

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112818\
 Data File : VF060863.D
 Acq On : 28 Nov 2018 18:33
 Operator : VA/AP
 Sample : J5767-19RE
 Misc : 6.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-112818-BRE

Manual Integrations
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Quant Time: Nov 29 04:25:17 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	4.89	168	191376	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	321859	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	286229	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	125266	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	124428	55.19	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	110.38%	
35) Dibromofluoromethane	4.13	113	139449	54.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.22%	
50) Toluene-d8	7.58	98	346129	46.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.42	95	146667	42.90	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	85.80%	
Target Compounds						
16) Acetone	2.25	43	25350	60.98	ug/l	Qvalue 100
20) Methylene Chloride	2.28	84	16877m	11.07	ug/l	
52) Toluene	7.65	92	9608	1.73	ug/l	98

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

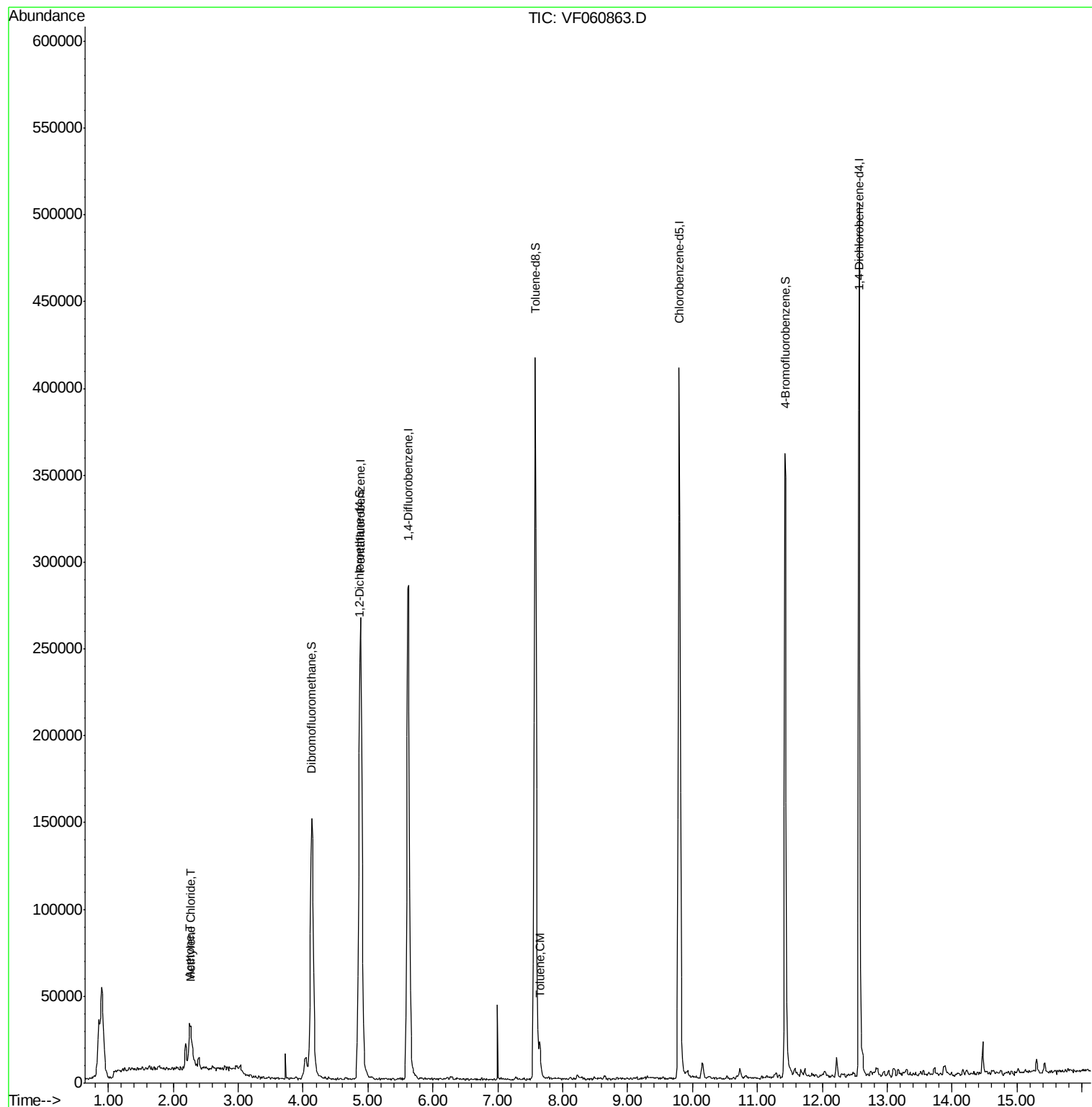
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112818\
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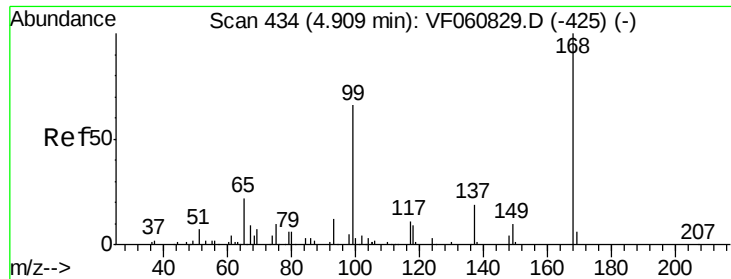
Instrument :
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QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060863.D

Acq: 28 Nov 2018 18:33

Instrument :

MSVOA_F

ClientSampleId :

CL-02-112818-BRE

Tgt Ion: 168 Resp: 191376

Ion Ratio Lower Upper

168 100

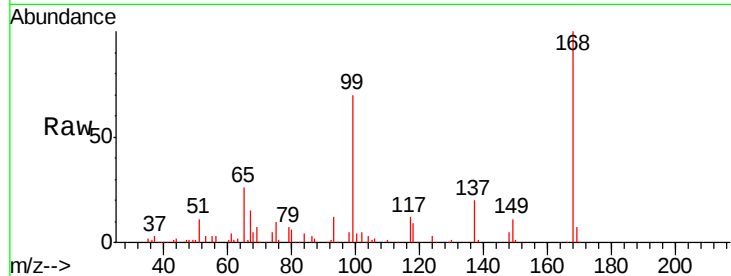
99 70.1 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

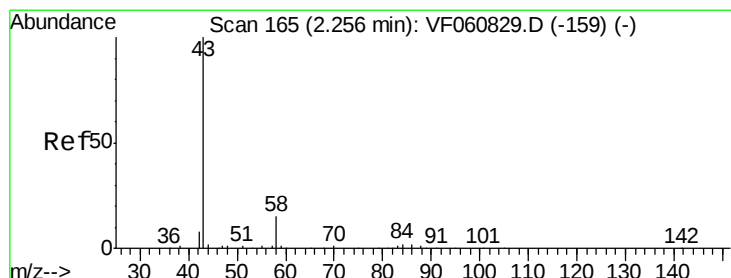
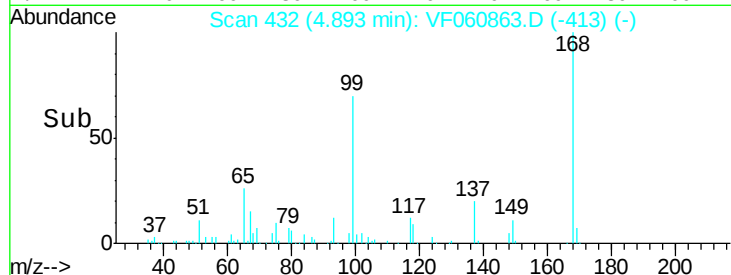
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 60.98 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060863.D

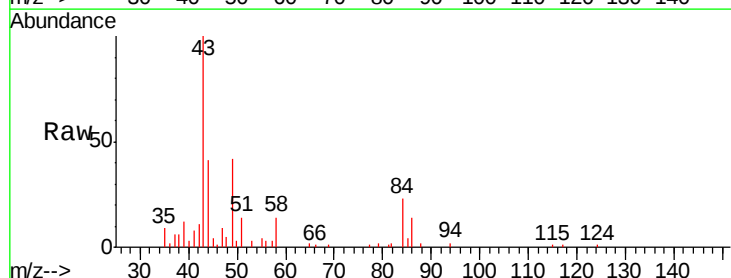
Acq: 28 Nov 2018 18:33

Tgt Ion: 43 Resp: 25350

Ion Ratio Lower Upper

43 100

58 14.2 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

10000

8000

6000

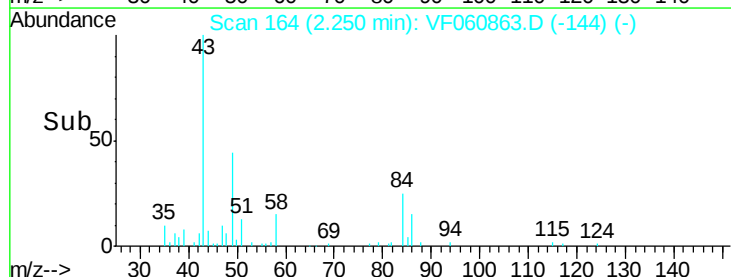
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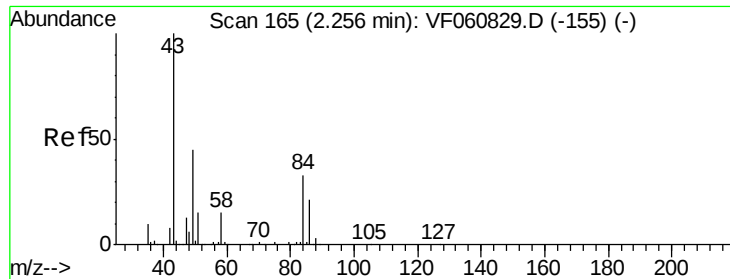
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Time-->

2.20 2.30 2.40





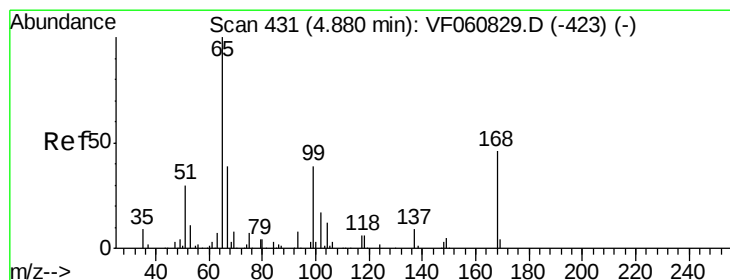
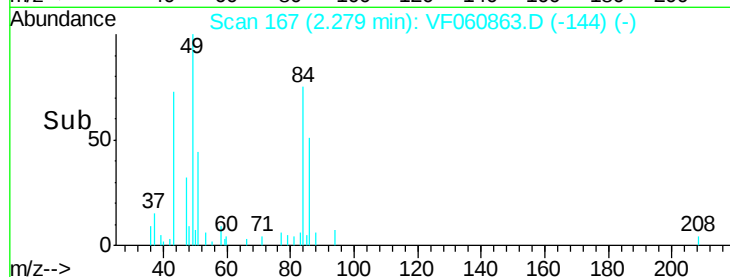
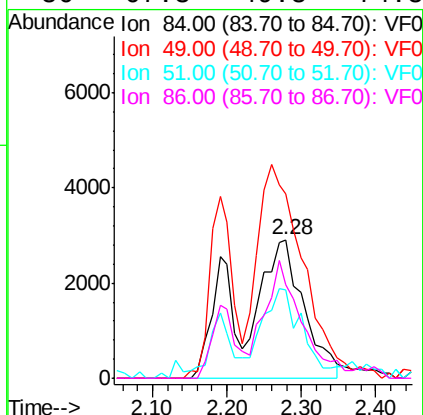
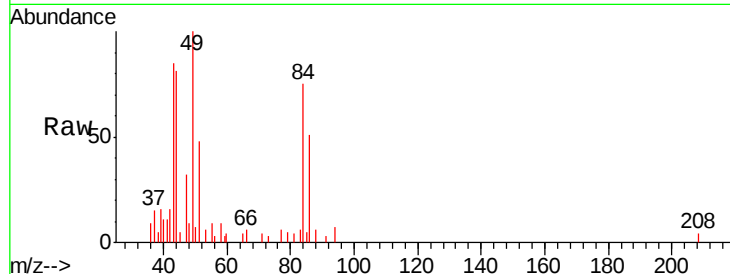
#20
Methylene Chloride
Concen: 11.07 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF060863.D
Acq: 28 Nov 2018 18:33

Instrument :
MSVOA_F
ClientSampleId :
CL-02-112818-BRE

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.0	111.3	166.9
51	63.6	38.0	57.0
86	67.3	49.8	74.8

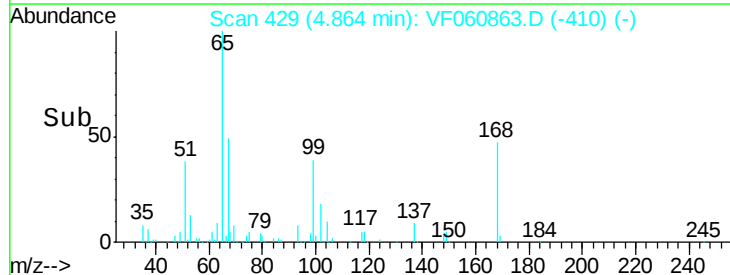
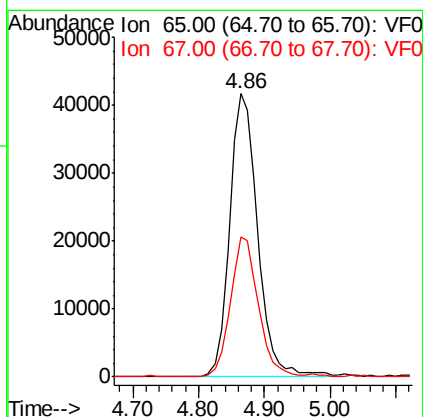
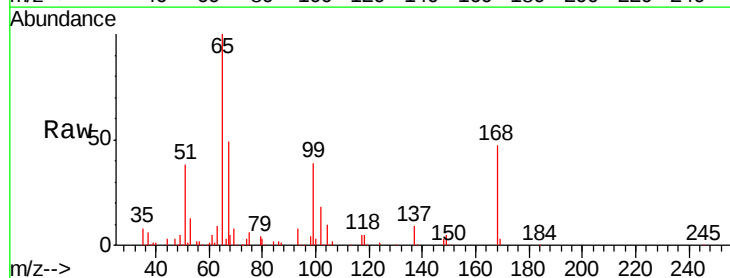
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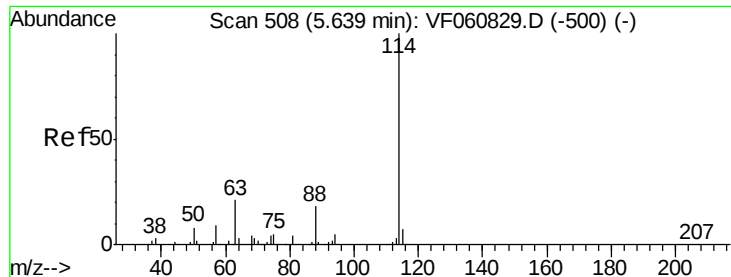
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#33
1,2-Dichloroethane-d4
Concen: 55.19 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.02 min
Lab File: VF060863.D
Acq: 28 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	96.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060863.D

Acq: 28 Nov 2018 18:33

Instrument :

MSVOA_F

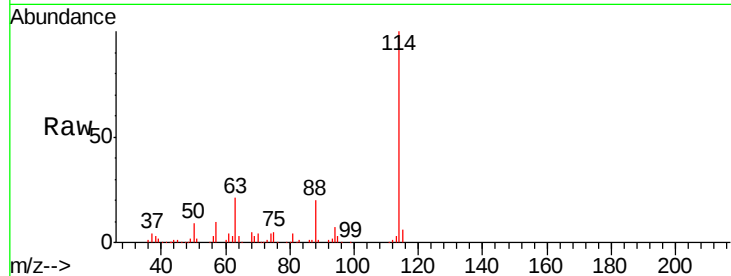
ClientSampleId :

CL-02-112818-BRE

Tgt	Ion	Ratio	Resp	Lower	Upper
114	100		321859		
63	20.7	0.0	41.6		
88	20.0	0.0	36.6		

Manual Integrations
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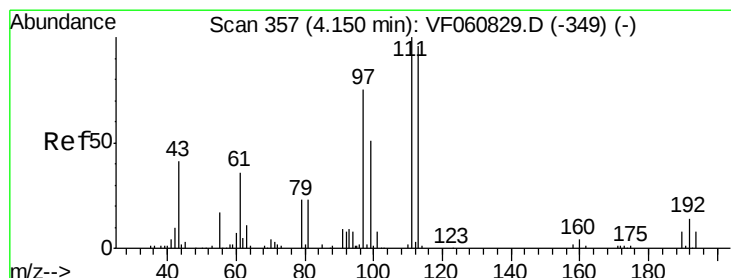
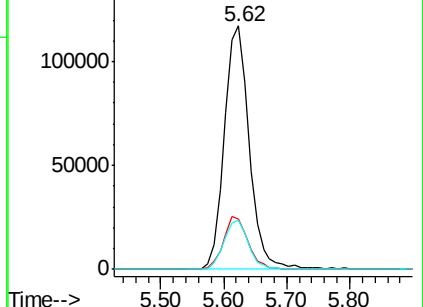
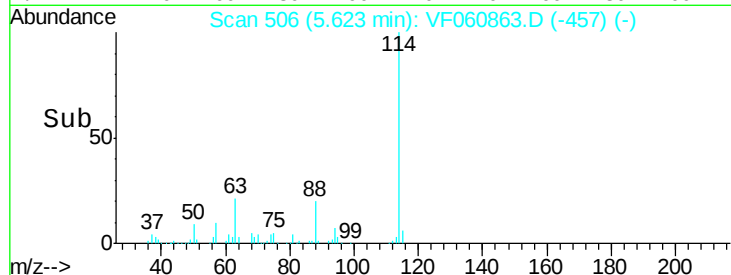
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 54.61 ug/l

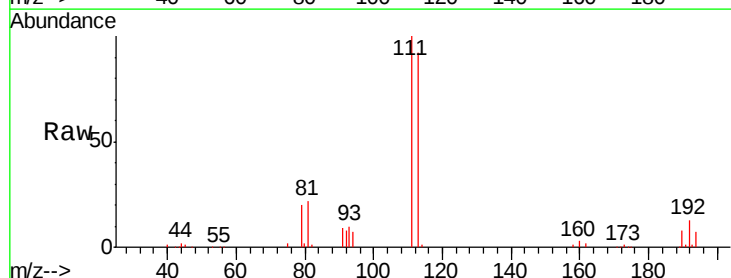
RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF060863.D

Acq: 28 Nov 2018 18:33

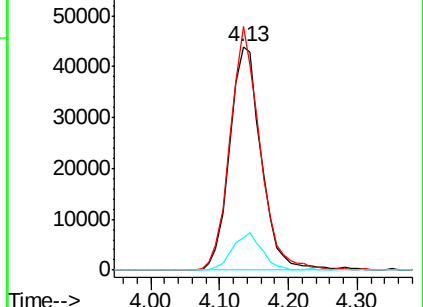
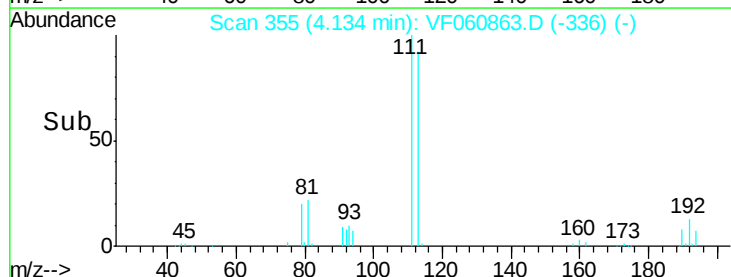
Tgt	Ion	Ratio	Resp	Lower	Upper
113	100		139449		
111	109.0	83.0	124.6		
192	14.6	12.3	18.5		

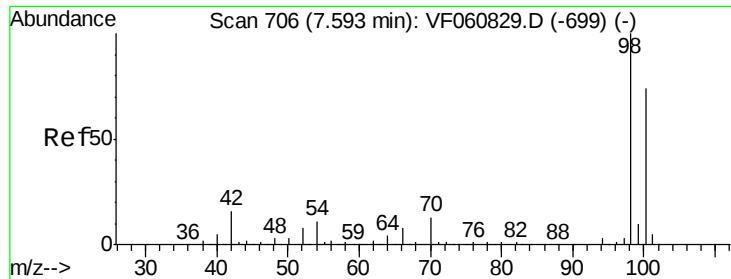


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 46.02 ug/l

RT: 7.58 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF060863.D

Acq: 28 Nov 2018 18:33

Instrument :

MSVOA_F

ClientSampleId :

CL-02-112818-BRE

Tgt Ion: 98 Resp: 346129

Ion Ratio Lower Upper

98 100

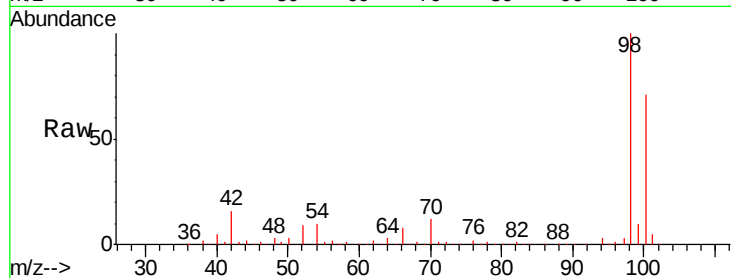
100 70.8 59.3 88.9

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

150000

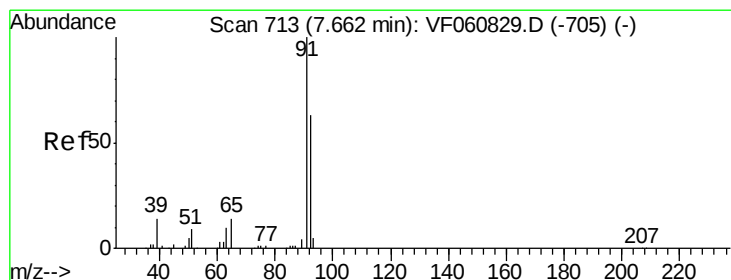
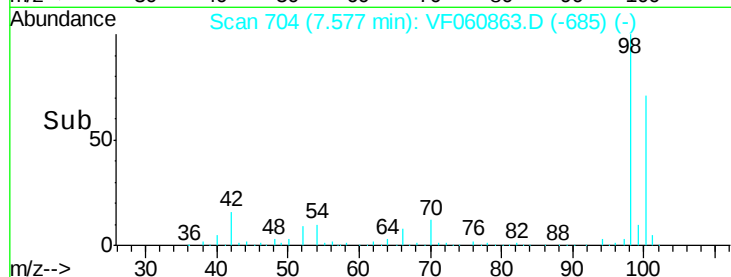
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#52

Toluene

Concen: 1.73 ug/l

RT: 7.65 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060863.D

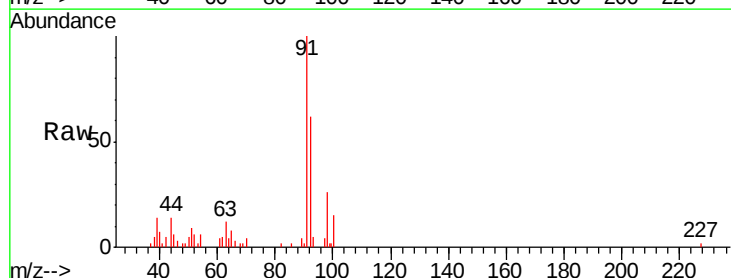
Acq: 28 Nov 2018 18:33

Tgt Ion: 92 Resp: 9608

Ion Ratio Lower Upper

92 100

91 160.4 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

6000

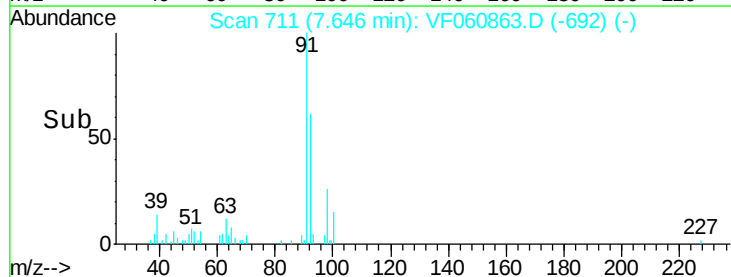
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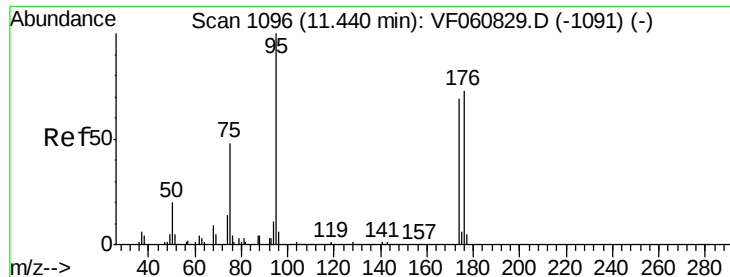
2000

0

7.60 7.70

Time-->





#62

4-Bromofluorobenzene

Concen: 42.90 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060863.D

Acq: 28 Nov 2018 18:33

Instrument :

MSVOA_F

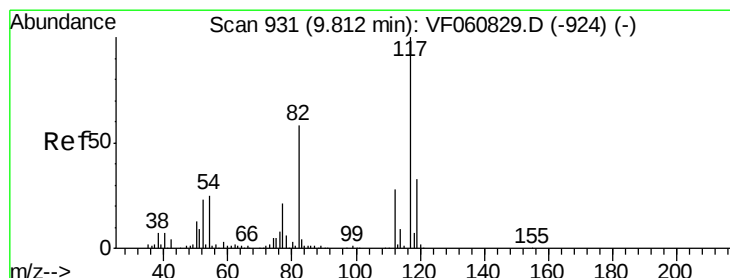
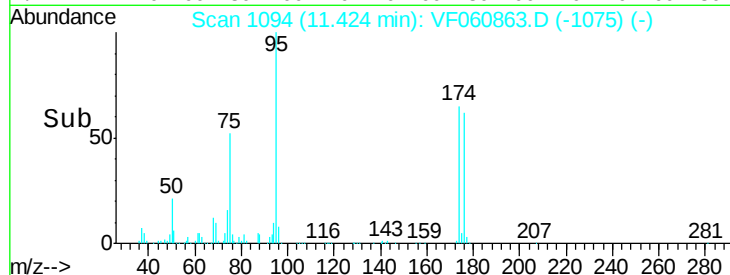
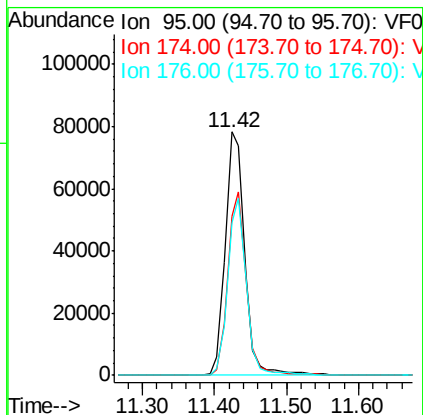
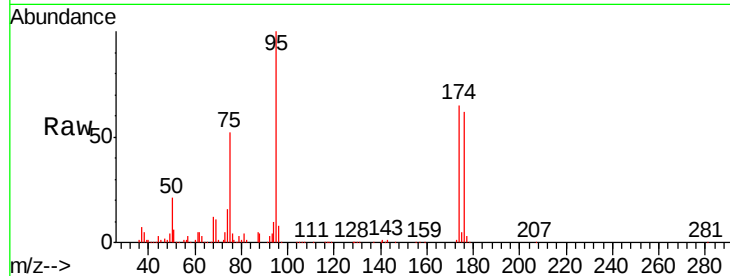
ClientSampleId :

CL-02-112818-BRE

Tgt Ion:	95	Resp:	146667
Ion Ratio	Lower	Upper	
95	100		
174	65.4	0.0	138.2
176	62.5	0.0	146.2

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

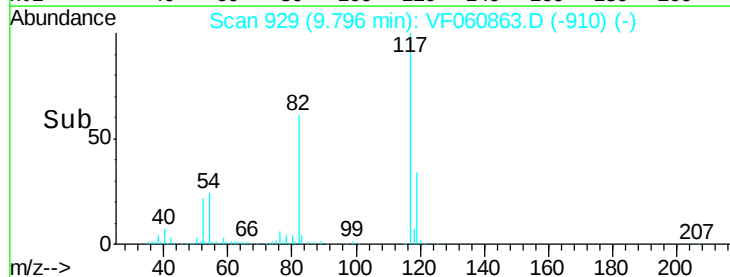
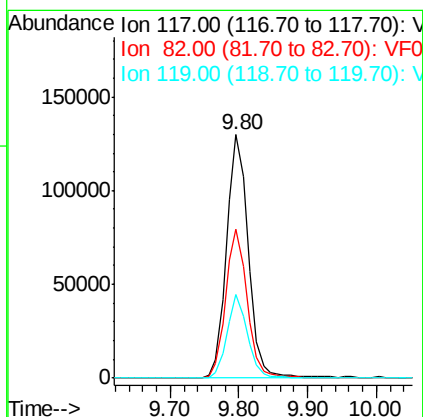
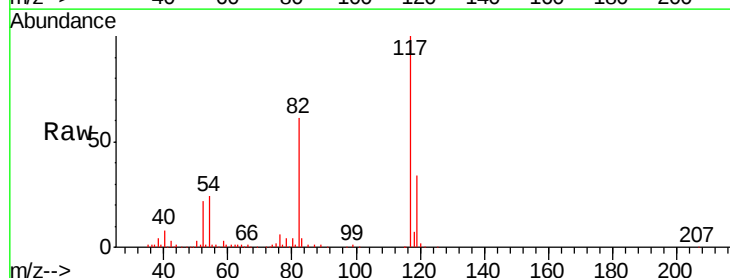
RT: 9.80 min Scan# 929

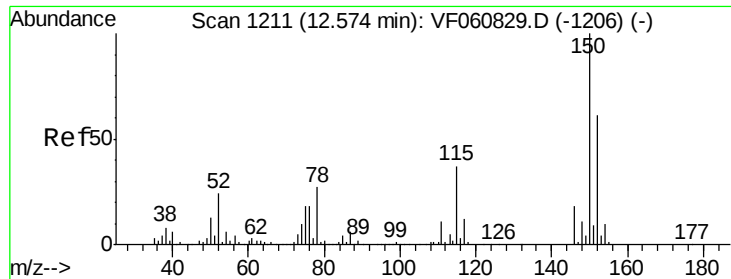
Delta R.T. -0.02 min

Lab File: VF060863.D

Acq: 28 Nov 2018 18:33

Tgt Ion:	117	Resp:	286229
Ion Ratio	Lower	Upper	
117	100		
82	61.0	46.6	69.8
119	34.2	26.4	39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060863.D

Acq: 28 Nov 2018 18:33

Instrument :

MSVOA_F

ClientSampleId :

CL-02-112818-BRE

Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		125266		
115	57.4	30.1	90.5		
150	158.5	0.0	327.6		

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