

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

Quant Time: Mar 26 04:22:21 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

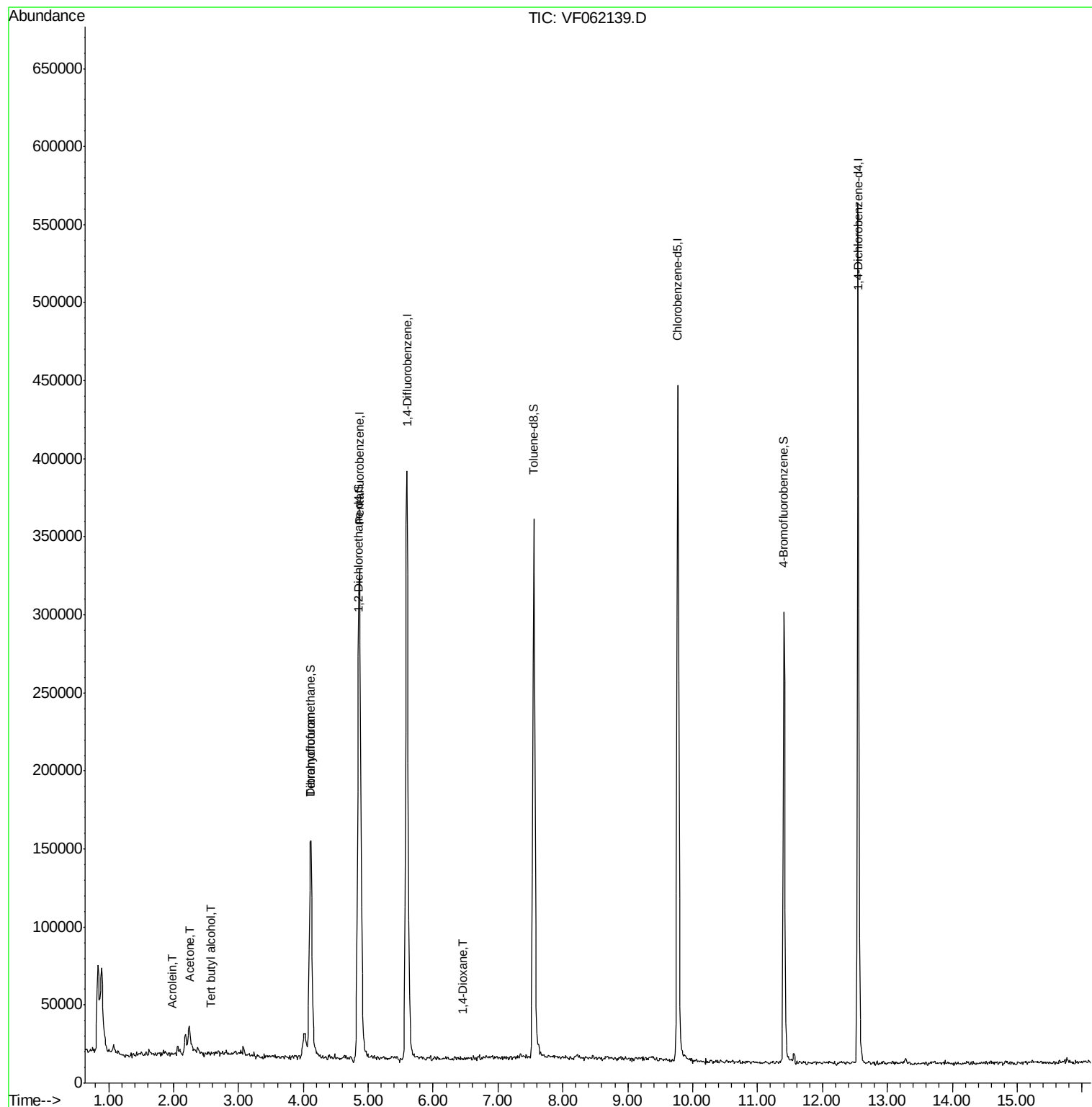
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	309999	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	471762	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	363104	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	153104	50.00	ug/l	-0.02
System Monitoring 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						
					Qvalue	
11) Tert butyl alcohol	2.58	59	470	3.705	ug/l #	66
13) Acrolein	1.97	56	179	1.173	ug/l #	83
16) Acetone	2.23	43	17814	36.708	ug/l	96
20) Methylene Chloride	2.18	84	6344	Below Cal		93
29) Tetrahydrofuran	4.11	42	499	1.133	ug/l #	54
49) 1,4-Dioxane	6.45	88	79	6.649	ug/l #	12

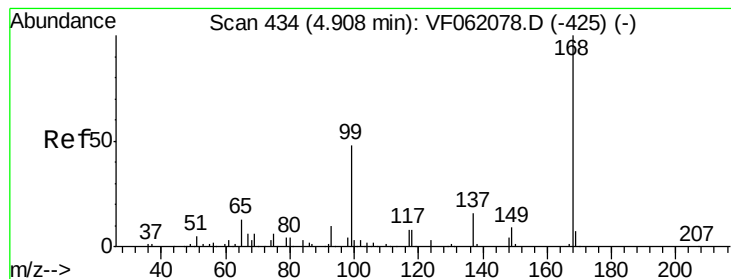
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

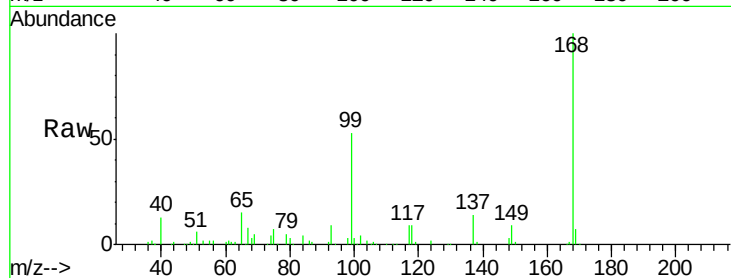
CS-12

Tot Ion:168 Resp: 309999

Ion Ratio Lower Upper

168 100

99 53.4 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

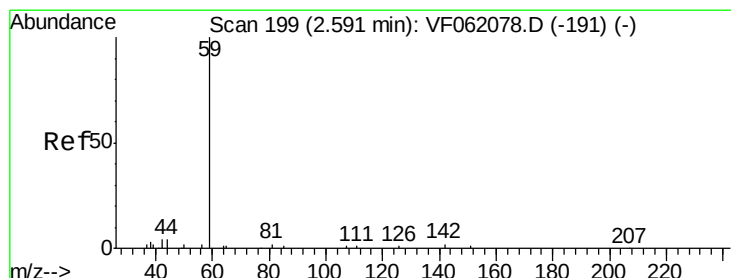
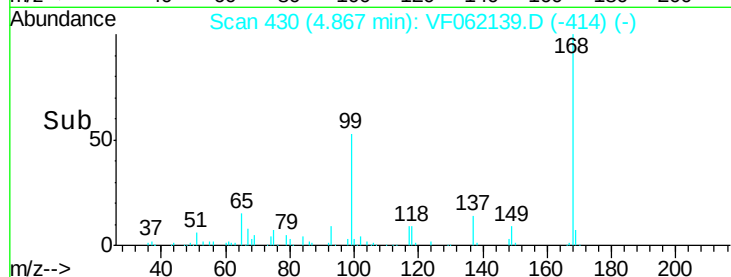
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 3.705 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.01 min

Lab File: VF062139.D

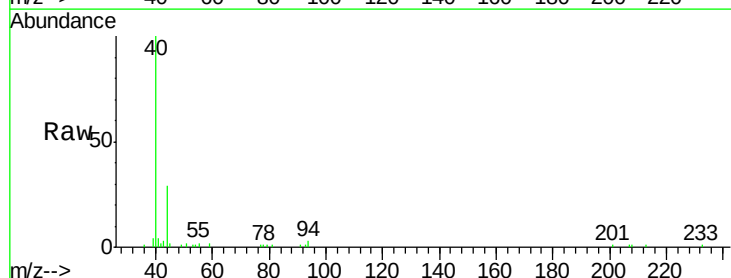
Acq: 25 Mar 2019 18:47

Tgt Ion: 59 Resp: 470

Ion Ratio Lower Upper

59 100

57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

250

200

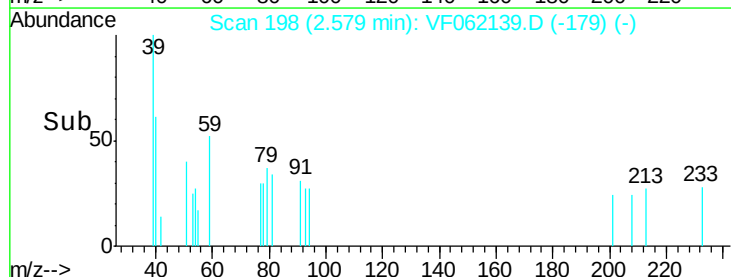
150

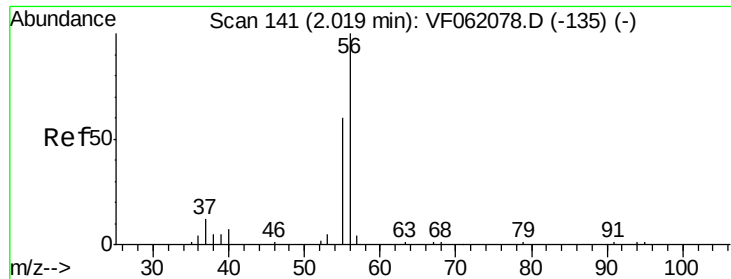
100

50

0

Time--> 2.50 2.55 2.60





#13

Acrolein

Concen: 1.173 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.05 min

Lab File: VF062139.D

Acq: 25 Mar 2019 18:47

Instrument :

MSVOA_F

ClientSampled :

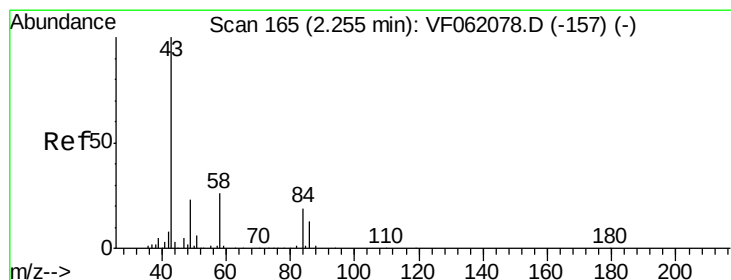
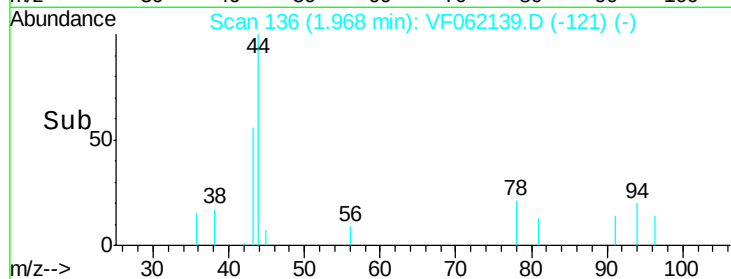
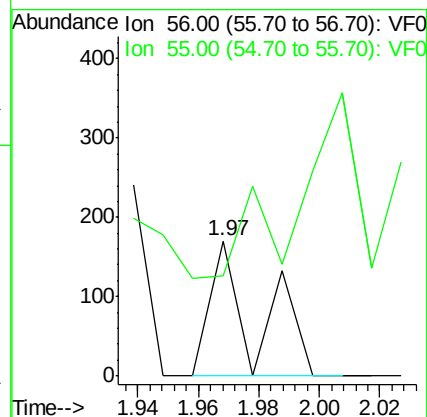
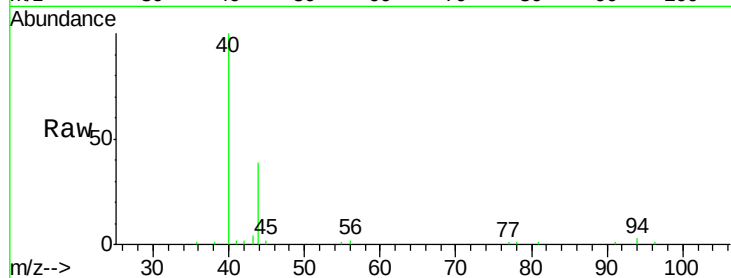
CS-12

Tot Ion: 56 Resp: 179

Ion Ratio Lower Upper

56 100

55 74.1 49.0 73.4#



#16

Acetone

Concen: 36.708 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062139.D

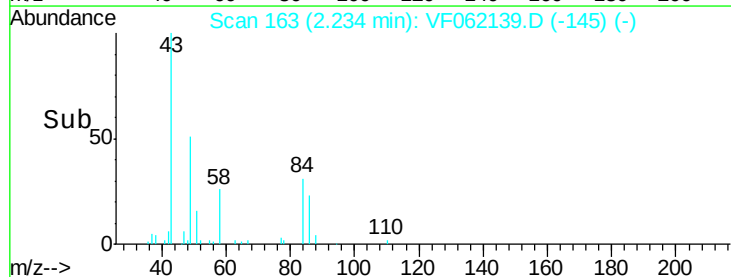
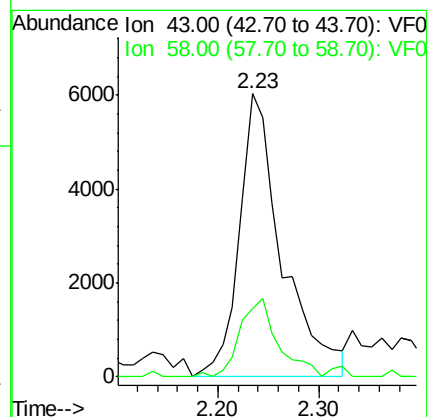
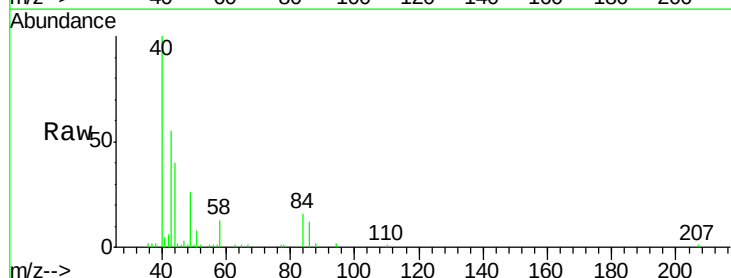
Acq: 25 Mar 2019 18:47

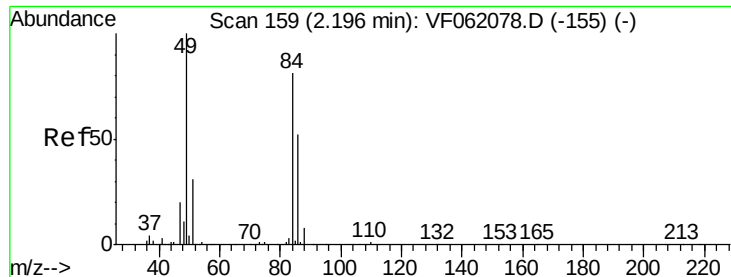
Tgt Ion: 43 Resp: 17814

Ion Ratio Lower Upper

43 100

58 24.0 20.8 31.2

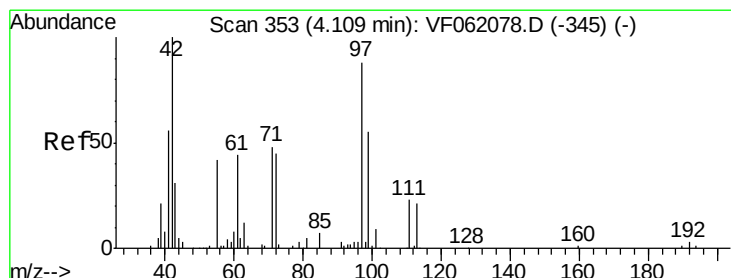
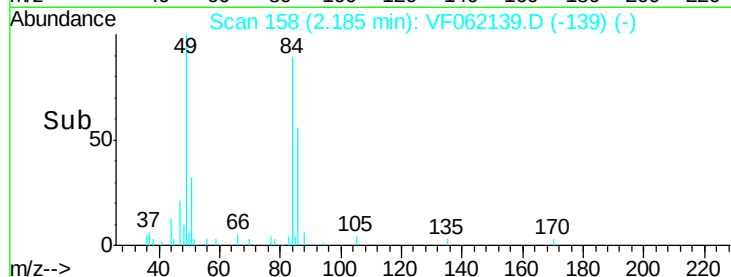
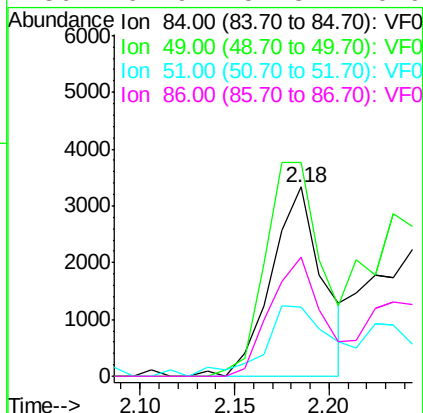
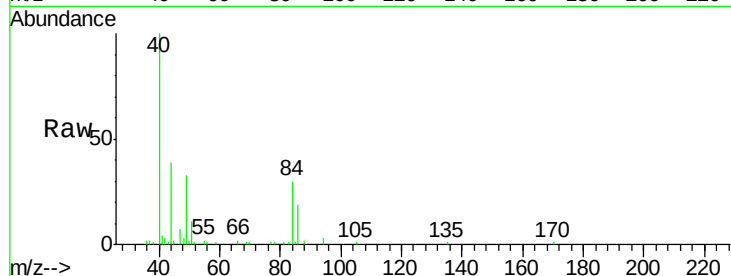




#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062139.D
Acq: 25 Mar 2019 18:47

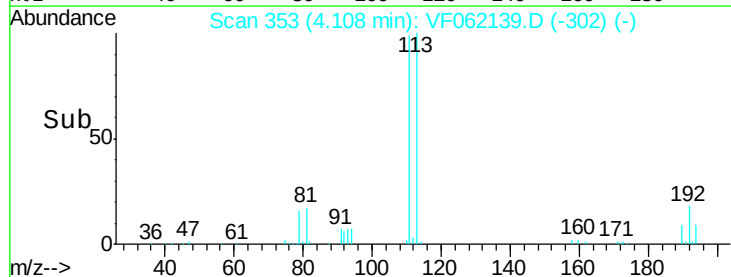
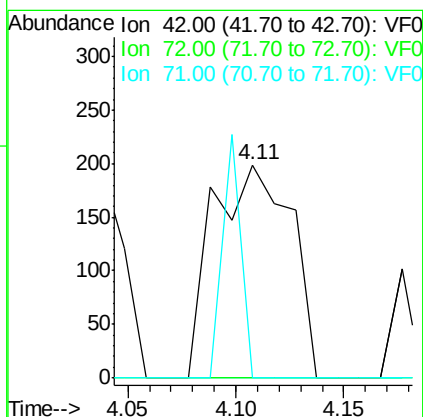
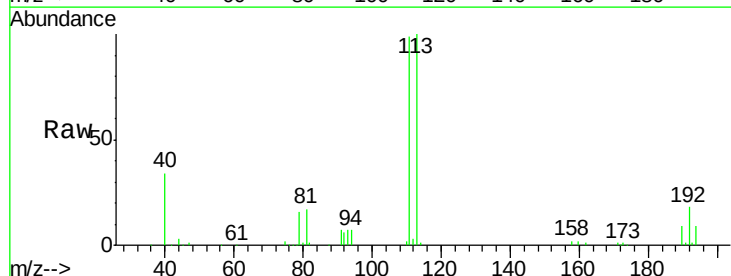
Instrument :
MSVOA_F
ClientSampleId :
CS-12

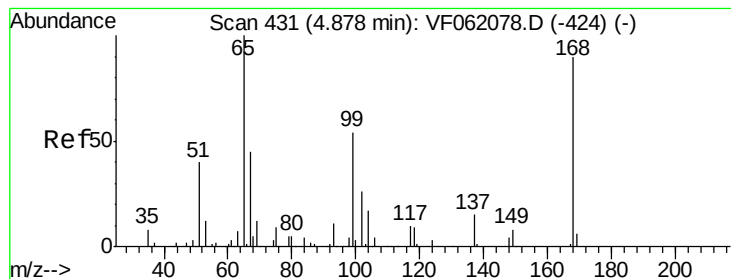
Tot Ion:	84	Resp:	6344
Ion	Ratio	Lower	Upper
84	100		
49	112.8	100.4	150.6
51	40.2	31.0	46.6
86	62.9	51.3	76.9



#29
Tetrahydrofuran
Concen: 1.133 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF062139.D
Acq: 25 Mar 2019 18:47

Tgt Ion:	42	Resp:	499
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.3	49.9#
71	26.9	35.0	52.4#





#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

Instrument :

MSVOA_F

ClientSampleId :

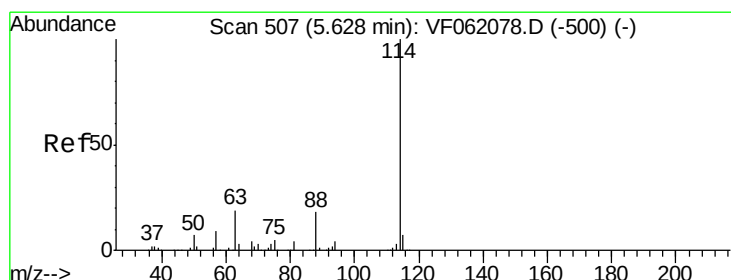
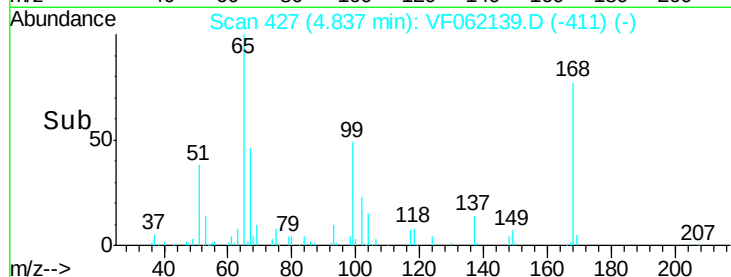
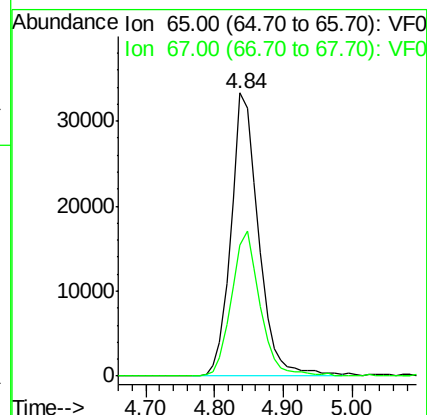
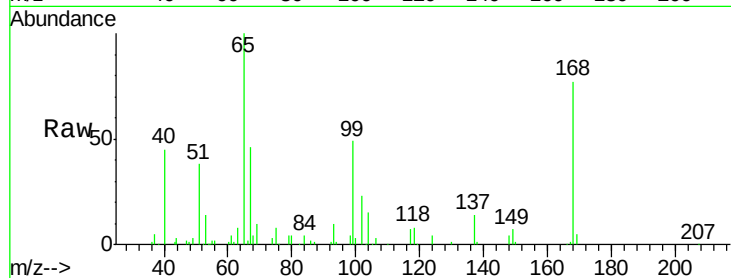
CS-12

Tot Ion: 65 Resp: 92715

Ion Ratio Lower Upper

65 100

67 46.2 0.0 106.2



#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

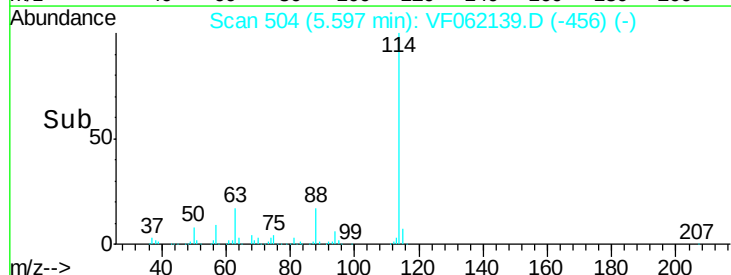
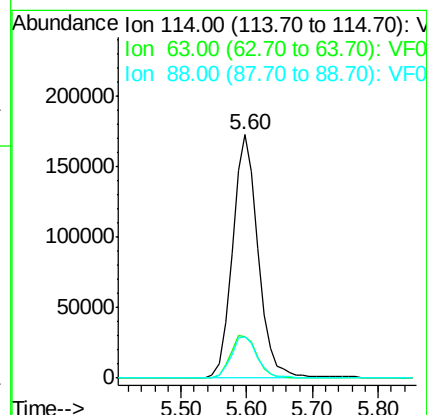
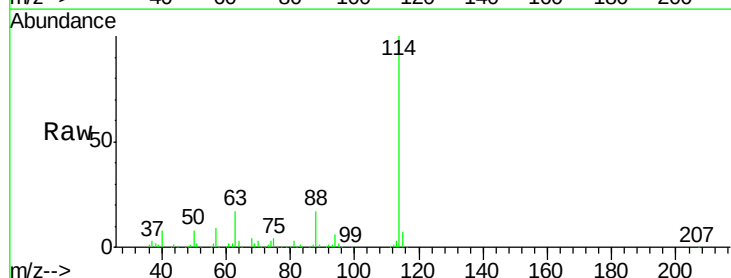
Tgt Ion: 114 Resp: 471762

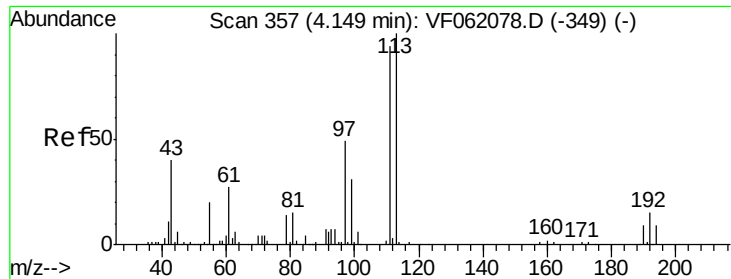
Ion Ratio Lower Upper

114 100

63 17.1 0.0 37.8

88 17.2 0.0 36.4





#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

Instrument :

MSVOA_F

ClientSampled :

CS-12

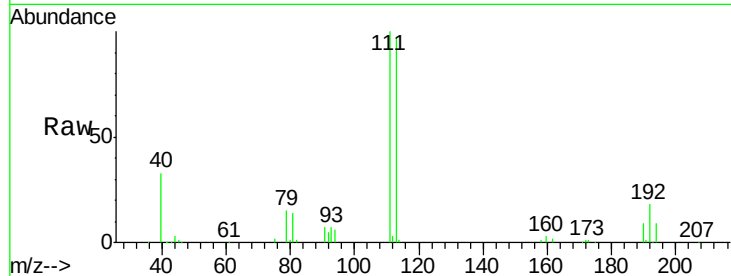
Tot Ion:113 Resp: 140903

Ion Ratio Lower Upper

113 100

111 102.9 75.4 113.0

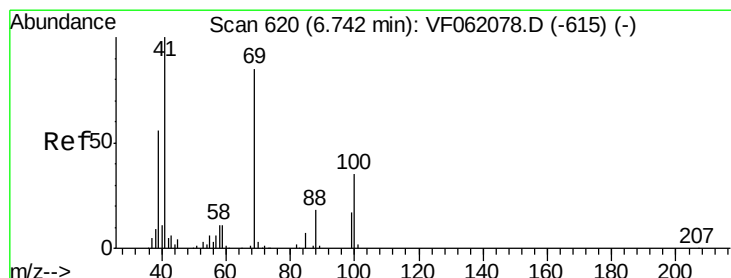
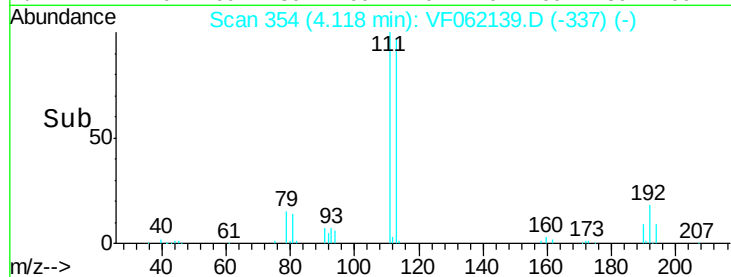
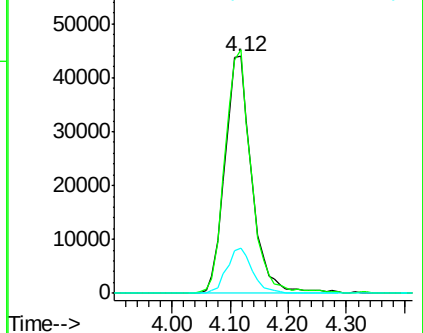
192 19.0 12.3 18.5#



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



#49

1,4-Dioxane

Concen: 6.649 ug/l

RT: 6.45 min Scan# 591

Delta R.T. -0.29 min

Lab File: VF062139.D

Acq: 25 Mar 2019 18:47

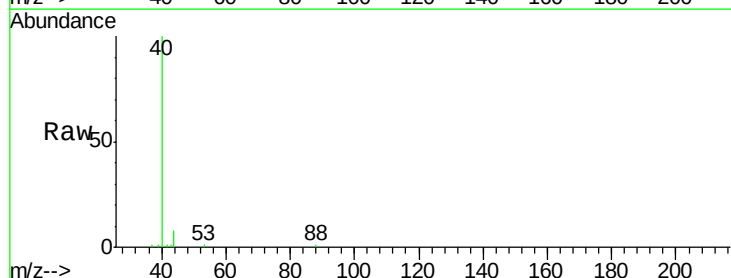
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 106.7 35.0 52.4#

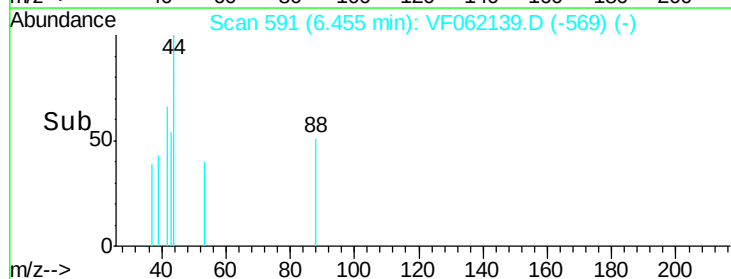
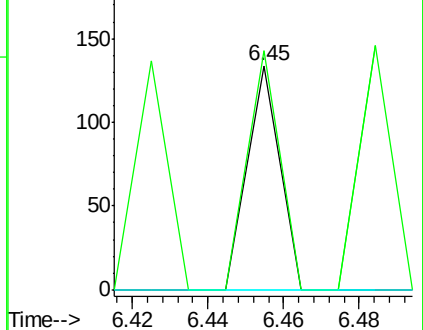
58 0.0 49.9 74.9#

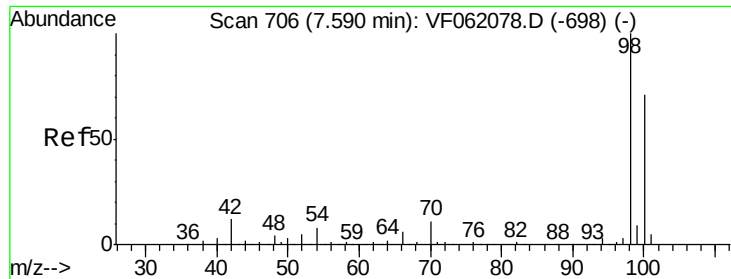


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#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 :

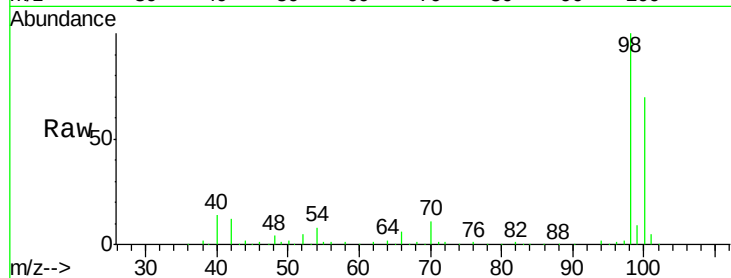
CS-12

Tot Ion: 98 Resp: 318464

Ion Ratio Lower Upper

98 100

100 70.2 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.55

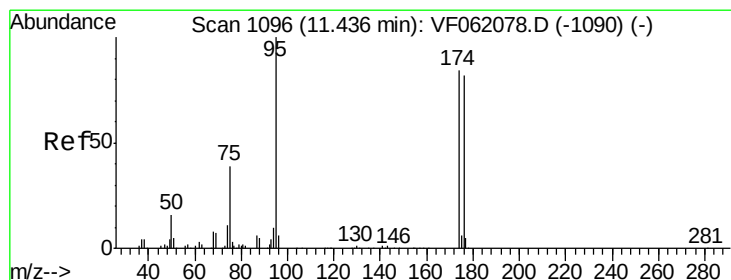
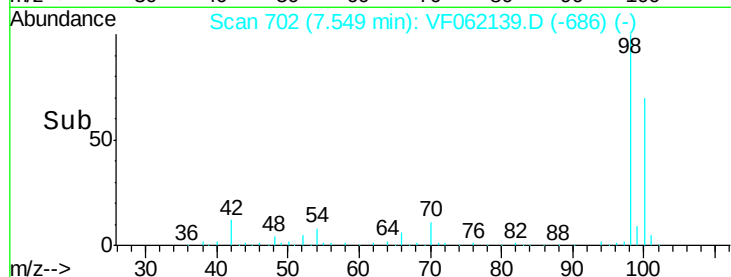
150000

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

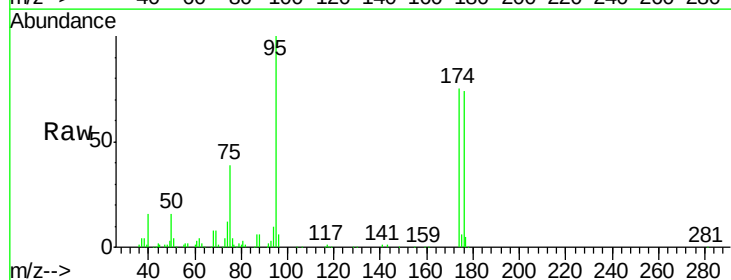
Tgt Ion: 95 Resp: 113382

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

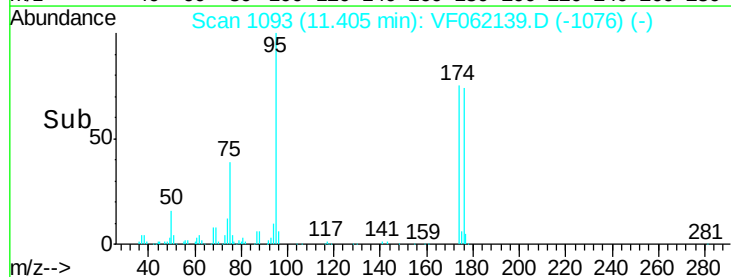
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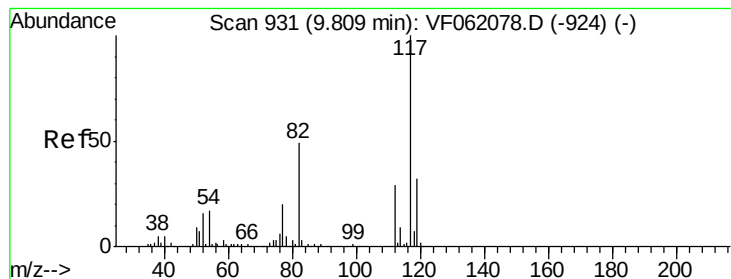
40000

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

ClientSampled :

CS-12

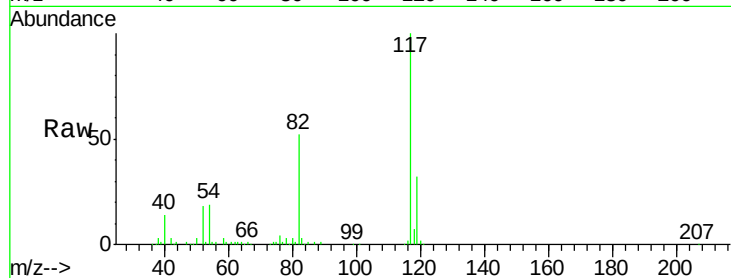
Tot Ion:117 Resp: 363104

Ion Ratio Lower Upper

117 100

82 52.2 39.2 58.8

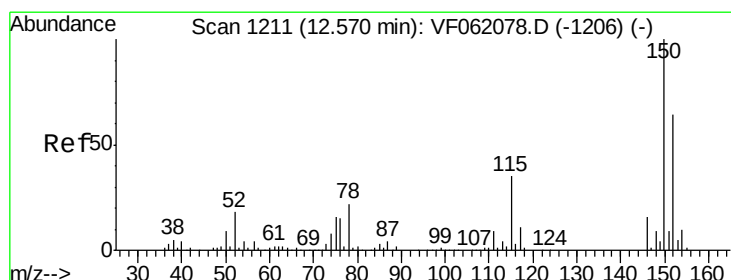
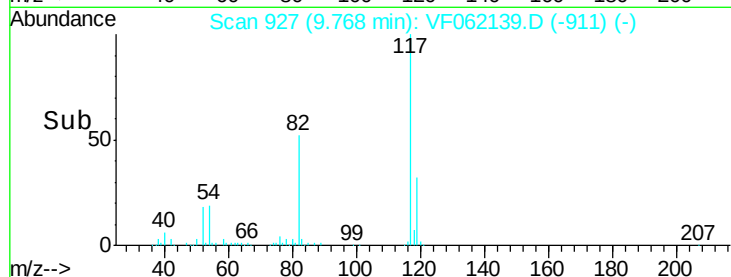
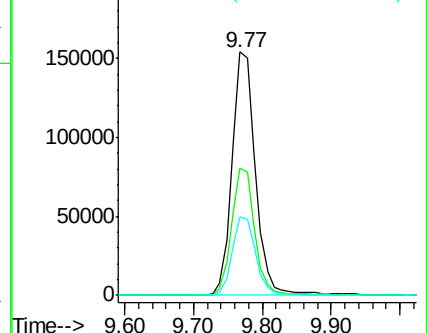
119 32.4 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#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

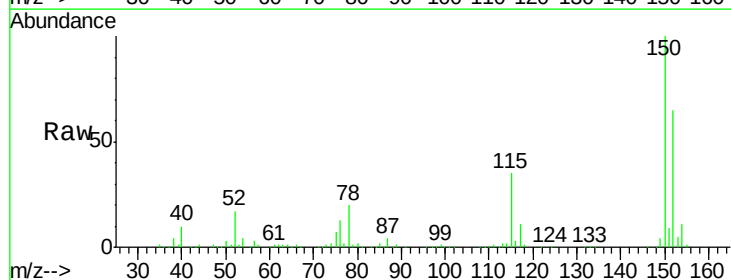
Tgt Ion:152 Resp: 153104

Ion Ratio Lower Upper

152 100

115 53.6 27.7 83.1

150 154.4 0.0 313.2



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

