

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060474.D
 Acq On : 6 Oct 2018 00:14
 Operator : VA/AP
 Sample : J5084-19
 Misc : 7.02/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-1A(12.5-13)

Manual Integrations
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 10/8/2018 9:43:51 AM

Quant Time: Oct 06 05:46:25 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	5.03	168	355826	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	630292	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	508240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	245448	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	177564	31.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.78%	
35) Dibromofluoromethane	4.28	113	188500	31.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	63.66%	
50) Toluene-d8	7.69	98	426755	29.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.52%	
62) 4-Bromofluorobenzene	11.49	95	184504	27.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.42%	
Target Compounds						
					Qvalue	
31) Cyclohexane	3.89	56	21869	3.588	ug/l #	61
39) Methylcyclohexane	5.61	83	22053	2.895	ug/l #	87
40) Benzene	4.79	78	141538	9.175	ug/l	97
52) Toluene	7.76	92	953950	91.041	ug/l	93
67) Ethyl Benzene	10.02	91	768061	38.691	ug/l	98
68) m/p-Xylenes	10.25	106	1139098	166.924	ug/l	83
69) o-Xylene	10.81	106	618508	83.152	ug/l	93
73) Isopropylbenzene	11.22	105	77887	4.030	ug/l	96
78) n-propylbenzene	11.67	91	242244	10.340	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	549027	33.437	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	1831309	112.463	ug/l	95
85) sec-Butylbenzene	12.38	105	36170m	1.618	ug/l	
89) n-Butylbenzene	12.90	91	131982	6.830	ug/l #	52
95) Naphthalene	14.51	128	588090	56.498	ug/l	100

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

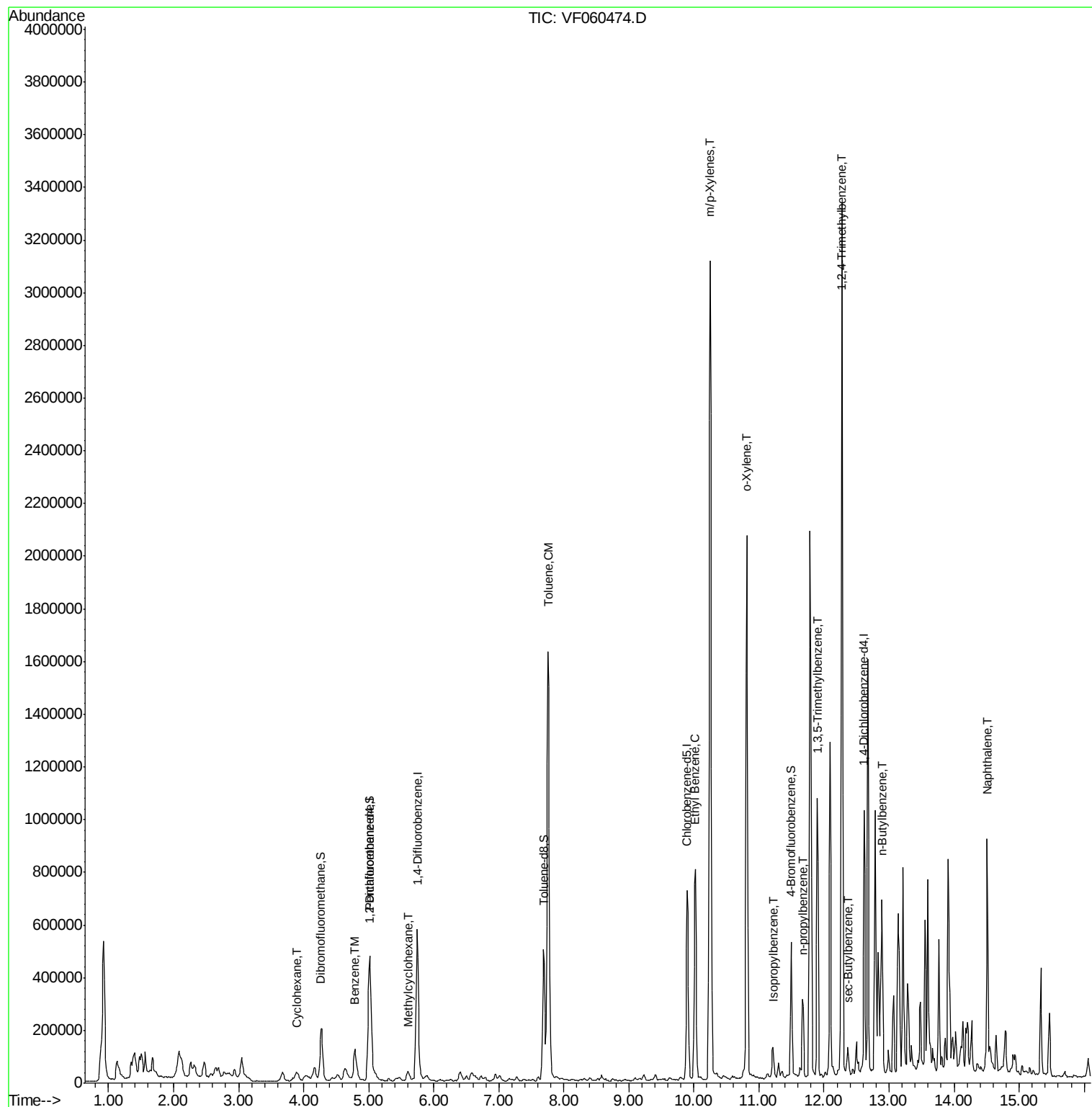
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

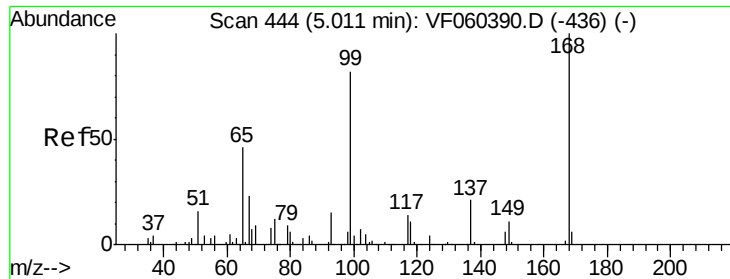
Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

Manual Integrations
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Quant Time: Oct 06 05:46:25 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)

Tot Ion:168 Resp: 355826

Ion Ratio Lower Upper

168 100

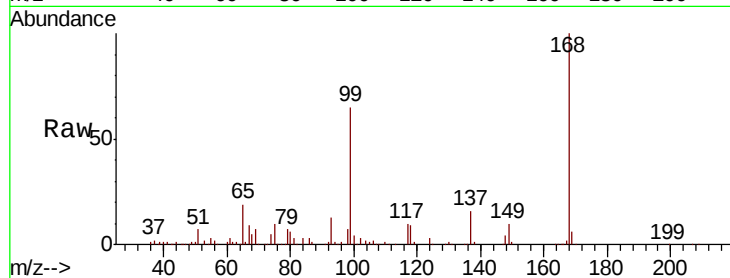
99 65.2 65.3 97.9#

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

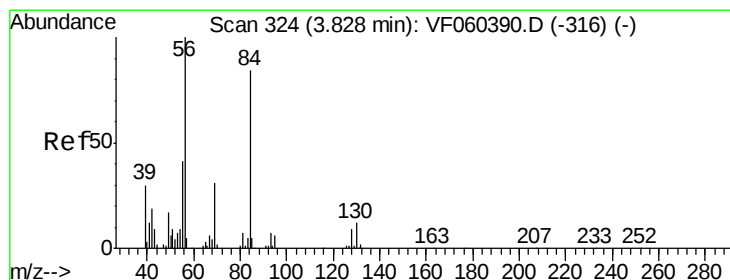
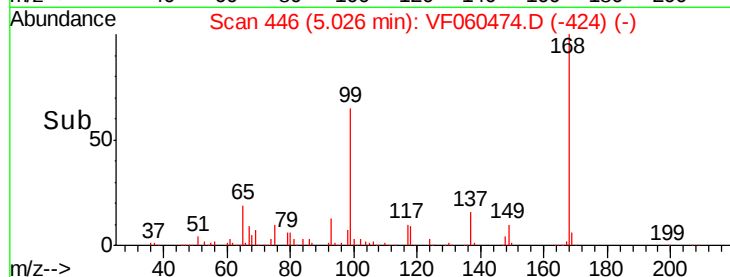
5.03

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 3.588 ug/l

RT: 3.89 min Scan# 331

Delta R.T. 0.06 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

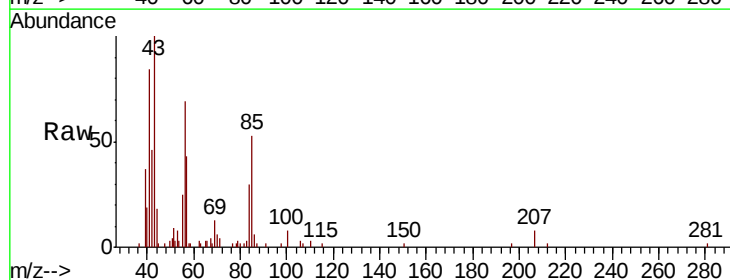
Tgt Ion: 56 Resp: 21869

Ion Ratio Lower Upper

56 100

69 19.5 25.5 38.3#

84 43.4 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

3.89

6000

5000

4000

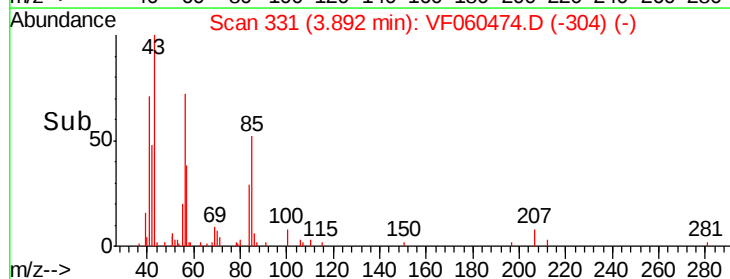
3000

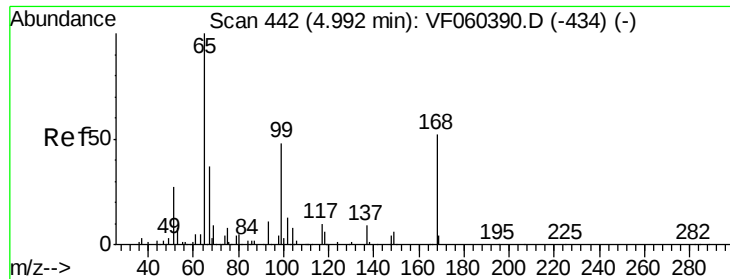
2000

1000

0

Time-->





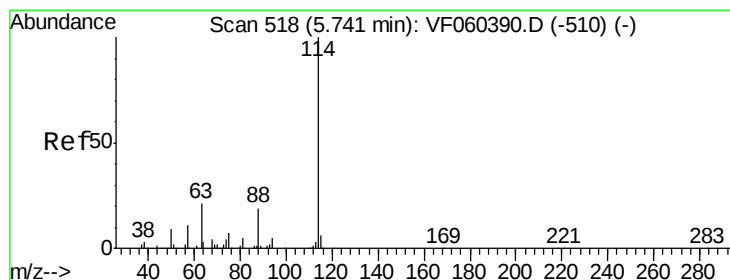
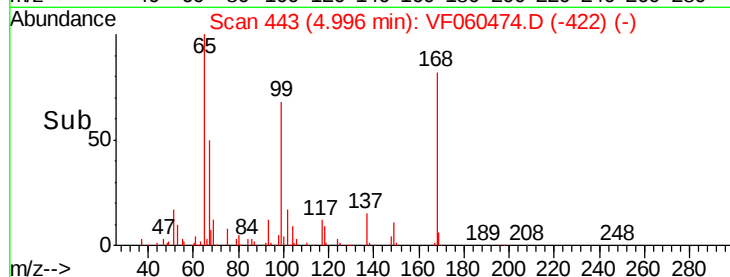
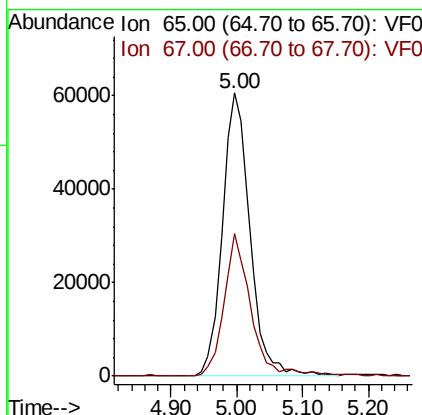
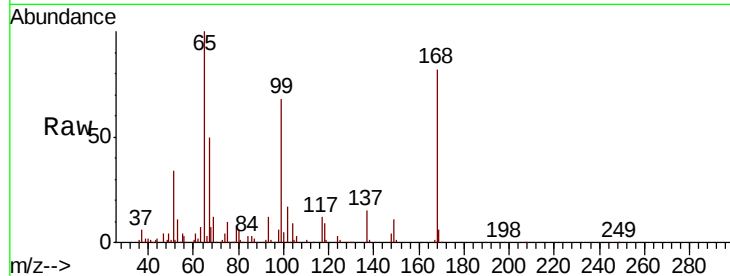
#33
 1,2-Dichloroethane-d4
 Concen: 31.891 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060474.D
 Acq: 6 Oct 2018 00:14

Instrument :
 MSVOA_F
 ClientSampleId :
 B-1A(12.5-13)

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	89.4

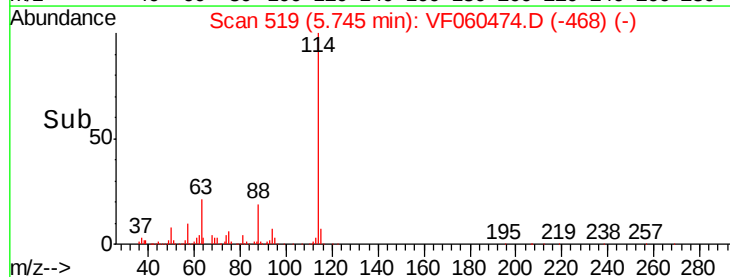
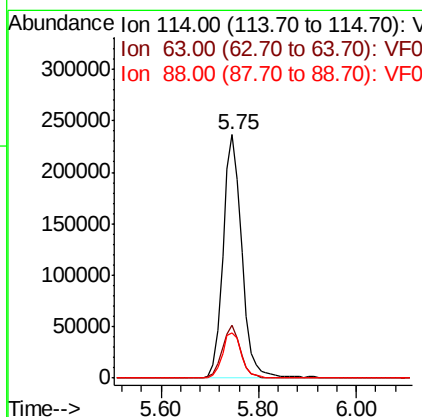
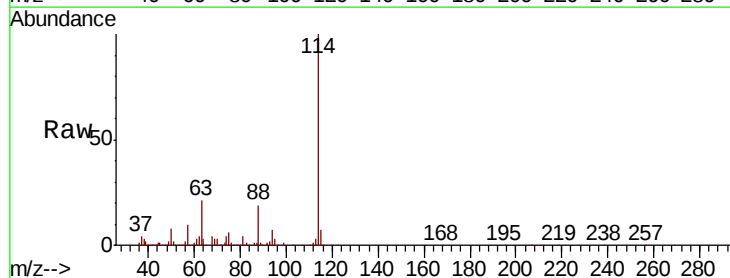
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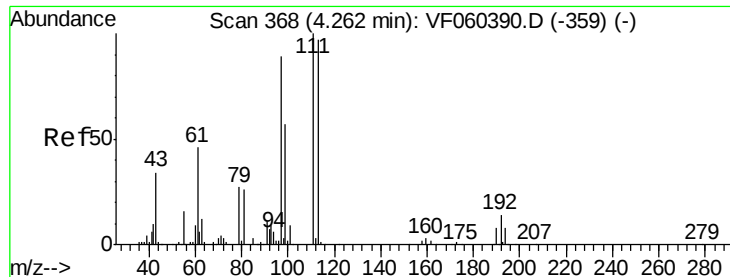
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060474.D
 Acq: 6 Oct 2018 00:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.2
88	18.8	0.0	38.8





#35

Dibromofluoromethane

Concen: 31.835 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

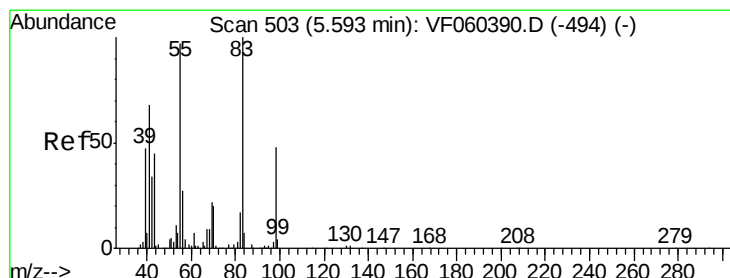
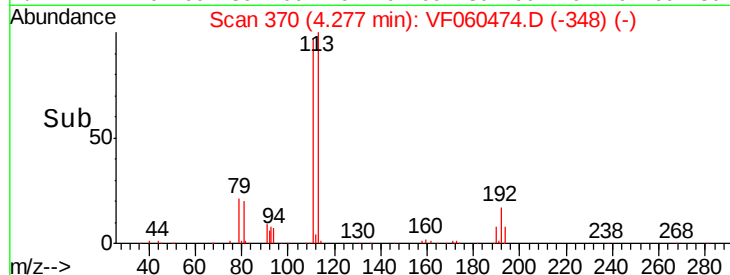
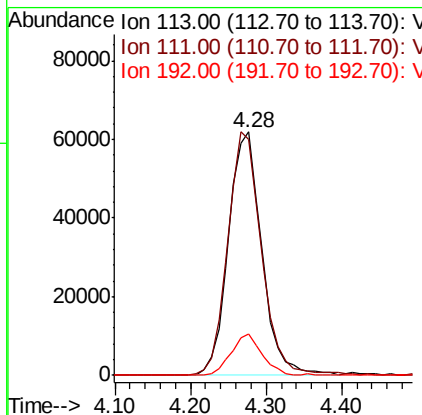
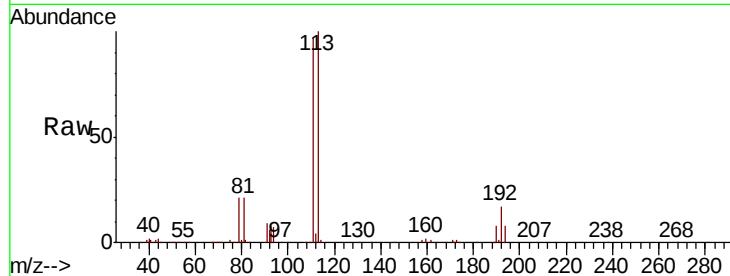
ClientSampleId :

B-1A(12.5-13)

Tot Ion:	113	Resp:	188500
Ion Ratio	Lower	Upper	
113	100		
111	97.1	82.3	123.5
192	17.0	11.8	17.6

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#39

Methylcyclohexane

Concen: 2.895 ug/l

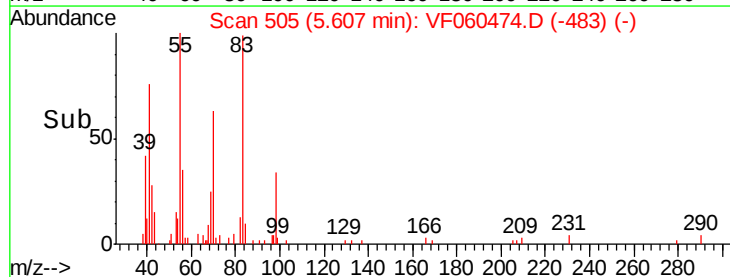
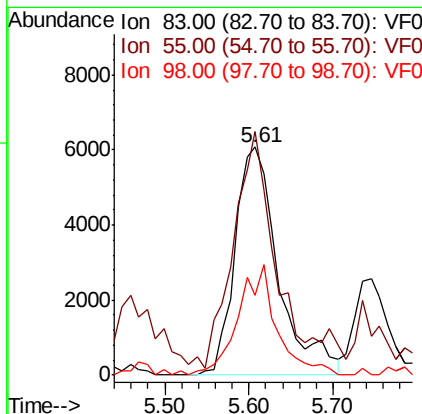
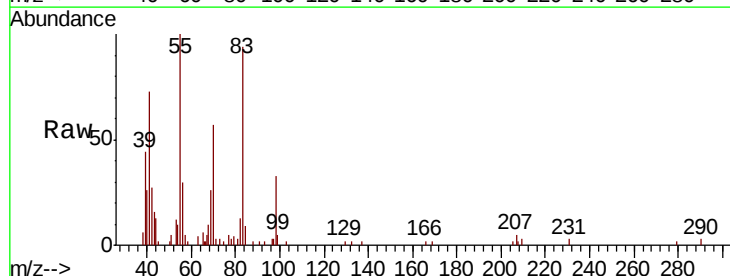
RT: 5.61 min Scan# 505

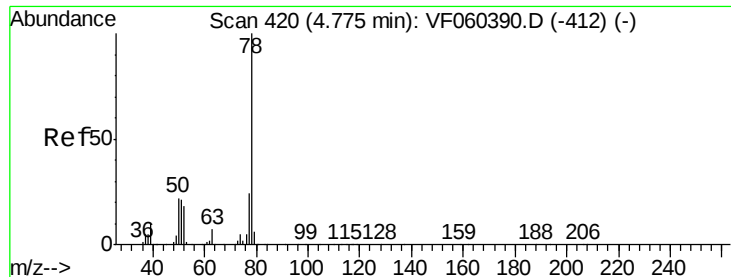
Delta R.T. 0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Tgt Ion:	83	Resp:	22053
Ion Ratio	Lower	Upper	
83	100		
55	106.9	77.5	116.3
98	35.0	38.7	58.1#





#40

Benzene

Concen: 9.175 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)

Tot Ion: 78 Resp: 141538

Ion Ratio Lower Upper

78 100

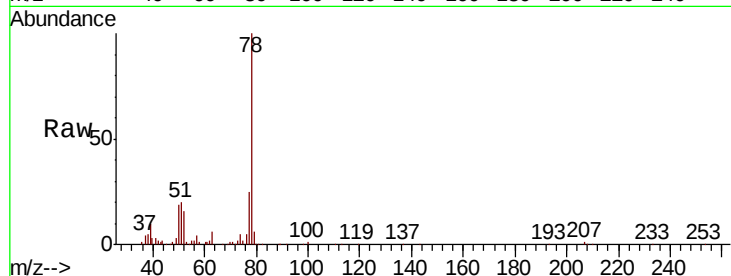
77 25.3 19.2 28.8

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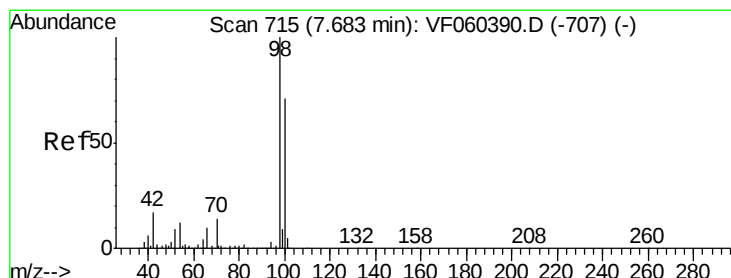
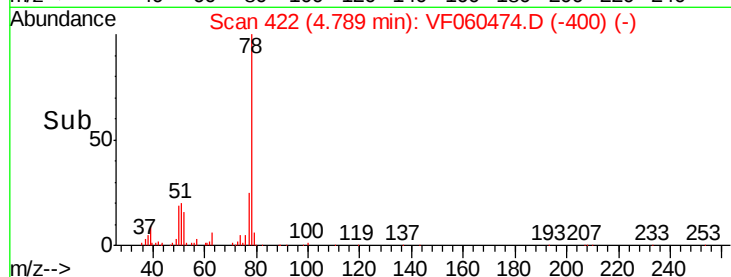
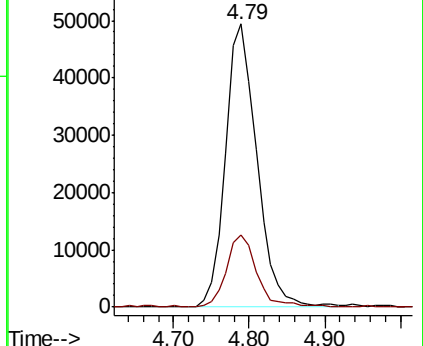
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Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#50

Toluene-d8

Concen: 29.264 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060474.D

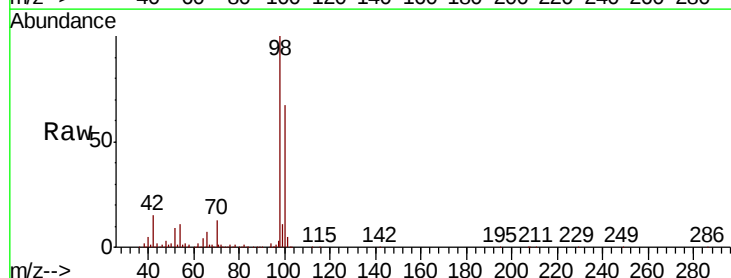
Acq: 6 Oct 2018 00:14

Tgt Ion: 98 Resp: 426755

Ion Ratio Lower Upper

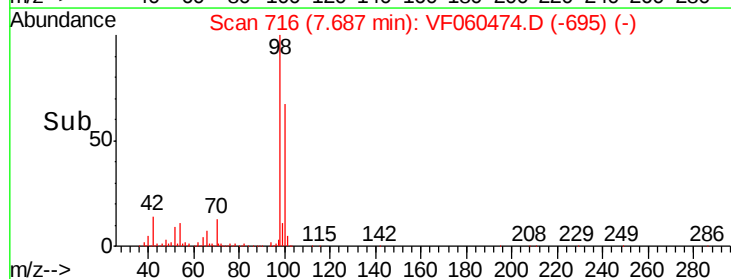
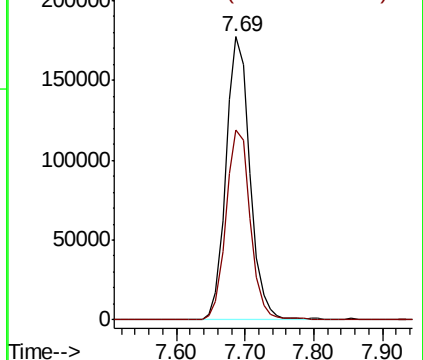
98 100

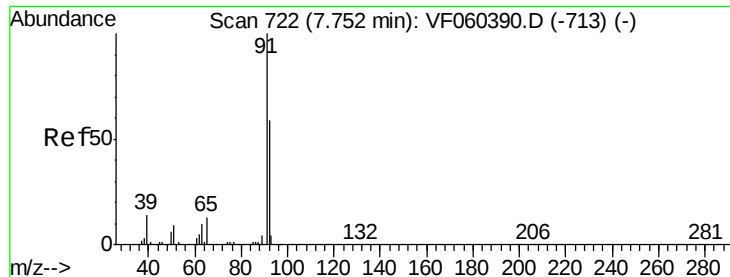
100 67.2 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 91.041 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)

Tot Ion: 92 Resp: 953950

Ion Ratio Lower Upper

92 100

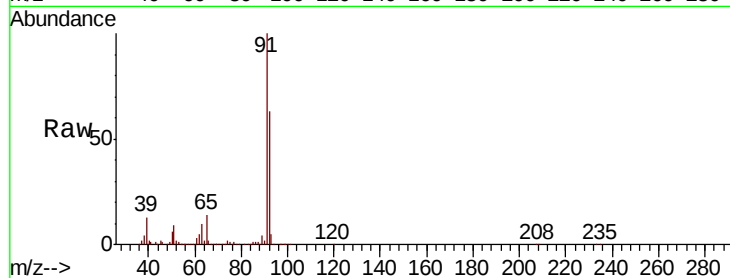
91 159.0 135.4 203.0

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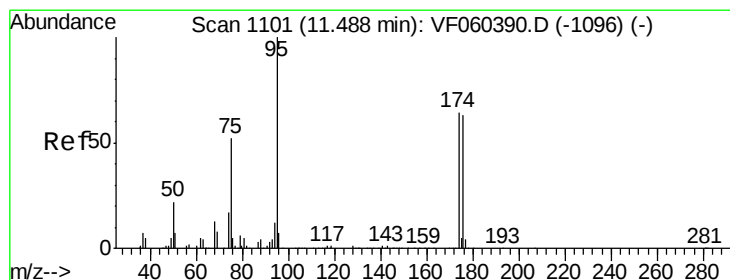
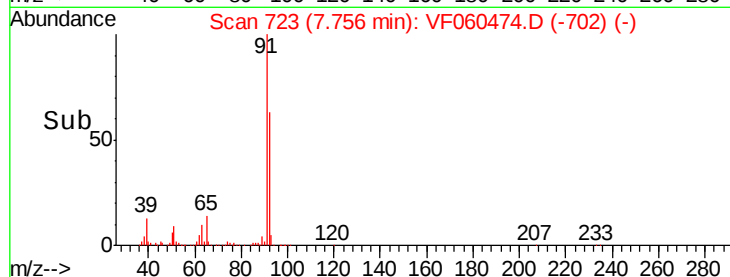
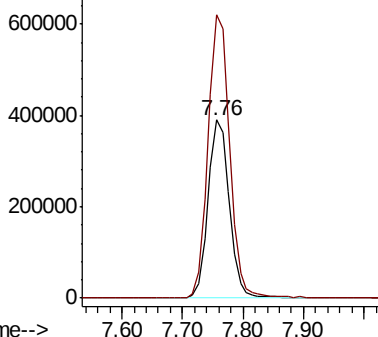
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 27.710 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

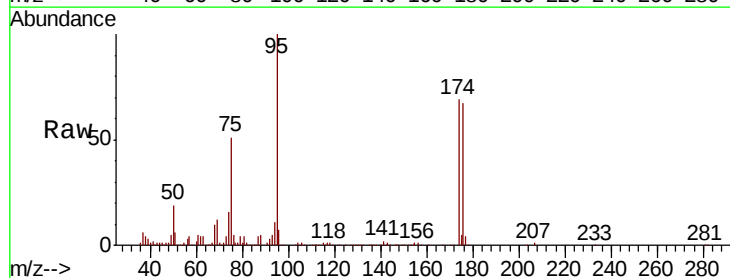
Tgt Ion: 95 Resp: 184504

Ion Ratio Lower Upper

95 100

174 68.9 0.0 129.0

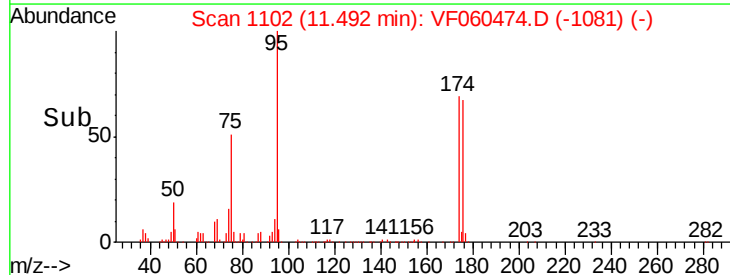
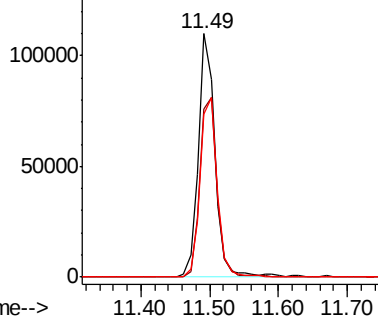
176 67.2 0.0 125.6

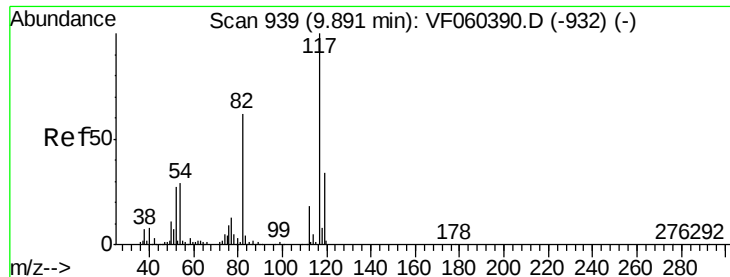


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





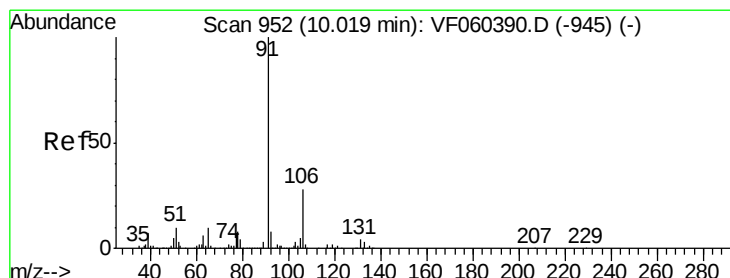
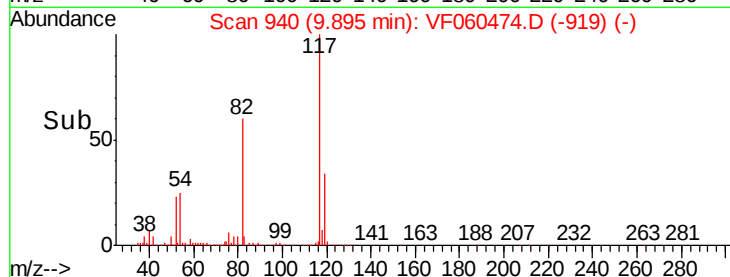
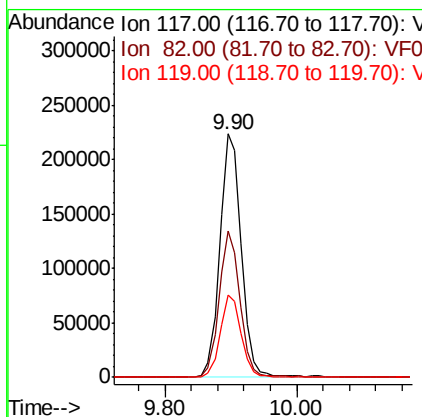
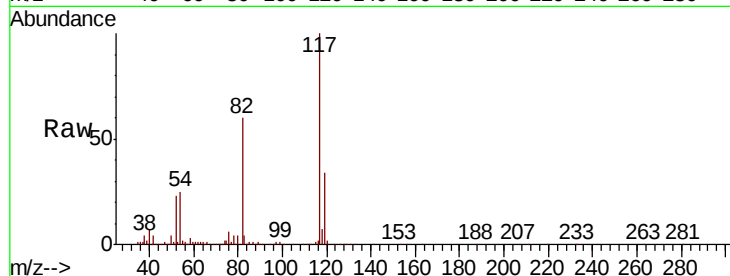
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	49.5	74.3
119	33.7	27.0	40.6

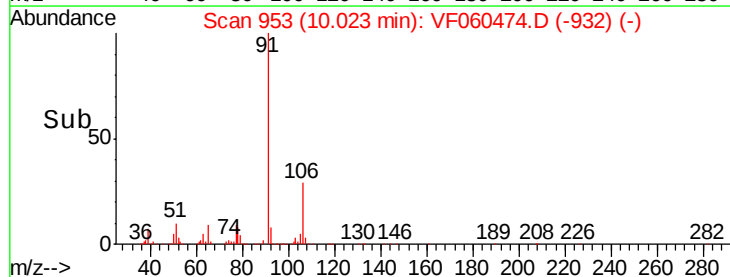
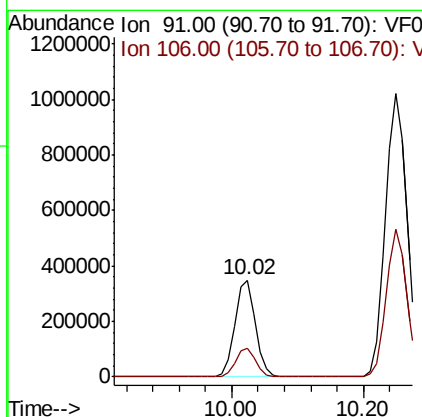
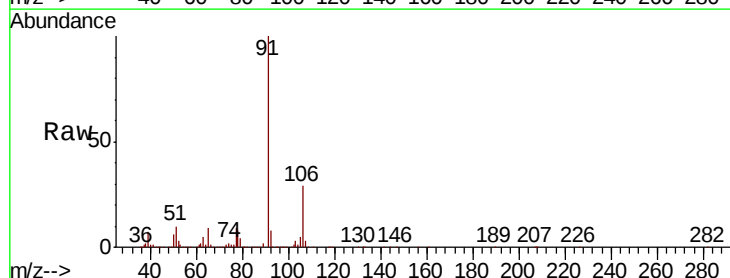
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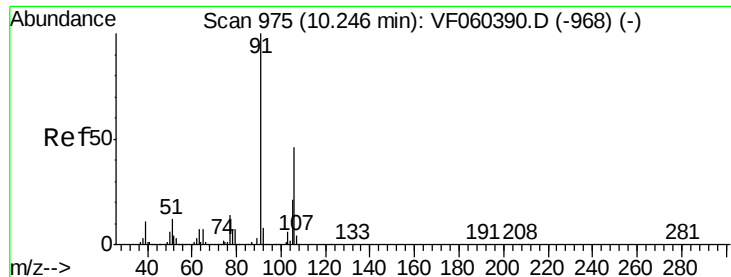
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#67
Ethyl Benzene
Concen: 38.691 ug/l
RT: 10.02 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.4	22.5	33.7





#68

m/p-Xylenes

Concen: 166.924 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.00 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)

Tot Ion:106 Resp: 1139098

Ion Ratio Lower Upper

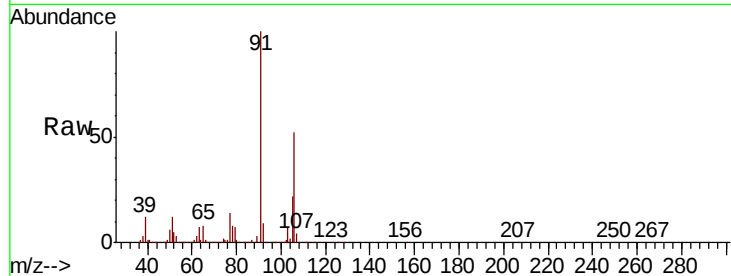
106 100

91 192.3 175.0 262.6

Manual Integrations
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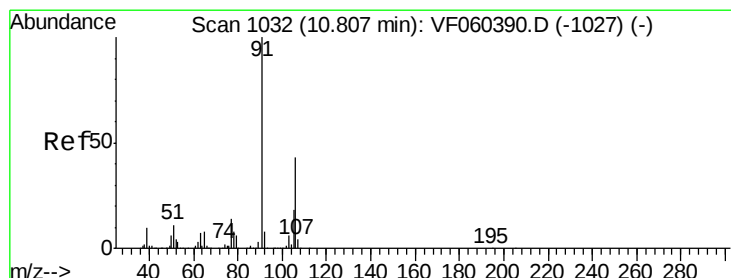
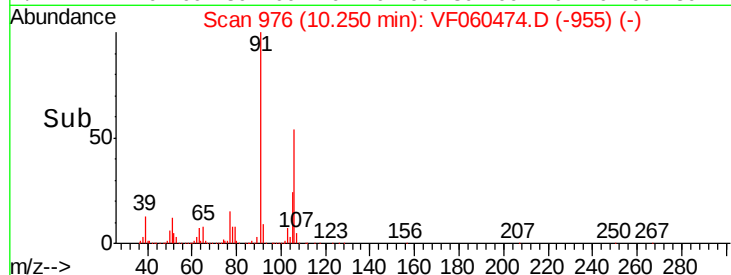
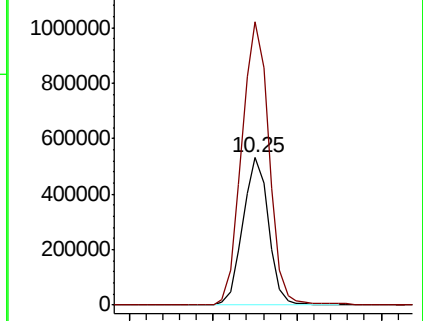
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 83.152 ug/l

RT: 10.81 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VF060474.D

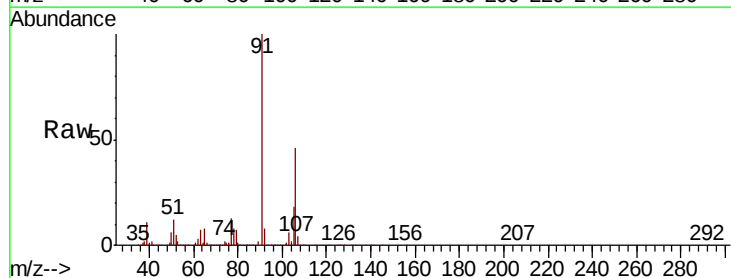
Acq: 6 Oct 2018 00:14

Tgt Ion:106 Resp: 618508

Ion Ratio Lower Upper

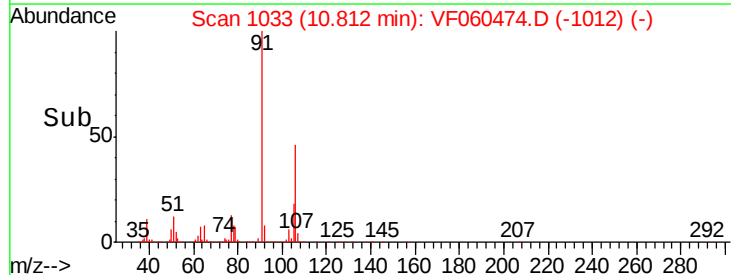
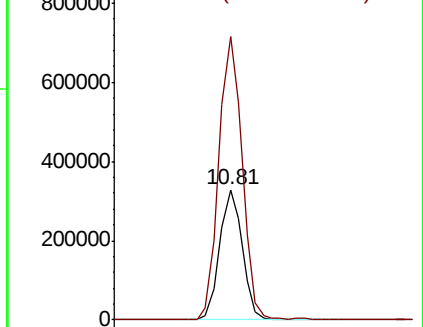
106 100

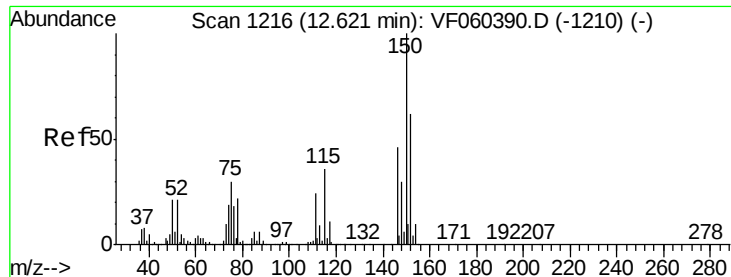
91 218.1 115.1 345.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

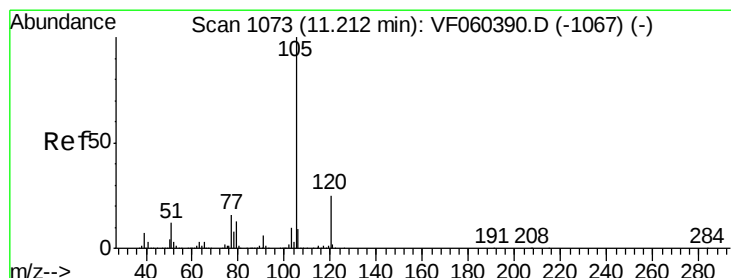
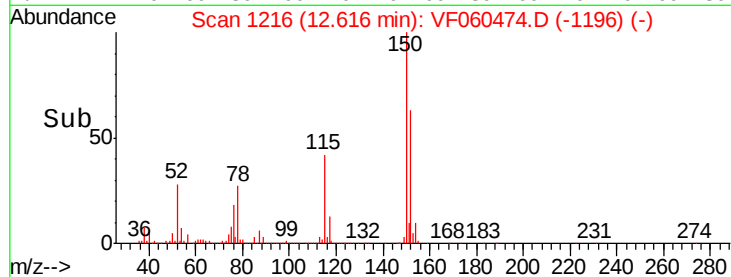
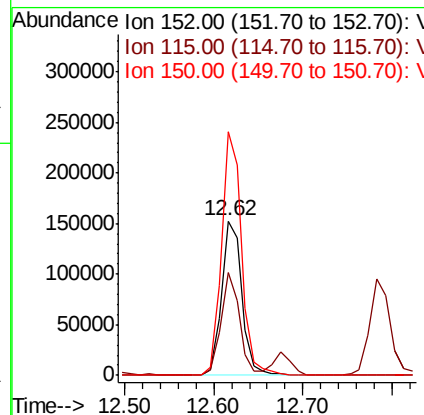
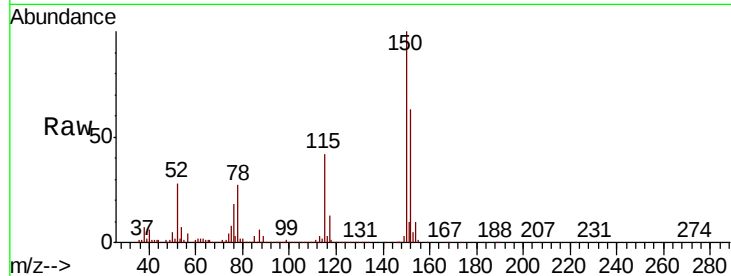
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

Tot Ion	Ratio	Lower	Upper
152	100		
115	66.4	28.6	85.8
150	157.5	0.0	324.6

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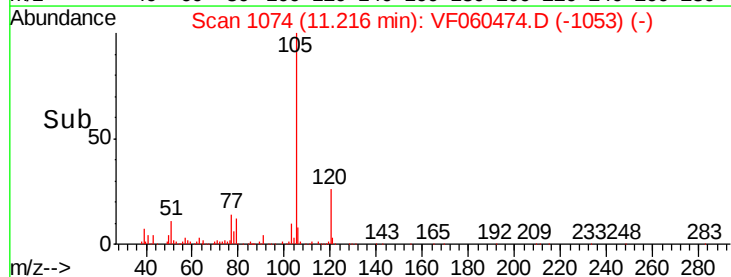
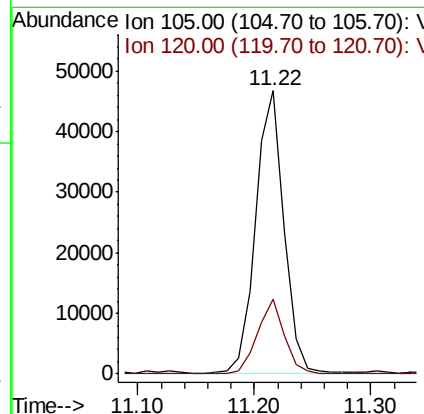
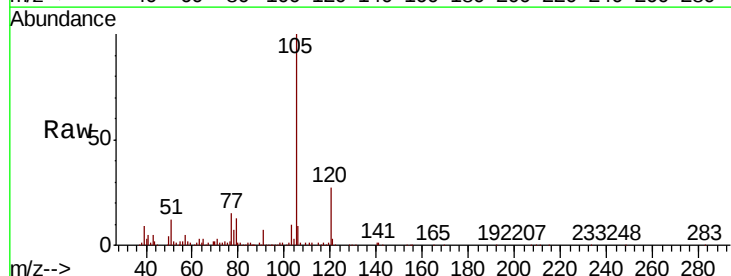
apatel
10/8/2018 9:43:51 AM

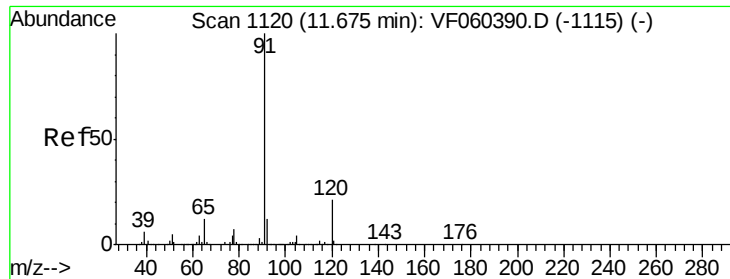


#73

Isopropylbenzene
Concen: 4.030 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.3	36.9





#78

n-propylbenzene

Concen: 10.340 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampled :

B-1A(12.5-13)

Tot Ion: 91 Resp: 242244

Ion Ratio Lower Upper

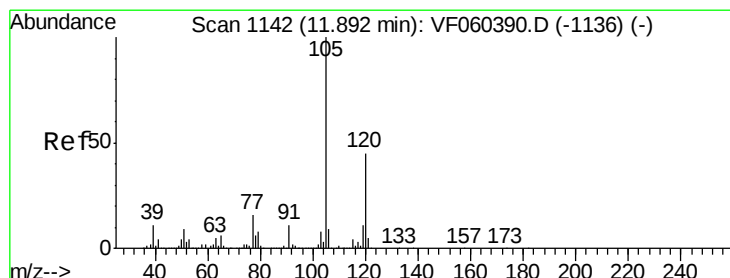
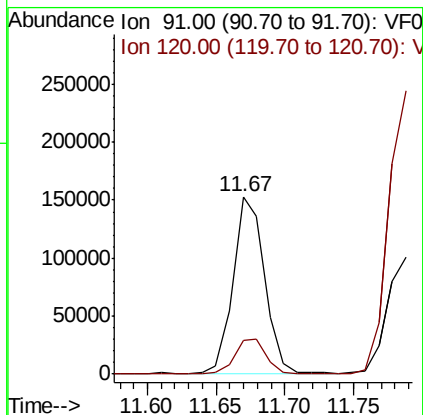
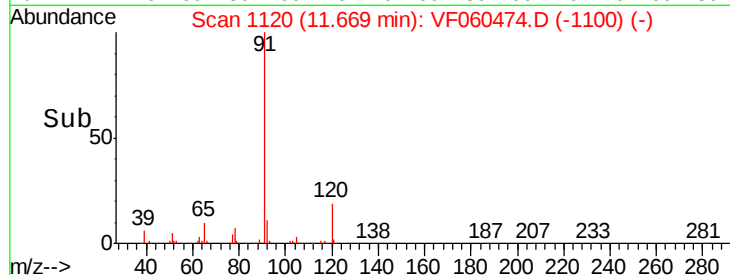
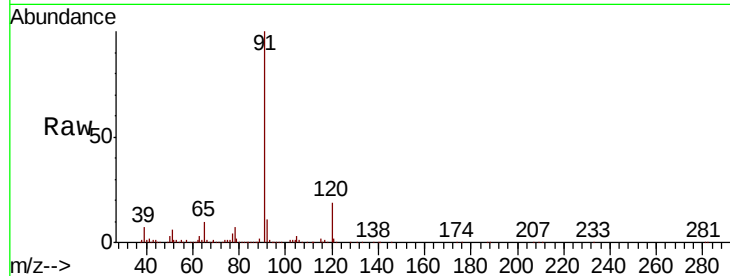
91 100

120 19.3 10.5 31.6

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#80

1,3,5-Trimethylbenzene

Concen: 33.437 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060474.D

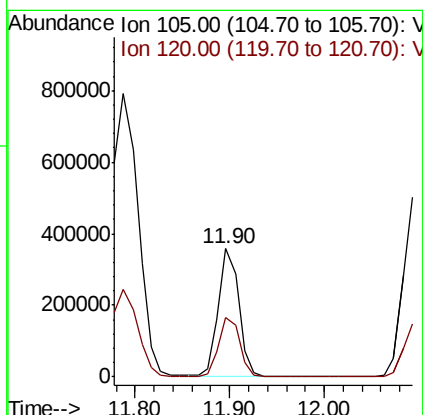
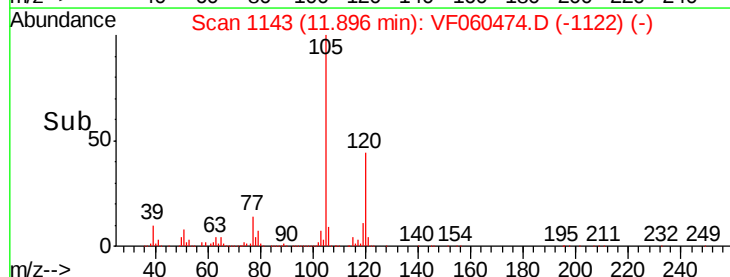
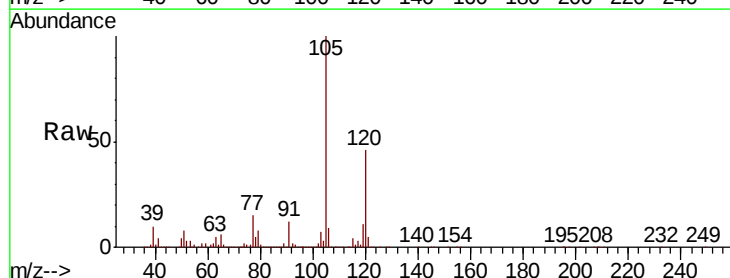
Acq: 6 Oct 2018 00:14

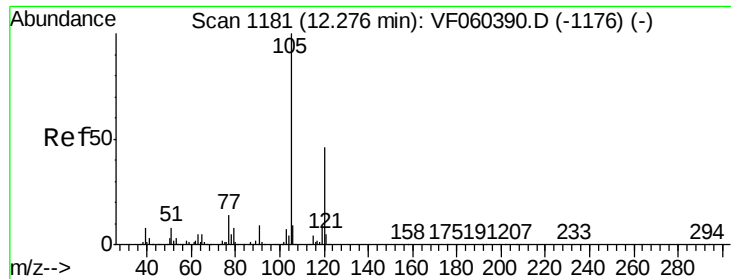
Tgt Ion: 105 Resp: 549027

Ion Ratio Lower Upper

105 100

120 46.5 22.3 66.9





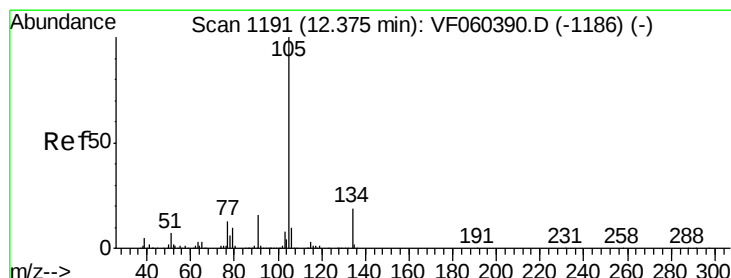
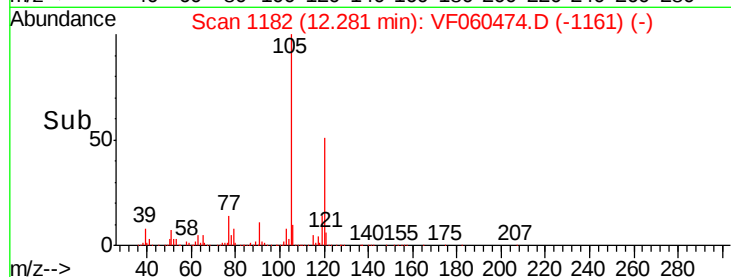
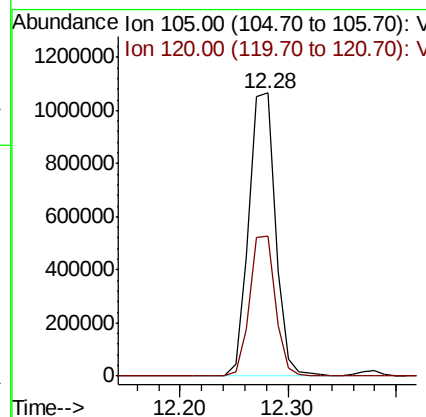
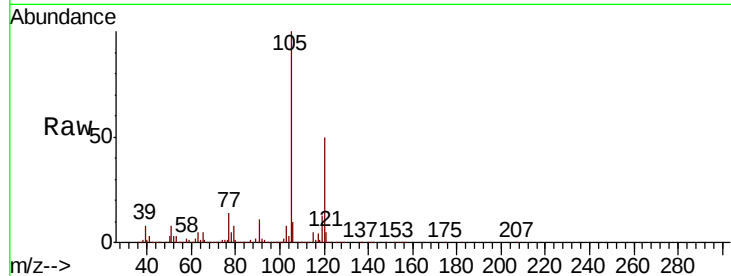
#84
 1,2,4-Trimethylbenzene
 Concen: 112.463 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060474.D
 Acq: 6 Oct 2018 00:14

Instrument :
 MSVOA_F
 ClientSampleId :
 B-1A(12.5-13)

Tot Ion:105 Resp: 1831309
 Ion Ratio Lower Upper
 105 100
 120 49.6 23.1 69.2

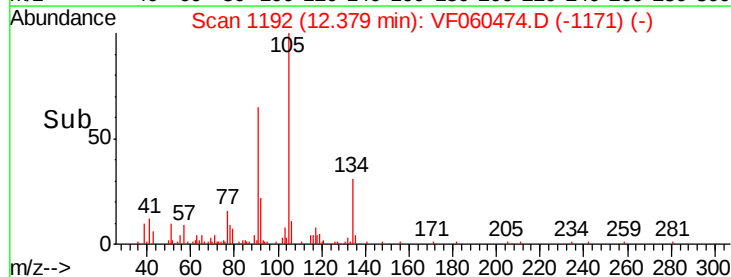
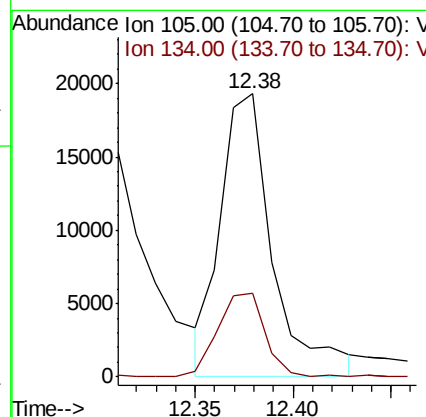
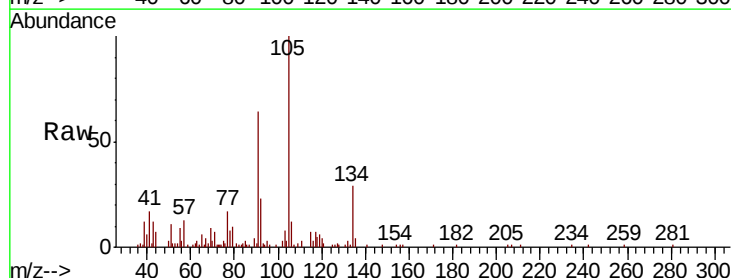
Manual Integrations
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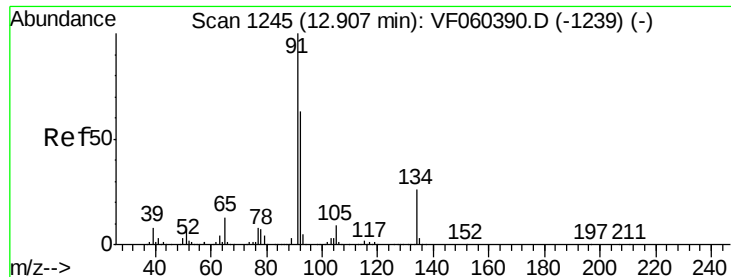
apatel
 10/8/2018 9:43:51 AM



#85
 sec-Butylbenzene
 Concen: 1.618 ug/l m
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060474.D
 Acq: 6 Oct 2018 00:14

Tgt Ion:105 Resp: 36170
 Ion Ratio Lower Upper
 105 100
 134 29.5 9.4 28.3#





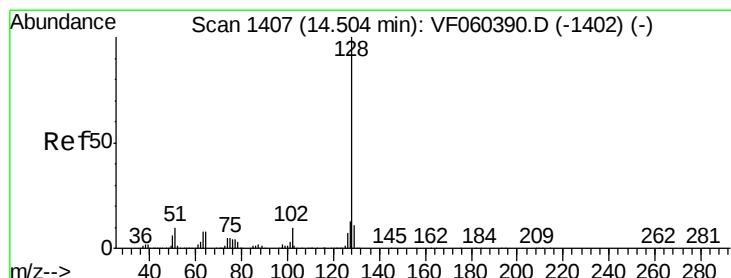
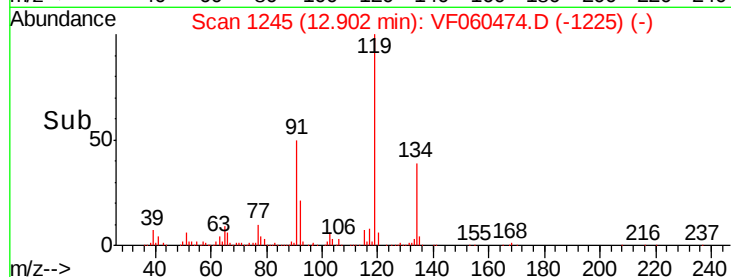
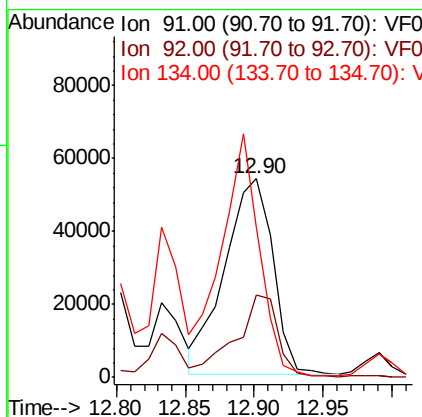
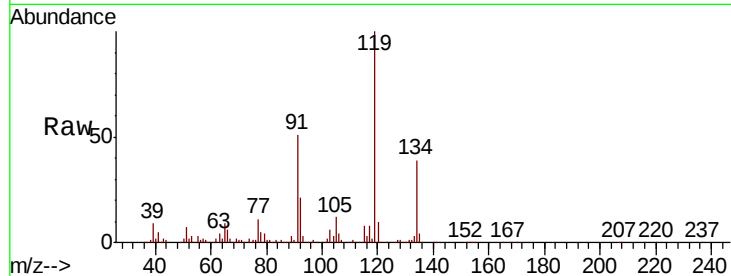
#89
n-Butylbenzene
Concen: 6.830 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

Tot Ion	Ratio	Lower	Upper
91	100		
92	41.5	31.3	93.9
134	75.4	13.0	38.9#

Manual Integrations
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#95
Naphthalene
Concen: 56.498 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	11.1	8.7	13.1

