

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060109.D
 Acq On : 24 Aug 2018 19:31
 Operator : VA/AP
 Sample : J4282-11
 Misc : 7.11g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-A

Quant Time: Aug 25 05:02:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	163431	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	253650	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	261903	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	136932	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	97061	43.39	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	86.78%	
35) Dibromofluoromethane	4.27	113	94643	47.52	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	95.04%	
50) Toluene-d8	7.70	98	224460	39.68	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	79.36%	
62) 4-Bromofluorobenzene	11.50	95	116616	38.97	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	77.94%	

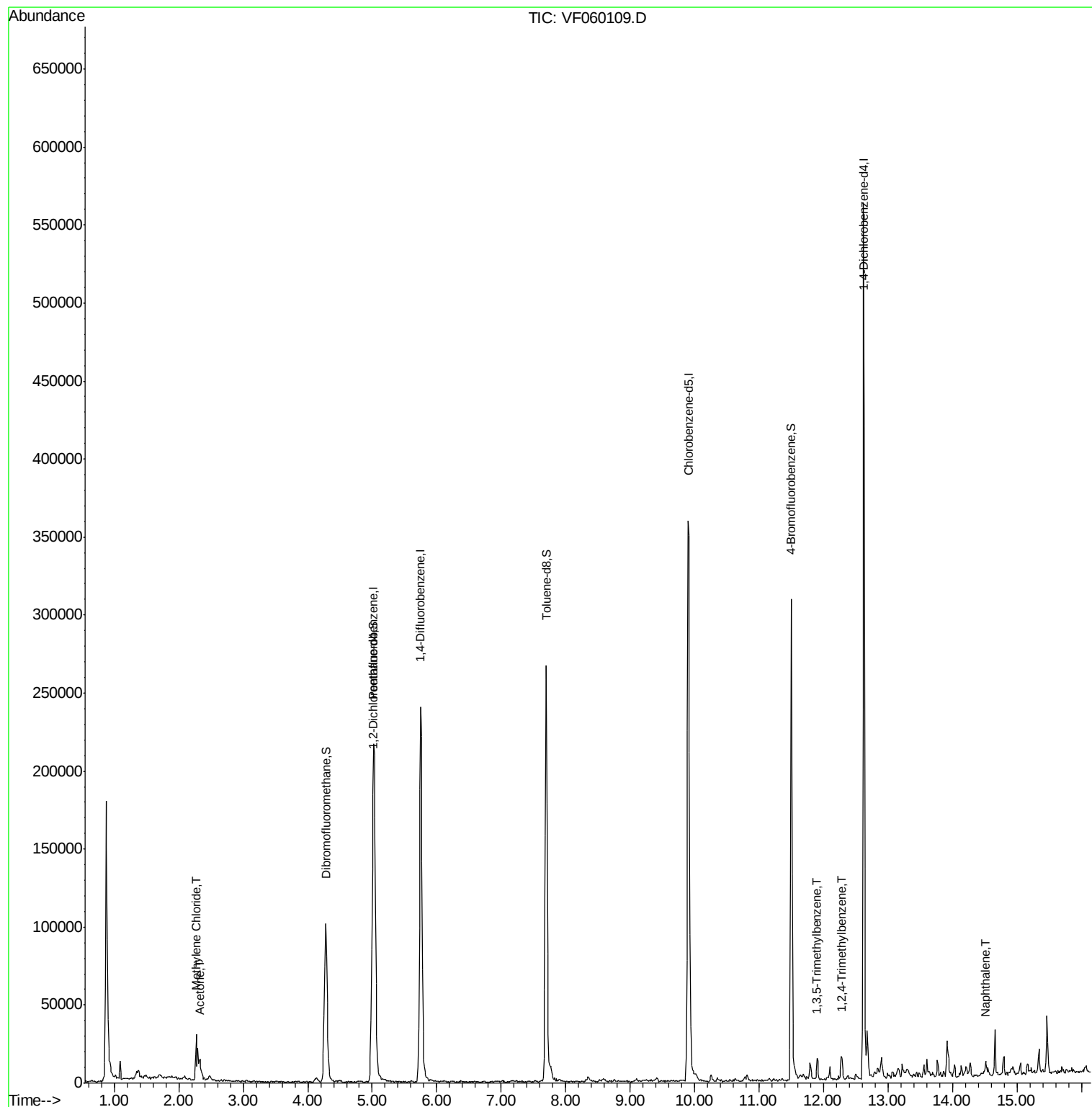
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.33	43	15980	27.18	ug/l #	92
20) Methylene Chloride	2.27	84	13875	7.64	ug/l #	84
80) 1,3,5-Trimethylbenzene	11.90	105	7688	1.07	ug/l	85
84) 1,2,4-Trimethylbenzene	12.28	105	8216	1.08	ug/l	86
95) Naphthalene	14.51	128	6226	3.45	ug/l #	91

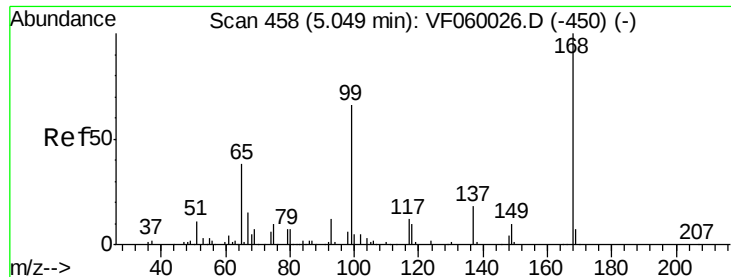
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF060109.D

Acq: 24 Aug 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

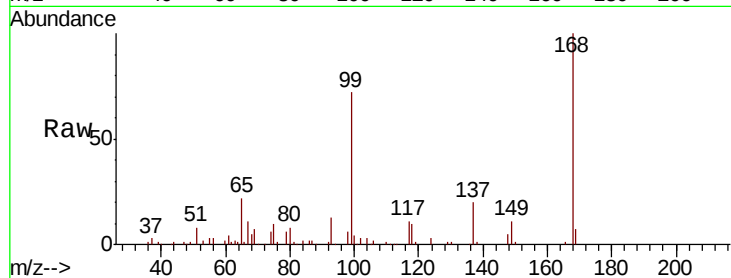
SU-02-082318-A

Tot Ion:168 Resp: 163431

Ion Ratio Lower Upper

168 100

99 72.3 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

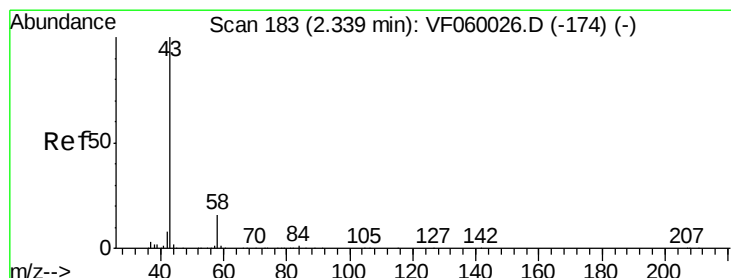
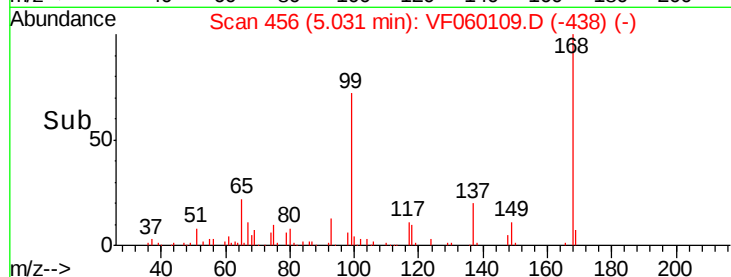
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 27.18 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060109.D

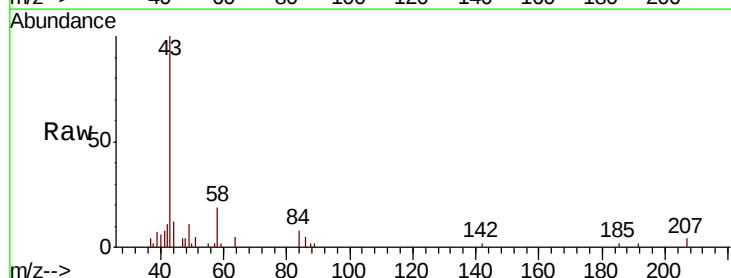
Acq: 24 Aug 2018 19:31

Tgt Ion: 43 Resp: 15980

Ion Ratio Lower Upper

43 100

58 19.0 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

6000

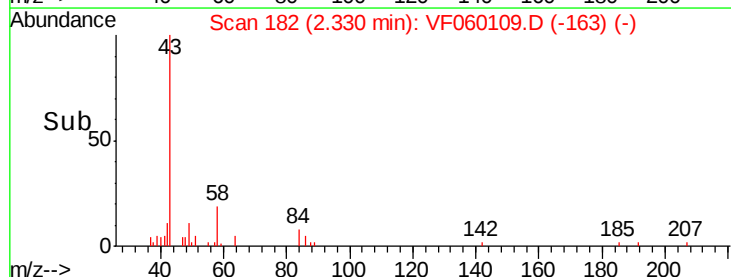
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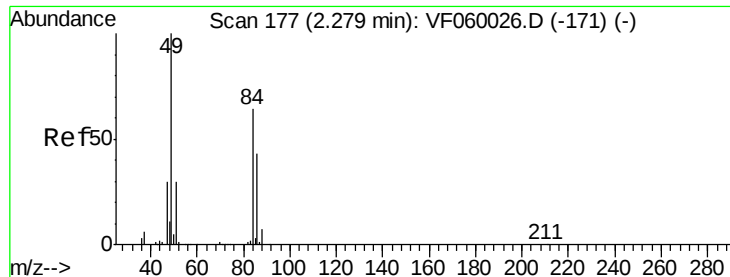
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2.25 2.30 2.35 2.40 2.45

Time-->

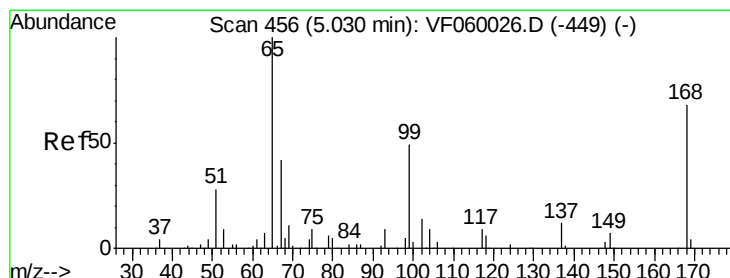
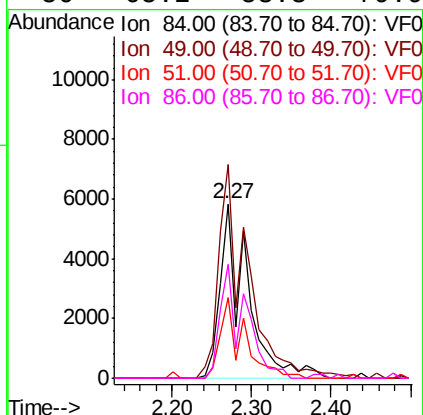
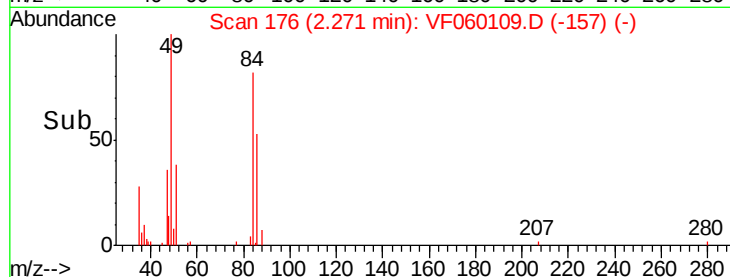
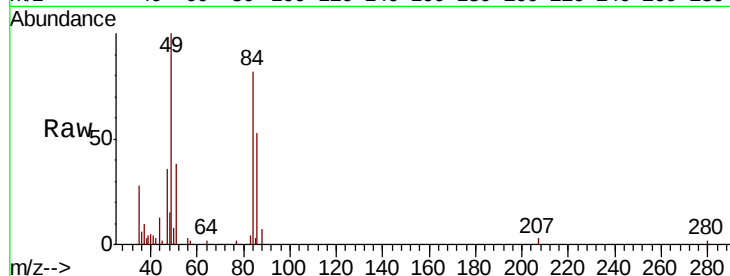




#20
Methvlene Chloride
Concen: 7.64 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

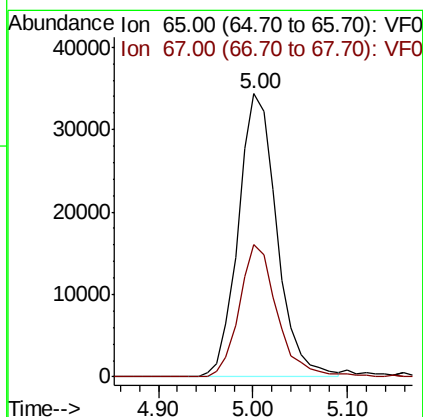
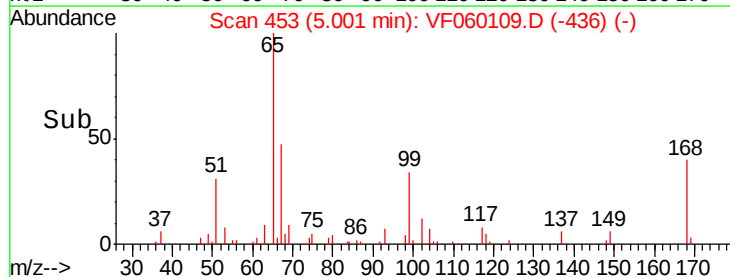
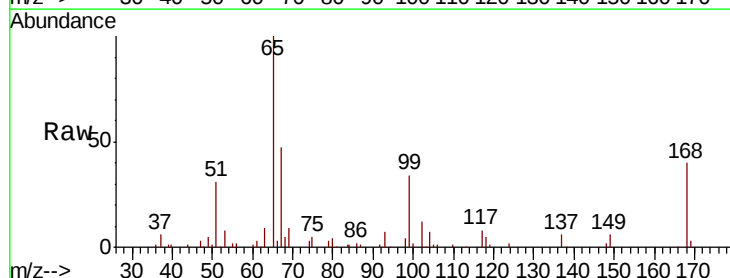
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-A

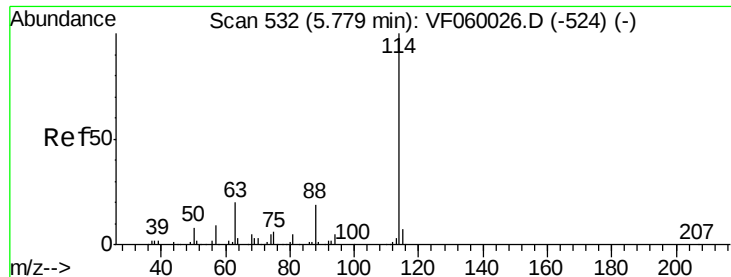
Tot Ion: 84 Resp: 13875
Ion Ratio Lower Upper
84 100
49 122.4 125.4 188.0#
51 46.3 38.3 57.5
86 65.2 53.3 79.9



#33
1,2-Dichloroethane-d4
Concen: 43.39 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.03 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

Tgt Ion: 65 Resp: 97061
Ion Ratio Lower Upper
65 100
67 46.5 0.0 92.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.03 min

Lab File: VF060109.D

Acq: 24 Aug 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-A

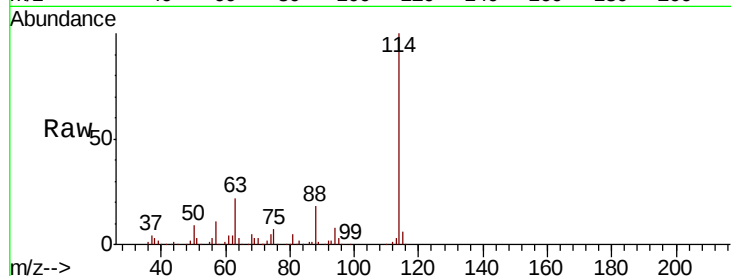
Tot Ion:114 Resp: 253650

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.4

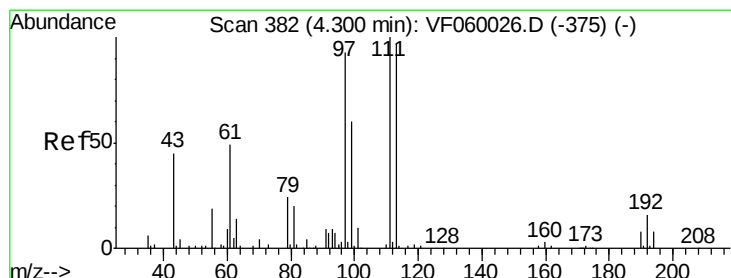
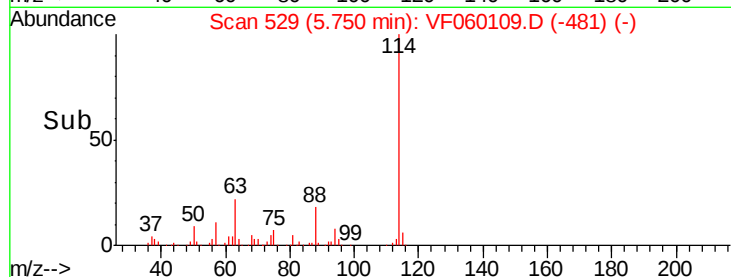
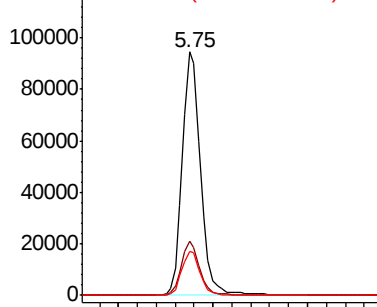
88 18.0 0.0 38.6



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: 47.52 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.03 min

Lab File: VF060109.D

Acq: 24 Aug 2018 19:31

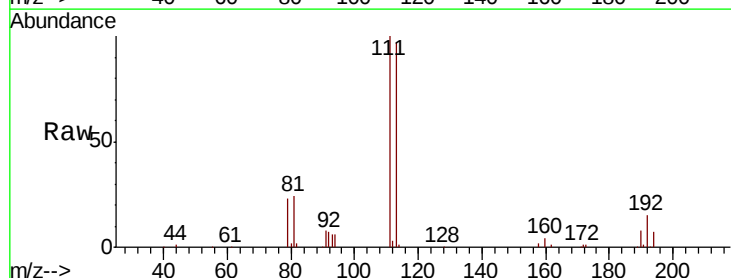
Tgt Ion:113 Resp: 94643

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

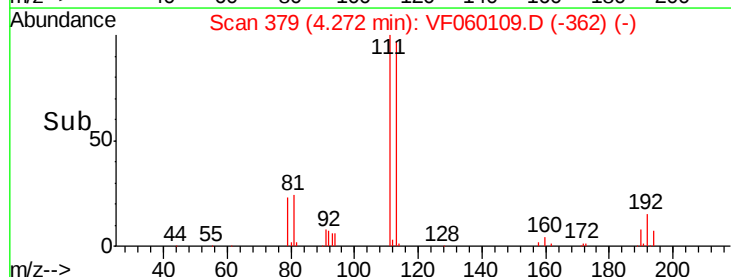
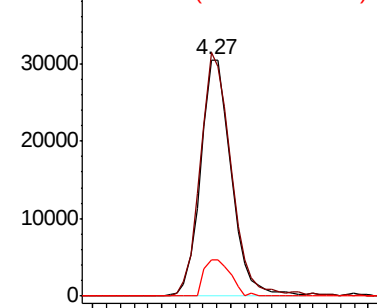
192 15.2 13.0 19.4

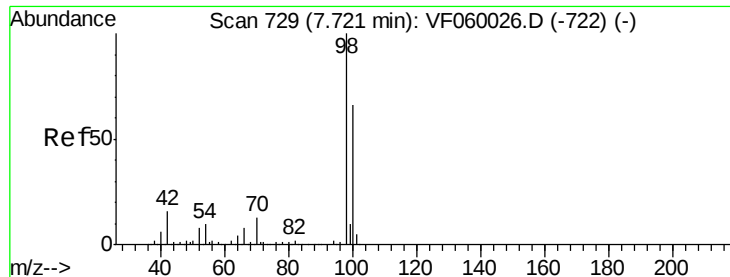


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 39.68 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060109.D

Acq: 24 Aug 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

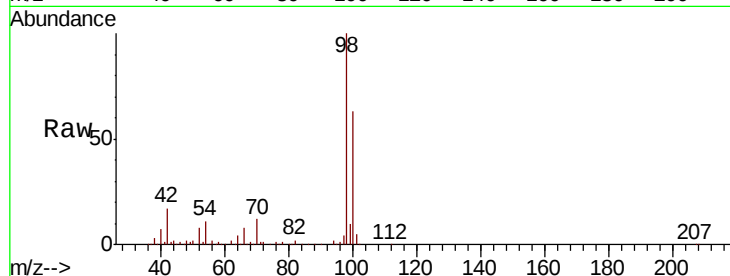
SU-02-082318-A

Tot Ion: 98 Resp: 224460

Ion Ratio Lower Upper

98 100

100 63.5 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.70

100000

80000

60000

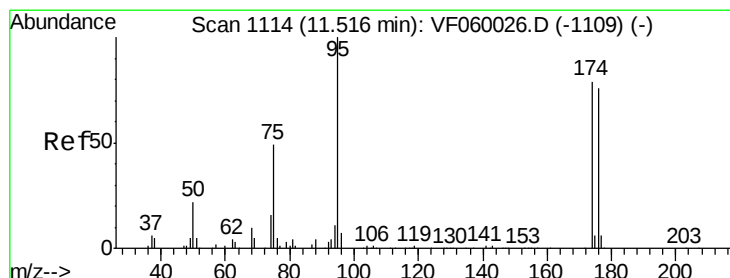
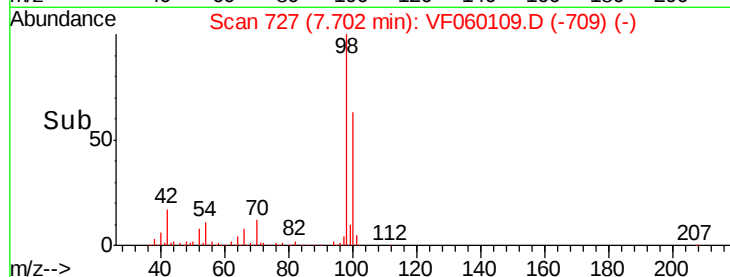
40000

20000

0

Time-->

7.60 7.70 7.80 7.90



#62

4-Bromofluorobenzene

Concen: 38.97 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF060109.D

Acq: 24 Aug 2018 19:31

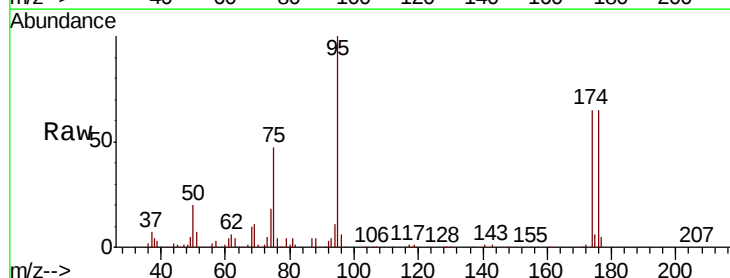
Tgt Ion: 95 Resp: 116616

Ion Ratio Lower Upper

95 100

174 65.2 0.0 158.4

176 64.5 0.0 153.0



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

80000

60000

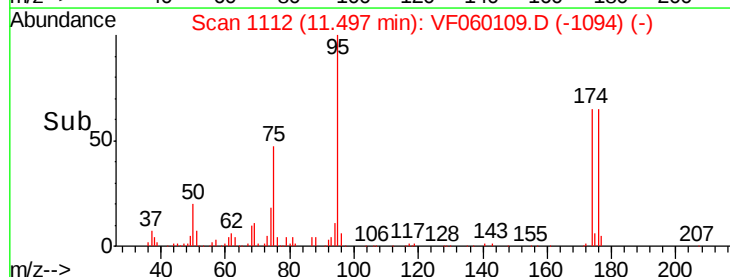
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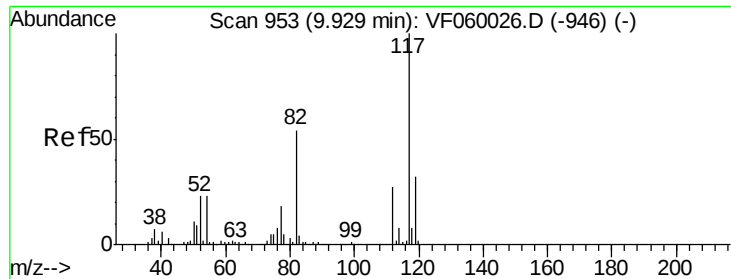
20000

0

Time-->

11.40 11.50 11.60

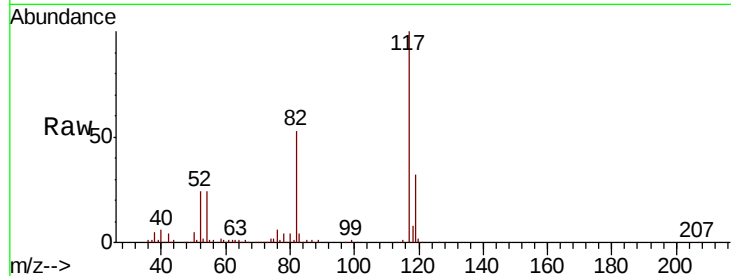




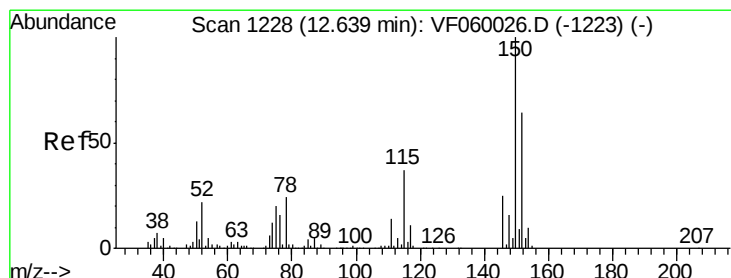
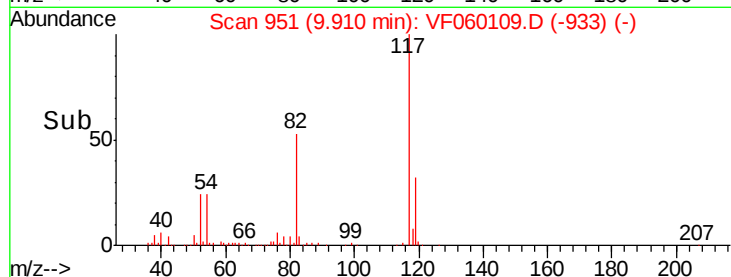
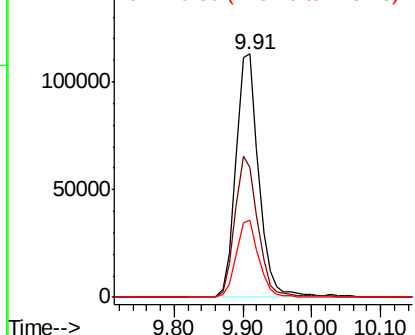
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.6	65.4
119	31.7	25.6	38.4

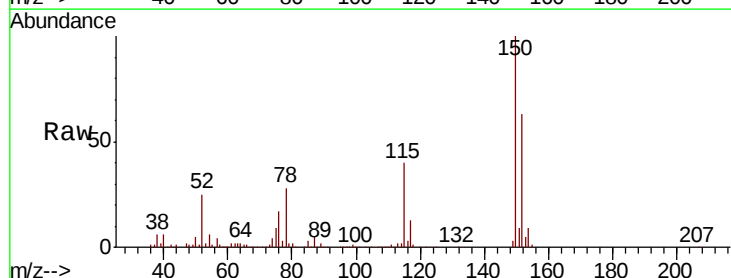


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

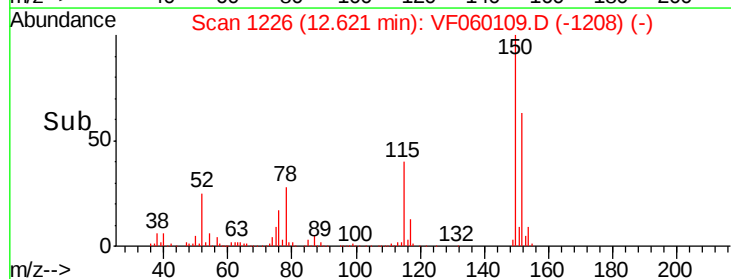
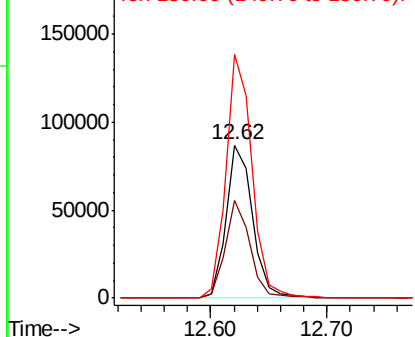


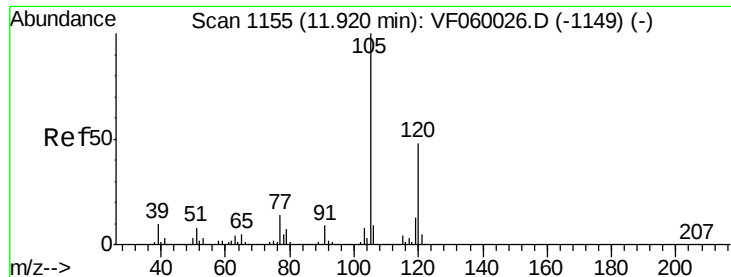
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.02 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	28.6	85.9
150	159.0	0.0	312.0



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

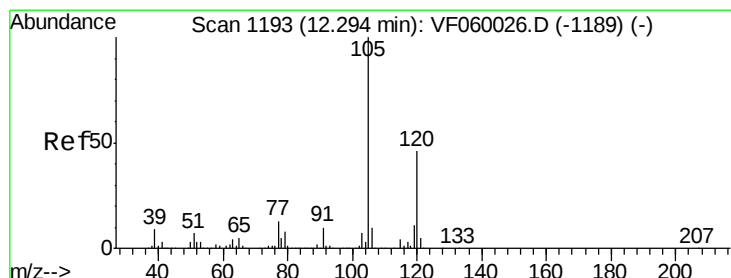
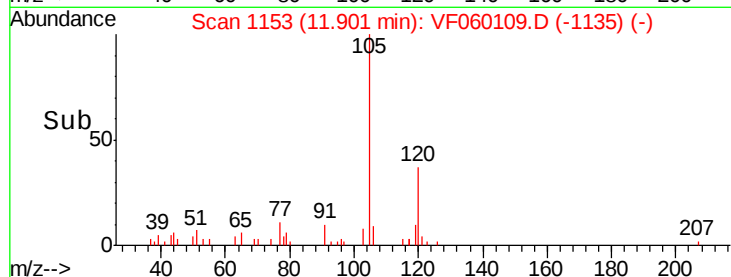
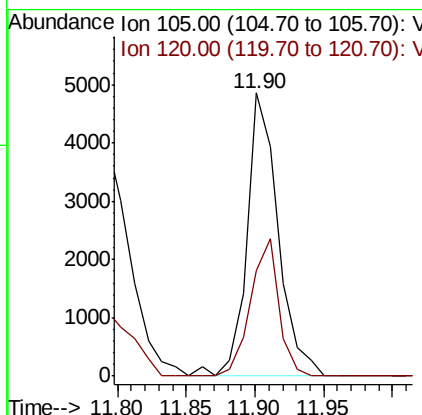
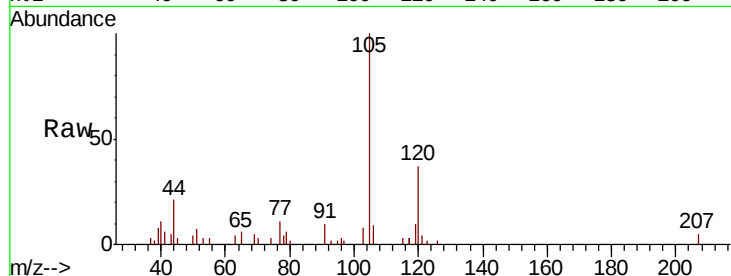




#80
 1,3,5-Trimethylbenzene
 Concen: 1.07 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

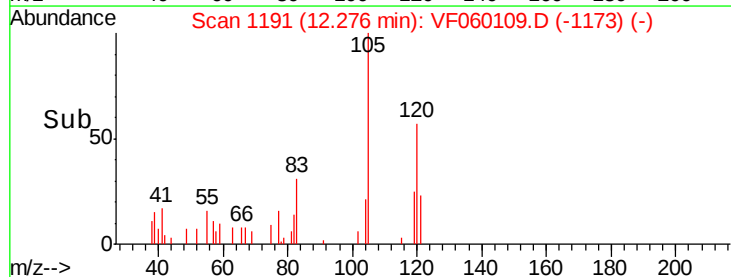
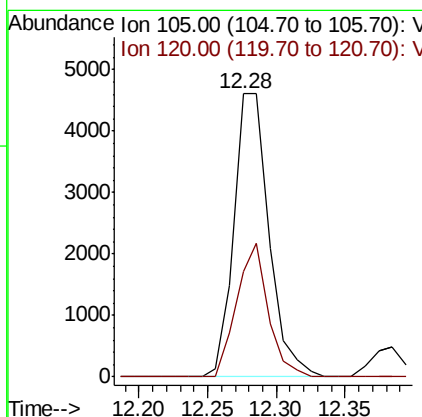
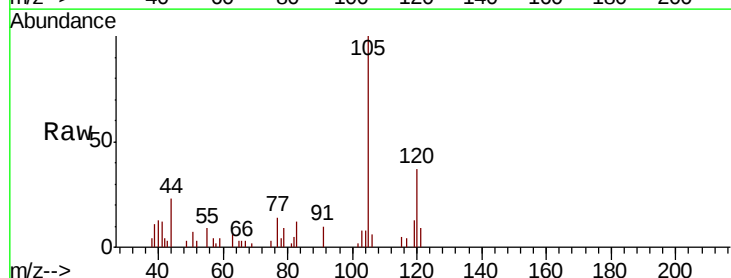
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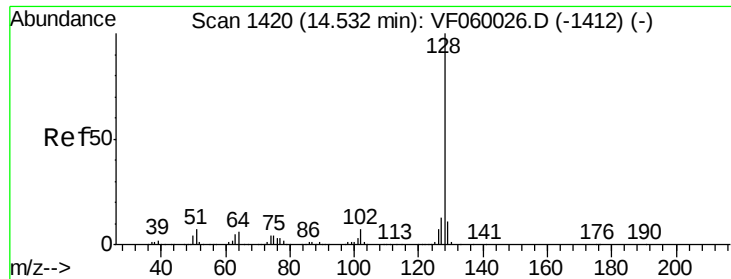
Tot Ion:105 Resp: 7688
 Ion Ratio Lower Upper
 105 100
 120 37.3 23.8 71.5



#84
 1,2,4-Trimethylbenzene
 Concen: 1.08 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

Tgt Ion:105 Resp: 8216
 Ion Ratio Lower Upper
 105 100
 120 37.0 23.3 69.8

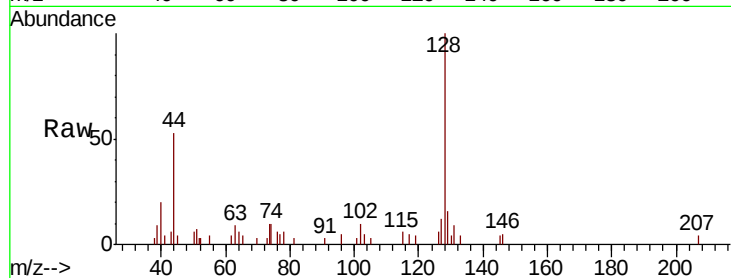




#95
 Naphthalene
 Concen: 3.45 ug/l
 RT: 14.51 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.4	15.6
129	16.2	8.5	12.7



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

