

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059312.D
 Acq On : 19 Nov 2019 17:58
 Operator : JC/SP
 Sample : K5900-08DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30698DL

Quant Time: Nov 20 03:06:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	411314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	644029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	551268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209686	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	242102	47.88	ug/l	0.00
Spiked Amount						
			Recovery	=	95.76%	
35) Dibromofluoromethane	7.57	113	190137	49.44	ug/l	0.00
Spiked Amount						
			Recovery	=	98.88%	
50) Toluene-d8	10.08	98	764118	50.45	ug/l	0.00
Spiked Amount						
			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	247411	45.30	ug/l	0.00
Spiked Amount						
			Recovery	=	90.60%	

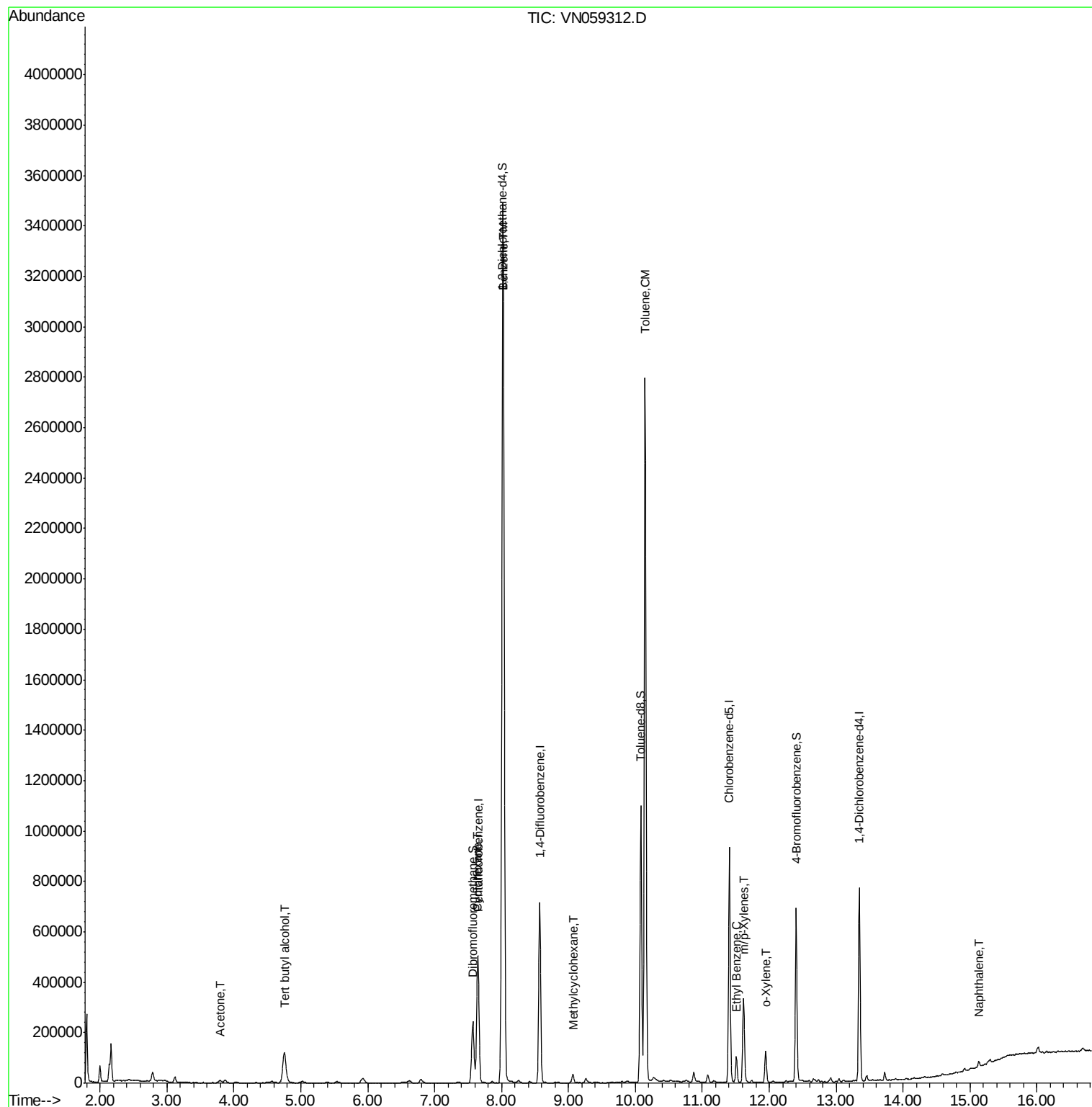
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	239985	249.054	ug/l	99
16) Acetone	3.80	43	14608	5.556	ug/l	96
31) Cyclohexane	7.64	56	20705	2.630	ug/l #	57
39) Methylcyclohexane	9.07	83	13745	1.967	ug/l	94
40) Benzene	8.02	78	3667249	202.300	ug/l	98
52) Toluene	10.15	92	1278636	117.682	ug/l	97
67) Ethyl Benzene	11.51	91	74474	3.906	ug/l	98
68) m/p-Xylenes	11.62	106	110242	15.436	ug/l	98
69) o-Xylene	11.95	106	35112	5.087	ug/l	99
95) Naphthalene	15.13	128	17195	4.531	ug/l	99

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

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QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059312.D

Acq: 19 Nov 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

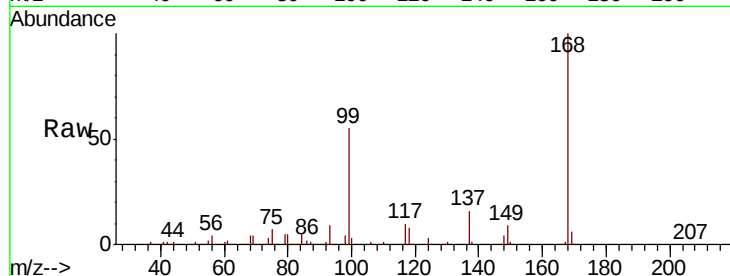
30698DL

Tot Ion:168 Resp: 411314

Ion Ratio Lower Upper

168 100

99 55.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

200000 Ion 98.90 (98.60 to 99.60): VN

7.65

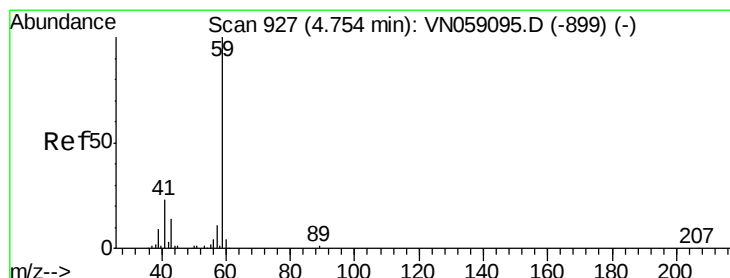
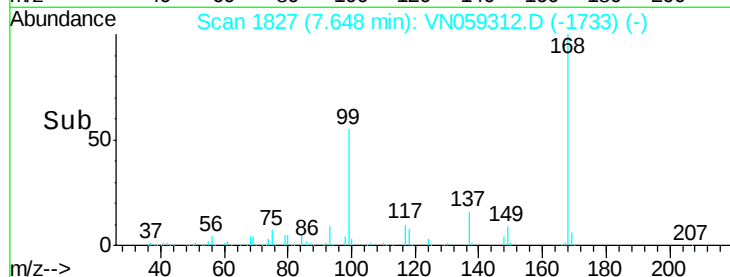
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 249.054 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.00 min

Lab File: VN059312.D

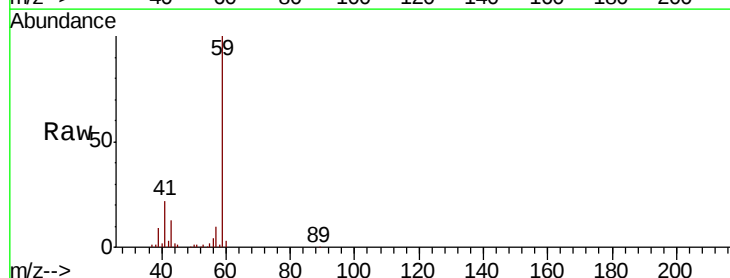
Acq: 19 Nov 2019 17:58

Tgt Ion: 59 Resp: 239985

Ion Ratio Lower Upper

59 100

57 10.0 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN

80000 Ion 57.00 (56.70 to 57.70): VN

4.75

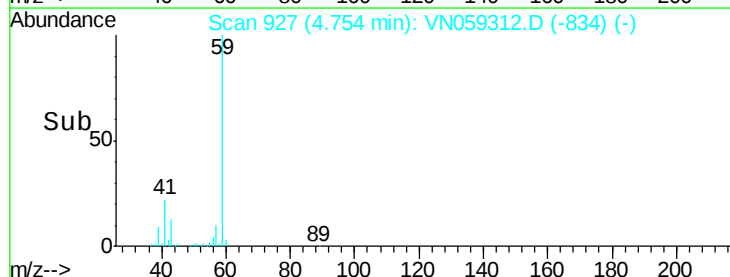
60000

40000

20000

0

Time--> 4.60 4.70 4.80 4.90





#16

Acetone

Concen: 5.556 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059312.D

Acq: 19 Nov 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

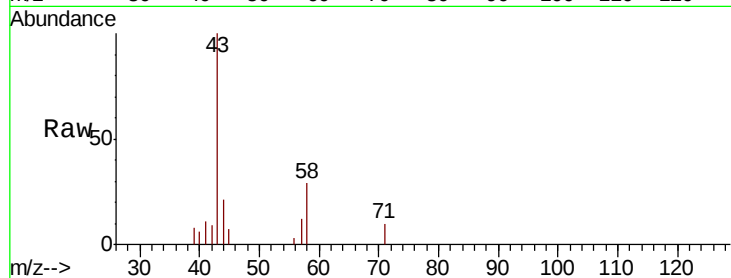
30698DL

Tot Ion: 43 Resp: 14608

Ion Ratio Lower Upper

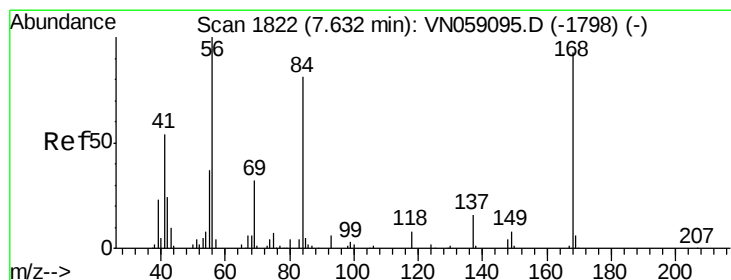
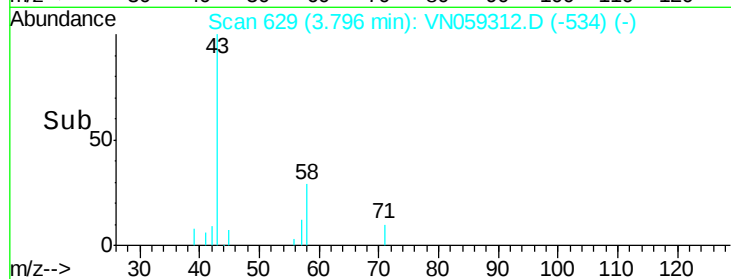
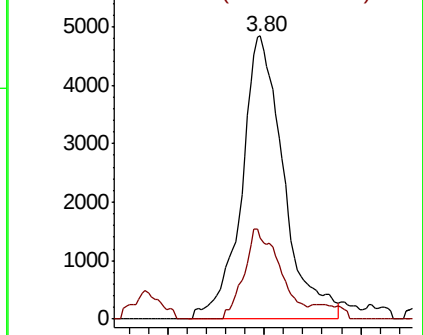
43 100

58 28.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#31

Cyclohexane

Concen: 2.630 ug/l

RT: 7.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059312.D

Acq: 19 Nov 2019 17:58

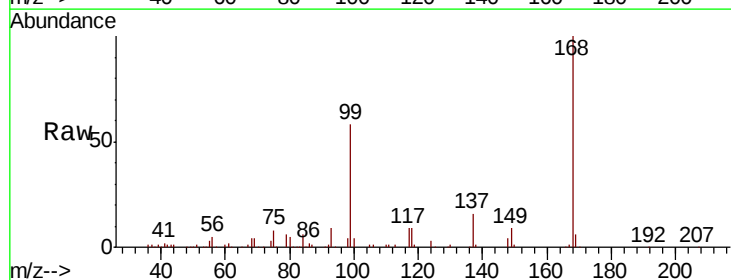
Tgt Ion: 56 Resp: 20705

Ion Ratio Lower Upper

56 100

69 82.1 25.8 38.8#

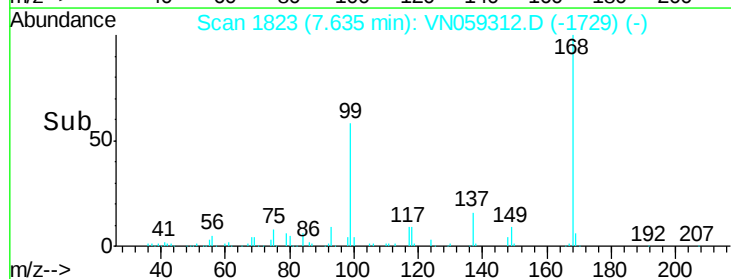
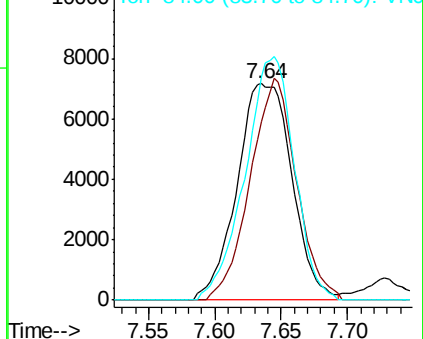
84 103.4 65.0 97.4#

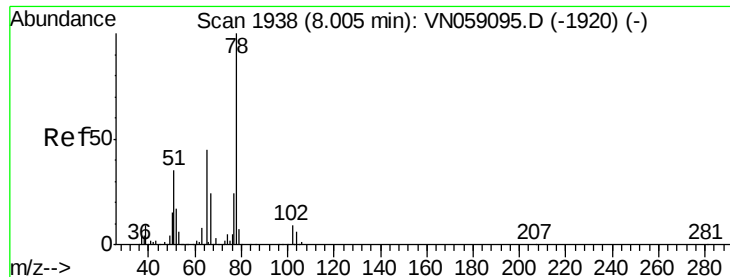


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

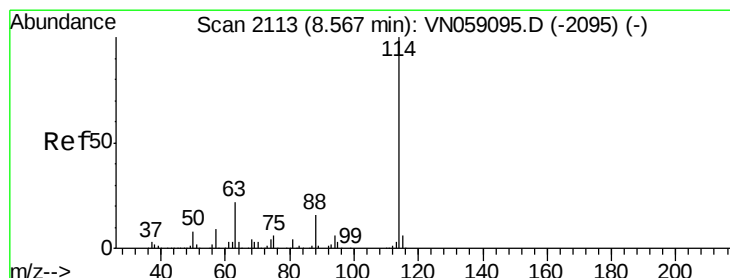
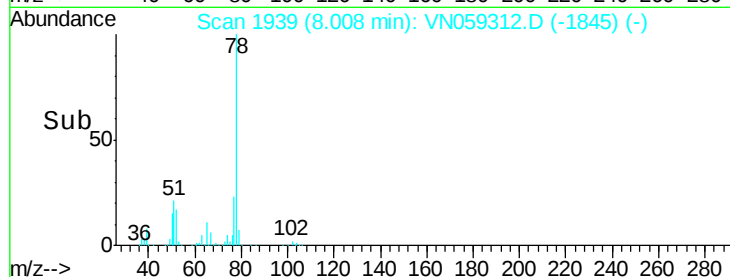
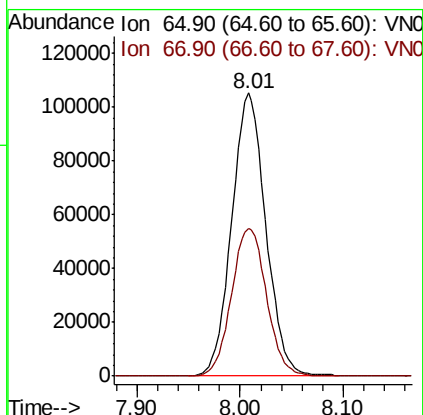
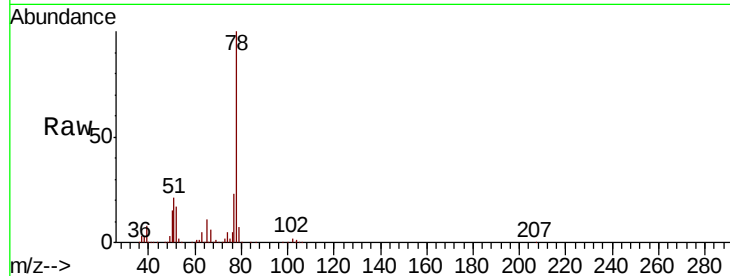




#33
 1,2-Dichloroethane-d4
 Concen: 47.883 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059312.D
 Acq: 19 Nov 2019 17:58

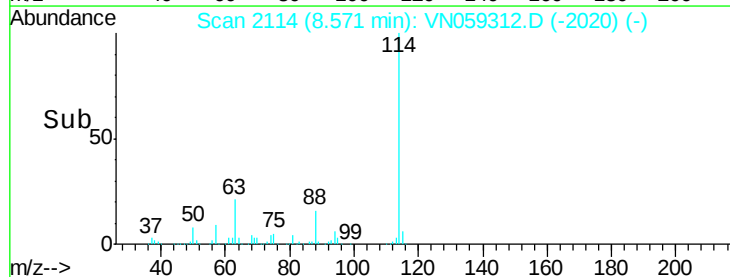
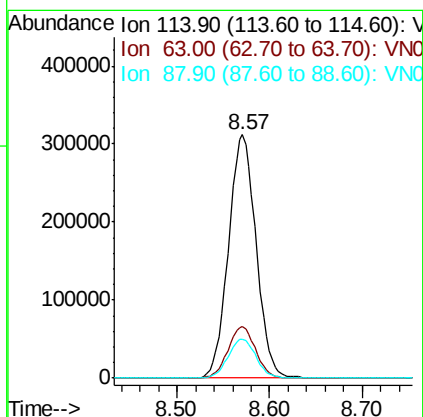
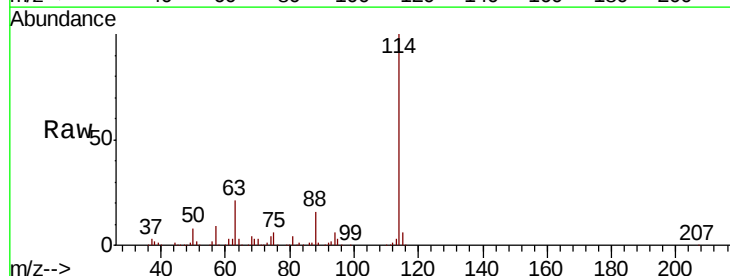
Instrument :
 MSVOA_N
 ClientSampleId :
 30698DL

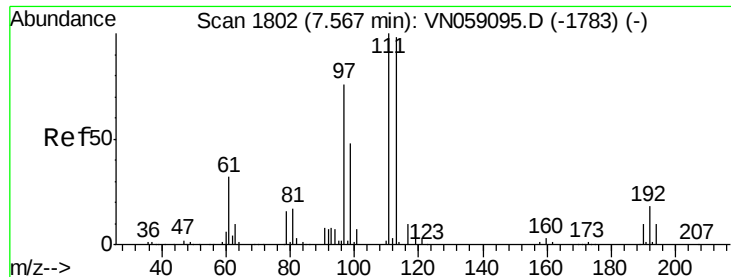
Tot Ion: 65 Resp: 242102
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059312.D
 Acq: 19 Nov 2019 17:58

Tgt Ion: 114 Resp: 644029
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.4
 88 15.9 0.0 32.2

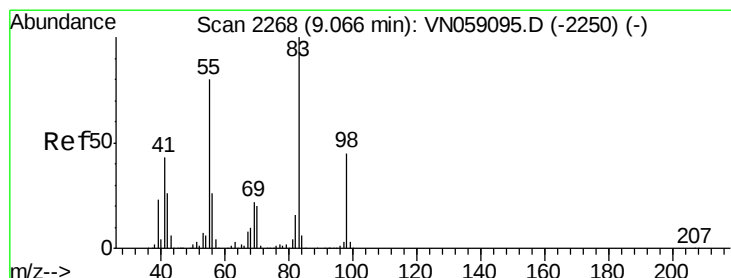
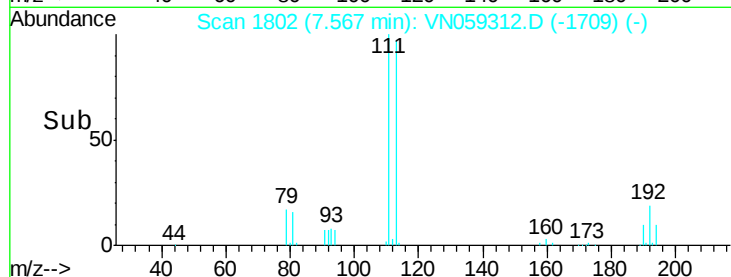
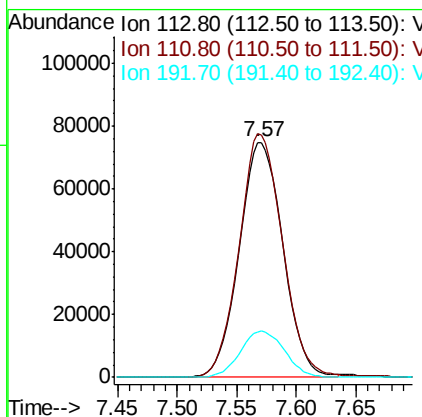
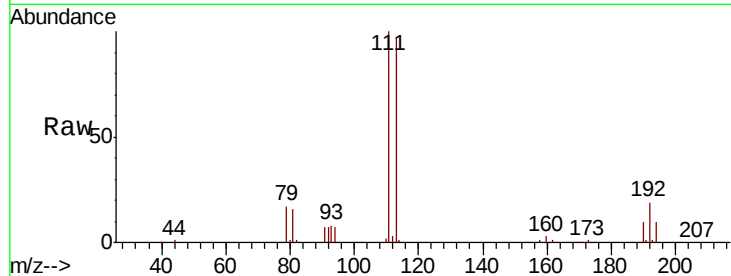




#35
Dibromofluoromethane
Concen: 49.444 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059312.D
Acq: 19 Nov 2019 17:58

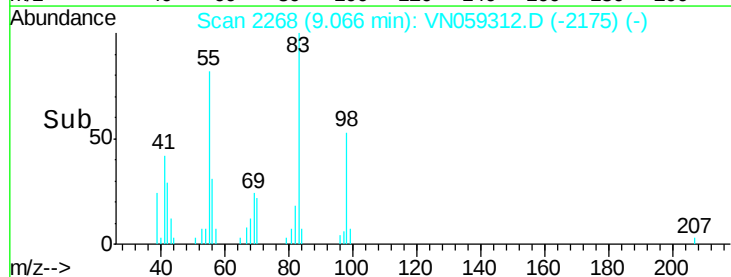
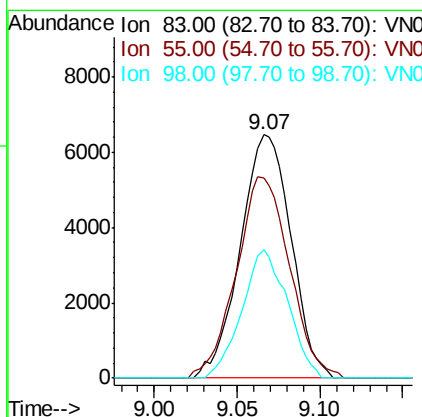
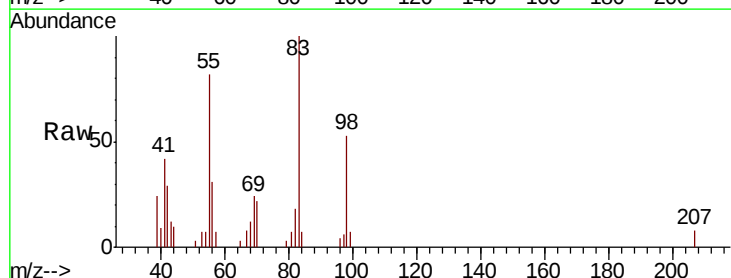
Instrument :
MSVOA_N
ClientSampled :
30698DL

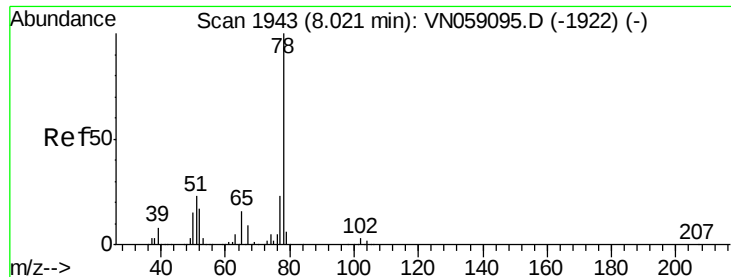
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	20.2	16.1	24.1



#39
Methylcyclohexane
Concen: 1.967 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059312.D
Acq: 19 Nov 2019 17:58

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.1	63.9	95.9
98	52.6	35.6	53.4

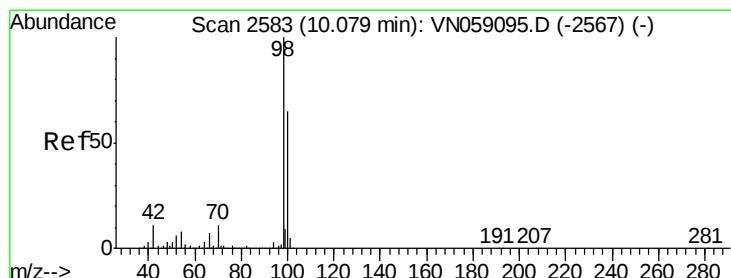
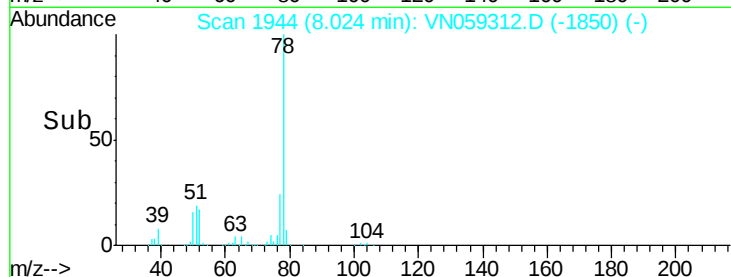
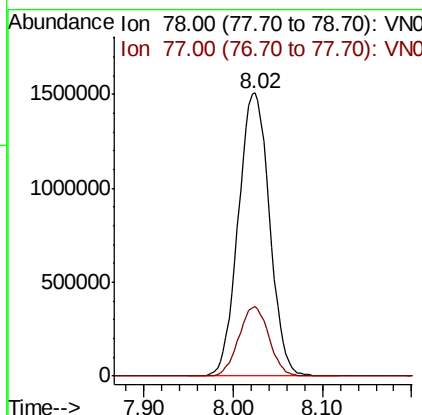
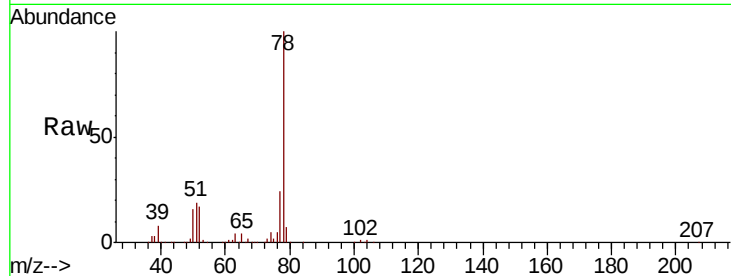




#40
Benzene
Concen: 202.300 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059312.D
Acq: 19 Nov 2019 17:58

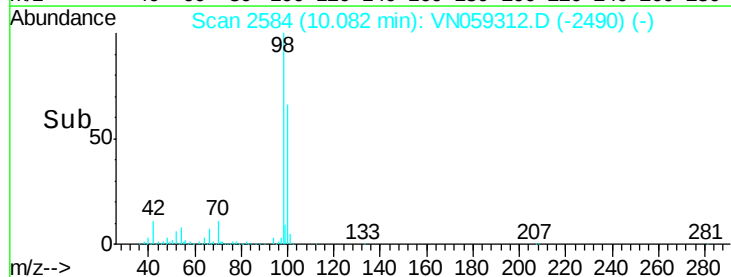
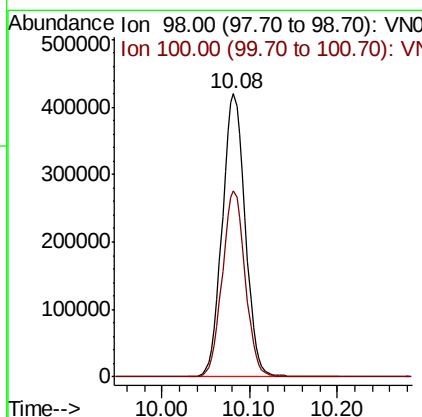
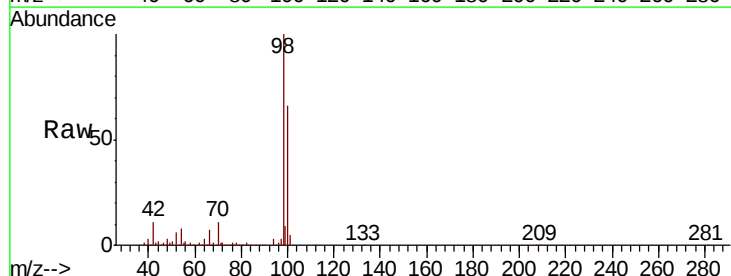
Instrument :
MSVOA_N
ClientSampleId :
30698DL

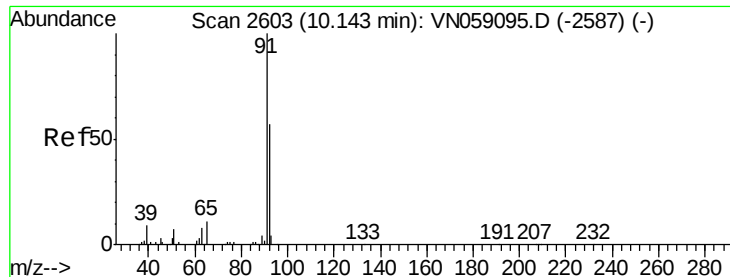
Tot Ion: 78 Resp: 3667249
Ion Ratio Lower Upper
78 100
77 24.5 18.8 28.2



#50
Toluene-d8
Concen: 50.447 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059312.D
Acq: 19 Nov 2019 17:58

Tgt Ion: 98 Resp: 764118
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2





#52

Toluene

Concen: 117.682 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059312.D

Acq: 19 Nov 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

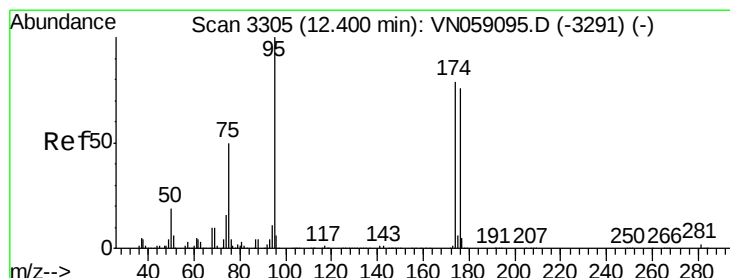
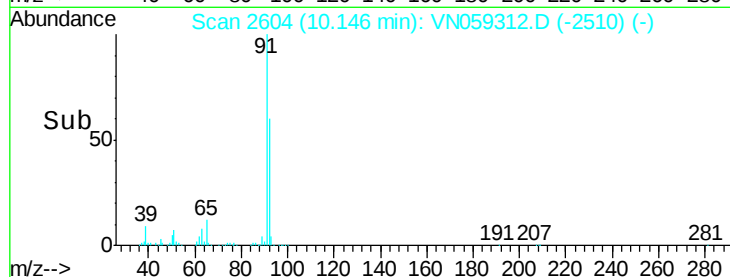
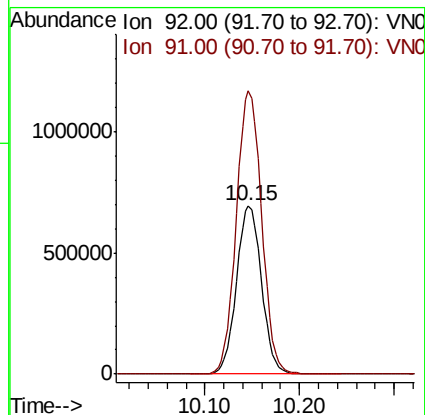
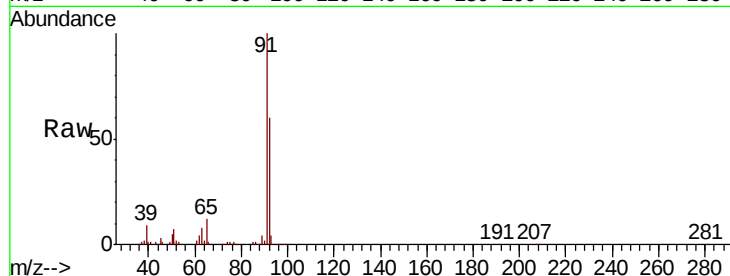
30698DL

Tot Ion: 92 Resp: 1278636

Ion Ratio Lower Upper

92 100

91 170.8 139.5 209.3



#62

4-Bromofluorobenzene

Concen: 45.301 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059312.D

Acq: 19 Nov 2019 17:58

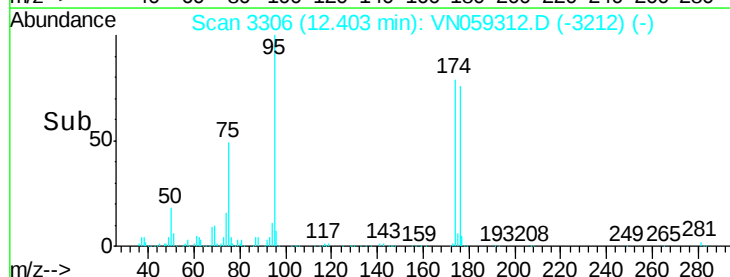
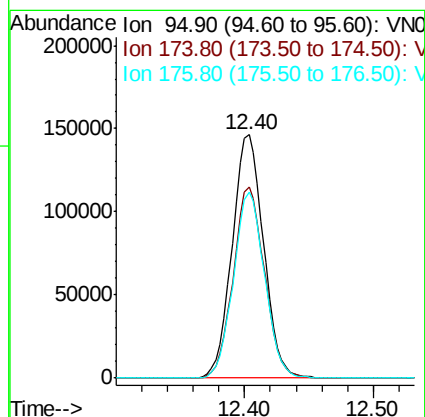
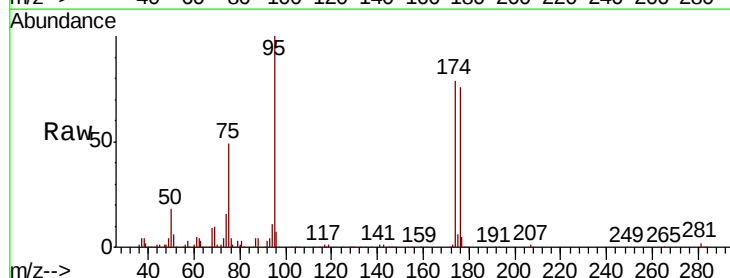
Tgt Ion: 95 Resp: 247411

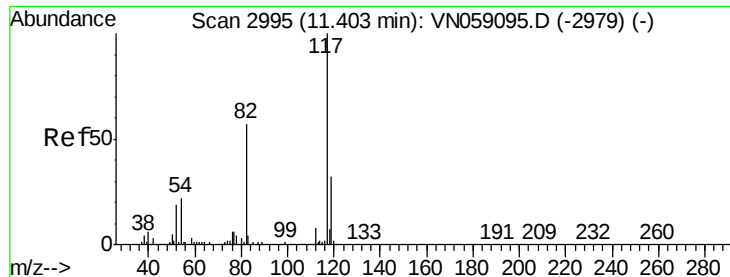
Ion Ratio Lower Upper

95 100

174 78.4 0.0 158.2

176 76.2 0.0 151.8

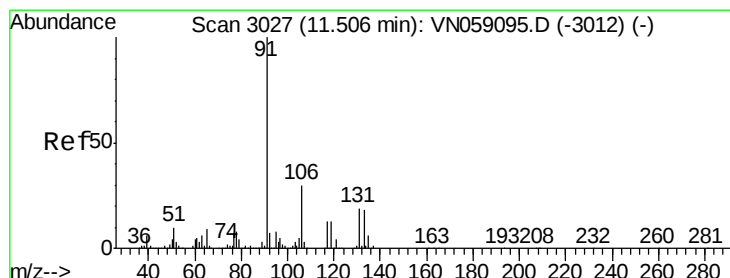
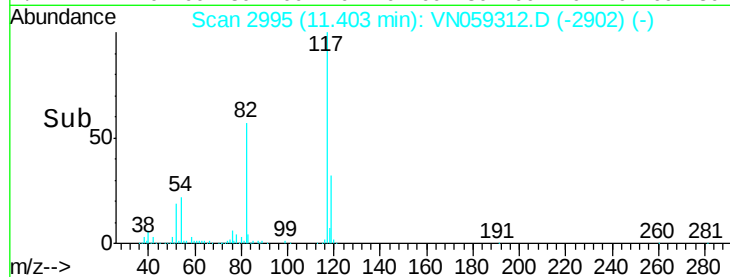
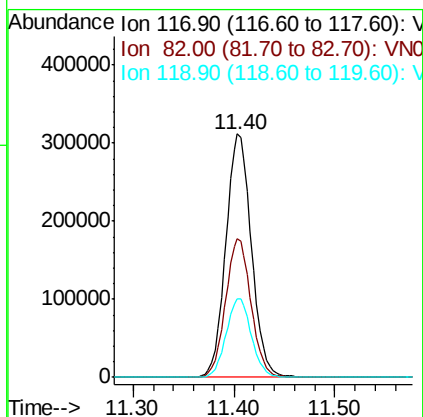
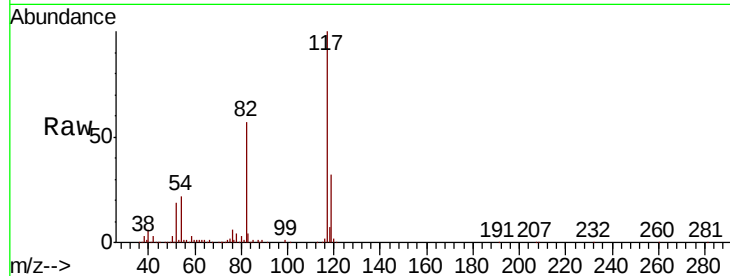




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059312.D
Acq: 19 Nov 2019 17:58

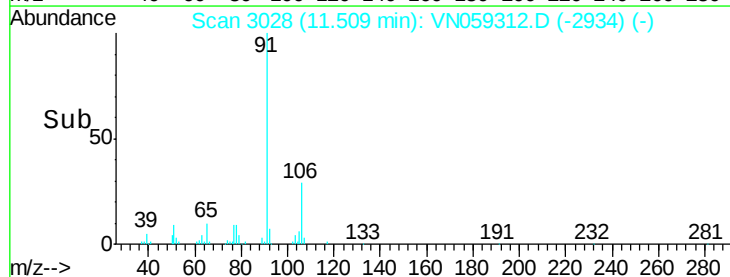
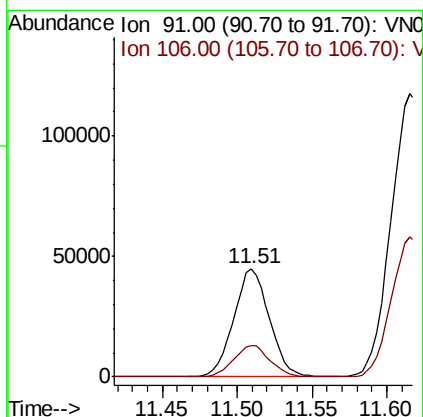
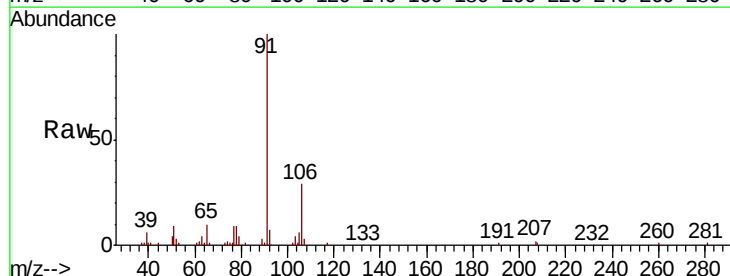
Instrument :
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30698DL

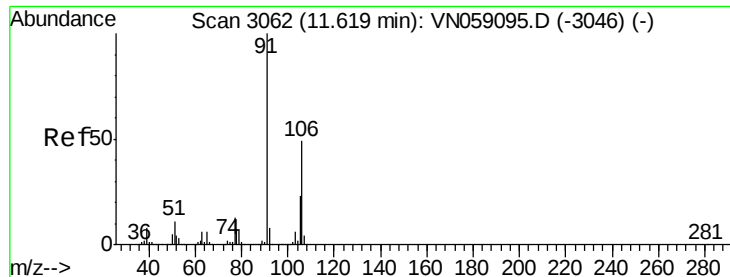
Tot Ion:117 Resp: 551268
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.8
119 32.4 25.8 38.6



#67
Ethyl Benzene
Concen: 3.906 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059312.D
Acq: 19 Nov 2019 17:58

Tgt Ion: 91 Resp: 74474
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1





#68

m/p-Xylenes

Concen: 15.436 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059312.D

Acq: 19 Nov 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

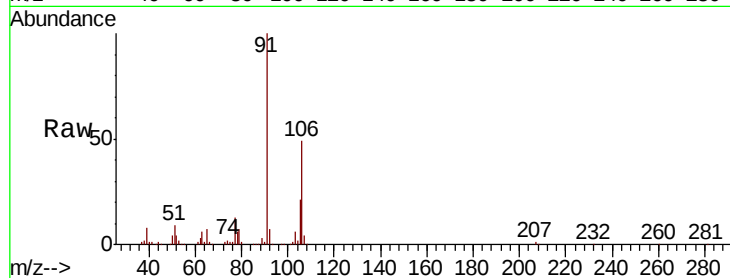
30698DL

Tot Ion:106 Resp: 110242

Ion Ratio Lower Upper

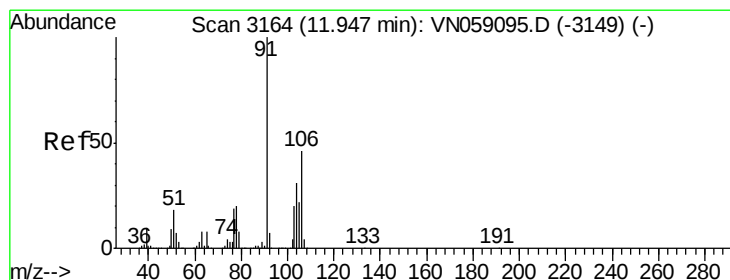
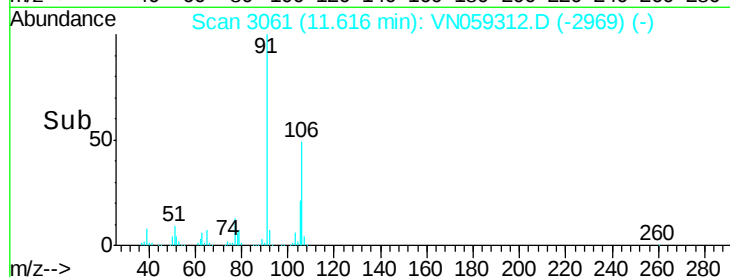
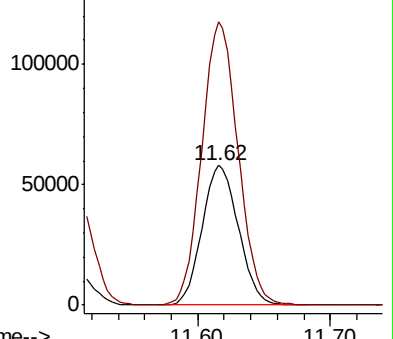
106 100

91 202.8 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 5.087 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059312.D

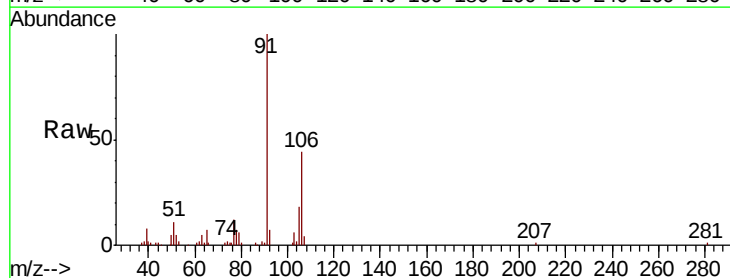
Acq: 19 Nov 2019 17:58

Tgt Ion:106 Resp: 35112

Ion Ratio Lower Upper

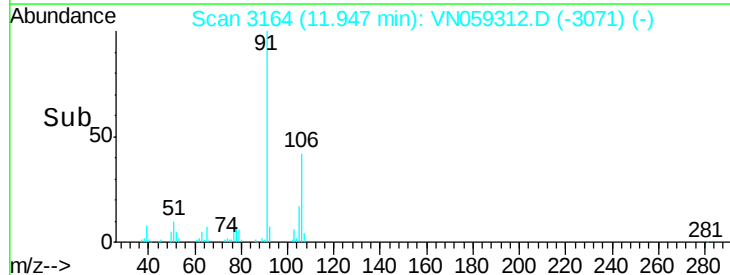
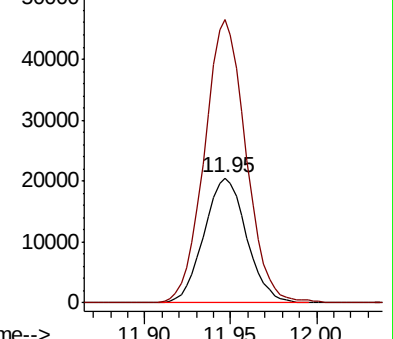
106 100

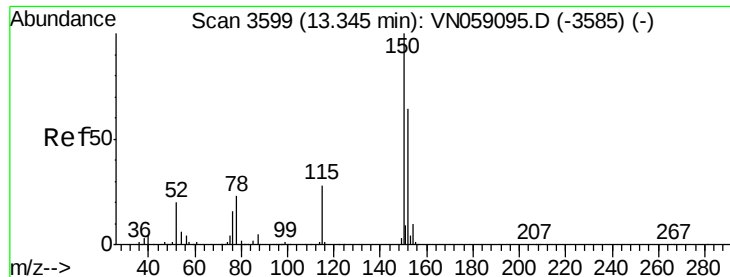
91 221.2 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059312.D

Acq: 19 Nov 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

30698DL

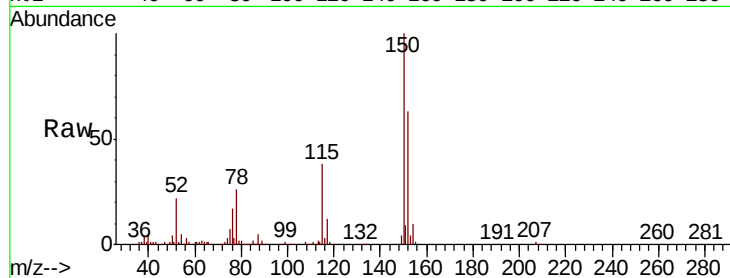
Tot Ion:152 Resp: 209686

Ion Ratio Lower Upper

152 100

115 59.3 29.4 88.2

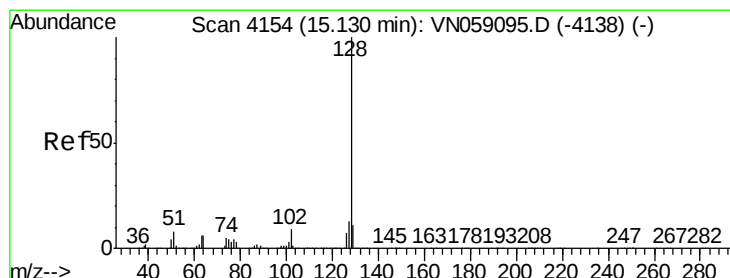
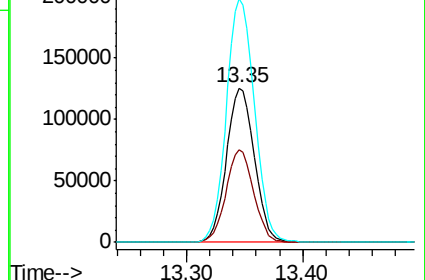
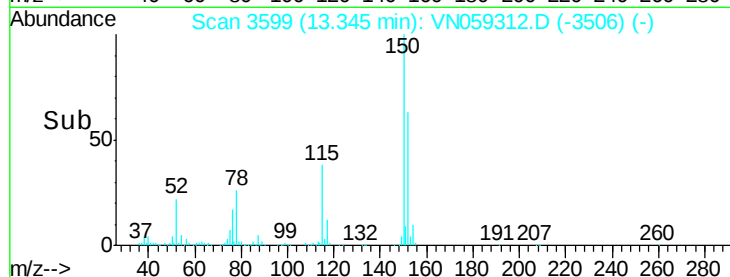
150 159.1 0.0 345.8



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



#95

Naphthalene

Concen: 4.531 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059312.D

Acq: 19 Nov 2019 17:58

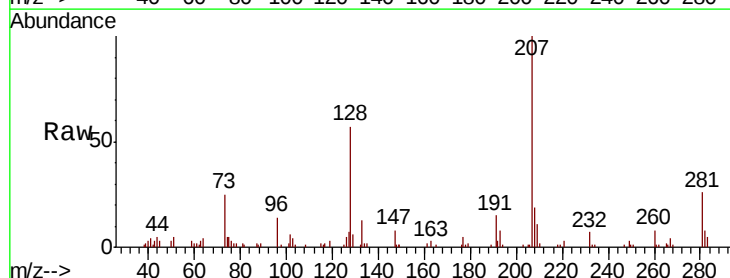
Tgt Ion:128 Resp: 17195

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.5 8.6 12.8



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

