recovery	=	111.88%	

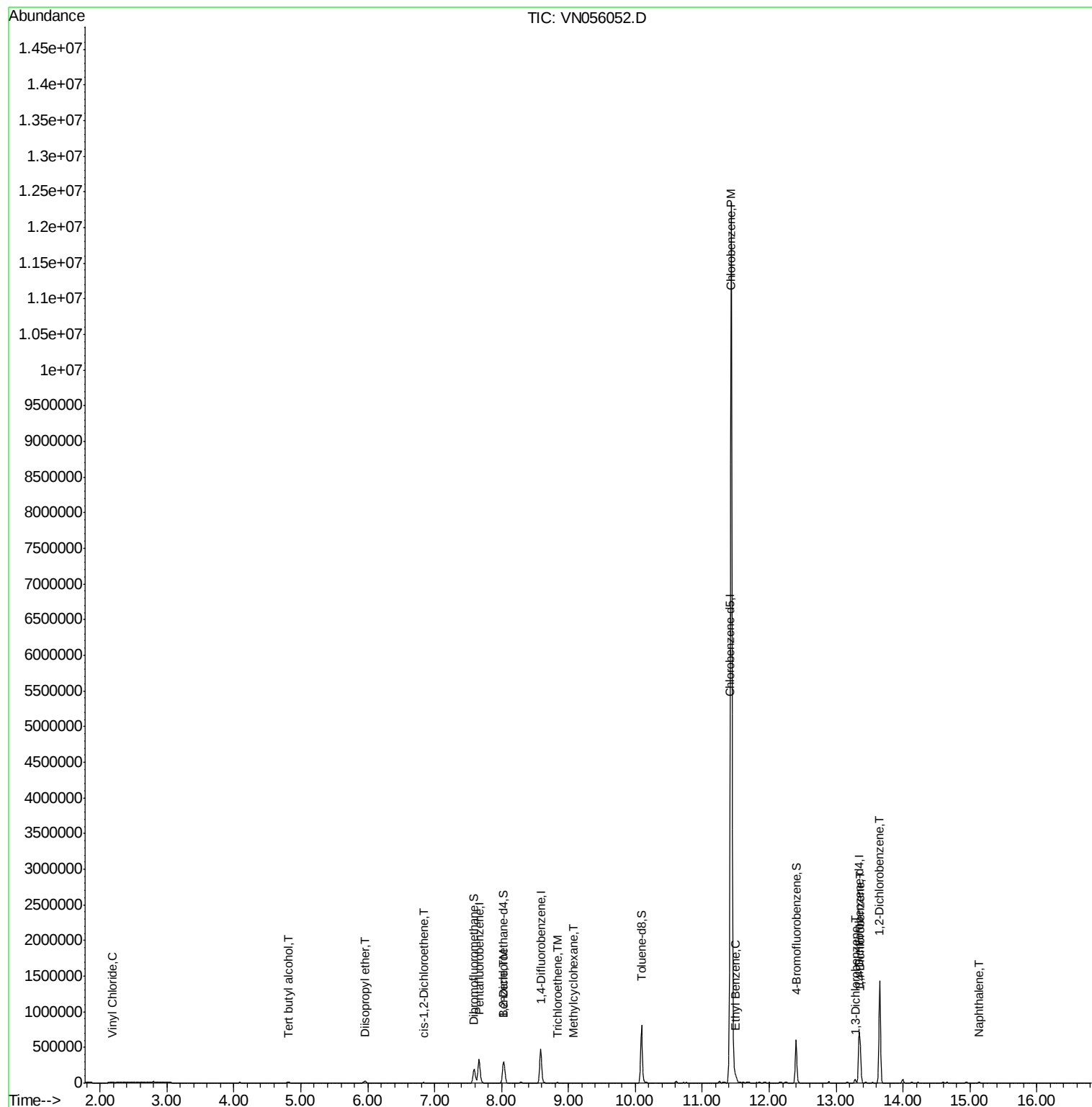
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	4816	1.405	ug/l	96
11) Tert butyl alcohol	4.82	59	18423	33.824	ug/l #	80
22) Diisopropyl ether	5.96	45	30473	3.528	ug/l	90
27) cis-1,2-Dichloroethene	6.82	96	3164	0.949	ug/l	97
39) Methylcyclohexane	9.08	83	1471	0.286	ug/l	95
40) Benzene	8.04	78	141528	11.279	ug/l	99
44) Trichloroethene	8.83	130	2964	0.822	ug/l	99
65) Chlorobenzene	11.43	112	7584198	817.490	ug/l	100
67) Ethyl Benzene	11.51	91	15325	0.950	ug/l	91
87) 1,3-Dichlorobenzene	13.28	146	22581	3.553	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	168779	27.610	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	685457	106.840	ug/l	99
95) Naphthalene	15.13	128	16338	5.495	ug/l	98

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

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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: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

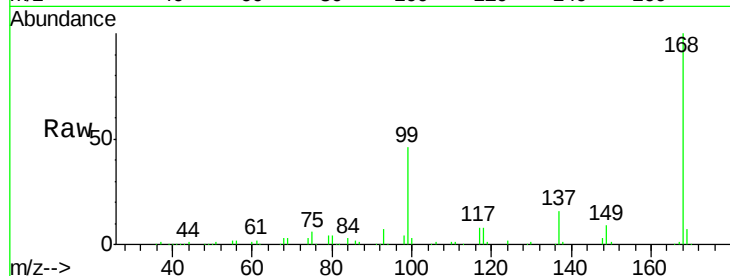
LF015MW047-190604

Tot Ion:168 Resp: 315222

Ion Ratio Lower Upper

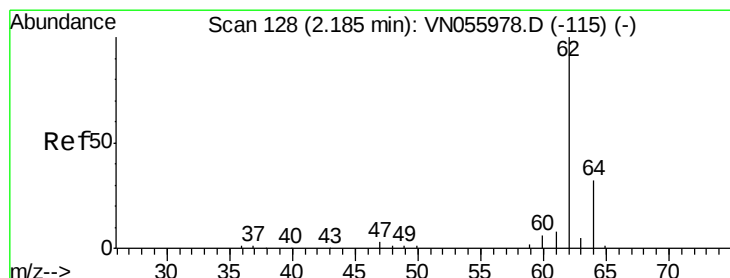
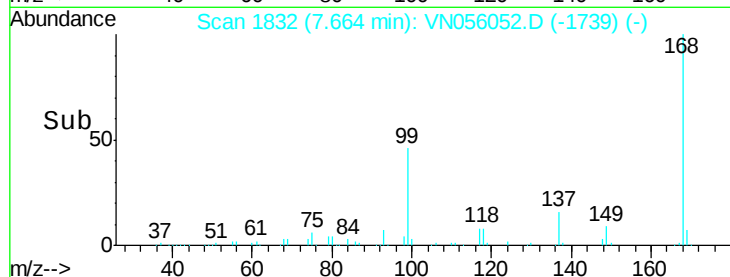
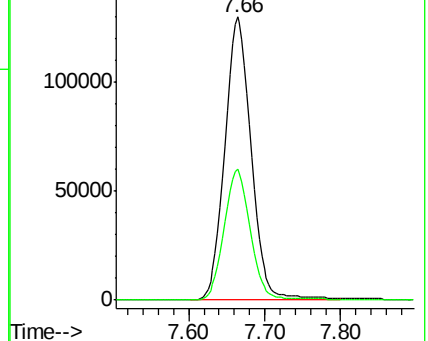
168 100

99 46.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 1.405 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056052.D

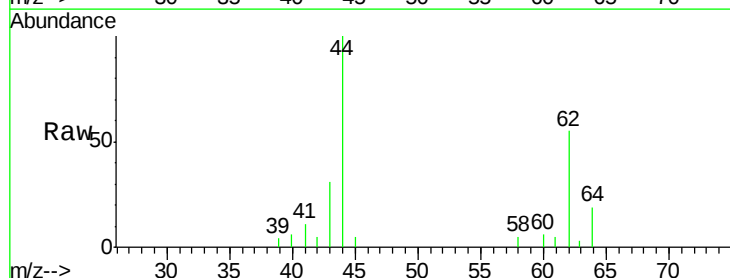
Acq: 6 Jun 2019 17:51

Tgt Ion: 62 Resp: 4816

Ion Ratio Lower Upper

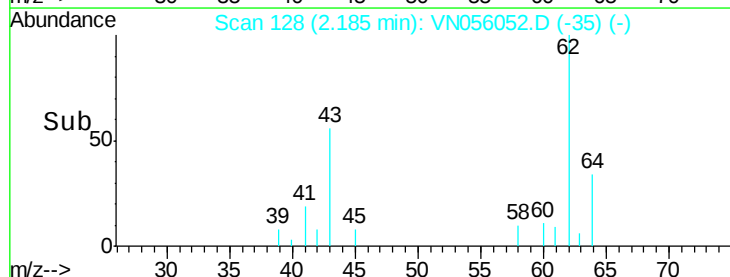
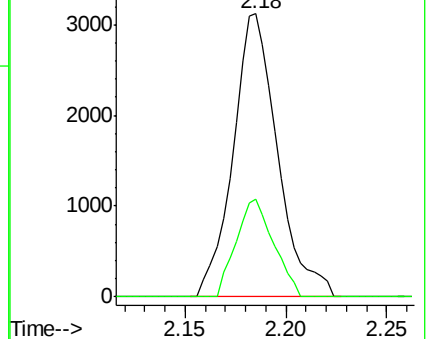
62 100

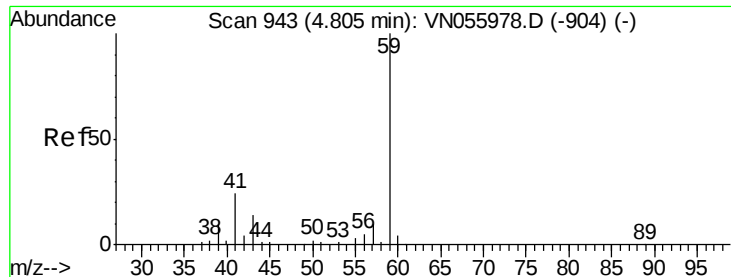
64 34.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



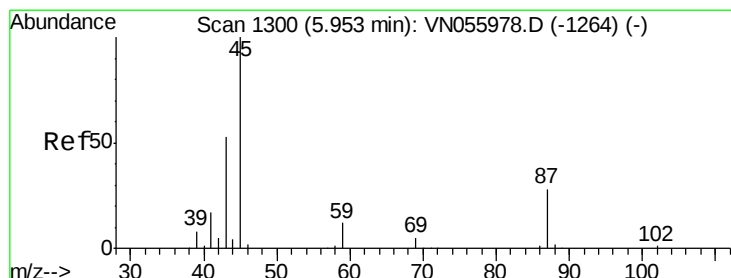
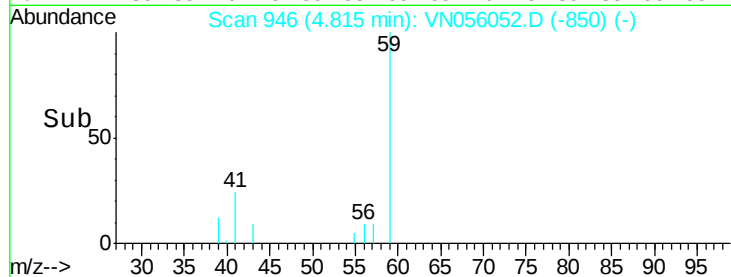
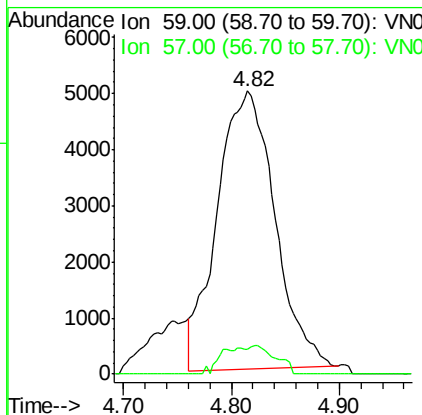
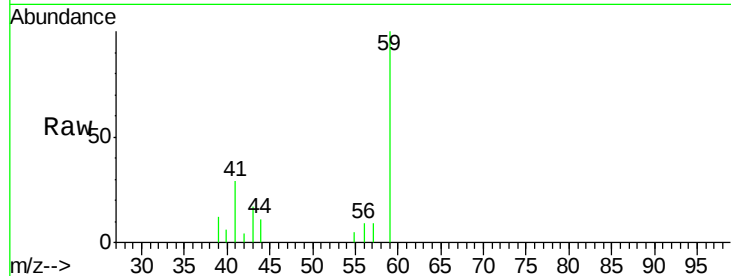


#11

Tert butyl alcohol
 Concen: 33.824 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

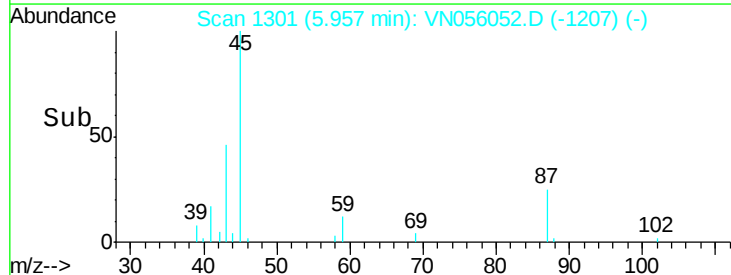
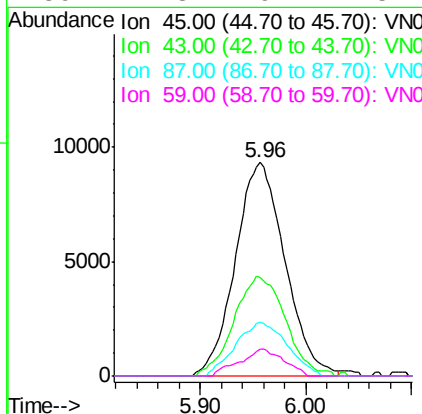
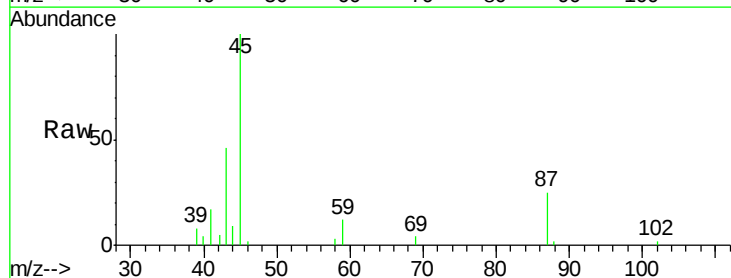
Tot Ion: 59 Resp: 18423
 Ion Ratio Lower Upper
 59 100
 57 2.3 7.8 11.6#

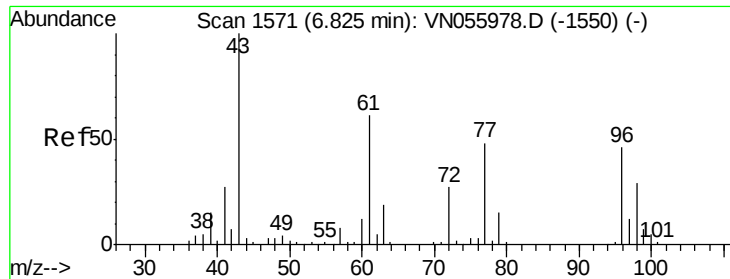


#22

Diisopropyl ether
 Concen: 3.528 ug/l
 RT: 5.96 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Tgt Ion: 45 Resp: 30473
 Ion Ratio Lower Upper
 45 100
 43 46.3 45.0 67.6
 87 25.1 22.2 33.4
 59 12.3 9.1 13.7





#27

cis-1,2-Dichloroethene

Concen: 0.949 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

LF015MW047-190604

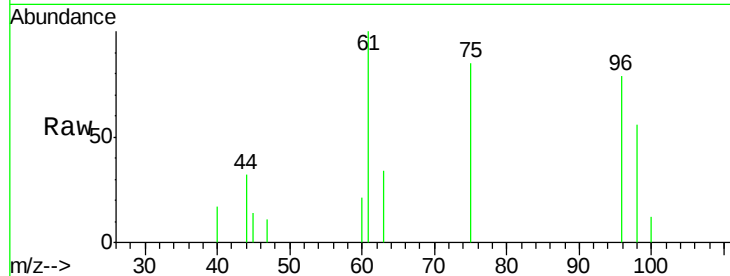
Tot Ion: 96 Resp: 3164

Ion Ratio Lower Upper

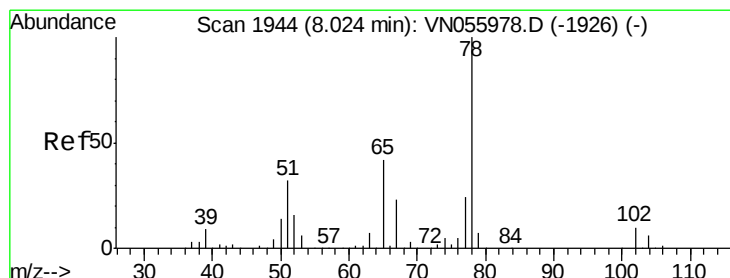
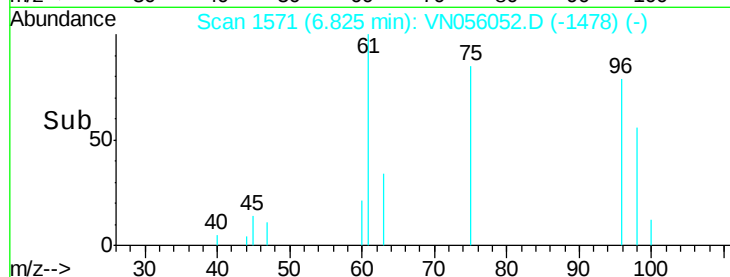
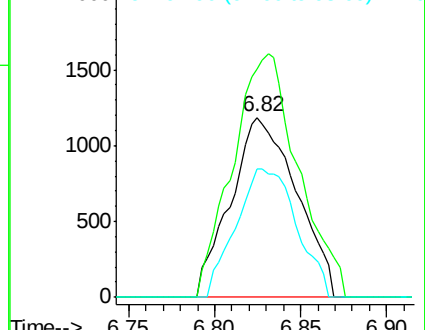
96 100

61 134.2 0.0 275.8

98 65.6 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: 53.103 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056052.D

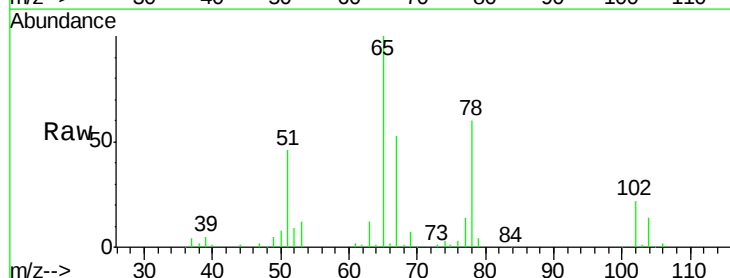
Acq: 6 Jun 2019 17:51

Tgt Ion: 65 Resp: 166207

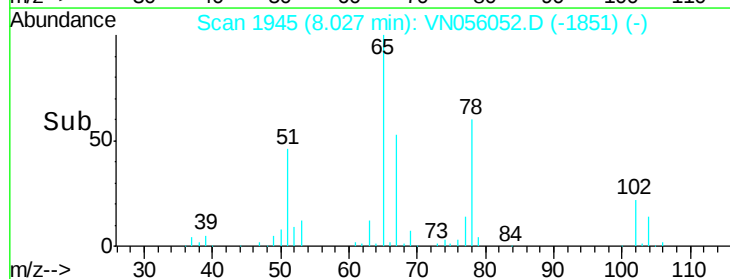
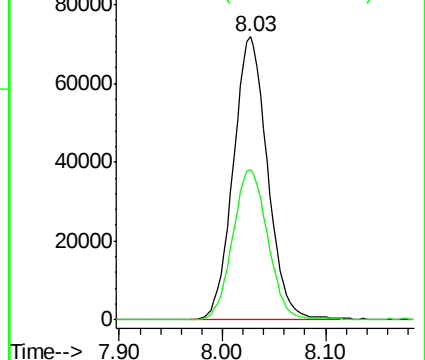
Ion Ratio Lower Upper

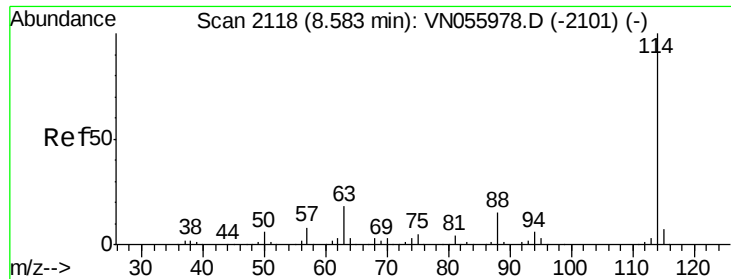
65 100

67 54.6 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

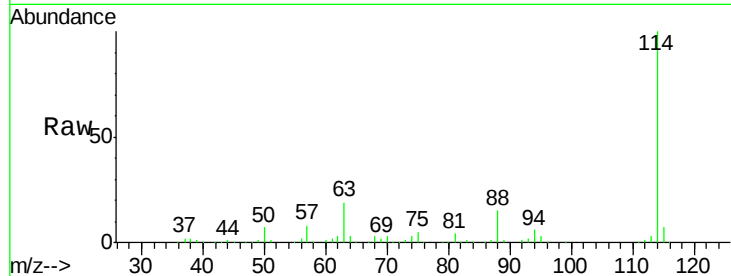




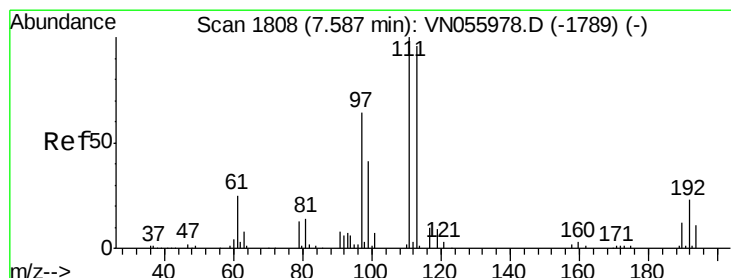
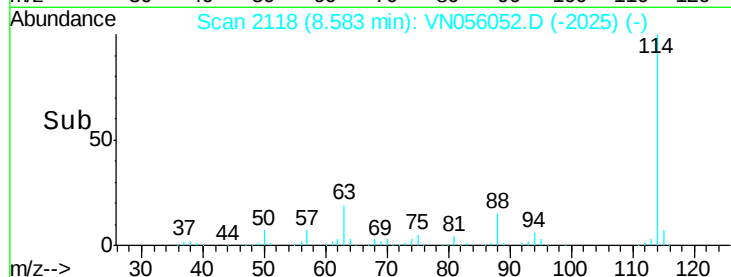
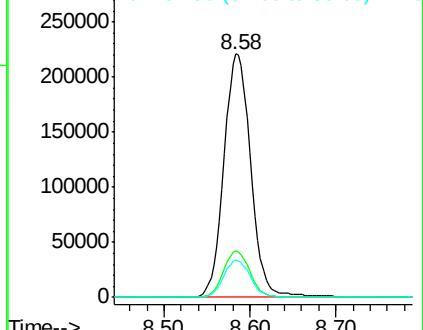
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.2
88	15.2	0.0	31.0

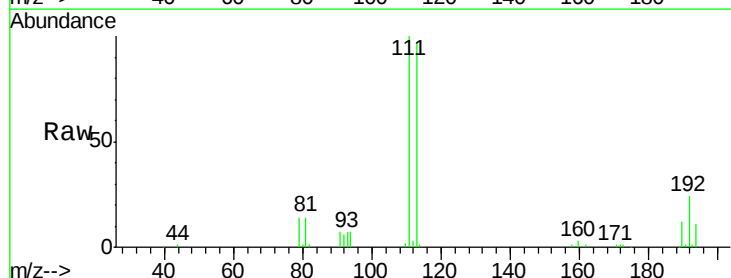


Abundance Ion 113.90 (113.60 to 114.60): V

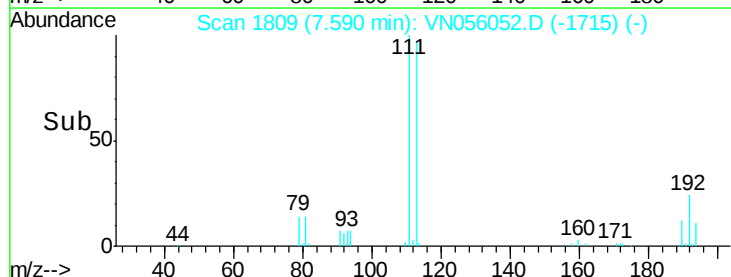
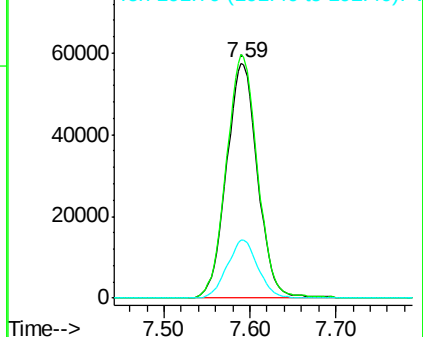


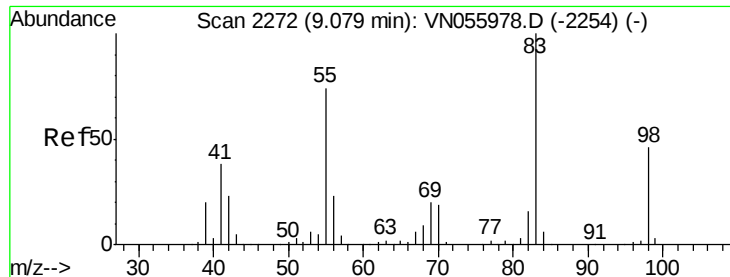
#35
 Dibromofluoromethane
 Concen: 49.062 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	24.5	19.5	29.3



Abundance Ion 112.80 (112.50 to 113.50): V

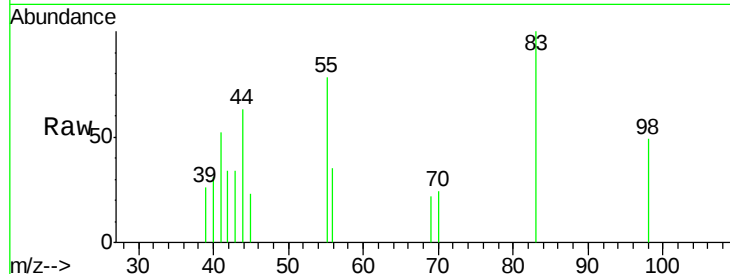




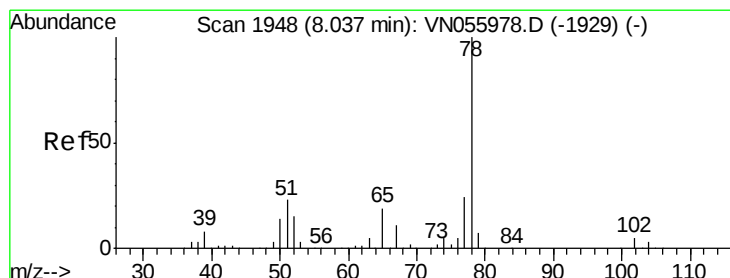
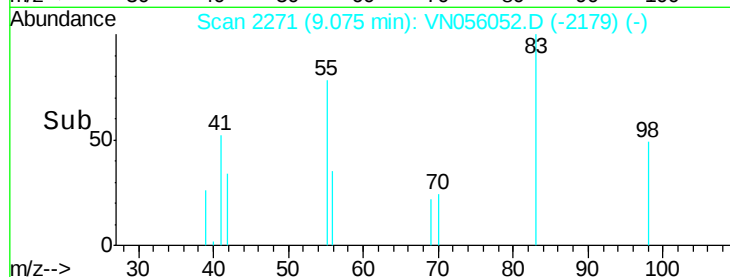
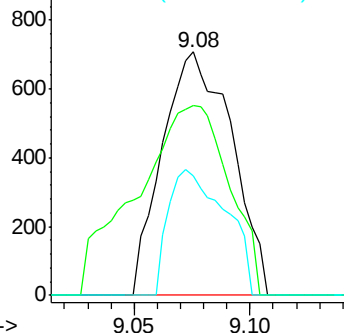
#39
Methvlcvclohexane
Concen: 0.286 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

Tot Ion: 83 Resp: 1471
Ion Ratio Lower Upper
83 100
55 78.0 59.3 88.9
98 48.9 36.6 54.8

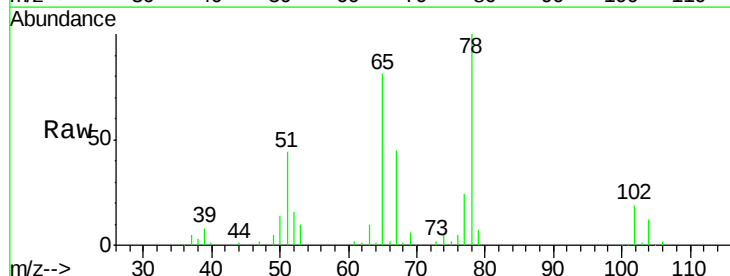


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

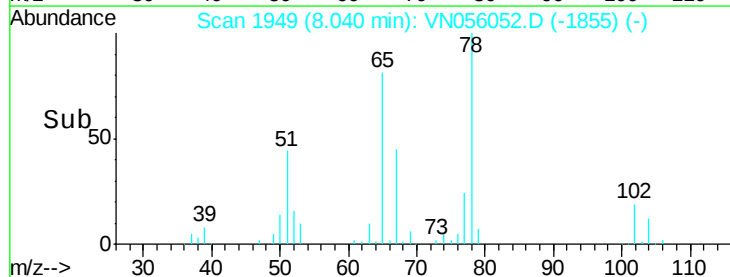
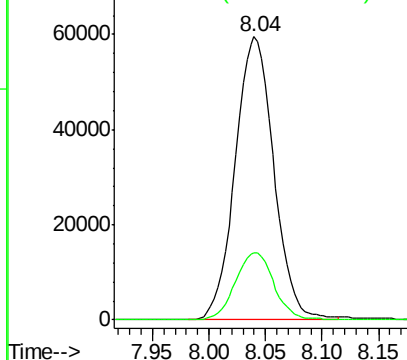


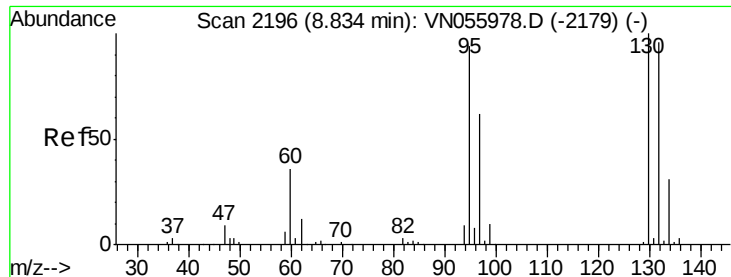
#40
Benzene
Concen: 11.279 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion: 78 Resp: 141528
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#44

Trichloroethene

Concen: 0.822 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

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ClientSampleId :

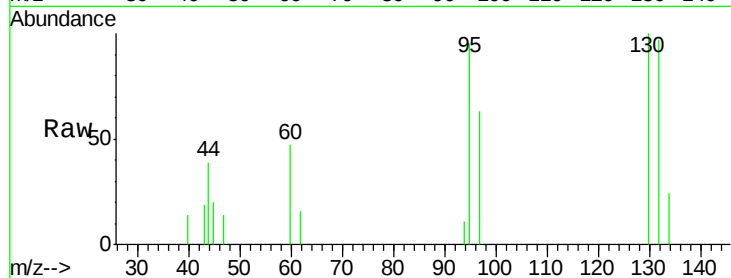
LF015MW047-190604

Tot Ion:130 Resp: 2964

Ion Ratio Lower Upper

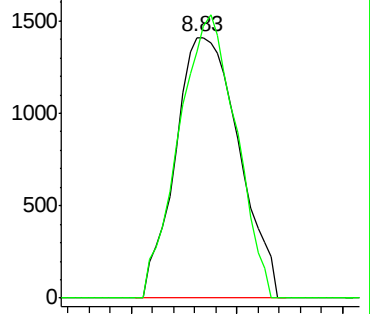
130 100

95 94.8 0.0 188.0

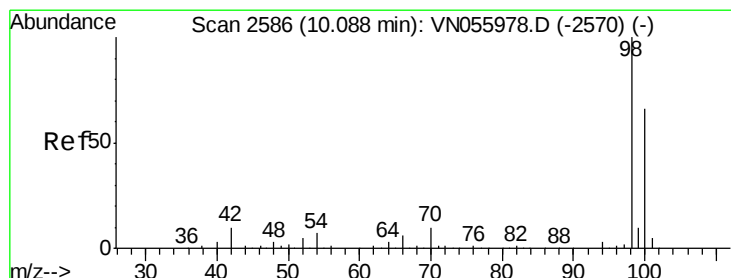
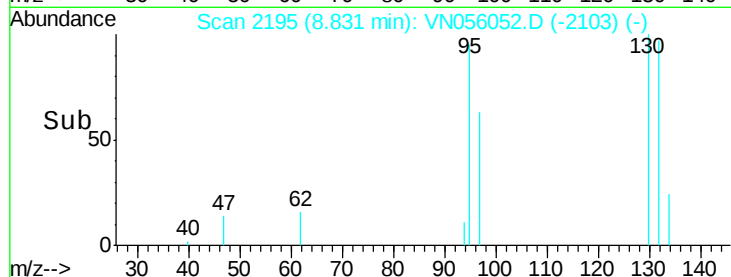


Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)



Time-->



#50

Toluene-d8

Concen: 53.590 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056052.D

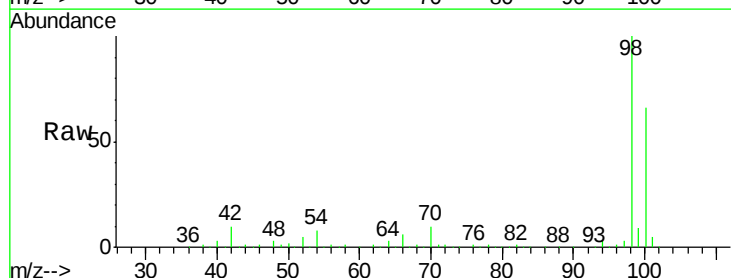
Acq: 6 Jun 2019 17:51

Tgt Ion: 98 Resp: 607876

Ion Ratio Lower Upper

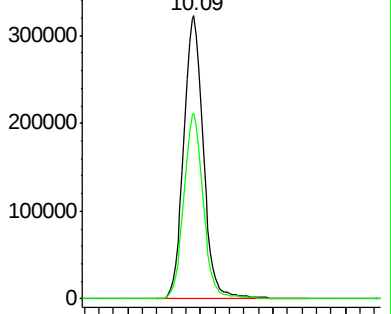
98 100

100 64.6 51.9 77.9

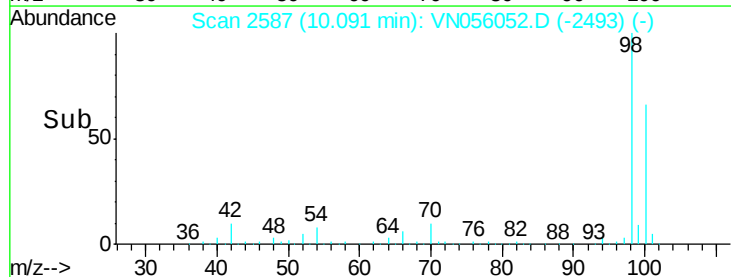


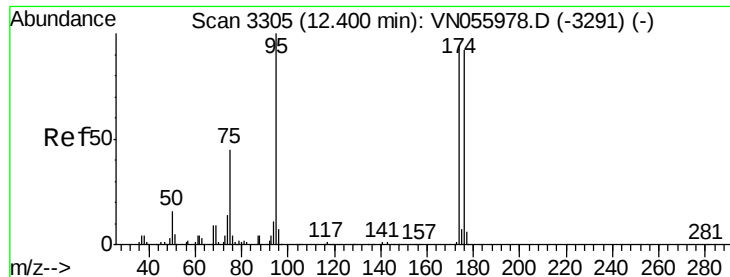
Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: 55.938 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

LF015MW047-190604

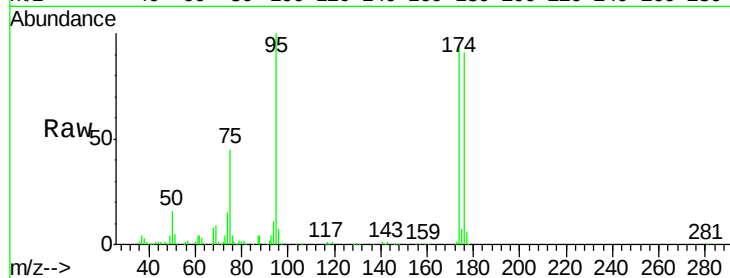
Tot Ion: 95 Resp: 215782

Ion Ratio Lower Upper

95 100

174 94.5 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

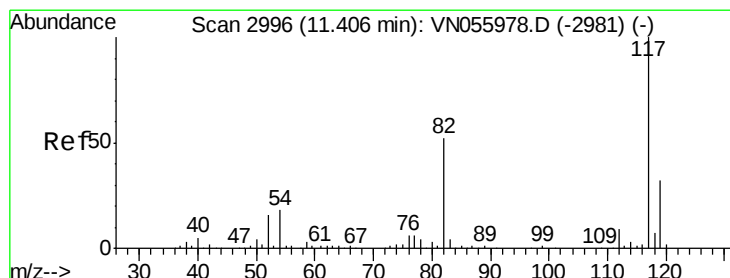
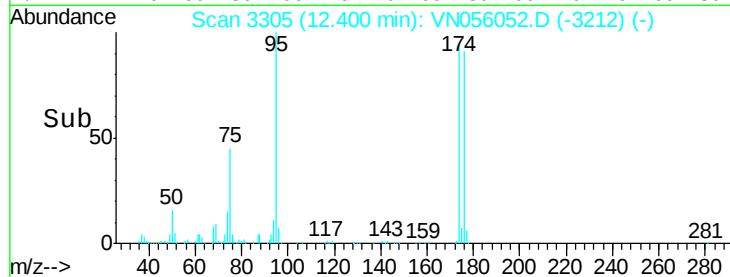
150000

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: VN056052.D

Acq: 6 Jun 2019 17:51

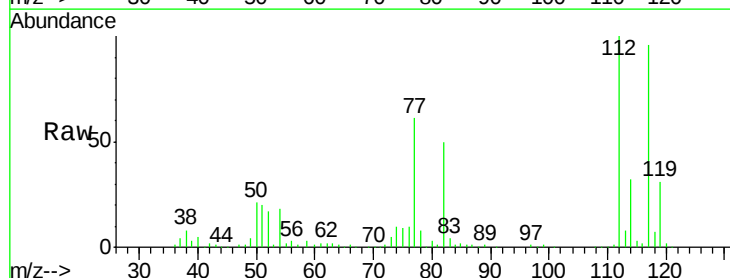
Tgt Ion: 117 Resp: 466155

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

119 32.4 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

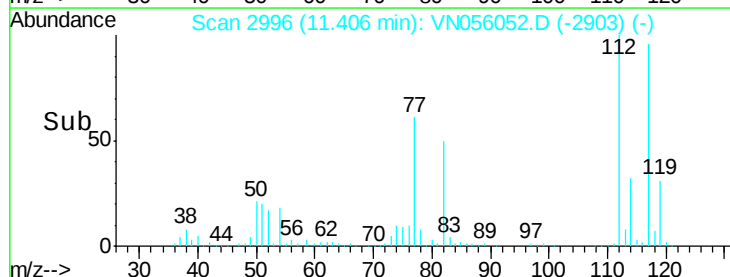
300000

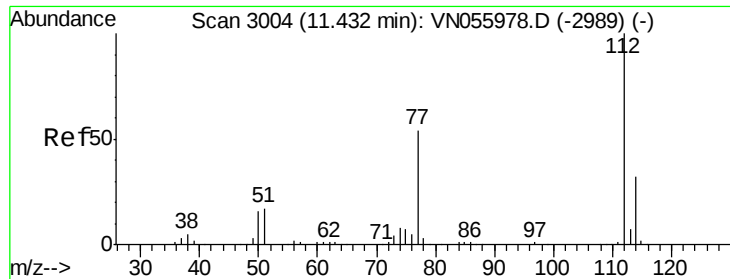
200000

100000

0

Time--> 11.30 11.40 11.50

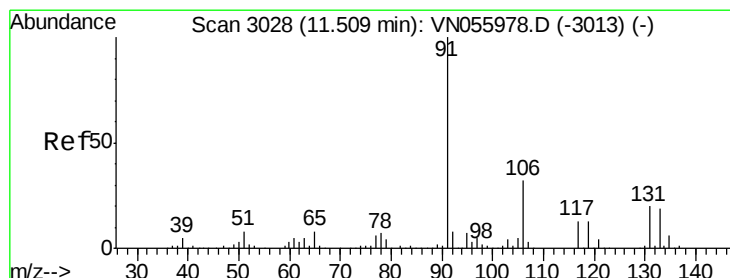
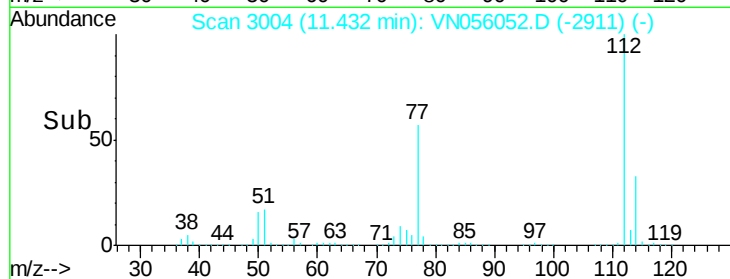
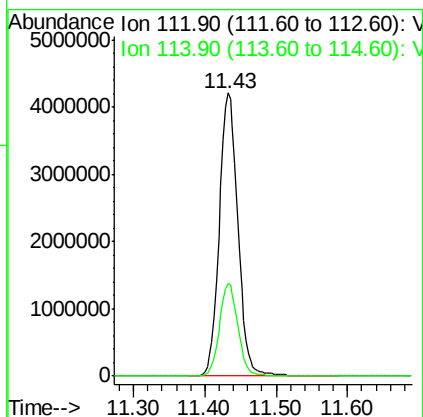
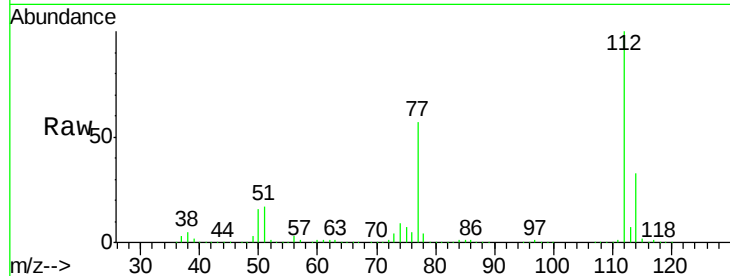




#65
Chlorobenzene
Concen: 817.490 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

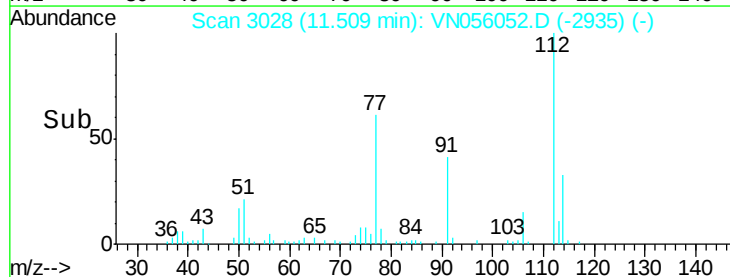
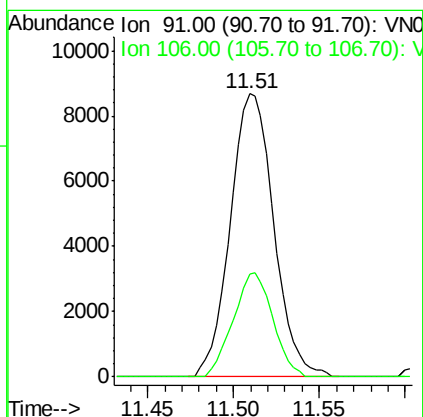
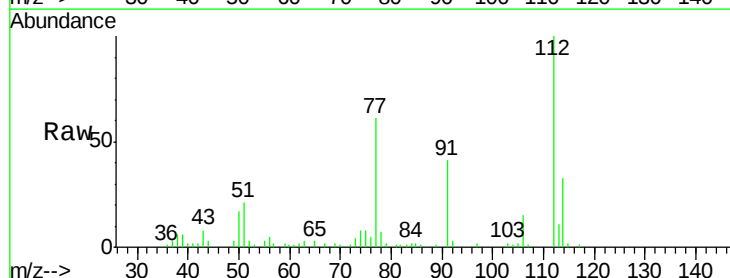
Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

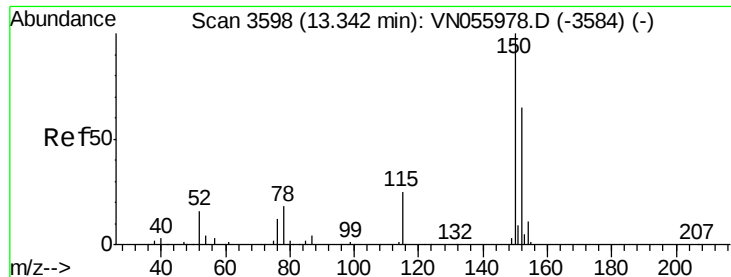
Tot Ion:112 Resp: 7584198
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.4



#67
Ethyl Benzene
Concen: 0.950 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Tgt Ion: 91 Resp: 15325
Ion Ratio Lower Upper
91 100
106 36.3 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: VN056052.D

Acq: 6 Jun 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

LF015MW047-190604

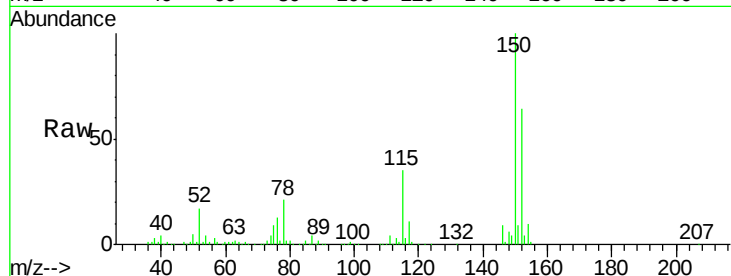
Tot Ion:152 Resp: 191775

Ion Ratio Lower Upper

152 100

115 53.1 27.0 81.0

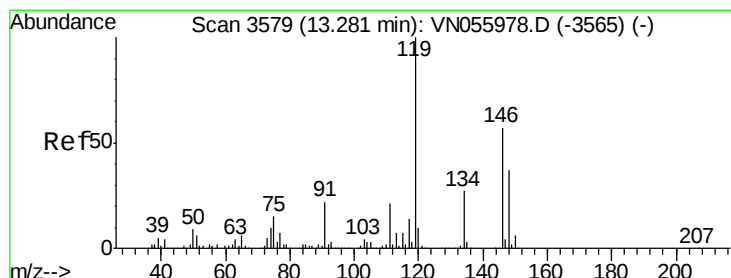
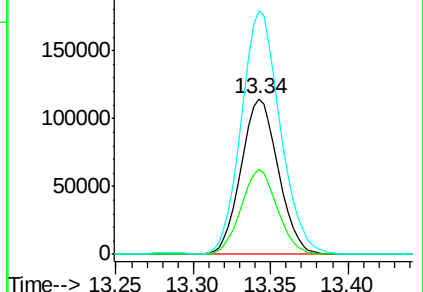
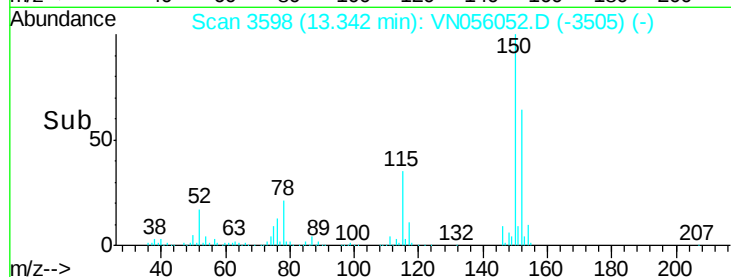
150 163.7 0.0 343.2



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



#87

1,3-Dichlorobenzene

Concen: 3.553 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056052.D

Acq: 6 Jun 2019 17:51

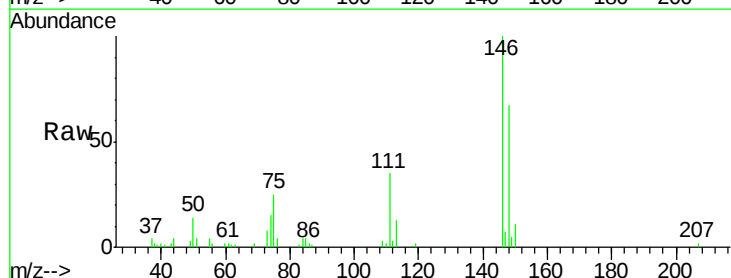
Tgt Ion:146 Resp: 22581

Ion Ratio Lower Upper

146 100

111 34.8 18.5 55.5

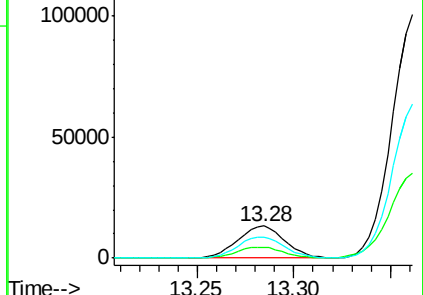
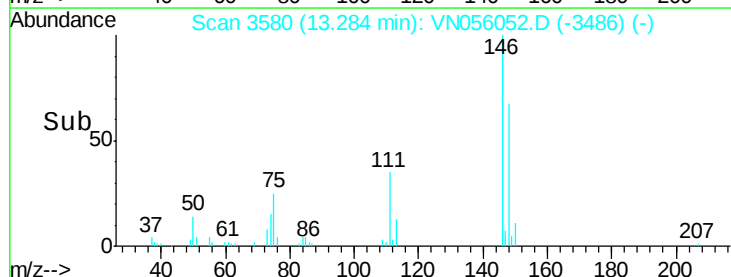
148 66.3 32.0 96.2

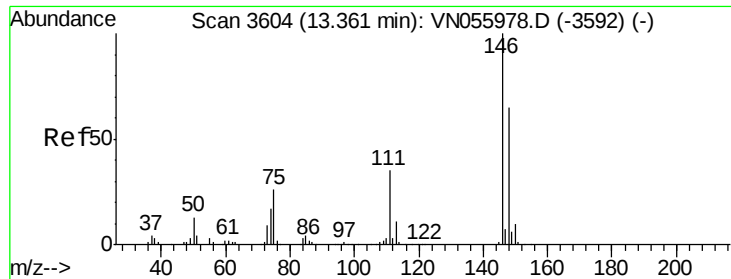


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

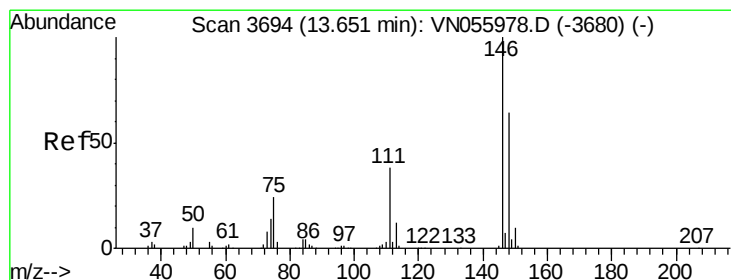
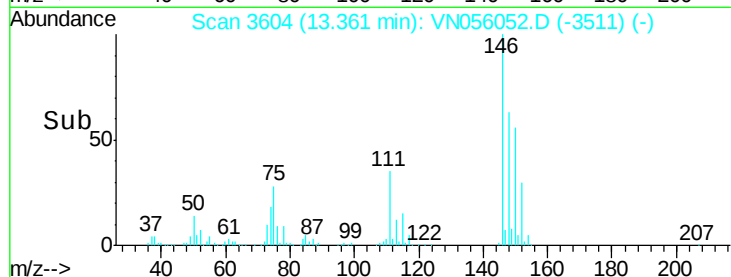
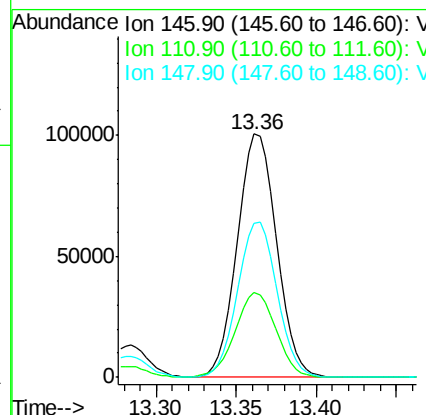
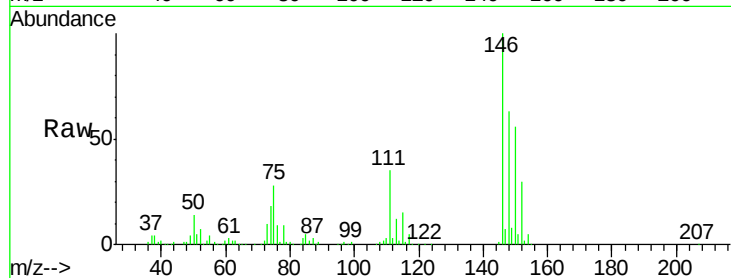




#88
 1,4-Dichlorobenzene
 Concen: 27.610 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

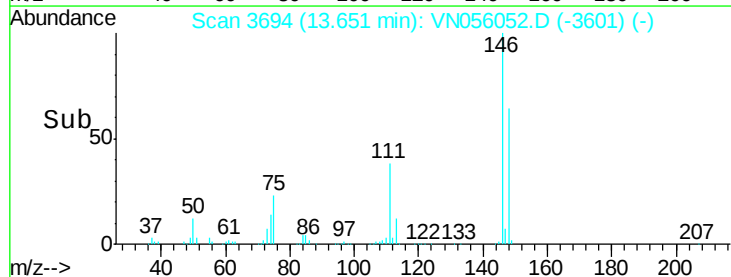
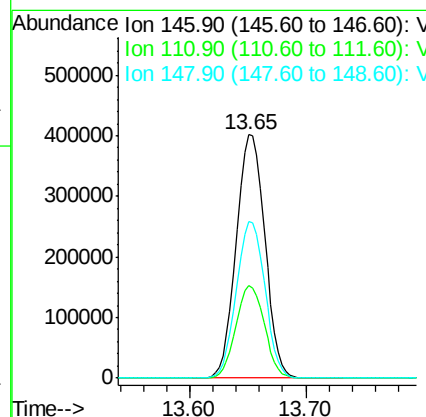
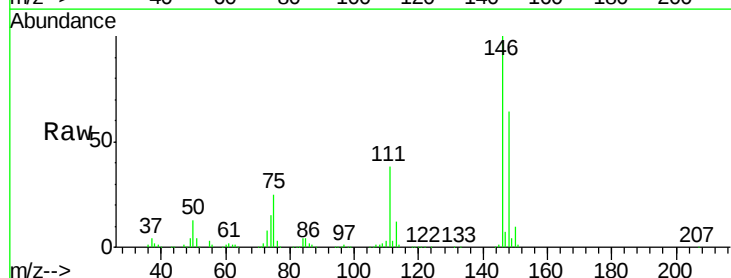
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW047-190604

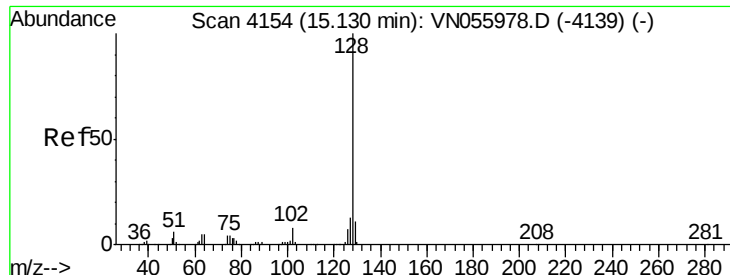
Tot Ion:146 Resp: 168779
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.1 54.4
 148 64.0 32.1 96.5



#91
 1,2-Dichlorobenzene
 Concen: 106.840 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056052.D
 Acq: 6 Jun 2019 17:51

Tgt Ion:146 Resp: 685457
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.5
 148 64.1 31.9 95.9





#95
Naphthalene
Concen: 5.495 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056052.D
Acq: 6 Jun 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
LF015MW047-190604

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.1	8.7	13.1

