

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062139.D
 Acq On : 25 Mar 2019 18:47
 Operator : VA/AP
 Sample : K2086-02
 Misc : 8.62g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-12

Manual Integrations
 APPROVED

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 3/26/2019 3:59:51 PM

Quant Time: Mar 26 05:40:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	309999	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	471762	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	363104	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	153104	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	92715	40.21	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	80.42%	
35) Dibromofluoromethane	4.12	113	140903	44.15	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.30%	
50) Toluene-d8	7.55	98	318464	33.43	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	66.86%	
62) 4-Bromofluorobenzene	11.40	95	113382	30.83	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	61.66%	
Target Compounds						
16) Acetone	2.23	43	17814	36.708	ug/l	96
20) Methylene Chloride	2.18	84	15052m	2.080	ug/l	

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

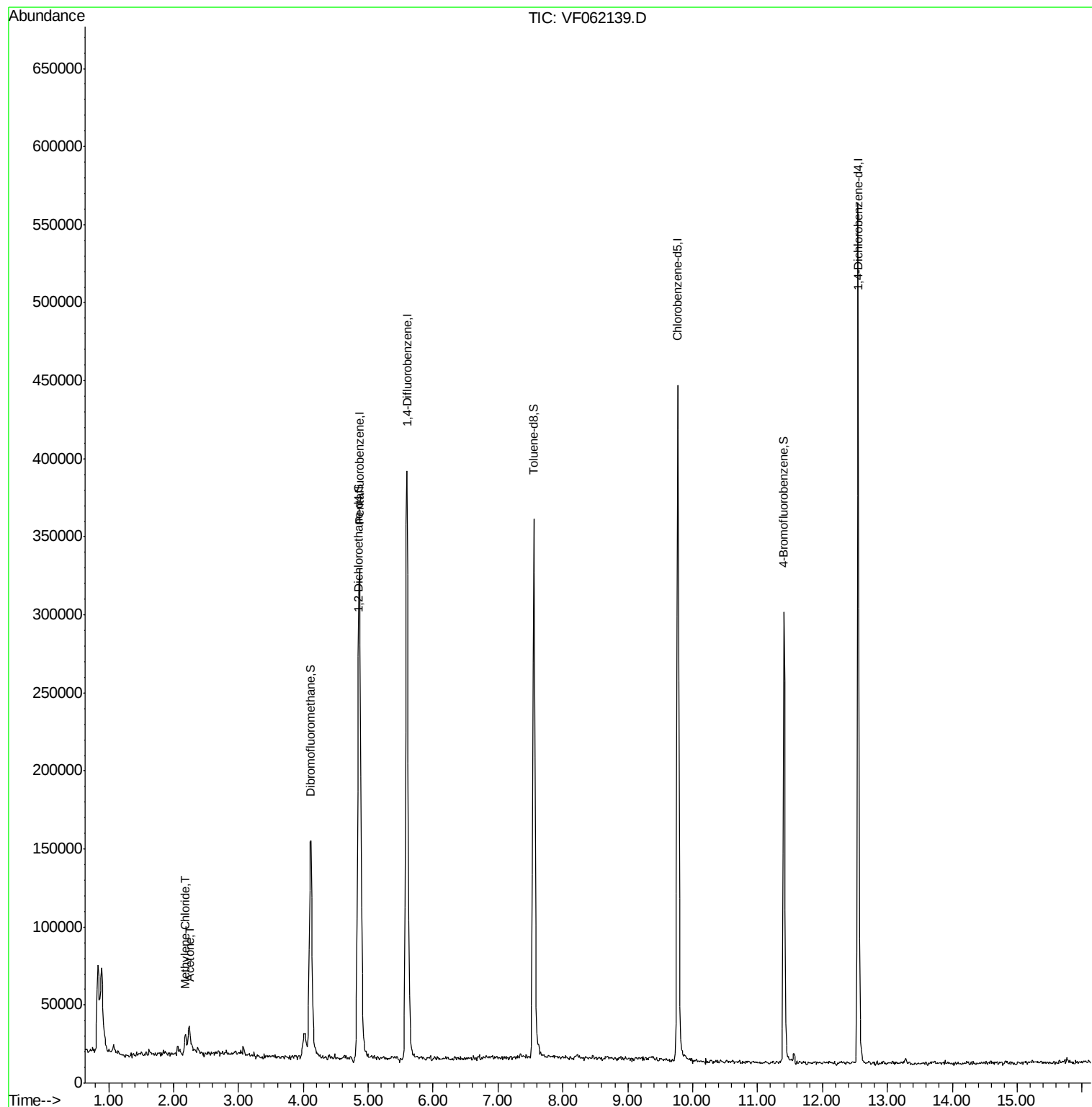
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032519\
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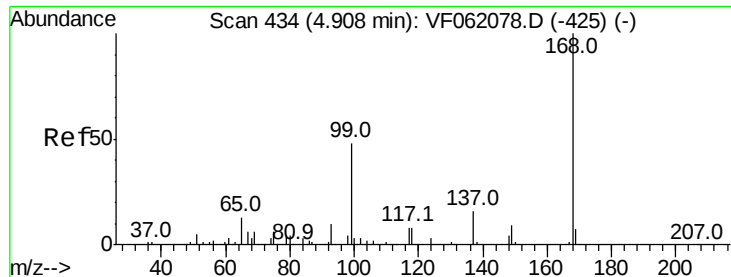
Instrument :
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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF062139.D

Acq: 25 Mar 2019 18:47

Instrument :

MSVOA_F

ClientSampleId :

CS-12

Tot Ion:168 Resp: 309999

Ion Ratio Lower Upper

168 100

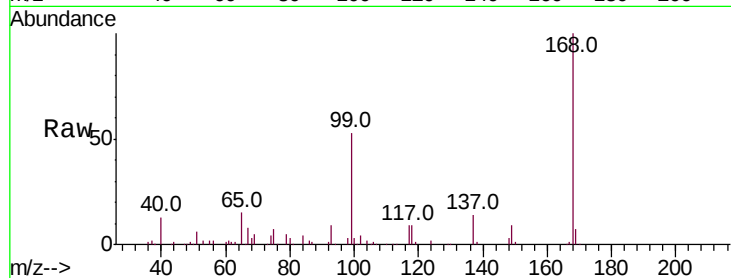
99 53.4 38.2 57.4

Manual Integrations

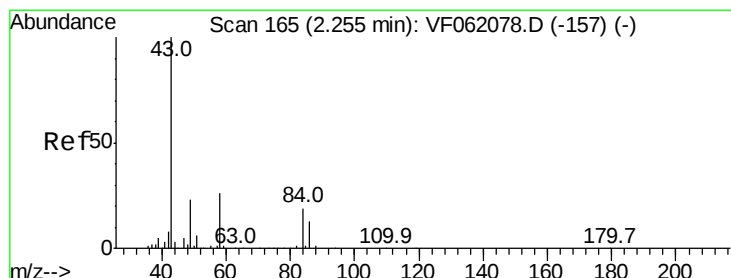
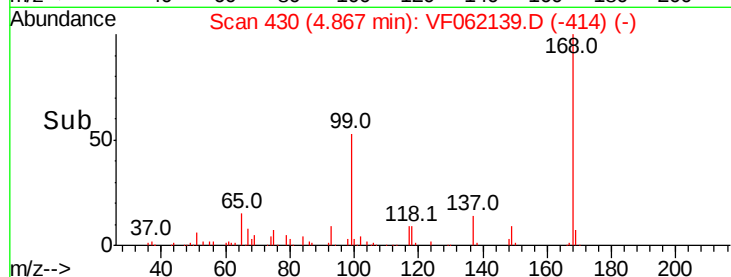
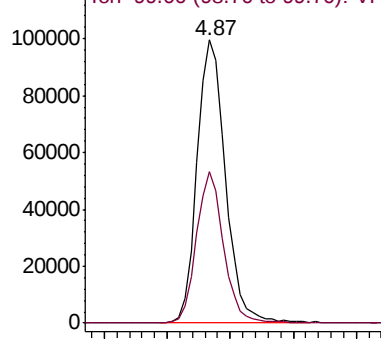
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#16

Acetone

Concen: 36.708 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062139.D

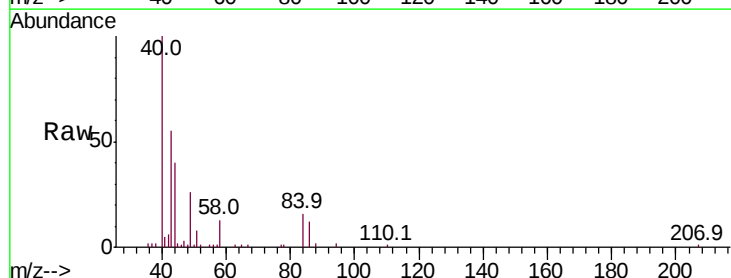
Acq: 25 Mar 2019 18:47

Tgt Ion: 43 Resp: 17814

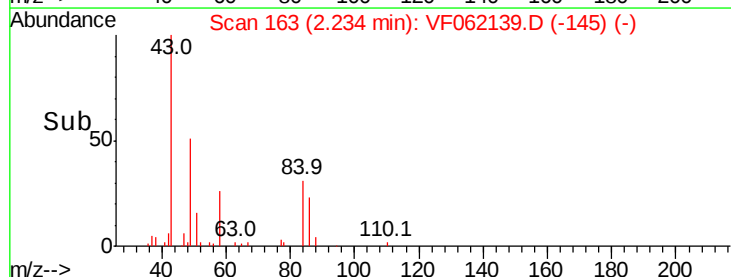
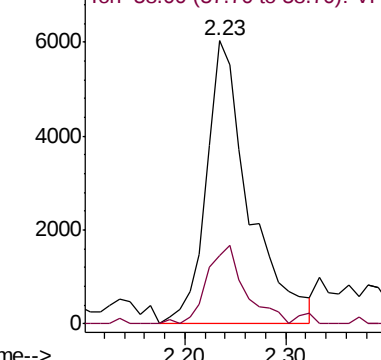
Ion Ratio Lower Upper

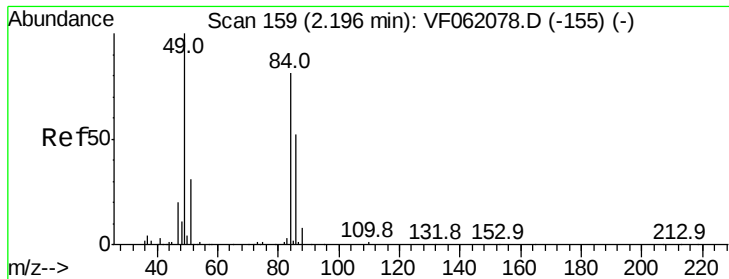
43 100

58 24.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0





#20

Methylene Chloride

Concen: 2.080 ug/l m

RT: 2.18 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF062139.D

Acq: 25 Mar 2019 18:47

Instrument :

MSVOA_F

ClientSampleId :

CS-12

Tot Ion: 84 Resp: 15052

Ion Ratio Lower Upper

84 100

49 112.8 100.4 150.6

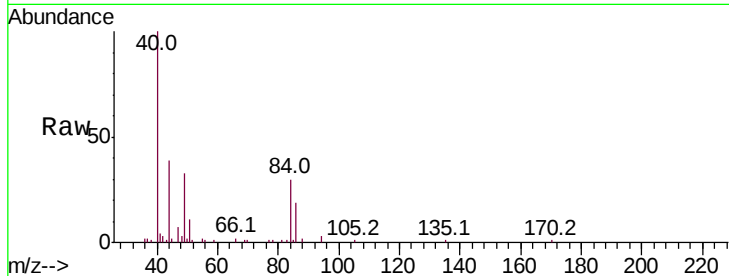
51 36.4 31.0 46.6

86 62.9 51.3 76.9

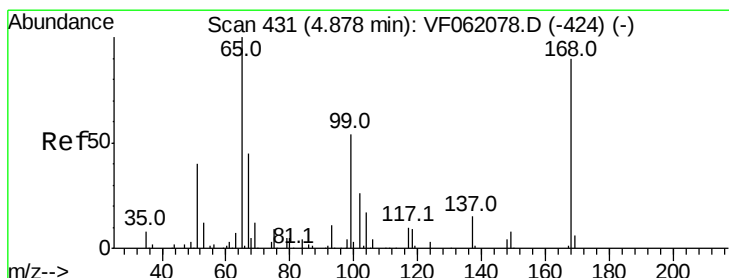
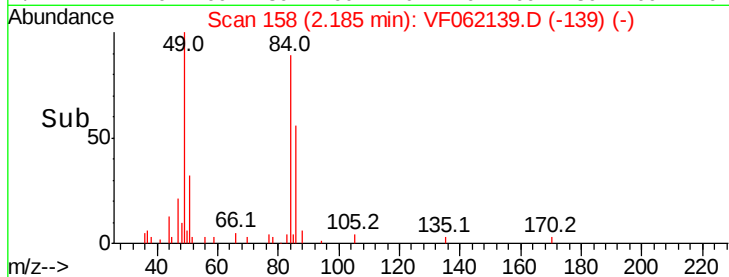
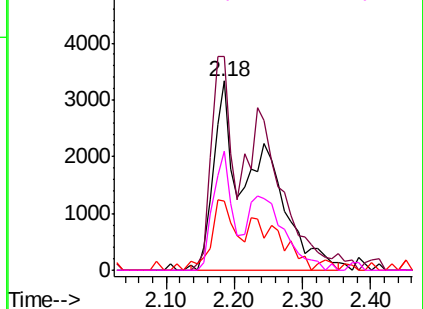
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Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 40.210 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF062139.D

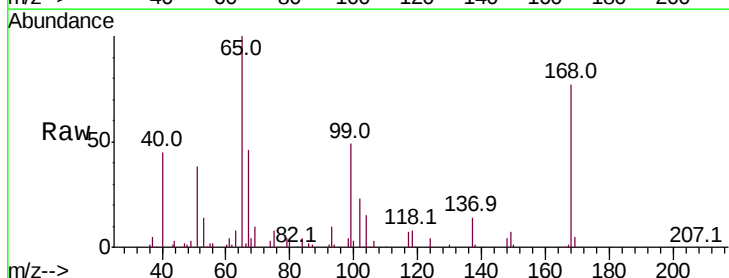
Acq: 25 Mar 2019 18:47

Tgt Ion: 65 Resp: 92715

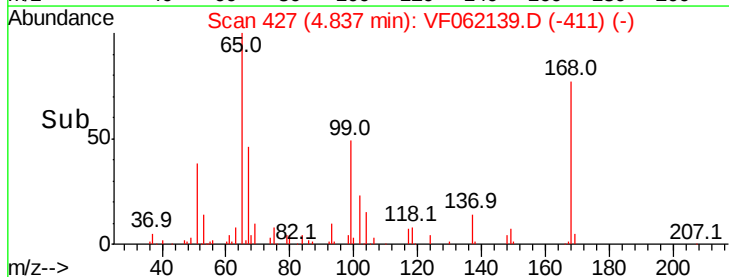
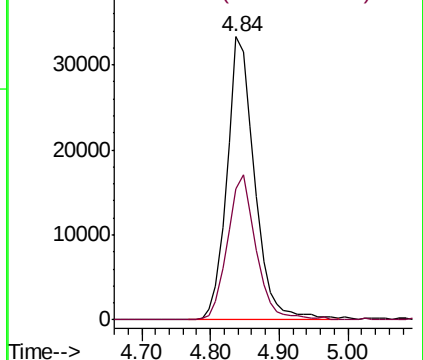
Ion Ratio Lower Upper

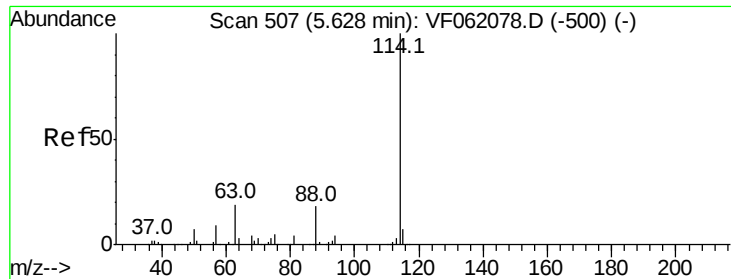
65 100

67 46.2 0.0 106.2



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. -0.03 min

Lab File: VF062139.D

Acq: 25 Mar 2019 18:47

Instrument :

MSVOA_F

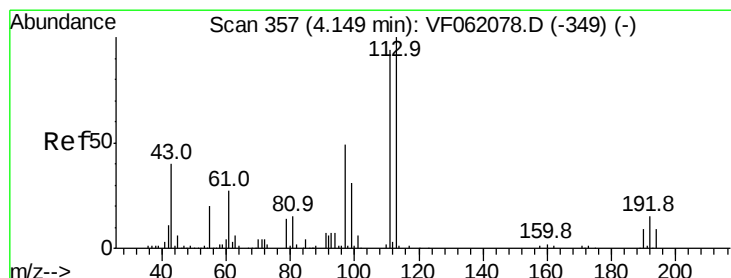
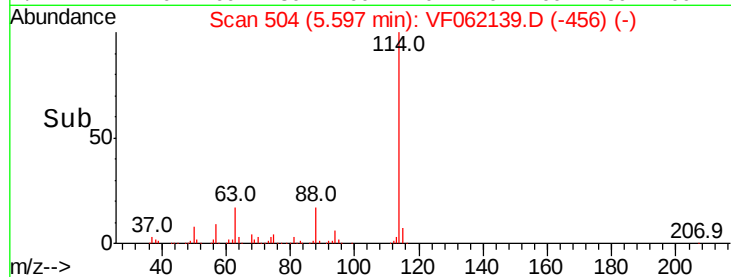
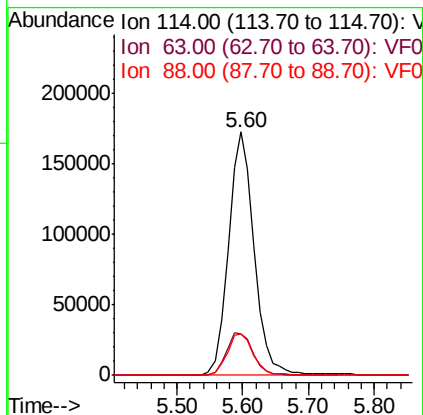
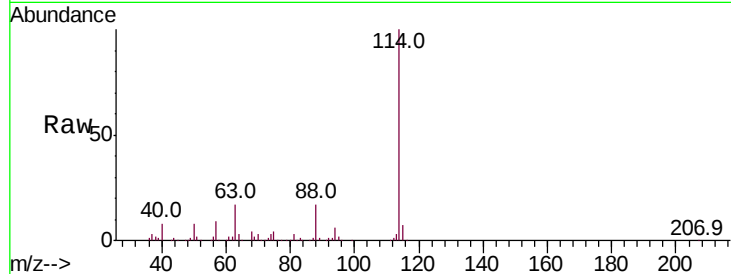
ClientSampleId :

CS-12

Tot Ion:	114	Resp:	471762
Ion Ratio	Lower	Upper	
114	100		
63	17.1	0.0	37.8
88	17.2	0.0	36.4

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#35

Dibromofluoromethane

Concen: 44.152 ug/l

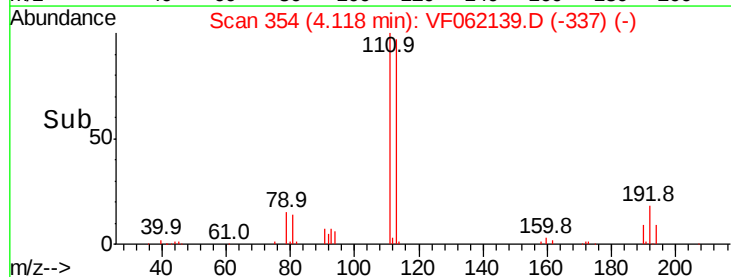
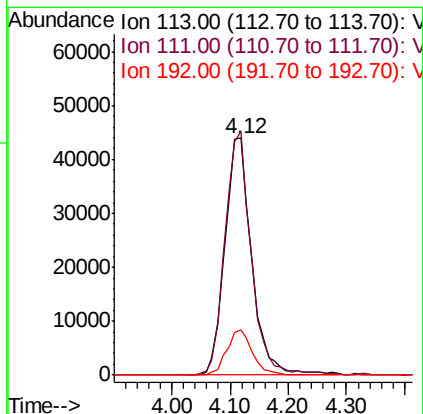
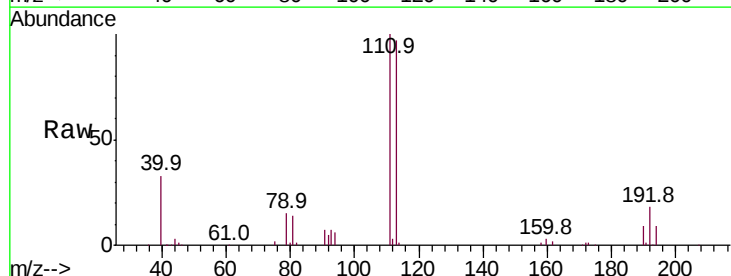
RT: 4.12 min Scan# 354

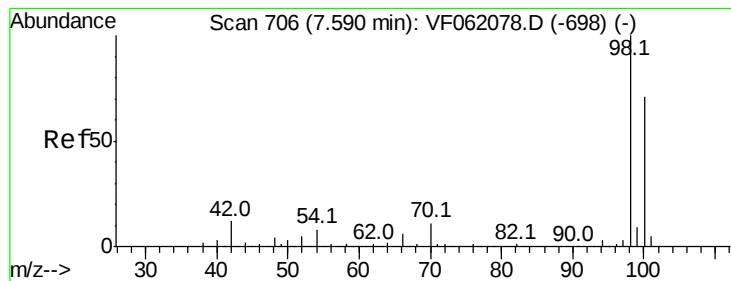
Delta R.T. -0.03 min

Lab File: VF062139.D

Acq: 25 Mar 2019 18:47

Tgt Ion:	113	Resp:	140903
Ion Ratio	Lower	Upper	
113	100		
111	102.9	75.4	113.0
192	19.0	12.3	18.5#





#50

Toluene-d8

Concen: 33.431 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF062139.D

Acq: 25 Mar 2019 18:47

Instrument :

MSVOA_F

ClientSampleId :

CS-12

Tot Ion: 98 Resp: 318464

Ion Ratio Lower Upper

98 100

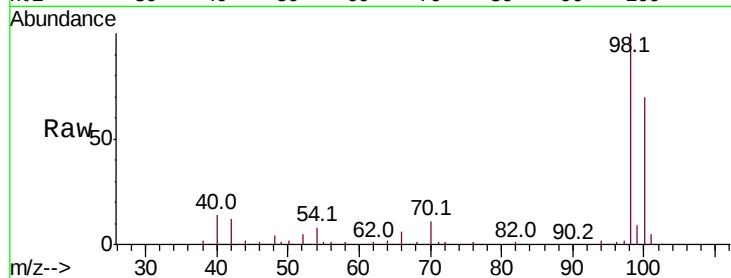
100 70.2 57.0 85.6

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.55

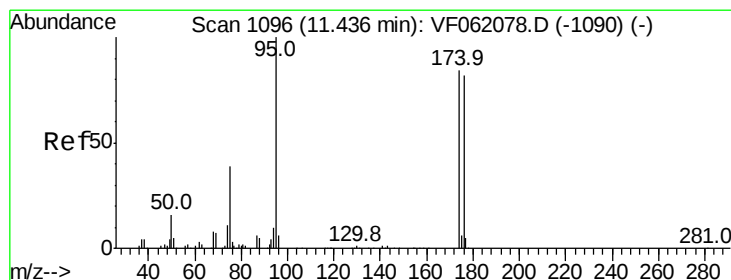
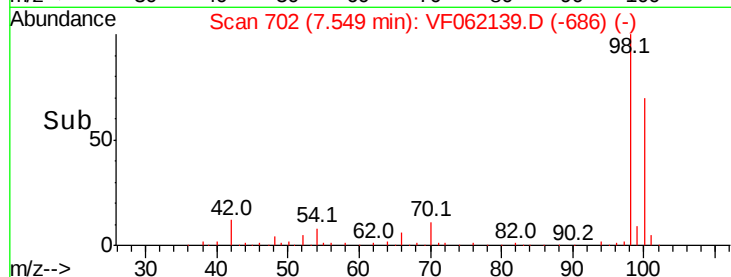
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 30.831 ug/l

RT: 11.40 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062139.D

Acq: 25 Mar 2019 18:47

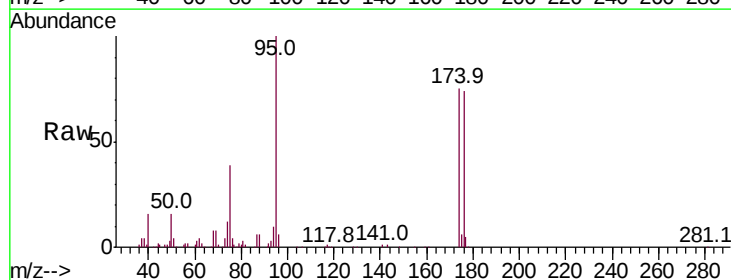
Tgt Ion: 95 Resp: 113382

Ion Ratio Lower Upper

95 100

174 75.1 0.0 168.2

176 73.6 0.0 164.2



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

11.40

80000

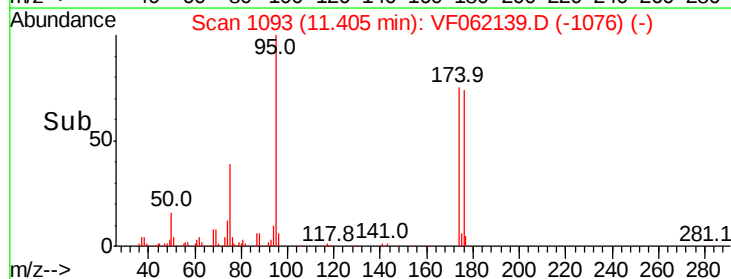
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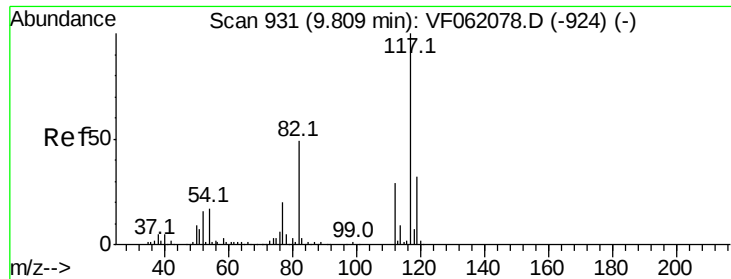
40000

20000

0

Time-->





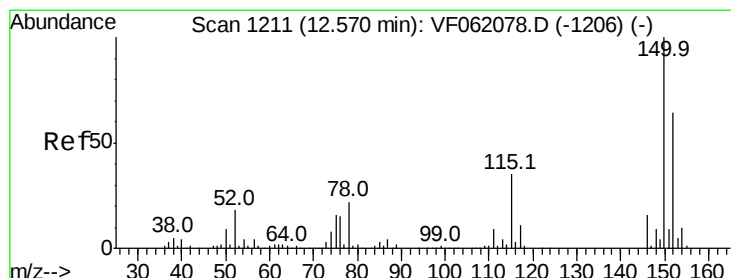
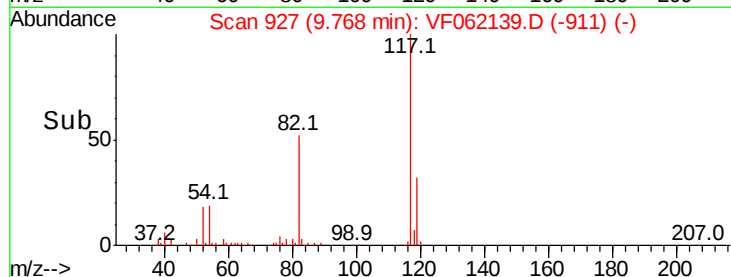
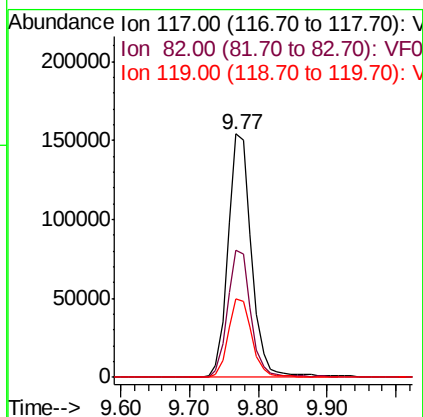
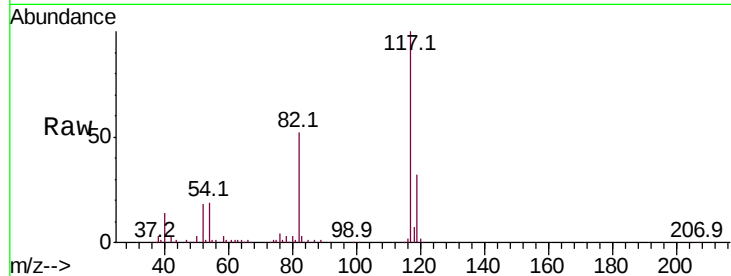
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF062139.D
Acq: 25 Mar 2019 18:47

Instrument :
MSVOA_F
ClientSampleId :
CS-12

Tot Ion	Ratio	Resp	Lower	Upper
117	100	363104		
82	52.2		39.2	58.8
119	32.4		25.4	38.2

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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062139.D
Acq: 25 Mar 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	153104		
115	53.6		27.7	83.1
150	154.4		0.0	313.2

