

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060876.D
 Acq On : 29 Nov 2018 19:42
 Operator : VA/AP
 Sample : J5771-11
 Misc : 6.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-C

Manual Integrations
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Quant Time: Nov 30 06:30:19 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	4.87	168	185131	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	328157	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	298745	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.56	152	143927	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	133614	61.27	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	122.54%	
35) Dibromofluoromethane	4.11	113	145677	55.96	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	111.92%	
50) Toluene-d8	7.56	98	357661	46.64	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.41	95	168278	48.28	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.56%	
Target Compounds						
18) Methyl Acetate	2.33	43	507	Below Cal	#	61
20) Methylene Chloride	2.26	84	26308m	17.831	ug/l	
52) Toluene	7.64	92	6061	1.073	ug/l	91
84) 1,2,4-Trimethylbenzene	12.21	105	13650	1.481	ug/l	100

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

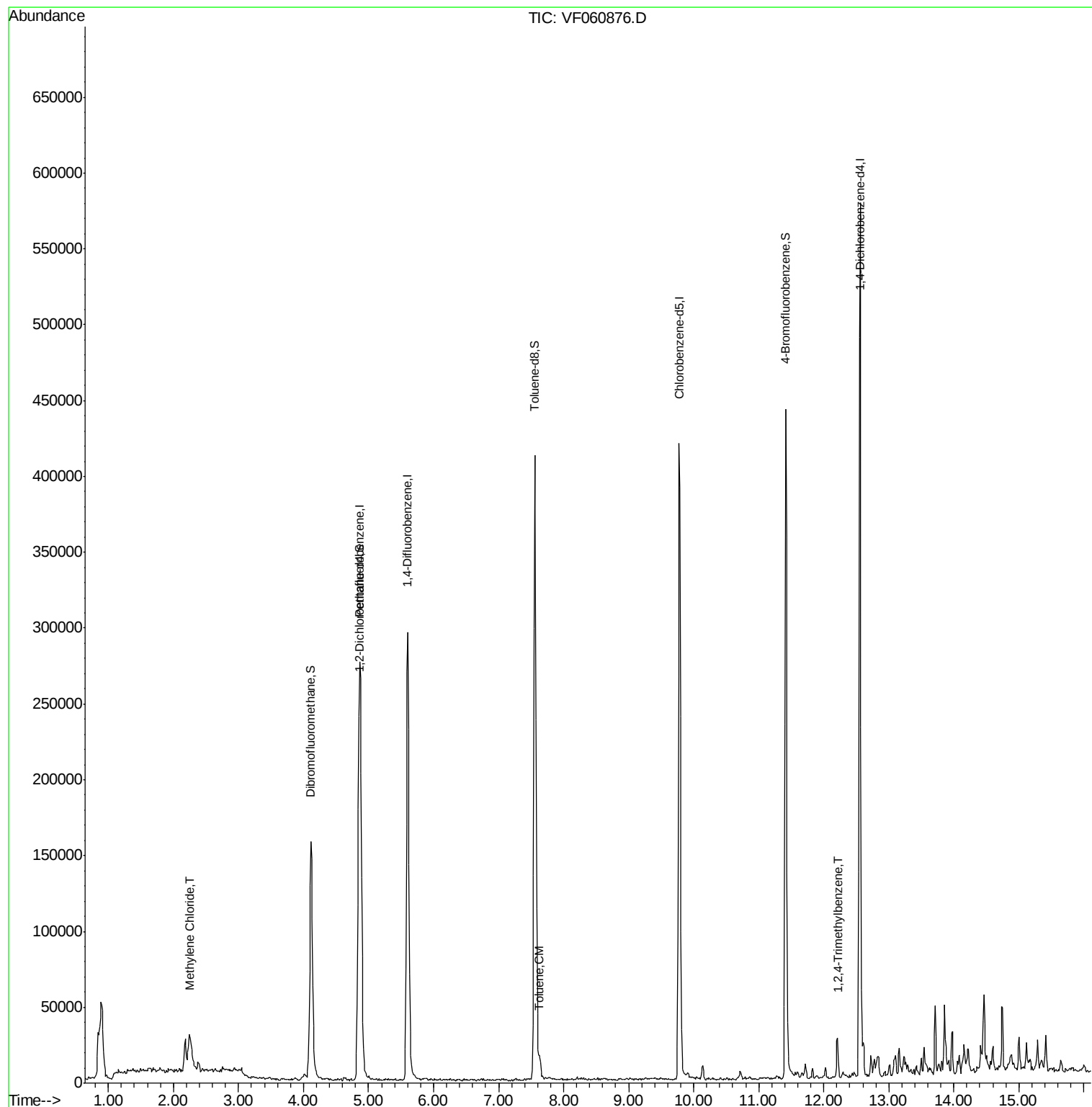
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112918\
Data File : VF060876.D
Acq On : 29 Nov 2018 19:42
Operator : VA/AP
Sample : J5771-11
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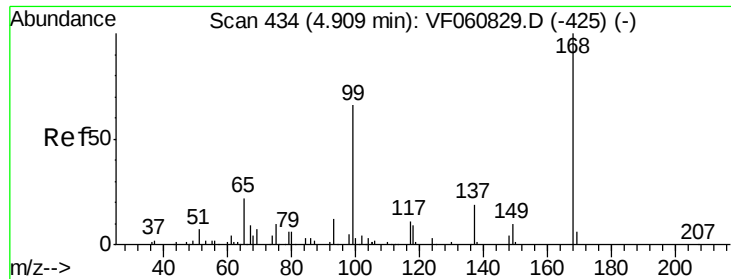
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-C

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Quant Time: Nov 30 06:30:19 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: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-C

Tot Ion:168 Resp: 185131

Ion Ratio Lower Upper

168 100

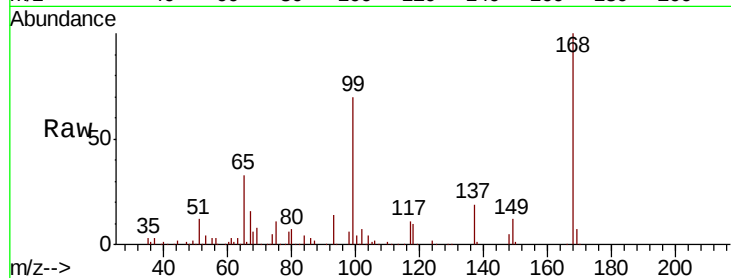
99 69.8 52.6 79.0

Manual Integrations

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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

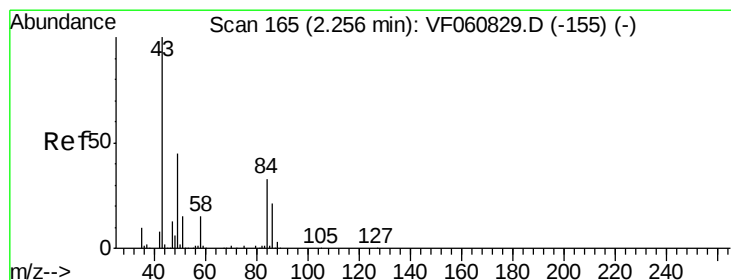
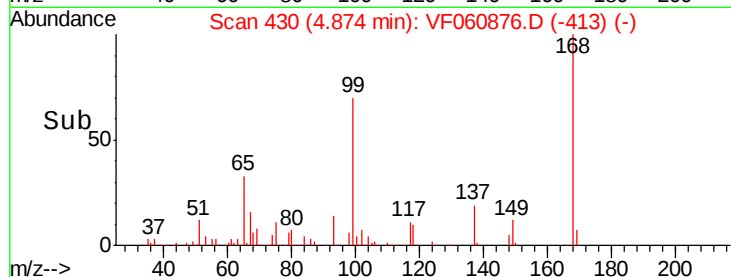
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 17.831 ug/l m

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Tgt Ion: 84 Resp: 26308

Ion Ratio Lower Upper

84 100

49 136.2 111.3 166.9

51 42.8 38.0 57.0

86 56.5 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

10000

8000

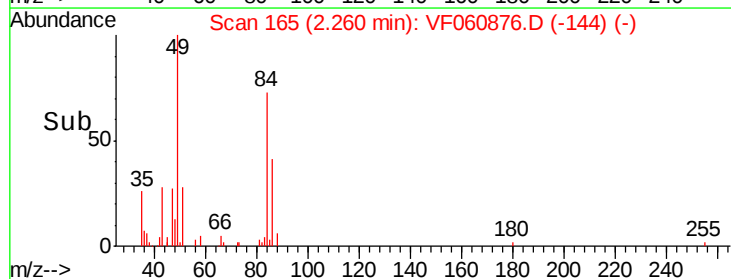
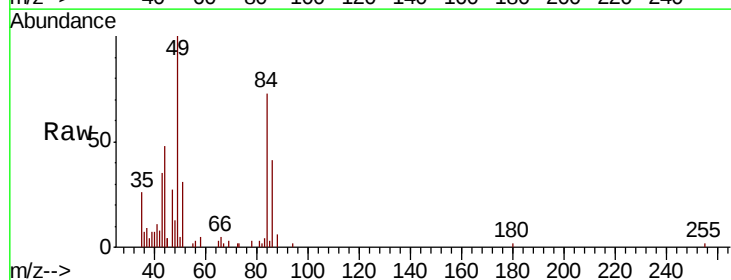
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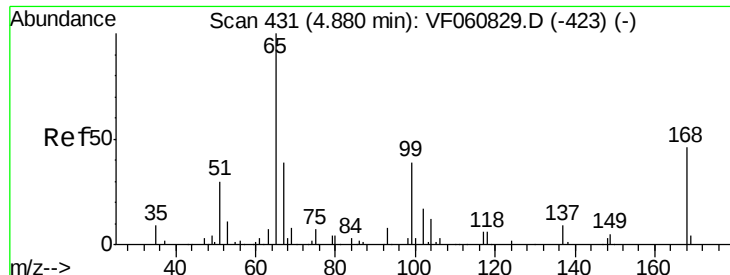
4000

2000

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Time-->





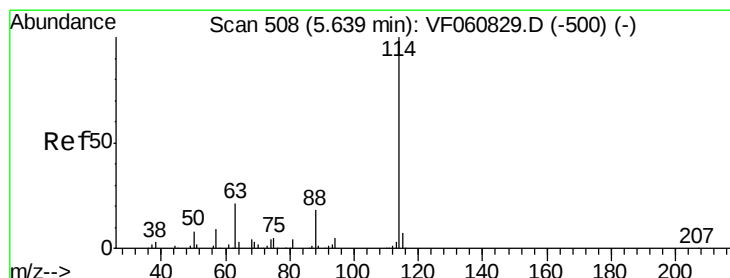
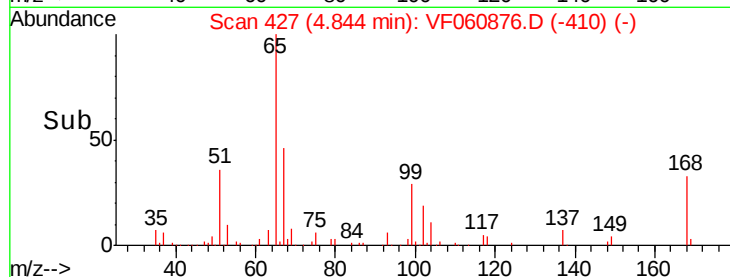
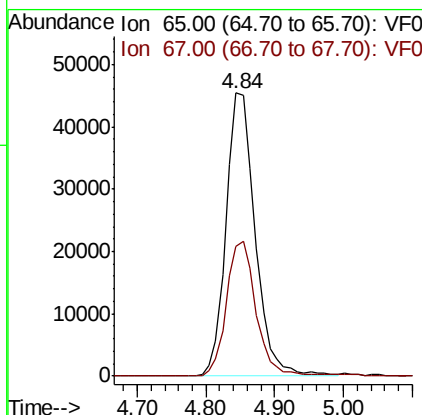
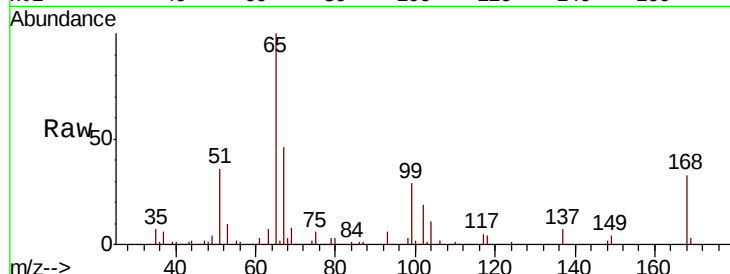
#33
 1,2-Dichloroethane-d4
 Concen: 61.265 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF060876.D
 Acq: 29 Nov 2018 19:42

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-C

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133614		
67	46.0	0.0	96.4	

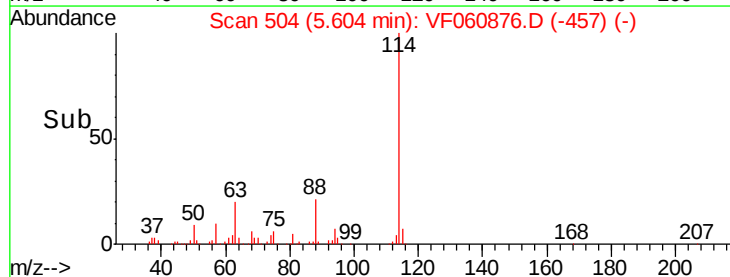
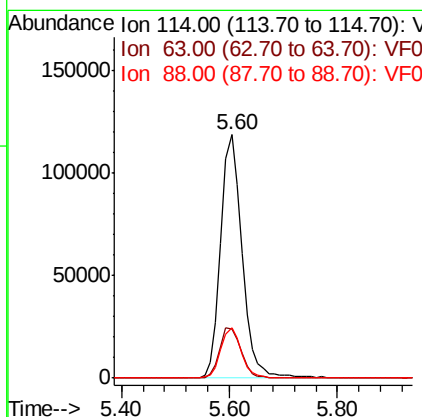
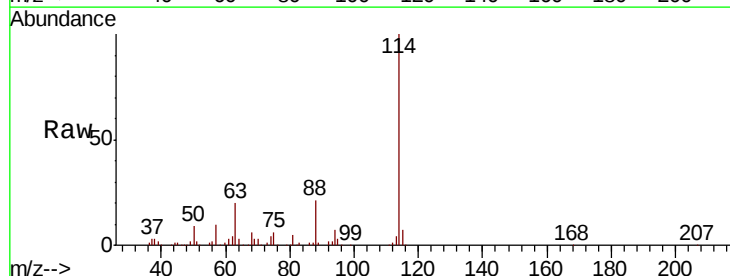
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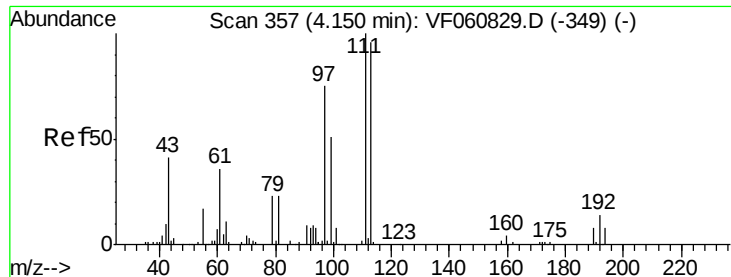
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.04 min
 Lab File: VF060876.D
 Acq: 29 Nov 2018 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	328157		
63	20.1	0.0	41.6	
88	20.9	0.0	36.6	





#35

Dibromofluoromethane

Concen: 55.957 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Instrument :

MSVOA_F

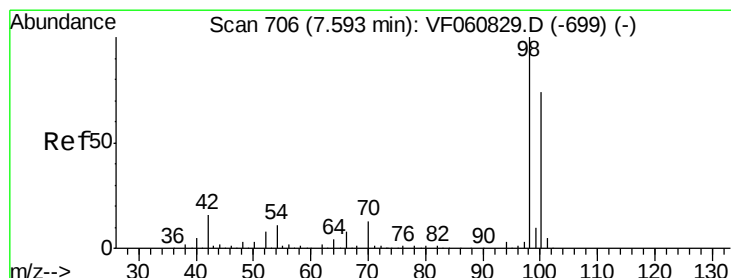
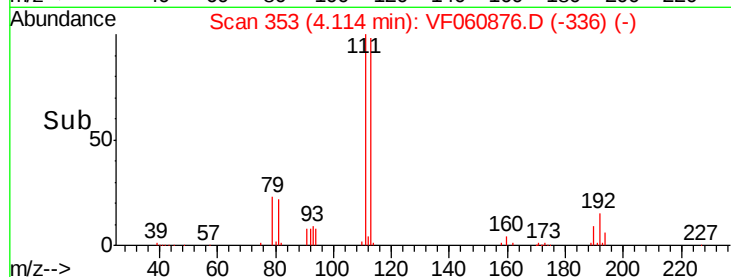
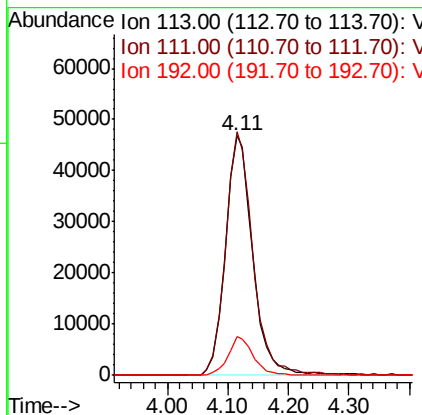
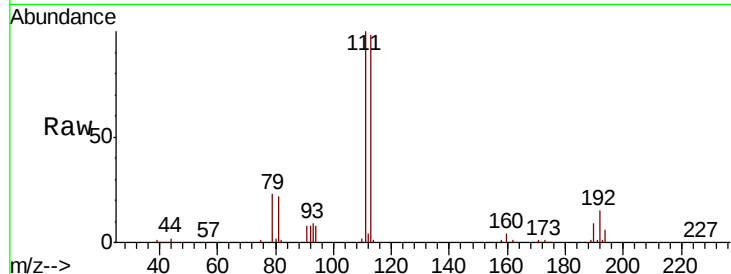
ClientSampleId :

EO-02-112918-C

Tot Ion:	113	Resp:	145677
Ion Ratio	Lower	Upper	
113	100		
111	101.6	83.0	124.6
192	16.4	12.3	18.5

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#50

Toluene-d8

Concen: 46.639 ug/l

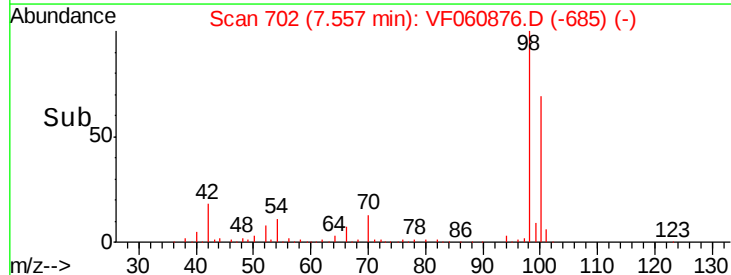
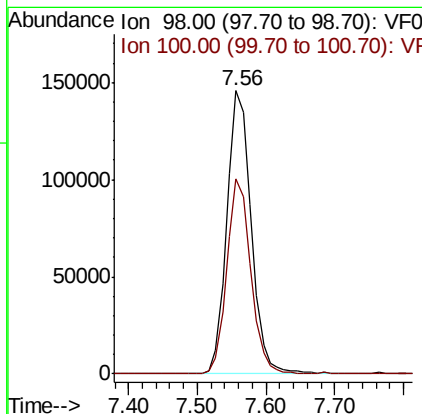
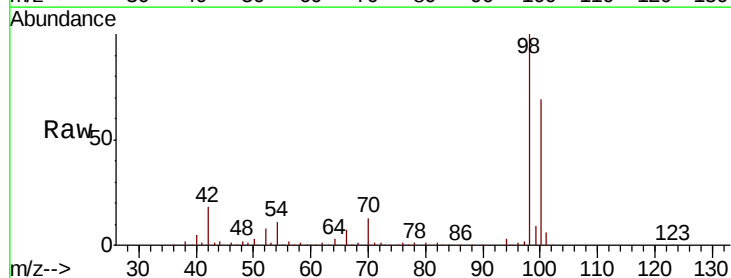
RT: 7.56 min Scan# 702

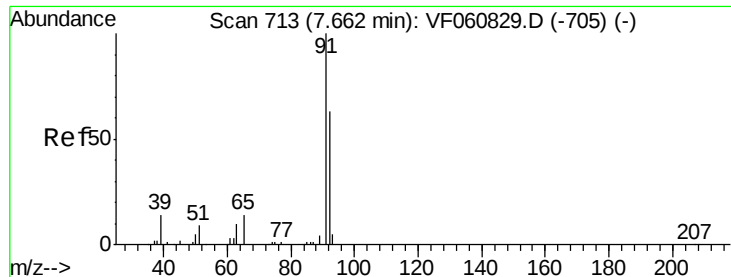
Delta R.T. -0.04 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Tgt Ion:	98	Resp:	357661
Ion Ratio	Lower	Upper	
98	100		
100	69.0	59.3	88.9





#52

Toluene

Concen: 1.073 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-C

Tot Ion: 92 Resp: 6061

Ion Ratio Lower Upper

92 100

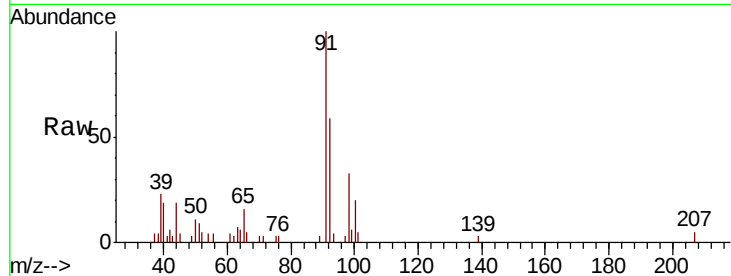
91 170.0 126.2 189.2

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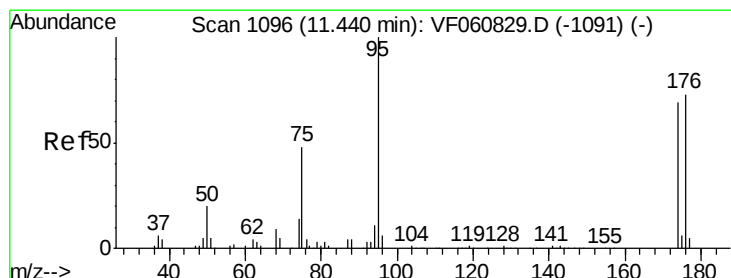
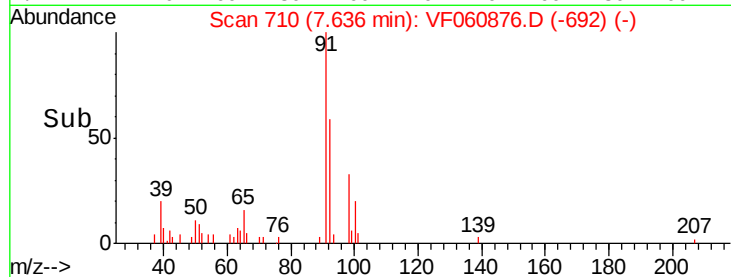
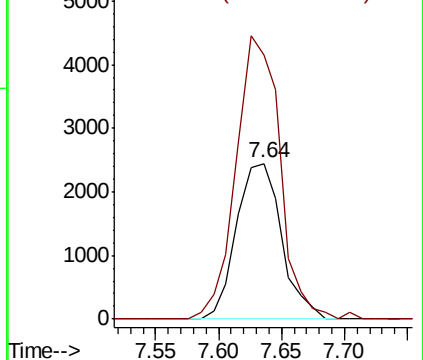
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 48.282 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060876.D

Acq: 29 Nov 2018 19:42

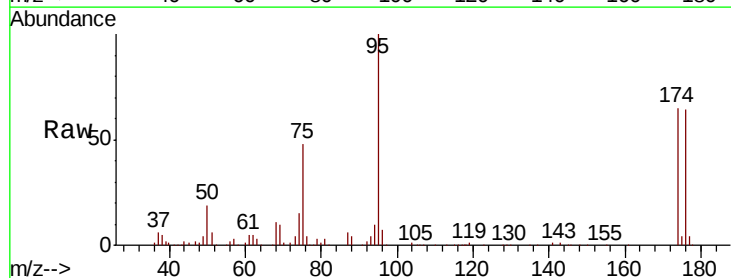
Tgt Ion: 95 Resp: 168278

Ion Ratio Lower Upper

95 100

174 64.9 0.0 138.2

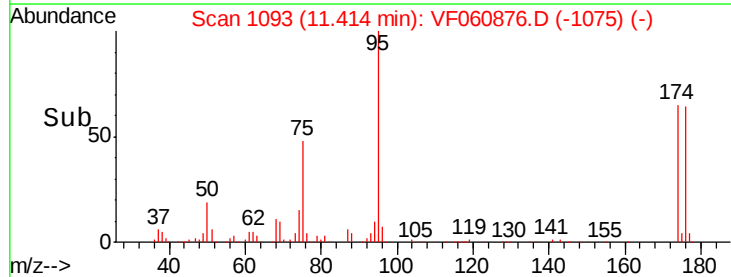
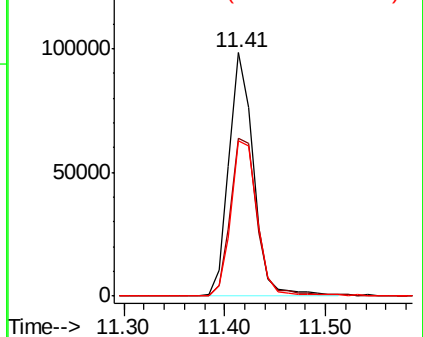
176 63.9 0.0 146.2

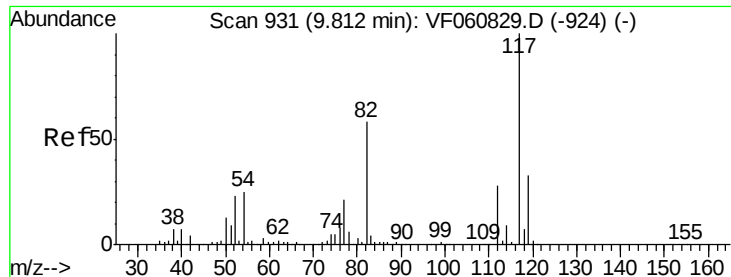


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





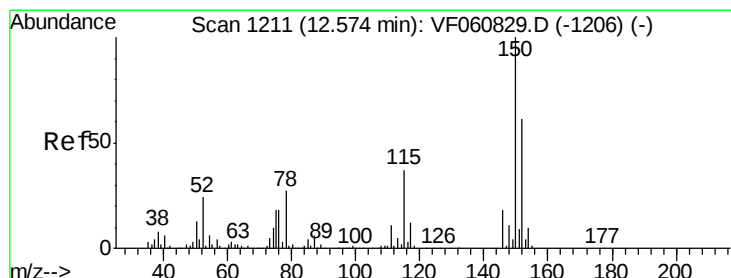
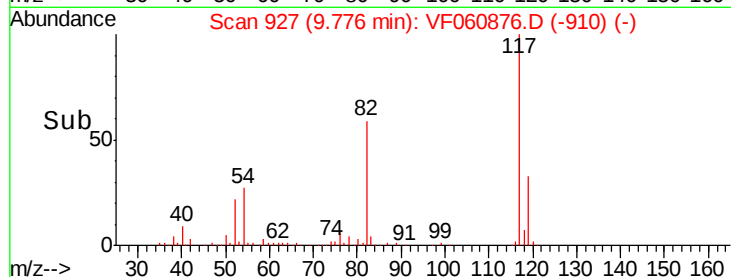
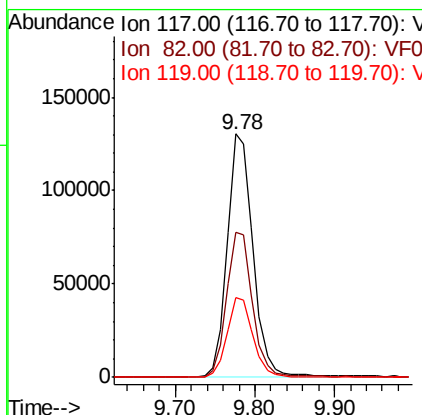
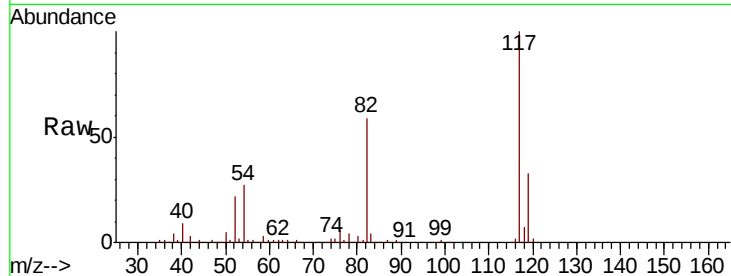
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060876.D
Acq: 29 Nov 2018 19:42

Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-C

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298745		
82	59.5	46.6	69.8	
119	32.7	26.4	39.6	

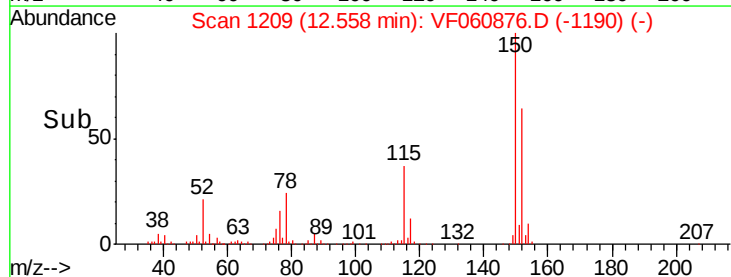
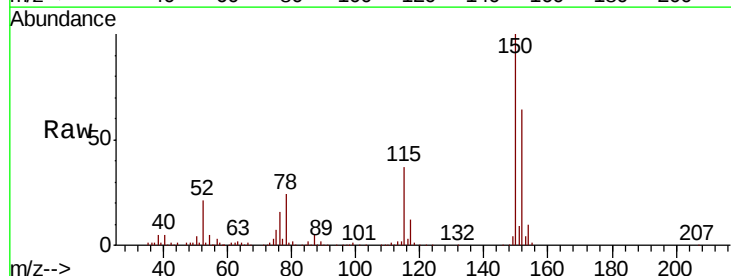
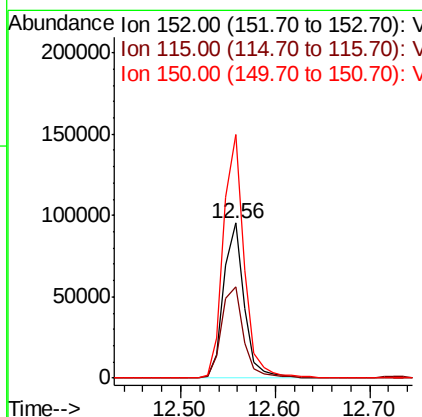
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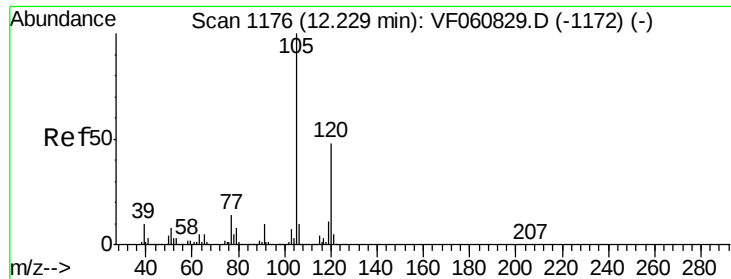
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060876.D
Acq: 29 Nov 2018 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	143927		
115	58.8	30.1	90.5	
150	157.1	0.0	327.6	





#84
 1,2,4-Trimethylbenzene
 Concen: 1.481 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF060876.D
 Acq: 29 Nov 2018 19:42

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-C

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.5

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