

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100618\
 Data File : VN051697.D
 Acq On : 5 Oct 2018 19:57
 Operator : MD\SY
 Sample : J5084-06
 Misc : 5.91g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 B-10(7-7.5)

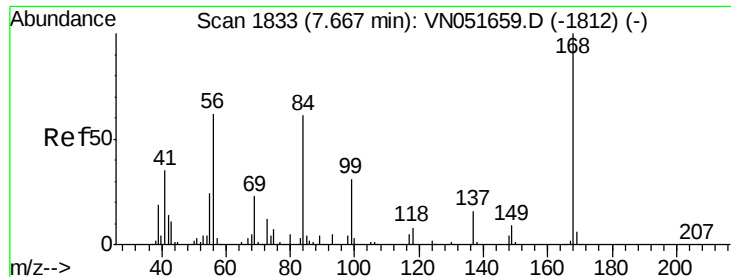
Quant Time: Oct 09 07:59:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	603268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	868924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	774400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	375942	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	364622	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
35) Dibromofluoromethane	7.59	113	332192	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.09	98	1237509	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	380439	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	8786	0.771	ug/l	92
40) Benzene	8.04	78	28373	1.054	ug/l	98
52) Toluene	10.16	92	363962	20.324	ug/l	99
67) Ethyl Benzene	11.51	91	158923	4.794	ug/l	98
68) m/p-Xylenes	11.62	106	239859	18.083	ug/l	100
69) o-Xylene	11.95	106	112622	8.658	ug/l	98
73) Isopropylbenzene	12.25	105	21917	0.684	ug/l	94
78) n-propylbenzene	12.59	91	77137	2.207	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	111813	4.140	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	396893	14.672	ug/l	99
86) p-Isopropyltoluene	13.29	119	8278	0.292	ug/l	97
89) n-Butylbenzene	13.61	91	22070	0.984	ug/l #	75
95) Naphthalene	15.13	128	35813	2.746	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051697.D

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Instrument :

MSVOA_N

ClientSampleId :

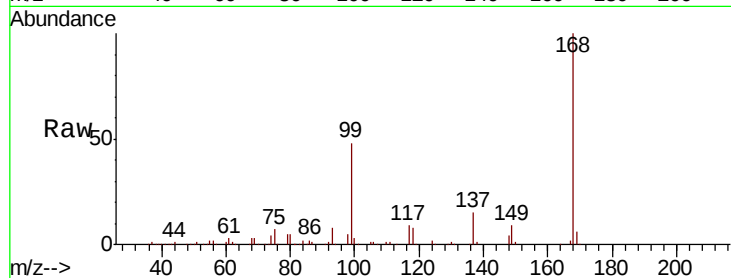
B-10(7-7.5)

Tgt Ion:168 Resp: 603268

Ion Ratio Lower Upper

168 100

99 47.7 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): VN051697.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051697.D (-1740) (-)

7.67

250000

200000

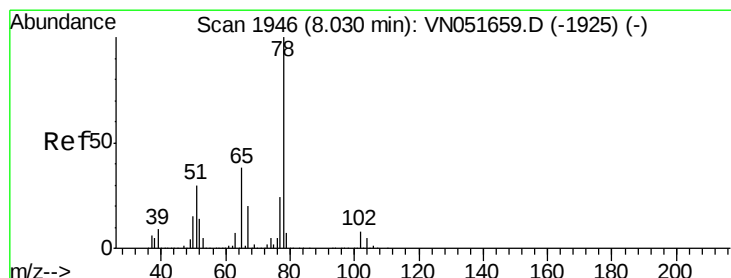
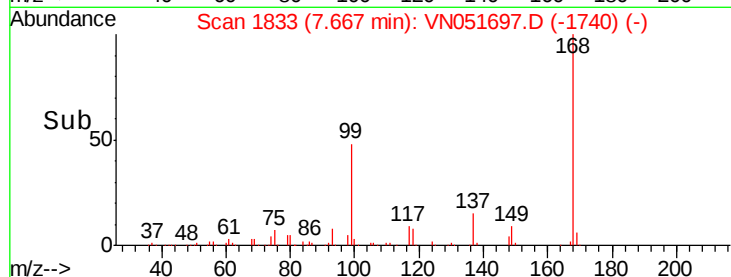
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051697.D

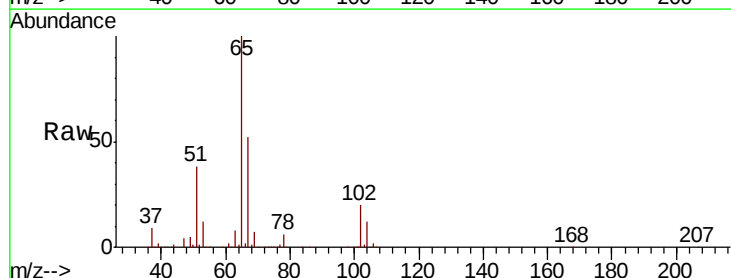
Acq: 5 Oct 2018 19:57

Tgt Ion: 65 Resp: 364622

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN051697.D (-1853) (-)

Ion 66.90 (66.60 to 67.60): VN051697.D (-1853) (-)

8.03

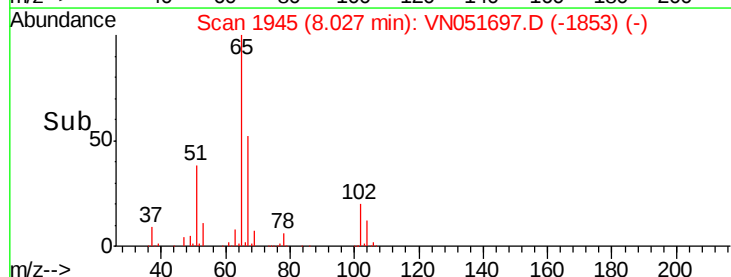
150000

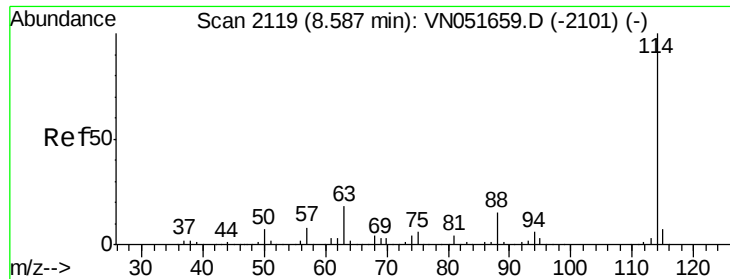
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50000

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Time-->

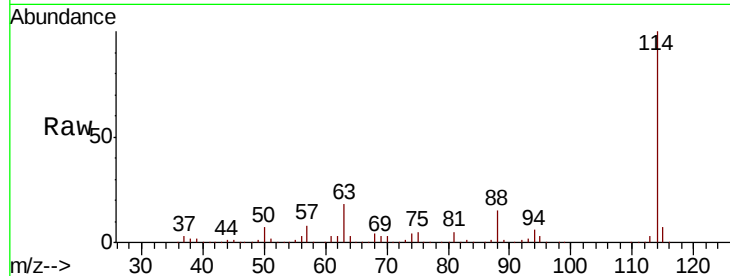




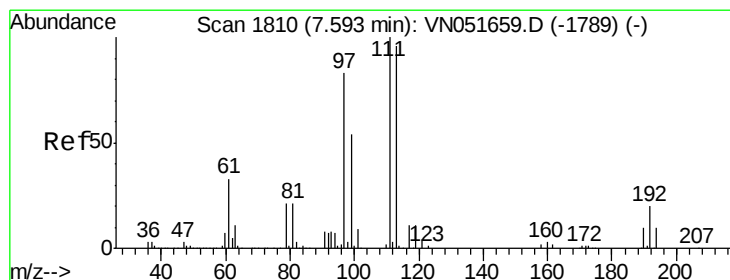
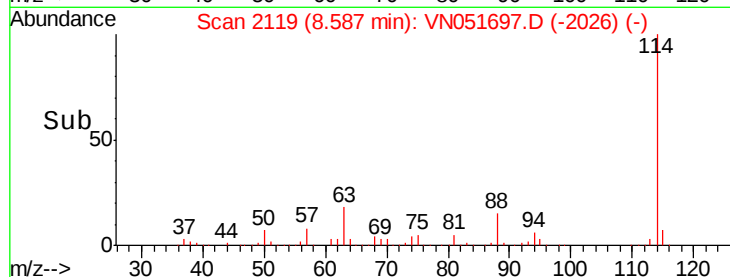
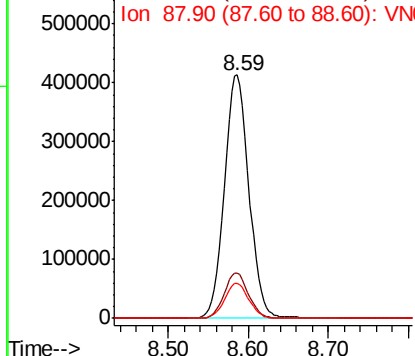
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051697.D
 Acq: 5 Oct 2018 19:57

Instrument :
 MSVOA_N
 ClientSampled :
 B-10(7-7.5)

Tgt Ion:114 Resp: 868924
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 14.5 0.0 30.2

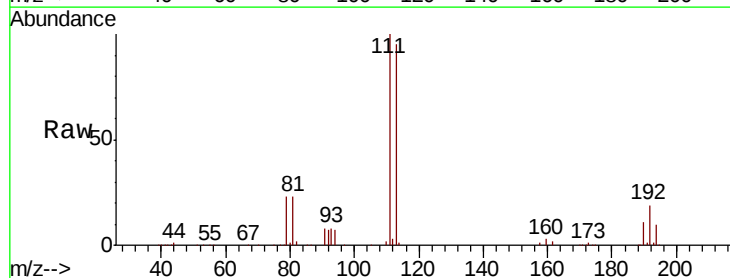


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

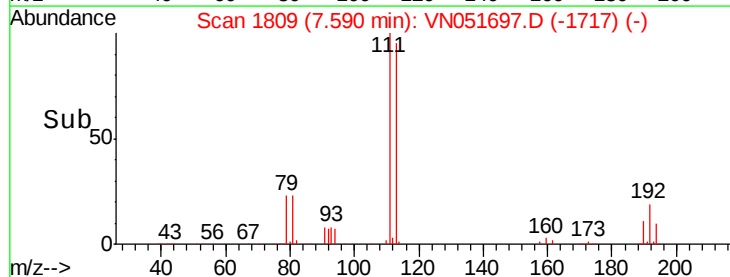
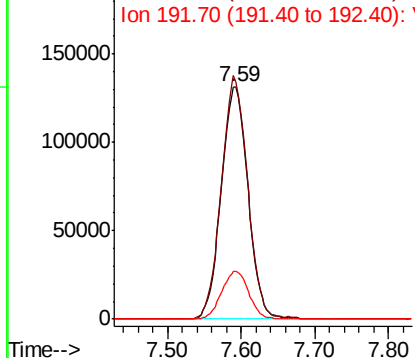


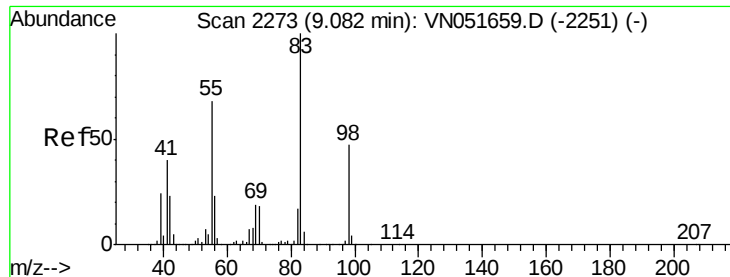
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051697.D
 Acq: 5 Oct 2018 19:57

Tgt Ion:113 Resp: 332192
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.8
 192 20.6 16.5 24.7



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

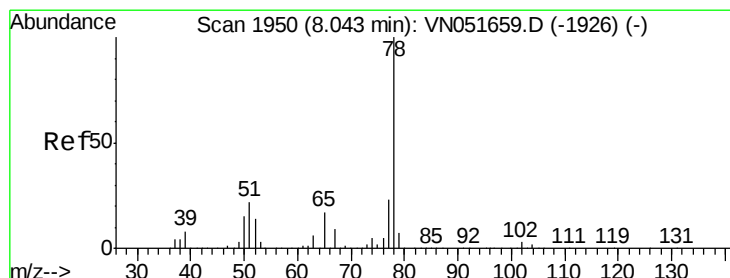
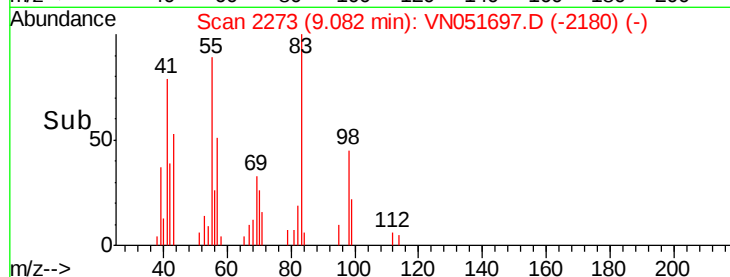
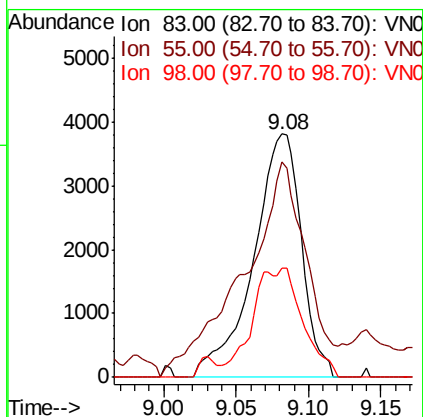
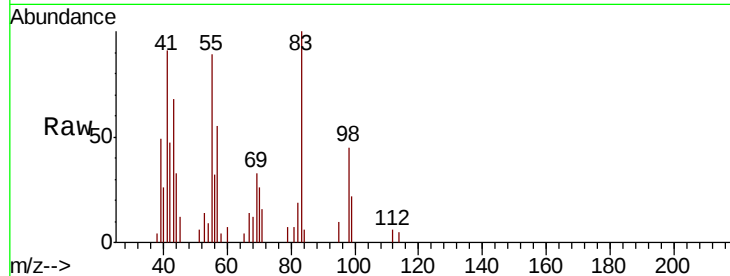




#39
Methylcyclohexane
Concen: 0.771 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

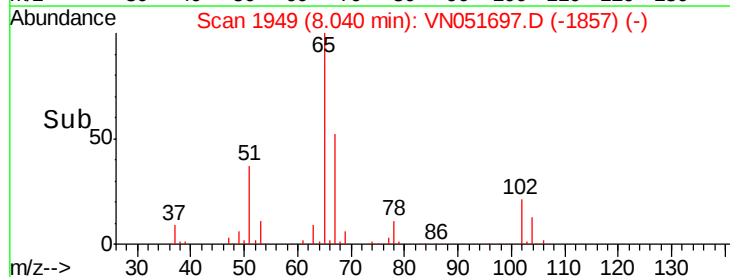
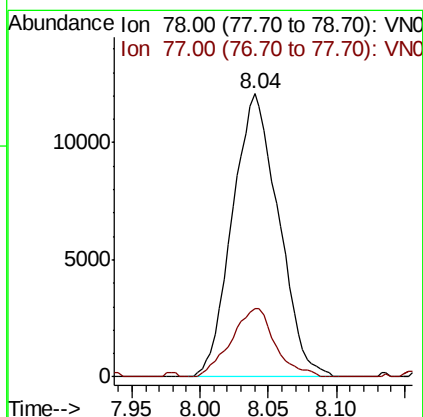
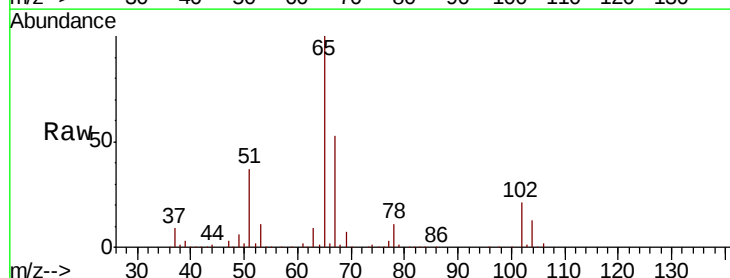
Instrument :
MSVOA_N
ClientSampled :
B-10(7-7.5)

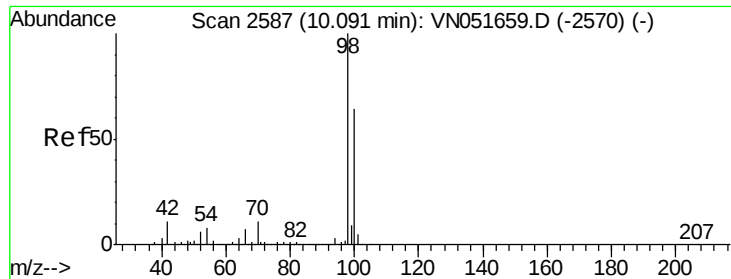
Tgt Ion: 83 Resp: 8786
Ion Ratio Lower Upper
83 100
55 76.6 54.3 81.5
98 44.9 37.4 56.2



#40
Benzene
Concen: 1.054 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

Tgt Ion: 78 Resp: 28373
Ion Ratio Lower Upper
78 100
77 24.2 18.5 27.7

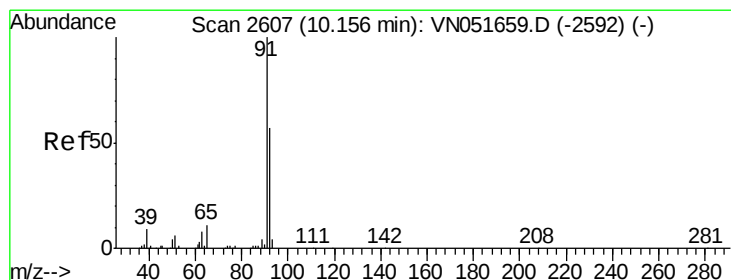
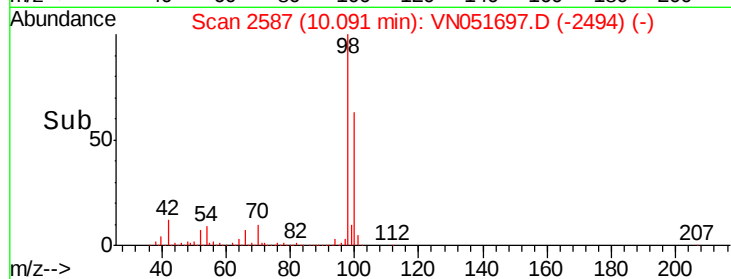
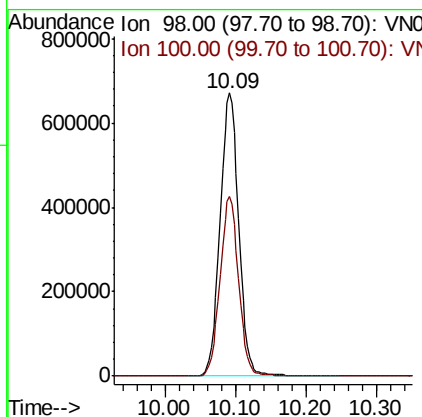
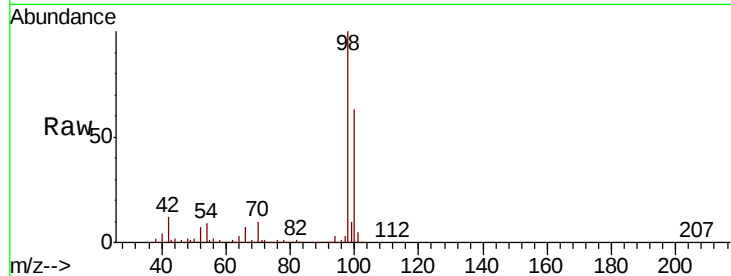




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

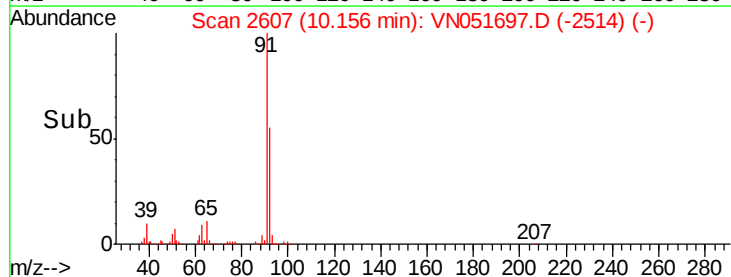
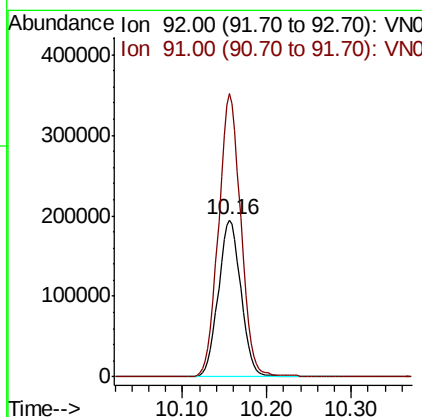
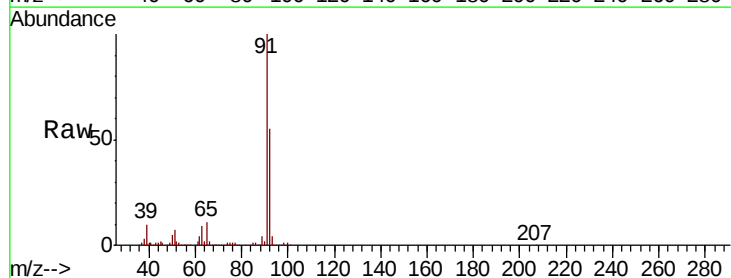
Instrument :
MSVOA_N
ClientSampleId :
B-10(7-7.5)

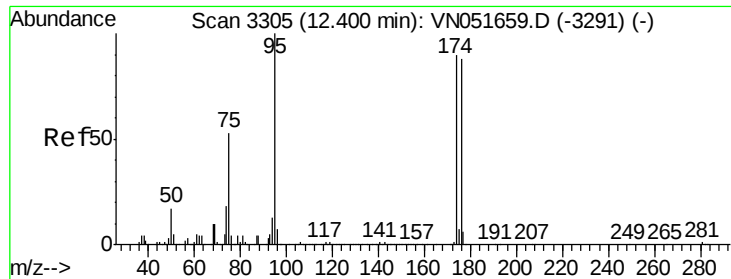
Tgt Ion: 98 Resp: 1237509
Ion Ratio Lower Upper
98 100
100 63.2 51.5 77.3



#52
Toluene
Concen: 20.324 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

Tgt Ion: 92 Resp: 363962
Ion Ratio Lower Upper
92 100
91 177.1 140.3 210.5





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051697.D

Acq: 5 Oct 2018 19:57

Instrument :

MSVOA_N

ClientSampleId :

B-10(7-7.5)

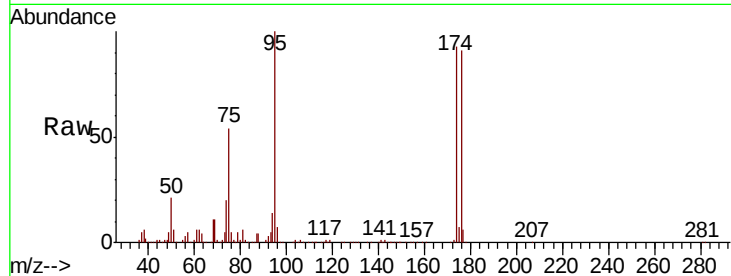
Tgt Ion: 95 Resp: 380439

Ion Ratio Lower Upper

95 100

174 96.6 0.0 182.8

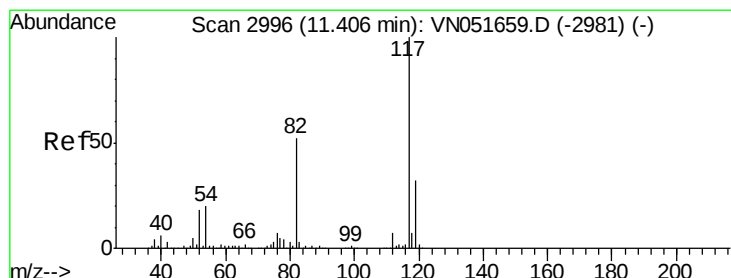
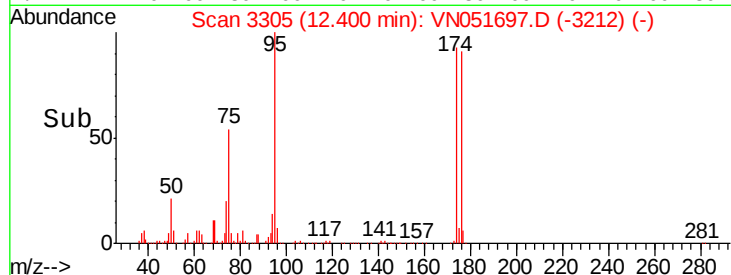
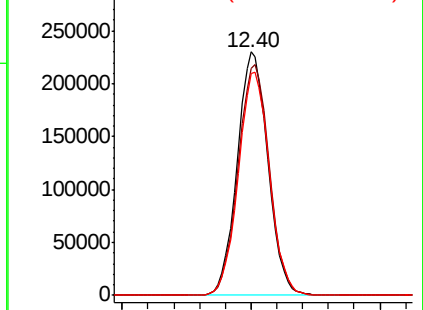
176 93.2 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051697.D

Acq: 5 Oct 2018 19:57

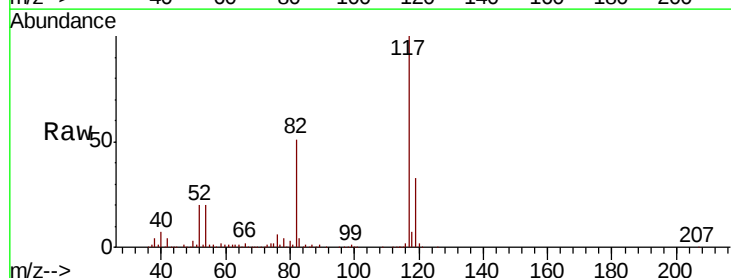
Tgt Ion: 117 Resp: 774400

Ion Ratio Lower Upper

117 100

82 51.4 41.3 61.9

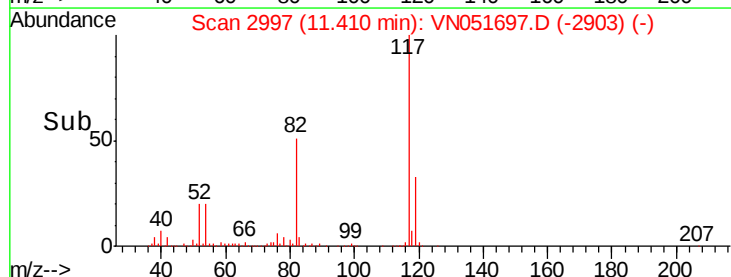
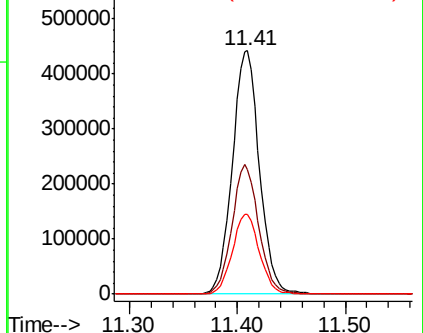
119 32.8 25.9 38.9

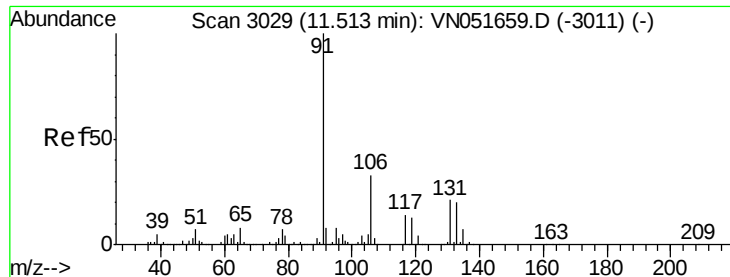


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

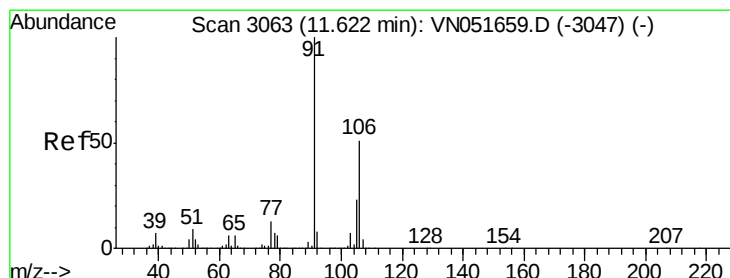
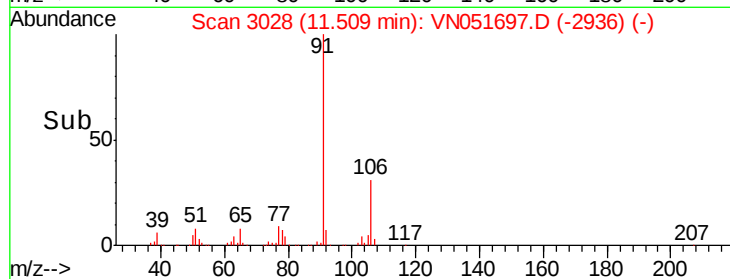
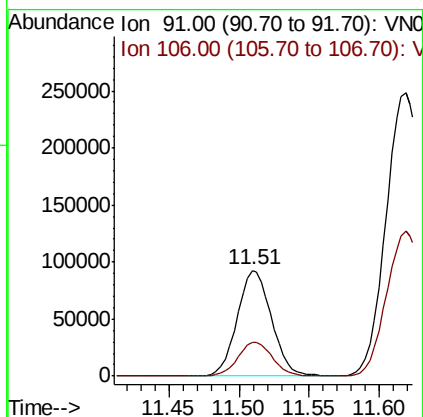
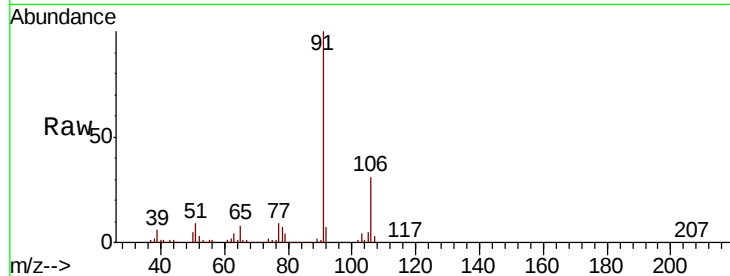




#67
Ethyl Benzene
Concen: 4.794 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

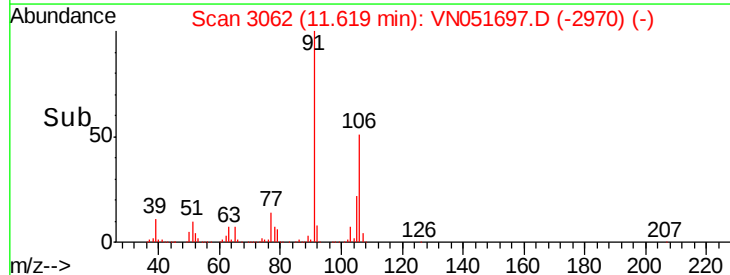
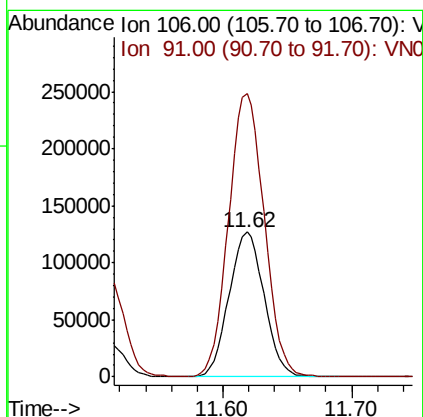
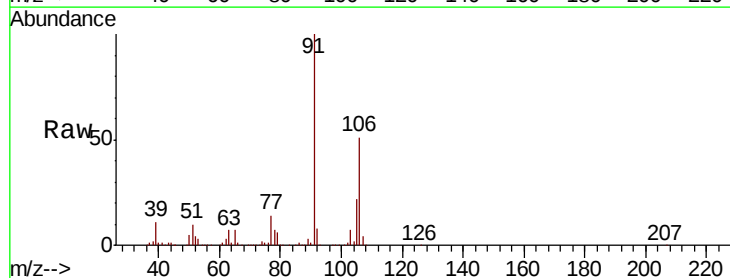
Instrument :
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B-10(7-7.5)

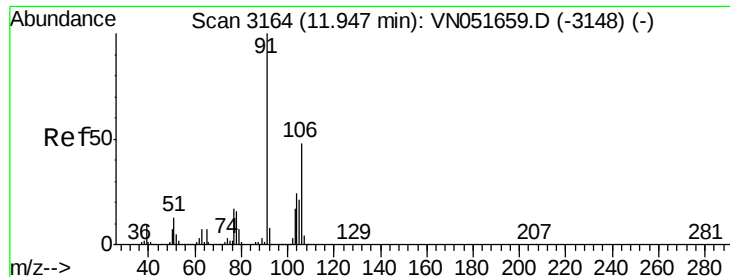
Tgt Ion: 91 Resp: 158923
Ion Ratio Lower Upper
91 100
106 31.5 26.0 39.0



#68
m/p-Xylenes
Concen: 18.083 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

Tgt Ion: 106 Resp: 239859
Ion Ratio Lower Upper
106 100
91 198.6 158.4 237.6

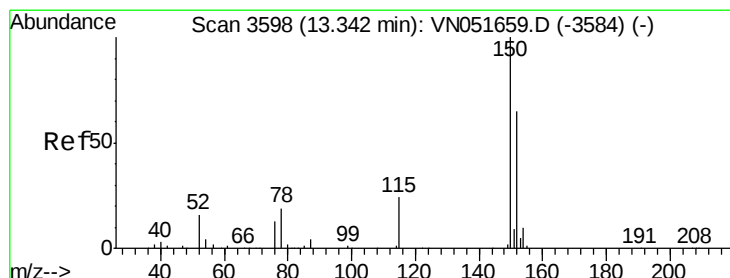
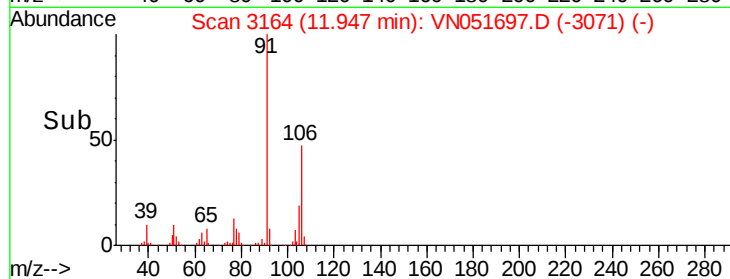
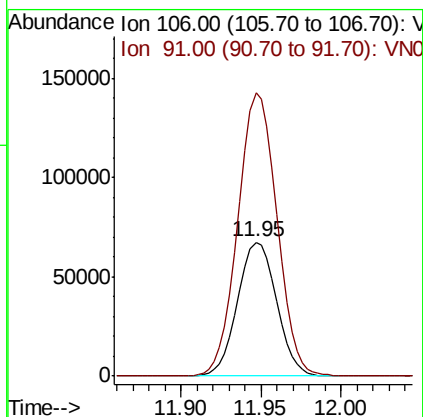
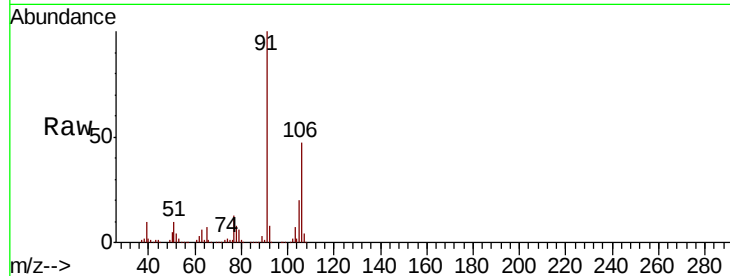




#69
o-Xylene
Concen: 8.658 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

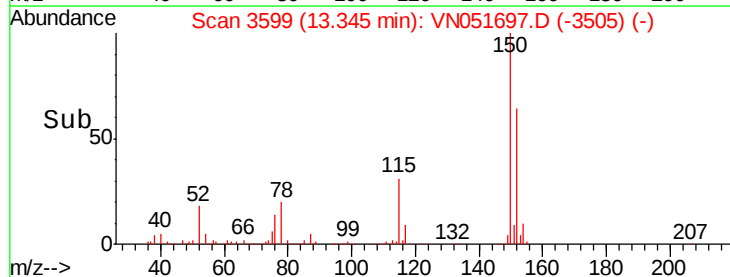
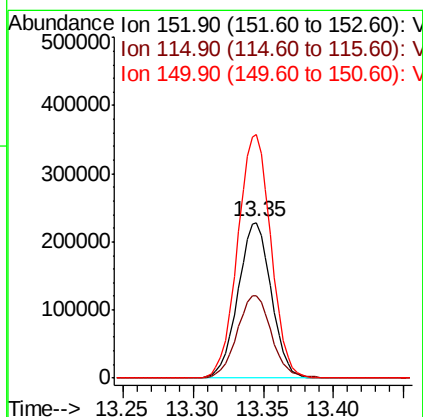
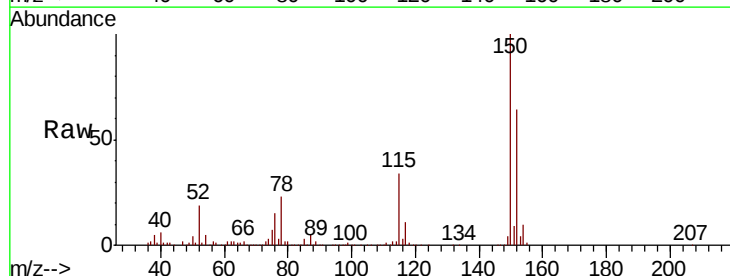
Instrument :
MSVOA_N
ClientSampleId :
B-10(7-7.5)

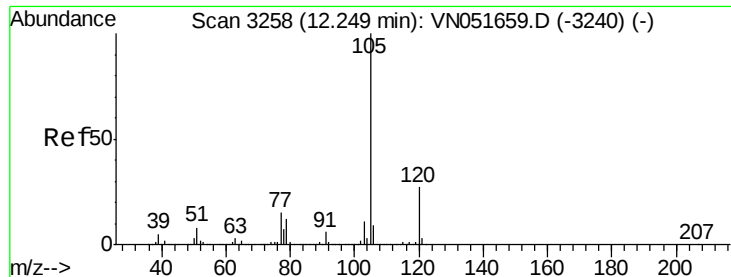
Tgt Ion:106 Resp: 112622
Ion Ratio Lower Upper
106 100
91 211.7 104.4 313.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

Tgt Ion:152 Resp: 375942
Ion Ratio Lower Upper
152 100
115 54.6 28.6 85.8
150 157.5 0.0 352.4





#73

Isopropylbenzene

Concen: 0.684 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051697.D

Acq: 5 Oct 2018 19:57

Instrument :

MSVOA_N

ClientSampled :

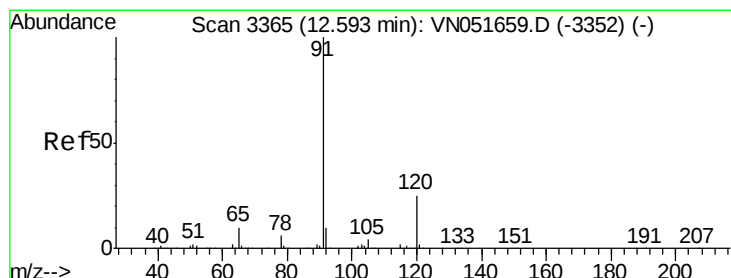
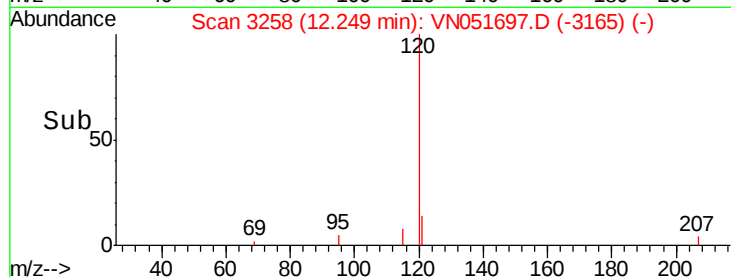
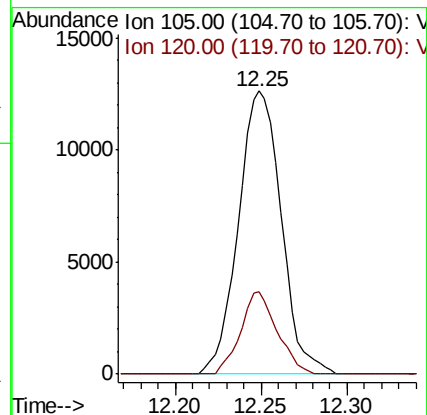
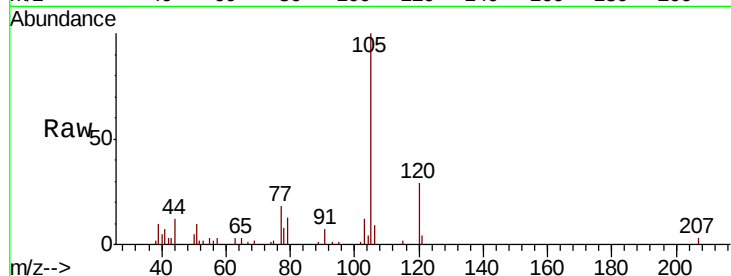
B-10(7-7.5)

Tgt Ion:105 Resp: 21917

Ion Ratio Lower Upper

105 100

120 24.7 13.9 41.6



#78

n-propylbenzene

Concen: 2.207 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051697.D

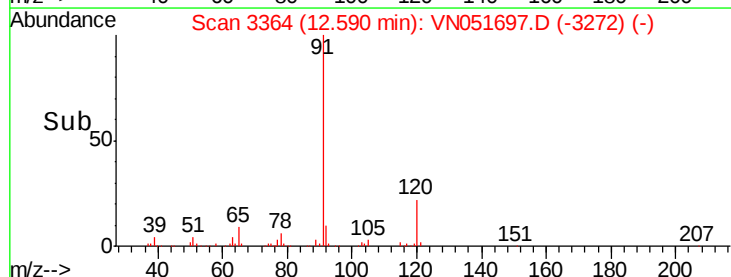
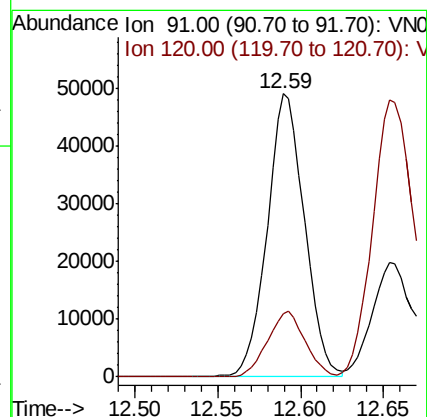
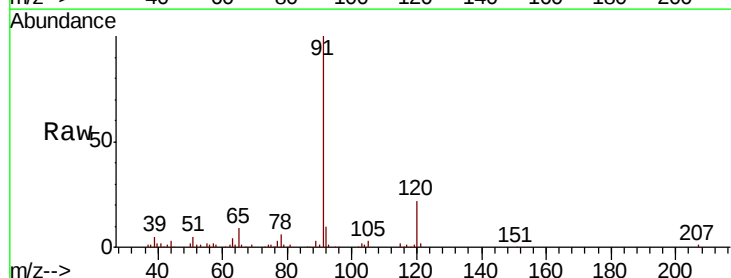
Acq: 5 Oct 2018 19:57

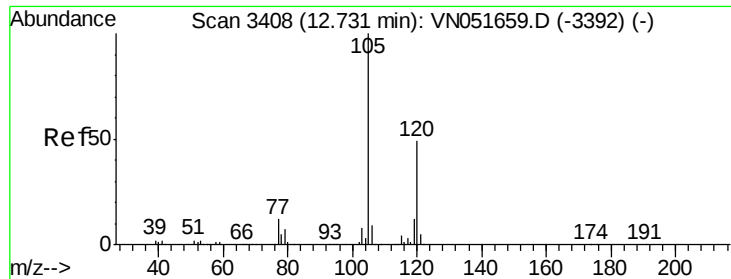
Tgt Ion: 91 Resp: 77137

Ion Ratio Lower Upper

91 100

120 23.4 12.4 37.2





#80

1,3,5-Trimethylbenzene

Concen: 4.140 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051697.D

Acq: 5 Oct 2018 19:57

Instrument :

MSVOA_N

ClientSampled :

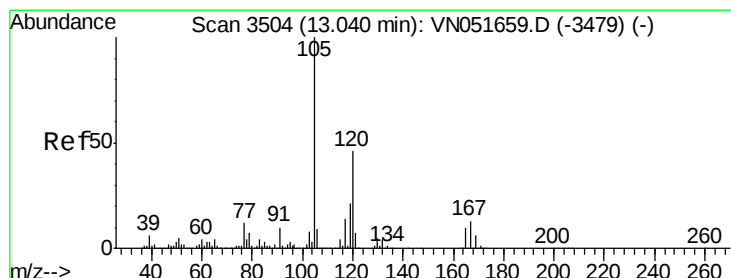
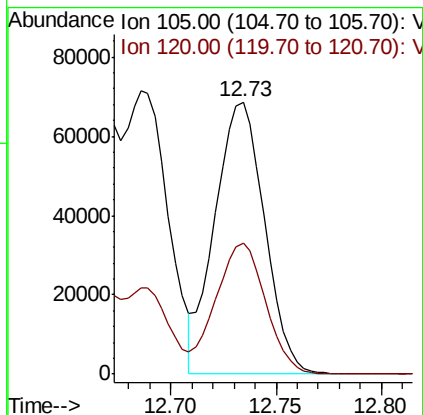
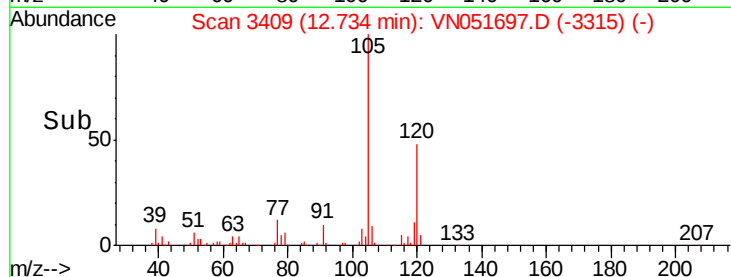
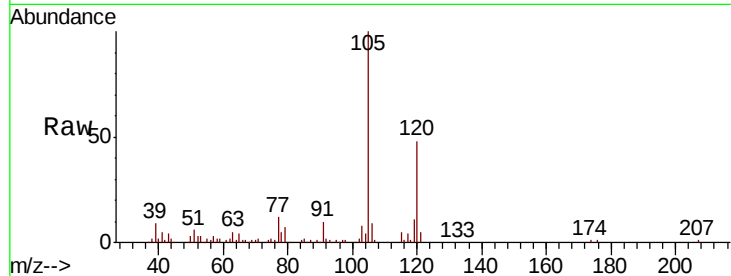
B-10(7-7.5)

Tgt Ion:105 Resp: 111813

Ion Ratio Lower Upper

105 100

120 48.5 24.6 74.0



#84

1,2,4-Trimethylbenzene

Concen: 14.672 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051697.D

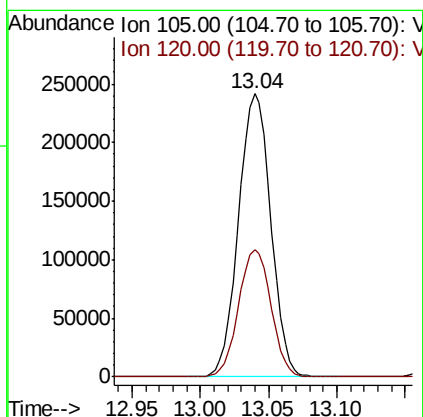
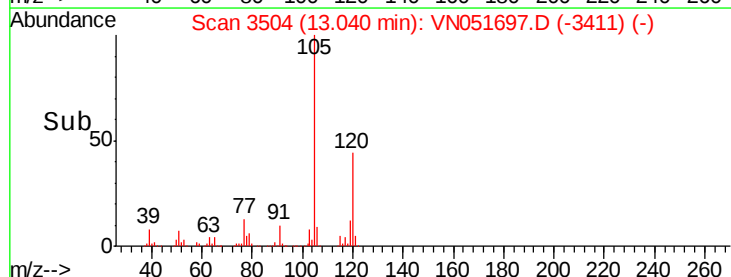
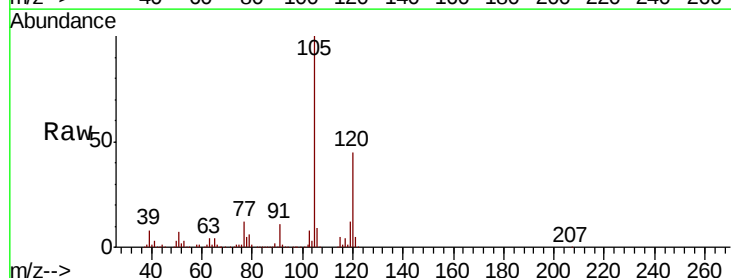
Acq: 5 Oct 2018 19:57

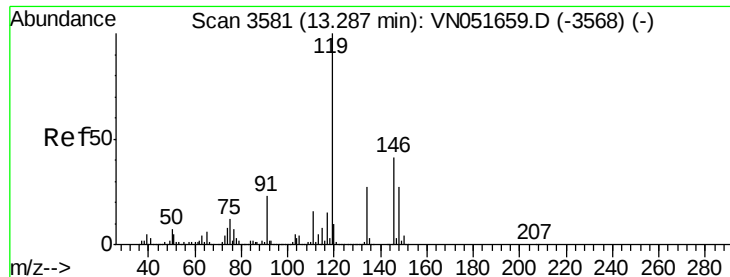
Tgt Ion:105 Resp: 396893

Ion Ratio Lower Upper

105 100

120 45.3 22.9 68.7

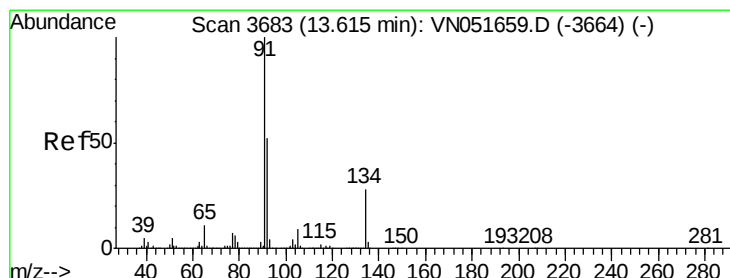
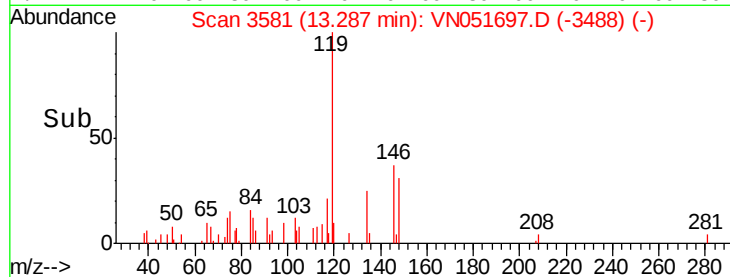
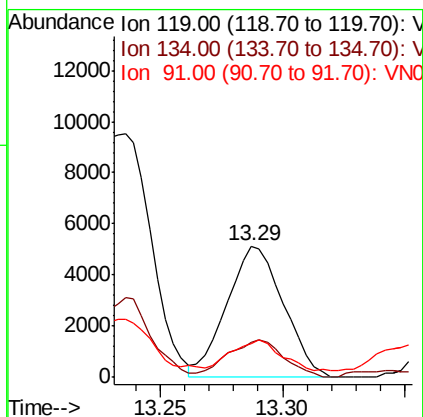
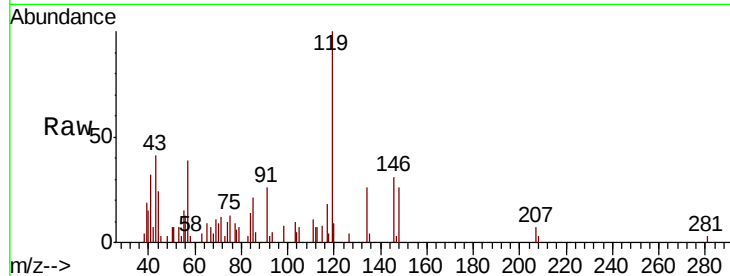




#86
p-Isopropyltoluene
Concen: 0.292 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

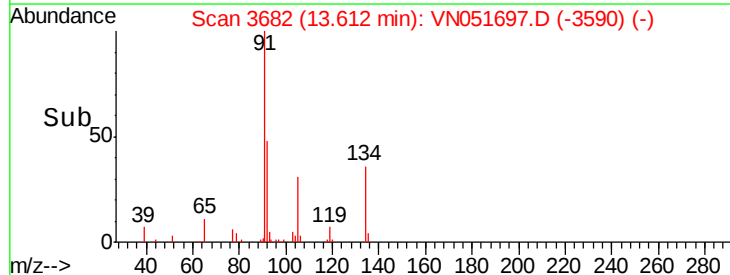
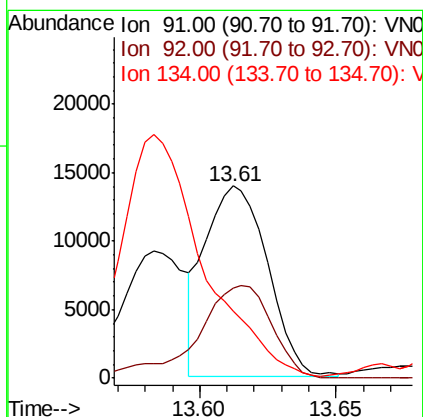
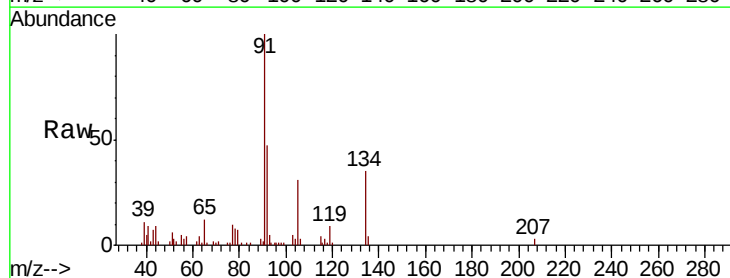
Instrument :
MSVOA_N
ClientSampleId :
B-10(7-7.5)

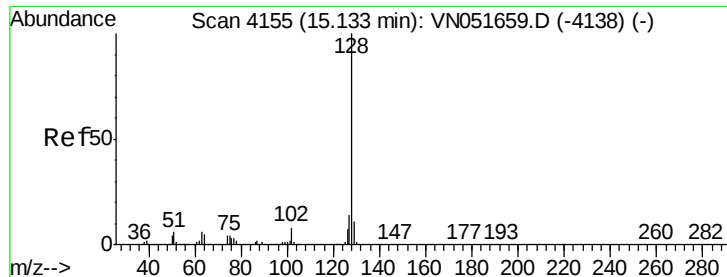
Tgt Ion: 119 Resp: 8278
Ion Ratio Lower Upper
119 100
134 28.3 13.4 40.2
91 21.9 11.7 35.1



#89
n-Butylbenzene
Concen: 0.984 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051697.D
Acq: 5 Oct 2018 19:57

Tgt Ion: 91 Resp: 22070
Ion Ratio Lower Upper
91 100
92 58.2 26.0 78.0
134 0.0 14.2 42.6#





#95

Naphthalene

Concen: 2.746 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051697.D

Acq: 5 Oct 2018 19:57

Instrument :

MSVOA_N

ClientSampleId :

B-10(7-7.5)

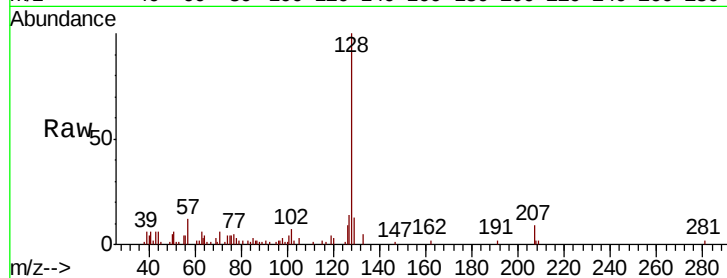
Tgt Ion:128 Resp: 35813

Ion Ratio Lower Upper

128 100

127 14.6 10.6 15.8

129 12.4 9.0 13.6



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

