

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
 Data File : VF060486.D
 Acq On : 8 Oct 2018 16:03
 Operator : VA/AP
 Sample : J5084-18
 Misc : 6.09/5mL/MSVOA_F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-5(12-12.5)

Manual Integrations
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apatel
 10/9/2018 8:53:35 AM

Quant Time: Oct 09 02:13:32 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	5.00	168	308529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	537612	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	359648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	195989	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	169280	35.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.12%	
35) Dibromofluoromethane	4.25	113	159092	31.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.00%	
50) Toluene-d8	7.67	98	354954	28.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.08%	
62) 4-Bromofluorobenzene	11.49	95	247556	43.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.18%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	1.89	76	36653	3.234	ug/l	99
39) Methylcyclohexane	5.59	83	1181231	181.782	ug/l	95
67) Ethyl Benzene	10.01	91	707065	50.335	ug/l	99
68) m/p-Xylenes	10.24	106	83207	17.231	ug/l	88
69) o-Xylene	10.81	106	27376	5.201	ug/l	90
73) Isopropylbenzene	11.20	105	603745	39.124	ug/l	96
78) n-propylbenzene	11.67	91	2484629	132.813	ug/l	94
80) 1,3,5-Trimethylbenzene	11.89	105	97682	7.450	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	85588	6.582	ug/l	89
85) sec-Butylbenzene	12.38	105	1174117	65.778	ug/l #	71
86) p-Isopropyltoluene	12.52	119	181967m	12.478	ug/l	
89) n-Butylbenzene	12.90	91	1170869m	75.877	ug/l	

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

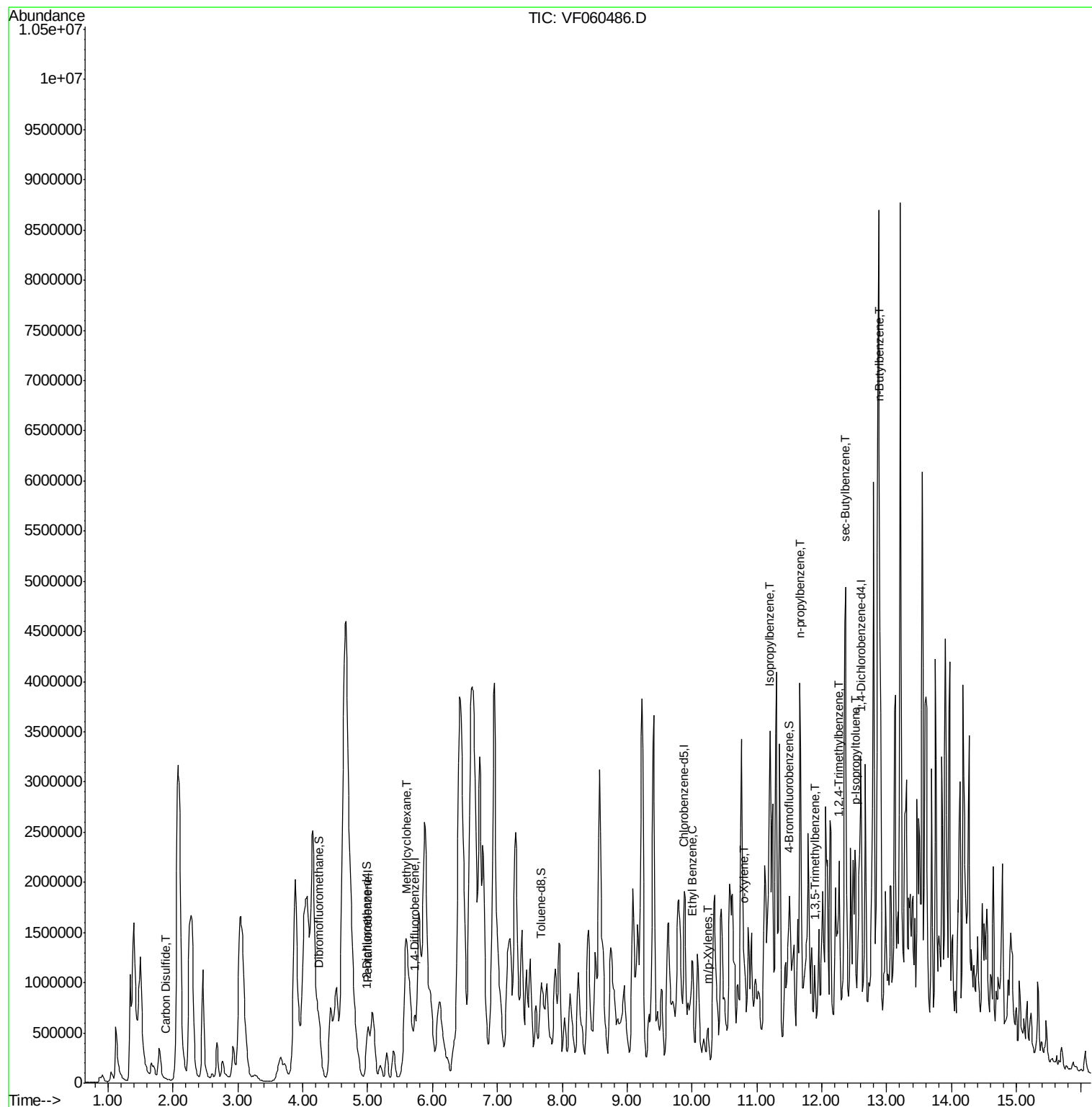
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
Data File : VF060486.D
Acq On : 8 Oct 2018 16:03
Operator : VA/AP
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Misc : 6.09/5mL/MSVOA_F/SOIL
ALS Vial : 39 Sample Multiplier: 1

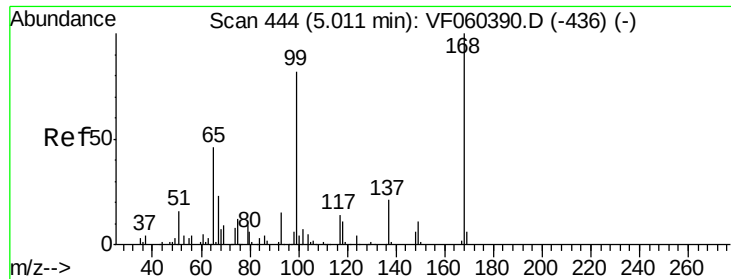
Instrument :
MSVOA_F
ClientSampleId :
B-5(12-12.5)

Manual Integrations
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Quant Time: Oct 09 02:13:32 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: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060486.D

Acq: 8 Oct 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

B-5(12-12.5)

Tgt Ion:168 Resp: 308529

Ion Ratio Lower Upper

168 100

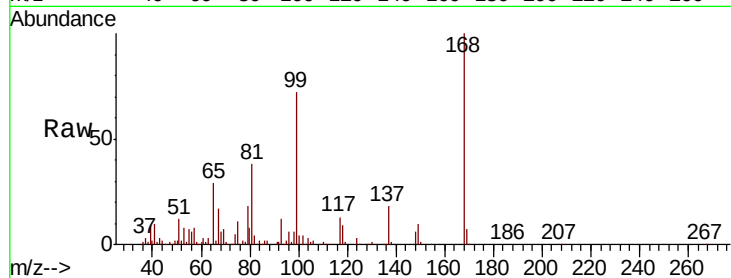
99 71.9 65.3 97.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.00

120000

100000

80000

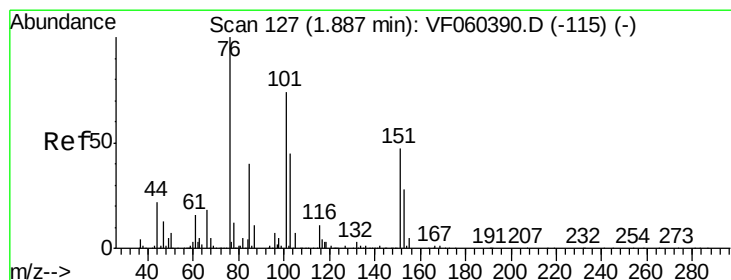
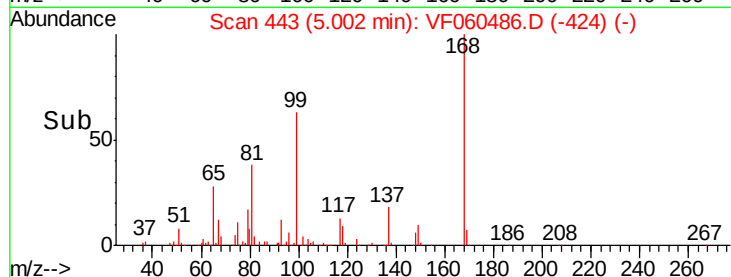
60000

40000

20000

0

Time-->



#17

Carbon Disulfide

Concen: 3.234 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060486.D

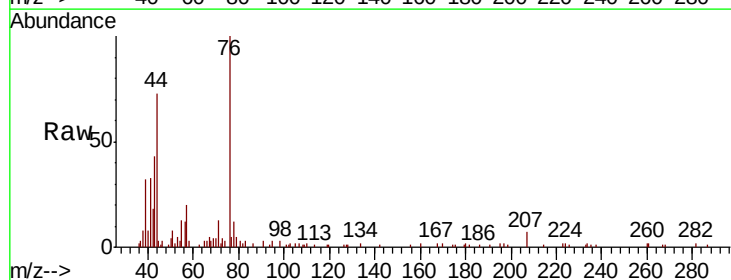
Acq: 8 Oct 2018 16:03

Tgt Ion: 76 Resp: 36653

Ion Ratio Lower Upper

76 100

78 12.1 10.1 15.1



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.89

10000

8000

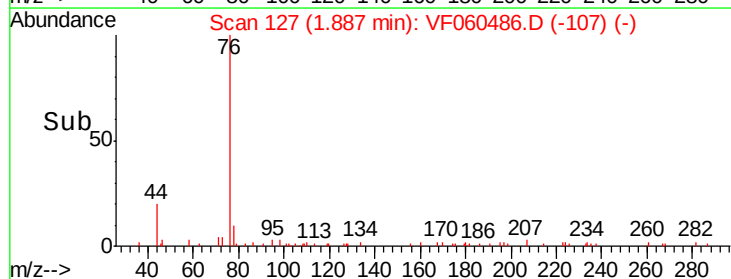
6000

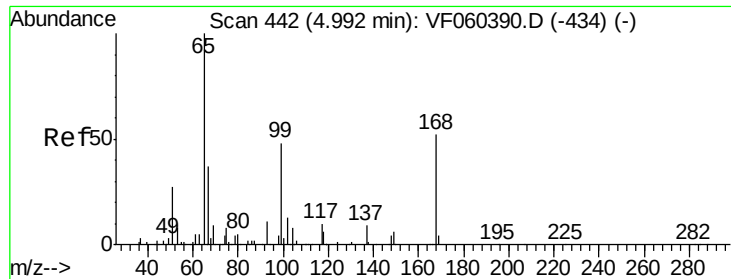
4000

2000

0

Time-->





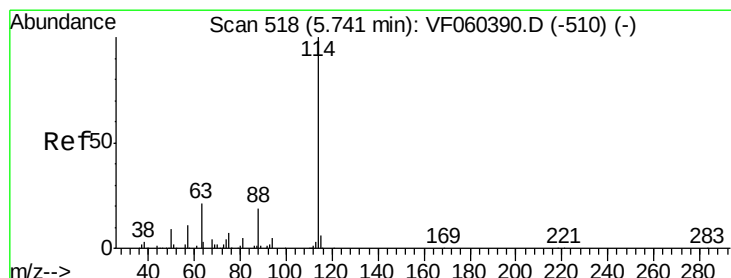
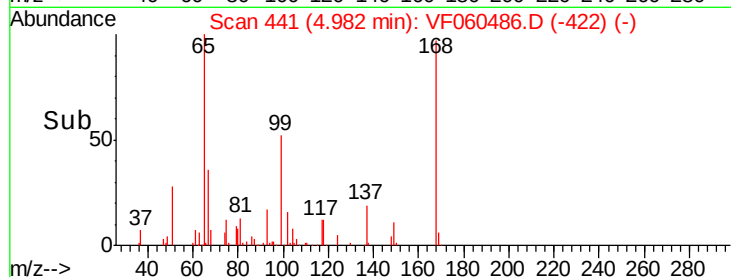
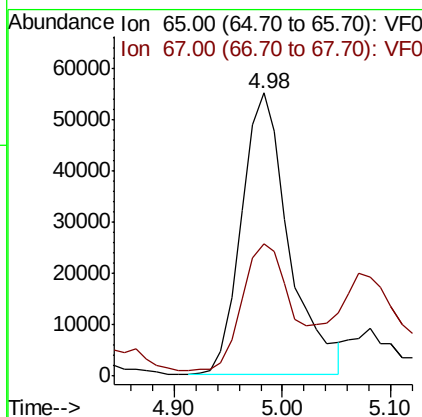
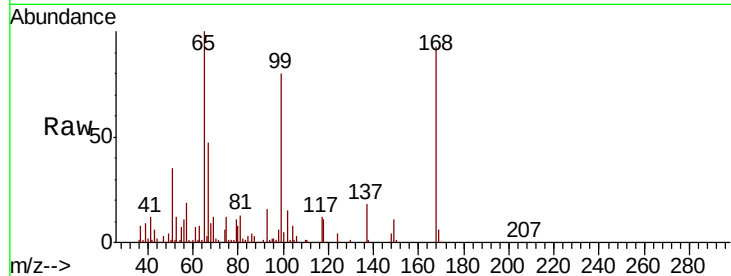
#33
 1,2-Dichloroethane-d4
 Concen: 35.064 ug/l
 RT: 4.98 min Scan# 441
 Delta R.T. -0.01 min
 Lab File: VF060486.D
 Acq: 8 Oct 2018 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 B-5(12-12.5)

Tgt Ion: 65 Resp: 169280
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 89.4

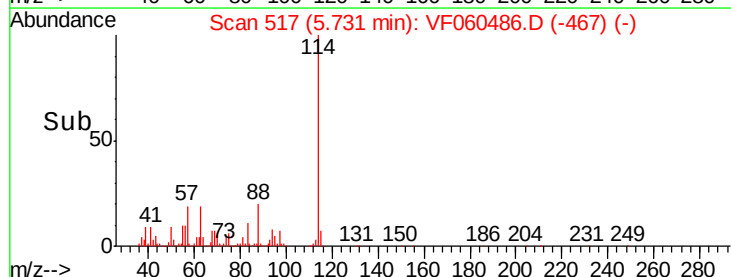
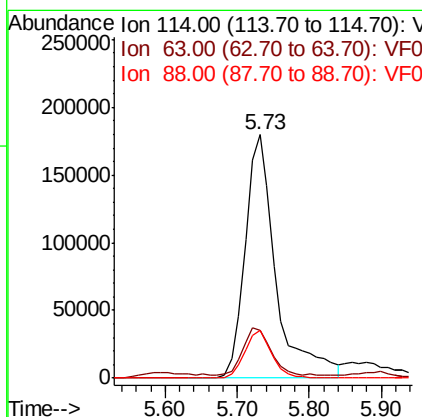
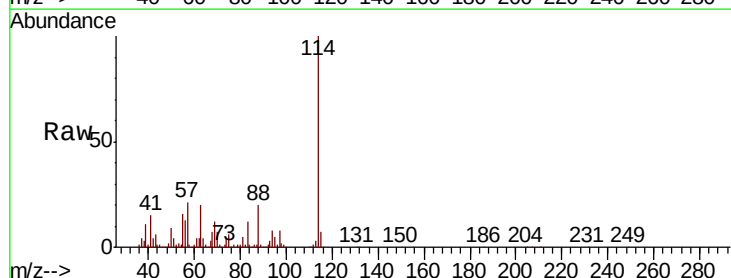
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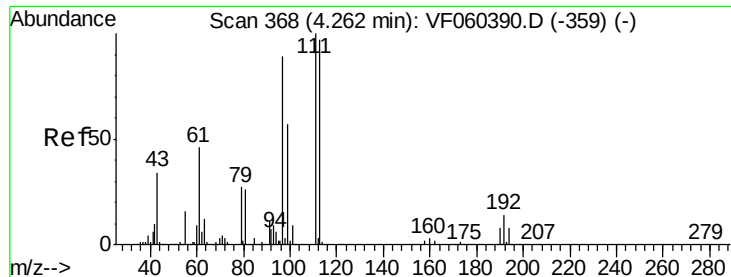
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VF060486.D
 Acq: 8 Oct 2018 16:03

Tgt Ion: 114 Resp: 537612
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.2
 88 19.8 0.0 38.8





#35

Dibromofluoromethane

Concen: 31.500 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.01 min

Lab File: VF060486.D

Acq: 8 Oct 2018 16:03

Instrument :

MSVOA_F

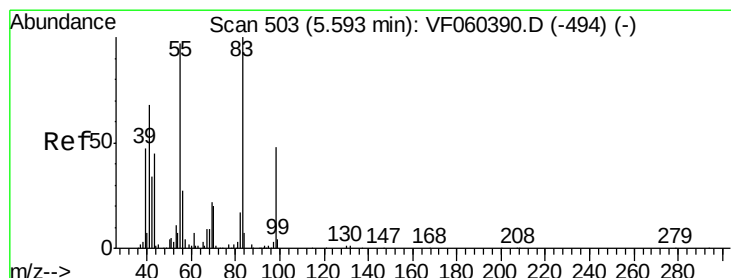
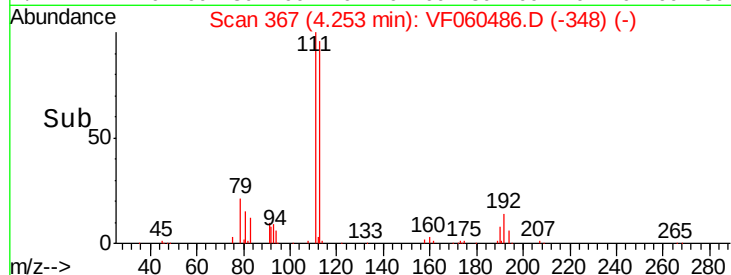
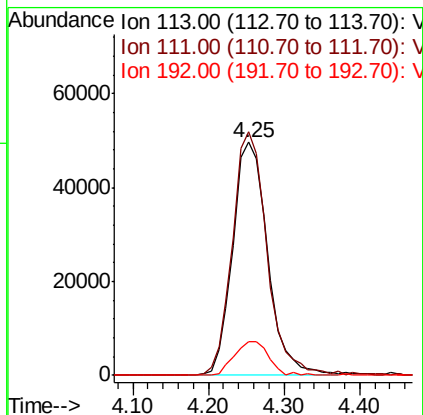
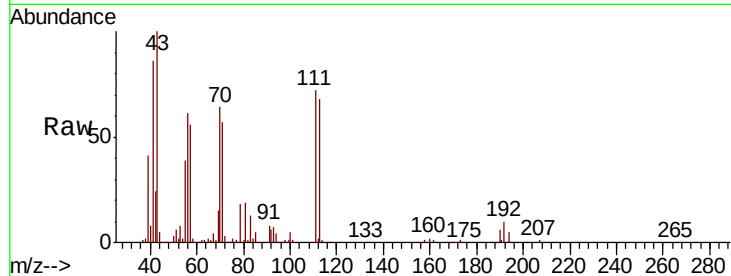
ClientSampleId :

B-5(12-12.5)

Tgt Ion:	113	Resp:	159092
Ion Ratio	Lower	Upper	
113	100		
111	104.6	82.3	123.5
192	14.6	11.8	17.6

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#39

Methylcyclohexane

Concen: 181.782 ug/l

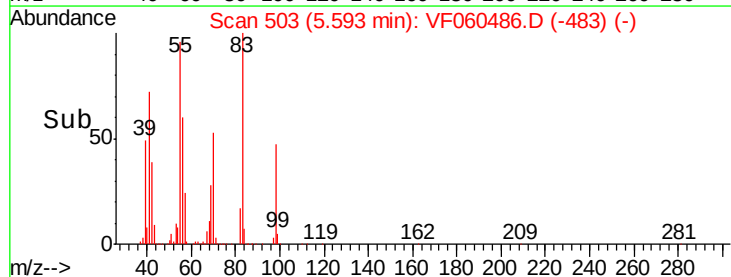
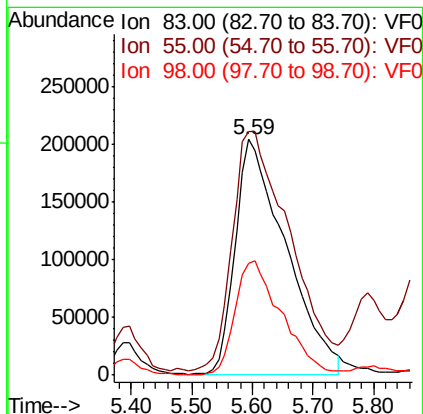
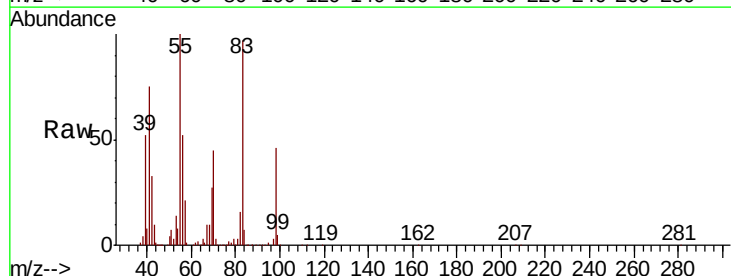
RT: 5.59 min Scan# 503

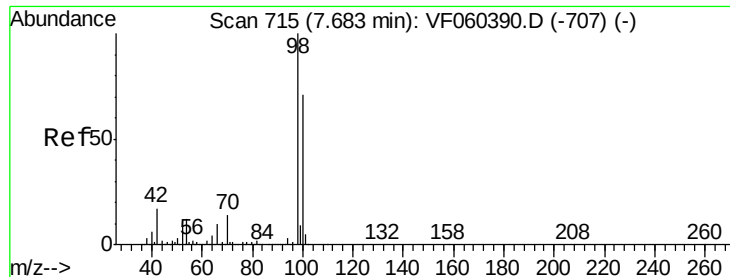
Delta R.T. 0.00 min

Lab File: VF060486.D

Acq: 8 Oct 2018 16:03

Tgt Ion:	83	Resp:	1181231
Ion Ratio	Lower	Upper	
83	100		
55	103.5	77.5	116.3
98	47.6	38.7	58.1





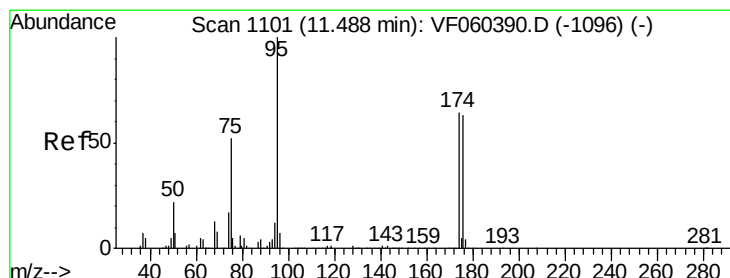
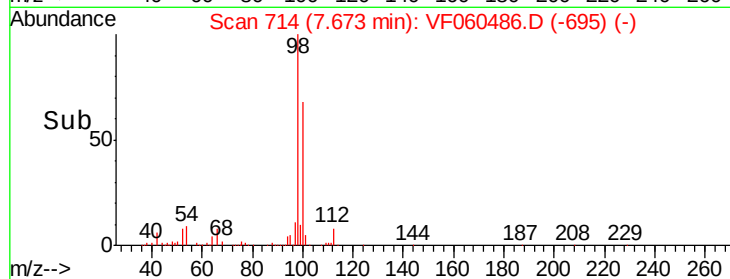
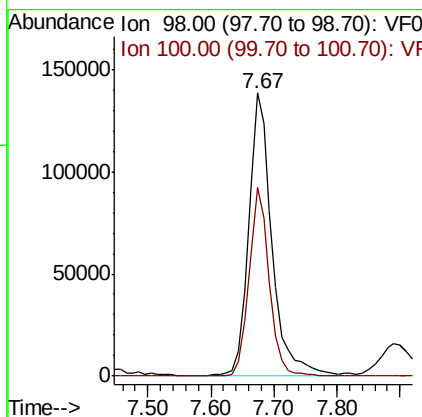
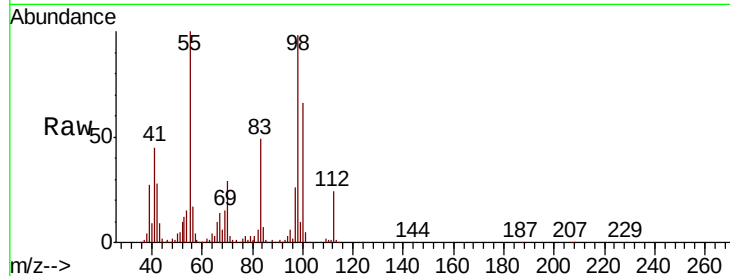
#50
Toluene-d8
Concen: 28.537 ug/l
RT: 7.67 min Scan# 714
Delta R.T. -0.01 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
B-5(12-12.5)

Tgt Ion: 98 Resp: 354954
Ion Ratio Lower Upper
98 100
100 66.6 56.5 84.7

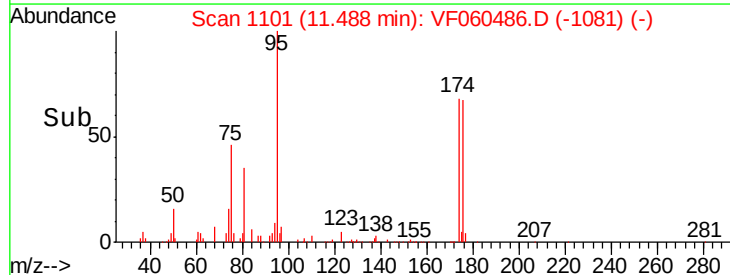
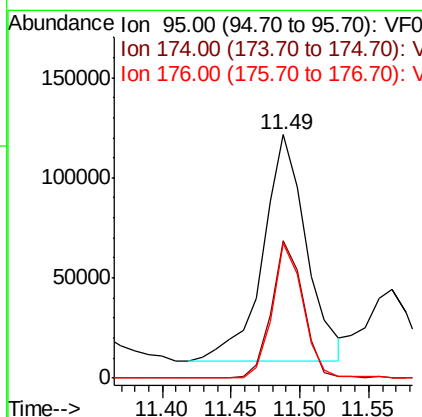
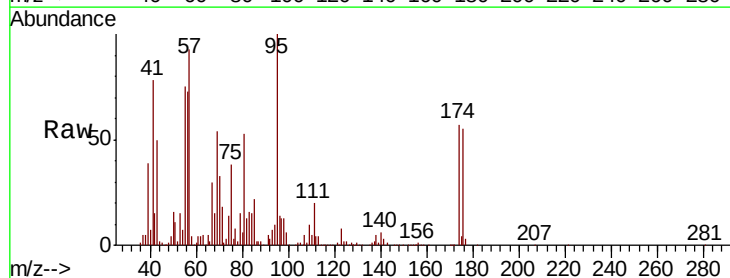
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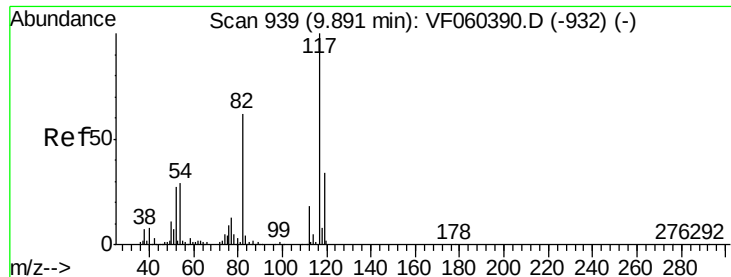
apatel
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#62
4-Bromofluorobenzene
Concen: 43.589 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Tgt Ion: 95 Resp: 247556
Ion Ratio Lower Upper
95 100
174 56.6 0.0 129.0
176 55.5 0.0 125.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 939

Delta R.T. 0.00 min

Lab File: VF060486.D

Acq: 8 Oct 2018 16:03

Instrument :

MSVOA_F

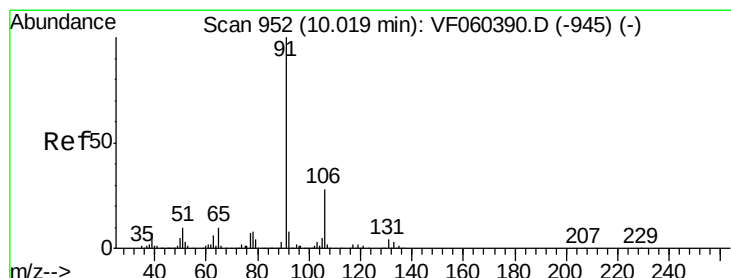
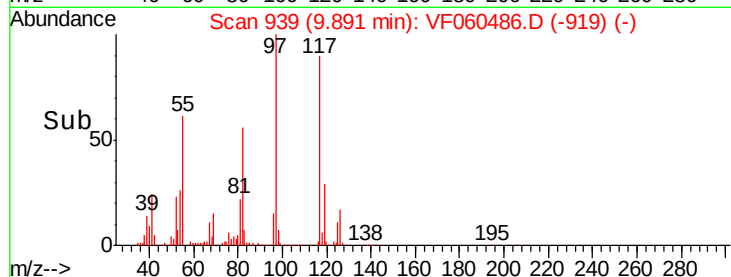
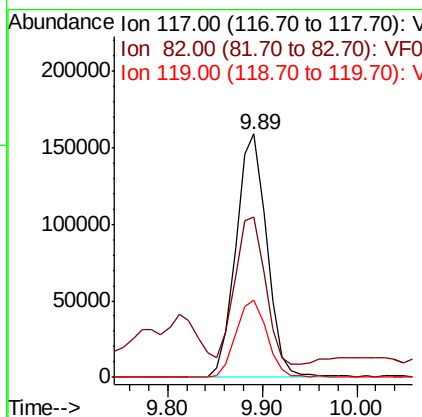
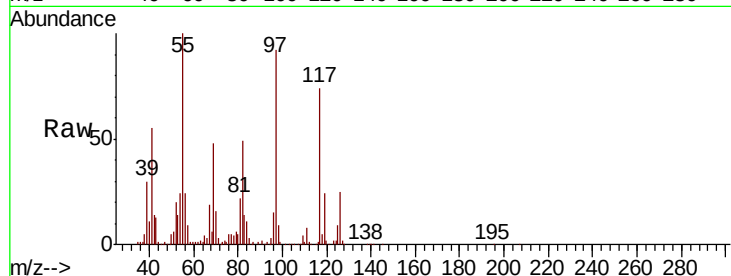
ClientSampleId :

B-5(12-12.5)

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	359648		
82	65.7	49.5	74.3	
119	31.8	27.0	40.6	

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#67

Ethyl Benzene

Concen: 50.335 ug/l

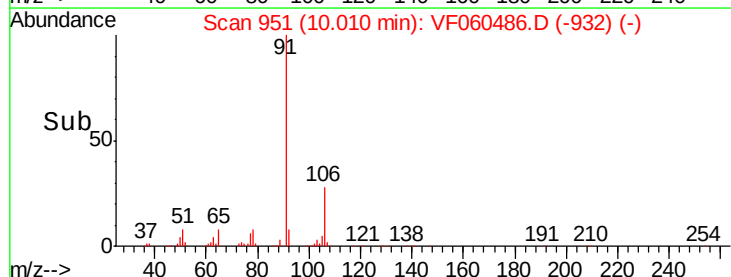
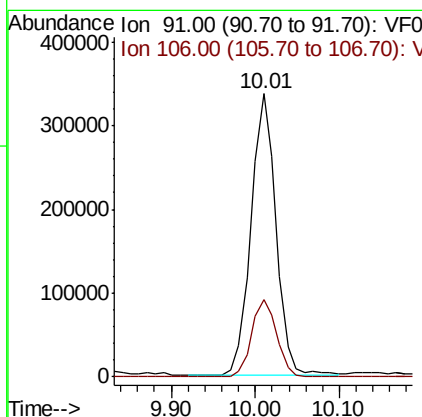
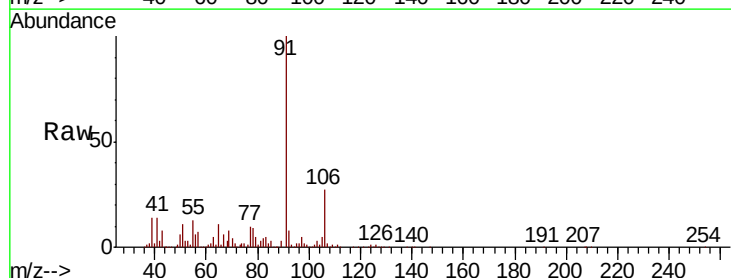
RT: 10.01 min Scan# 951

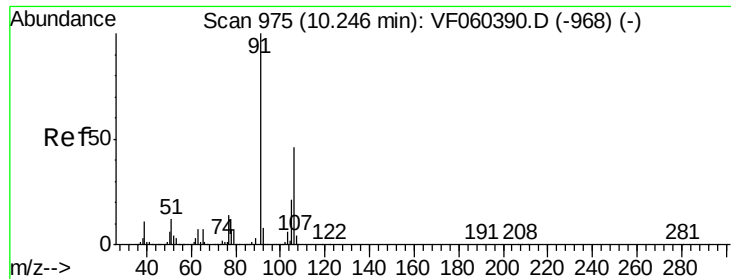
Delta R.T. -0.01 min

Lab File: VF060486.D

Acq: 8 Oct 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	707065		
106	27.4	22.5	33.7	





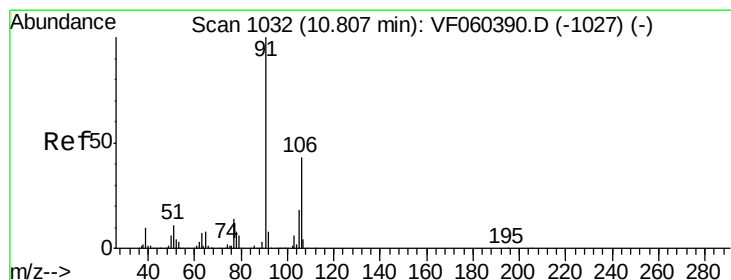
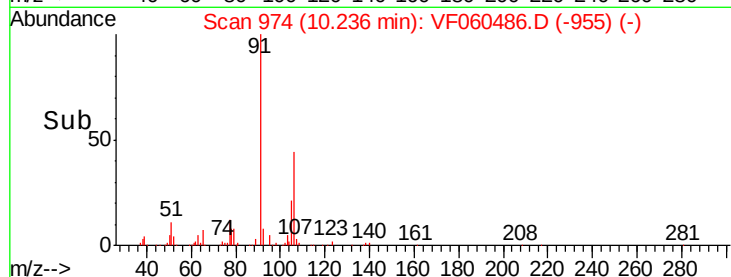
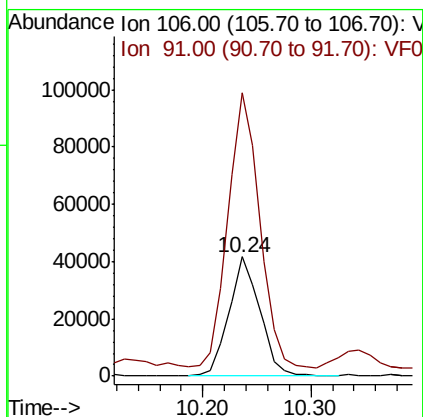
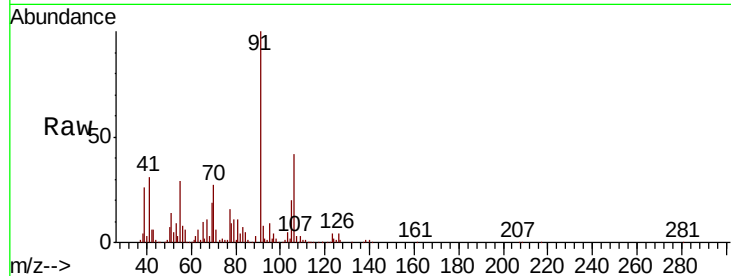
#68
m/p-Xylenes
Concen: 17.231 ug/l
RT: 10.24 min Scan# 974
Delta R.T. -0.01 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
B-5(12-12.5)

Tgt Ion:106 Resp: 83207
Ion Ratio Lower Upper
106 100
91 238.0 175.0 262.6

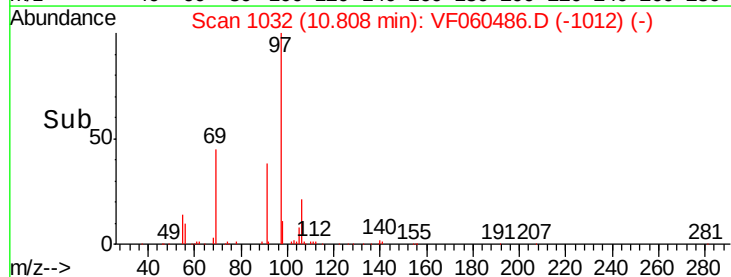
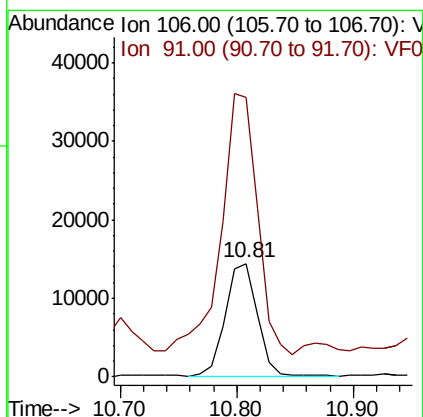
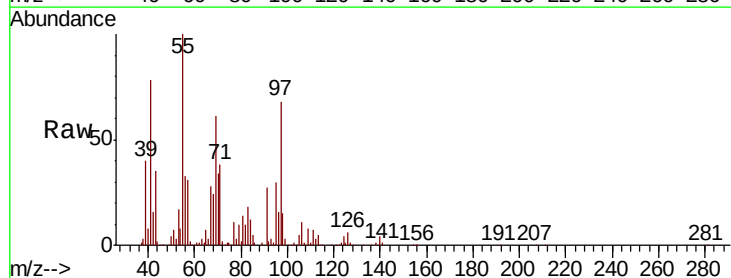
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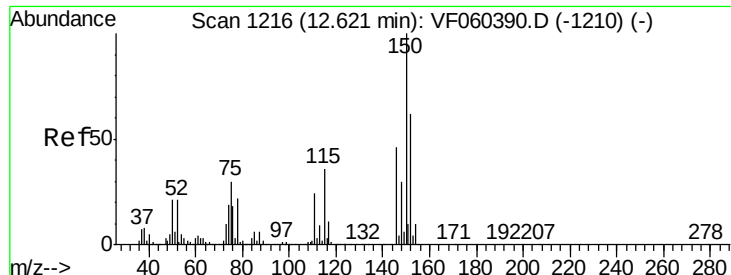
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#69
o-Xylene
Concen: 5.201 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Tgt Ion:106 Resp: 27376
Ion Ratio Lower Upper
106 100
91 246.2 115.1 345.2





#72

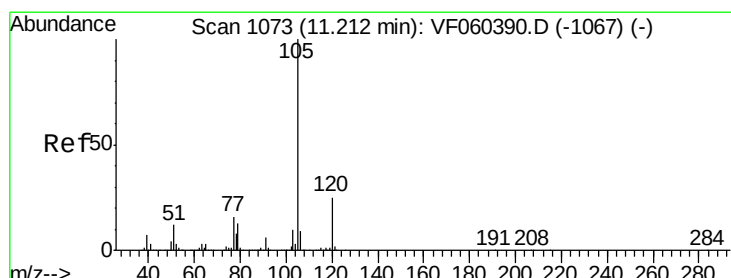
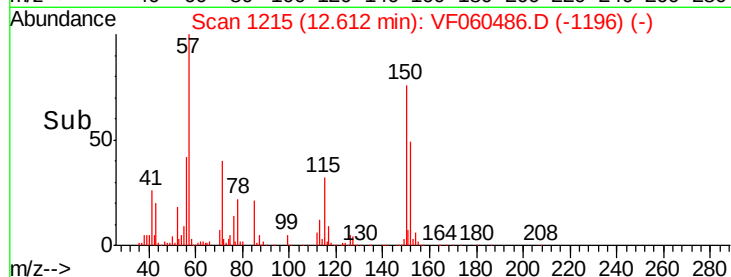
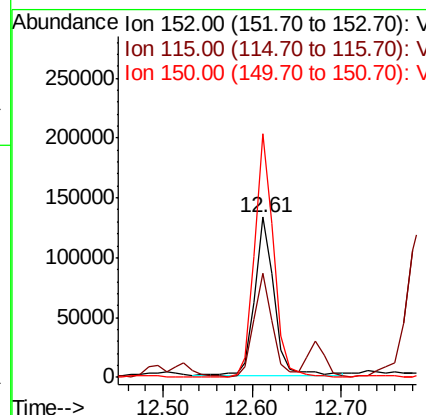
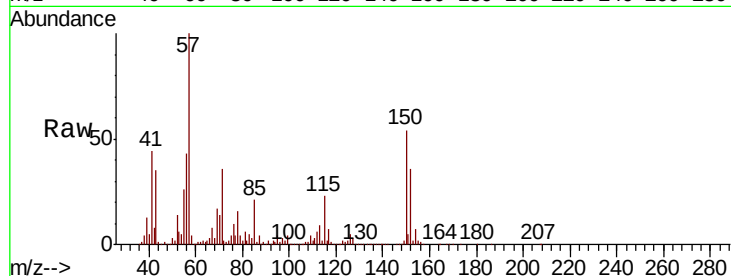
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Instrument :
MSVOA_F
ClientSampled :
B-5(12-12.5)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	195989		
115	65.4	28.6	85.8	
150	152.2	0.0	324.6	

Manual Integrations
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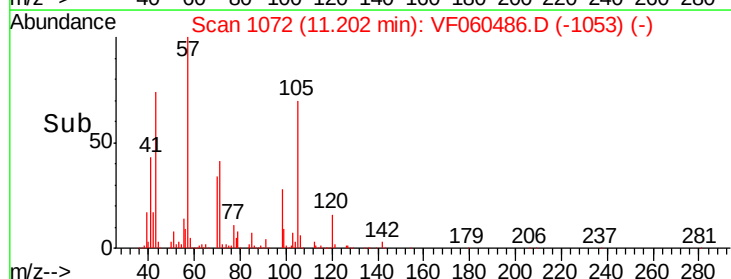
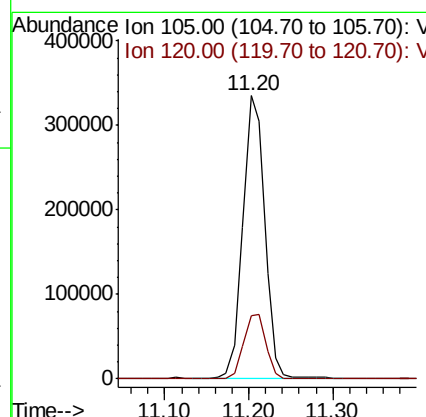
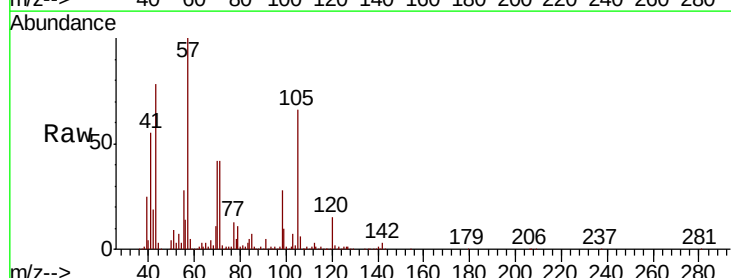
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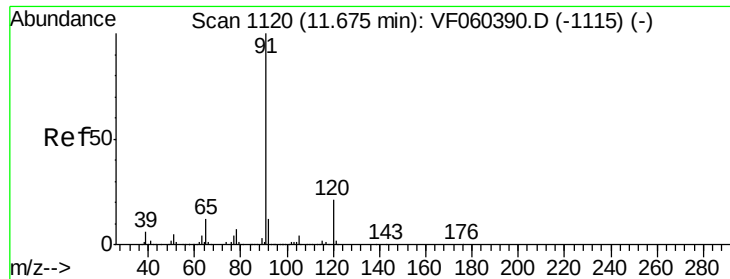


#73

Isopropylbenzene
Concen: 39.124 ug/l
RT: 11.20 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	603745		
120	22.4	12.3	36.9	





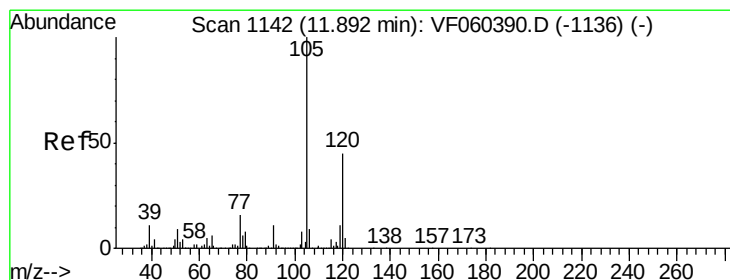
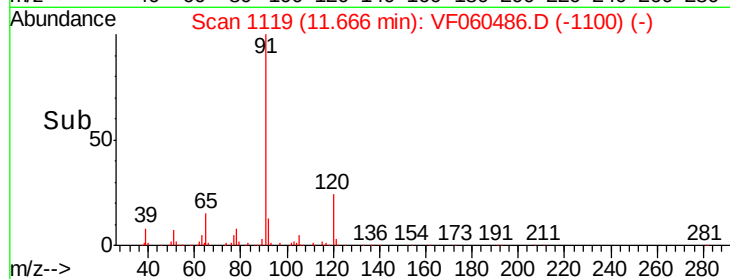
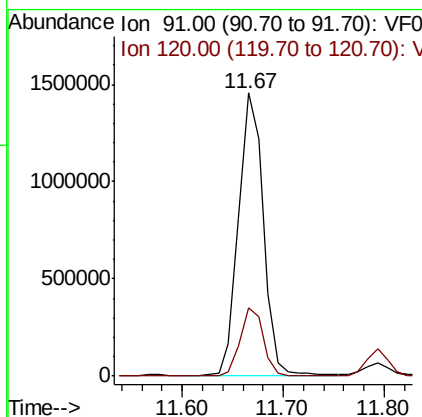
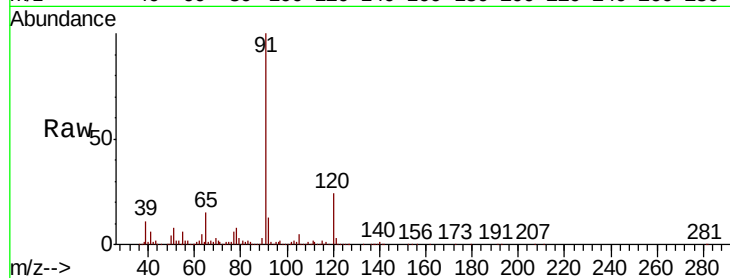
#78
n-propylbenzene
Concen: 132.813 ug/l
RT: 11.67 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
B-5(12-12.5)

Tgt Ion: 91 Resp: 2484629
Ion Ratio Lower Upper
91 100
120 24.1 10.5 31.6

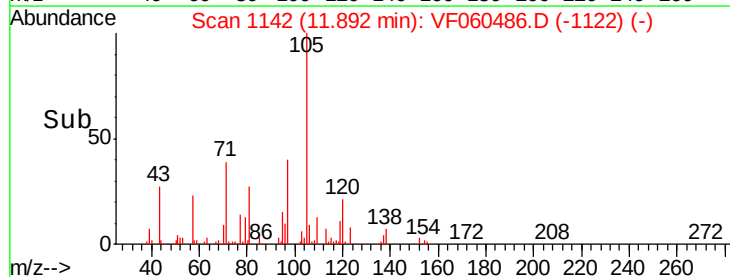
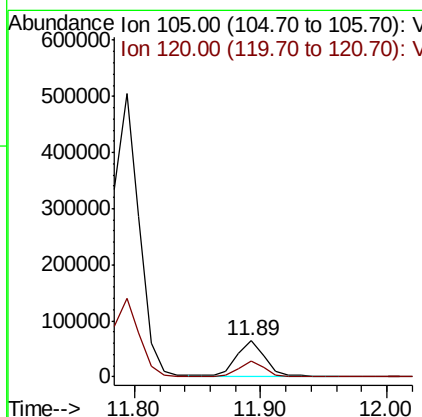
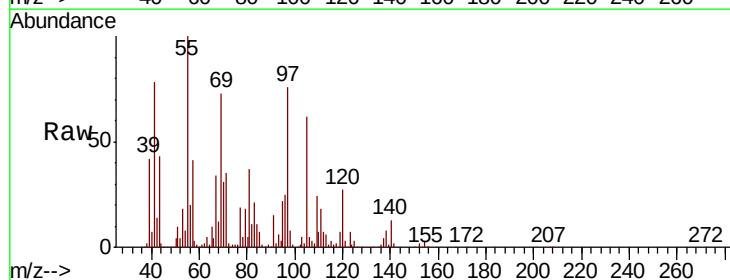
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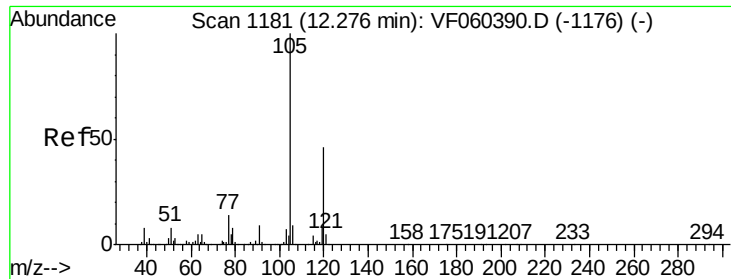
apatel
10/9/2018 8:53:35 AM



#80
1,3,5-Trimethylbenzene
Concen: 7.450 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Tgt Ion: 105 Resp: 97682
Ion Ratio Lower Upper
105 100
120 43.6 22.3 66.9





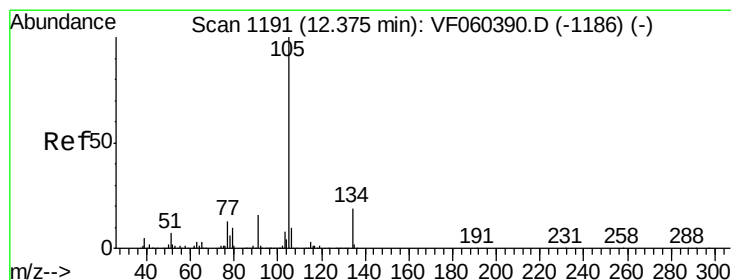
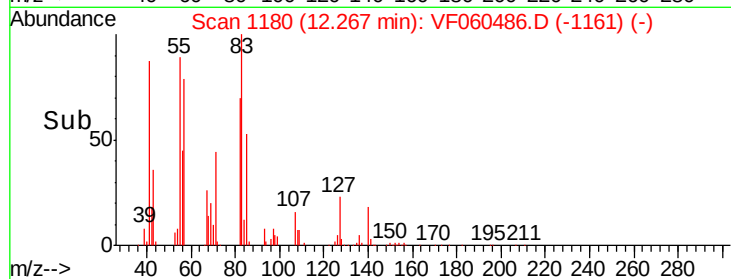
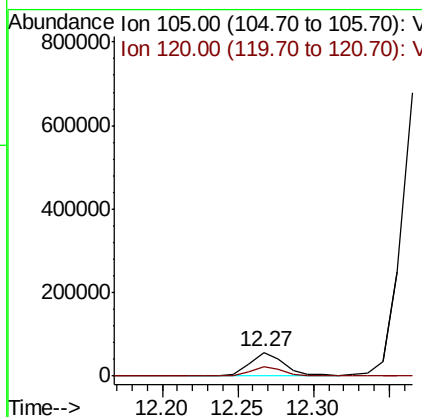
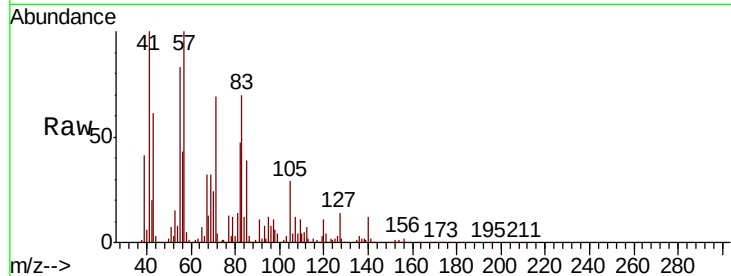
#84
 1,2,4-Trimethylbenzene
 Concen: 6.582 ug/l
 RT: 12.27 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VF060486.D
 Acq: 8 Oct 2018 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 B-5(12-12.5)

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.5	23.1	69.2

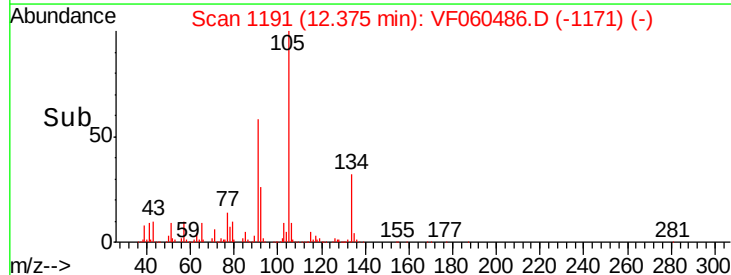
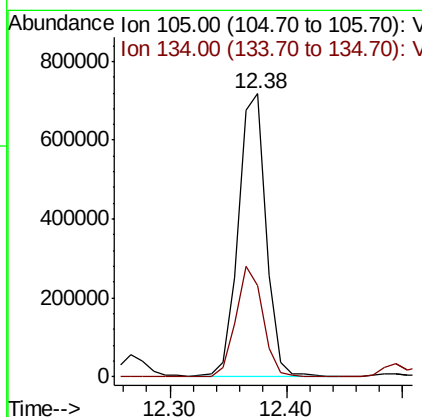
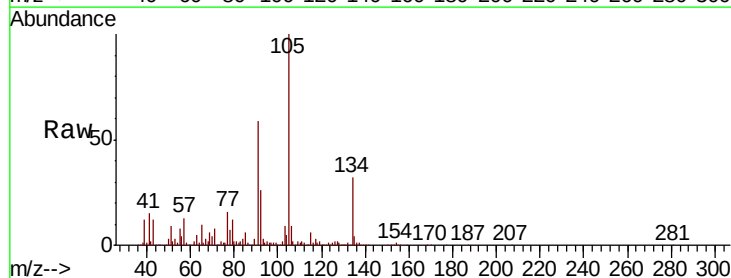
Manual Integrations
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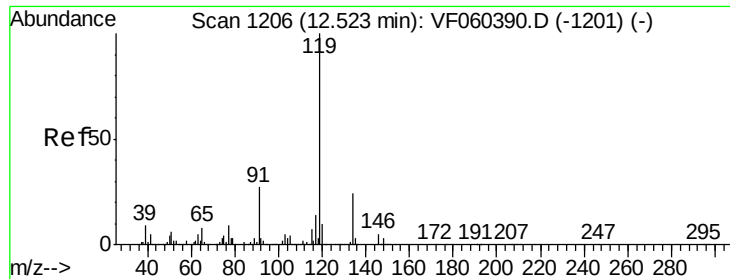
apatel
 10/9/2018 8:53:35 AM



#85
 sec-Butylbenzene
 Concen: 65.778 ug/l
 RT: 12.38 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF060486.D
 Acq: 8 Oct 2018 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
134	32.1	9.4	28.3





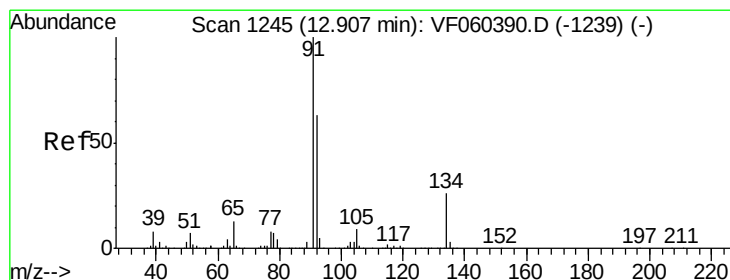
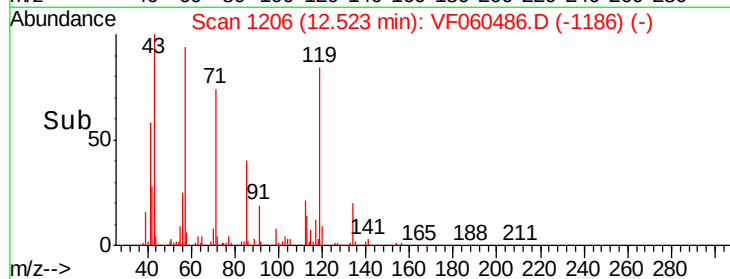
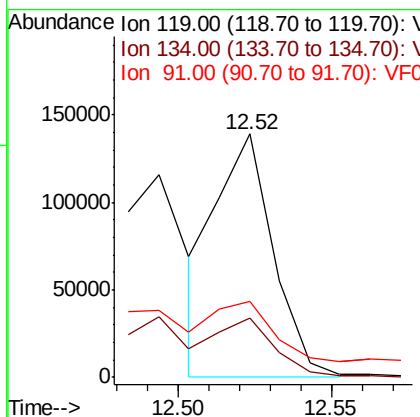
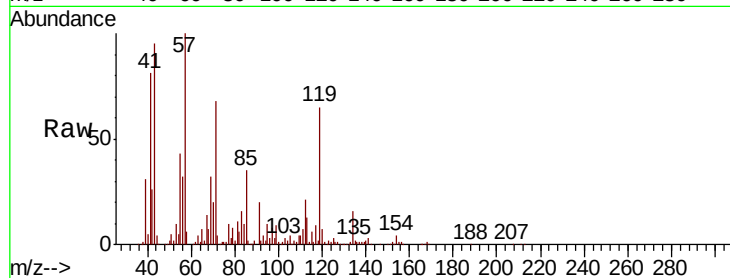
#86
p-Isopropyltoluene
Concen: 12.478 ug/l m
RT: 12.52 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
B-5(12-12.5)

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	181967		
134	24.5	12.3	36.8	
91	31.2	13.5	40.4	

Manual Integrations
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apatel
10/9/2018 8:53:35 AM



#89
n-Butylbenzene
Concen: 75.877 ug/l m
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF060486.D
Acq: 8 Oct 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1170869		
92	64.1	31.3	93.9	
134	33.0	13.0	38.9	

