

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060930.D
 Acq On : 6 Dec 2018 21:27
 Operator : VA/AP
 Sample : J6214-27
 Misc : 3.88g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2-(0-2)

Manual Integrations
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Quant Time: Dec 07 00:44:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	147224	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.60	114	260444	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	172849	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	45882	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	88930	51.28	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.56%	
35) Dibromofluoromethane	4.11	113	100865	48.82	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	97.64%	
50) Toluene-d8	7.55	98	191689	31.50	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	63.00%	
62) 4-Bromofluorobenzene	11.41	95	61005	22.05	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	44.10%	
Target Compounds						
20) Methylene Chloride	2.26	84	5596m	4.769	ug/l	
95) Naphthalene	14.46	128	9557	1.530	ug/l	97

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

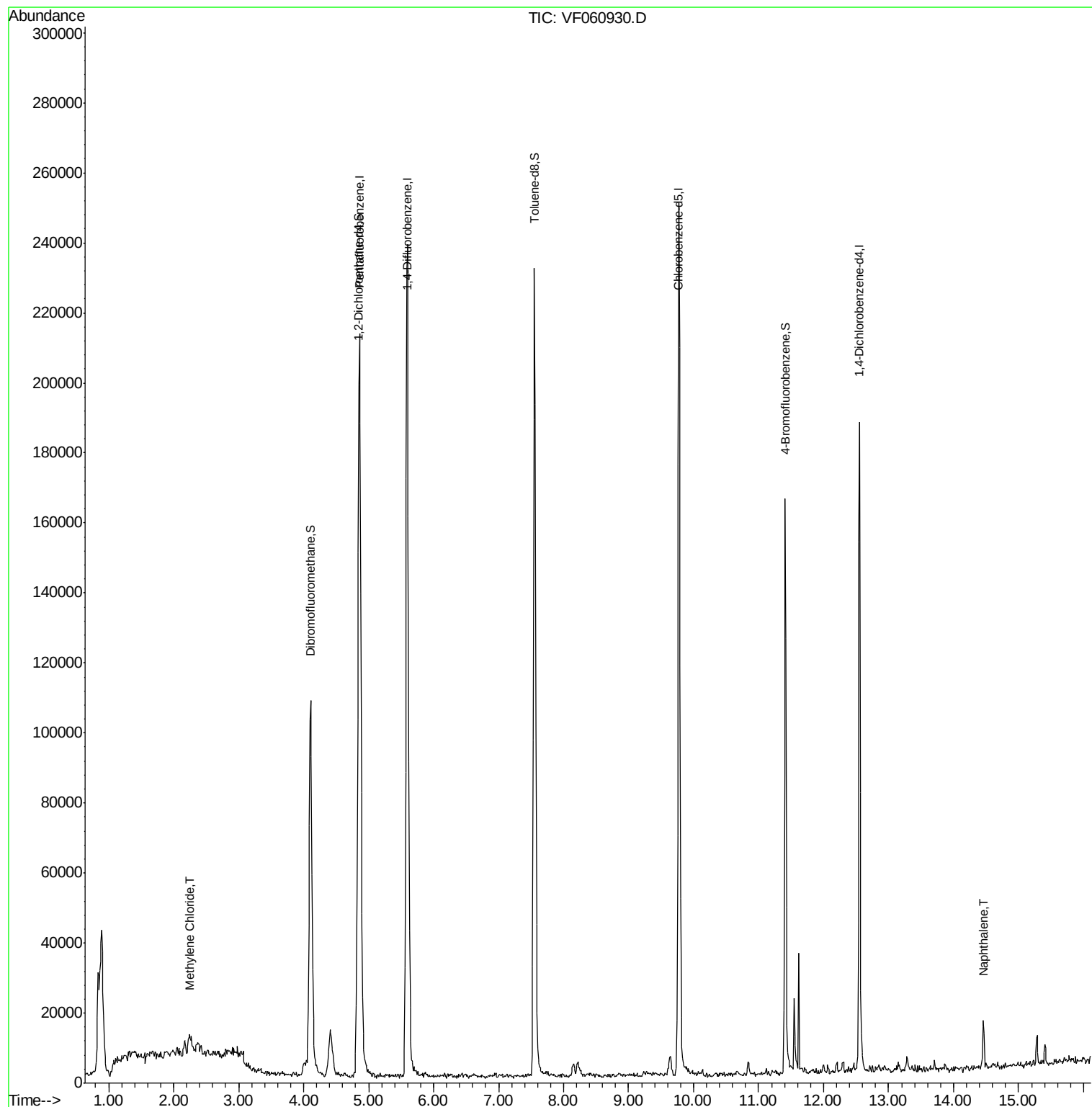
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120618\
Data File : VF060930.D
Acq On : 6 Dec 2018 21:27
Operator : VA/AP
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ALS Vial : 21 Sample Multiplier: 1

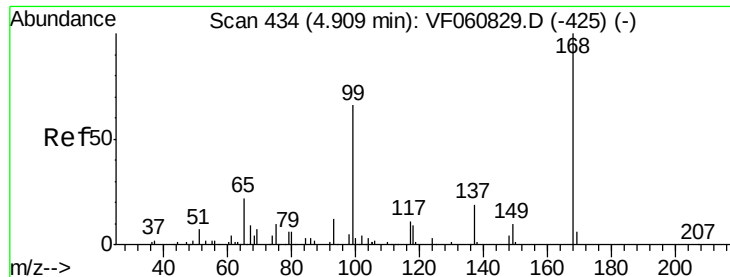
Instrument :
MSVOA_F
ClientSampleId :
SB-2-(0-2)

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Quant Time: Dec 07 00:44:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060930.D

Acq: 6 Dec 2018 21:27

Instrument :

MSVOA_F

ClientSampled :

SB-2-(0-2)

Tot Ion:168 Resp: 147224

Ion Ratio Lower Upper

168 100

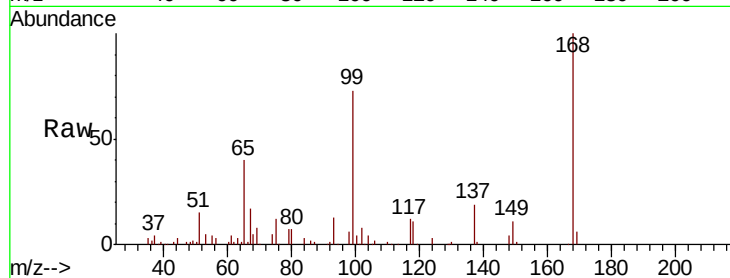
99 72.7 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

50000

40000

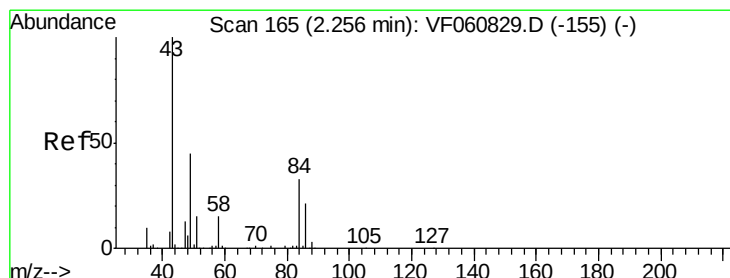
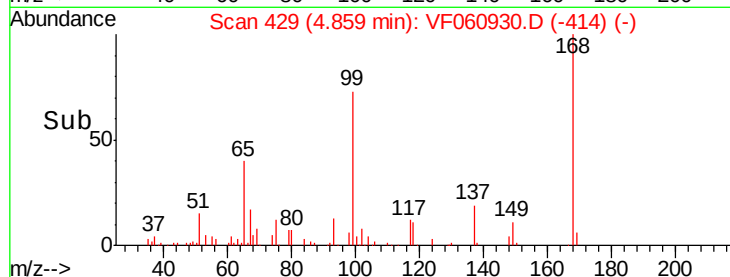
30000

20000

10000

0

Time-->



#20

Methylene Chloride

Concen: 4.769 ug/l m

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060930.D

Acq: 6 Dec 2018 21:27

Tgt Ion: 84 Resp: 5596

Ion Ratio Lower Upper

84 100

49 127.4 111.3 166.9

51 65.3 38.0 57.0#

86 68.2 49.8 74.8

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

2000

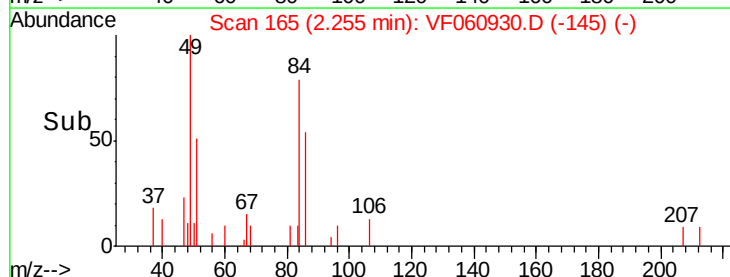
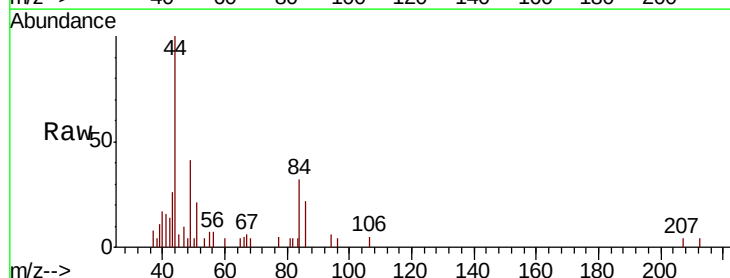
1500

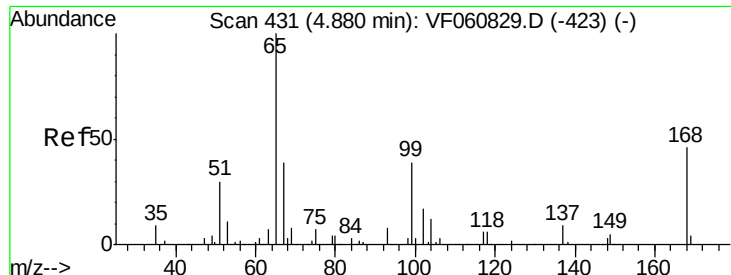
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.276 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060930.D

Acq: 6 Dec 2018 21:27

Instrument :

MSVOA_F

ClientSampled :

SB-2-(0-2)

Tot Ion: 65 Resp: 88930

Ion Ratio Lower Upper

65 100

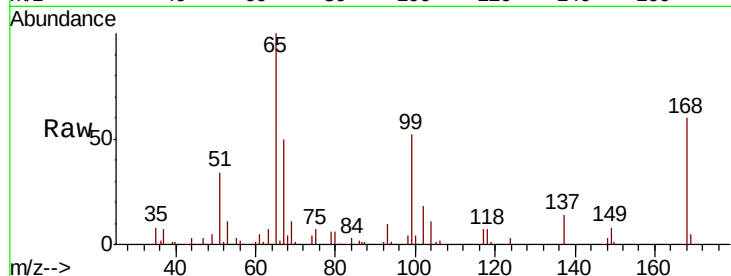
67 50.1 0.0 96.4

Manual Integrations

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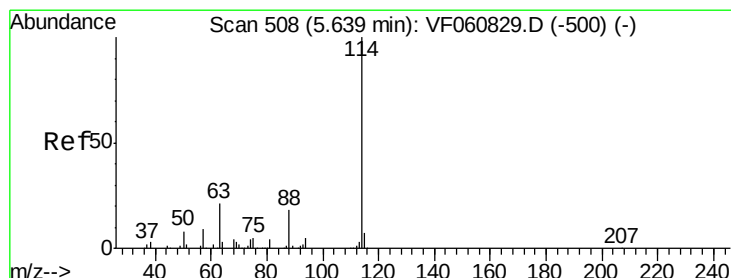
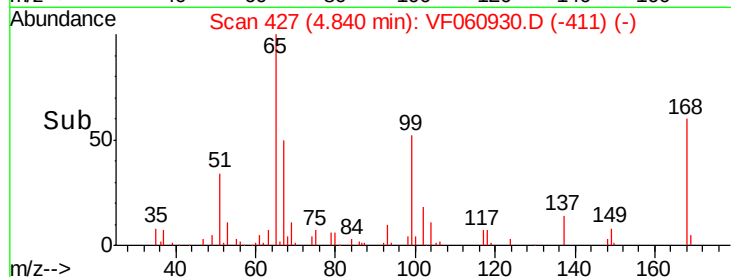
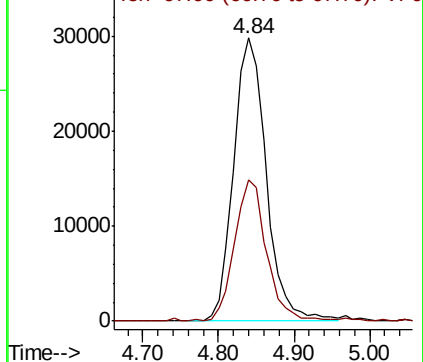
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060930.D

Acq: 6 Dec 2018 21:27

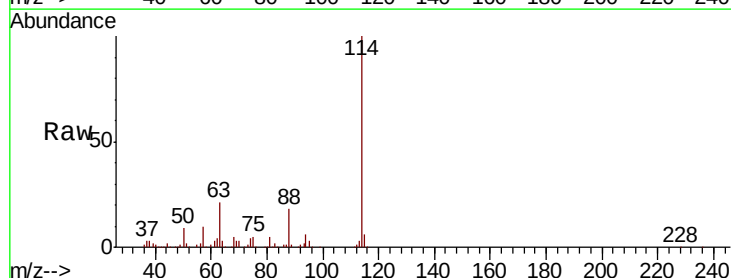
Tgt Ion: 114 Resp: 260444

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

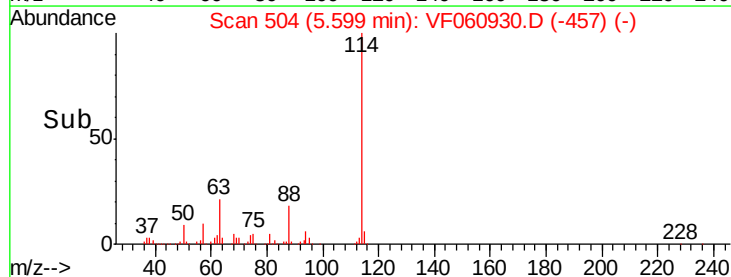
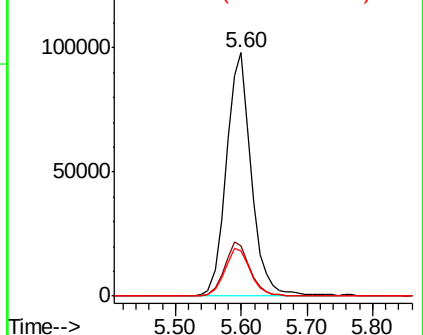
88 18.3 0.0 36.6

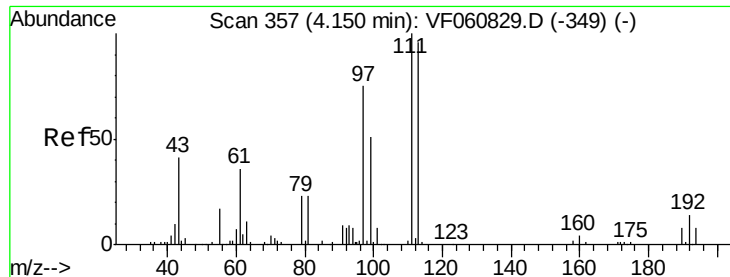


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





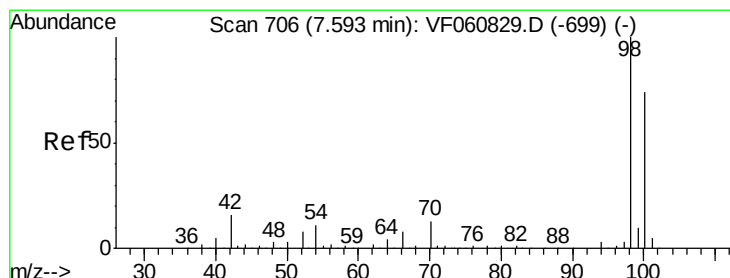
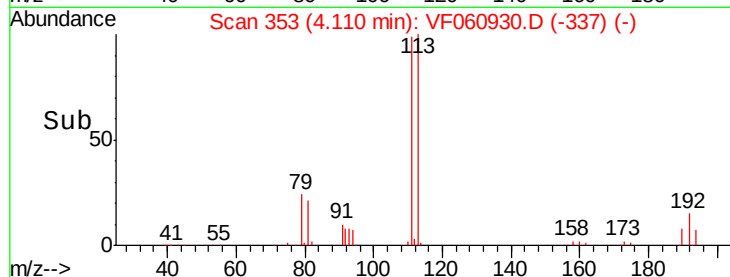
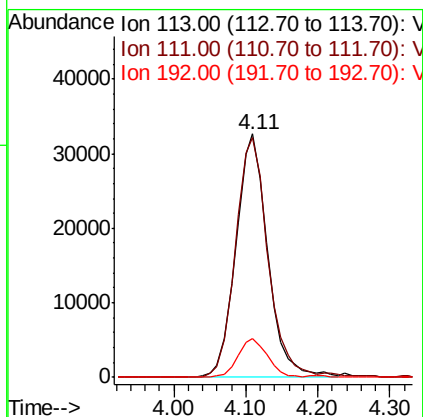
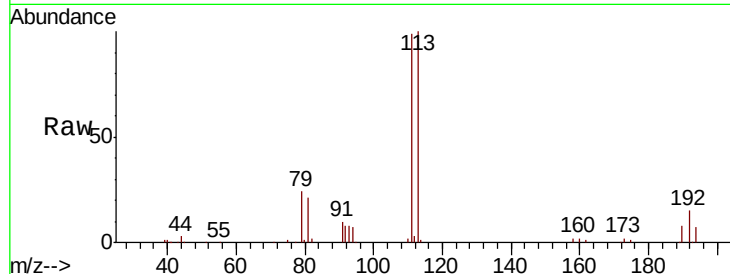
#35
Dibromofluoromethane
Concen: 48.817 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060930.D
Acq: 6 Dec 2018 21:27

Instrument :
MSVOA_F
ClientSampleId :
SB-2-(0-2)

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.7	83.0	124.6
192	16.0	12.3	18.5

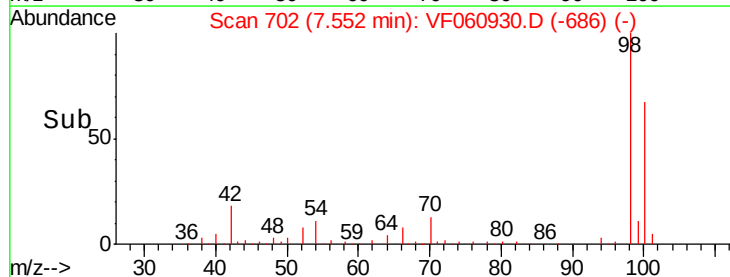
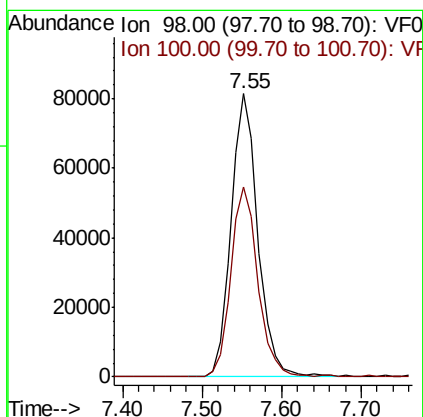
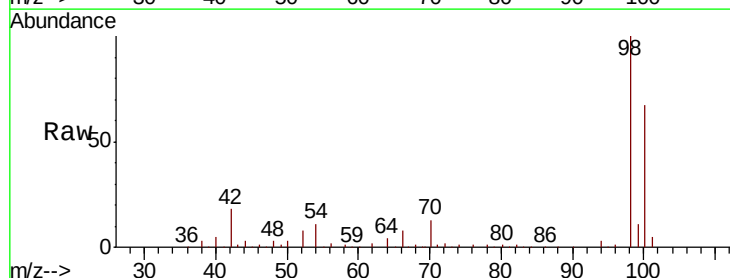
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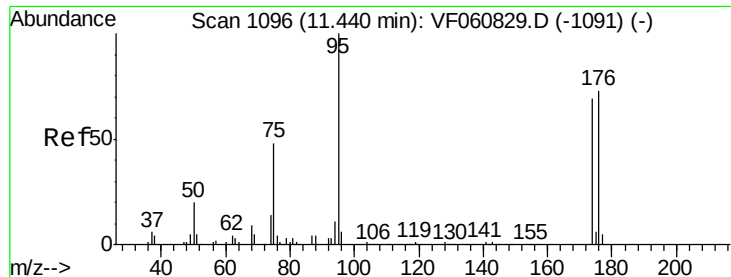
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#50
Toluene-d8
Concen: 31.495 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060930.D
Acq: 6 Dec 2018 21:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	59.3	88.9





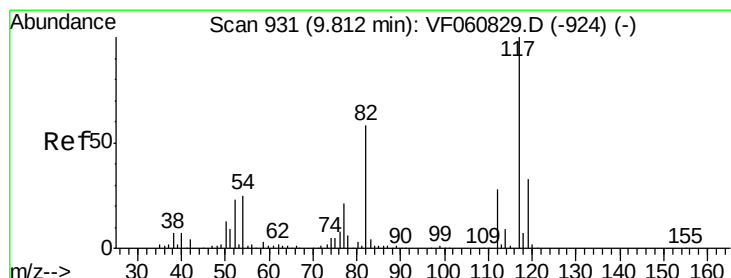
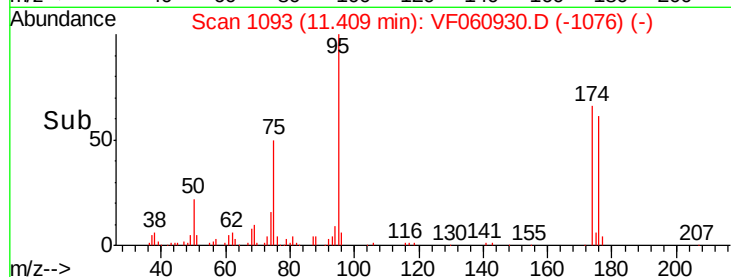
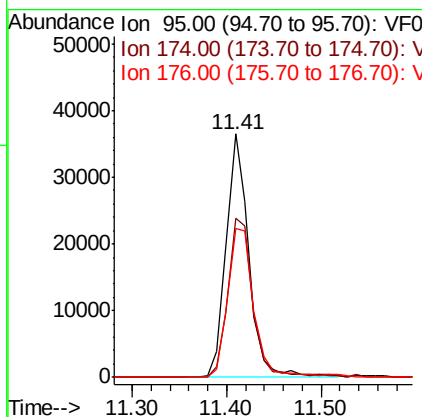
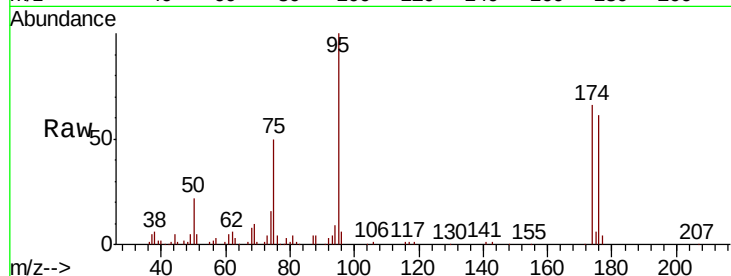
#62
4-Bromofluorobenzene
Concen: 22.054 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF060930.D
Acq: 6 Dec 2018 21:27

Instrument :
MSVOA_F
ClientSampleId :
SB-2-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
95	100	61005		
174	65.5	0.0	138.2	
176	61.2	0.0	146.2	

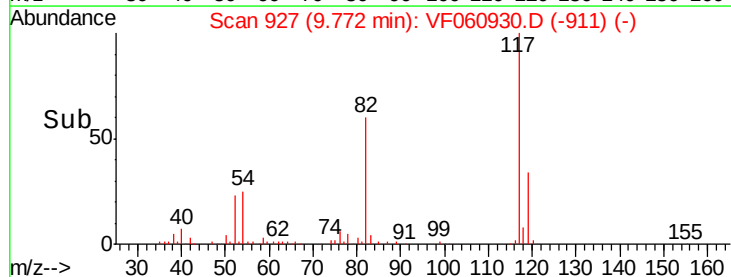
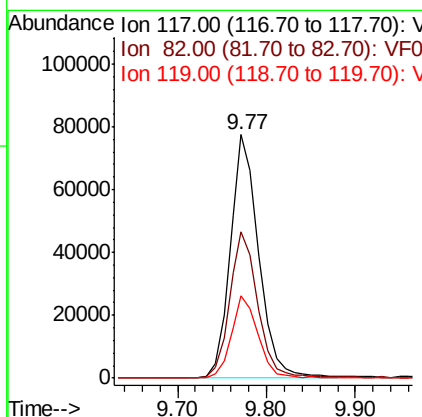
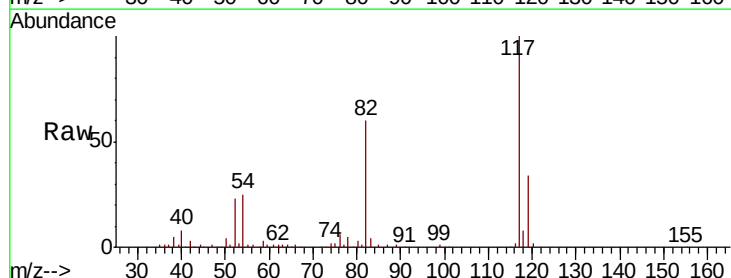
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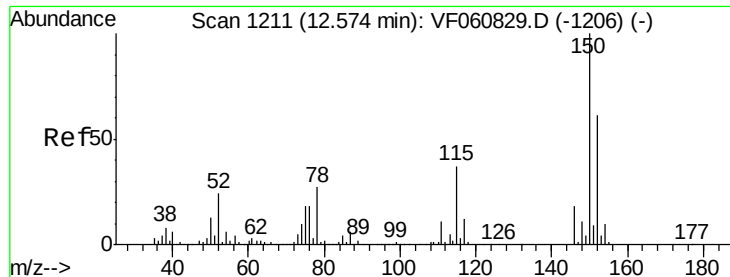
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060930.D
Acq: 6 Dec 2018 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	172849		
82	59.9	46.6	69.8	
119	34.0	26.4	39.6	





#72

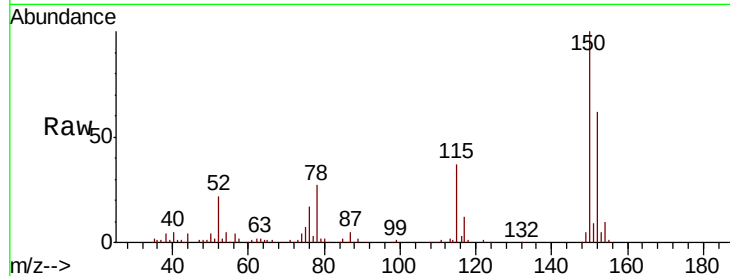
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060930.D
Acq: 6 Dec 2018 21:27

Instrument :
MSVOA_F
ClientSampleId :
SB-2-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.1	90.5
150	160.6	0.0	327.6

Manual Integrations
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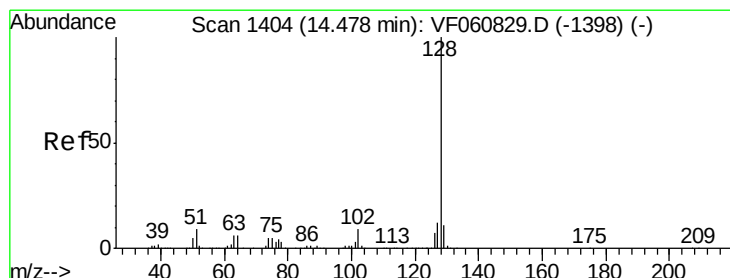
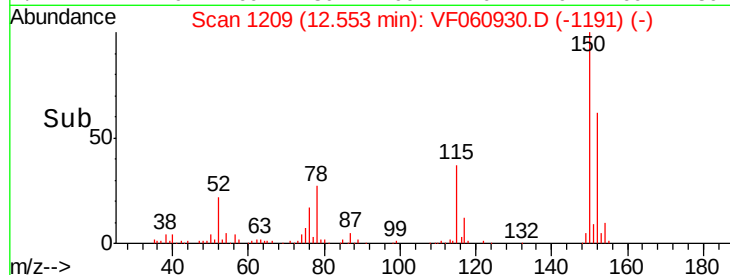
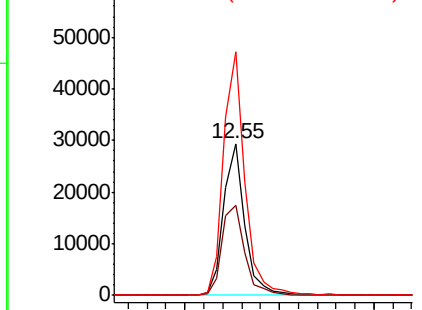


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

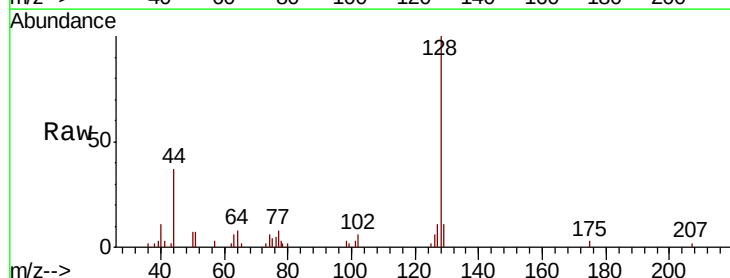
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: 1.530 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060930.D
Acq: 6 Dec 2018 21:27

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.7	9.9	14.9
129	10.6	9.1	13.7



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

