

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060004.D
 Acq On : 20 Aug 2018 16:09
 Operator : VA/AP
 Sample : J4274-03
 Misc : 4.02g/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-02-081718

Manual Integrations
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 8/21/2018 10:01:42 AM

Quant Time: Aug 21 07:27:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	122581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	172446	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	168017	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	102225	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	126349	53.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.80%	
35) Dibromofluoromethane	4.29	113	97254	55.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	110.36%	
50) Toluene-d8	7.71	98	188097	47.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.52	95	108198	44.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.98%	
Target Compounds						
						Qvalue
16) Acetone	2.33	43	12171	7.82	ug/l	96
20) Methylene Chloride	2.28	84	6674	1.12	ug/l	91
39) Methylcyclohexane	5.62	83	4435	3.01	ug/l #	83
68) m/p-Xylenes	10.27	106	13433	6.44	ug/l	99
69) o-Xylene	10.84	106	5062	2.37	ug/l	95
73) Isopropylbenzene	11.23	105	6540	1.07	ug/l	92
78) n-propylbenzene	11.69	91	19336	2.54	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	117704	21.24	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	273924	46.95	ug/l	81
85) sec-Butylbenzene	12.39	105	7901m	1.10	ug/l	
86) p-Isopropyltoluene	12.54	119	7525m	1.18	ug/l	
95) Naphthalene	14.52	128	78687	21.94	ug/l	99

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

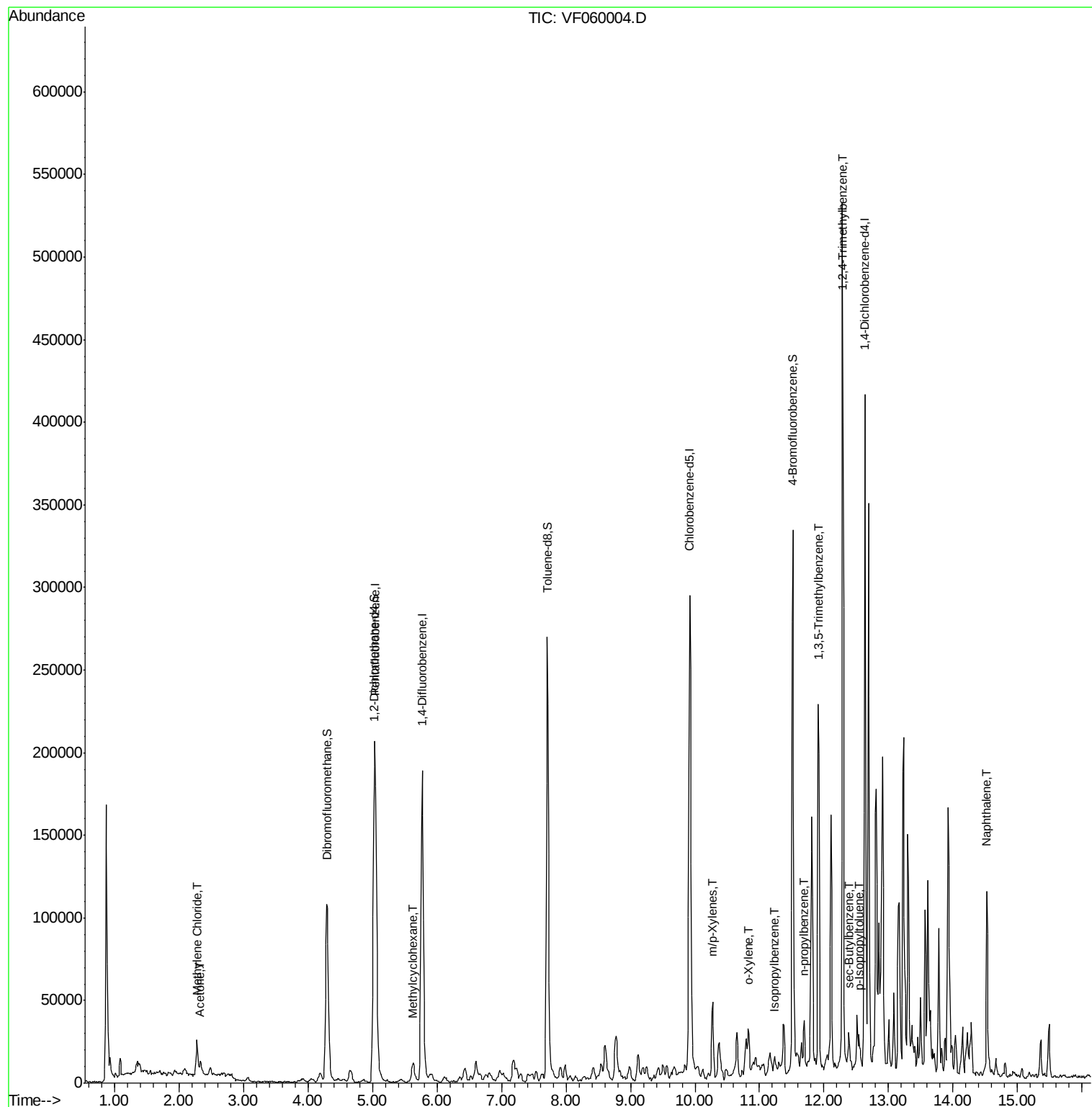
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060004.D
Acq On : 20 Aug 2018 16:09
Operator : VA/AP
Sample : J4274-03
Misc : 4.02a/5mL/MSVOA F/SOIL
ALS Vial : 34 Sample Multiplier: 1

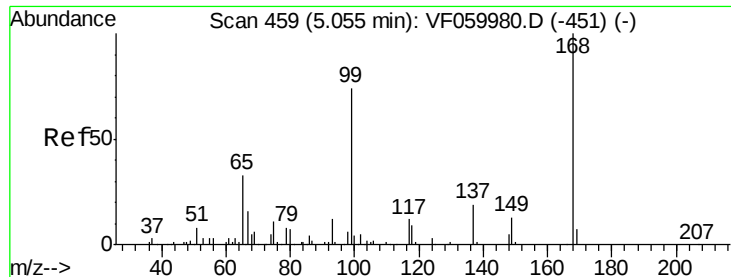
Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

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Quant Time: Aug 21 07:27:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060004.D

Acq: 20 Aug 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

HD-02-081718

Tot Ion:168 Resp: 122581

Ion Ratio Lower Upper

168 100

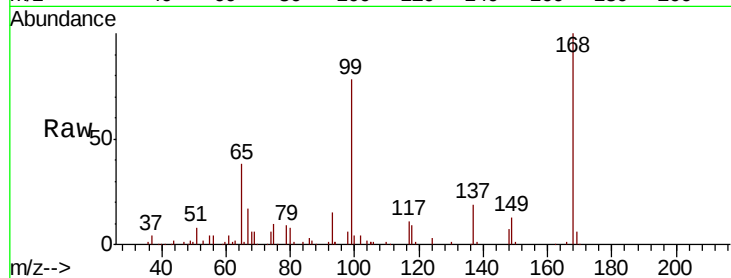
99 77.6 59.0 88.6

Manual Integrations

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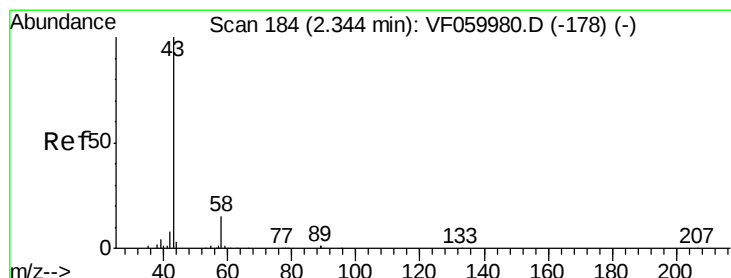
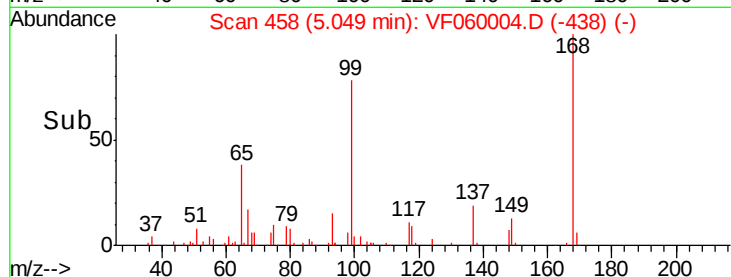
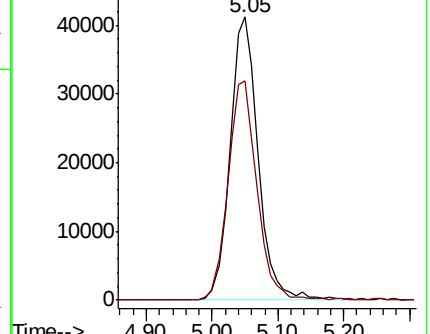
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 7.82 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060004.D

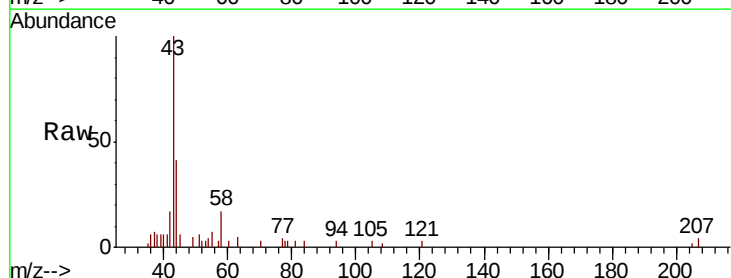
Acq: 20 Aug 2018 16:09

Tgt Ion: 43 Resp: 12171

Ion Ratio Lower Upper

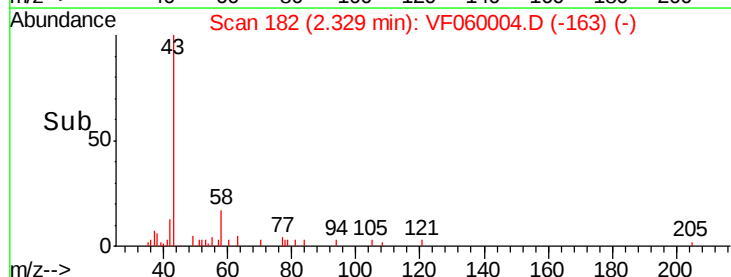
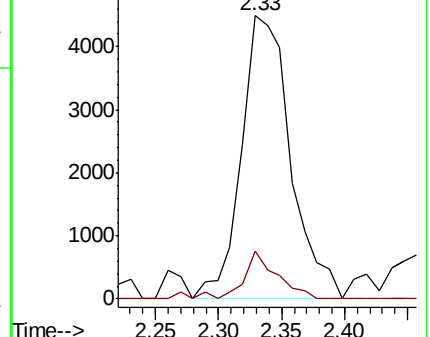
43 100

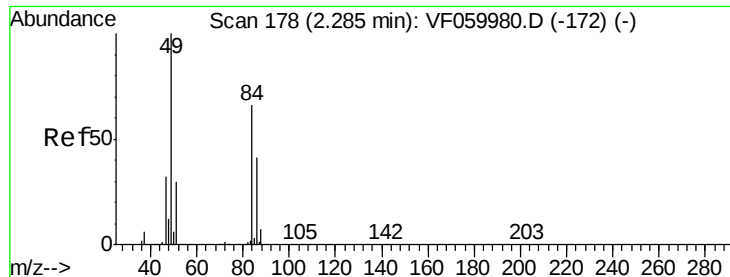
58 16.7 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





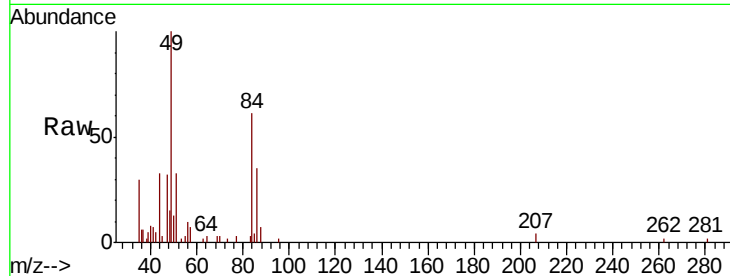
#20
Methvlene Chloride
Concen: 1.12 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

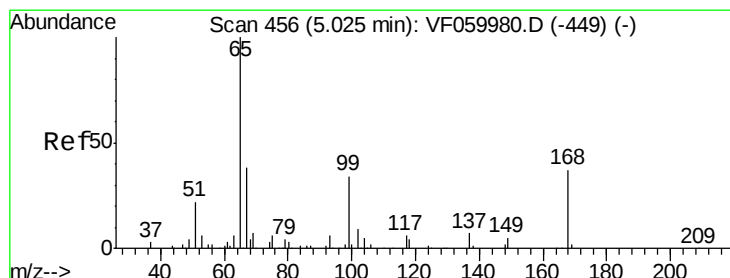
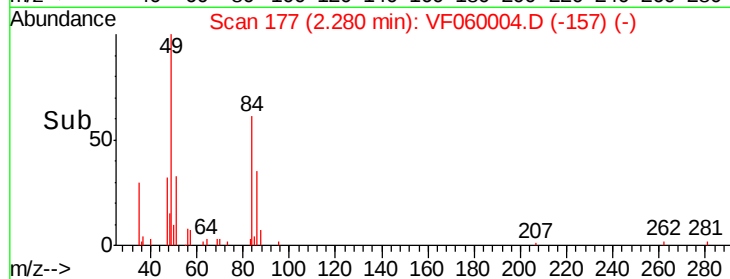
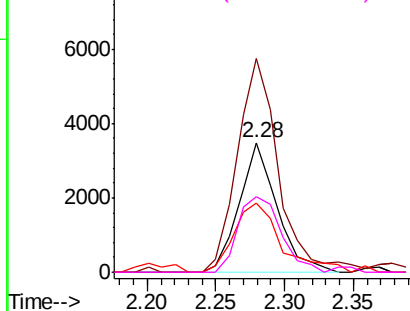
Tot Ion:	84	Resp:	6674
Ion	Ratio	Lower	Upper
84	100		
49	164.8	122.5	183.7
51	53.6	37.1	55.7
86	58.3	50.2	75.2

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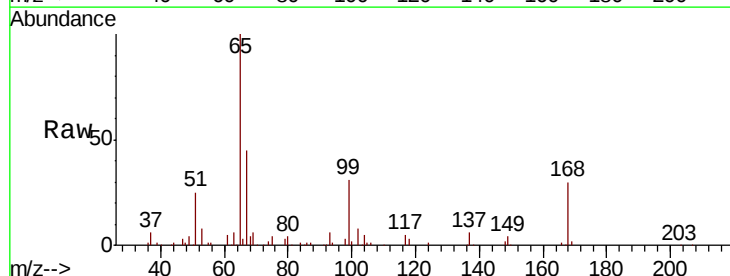


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

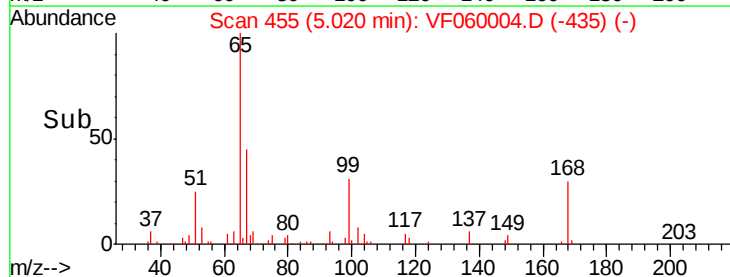
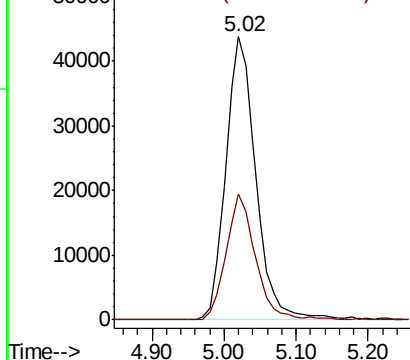


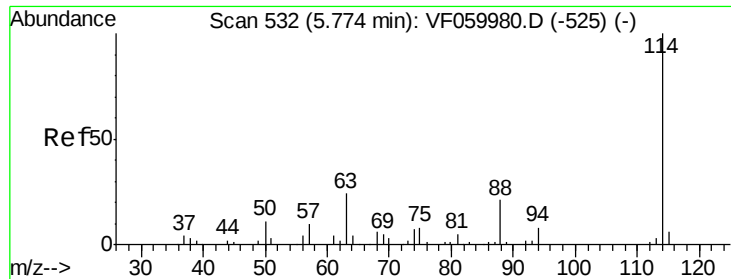
#33
1,2-Dichloroethane-d4
Concen: 53.40 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion:	65	Resp:	126349
Ion	Ratio	Lower	Upper
65	100		
67	44.6	0.0	82.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





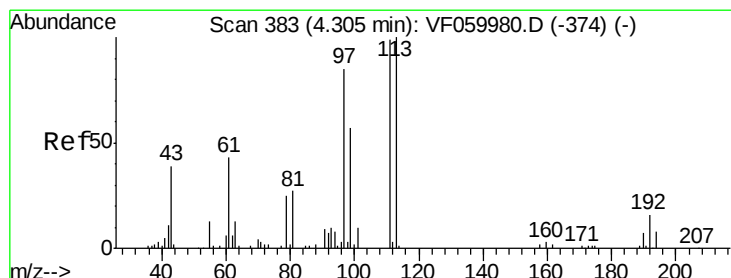
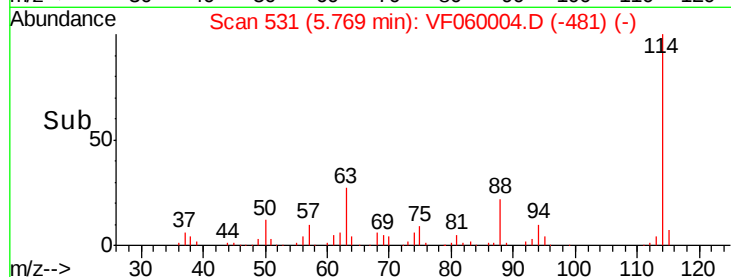
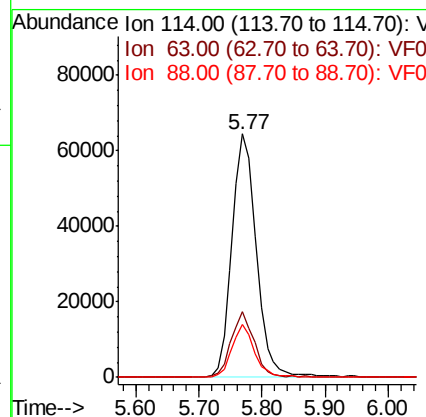
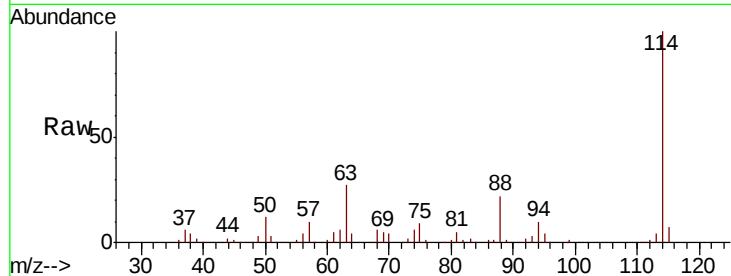
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060004.D
 Acq: 20 Aug 2018 16:09

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-02-081718

Tot Ion	Ratio	Resp	Lower	Upper
114	100	172446		
63	26.9	0.0	48.6	
88	21.5	0.0	42.8	

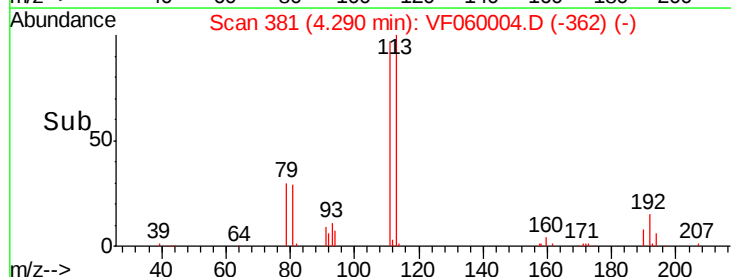
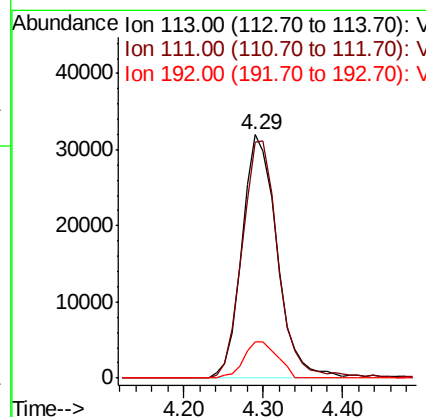
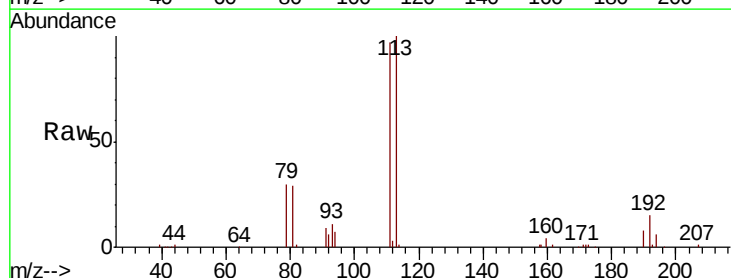
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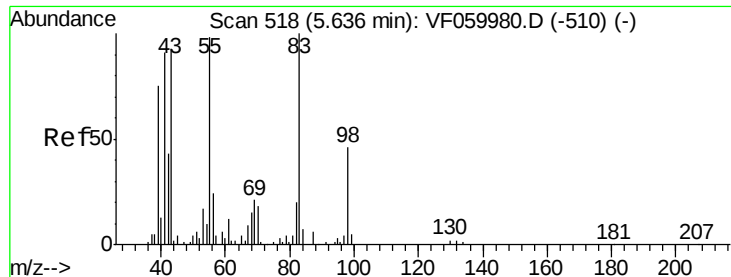
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#35
 Dibromofluoromethane
 Concen: 55.18 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VF060004.D
 Acq: 20 Aug 2018 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	97254		
111	96.7	79.5	119.3	
192	15.1	12.4	18.6	





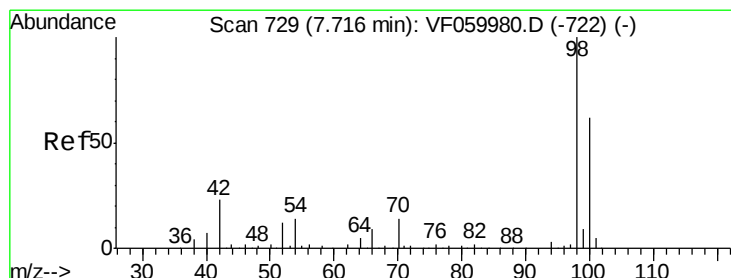
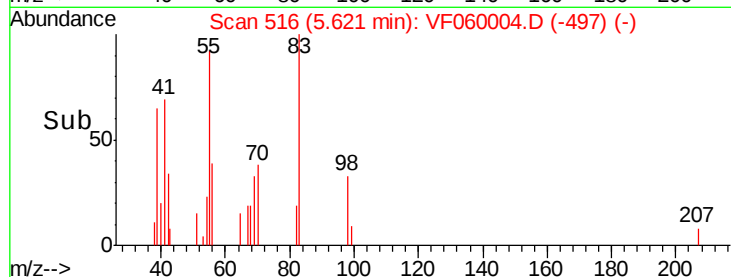
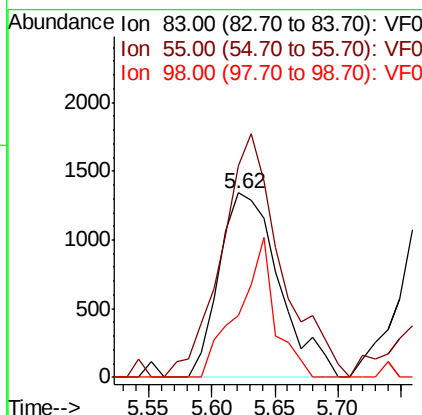
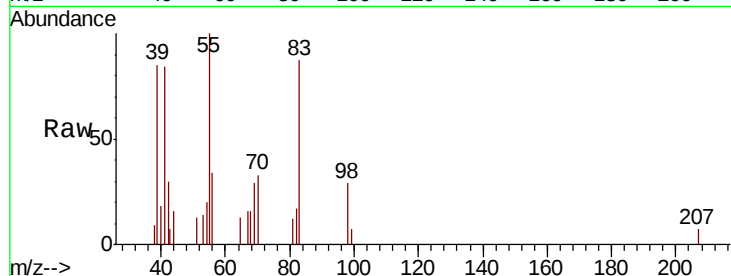
#39
Methylcyclohexane
Concen: 3.01 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tot Ion	Ratio	Lower	Upper
83	100		
55	114.4	78.8	118.2
98	33.2	36.8	55.2#

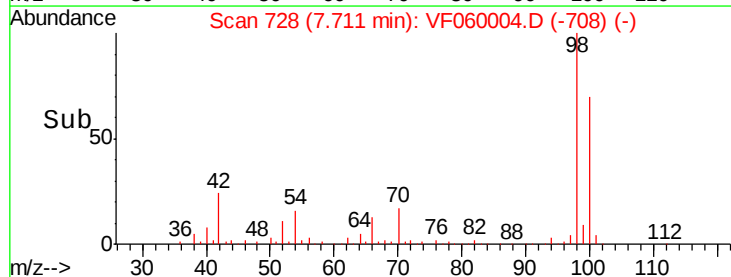
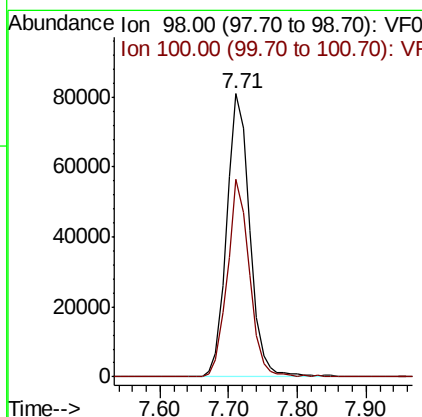
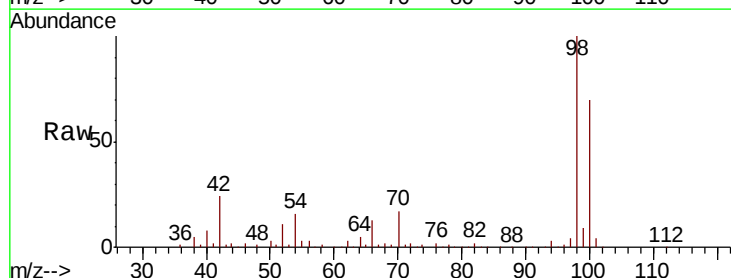
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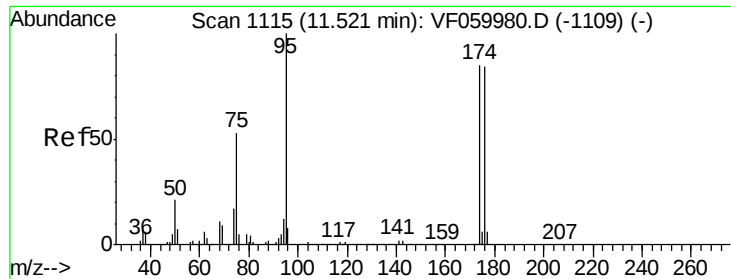
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#50
Toluene-d8
Concen: 47.99 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.8	49.8	74.8





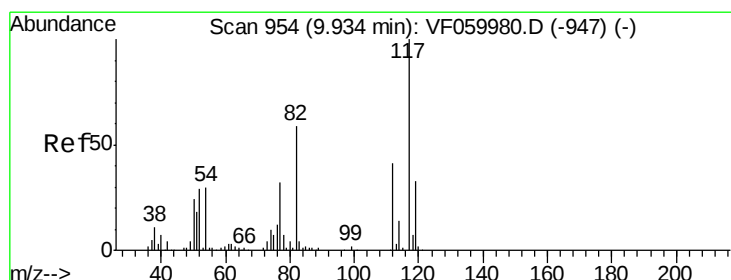
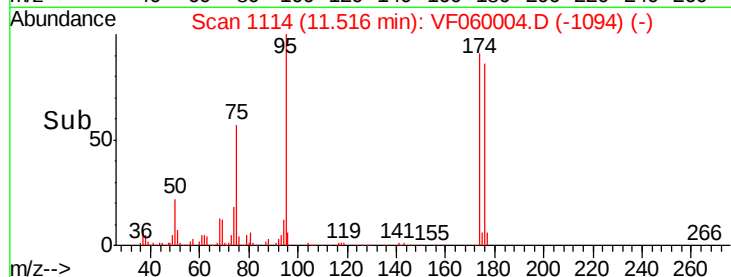
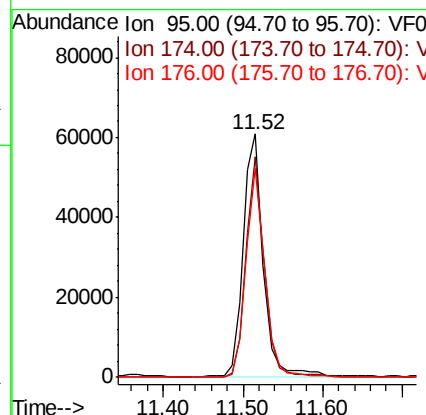
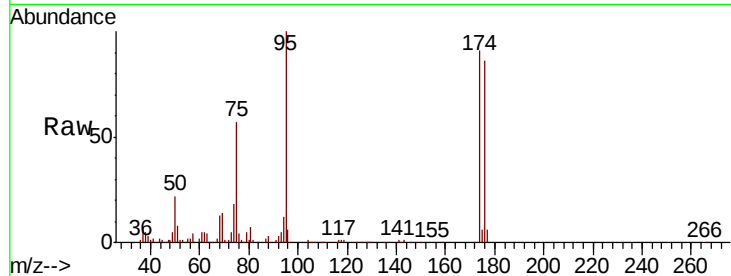
#62
4-Bromofluorobenzene
Concen: 44.99 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tot Ion	Ratio	Resp	Lower	Upper
95	100	108198		
174	90.8	0.0	169.8	
176	85.9	0.0	167.8	

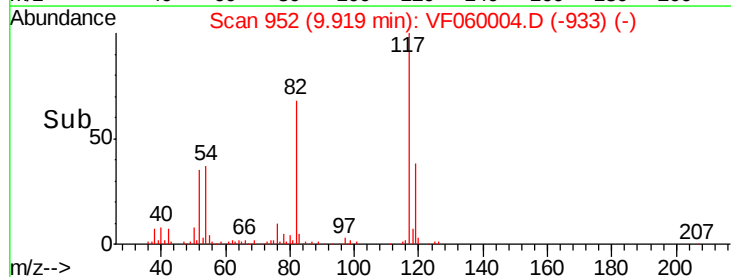
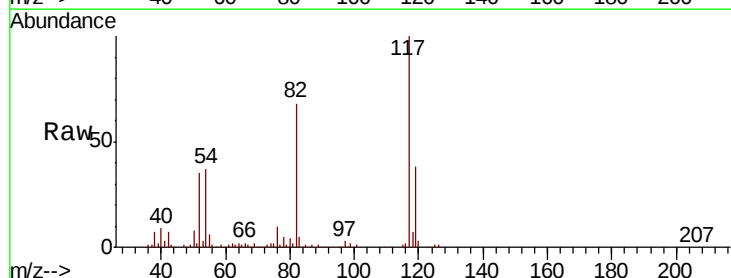
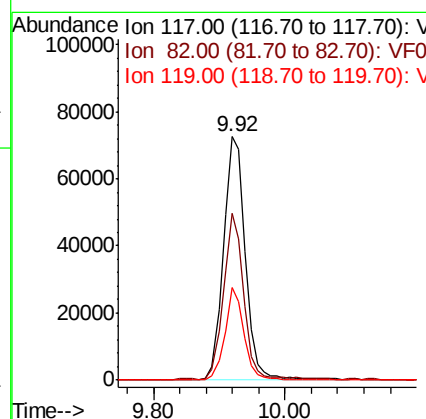
Manual Integrations
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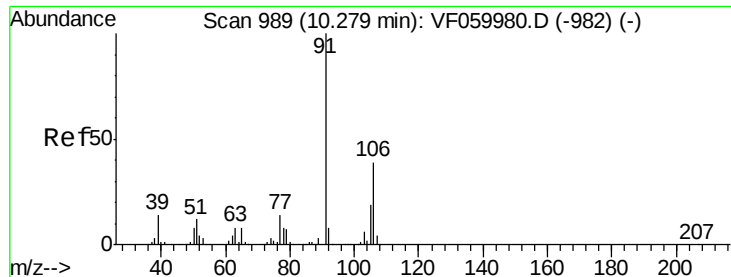
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	168017		
82	68.5	47.2	70.8	
119	37.8	26.1	39.1	





#68

m/p-Xylenes

Concen: 6.44 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF060004.D

Acq: 20 Aug 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

HD-02-081718

Tot Ion:106 Resp: 13433

Ion Ratio Lower Upper

106 100

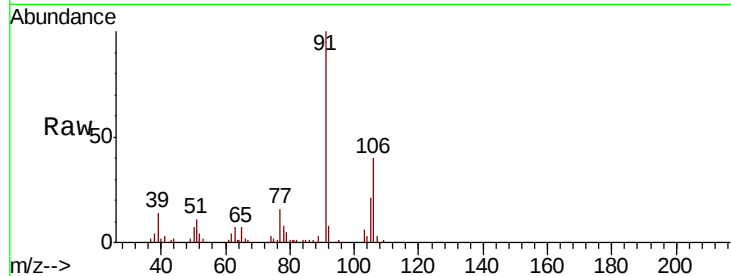
91 251.9 203.5 305.3

Manual Integrations

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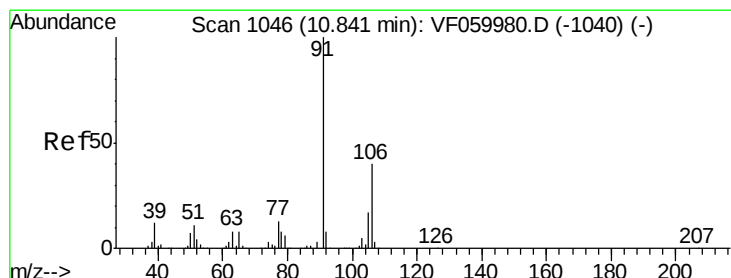
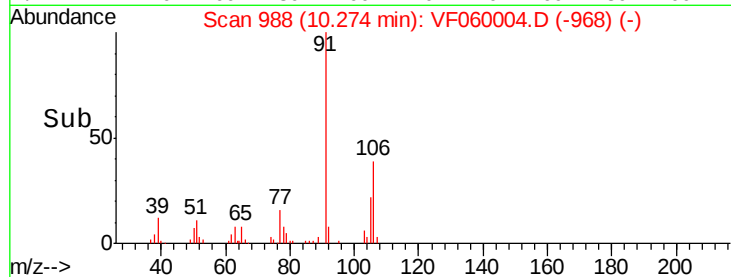
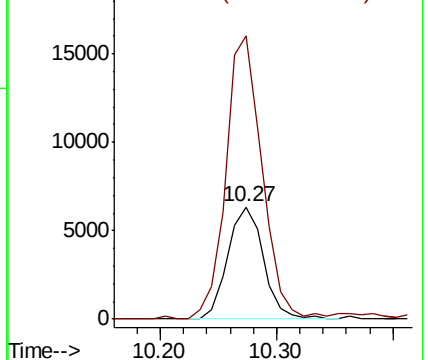
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 2.37 ug/l

RT: 10.84 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VF060004.D

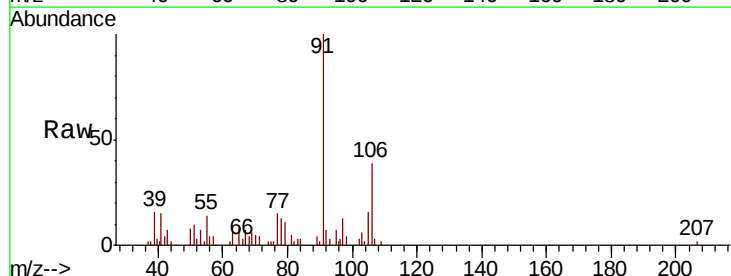
Acq: 20 Aug 2018 16:09

Tgt Ion:106 Resp: 5062

Ion Ratio Lower Upper

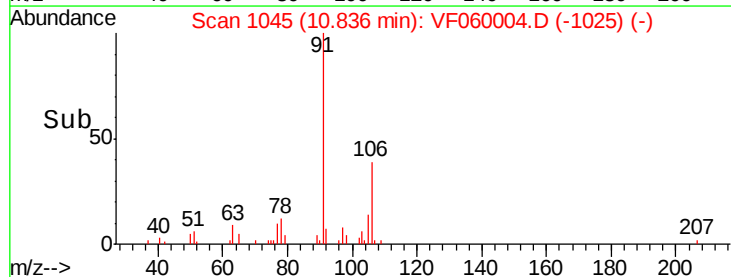
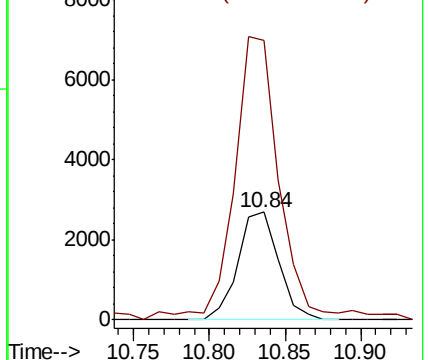
106 100

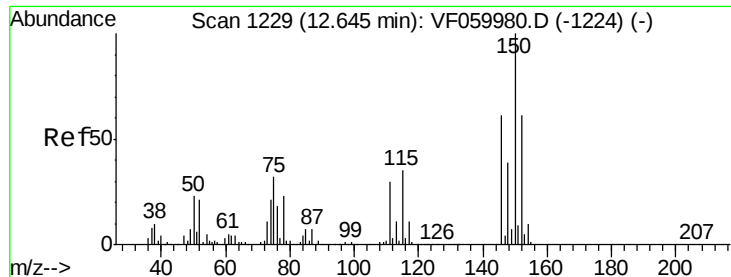
91 259.6 125.4 376.2



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: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF060004.D

Acq: 20 Aug 2018 16:09

Instrument :

MSVOA_F

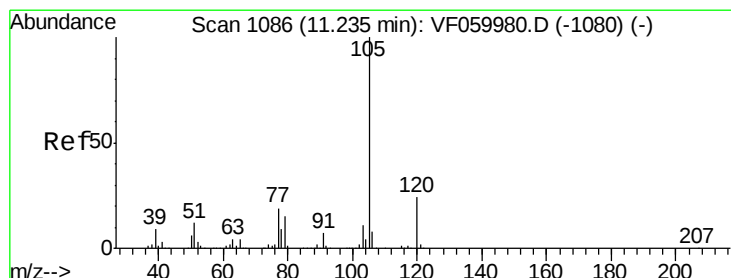
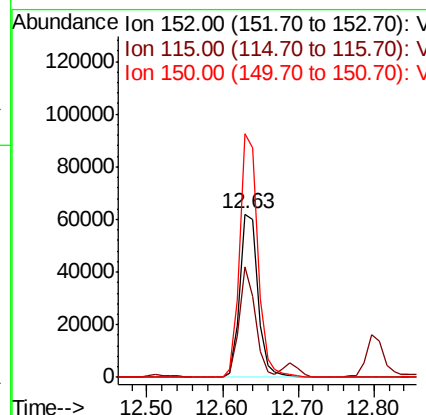
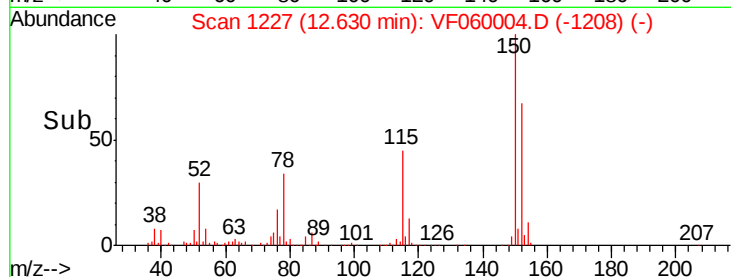
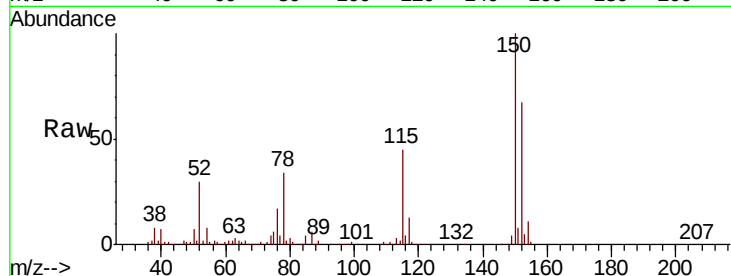
ClientSampleId :

HD-02-081718

Tot Ion:	152	Resp:	102225
Ion Ratio	Lower	Upper	
152	100		
115	67.3	29.1	87.3
150	148.8	0.0	330.2

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#73

Isopropylbenzene

Concen: 1.07 ug/l

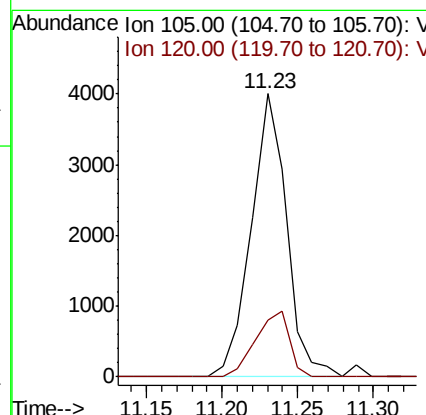
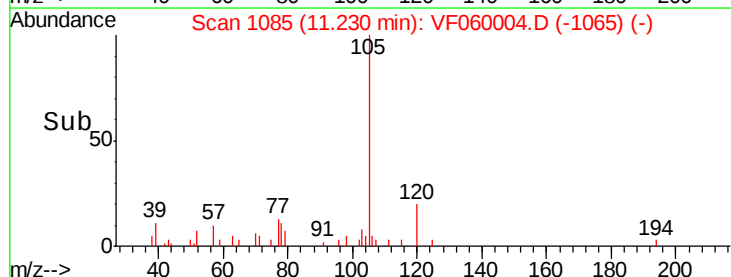
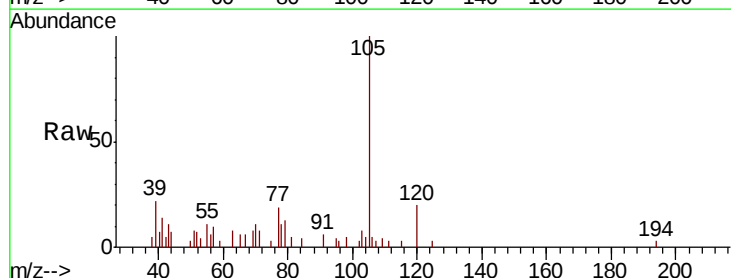
RT: 11.23 min Scan# 1085

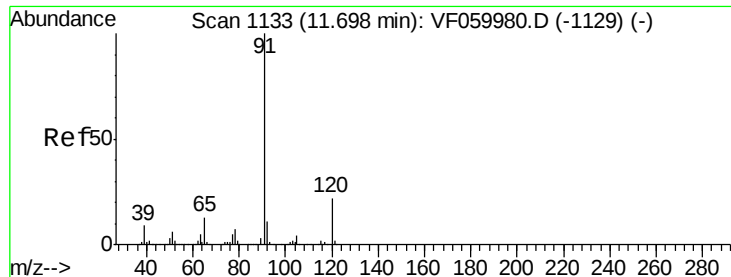
Delta R.T. -0.01 min

Lab File: VF060004.D

Acq: 20 Aug 2018 16:09

Tgt Ion:	105	Resp:	6540
Ion Ratio	Lower	Upper	
105	100		
120	19.9	11.9	35.5





#78

n-propylbenzene

Concen: 2.54 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060004.D

Acq: 20 Aug 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

HD-02-081718

Tot Ion: 91 Resp: 19336

Ion Ratio Lower Upper

91 100

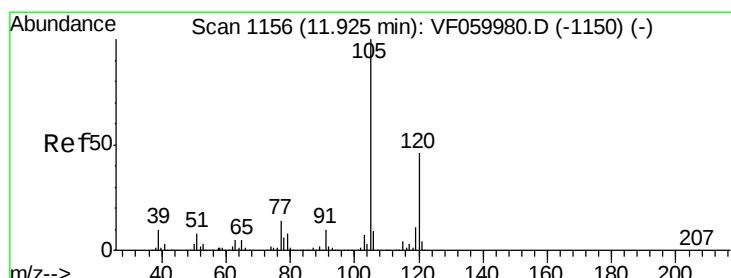
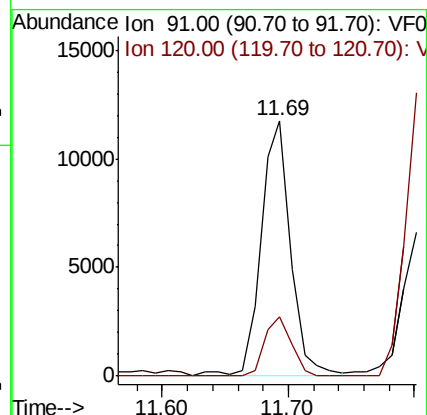
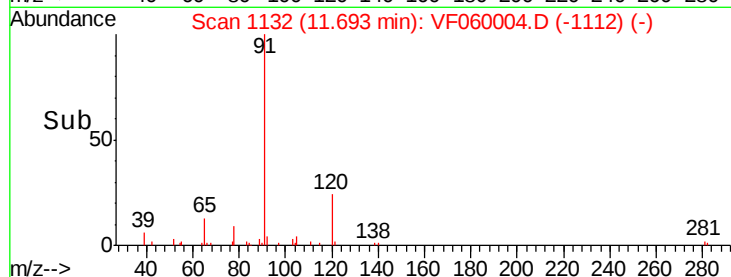
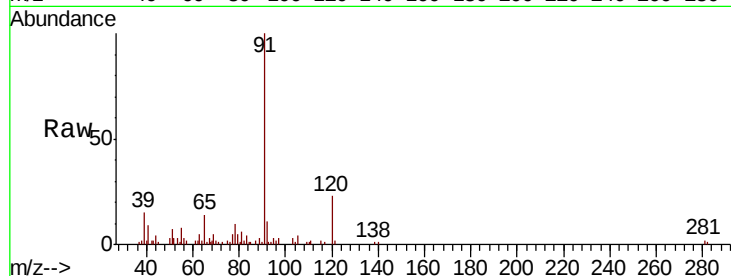
120 23.1 11.0 33.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.24 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VF060004.D

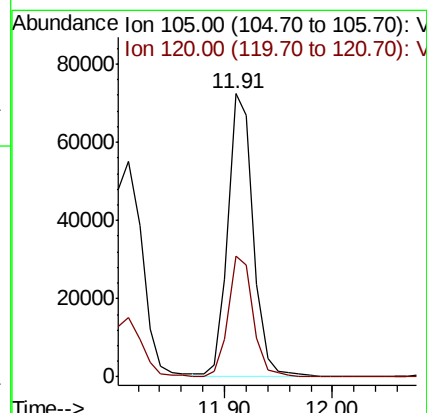
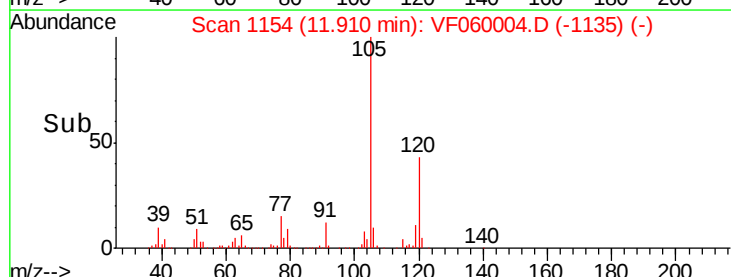
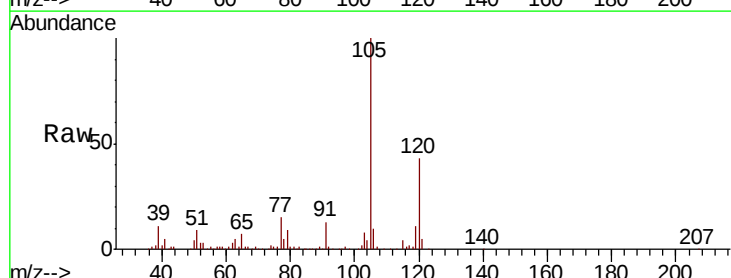
Acq: 20 Aug 2018 16:09

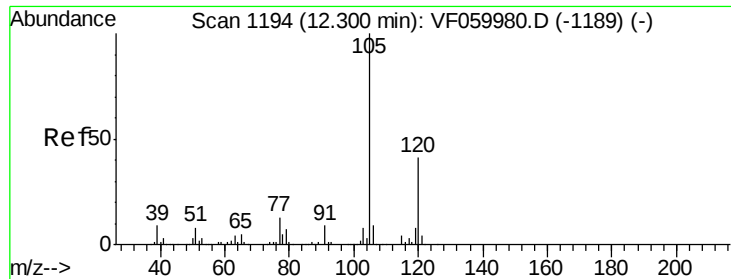
Tgt Ion: 105 Resp: 117704

Ion Ratio Lower Upper

105 100

120 42.9 22.9 68.7





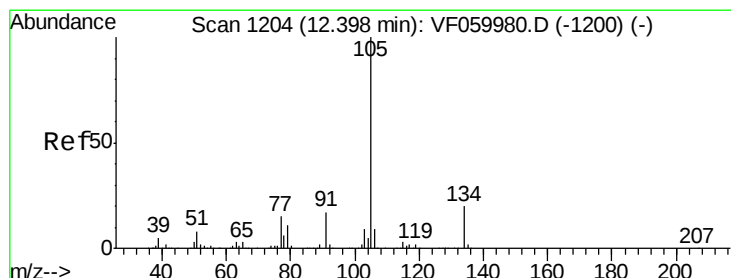
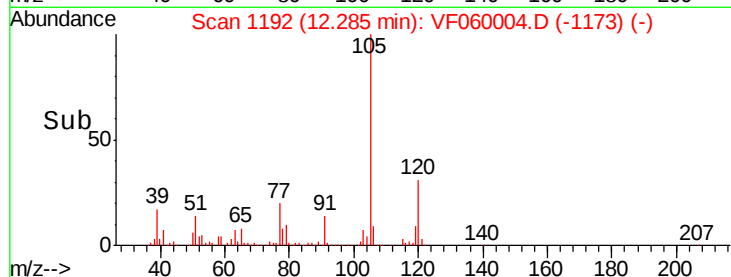
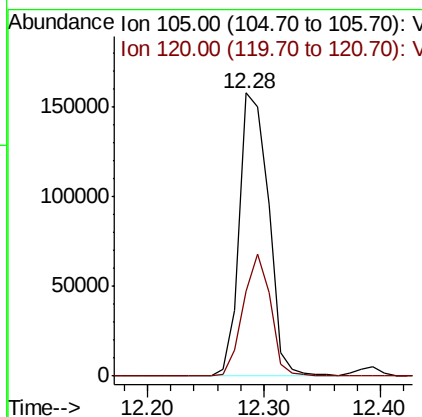
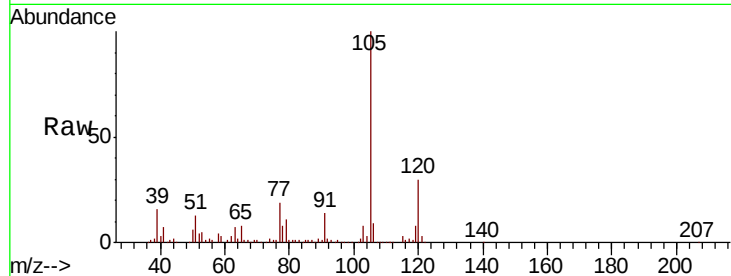
#84
 1,2,4-Trimethylbenzene
 Concen: 46.95 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF060004.D
 Acq: 20 Aug 2018 16:09

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-02-081718

Tot Ion	Ratio	Resp	Lower	Upper
105	100	273924		
120	30.1	20.9	62.7	

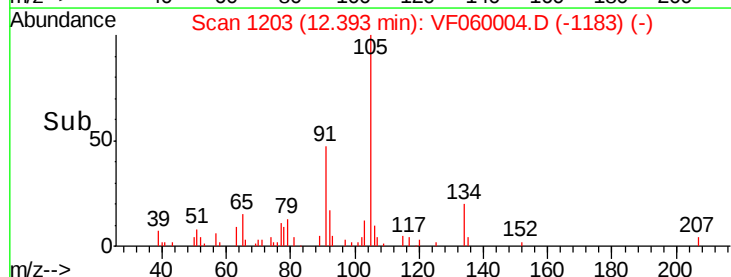
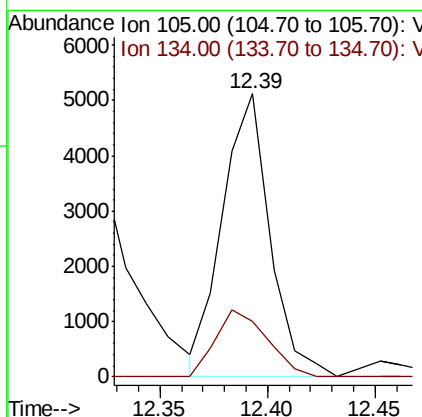
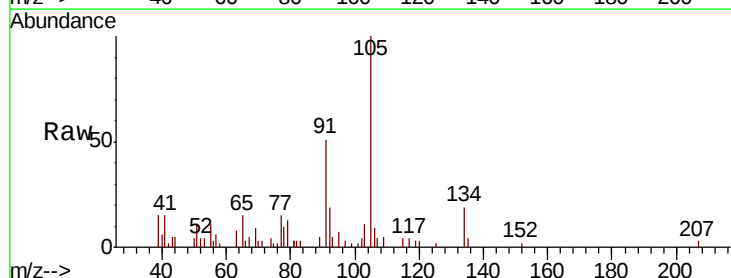
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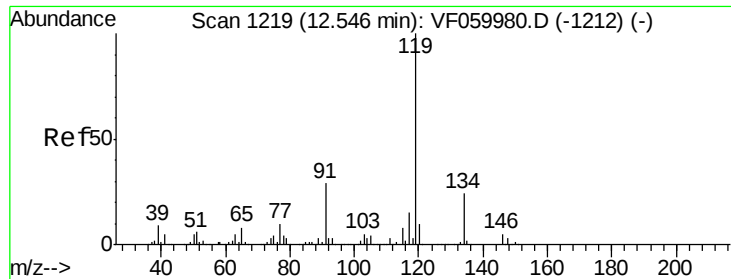
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#85
 sec-Butylbenzene
 Concen: 1.10 ug/l m
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060004.D
 Acq: 20 Aug 2018 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	7901		
134	19.4	9.8	29.5	





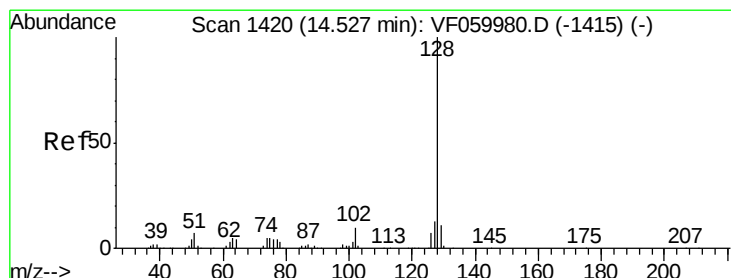
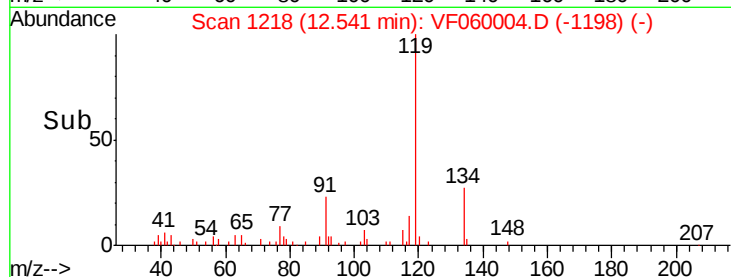
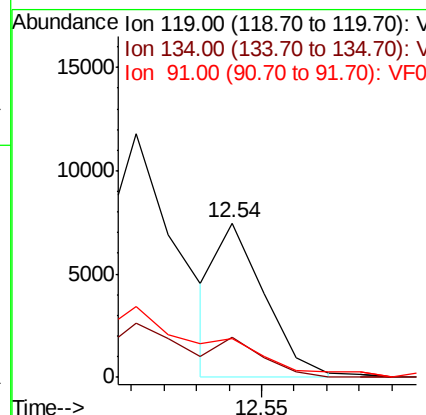
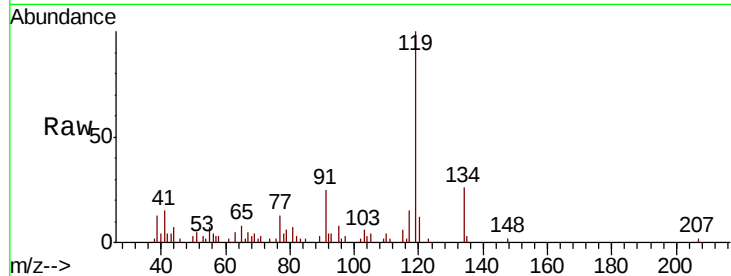
#86
p-Isopropyltoluene
Concen: 1.18 ug/l m
RT: 12.54 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.1	36.3
91	25.5	14.4	43.4

Manual Integrations
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#95
Naphthalene
Concen: 21.94 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.9	9.0	13.4

