

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
 Data File : VF060488.D
 Acq On : 8 Oct 2018 17:00
 Operator : VA/AP
 Sample : J5084-19RE
 Misc : 6.93/5mL/MSVOA_F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

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

Manual Integrations
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apatel
 10/9/2018 8:53:45 AM

Quant Time: Oct 09 02:21:49 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	5.01	168	321703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	557621	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	477143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	252145	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	171417	34.05	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	68.10%	
35) Dibromofluoromethane	4.26	113	182663	34.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.74%	
50) Toluene-d8	7.68	98	411475	31.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.78%	
62) 4-Bromofluorobenzene	11.48	95	194463	33.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.02%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	5.59	83	54408	8.073	ug/l	95
40) Benzene	4.77	78	208636	15.287	ug/l	98
52) Toluene	7.75	92	1090919	117.681	ug/l	90
67) Ethyl Benzene	10.00	91	761818	40.878	ug/l	97
68) m/p-Xylenes	10.24	106	1109759	173.223	ug/l	84
69) o-Xylene	10.80	106	606846	86.901	ug/l	90
73) Isopropylbenzene	11.21	105	76179	3.837	ug/l	100
78) n-propylbenzene	11.66	91	208557	8.665	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	472217	27.996	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1507193	90.100	ug/l	97
85) sec-Butylbenzene	12.37	105	32324m	1.408	ug/l	
89) n-Butylbenzene	12.89	91	87016	4.383	ug/l #	39
95) Naphthalene	14.50	128	323577	30.260	ug/l	98

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

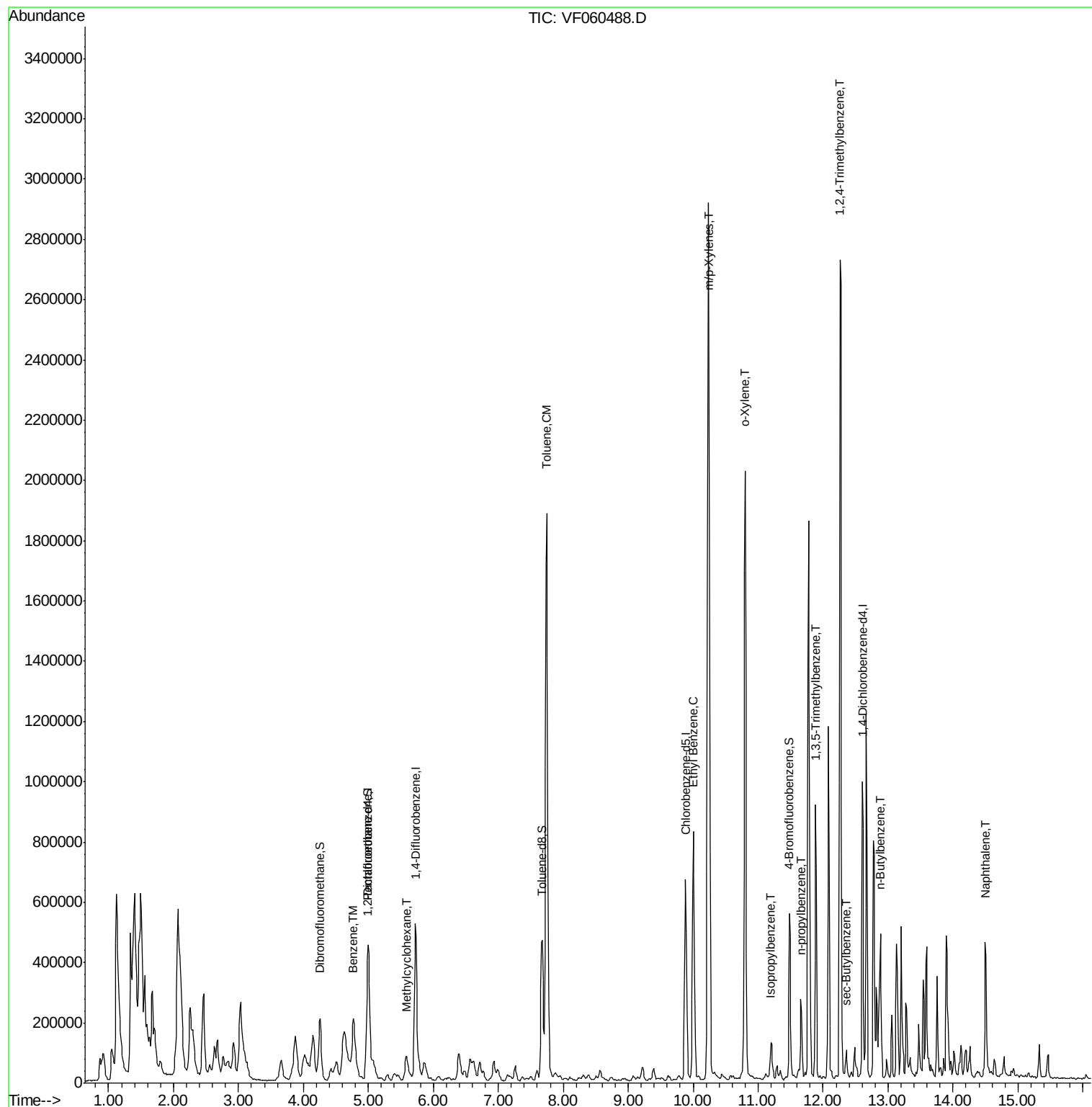
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
Data File : VF060488.D
Acq On : 8 Oct 2018 17:00
Operator : VA/AP
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ALS Vial : 41 Sample Multiplier: 1

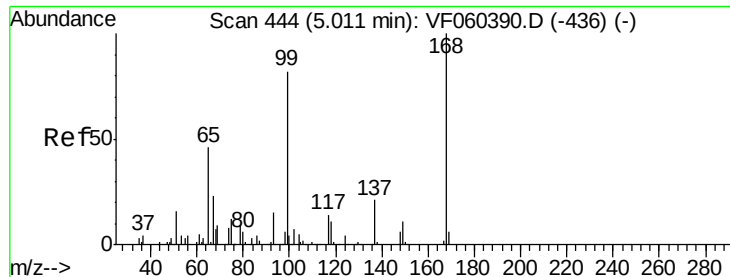
Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)RE

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Quant Time: Oct 09 02:21:49 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: 5.01 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)RE

Tgt Ion: 168 Resp: 321703

Ion Ratio Lower Upper

168 100

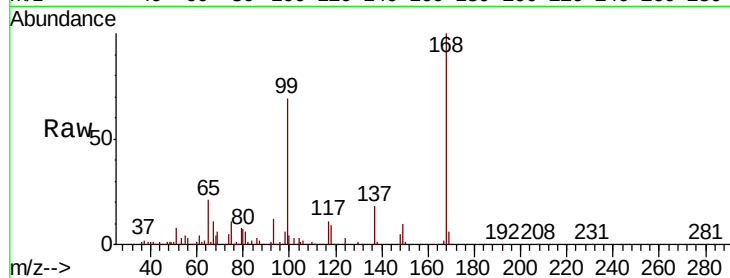
99 69.4 65.3 97.9

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

5.01

120000

100000

80000

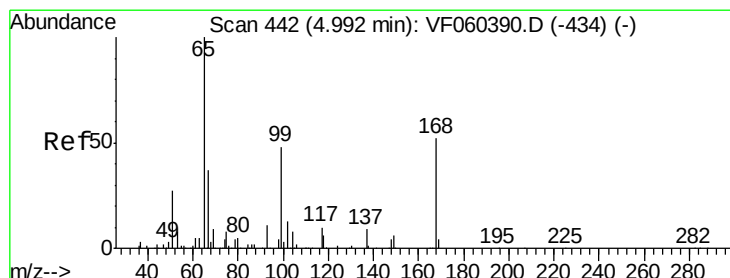
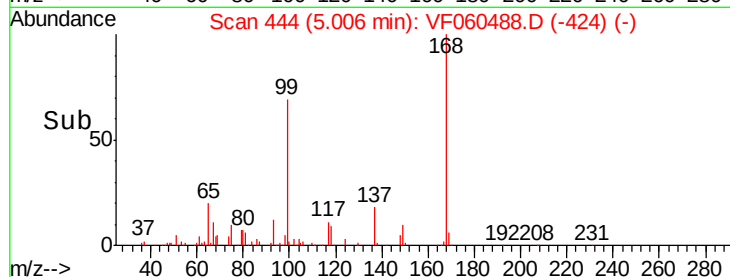
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 34.052 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.02 min

Lab File: VF060488.D

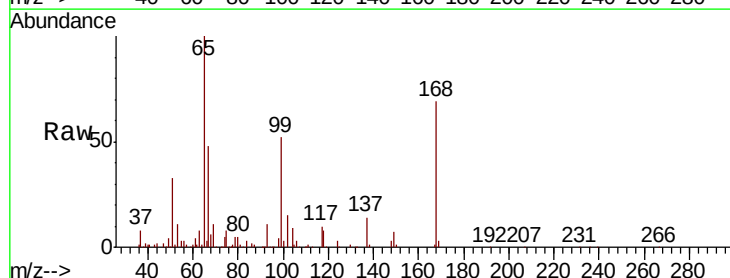
Acq: 8 Oct 2018 17:00

Tgt Ion: 65 Resp: 171417

Ion Ratio Lower Upper

65 100

67 48.2 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.98

60000

50000

40000

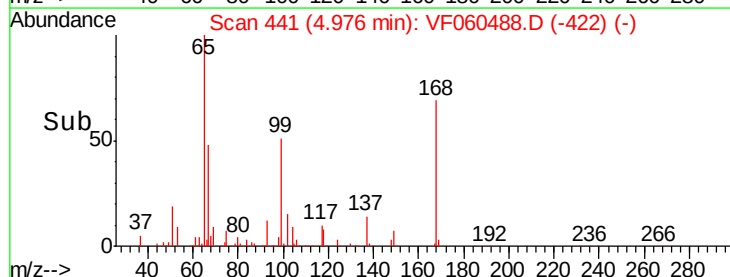
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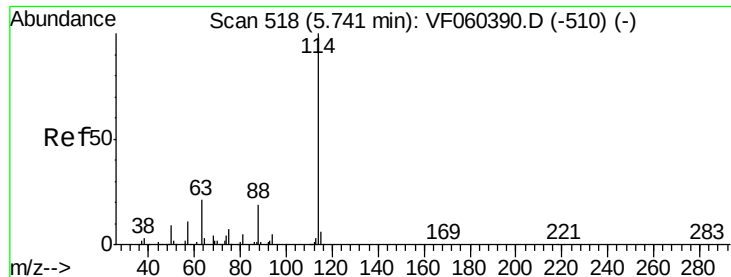
20000

10000

0

Time--> 4.80 4.90 5.00 5.10





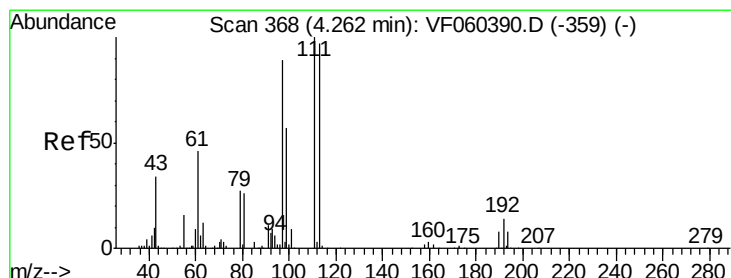
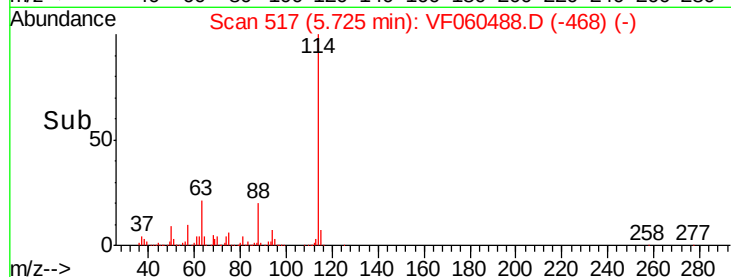
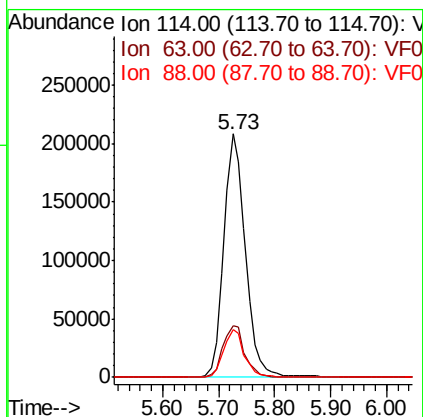
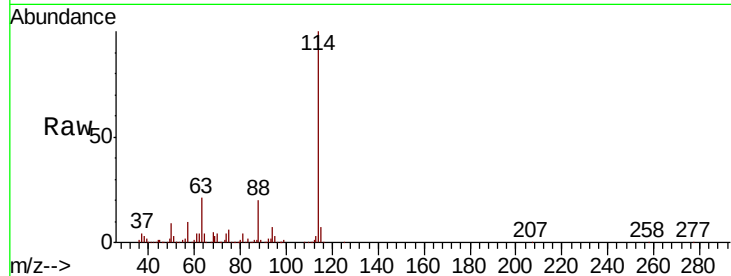
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1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.73 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	21.2	0.0	42.2
88	19.8	0.0	38.8

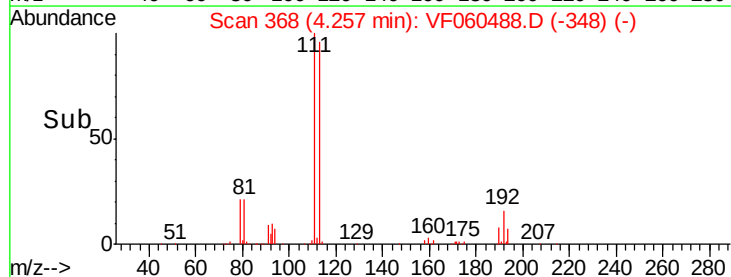
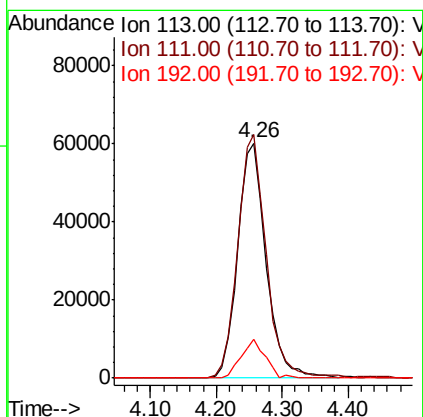
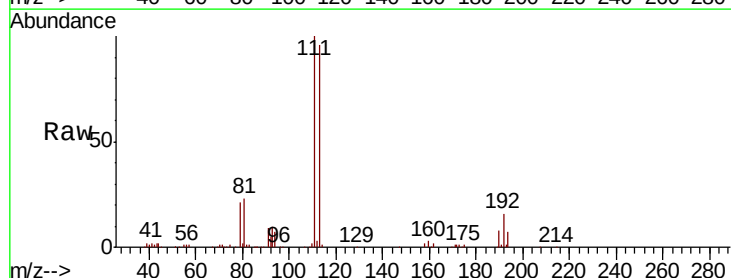
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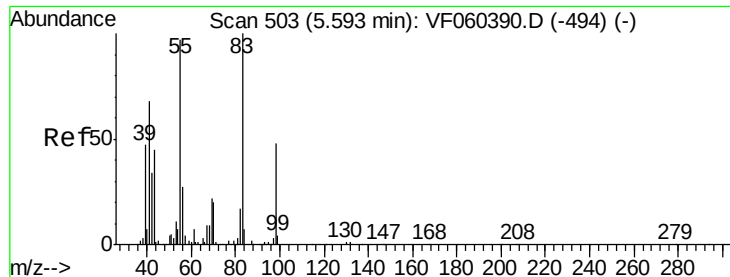
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#35
Dibromofluoromethane
Concen: 34.869 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	103.8	82.3	123.5
192	16.5	11.8	17.6





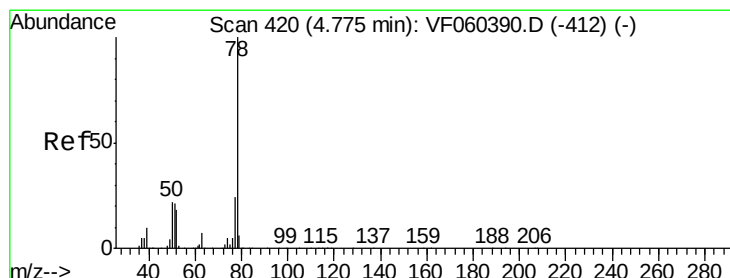
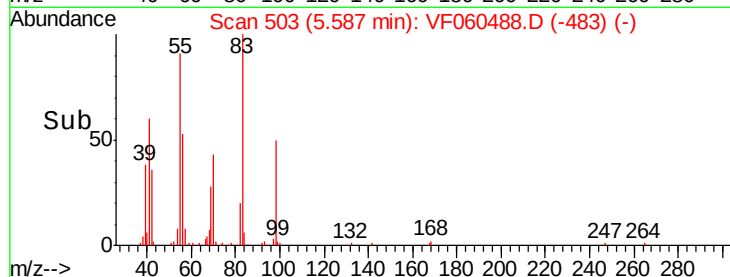
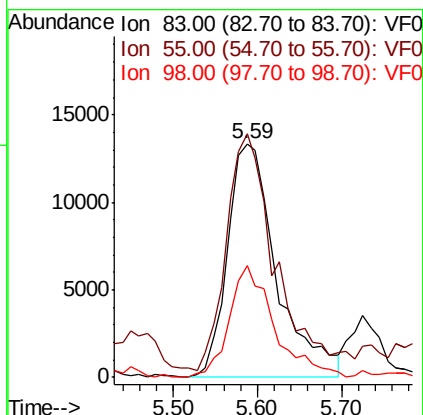
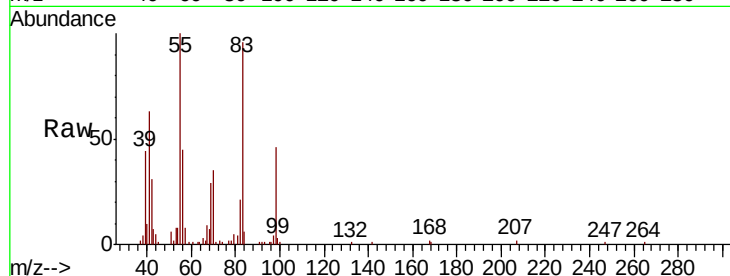
#39
Methylcyclohexane
Concen: 8.073 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

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

Tgt Ion	Ratio	Lower	Upper
83	100		
55	104.2	77.5	116.3
98	48.1	38.7	58.1

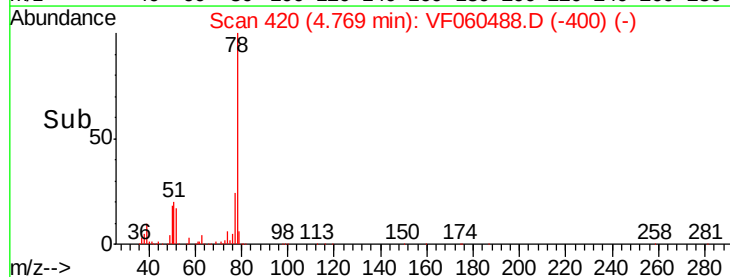
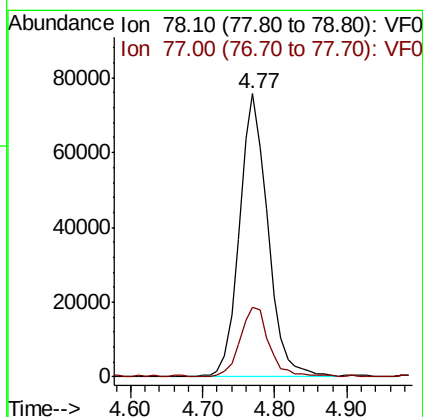
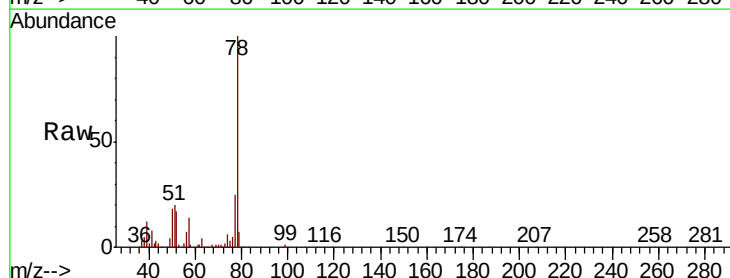
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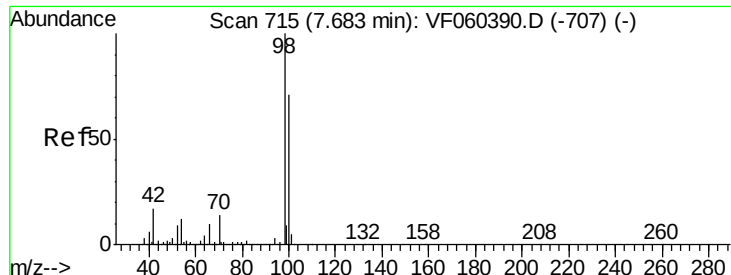
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#40
Benzene
Concen: 15.287 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8





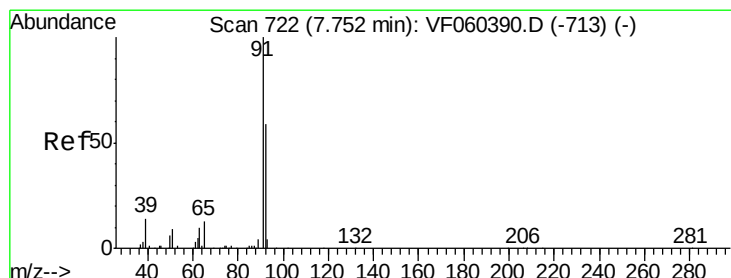
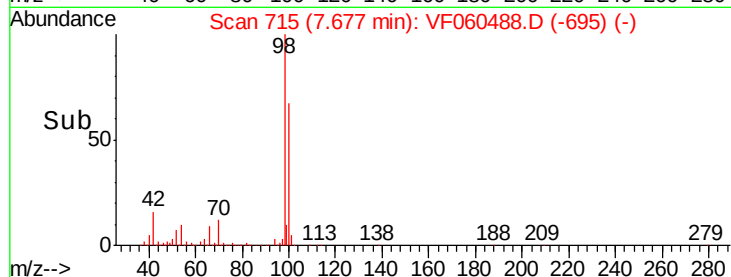
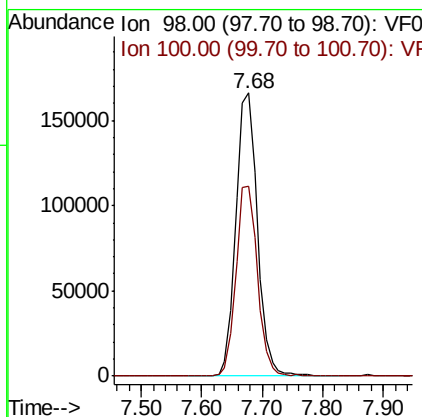
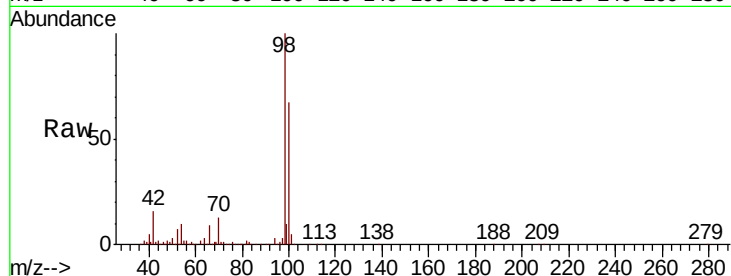
#50
Toluene-d8
Concen: 31.894 ug/l
RT: 7.68 min Scan# 715
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

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

Tgt Ion: 98 Resp: 411475
Ion Ratio Lower Upper
98 100
100 67.1 56.5 84.7

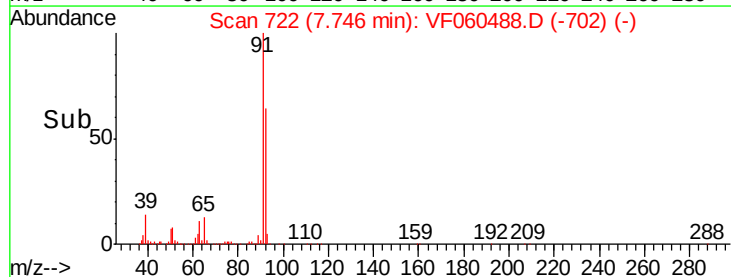
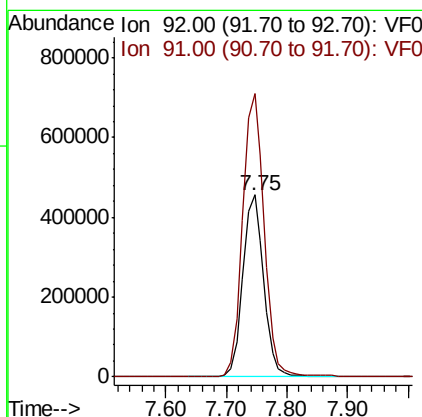
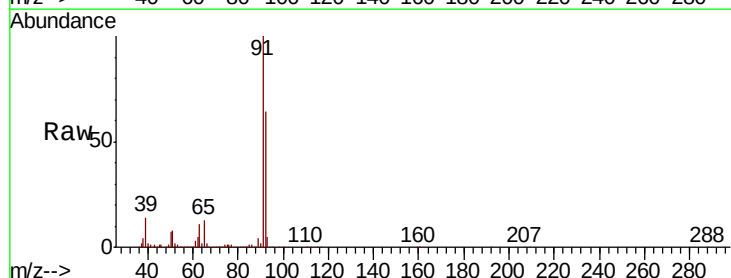
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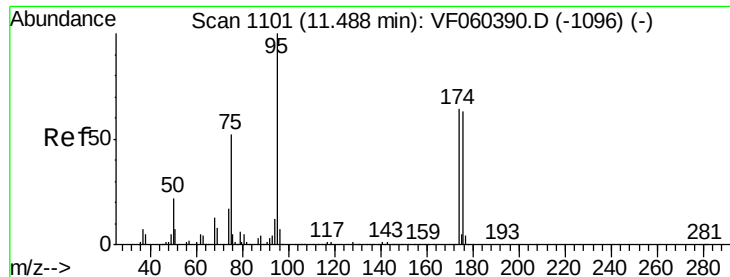
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#52
Toluene
Concen: 117.681 ug/l
RT: 7.75 min Scan# 722
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion: 92 Resp: 1090919
Ion Ratio Lower Upper
92 100
91 155.3 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 33.012 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

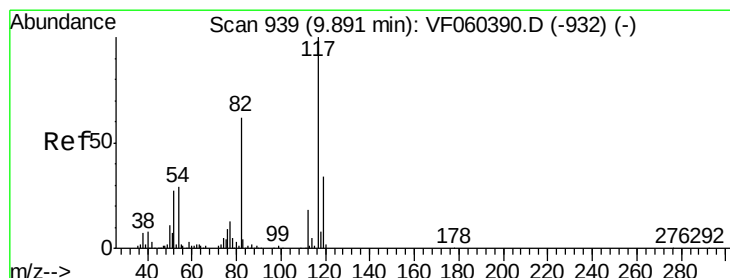
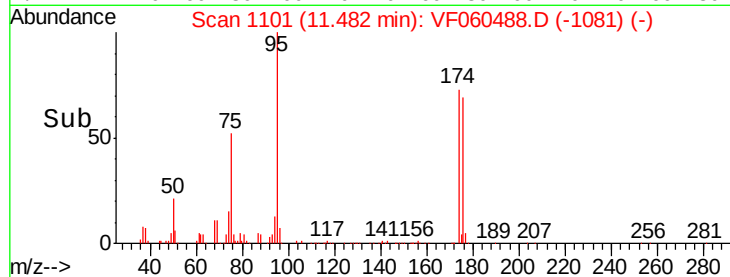
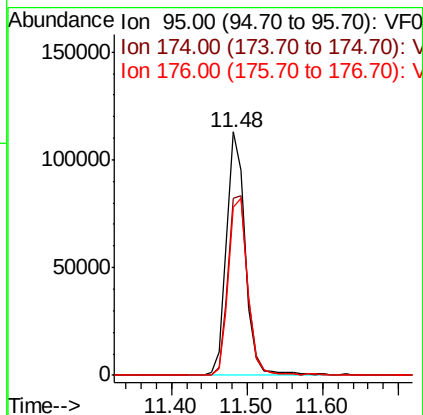
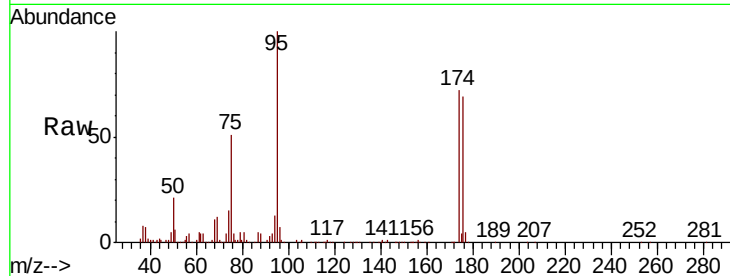
ClientSampleId :

B-1A(12.5-13)RE

Tgt Ion:	95	Resp:	194463
Ion Ratio	Lower	Upper	
95	100		
174	72.5	0.0	129.0
176	69.1	0.0	125.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

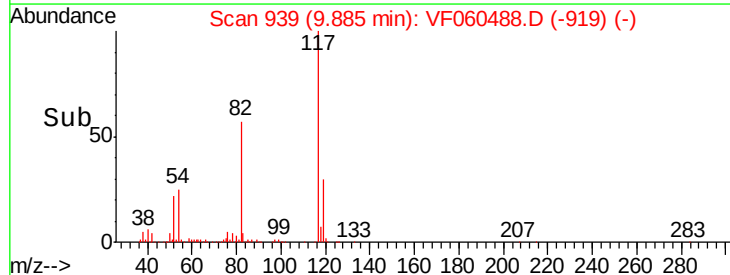
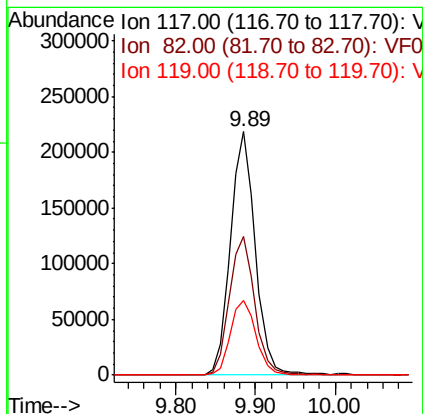
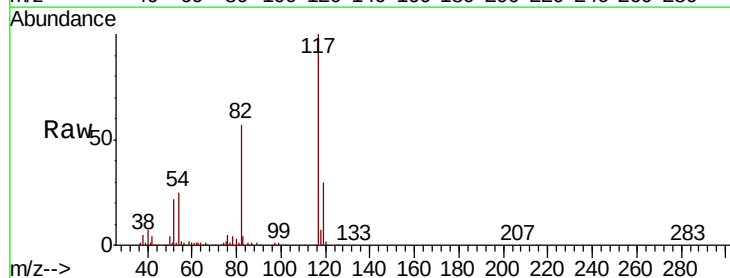
RT: 9.89 min Scan# 939

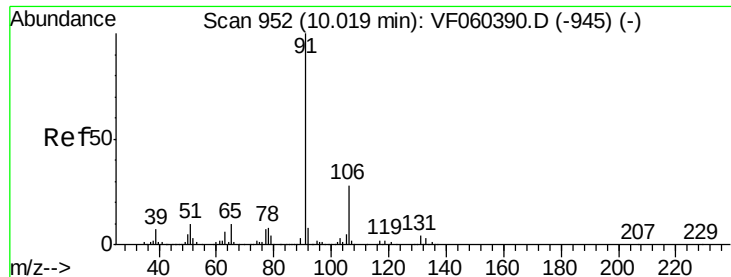
Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Tgt Ion:	117	Resp:	477143
Ion Ratio	Lower	Upper	
117	100		
82	56.8	49.5	74.3
119	30.4	27.0	40.6





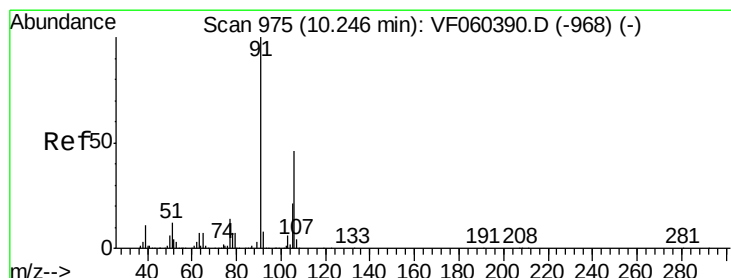
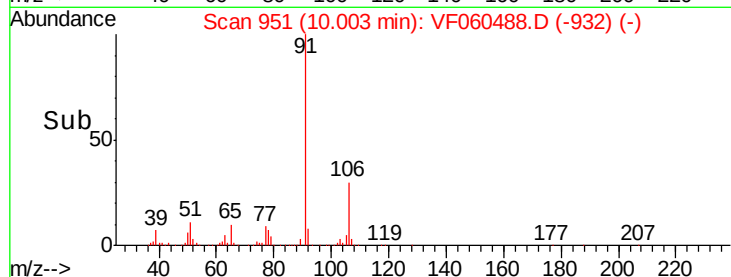
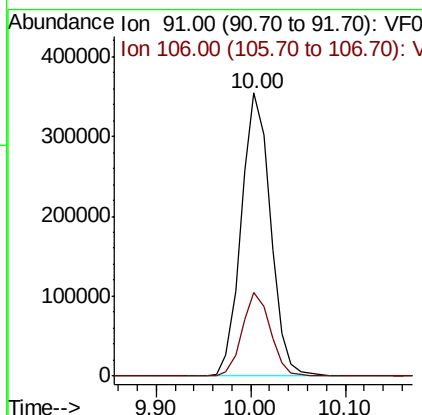
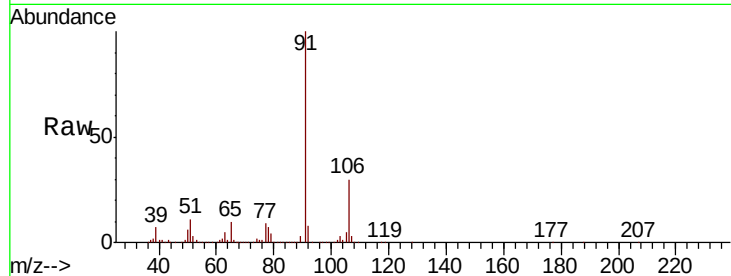
#67
Ethyl Benzene
Concen: 40.878 ug/l
RT: 10.00 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

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

Tgt Ion: 91 Resp: 761818
Ion Ratio Lower Upper
91 100
106 29.6 22.5 33.7

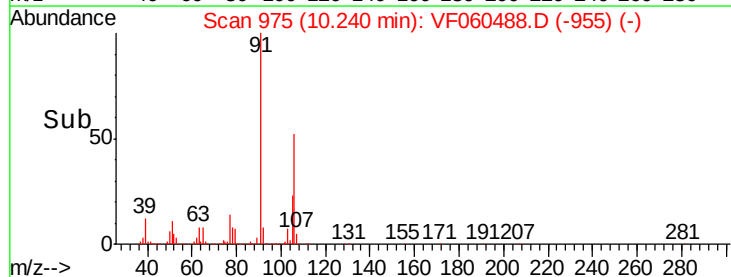
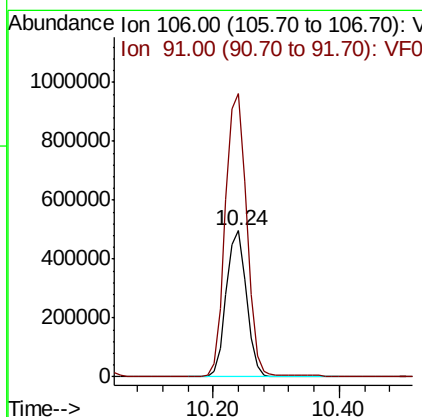
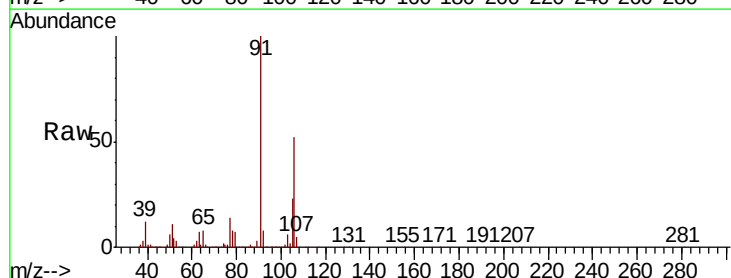
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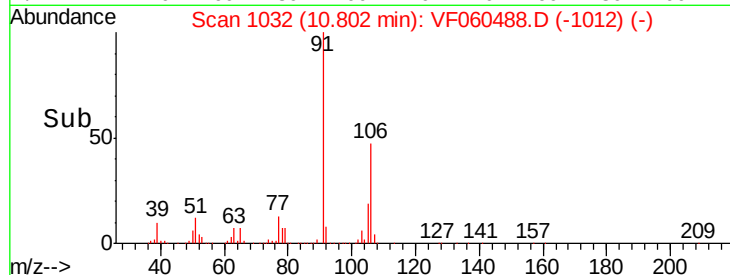
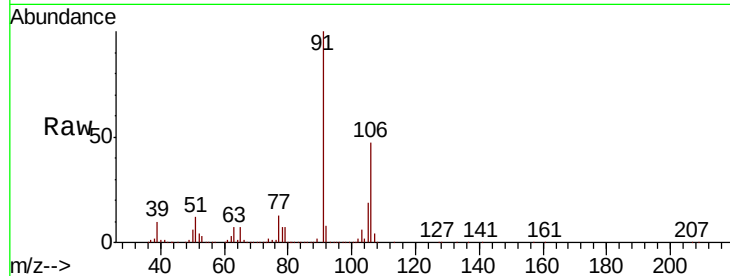
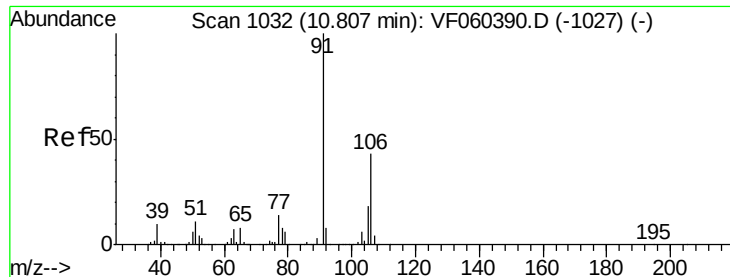
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#68
m/p-Xylenes
Concen: 173.223 ug/l
RT: 10.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion: 106 Resp: 1109759
Ion Ratio Lower Upper
106 100
91 194.0 175.0 262.6





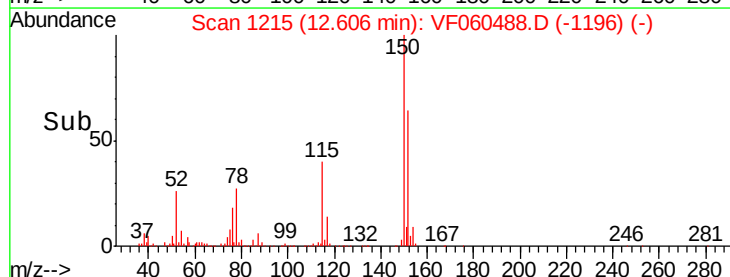
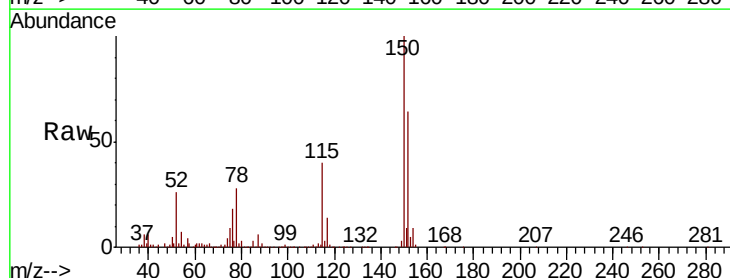
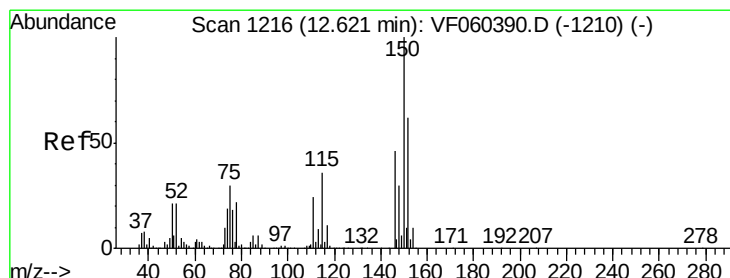
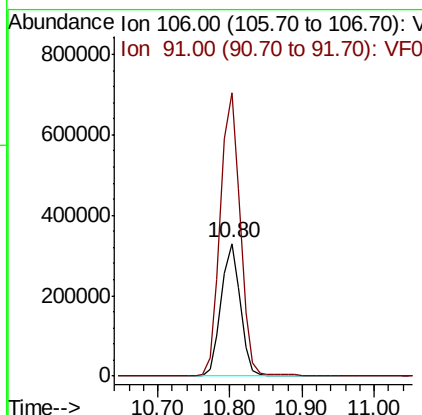
#69
o-Xylene
Concen: 86.901 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion:106 Resp: 606846
Ion Ratio Lower Upper
106 100
91 213.8 115.1 345.2

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

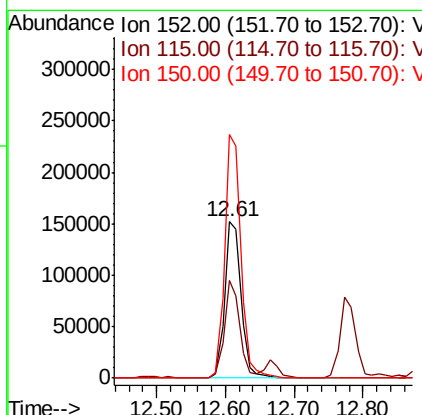
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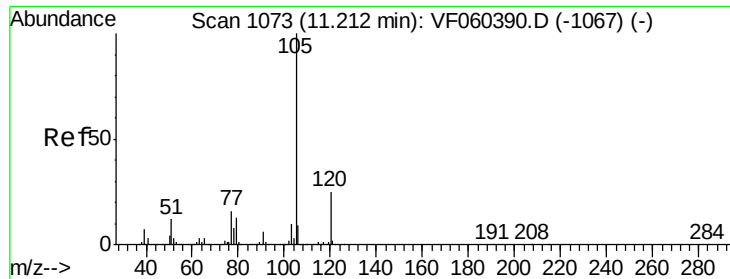
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion:152 Resp: 252145
Ion Ratio Lower Upper
152 100
115 62.8 28.6 85.8
150 155.6 0.0 324.6





#73

Isopropylbenzene

Concen: 3.837 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)RE

Tgt Ion: 105 Resp: 76179

Ion Ratio Lower Upper

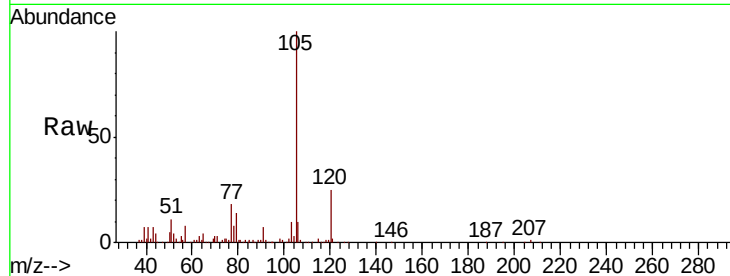
105 100

120 24.7 12.3 36.9

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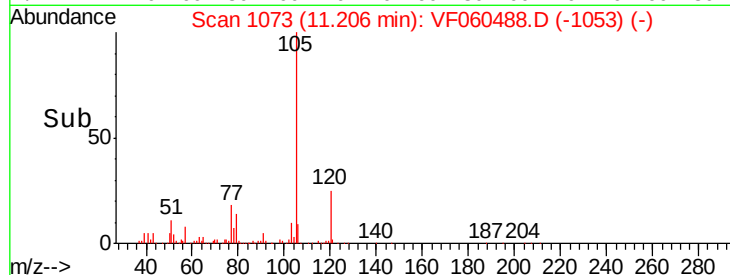
10/9/2018 8:53:45 AM



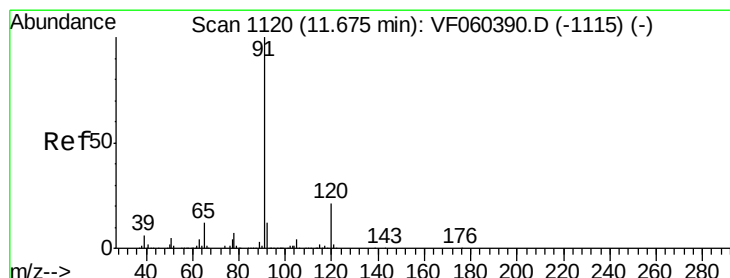
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21



Time-->



#78

n-propylbenzene

Concen: 8.665 ug/l

RT: 11.66 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VF060488.D

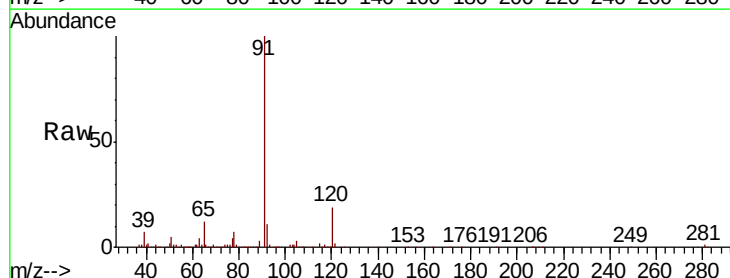
Acq: 8 Oct 2018 17:00

Tgt Ion: 91 Resp: 208557

Ion Ratio Lower Upper

91 100

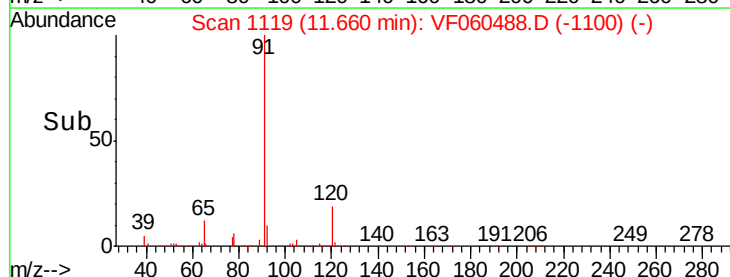
120 18.8 10.5 31.6



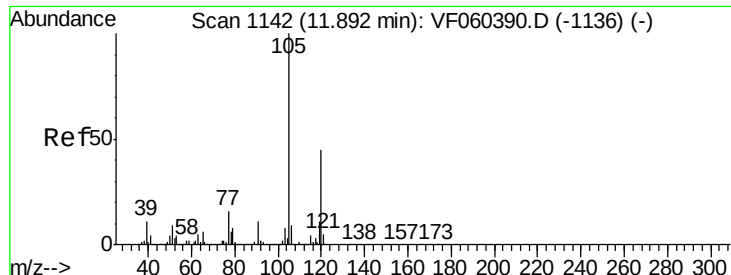
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.66



Time-->



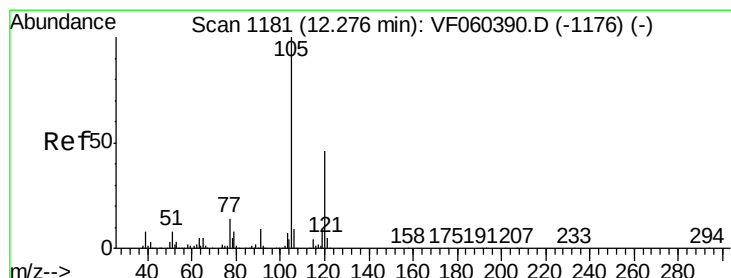
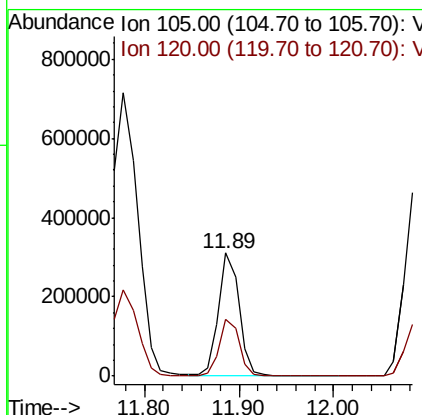
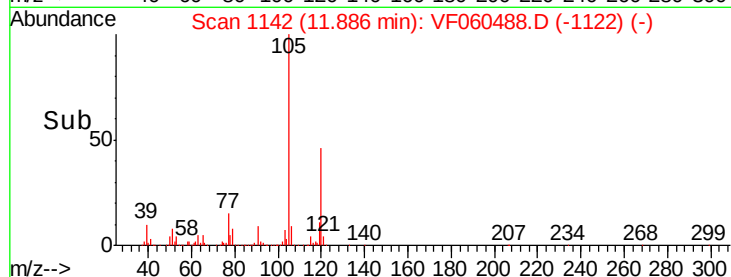
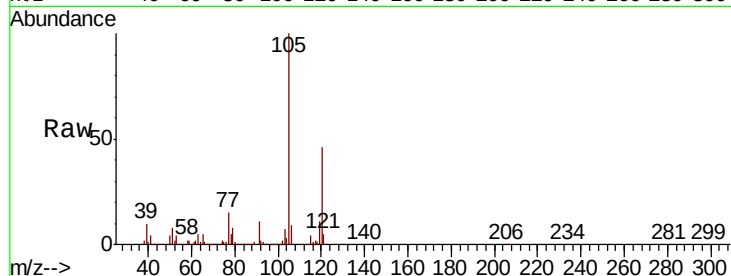
#80
 1,3,5-Trimethylbenzene
 Concen: 27.996 ug/l
 RT: 11.89 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VF060488.D
 Acq: 8 Oct 2018 17:00

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

Tgt Ion:105 Resp: 472217
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.3 66.9

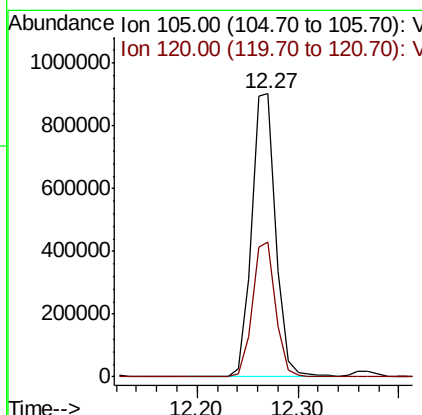
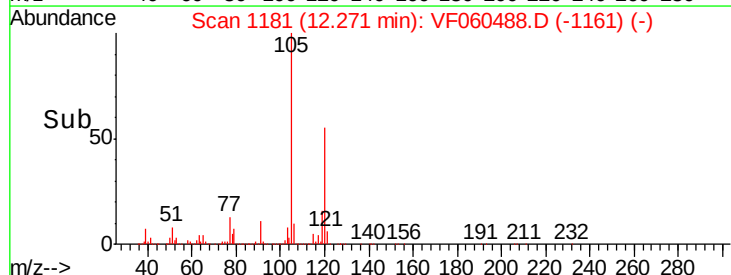
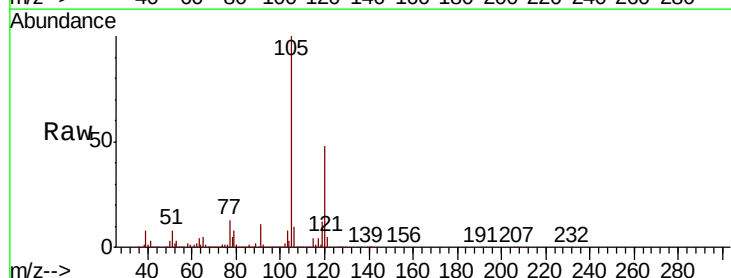
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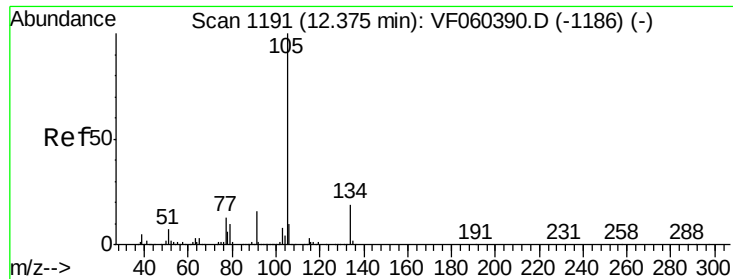
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#84
 1,2,4-Trimethylbenzene
 Concen: 90.100 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VF060488.D
 Acq: 8 Oct 2018 17:00

Tgt Ion:105 Resp: 1507193
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.1 69.2





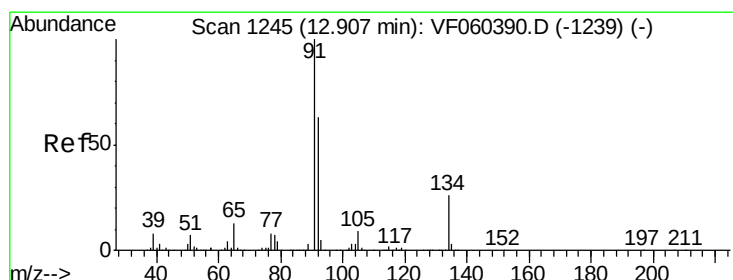
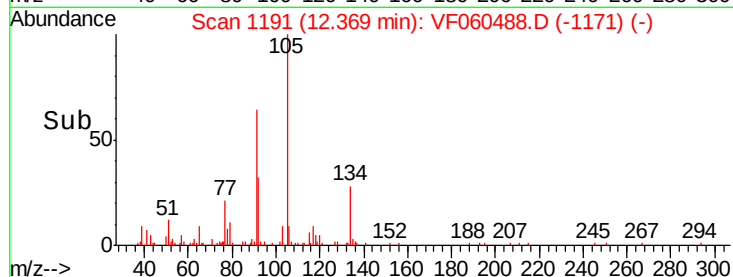
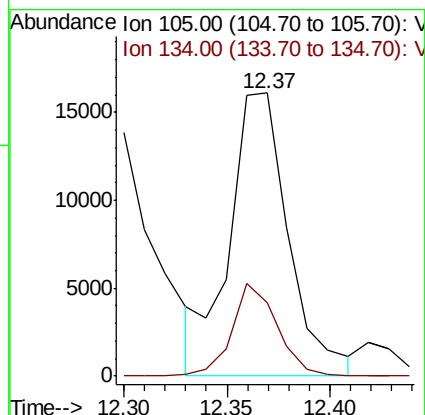
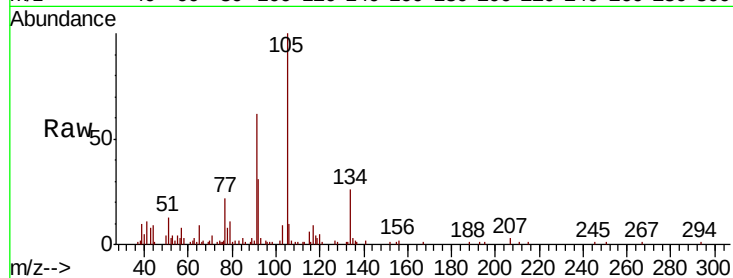
#85
 sec-Butylbenzene
 Concen: 1.408 ug/l m
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF060488.D
 Acq: 8 Oct 2018 17:00

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

Tgt Ion: 105 Resp: 32324
 Ion Ratio Lower Upper
 105 100
 134 25.8 9.4 28.3

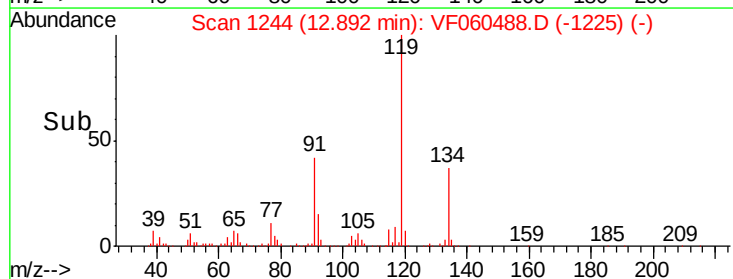
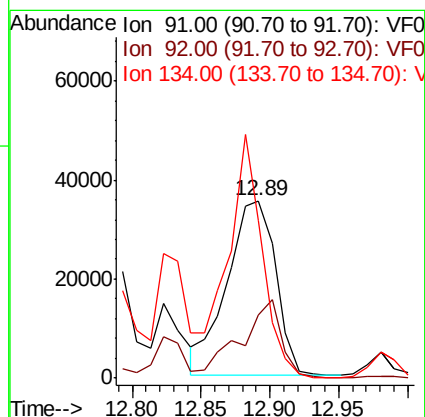
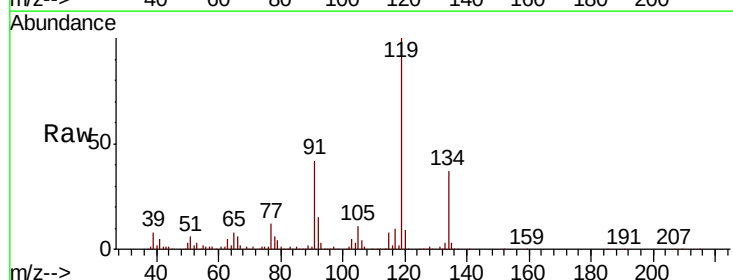
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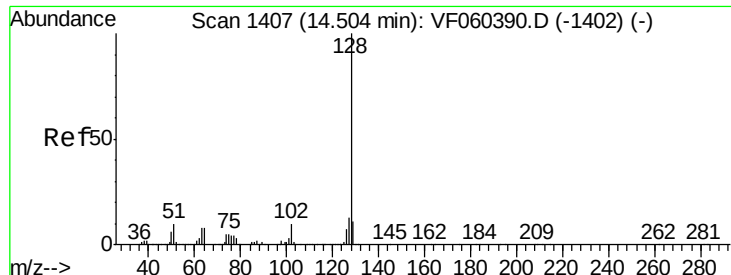
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#89
 n-Butylbenzene
 Concen: 4.383 ug/l
 RT: 12.89 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: VF060488.D
 Acq: 8 Oct 2018 17:00

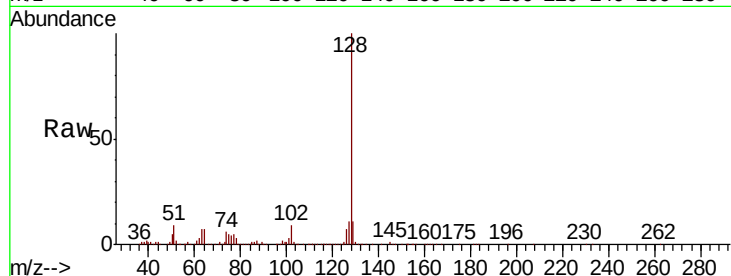
Tgt Ion: 91 Resp: 87016
 Ion Ratio Lower Upper
 91 100
 92 35.6 31.3 93.9
 134 88.8 13.0 38.9#





#95
Naphthalene
Concen: 30.260 ug/l
RT: 14.50 min Scan# 1407
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

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



Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	11.0	10.0	15.0
129	11.3	8.7	13.1

Manual Integrations
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