

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060471.D
 Acq On : 5 Oct 2018 22:51
 Operator : VA/AP
 Sample : J5084-13
 Misc : 5.82/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-11(12-12.5)

Manual Integrations
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 10/8/2018 9:43:43 AM

Quant Time: Oct 06 05:32:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	184600	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	282422	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	231994	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	153595	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	133665	46.27	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.54%	
35) Dibromofluoromethane	4.27	113	106925	40.30	ug/l	0.01
Spiked Amount 50.000			Recovery	=	80.60%	
50) Toluene-d8	7.69	98	246440	37.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	75.44%	
62) 4-Bromofluorobenzene	11.50	95	251816	84.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	168.80%	
Target Compounds						
17) Carbon Disulfide	1.89	76	29517	4.353	ug/l #	81
39) Methylcyclohexane	5.68	83	66727	19.547	ug/l #	37
73) Isopropylbenzene	11.22	105	121400	10.038	ug/l	90
78) n-propylbenzene	11.68	91	706802	48.209	ug/l	94
85) sec-Butylbenzene	12.38	105	622981	44.535	ug/l #	74
89) n-Butylbenzene	12.92	91	1069109m	88.406	ug/l	

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

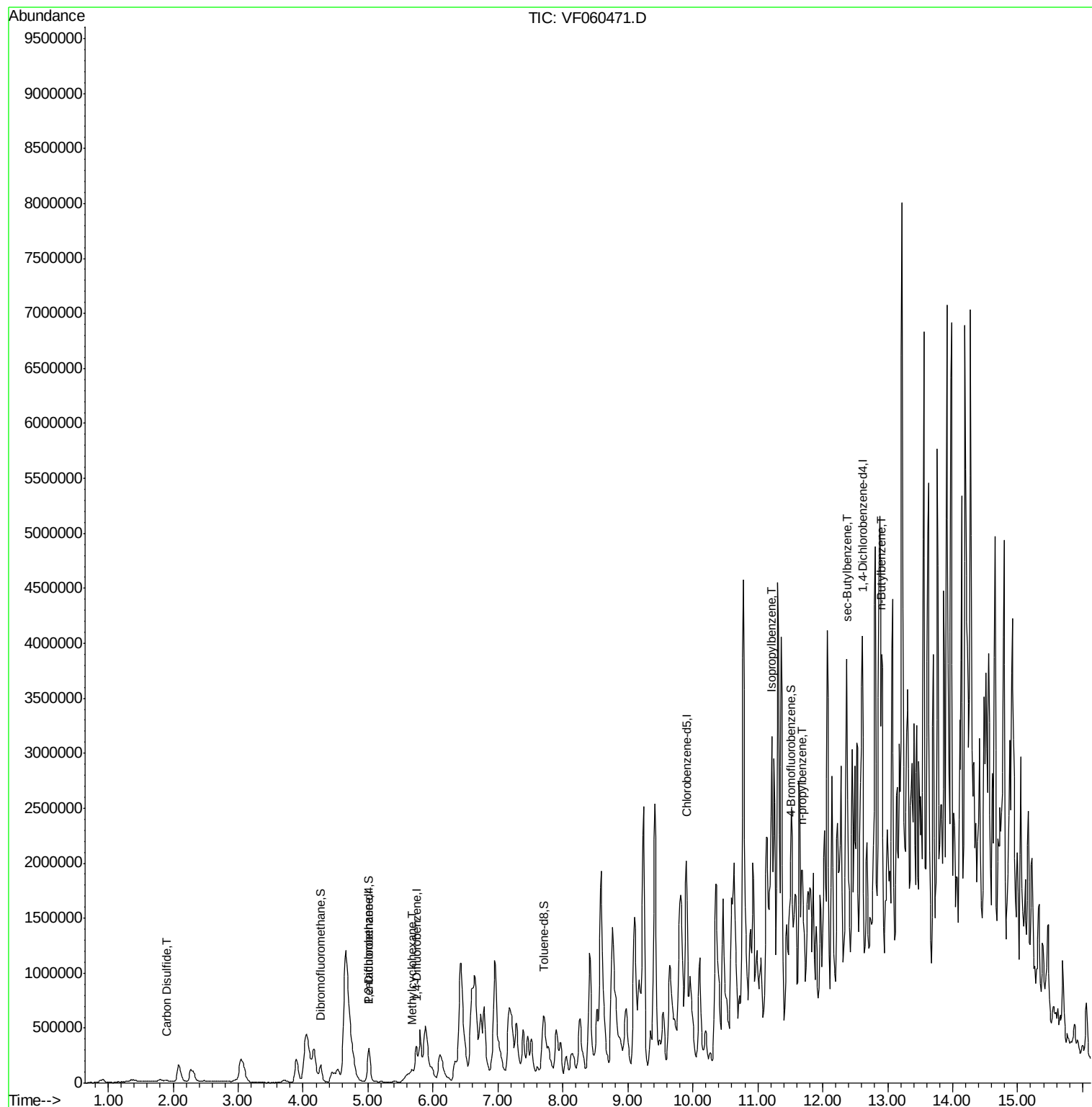
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060471.D
Acq On : 5 Oct 2018 22:51
Operator : VA/AP
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Misc : 5.82/5mL/MSVOA F/SOIL
ALS Vial : 44 Sample Multiplier: 1

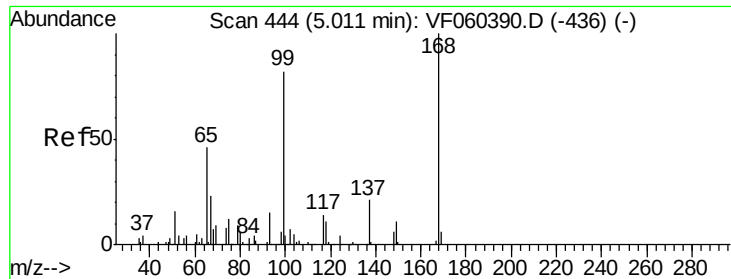
Instrument :
MSVOA_F
ClientSampleId :
B-11(12-12.5)

Quant Time: Oct 06 05:32:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

B-11(12-12.5)

Tot Ion:168 Resp: 184600

Ion Ratio Lower Upper

168 100

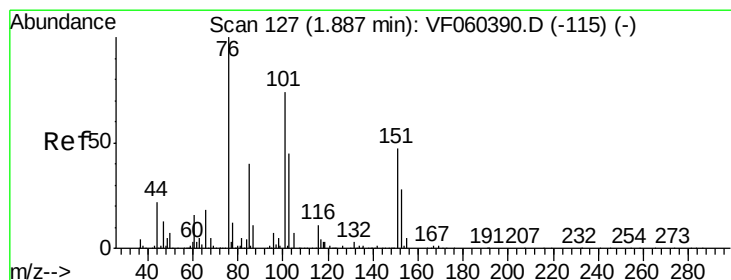
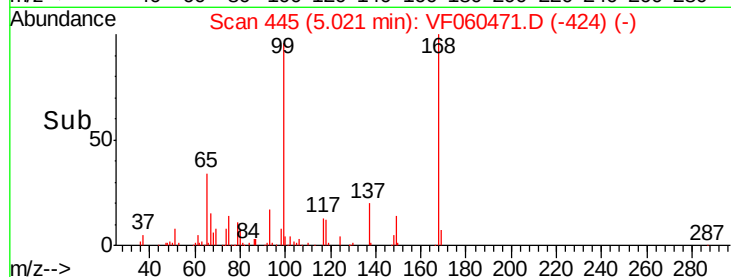
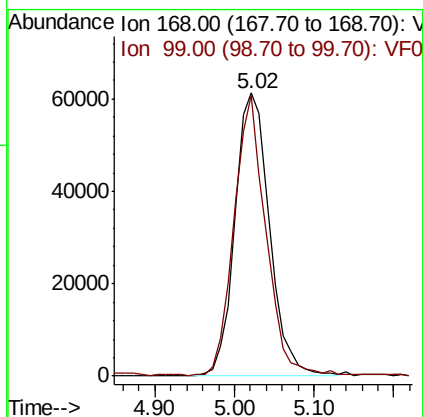
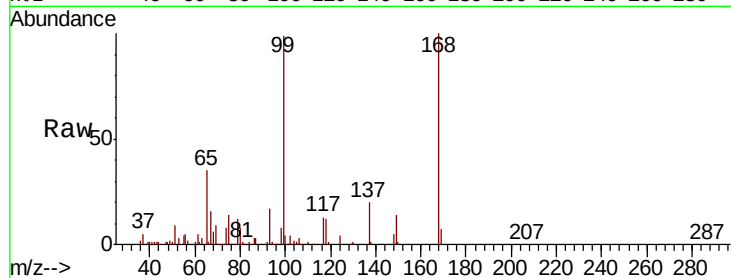
99 99.4 65.3 97.9#

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#17

Carbon Disulfide

Concen: 4.353 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060471.D

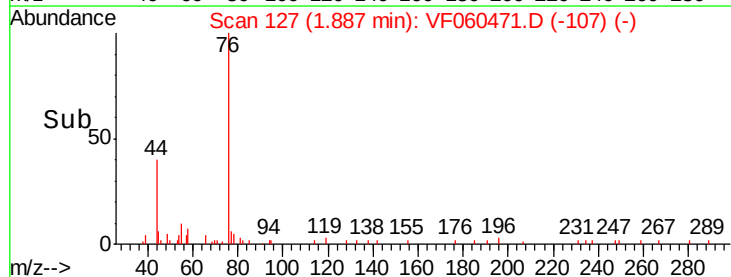
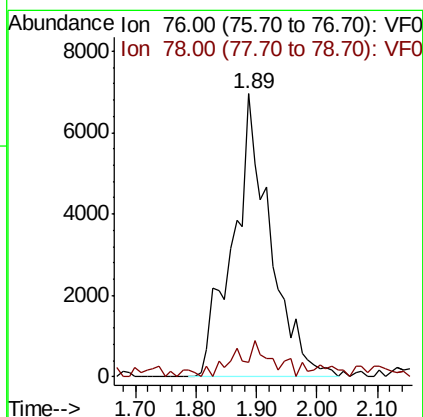
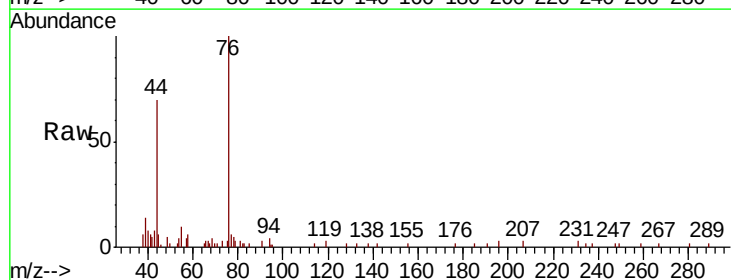
Acq: 5 Oct 2018 22:51

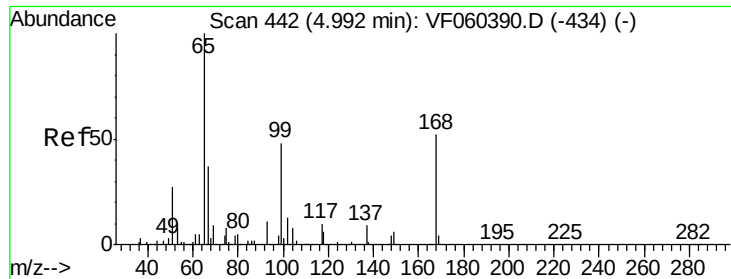
Tgt Ion: 76 Resp: 29517

Ion Ratio Lower Upper

76 100

78 5.2 10.1 15.1#





#33

1,2-Dichloroethane-d4

Concen: 46.274 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

B-11(12-12.5)

Tot Ion: 65 Resp: 133665

Ion Ratio Lower Upper

65 100

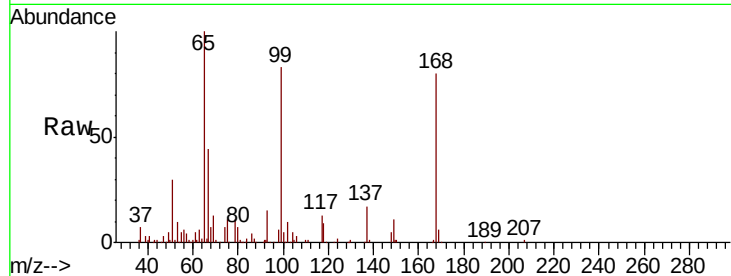
67 44.5 0.0 89.4

Manual Integrations

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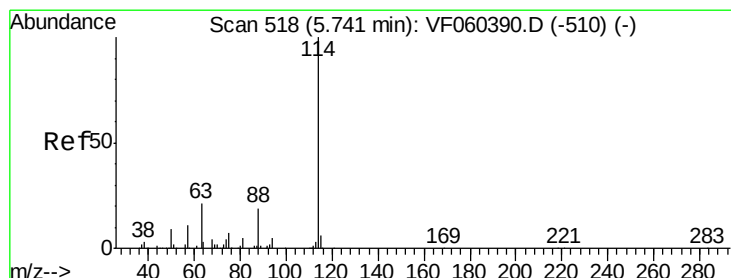
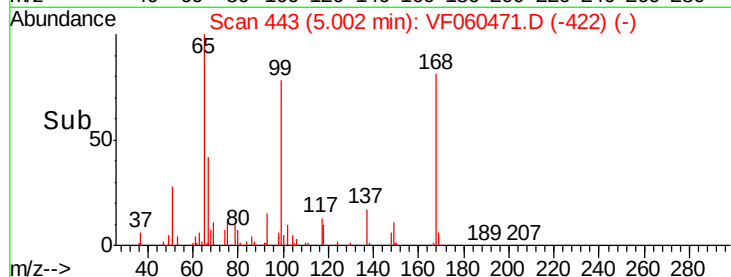
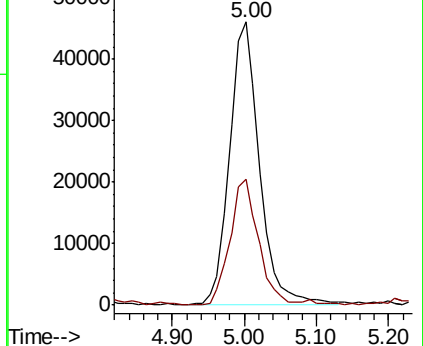
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. 0.00 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

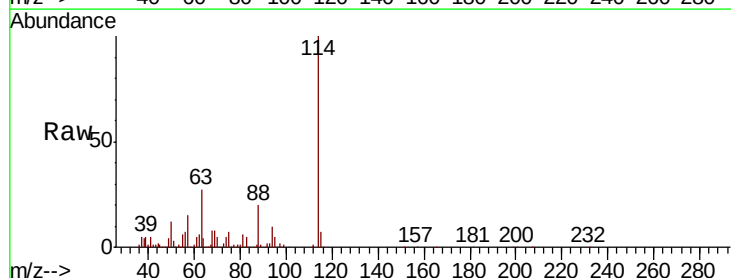
Tgt Ion: 114 Resp: 282422

Ion Ratio Lower Upper

114 100

63 26.6 0.0 42.2

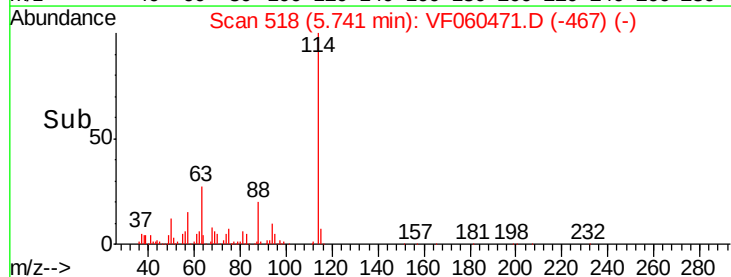
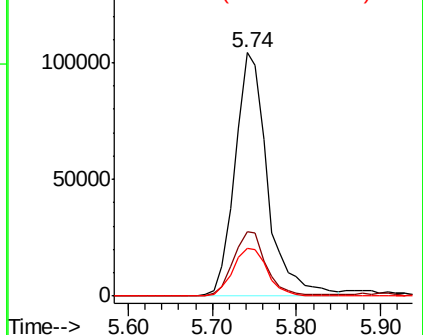
88 19.7 0.0 38.8

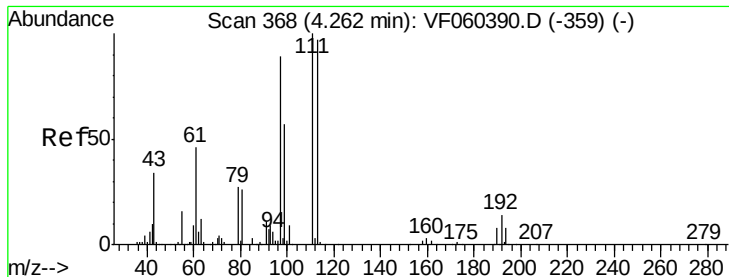


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 40.301 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

Instrument :

MSVOA_F

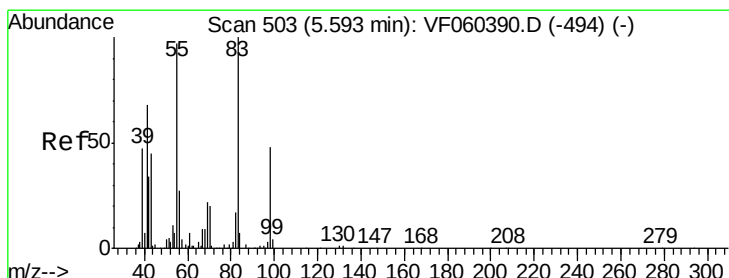
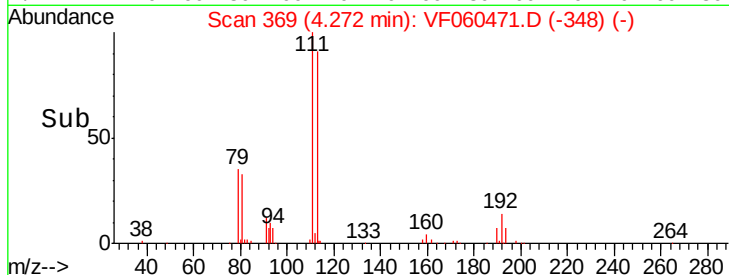
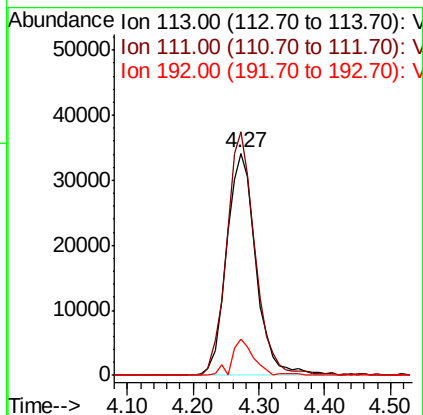
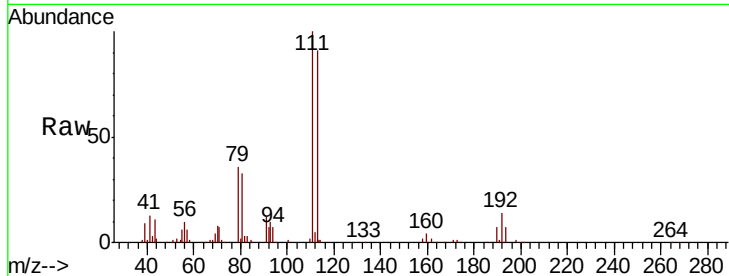
ClientSampleId :

B-11(12-12.5)

Tot Ion:	113	Resp:	106925
Ion Ratio	Lower	Upper	
113	100		
111	108.9	82.3	123.5
192	16.0	11.8	17.6

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#39

Methylcyclohexane

Concen: 19.547 ug/l

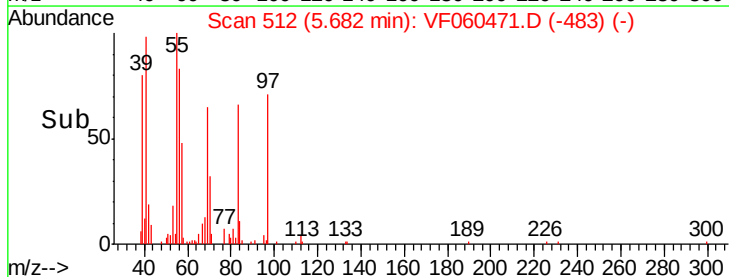
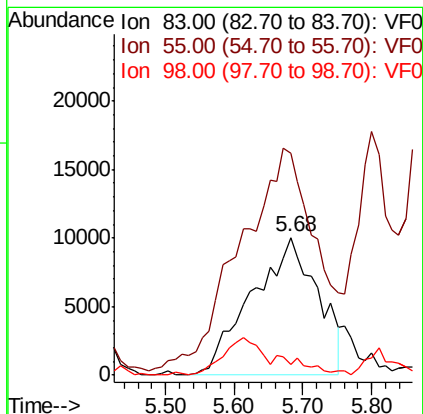
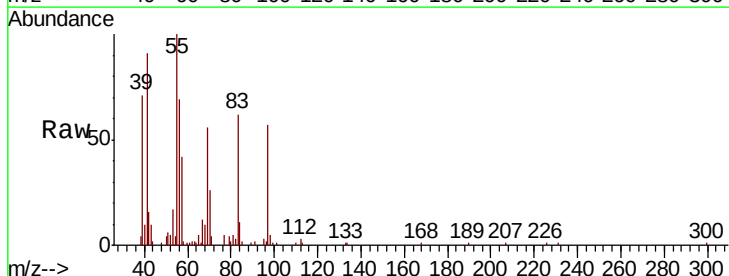
RT: 5.68 min Scan# 512

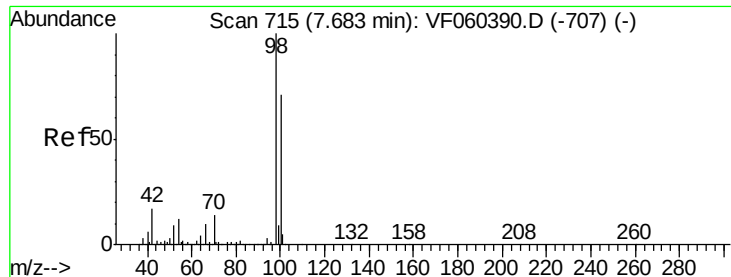
Delta R.T. 0.09 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

Tgt Ion:	83	Resp:	66727
Ion Ratio	Lower	Upper	
83	100		
55	160.7	77.5	116.3#
98	8.2	38.7	58.1#





#50

Toluene-d8

Concen: 37.715 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.01 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

B-11(12-12.5)

Tot Ion: 98 Resp: 246440

Ion Ratio Lower Upper

98 100

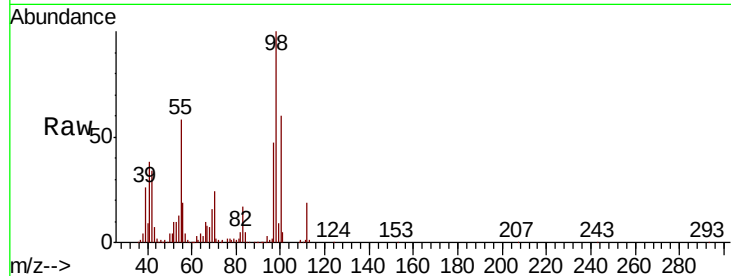
100 60.1 56.5 84.7

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.69

100000

80000

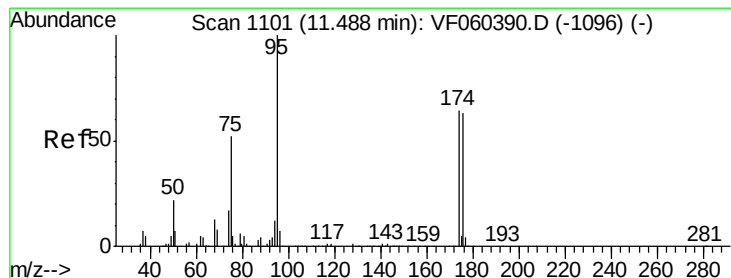
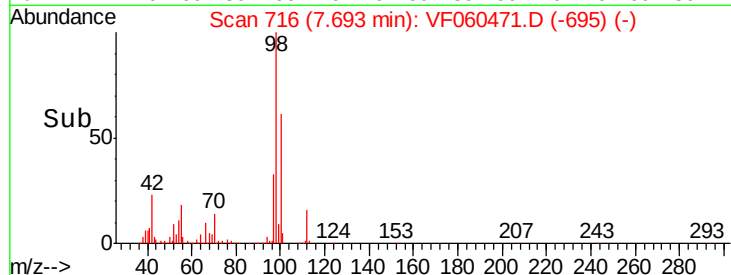
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#62

4-Bromofluorobenzene

Concen: 84.403 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

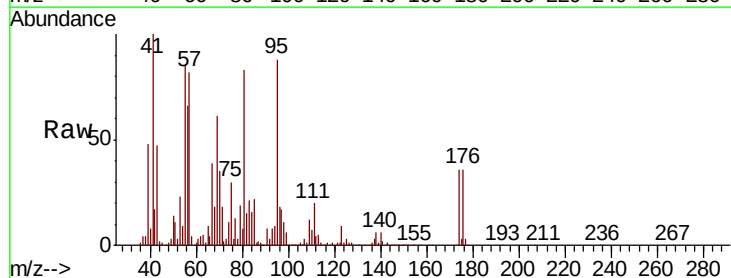
Tgt Ion: 95 Resp: 251816

Ion Ratio Lower Upper

95 100

174 40.7 0.0 129.0

176 40.8 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

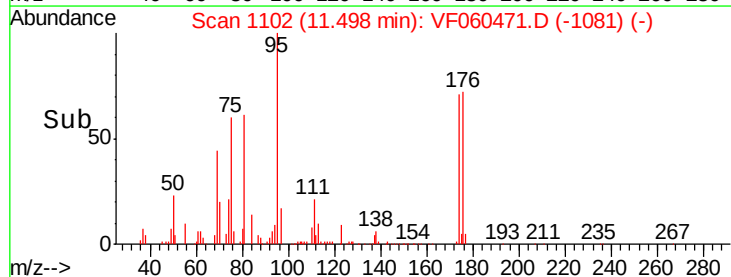
150000

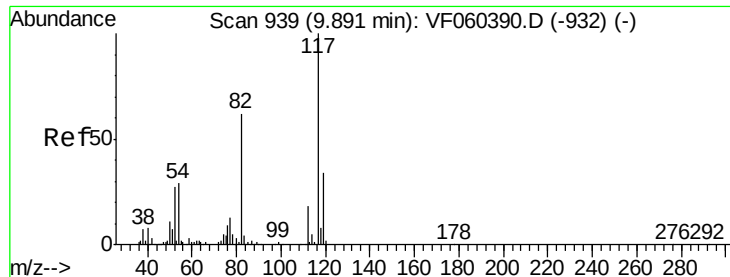
100000

50000

0

Time--> 11.40 11.45 11.50 11.55





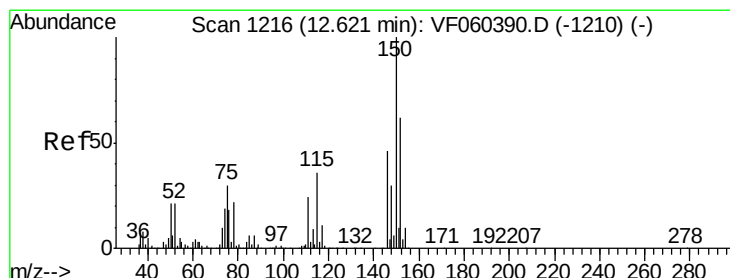
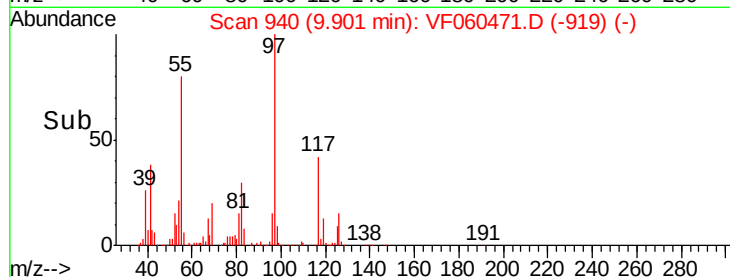
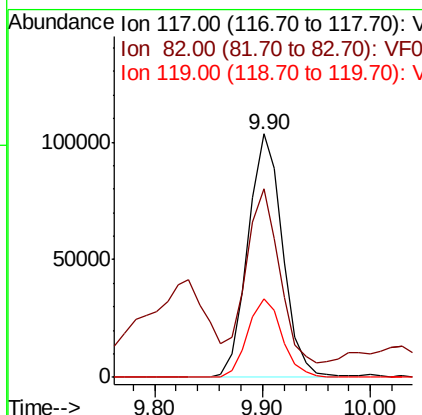
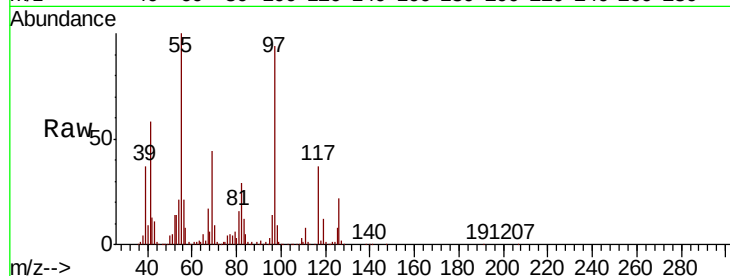
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060471.D
Acq: 5 Oct 2018 22:51

Instrument :
MSVOA_F
ClientSampleId :
B-11(12-12.5)

Tot Ion	Ratio	Lower	Upper
117	100		
82	77.6	49.5	74.3#
119	32.3	27.0	40.6

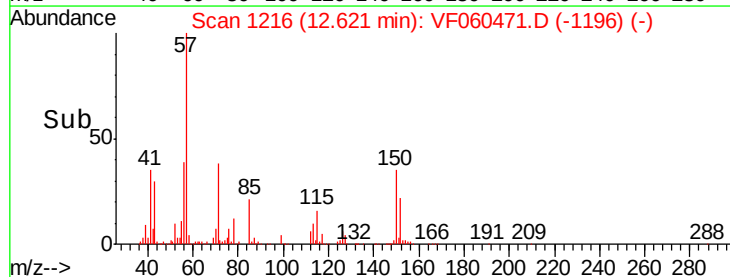
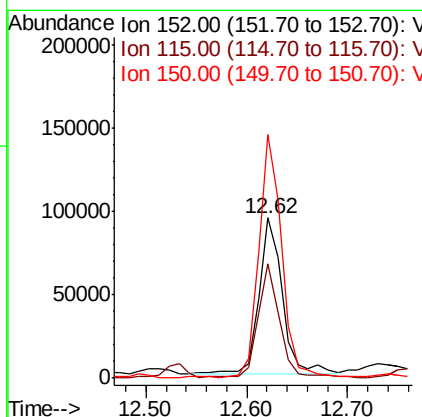
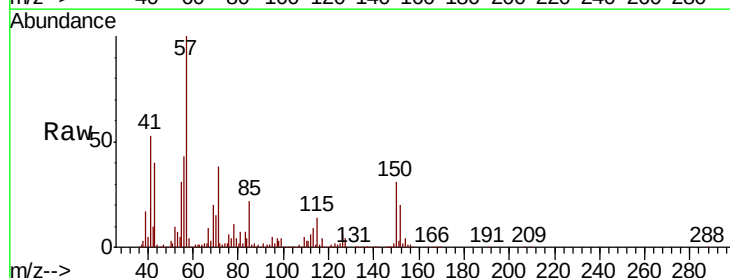
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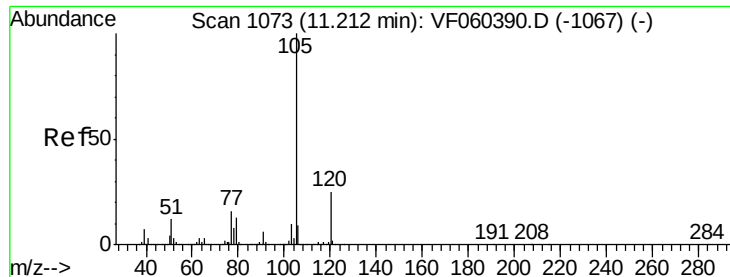
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VF060471.D
Acq: 5 Oct 2018 22:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.0	28.6	85.8
150	151.9	0.0	324.6





#73

Isopropylbenzene

Concen: 10.038 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

B-11(12-12.5)

Tot Ion:105 Resp: 121400

Ion Ratio Lower Upper

105 100

120 19.5

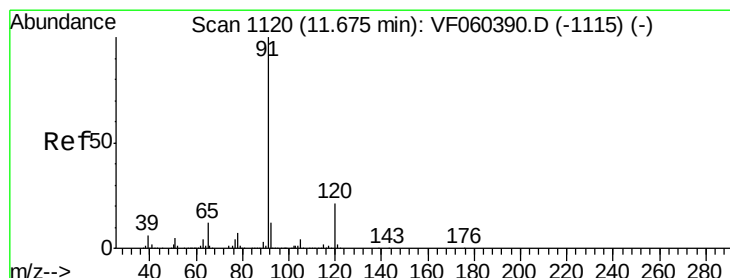
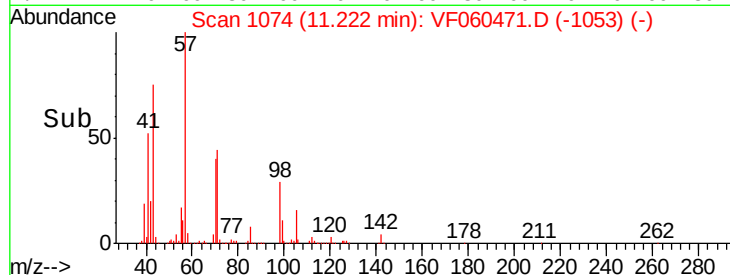
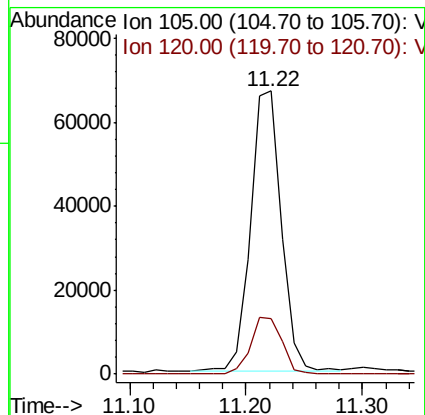
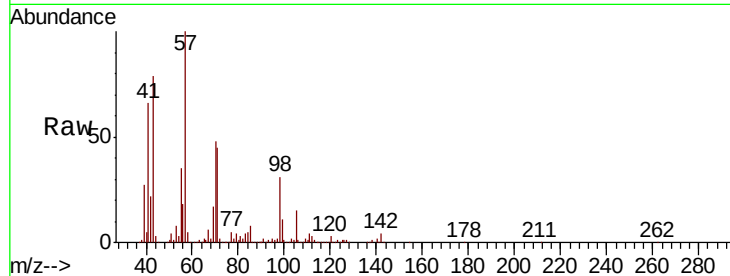
12.3

36.9

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#78

n-propylbenzene

Concen: 48.209 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

Tgt Ion: 91 Resp: 706802

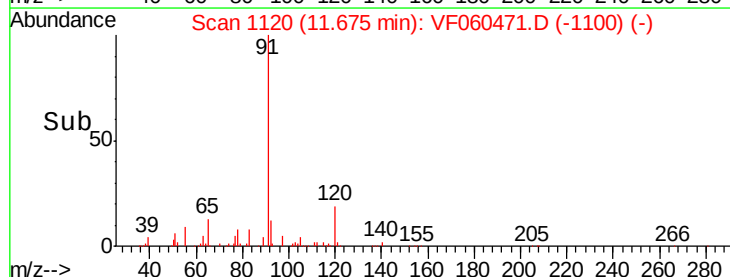
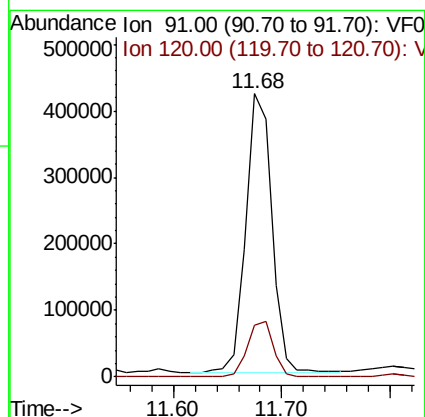
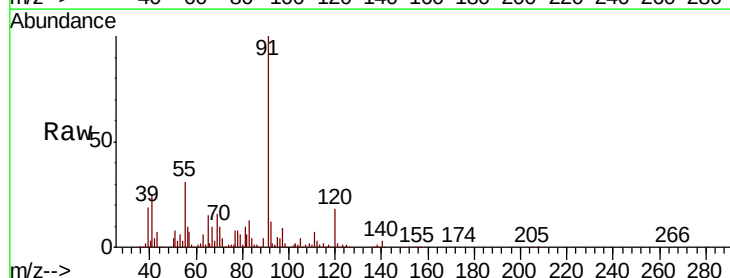
Ion Ratio Lower Upper

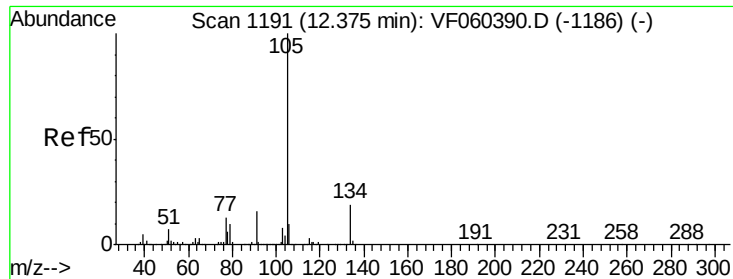
91 100

120 18.3

10.5

31.6





#85

sec-Butylbenzene

Concen: 44.535 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

B-11(12-12.5)

Tot Ion: 105 Resp: 622981

Ion Ratio Lower Upper

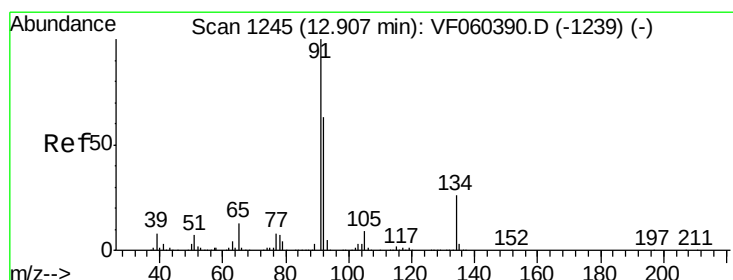
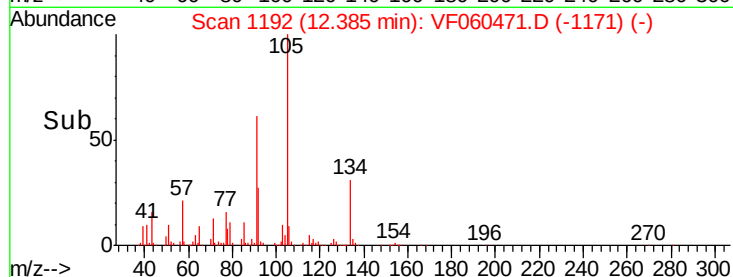
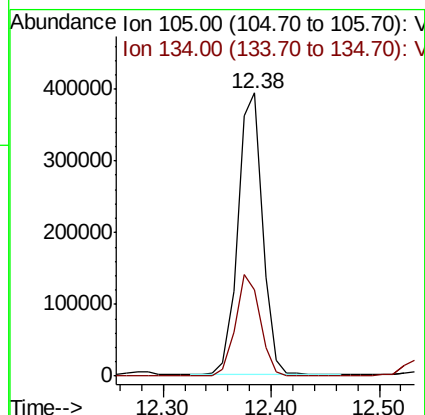
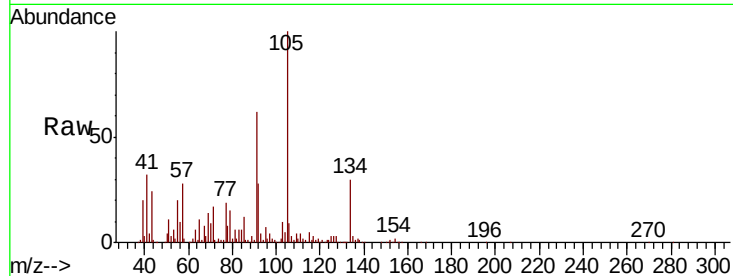
105 100

134 30.4 9.4 28.3#

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#89

n-Butylbenzene

Concen: 88.406 ug/l m

RT: 12.92 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VF060471.D

Acq: 5 Oct 2018 22:51

Tgt Ion: 91 Resp: 1069109

Ion Ratio Lower Upper

91 100

92 60.5 31.3 93.9

134 26.4 13.0 38.9

