

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\
 Data File : VN059746.D
 Acq On : 16 Jan 2020 20:45
 Operator : JC/MD
 Sample : L1160-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 400115760.2

Quant Time: Jan 17 08:45:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	259603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	114490	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	103025	47.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.62%	
35) Dibromofluoromethane	7.56	113	89249	50.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.40%	
50) Toluene-d8	10.08	98	338374	49.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	118003	48.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.00%	

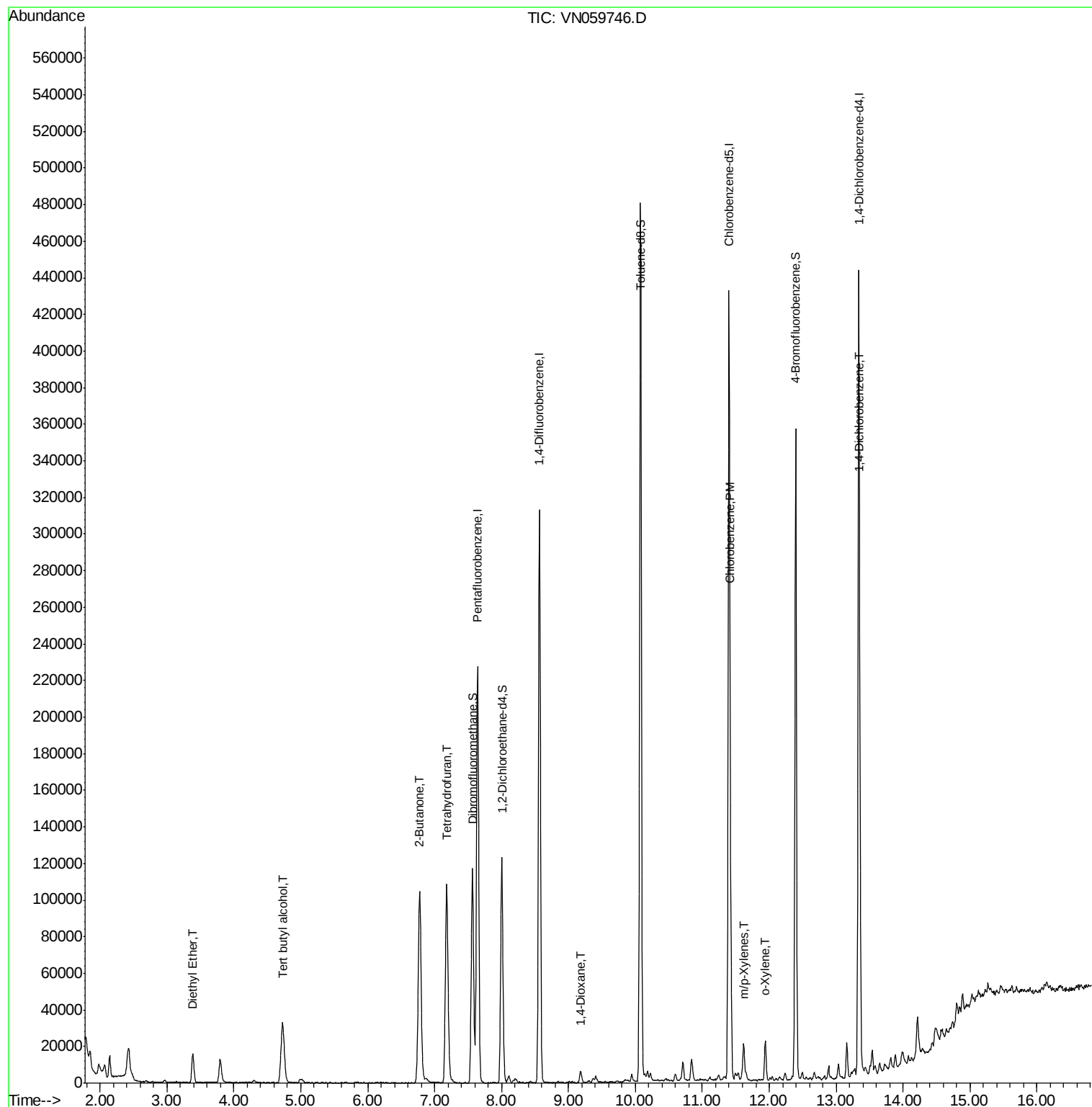
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	8774	8.105	ug/l	79
11) Tert butyl alcohol	4.73	59	65434	178.504	ug/l	99
25) 2-Butanone	6.78	43	6207	5.034	ug/l #	80
29) Tetrahydrofuran	7.18	42	89944	117.891	ug/l #	86
49) 1,4-Dioxane	9.18	88	5288	155.733	ug/l	90
65) Chlorobenzene	11.42	112	36963	7.244	ug/l	99
68) m/p-Xylenes	11.62	106	6340	1.812	ug/l	98
69) o-Xylene	11.94	106	6017	1.757	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	28192	7.651	ug/l	95

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

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Sample : L1160-01
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ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jan 17 08:45:05 2020
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Quant Title : SW846 8260
QLast Update : Tue Jan 14 08:58:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059746.D

Acq: 16 Jan 2020 20:45

Instrument :

MSVOA_N

ClientSampleId :

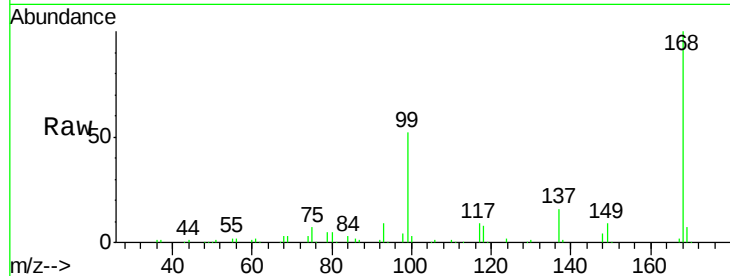
400115760.2

Tot Ion:168 Resp: 196077

Ion Ratio Lower Upper

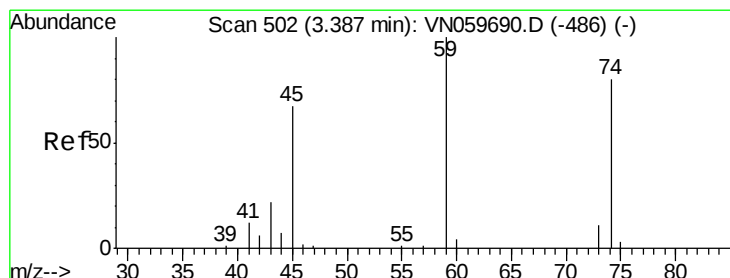
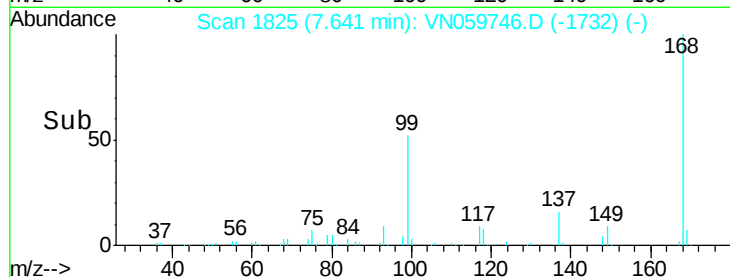
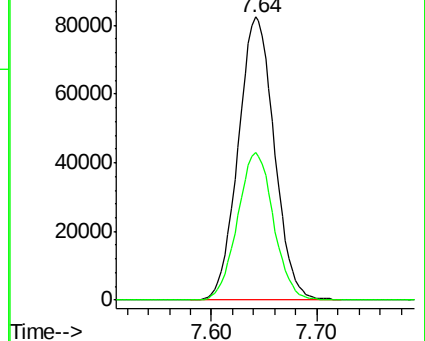
168 100

99 52.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 8.105 ug/l

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN059746.D

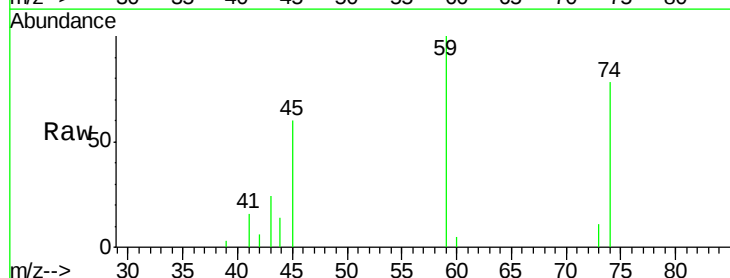
Acq: 16 Jan 2020 20:45

Tgt Ion: 74 Resp: 8774

Ion Ratio Lower Upper

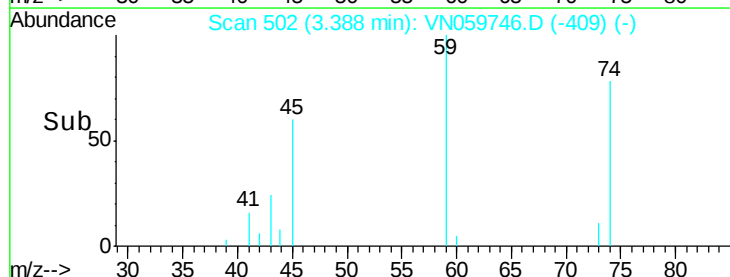
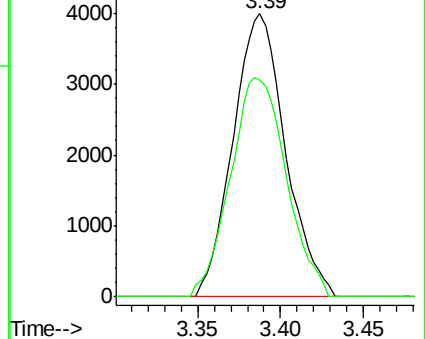
74 100

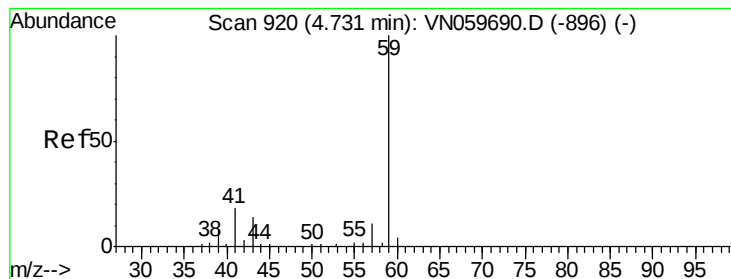
45 82.7 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO



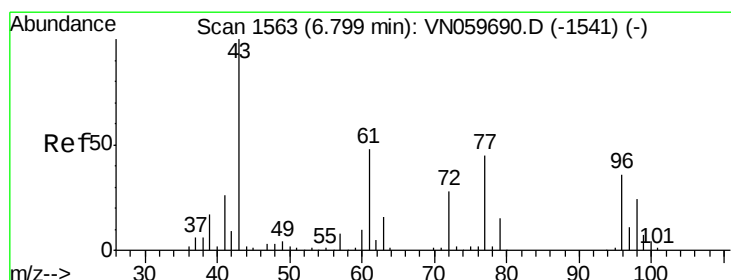
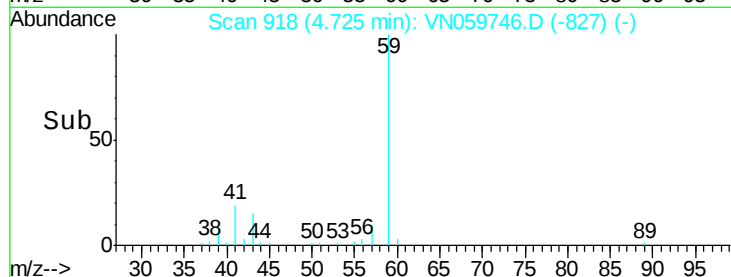
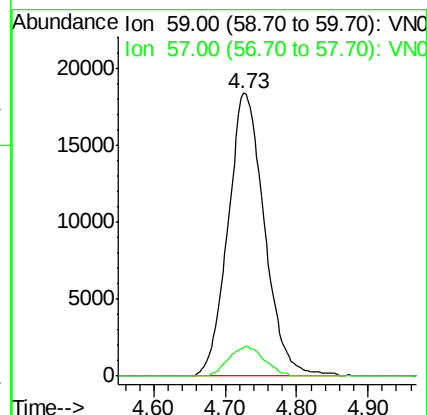
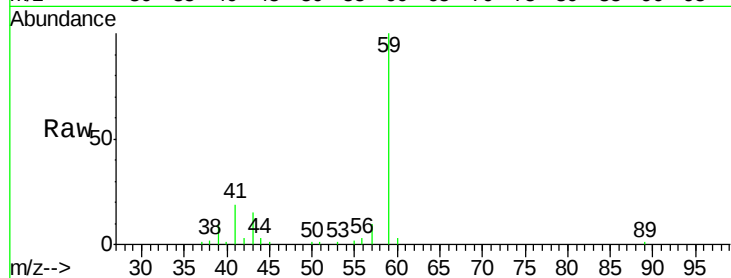


#11

Tert butyl alcohol
 Concen: 178.504 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059746.D
 Acq: 16 Jan 2020 20:45

Instrument :
 MSVOA_N
 ClientSampled :
 400115760.2

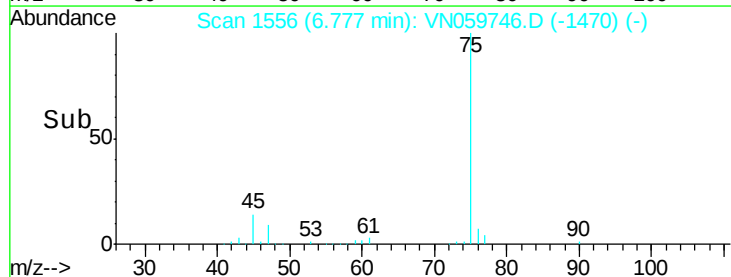
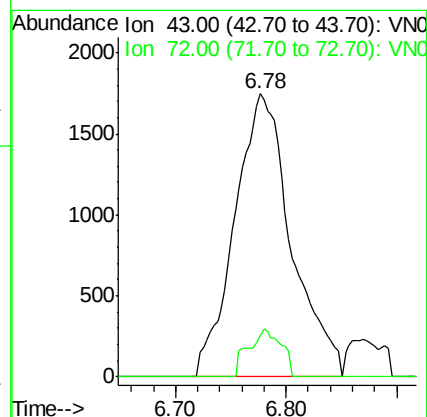
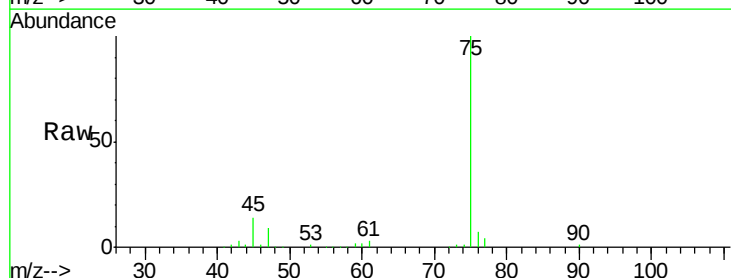
Tot Ion: 59 Resp: 65434
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.6 12.8

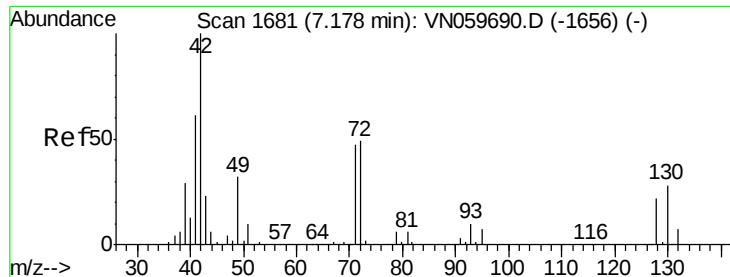


#25

2-Butanone
 Concen: 5.034 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: VN059746.D
 Acq: 16 Jan 2020 20:45

Tgt Ion: 43 Resp: 6207
 Ion Ratio Lower Upper
 43 100
 72 14.9 19.9 29.9#

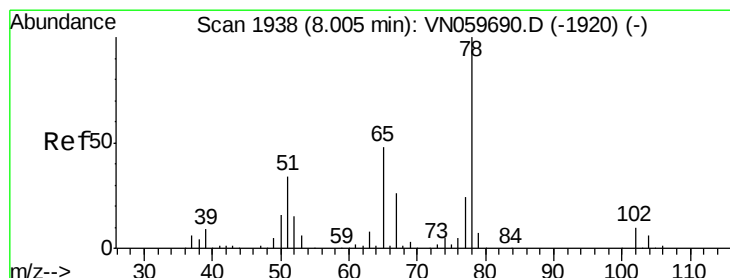
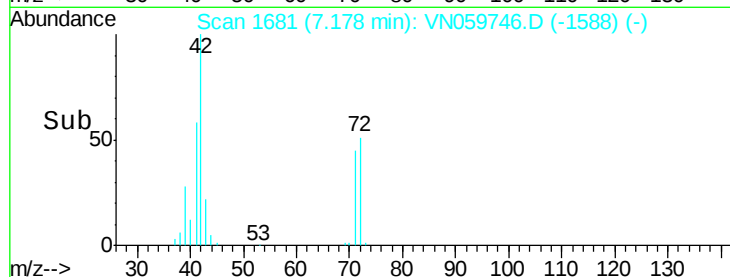
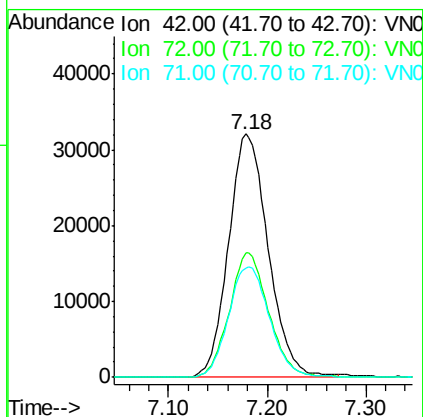
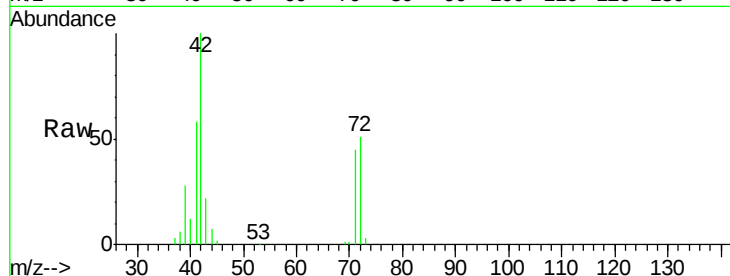




#29
Tetrahydrofuran
Concen: 117.891 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059746.D
Acq: 16 Jan 2020 20:45

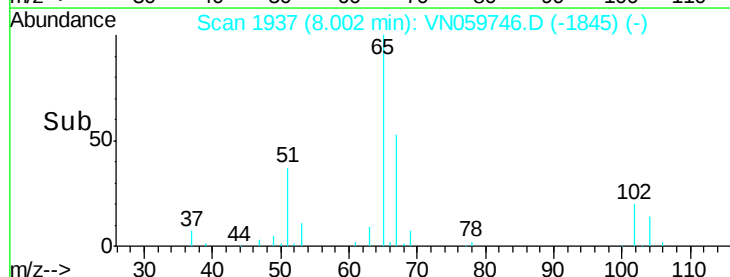
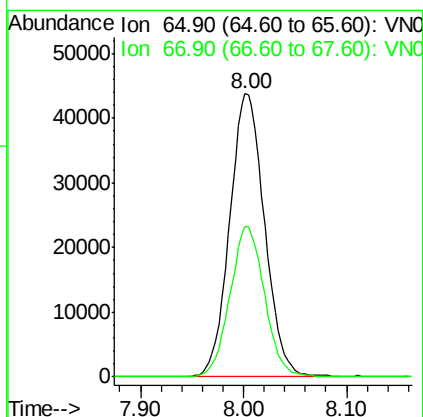
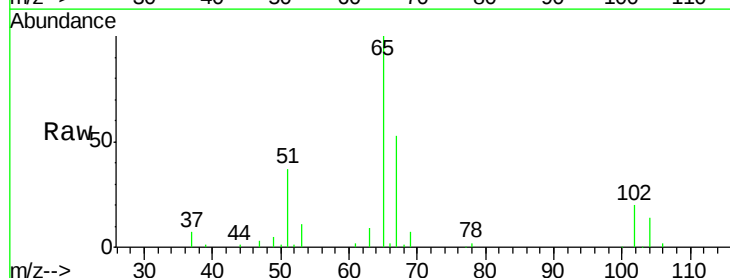
Instrument :
MSVOA_N
ClientSampled :
400115760.2

Tot Ion: 42 Resp: 89944
Ion Ratio Lower Upper
42 100
72 50.5 33.1 49.7#
71 47.0 31.4 47.0



#33
1,2-Dichloroethane-d4
Concen: 47.314 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN059746.D
Acq: 16 Jan 2020 20:45

Tgt Ion: 65 Resp: 103025
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0

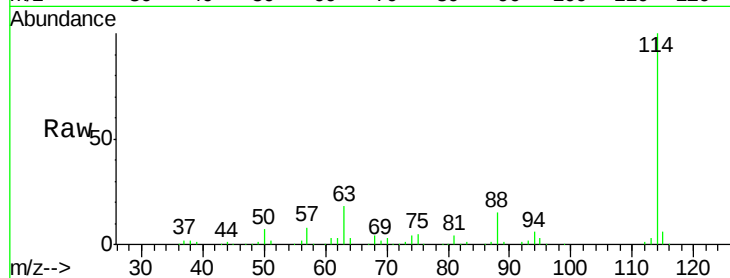




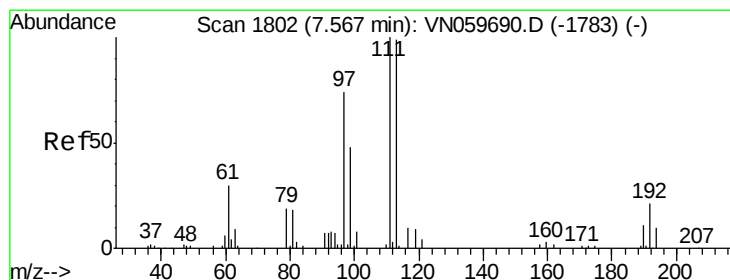
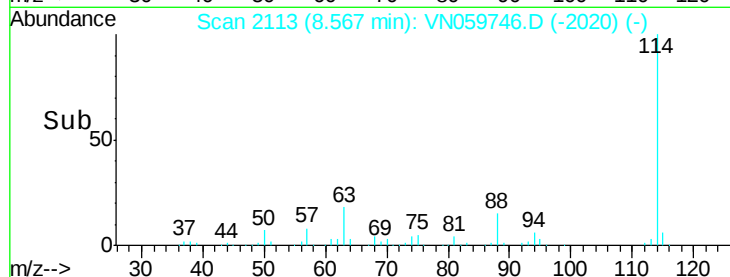
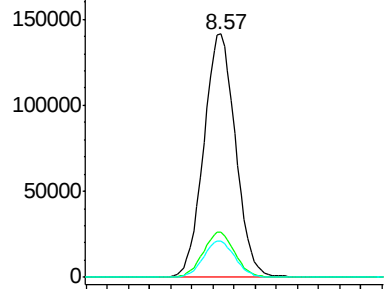
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059746.D
 Acq: 16 Jan 2020 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 400115760.2

Tot Ion:114 Resp: 295171
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.6
 88 14.8 0.0 31.4

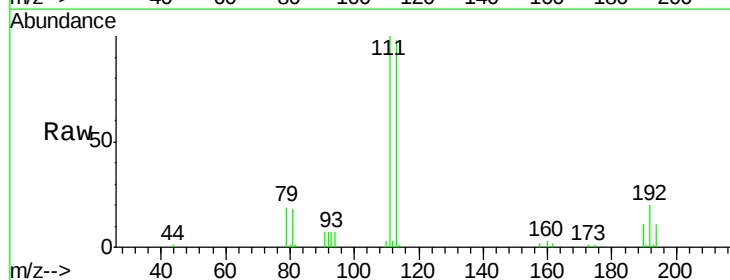


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

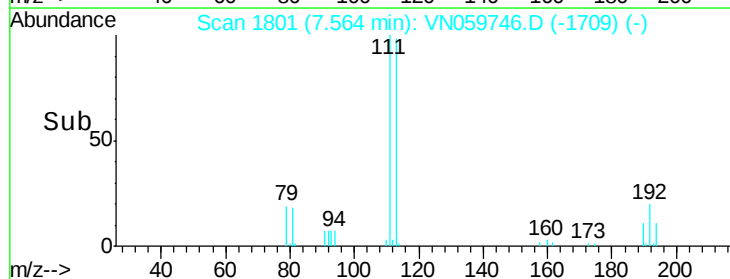
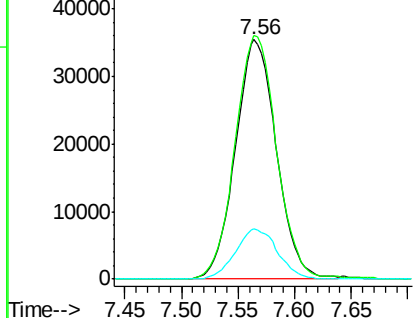


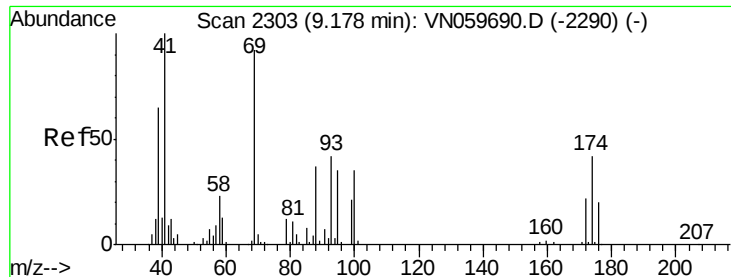
#35
 Dibromofluoromethane
 Concen: 50.703 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059746.D
 Acq: 16 Jan 2020 20:45

Tgt Ion:113 Resp: 89249
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.5 125.3
 192 21.4 15.4 23.2



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





#49

1,4-Dioxane

Concen: 155.733 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN059746.D

Acq: 16 Jan 2020 20:45

Instrument :

MSVOA_N

ClientSampled :

400115760.2

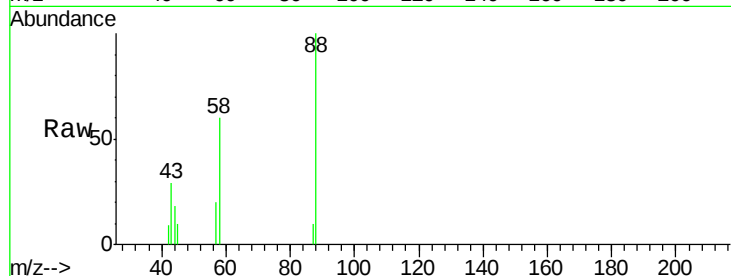
Tot Ion: 88 Resp: 5288

Ion Ratio Lower Upper

88 100

43 40.9 29.7 44.5

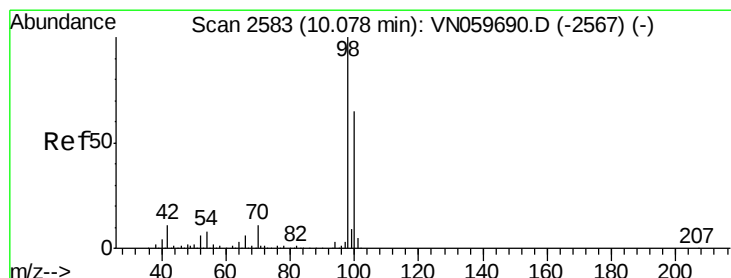
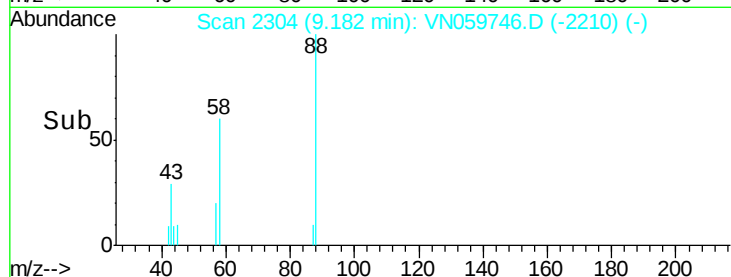
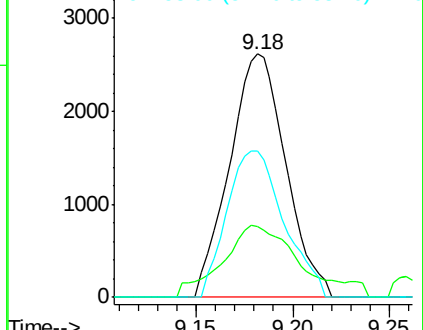
58 61.2 56.6 85.0



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.615 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059746.D

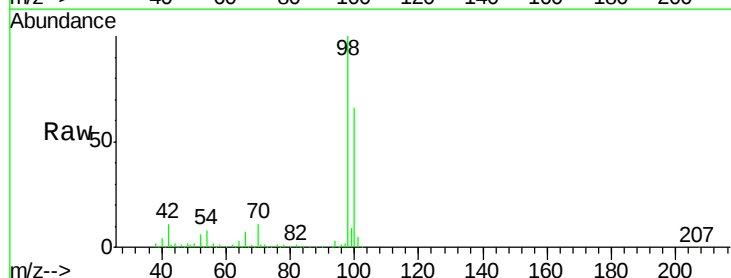
Acq: 16 Jan 2020 20:45

Tgt Ion: 98 Resp: 338374

Ion Ratio Lower Upper

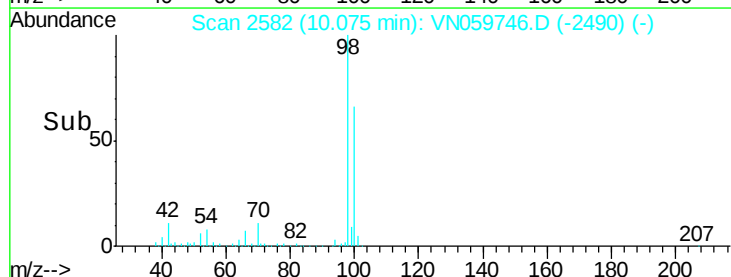
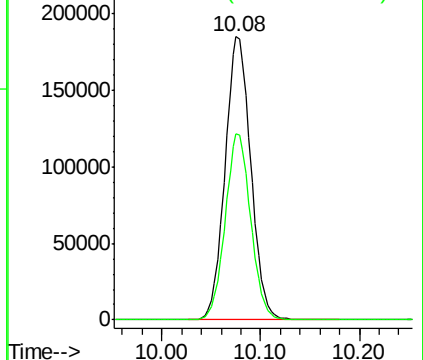
98 100

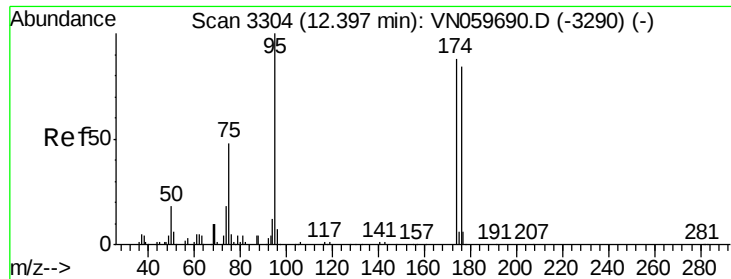
100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

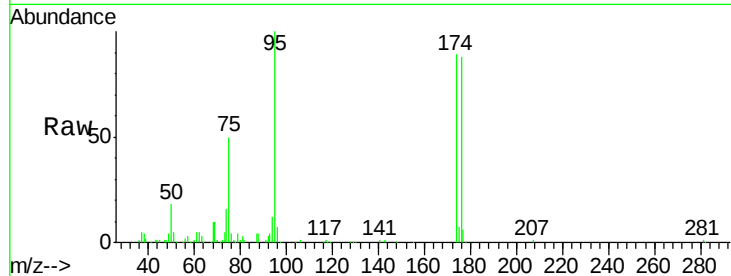




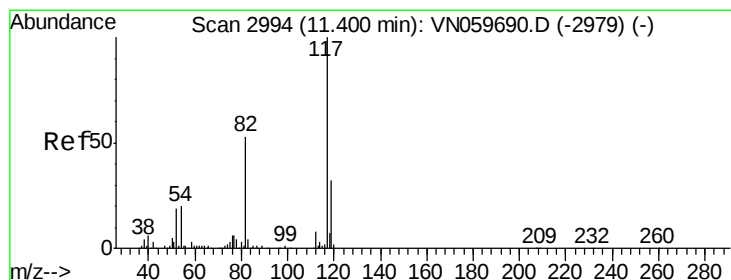
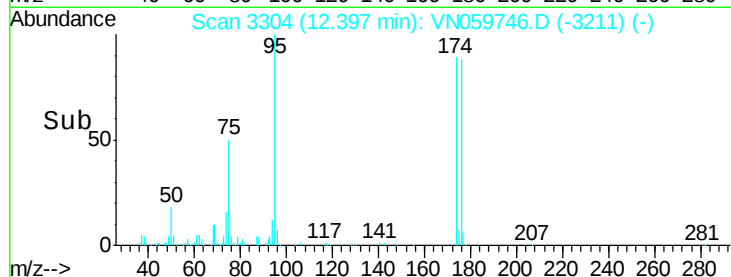
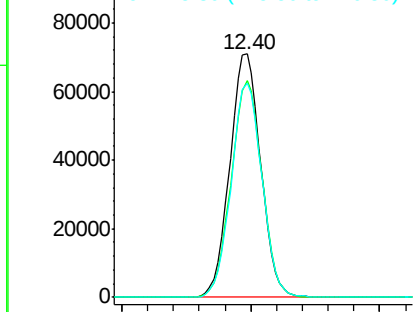
#62
4-Bromofluorobenzene
Concen: 47.996 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059746.D
Acq: 16 Jan 2020 20:45

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400115760.2

Tot Ion: 95 Resp: 118003
Ion Ratio Lower Upper
95 100
174 88.8 0.0 151.4
176 87.5 0.0 146.0

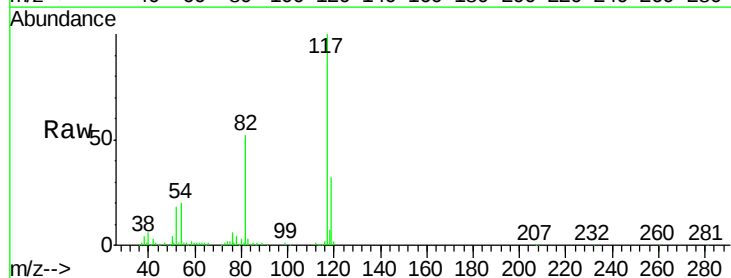


Abundance Ion 94.90 (94.60 to 95.60): VN059690.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN059690.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN059690.D (-3290) (-)

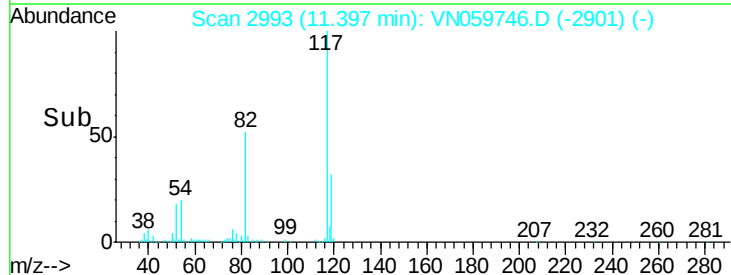
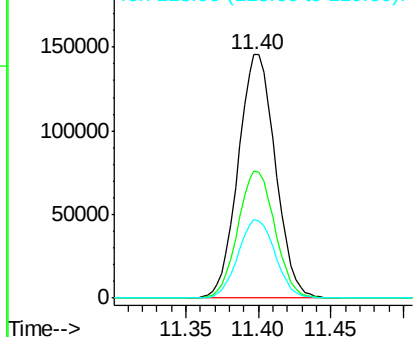


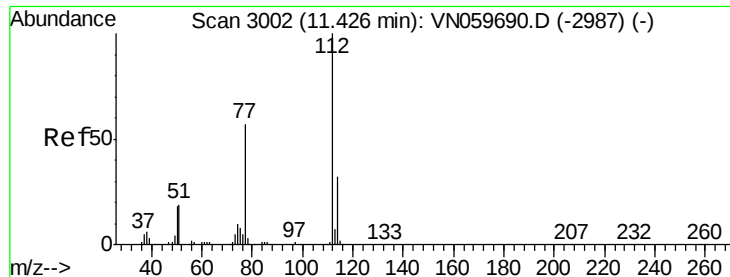
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN059746.D
Acq: 16 Jan 2020 20:45

Tgt Ion: 117 Resp: 259603
Ion Ratio Lower Upper
117 100
82 52.2 45.9 68.9
119 32.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059690.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN059690.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN059690.D (-2979) (-)

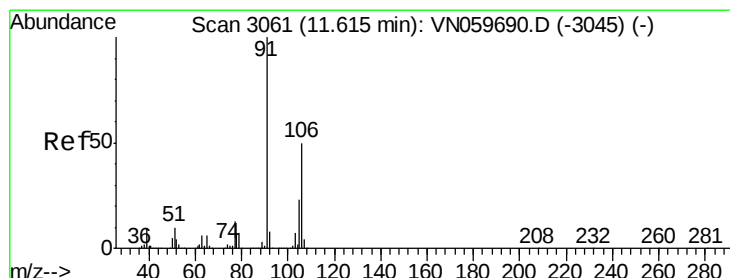
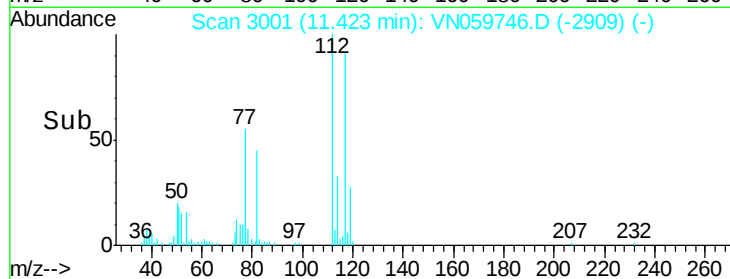
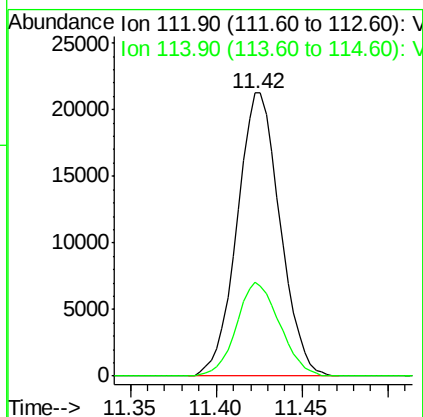
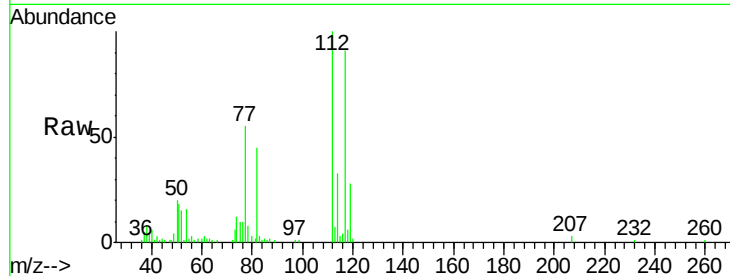




#65
Chlorobenzene
Concen: 7.244 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN059746.D
Acq: 16 Jan 2020 20:45

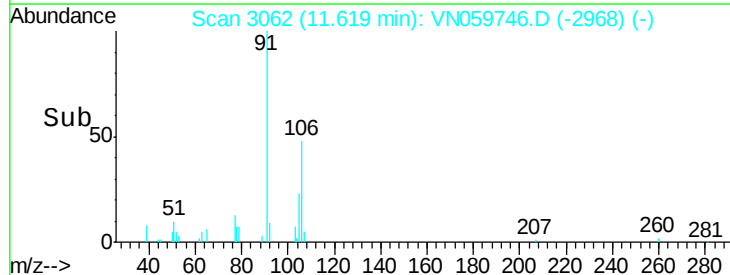
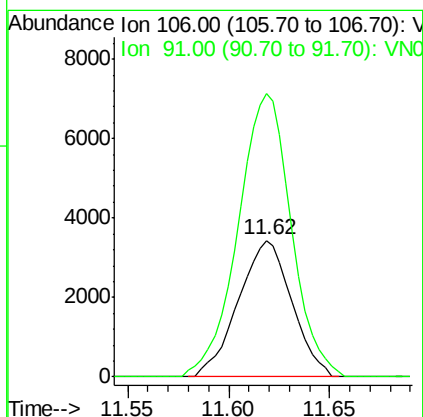
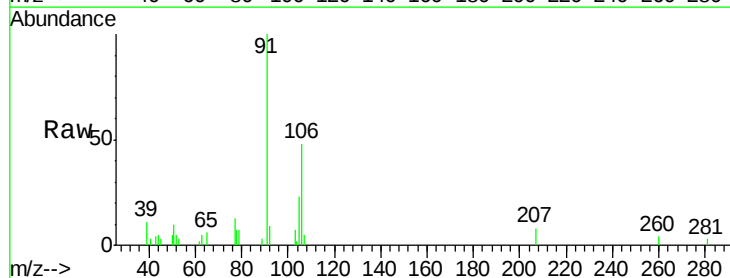
Instrument :
MSVOA_N
ClientSampleId :
400115760.2

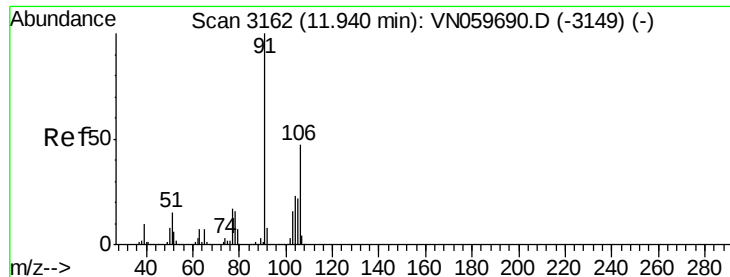
Tot Ion:112 Resp: 36963
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#68
m/p-Xylenes
Concen: 1.812 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059746.D
Acq: 16 Jan 2020 20:45

Tgt Ion:106 Resp: 6340
Ion Ratio Lower Upper
106 100
91 207.0 167.9 251.9





#69

o-Xylene

Concen: 1.757 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN059746.D

Acq: 16 Jan 2020 20:45

Instrument :

MSVOA_N

ClientSampleId :

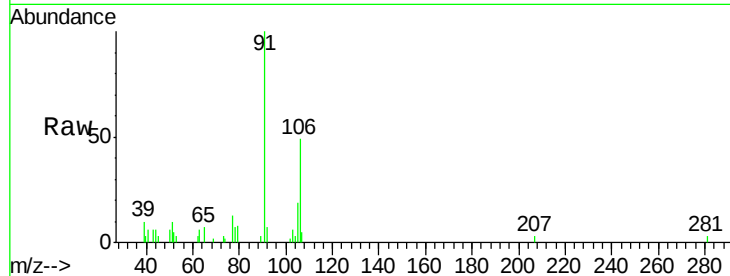
400115760.2

Tot Ion:106 Resp: 6017

Ion Ratio Lower Upper

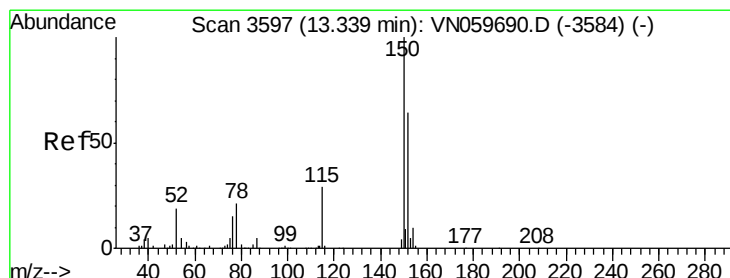
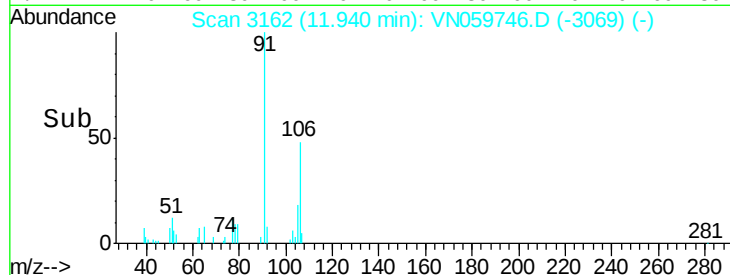
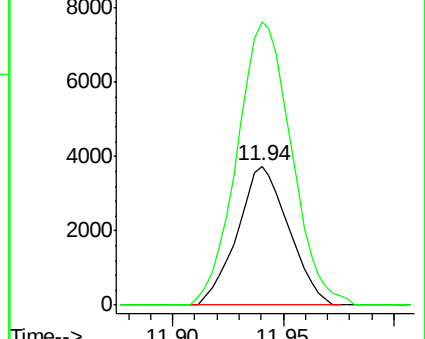
106 100

91 217.2 110.3 330.9



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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059746.D

Acq: 16 Jan 2020 20:45

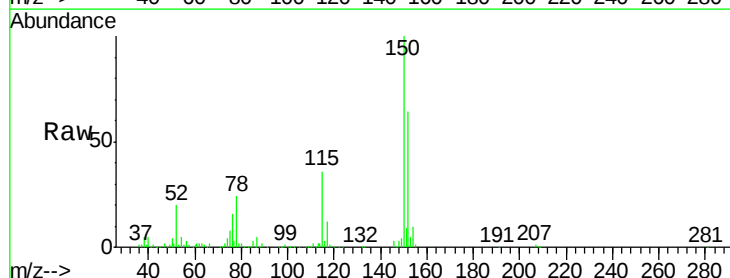
Tgt Ion:152 Resp: 114490

Ion Ratio Lower Upper

152 100

115 57.4 30.3 90.9

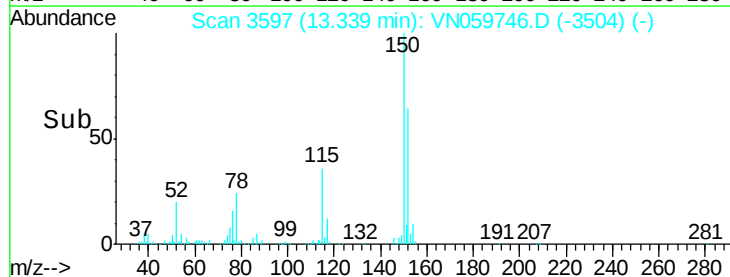
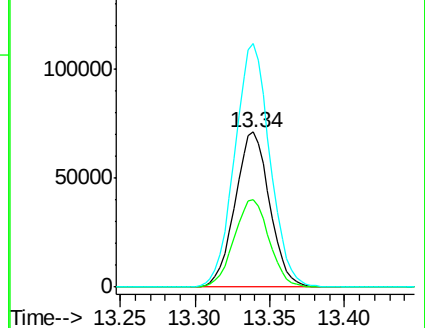
150 160.2 0.0 345.2

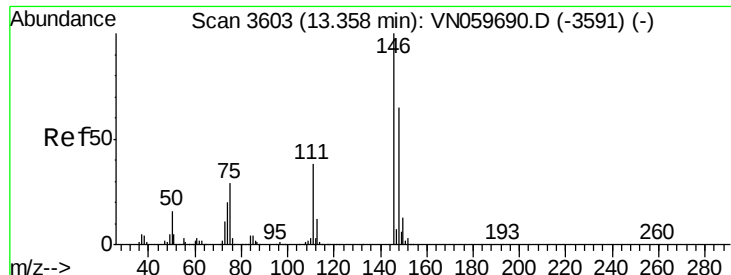


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#88

1,4-Dichlorobenzene

Concen: 7.651 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059746.D

Acq: 16 Jan 2020 20:45

Instrument :

MSVOA_N

ClientSampleId :

400115760.2

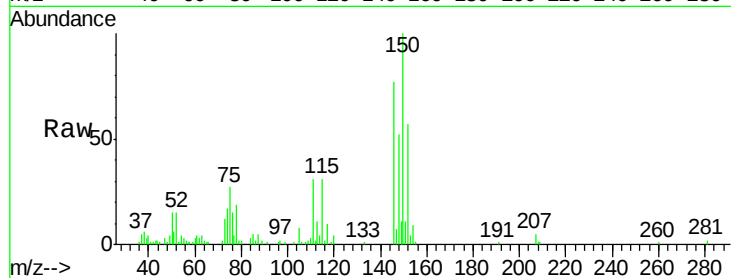
Tot Ion:146 Resp: 28192

Ion Ratio Lower Upper

146 100

111 43.3 20.8 62.2

148 68.3 31.8 95.4



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

