

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
 Data File : VF060756.D
 Acq On : 15 Nov 2018 19:43
 Operator : VA/AP
 Sample : J5911-02
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FDSB-09(16-18)

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:25:52 PM

Quant Time: Nov 16 05:48:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	185048	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	300785	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	271734	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	154993	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	83029	39.34	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	78.68%	
35) Dibromofluoromethane	4.11	113	83582	36.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	73.94%	
50) Toluene-d8	7.55	98	225097	37.91	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	75.82%	
62) 4-Bromofluorobenzene	11.41	95	112343	41.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.56%	
Target Compounds						
19) Methyl tert-butyl Ether	2.43	73	6377	1.76	ug/l	# 83
20) Methylene Chloride	2.23	84	14682m	7.35	ug/l	
30) Chloroform	3.86	83	14430	2.91	ug/l	98
39) Methylcyclohexane	5.47	83	5375	1.33	ug/l	96
73) Isopropylbenzene	11.12	105	20430	1.64	ug/l	91
78) n-propylbenzene	11.60	91	47444	3.26	ug/l	95
84) 1,2,4-Trimethylbenzene	12.21	105	13176	1.29	ug/l	87
85) sec-Butylbenzene	12.31	105	15883	1.11	ug/l	# 74
86) p-Isopropyltoluene	12.46	119	23586	1.98	ug/l	90
89) n-Butylbenzene	12.85	91	23851	1.96	ug/l	87
95) Naphthalene	14.46	128	17643	2.76	ug/l	95

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

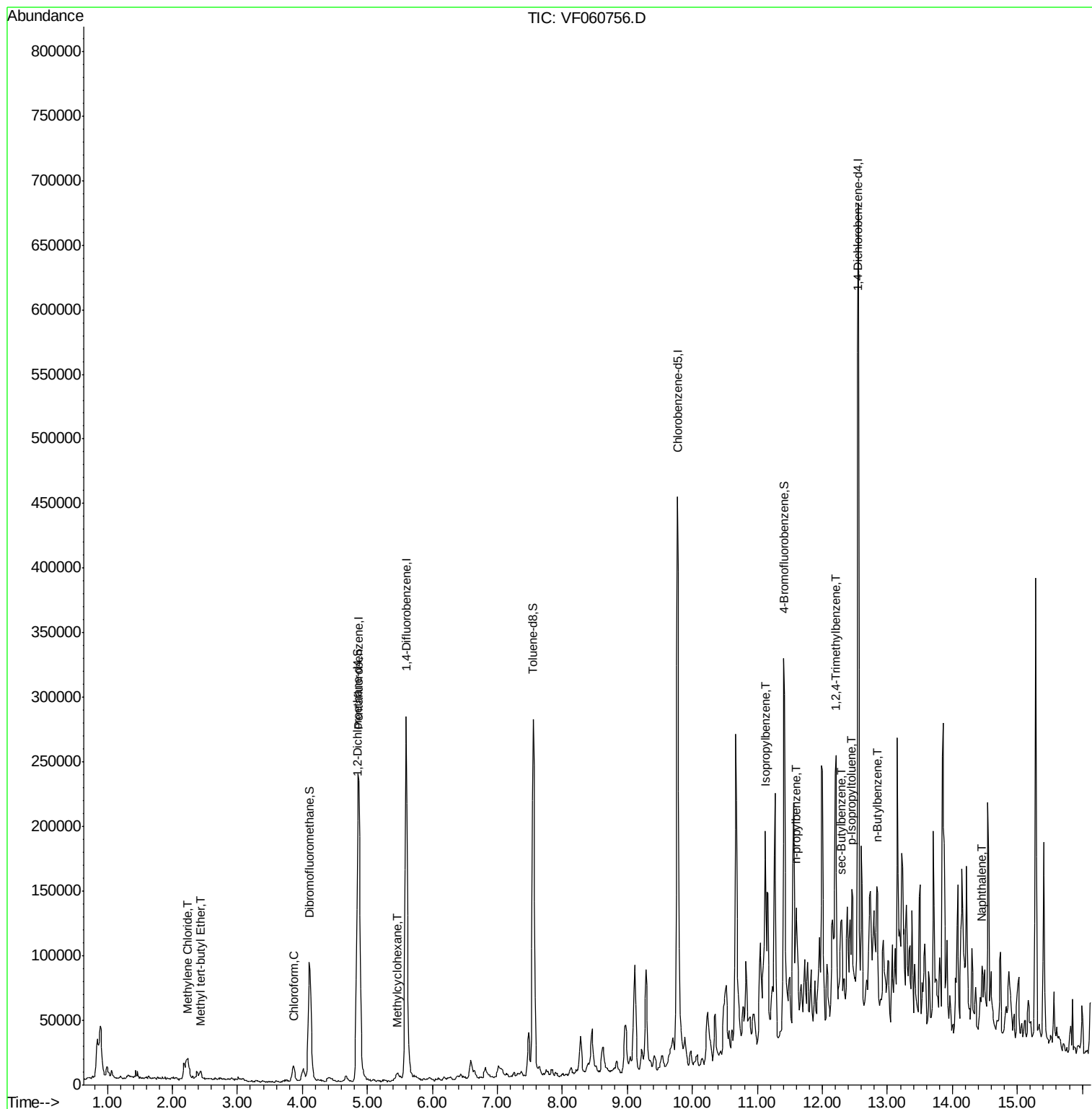
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
Data File : VF060756.D
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ALS Vial : 21 Sample Multiplier: 1

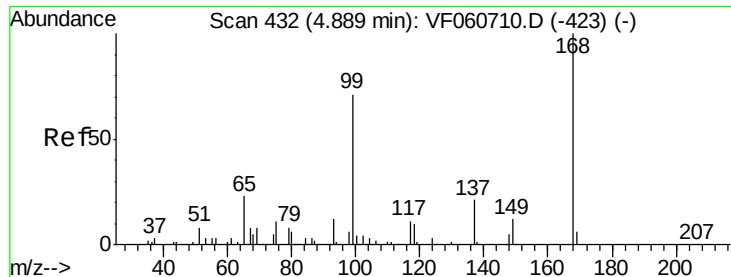
Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

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Quant Time: Nov 16 05:48:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060756.D

Acq: 15 Nov 2018 19:43

Instrument :

MSVOA_F

ClientSampleId :

FDSB-09(16-18)

Tgt Ion:168 Resp: 185048

Ion Ratio Lower Upper

168 100

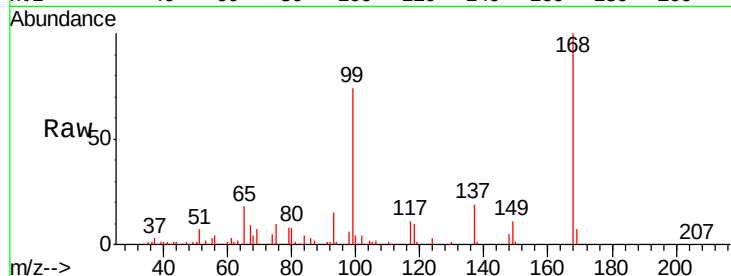
99 74.2 57.2 85.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

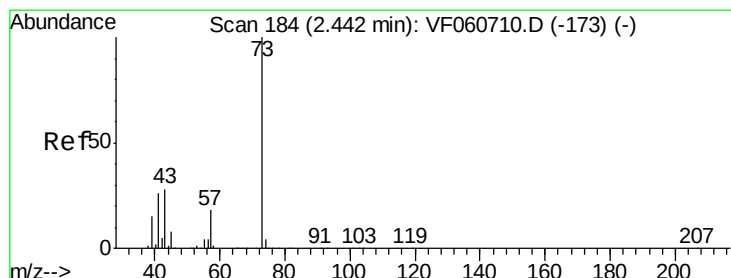
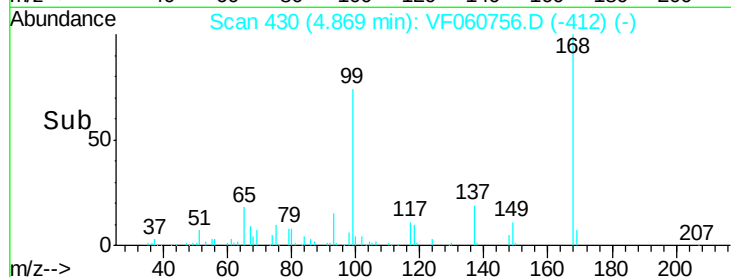
60000

40000

20000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 1.76 ug/l

RT: 2.43 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060756.D

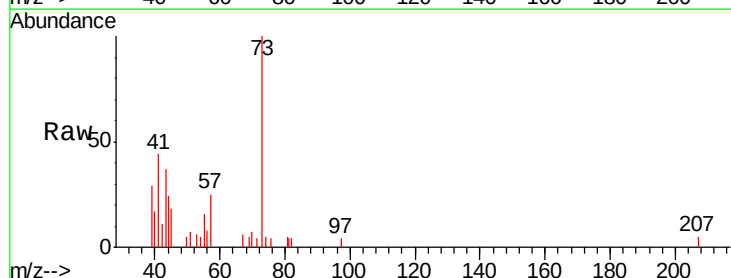
Acq: 15 Nov 2018 19:43

Tgt Ion: 73 Resp: 6377

Ion Ratio Lower Upper

73 100

57 25.2 14.3 21.5#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.43

3000

2500

2000

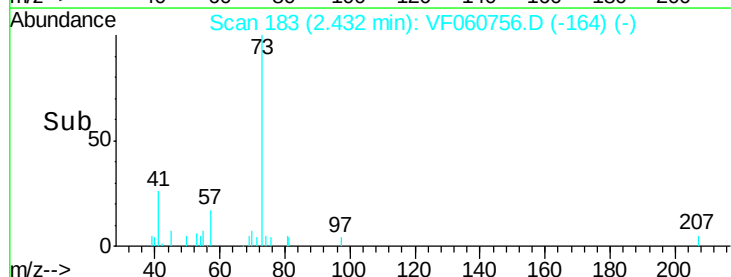
1500

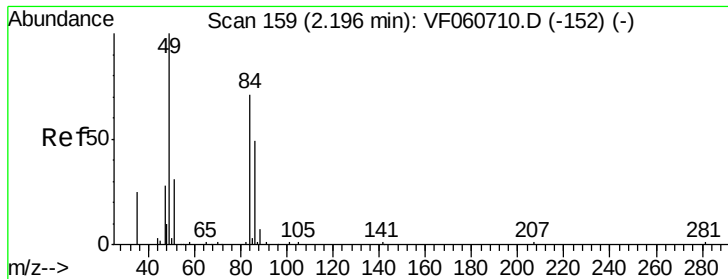
1000

500

0

Time-->





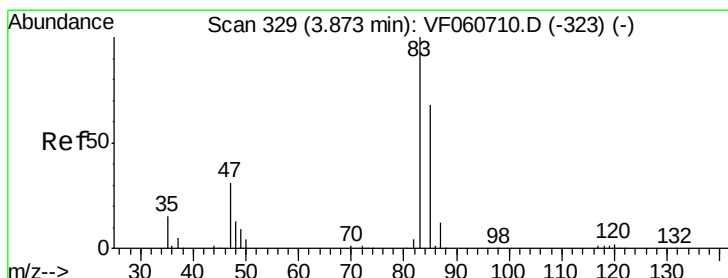
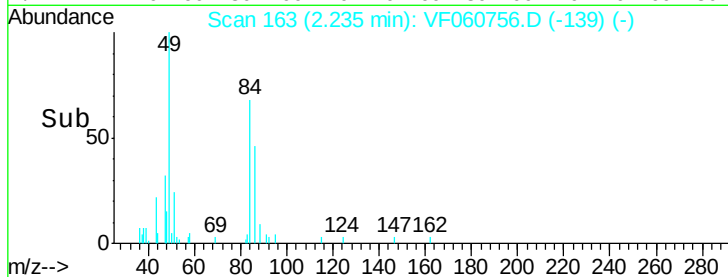
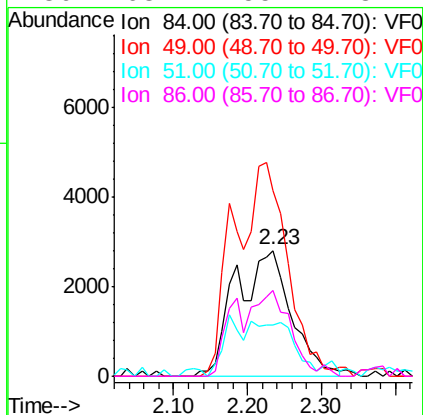
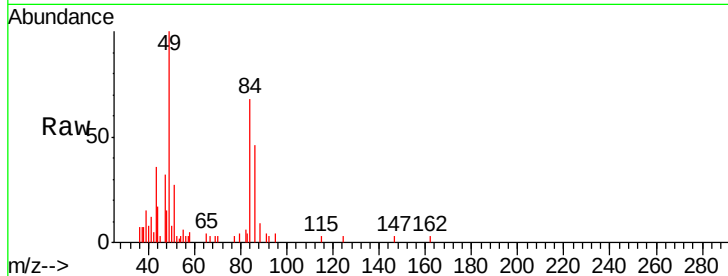
#20
Methylene Chloride
Concen: 7.35 ug/l m
RT: 2.23 min Scan# 163
Delta R.T. 0.04 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

Tgt Ion:	84	Resp:	14682
Ion	Ratio	Lower	Upper
84	100		
49	147.6	120.2	180.4
51	40.2	37.2	55.8
86	68.1	55.1	82.7

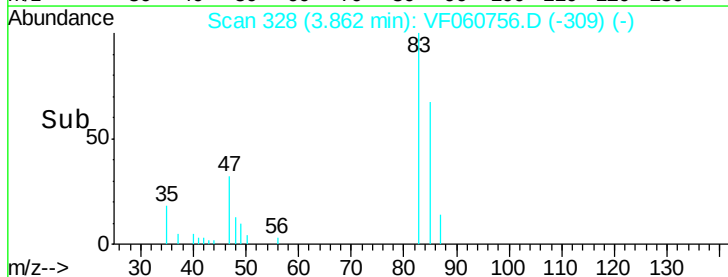
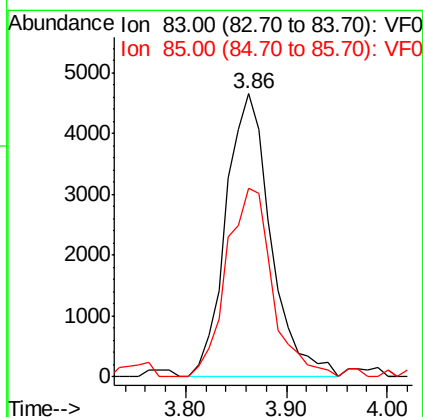
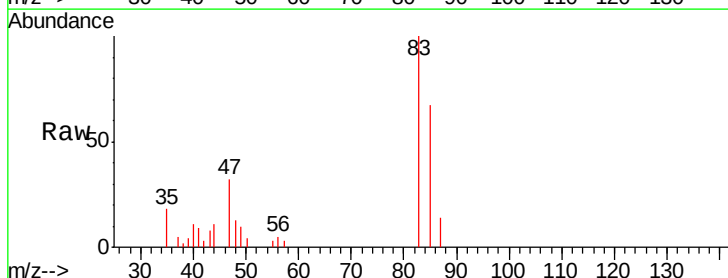
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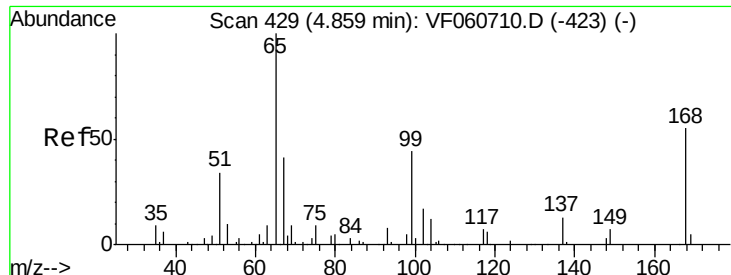
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#30
Chloroform
Concen: 2.91 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Tgt Ion:	83	Resp:	14430
Ion	Ratio	Lower	Upper
83	100		
85	66.5	54.6	82.0





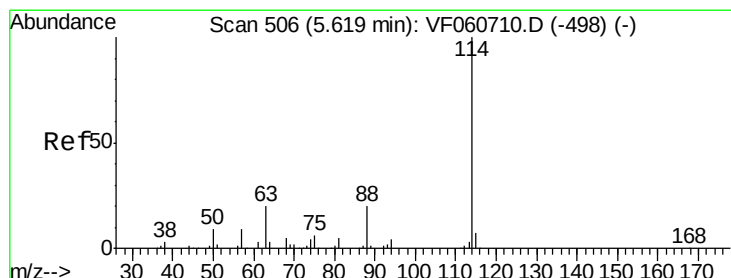
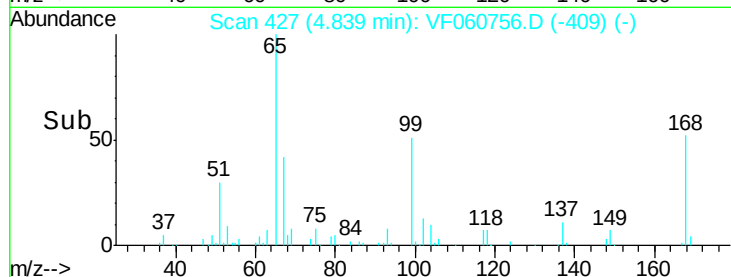
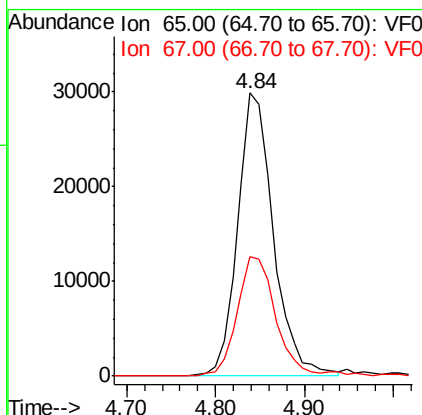
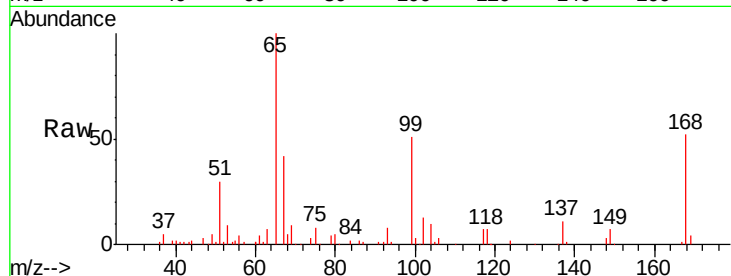
#33
 1,2-Dichloroethane-d4
 Concen: 39.34 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: VF060756.D
 Acq: 15 Nov 2018 19:43

Instrument :
 MSVOA_F
 ClientSampleId :
 FDSB-09(16-18)

Tgt Ion: 65 Resp: 83029
 Ion Ratio Lower Upper
 65 100
 67 42.4 0.0 90.2

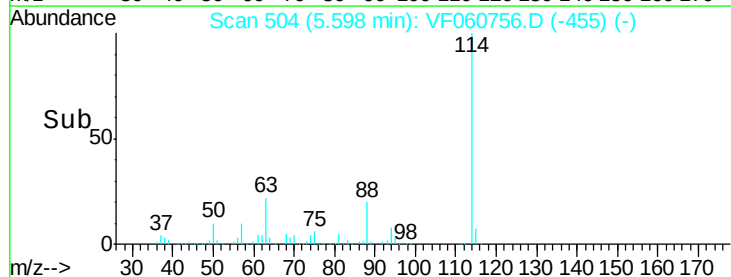
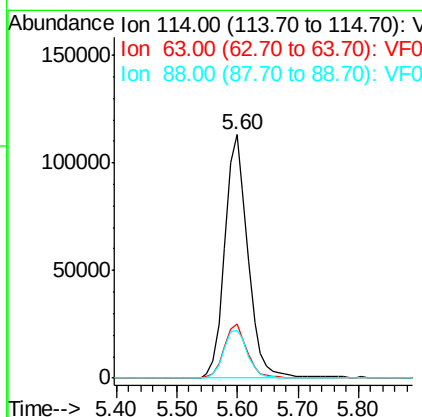
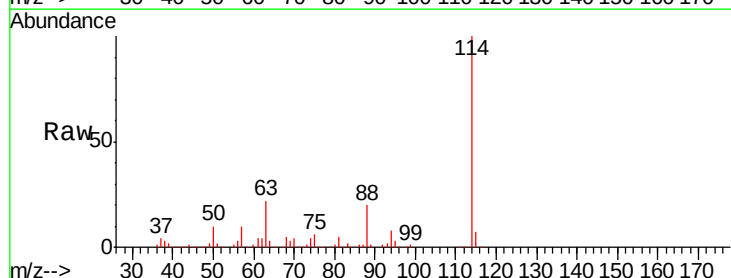
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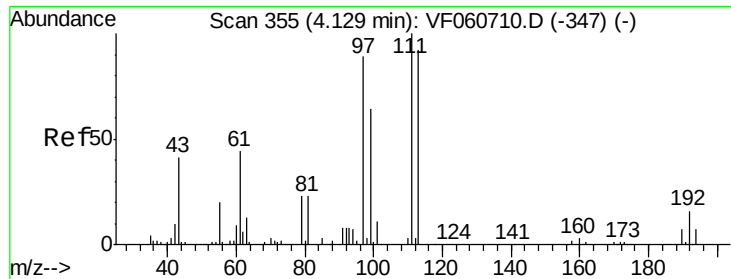
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: VF060756.D
 Acq: 15 Nov 2018 19:43

Tgt Ion: 114 Resp: 300785
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 40.8
 88 19.6 0.0 39.6





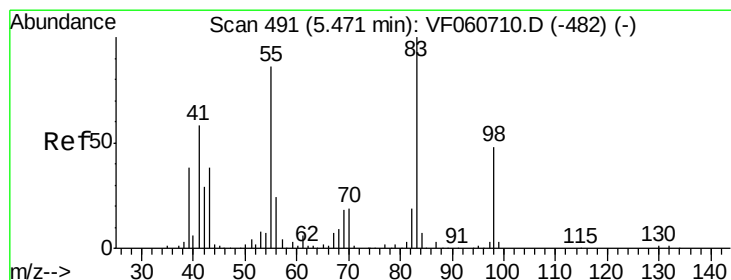
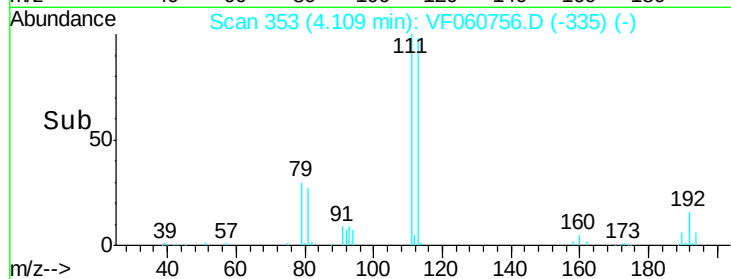
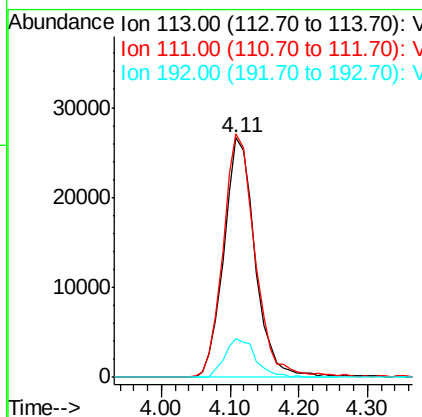
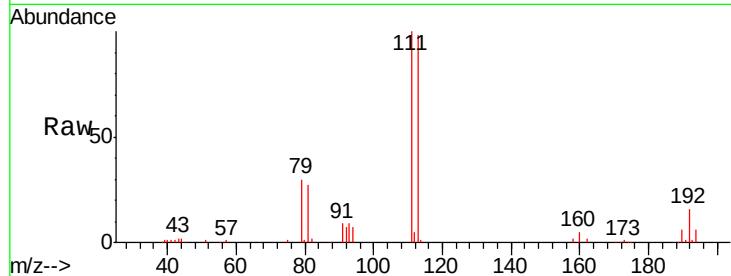
#35
Dibromofluoromethane
Concen: 36.97 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.02 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	83582		
111	101.7		87.1	130.7
192	16.2		13.8	20.6

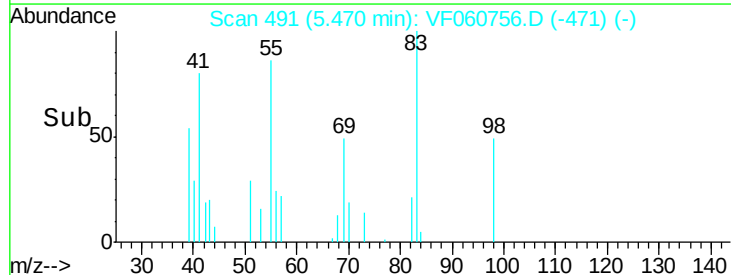
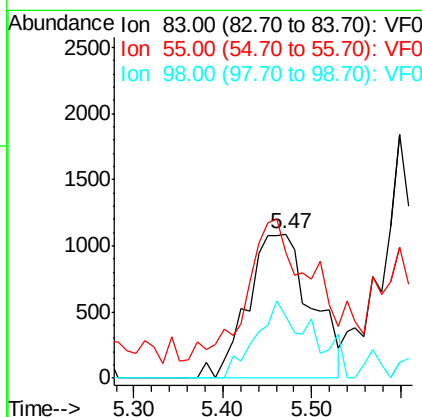
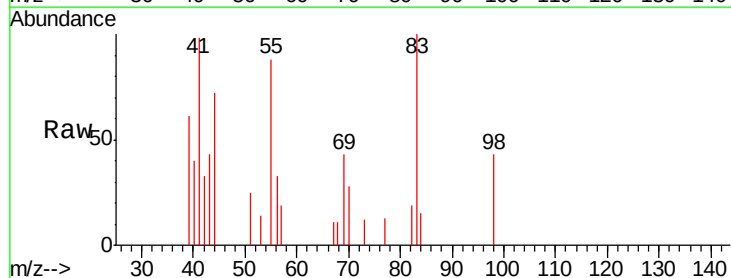
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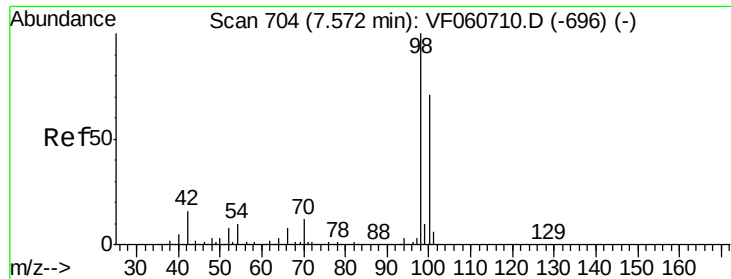
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#39
Methylcyclohexane
Concen: 1.33 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	5375		
55	87.5		69.0	103.4
98	42.5		38.5	57.7





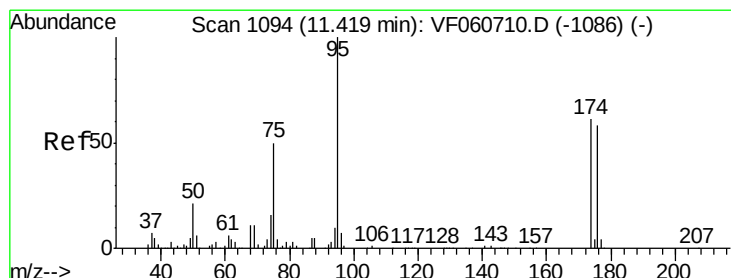
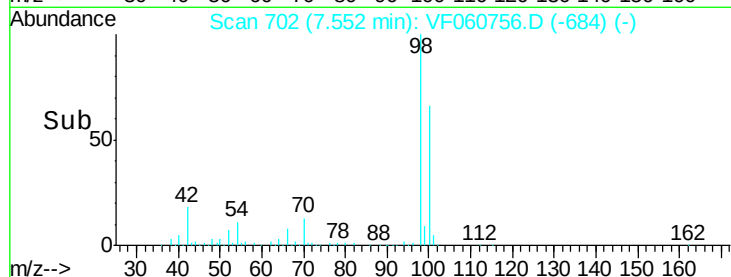
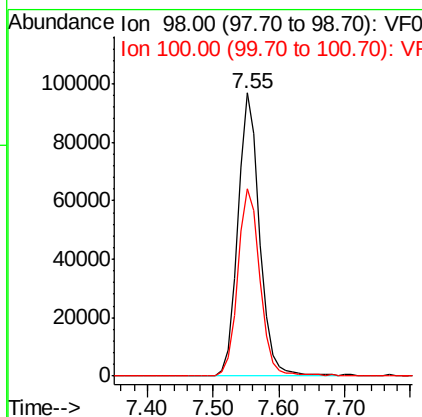
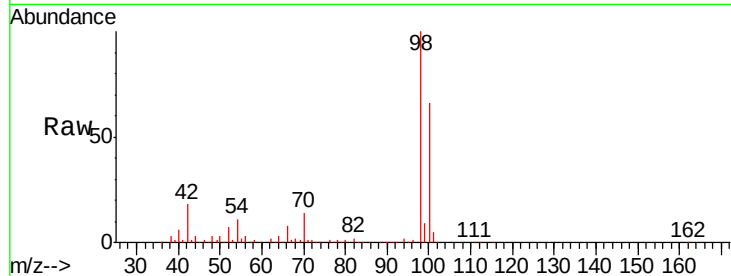
#50
Toluene-d8
Concen: 37.91 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.02 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

Tgt Ion: 98 Resp: 225097
Ion Ratio Lower Upper
98 100
100 66.4 56.5 84.7

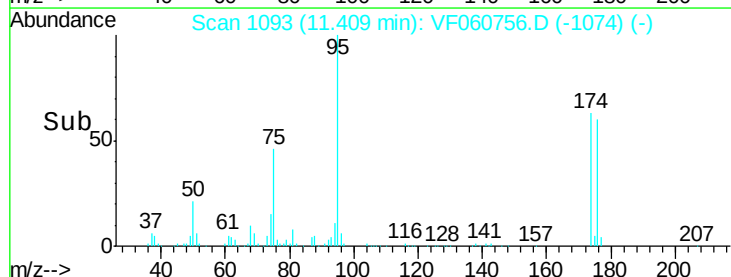
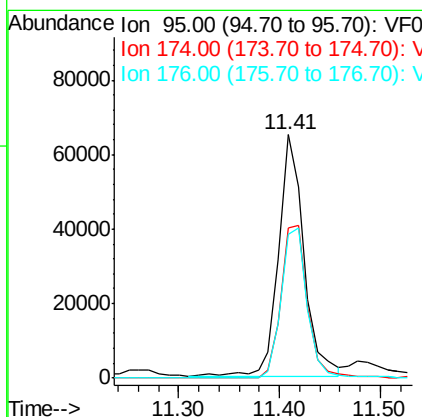
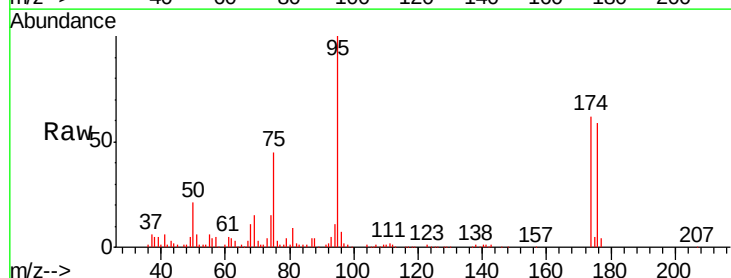
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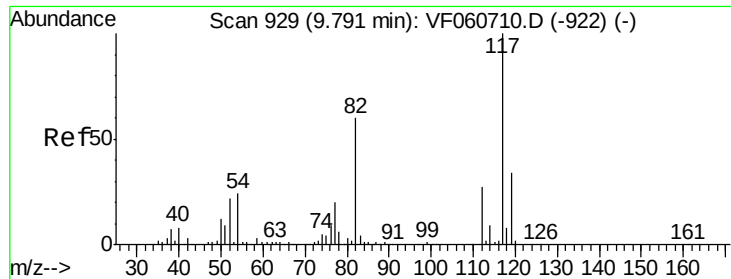
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#62
4-Bromofluorobenzene
Concen: 41.28 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Tgt Ion: 95 Resp: 112343
Ion Ratio Lower Upper
95 100
174 61.7 0.0 121.6
176 58.8 0.0 115.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF060756.D

Acq: 15 Nov 2018 19:43

Instrument :

MSVOA_F

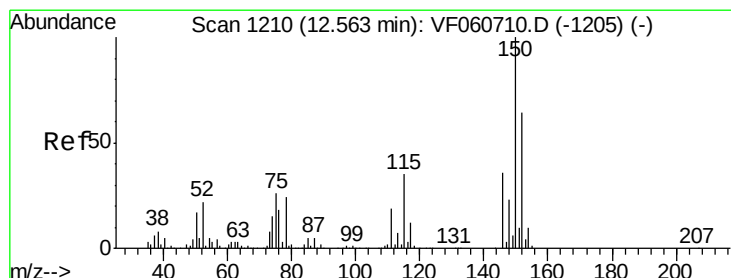
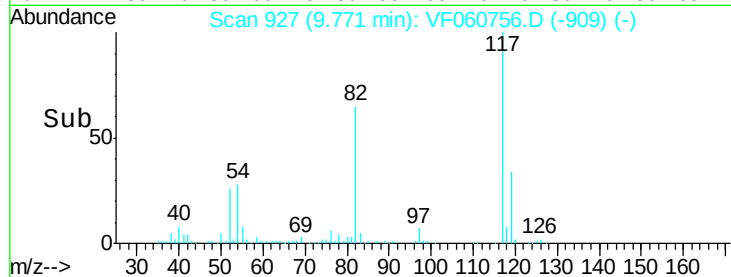
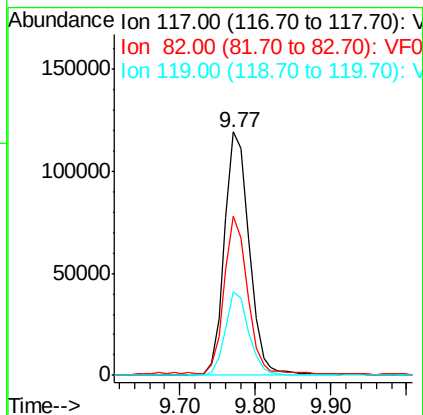
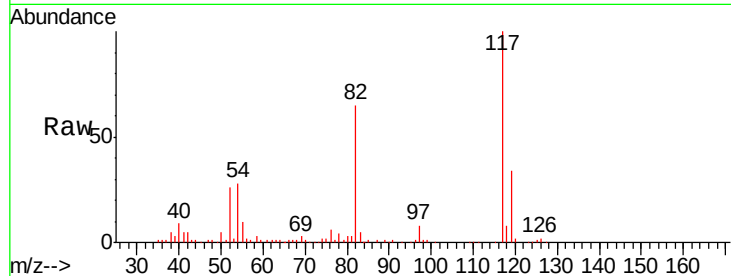
ClientSampleId :

FDSB-09(16-18)

Tgt Ion:	117	Resp:	271734
Ion Ratio	Lower	Upper	
117	100		
82	65.2	47.9	71.9
119	34.1	26.8	40.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

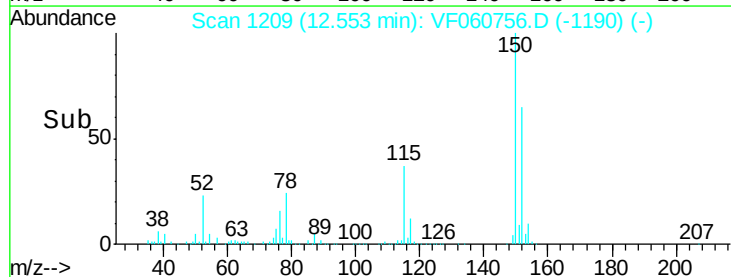
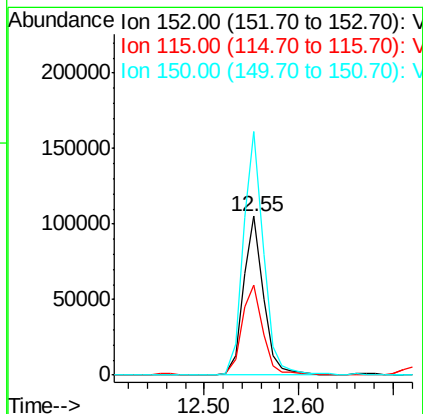
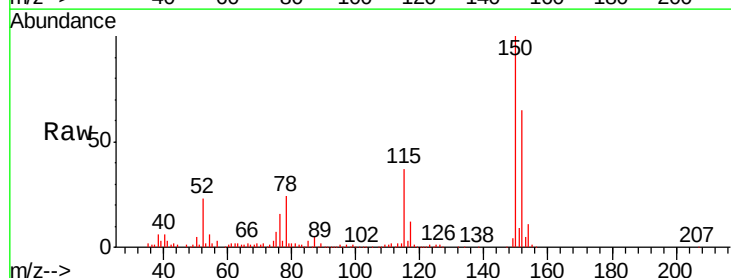
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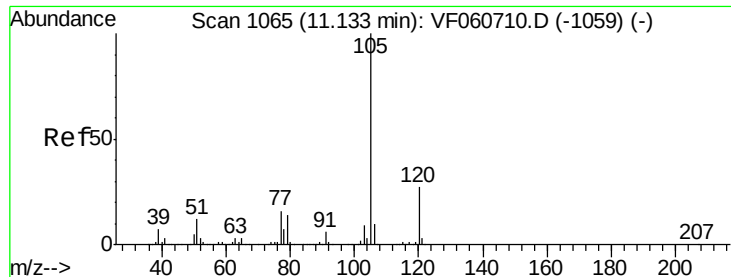
Delta R.T. -0.01 min

Lab File: VF060756.D

Acq: 15 Nov 2018 19:43

Tgt Ion:	152	Resp:	154993
Ion Ratio	Lower	Upper	
152	100		
115	57.0	27.9	83.7
150	153.5	0.0	316.4





#73

Isopropylbenzene

Concen: 1.64 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060756.D

Acq: 15 Nov 2018 19:43

Instrument :

MSVOA_F

ClientSampleId :

FDSB-09(16-18)

Tgt Ion: 105 Resp: 20430

Ion Ratio Lower Upper

105 100

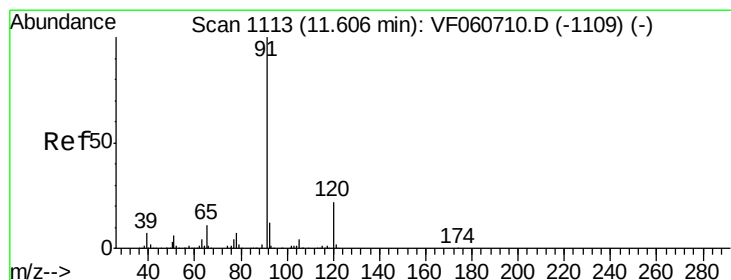
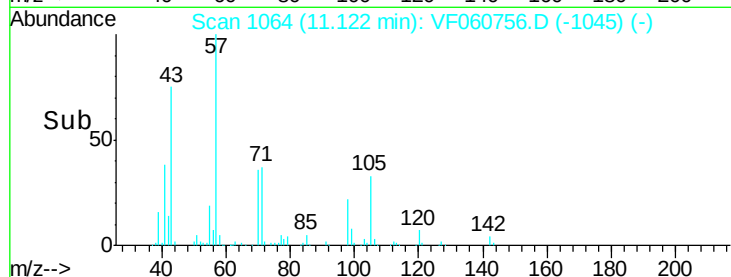
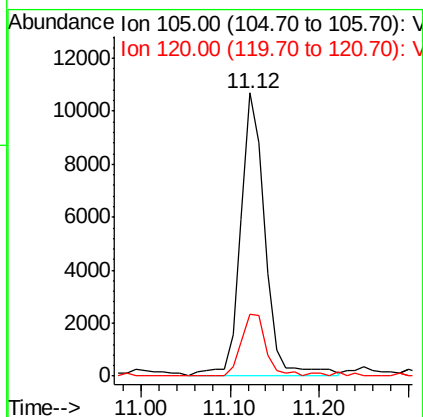
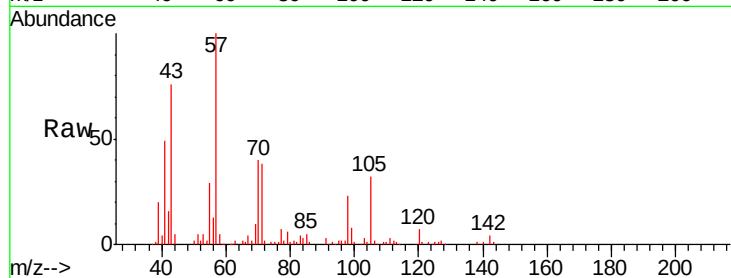
120 21.9 13.4 40.1

Manual Integrations

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11/16/2018 1:25:52 PM



#78

n-propylbenzene

Concen: 3.26 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060756.D

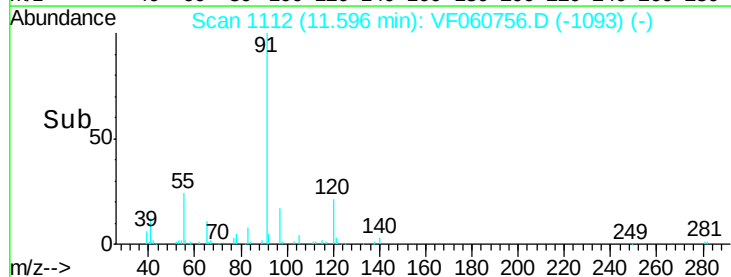
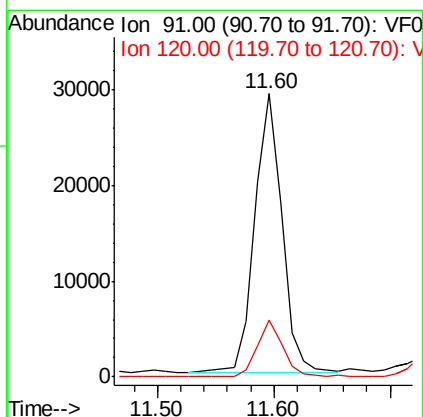
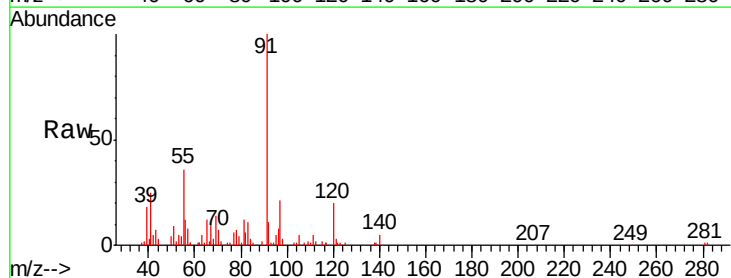
Acq: 15 Nov 2018 19:43

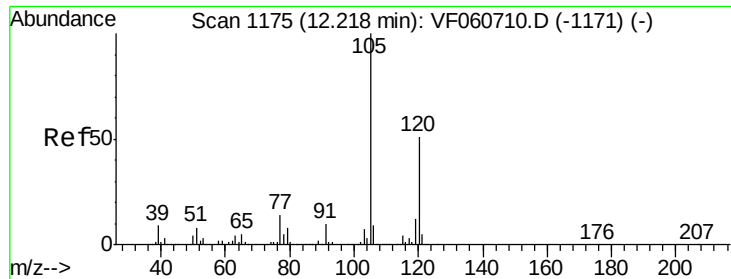
Tgt Ion: 91 Resp: 47444

Ion Ratio Lower Upper

91 100

120 20.1 11.2 33.5





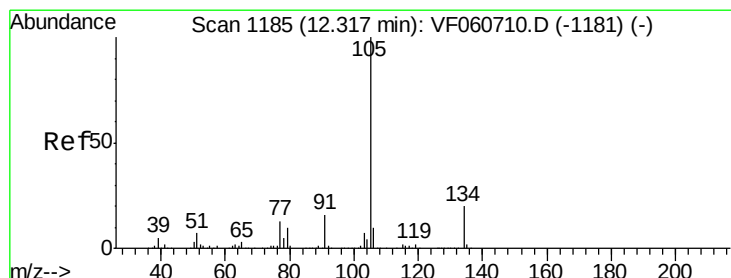
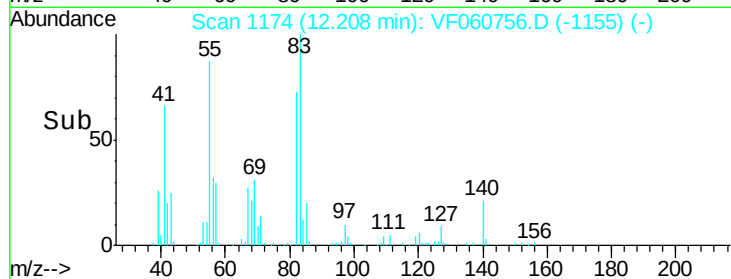
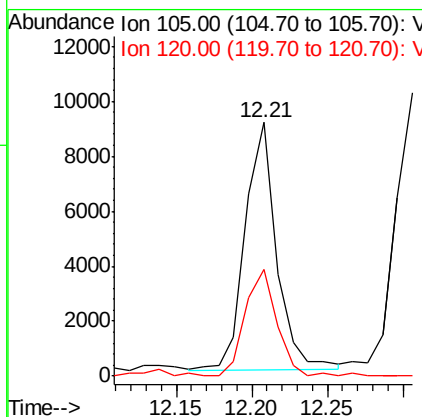
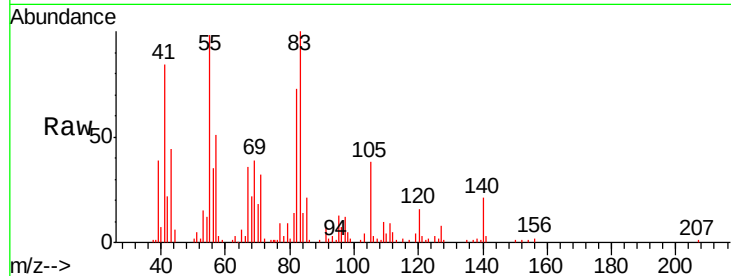
#84
1,2,4-Trimethylbenzene
Concen: 1.29 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

Tgt Ion:105 Resp: 13176
Ion Ratio Lower Upper
105 100
120 42.0 25.5 76.5

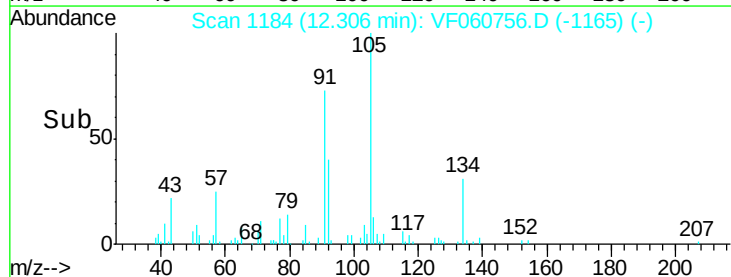
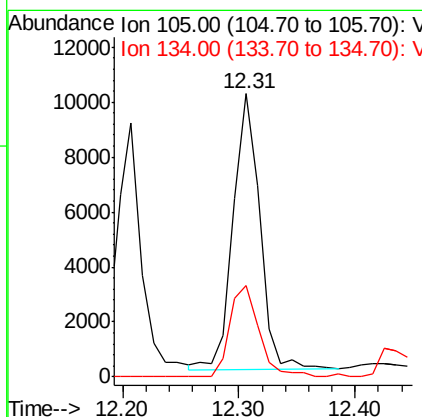
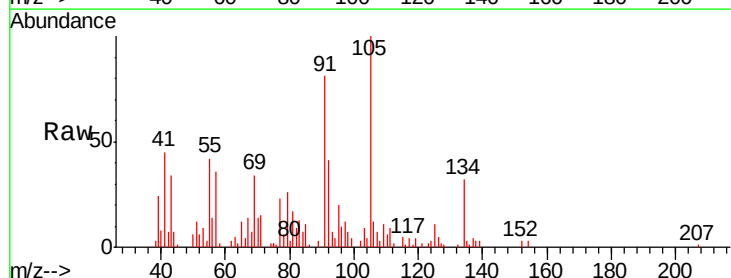
Manual Integrations
APPROVED

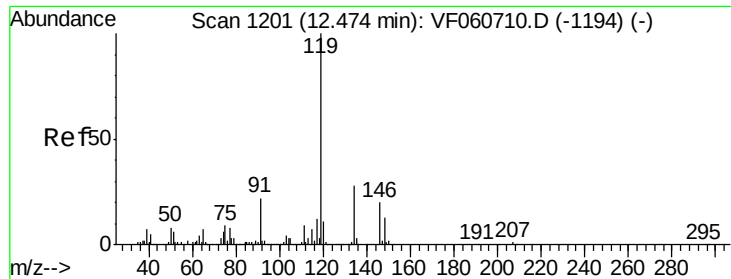
MMDadoda
11/16/2018 1:25:52 PM



#85
sec-Butylbenzene
Concen: 1.11 ug/l
RT: 12.31 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Tgt Ion:105 Resp: 15883
Ion Ratio Lower Upper
105 100
134 32.1 10.1 30.3#





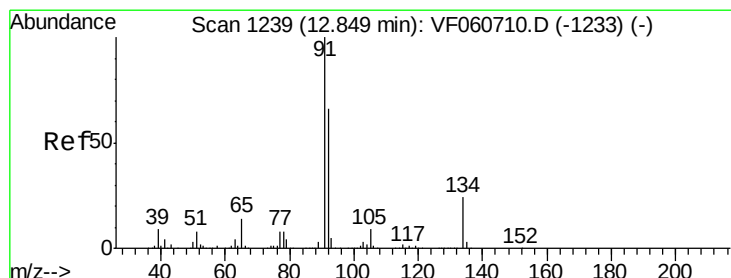
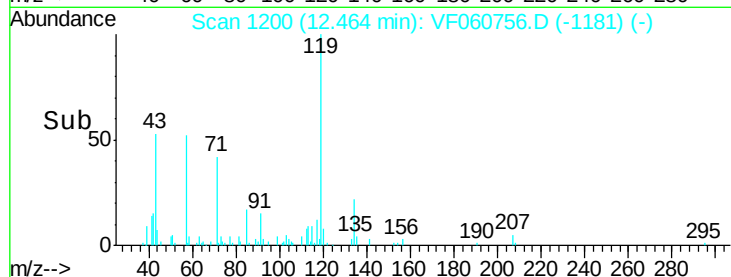
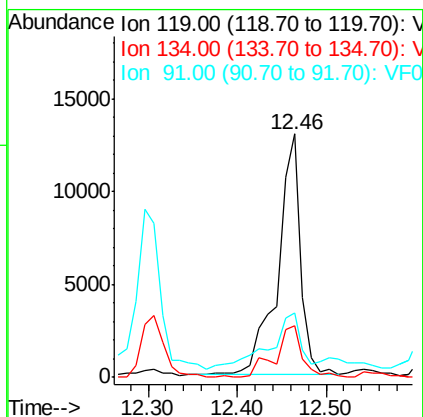
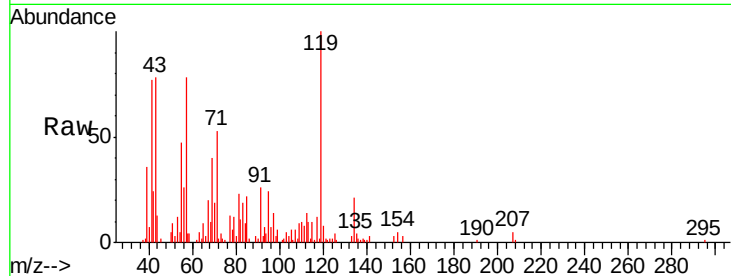
#86
p-Isopropyltoluene
Concen: 1.98 ug/l
RT: 12.46 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	23586		
134	21.3	13.9	41.7	
91	26.3	11.3	33.9	

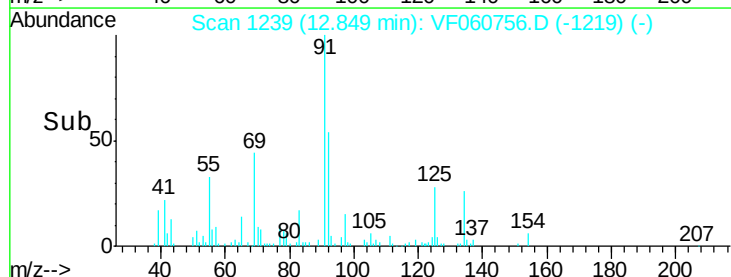
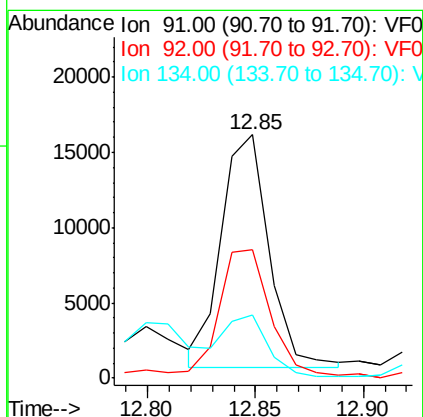
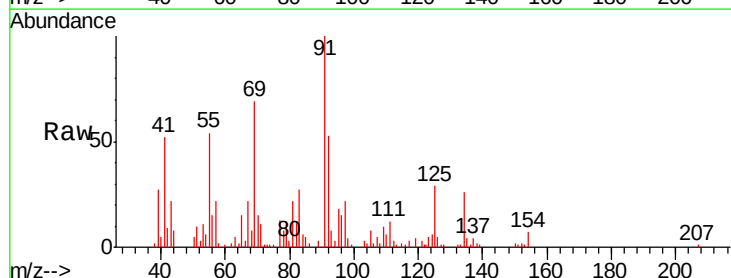
Manual Integrations
APPROVED

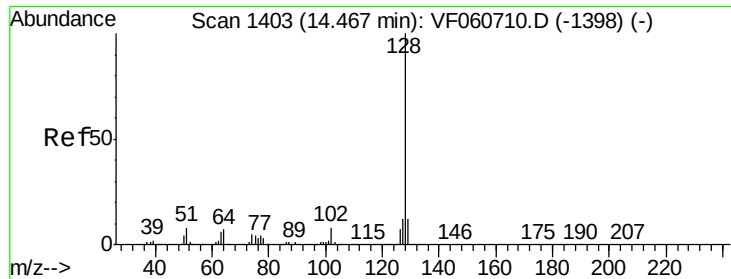
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11/16/2018 1:25:52 PM



#89
n-Butylbenzene
Concen: 1.96 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	23851		
92	52.7	33.1	99.2	
134	26.0	11.9	35.9	





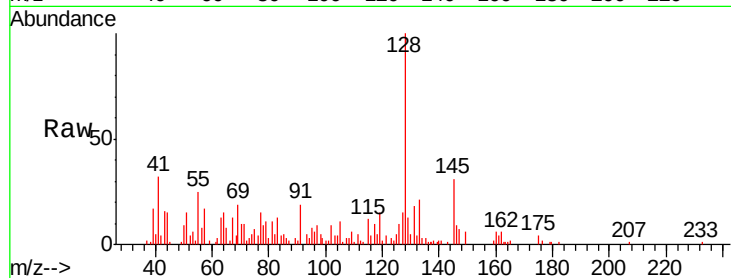
#95
Naphthalene
Concen: 2.76 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060756.D
Acq: 15 Nov 2018 19:43

Instrument :
MSVOA_F
ClientSampleId :
FDSB-09(16-18)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	9.8	14.6
129	12.9	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
11/16/2018 1:25:52 PM



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

