

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058221.D
 Acq On : 19 Sep 2019 21:50
 Operator : JC/SP
 Sample : K4940-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30356

Quant Time: Sep 20 08:33:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	502405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	816030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	694578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289659	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	340768	48.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.40%	
35) Dibromofluoromethane	7.57	113	234861	47.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.68%	
50) Toluene-d8	10.09	98	972180	50.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	316660	44.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.20%	

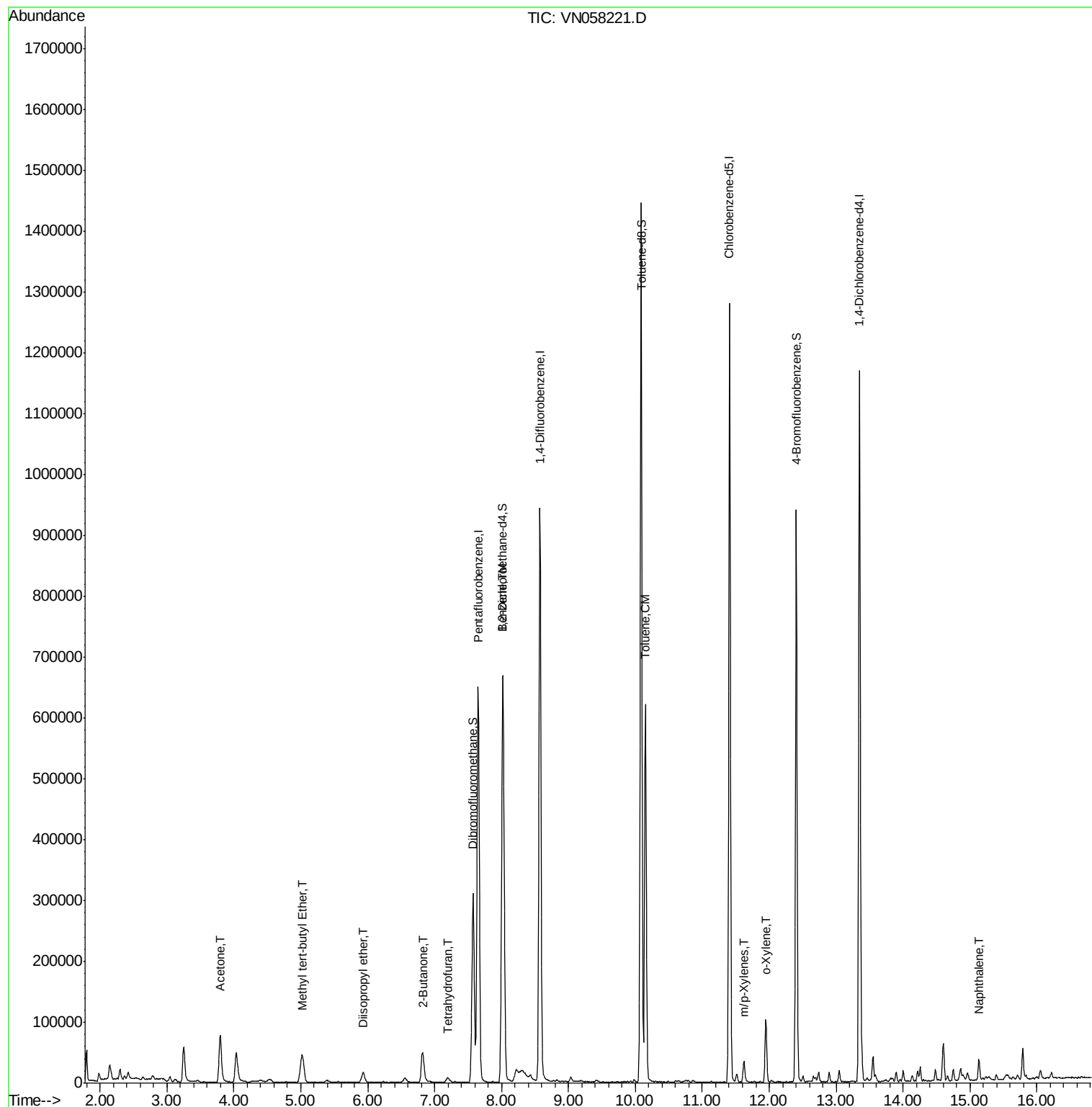
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	130306	54.860	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	74007	4.831	ug/l	99
22) Diisopropyl ether	5.93	45	21049	1.247	ug/l	90
25) 2-Butanone	6.82	43	94667	29.255	ug/l	99
29) Tetrahydrofuran	7.19	42	5254	2.636	ug/l #	80
40) Benzene	8.03	78	384795	21.408	ug/l	98
52) Toluene	10.15	92	264203	23.454	ug/l	99
68) m/p-Xylenes	11.62	106	10738	1.362	ug/l	95
69) o-Xylene	11.95	106	28095	3.624	ug/l	96
95) Naphthalene	15.13	128	26945	1.947	ug/l	97

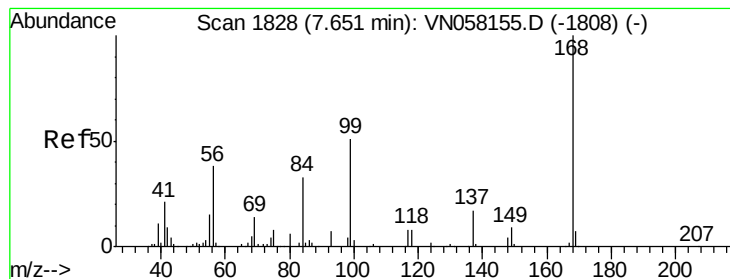
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058221.D

Acq: 19 Sep 2019 21:50

Instrument :

MSVOA_N

ClientSampleId :

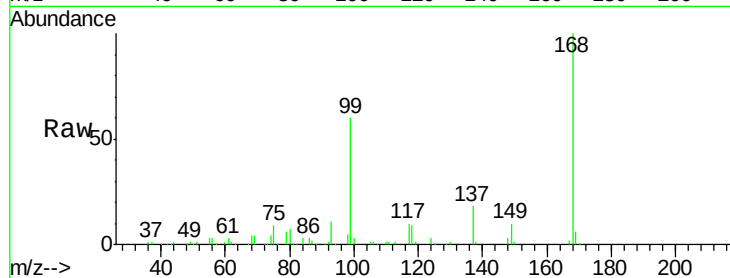
30356

Tot Ion:168 Resp: 502405

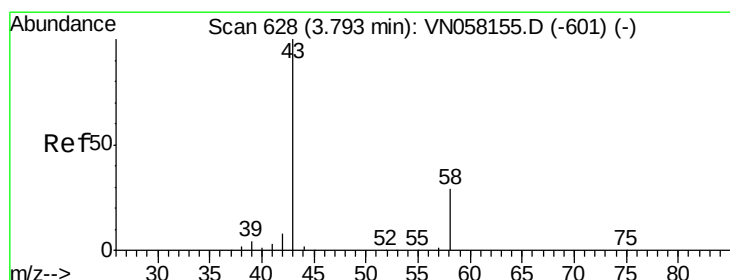
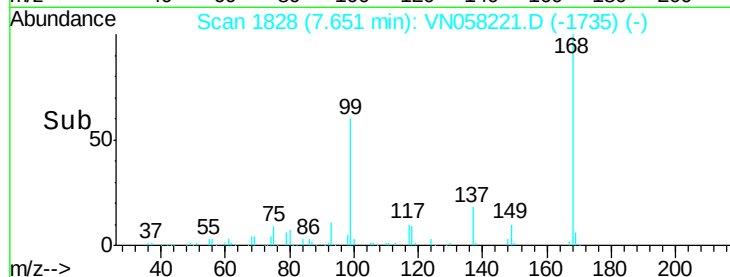
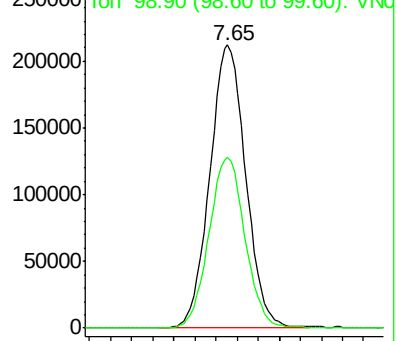
Ion Ratio Lower Upper

168 100

99 60.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN058221.D (-1735) (-)



#16

Acetone

Concen: 54.860 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058221.D

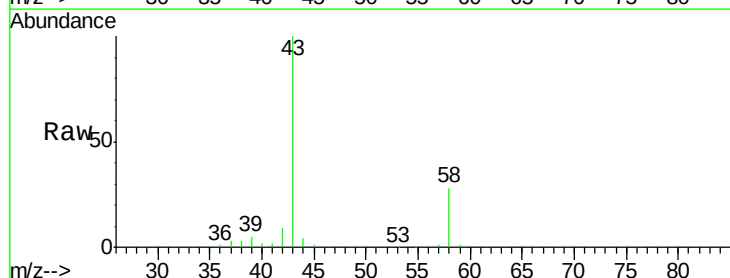
Acq: 19 Sep 2019 21:50

Tgt Ion: 43 Resp: 130306

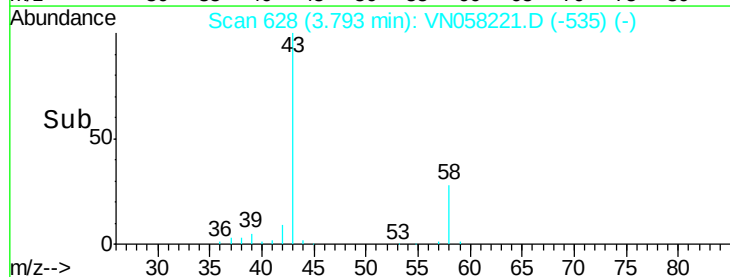
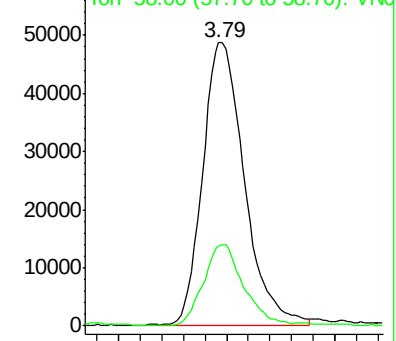
Ion Ratio Lower Upper

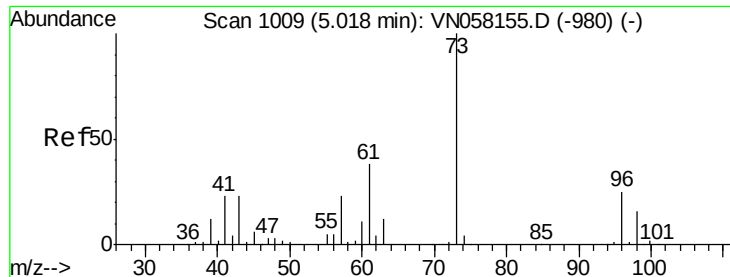
43 100

58 28.4 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058221.D (-535) (-)

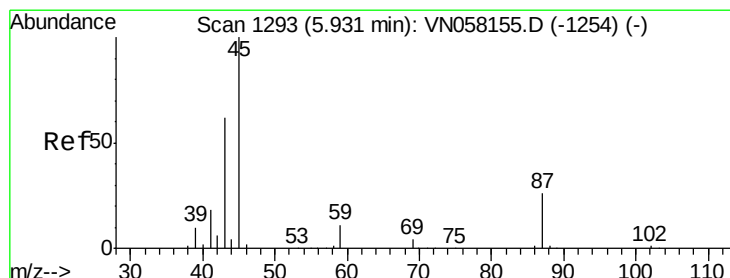
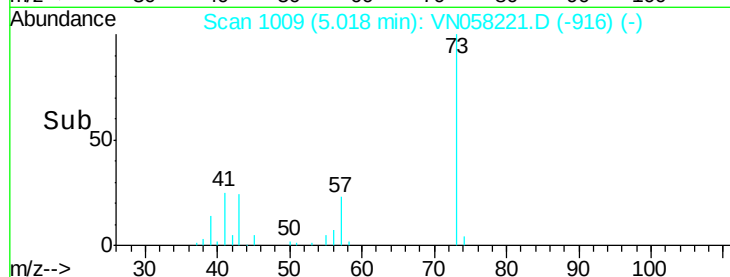
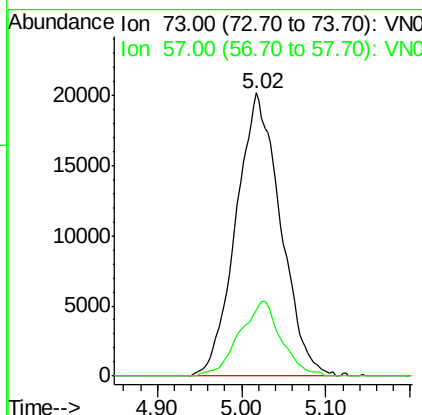
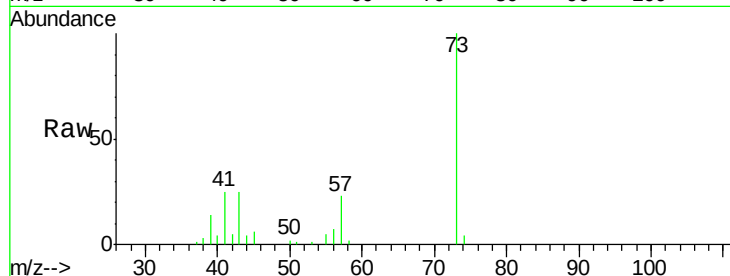




#19
Methvl tert-butvl Ether
Concen: 4.831 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058221.D
Acq: 19 Sep 2019 21:50

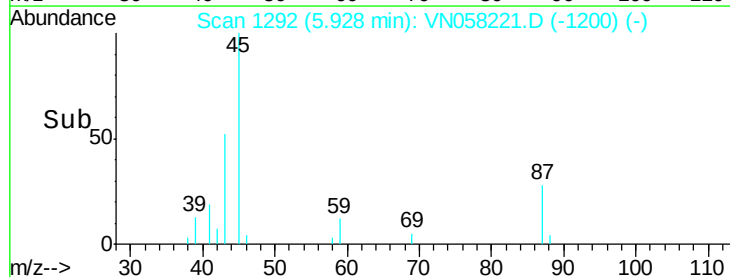
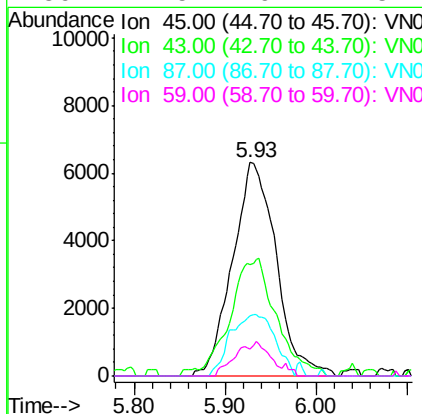
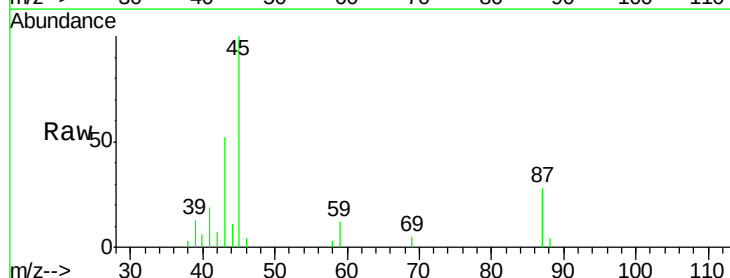
Instrument :
MSVOA_N
ClientSampled :
30356

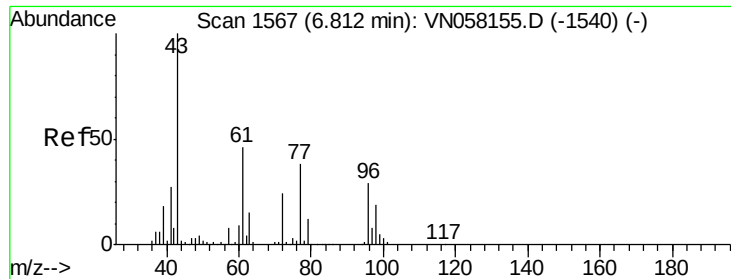
Tot Ion: 73 Resp: 74007
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1



#22
Diisopropyl ether
Concen: 1.247 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058221.D
Acq: 19 Sep 2019 21:50

Tgt Ion: 45 Resp: 21049
Ion Ratio Lower Upper
45 100
43 52.0 49.7 74.5
87 28.2 20.7 31.1
59 12.5 9.1 13.7





#25

2-Butanone

Concen: 29.255 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN058221.D

Acq: 19 Sep 2019 21:50

Instrument :

MSVOA_N

ClientSampled :

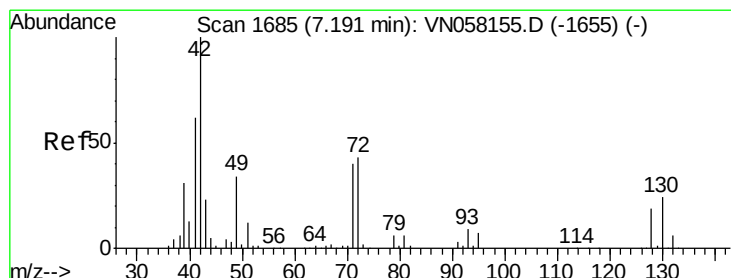
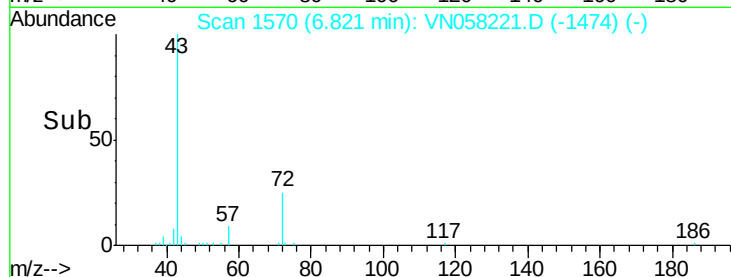
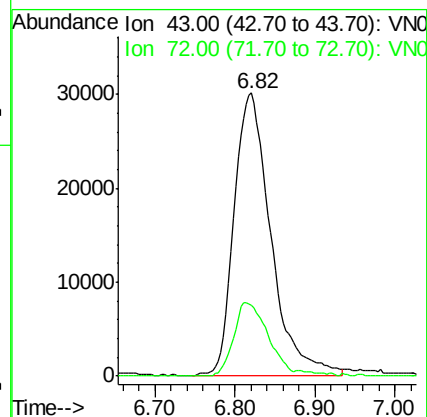
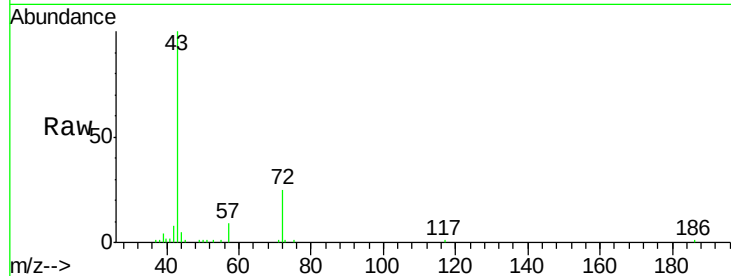
30356

Tot Ion: 43 Resp: 94667

Ion Ratio Lower Upper

43 100

72 24.9 19.5 29.3



#29

Tetrahydrofuran

Concen: 2.636 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058221.D

Acq: 19 Sep 2019 21:50

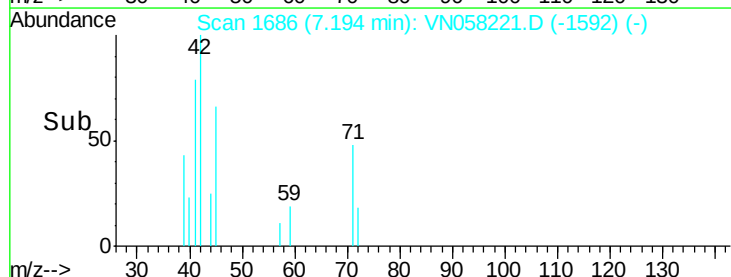
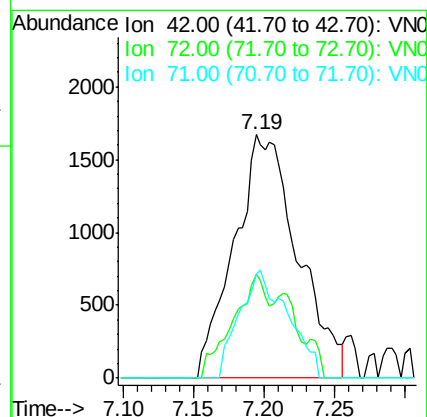
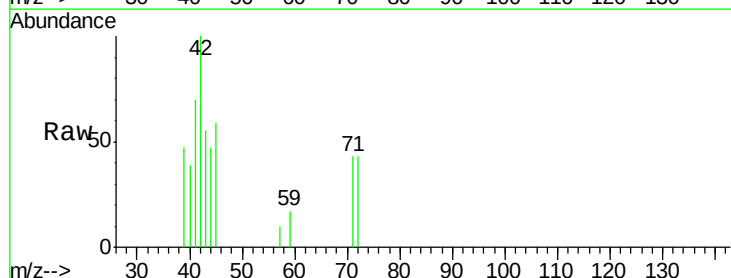
Tgt Ion: 42 Resp: 5254

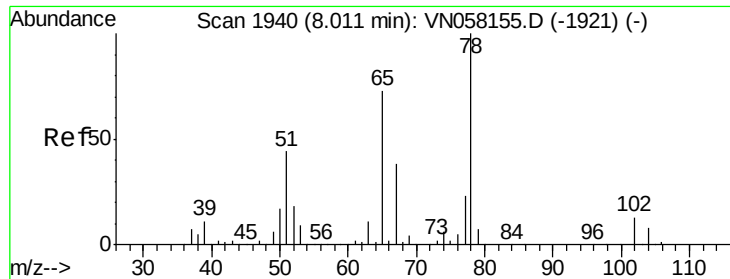
Ion Ratio Lower Upper

42 100

72 23.3 33.8 50.6#

71 33.7 31.4 47.0

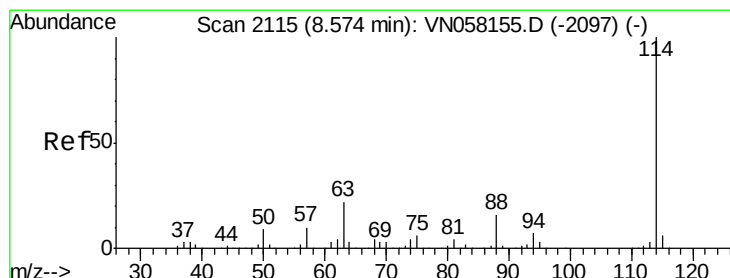
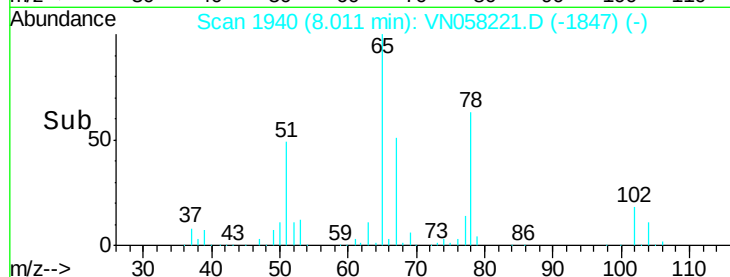
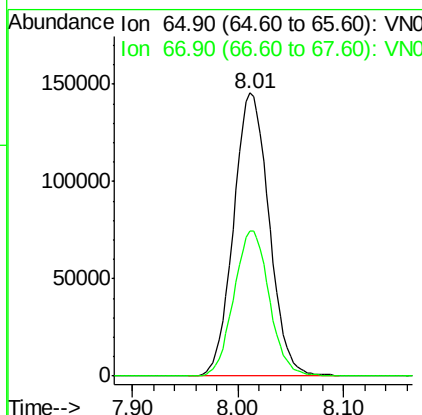
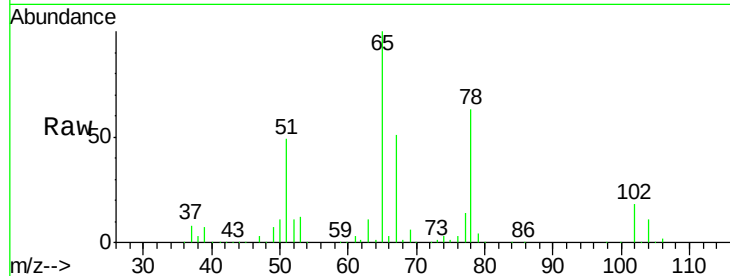




#33
 1,2-Dichloroethane-d4
 Concen: 48.699 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058221.D
 Acq: 19 Sep 2019 21:50

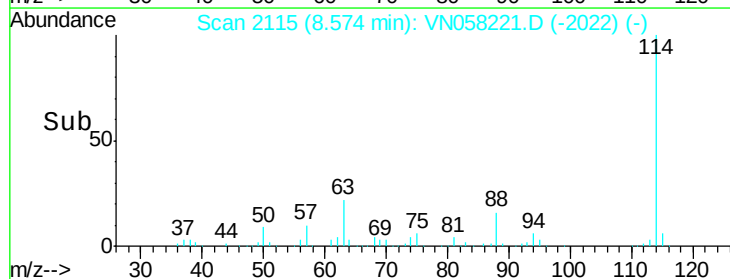
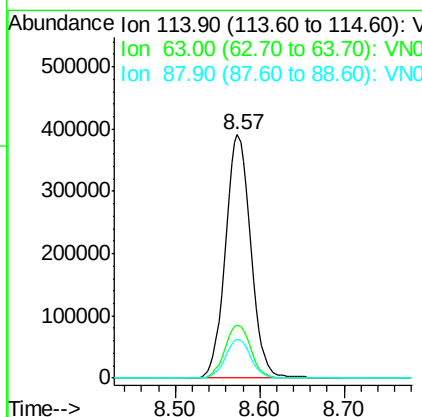
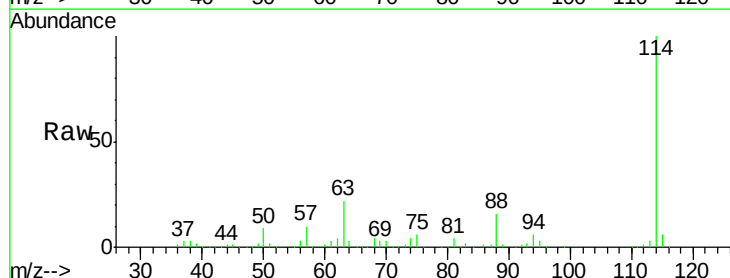
Instrument :
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 ClientSampleId :
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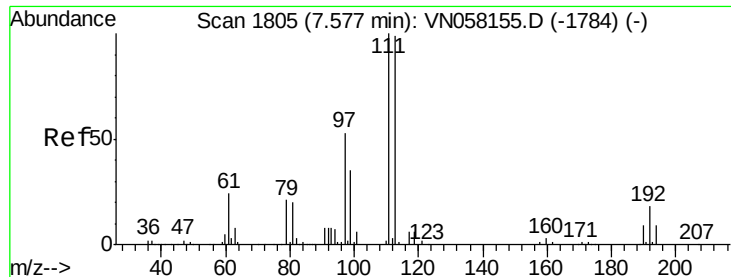
Tot Ion: 65 Resp: 340768
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058221.D
 Acq: 19 Sep 2019 21:50

Tgt Ion: 114 Resp: 816030
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.2
 88 16.0 0.0 31.6

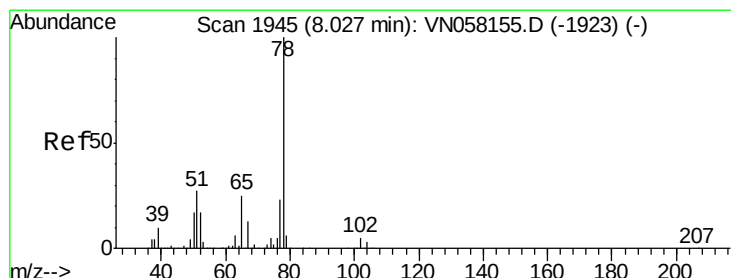
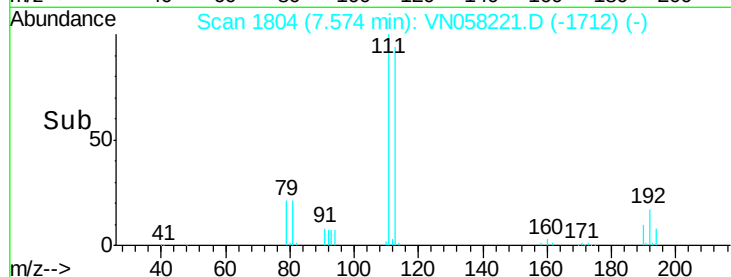
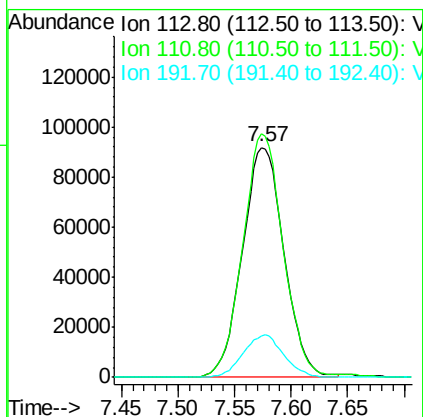
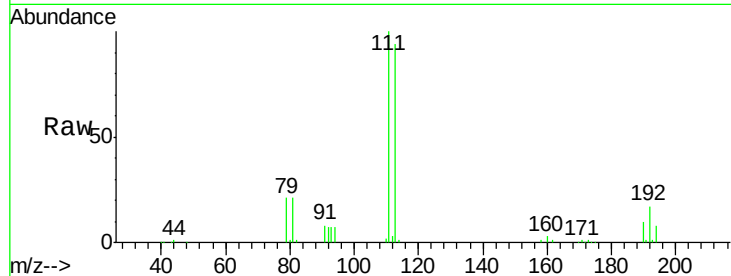




#35
 Dibromofluoromethane
 Concen: 47.343 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058221.D
 Acq: 19 Sep 2019 21:50

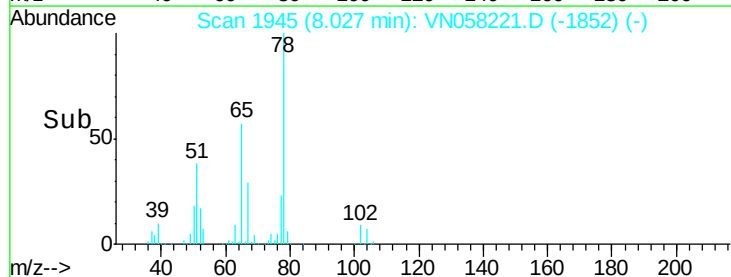
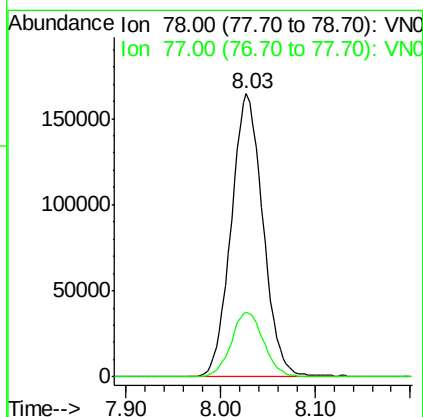
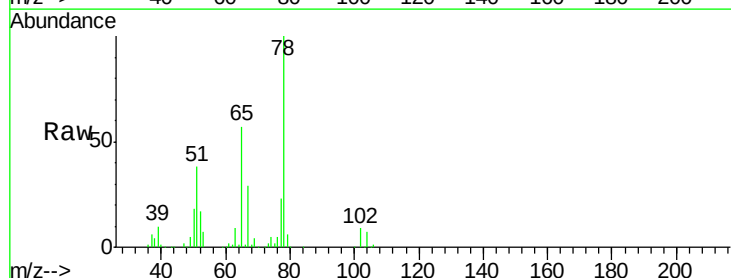
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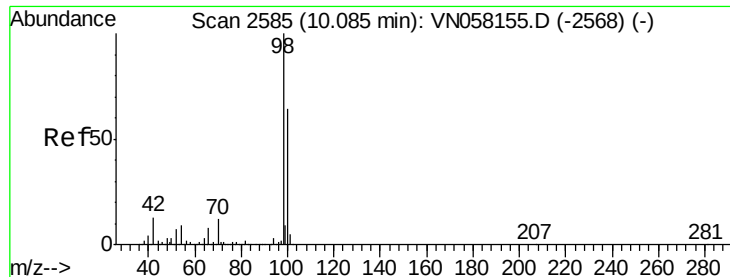
Tot Ion:113 Resp: 234861
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.8 122.6
 192 18.1 14.5 21.7



#40
 Benzene
 Concen: 21.408 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN058221.D
 Acq: 19 Sep 2019 21:50

Tgt Ion: 78 Resp: 384795
 Ion Ratio Lower Upper
 78 100
 77 22.6 18.8 28.2

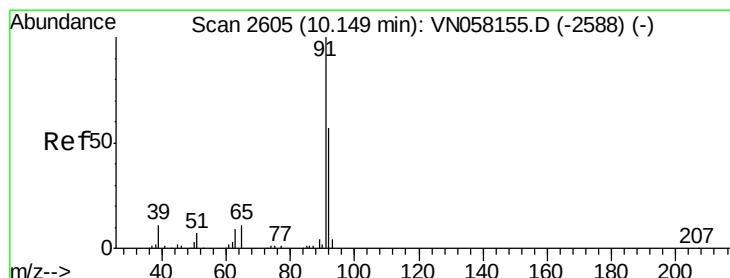
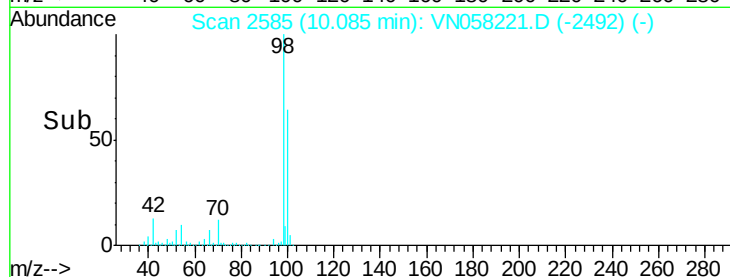
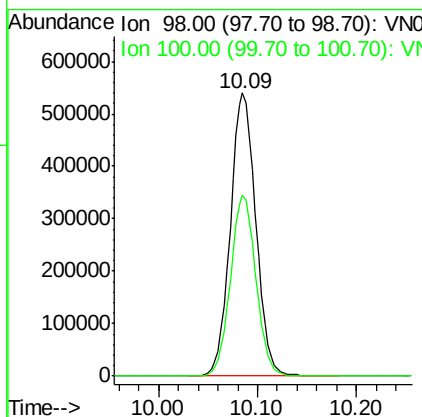
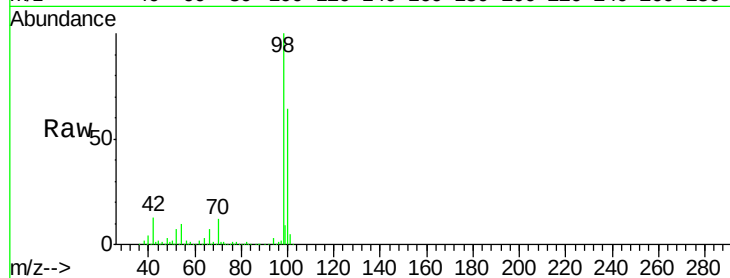




#50
Toluene-d8
Concen: 50.298 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058221.D
Acq: 19 Sep 2019 21:50

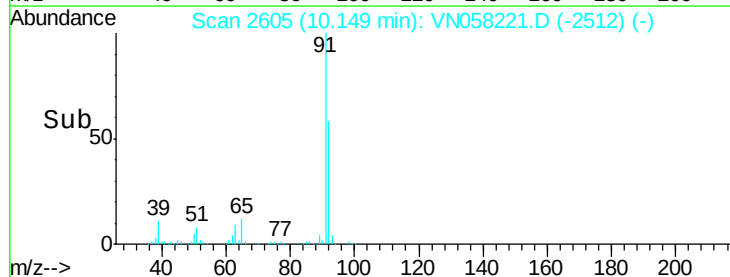
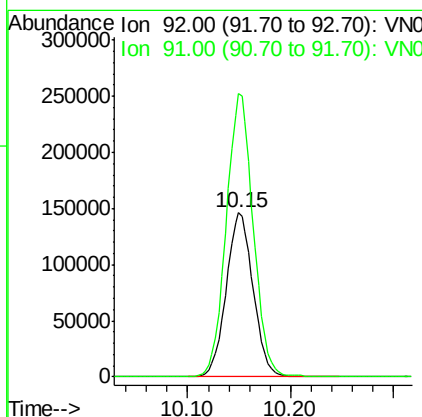
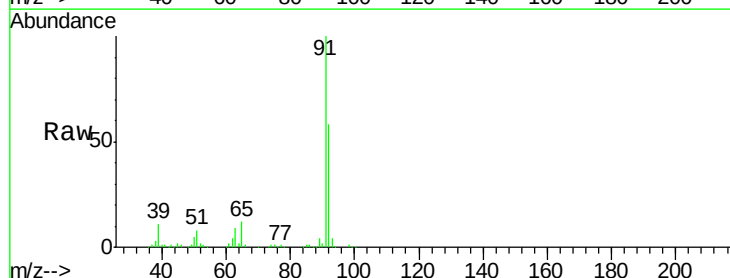
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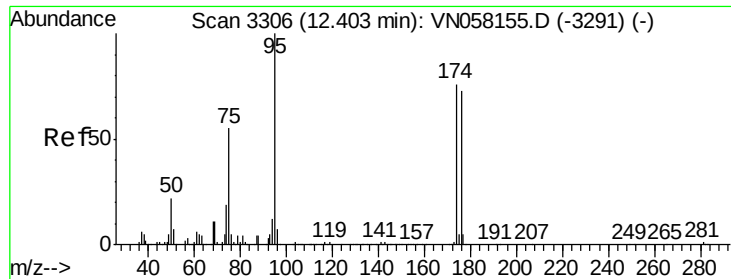
Tot Ion: 98 Resp: 972180
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



#52
Toluene
Concen: 23.454 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058221.D
Acq: 19 Sep 2019 21:50

Tgt Ion: 92 Resp: 264203
Ion Ratio Lower Upper
92 100
91 173.4 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 44.105 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058221.D

Acq: 19 Sep 2019 21:50

Instrument :

MSVOA_N

ClientSampleId :

30356

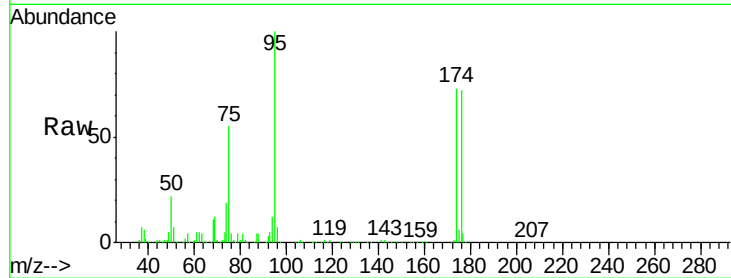
Tot Ion: 95 Resp: 316660

Ion Ratio Lower Upper

95 100

174 74.3 0.0 152.2

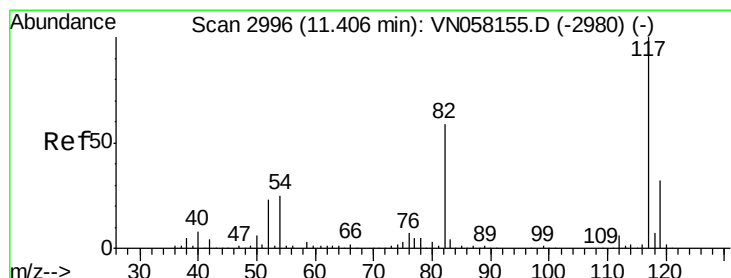
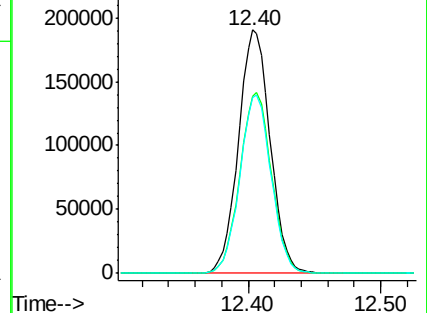
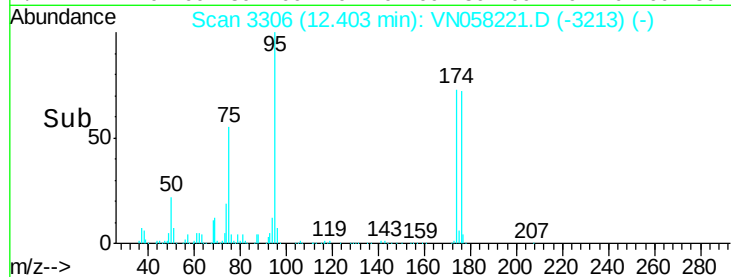
176 72.5 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058221.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058221.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058221.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058221.D

Acq: 19 Sep 2019 21:50

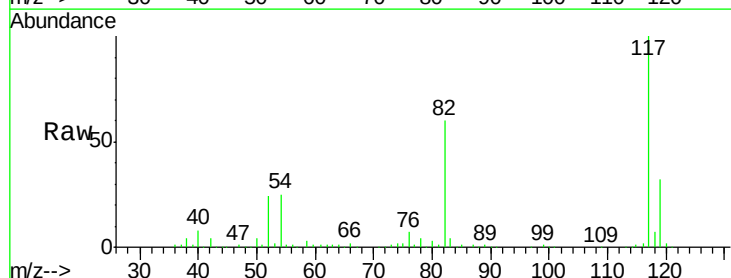
Tgt Ion: 117 Resp: 694578

Ion Ratio Lower Upper

117 100

82 59.9 46.9 70.3

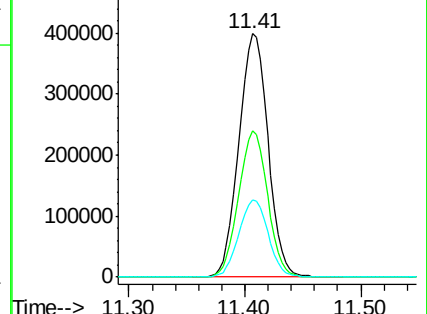
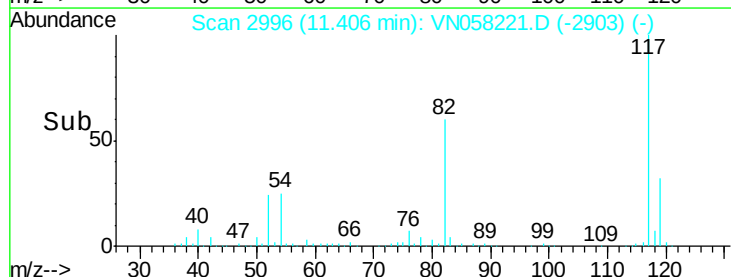
119 31.7 25.3 37.9

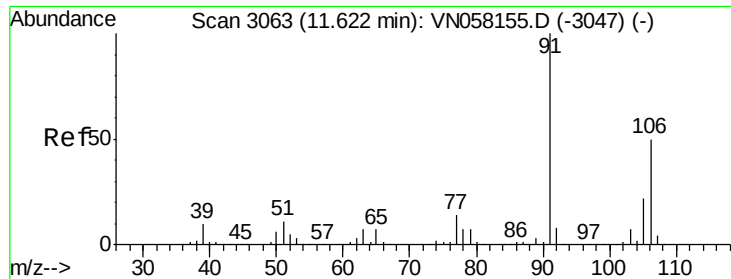


Abundance Ion 116.90 (116.60 to 117.60): VN058221.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058221.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058221.D (-2903) (-)





#68

m/p-Xylenes

Concen: 1.362 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058221.D

Acq: 19 Sep 2019 21:50

Instrument :

MSVOA_N

ClientSampled :

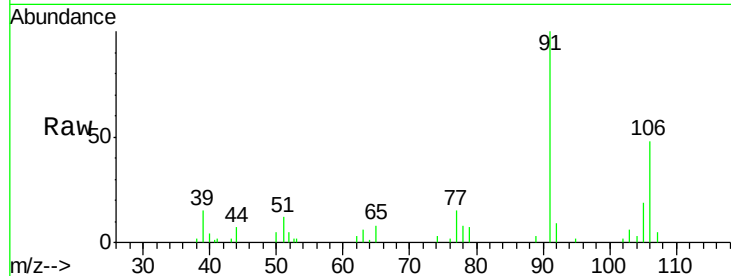
30356

Tot Ion:106 Resp: 10738

Ion Ratio Lower Upper

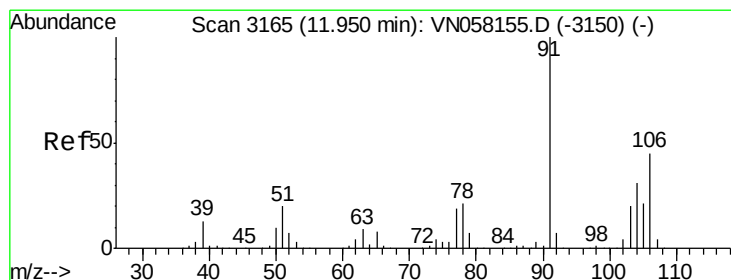
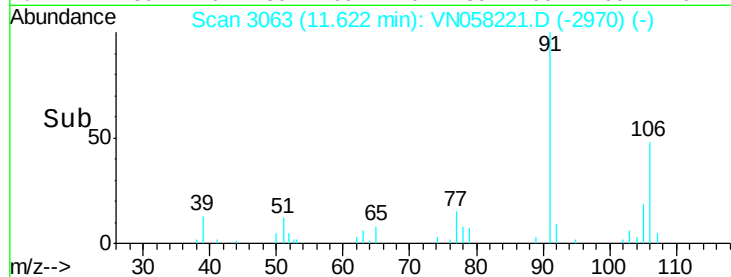
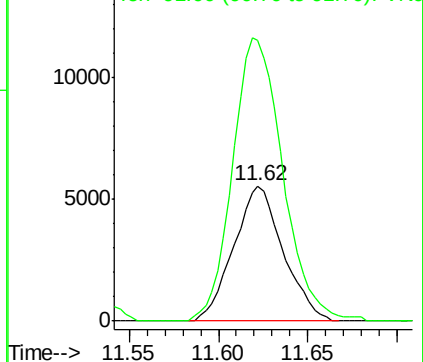
106 100

91 212.4 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 3.624 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058221.D

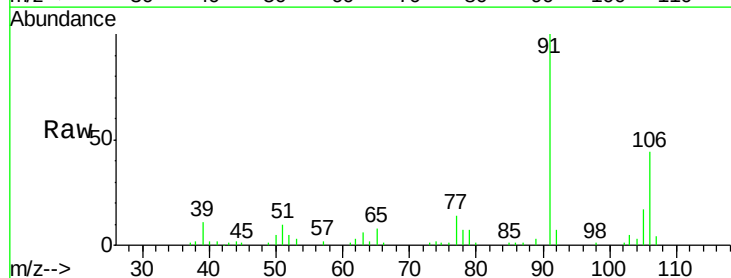
Acq: 19 Sep 2019 21:50

Tgt Ion:106 Resp: 28095

Ion Ratio Lower Upper

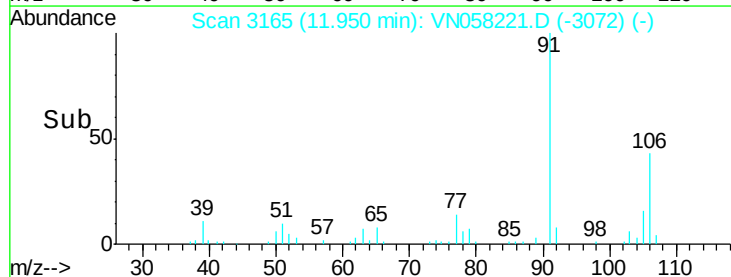
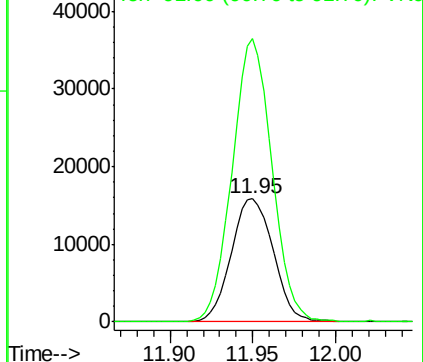
106 100

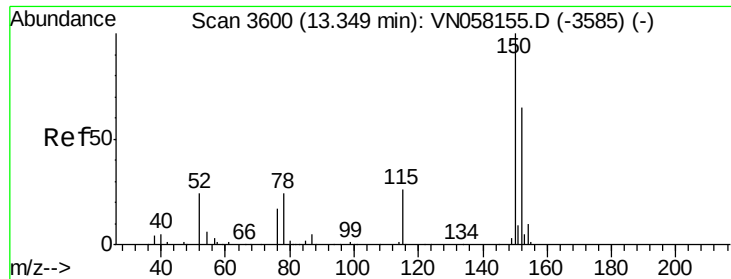
91 216.5 111.8 335.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

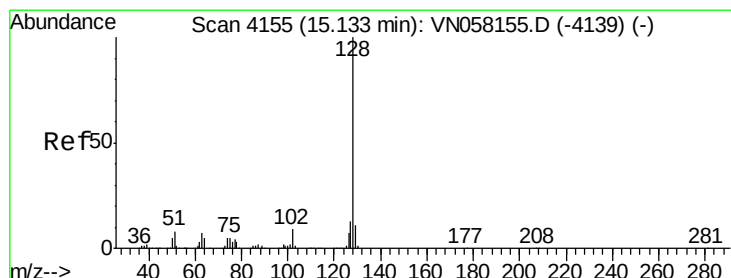
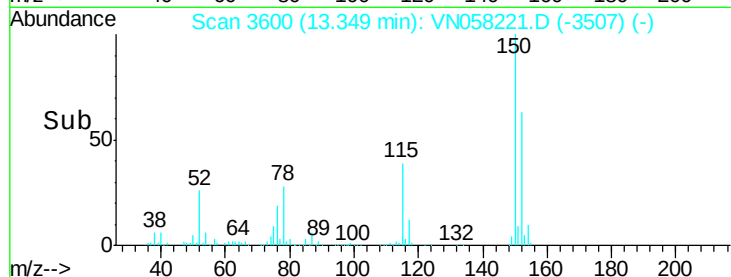
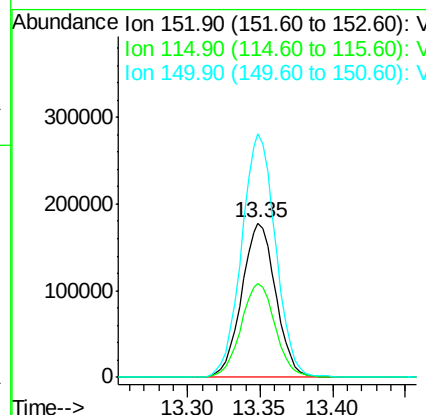
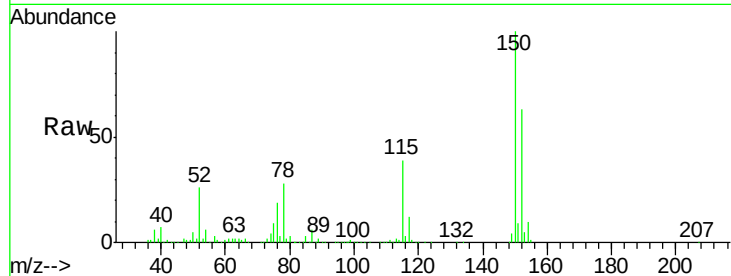




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058221.D
 Acq: 19 Sep 2019 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 30356

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.1	90.3
150	157.4	0.0	346.4



#95
 Naphthalene
 Concen: 1.947 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058221.D
 Acq: 19 Sep 2019 21:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.2	15.2
129	11.3	8.6	12.8

