

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
 Data File : VF061217.D
 Acq On : 27 Dec 2018 19:33
 Operator : VA/AP
 Sample : J6498-05
 Misc : 6.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-1218-S-AB-6

Quant Time: Dec 27 23:50:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	192280	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	361774	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	294453	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	144211	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	118599	47.96	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.92%	
35) Dibromofluoromethane	4.09	113	135628	46.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.60%	
50) Toluene-d8	7.53	98	302738	36.86	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	73.72%	
62) 4-Bromofluorobenzene	11.40	95	134086	35.42	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	70.84%	

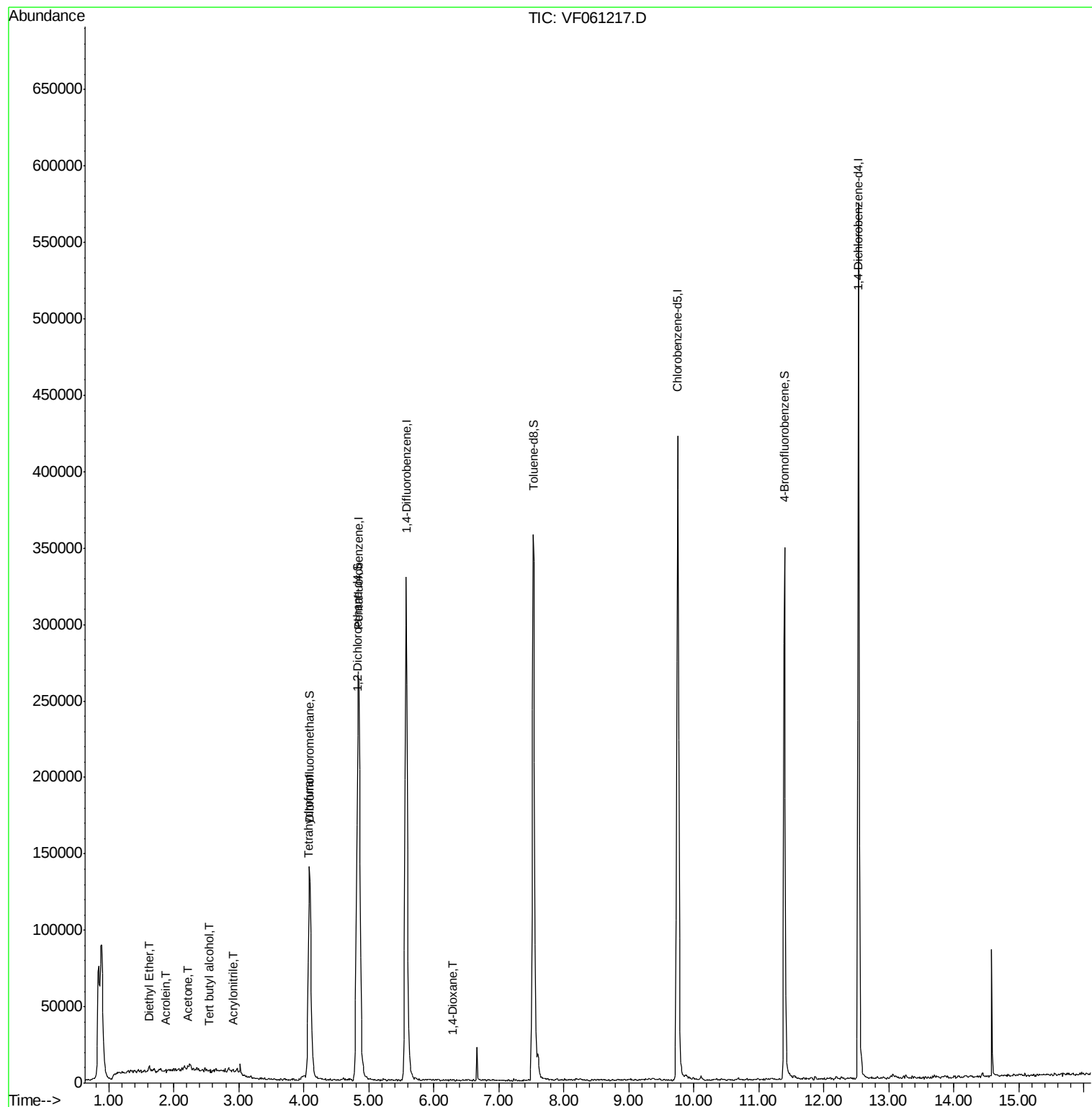
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	1084	1.825	ug/l	88
11) Tert butyl alcohol	2.54	59	384	3.848	ug/l #	1
13) Acrolein	1.88	56	695	9.638	ug/l	93
15) Acrylonitrile	2.92	53	395	1.712	ug/l #	61
16) Acetone	2.22	43	1200	2.427	ug/l #	66
20) Methylene Chloride	2.23	84	2652	Below Cal	#	45
29) Tetrahydrofuran	4.07	42	413	1.266	ug/l #	37
37) Ethyl Acetate	4.08	43	134	Below Cal	#	77
49) 1,4-Dioxane	6.28	88	60	5.618	ug/l #	13
78) n-propylbenzene	11.58	91	607	Below Cal	#	55
87) 1,3-Dichlorobenzene	12.46	146	78	Below Cal	#	1

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061217.D

Acq: 27 Dec 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

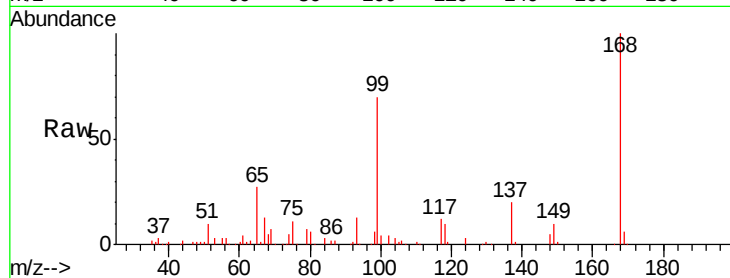
SSSI-1218-S-AB-6

Tgt Ion:168 Resp: 192280

Ion Ratio Lower Upper

168 100

99 70.3 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

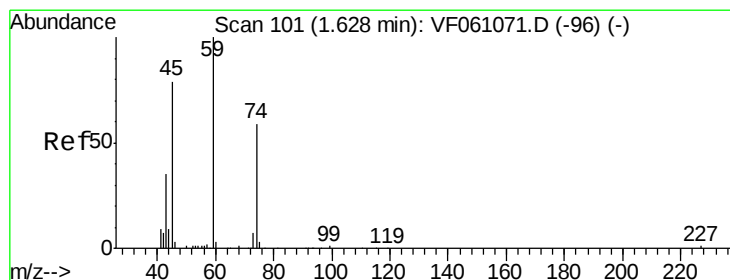
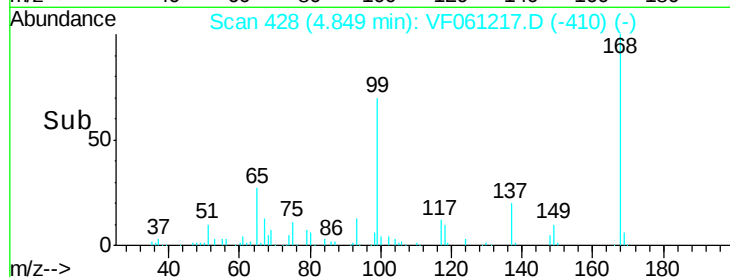
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.825 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061217.D

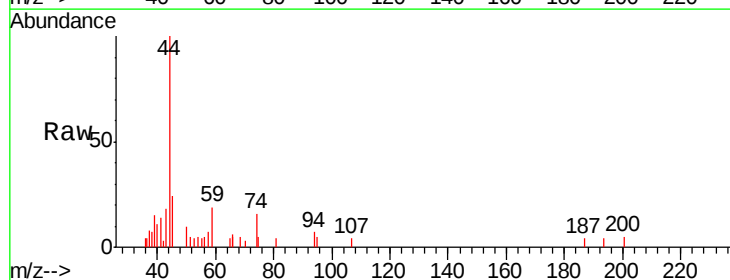
Acq: 27 Dec 2018 19:33

Tgt Ion: 74 Resp: 1084

Ion Ratio Lower Upper

74 100

45 149.5 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

800

600

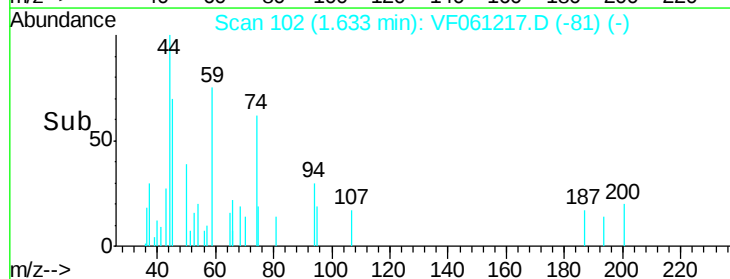
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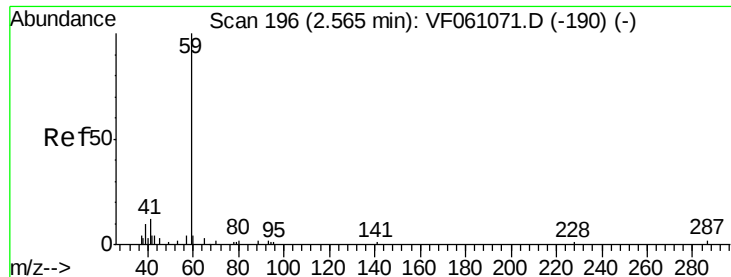
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0

Time-->

1.55 1.60 1.65 1.70

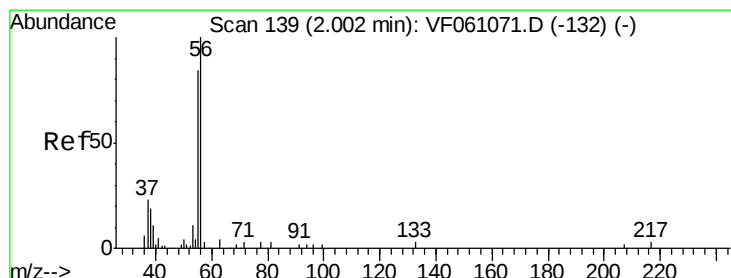
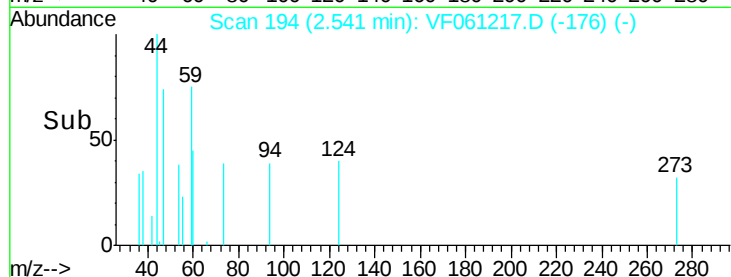
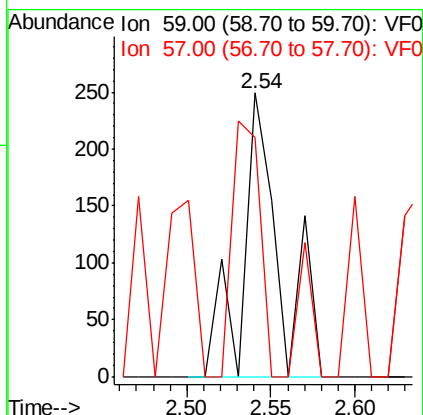
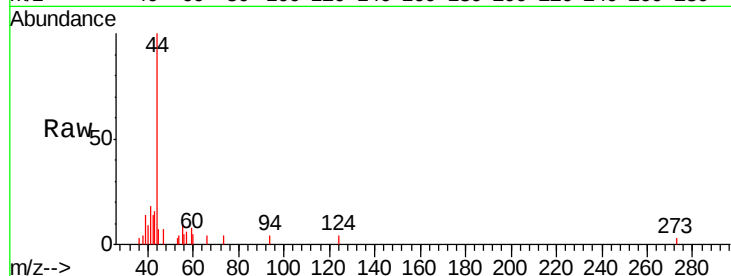




#11
Tert butyl alcohol
Concen: 3.848 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

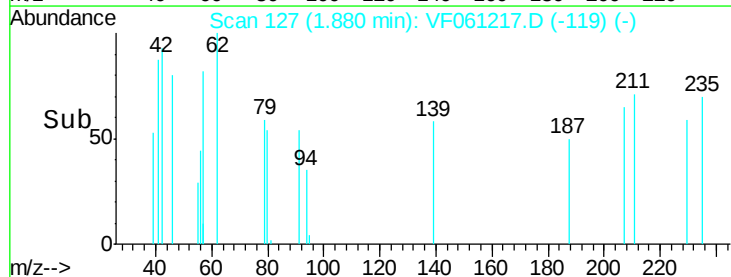
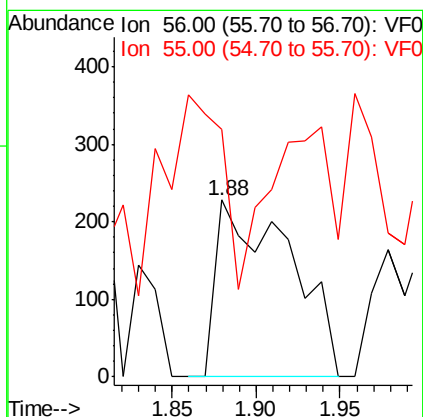
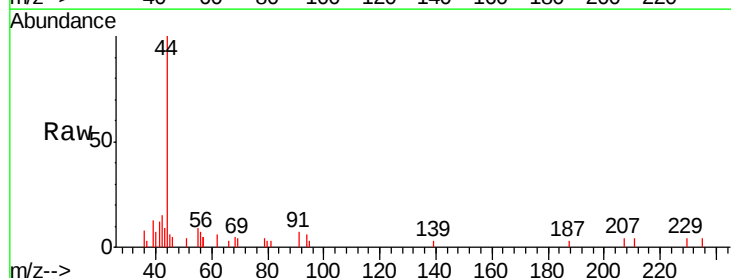
Instrument :
MSVOA_F
ClientSampleId :
SSSI-1218-S-AB-6

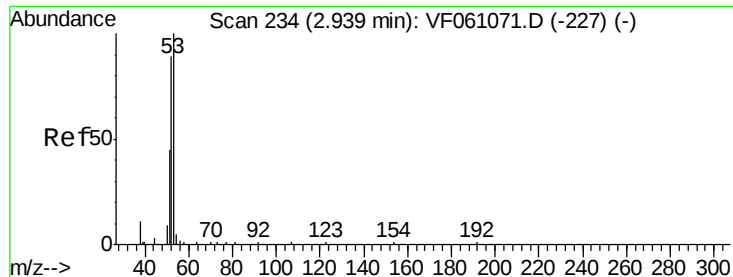
Tgt Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 84.3 11.5 17.3#



#13
Acrolein
Concen: 9.638 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.12 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

Tgt Ion: 56 Resp: 695
Ion Ratio Lower Upper
56 100
55 81.2 70.2 105.2

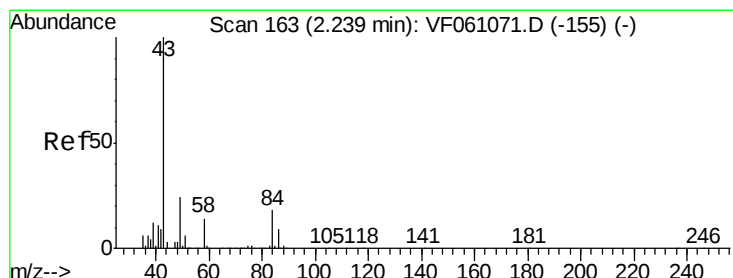
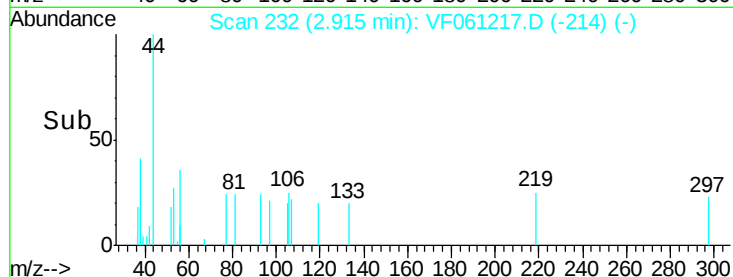
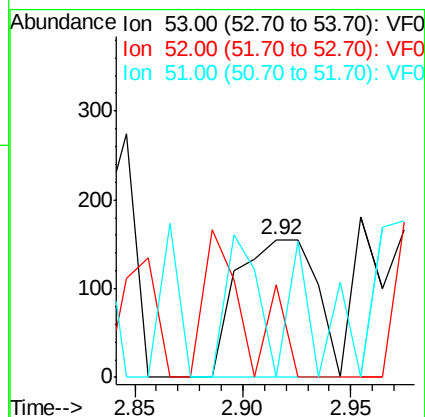
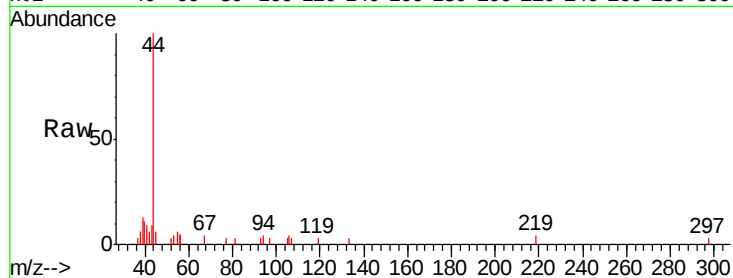




#15
Acrylonitrile
Concen: 1.712 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.02 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

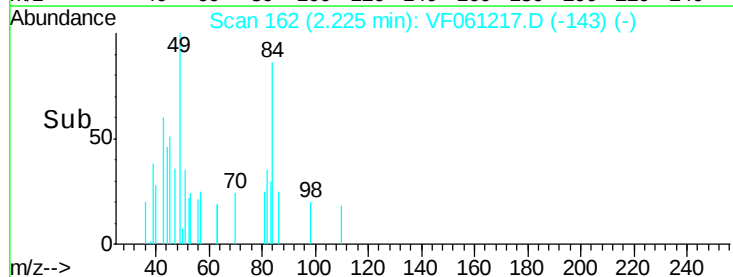
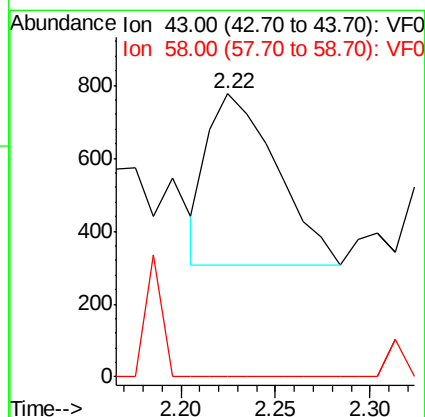
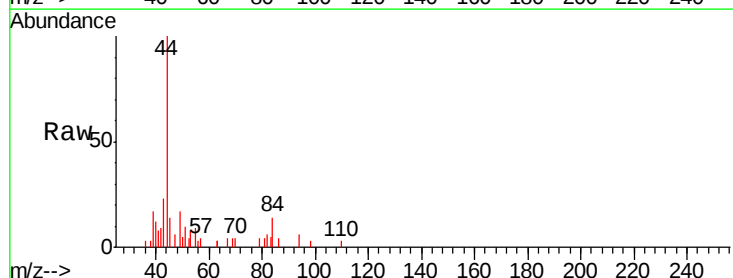
Instrument :
MSVOA_F
ClientSampleId :
SSSI-1218-S-AB-6

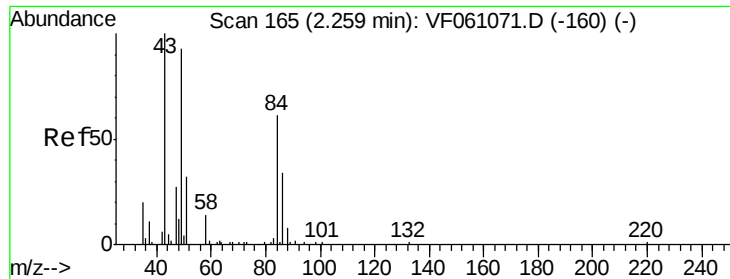
Tgt Ion: 53 Resp: 395
Ion Ratio Lower Upper
53 100
52 67.7 71.3 106.9#
51 0.0 36.8 55.2#



#16
Acetone
Concen: 2.427 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

Tgt Ion: 43 Resp: 1200
Ion Ratio Lower Upper
43 100
58 0.0 11.1 16.7#

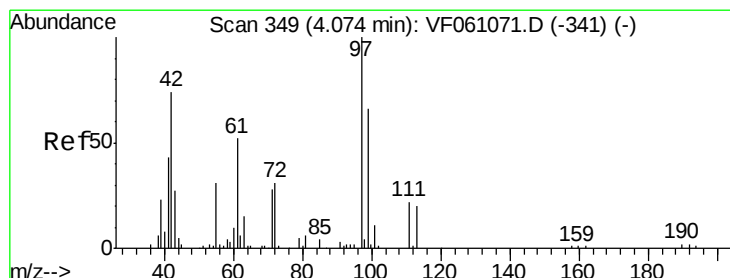
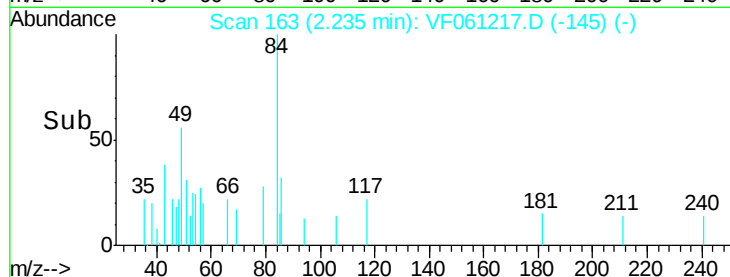
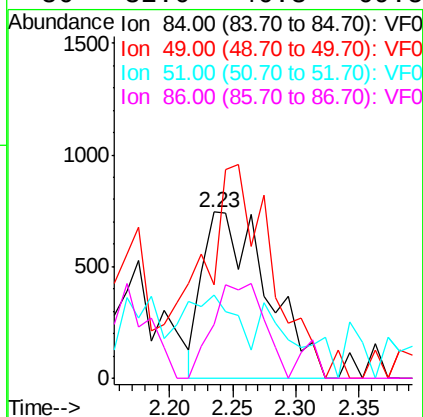
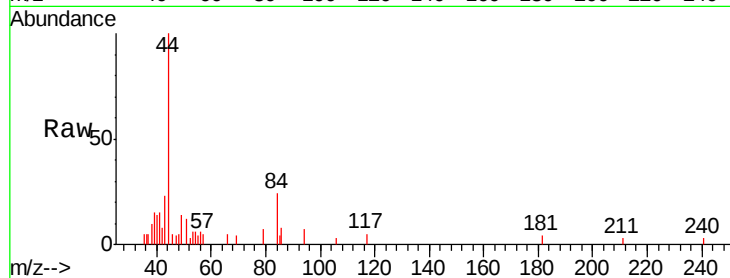




#20
Methylene Chloride
Concen: Below Cal
RT: 2.23 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

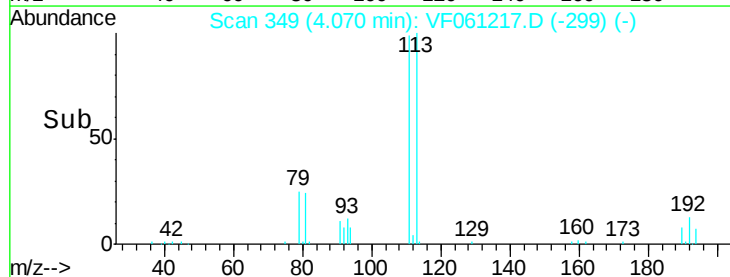
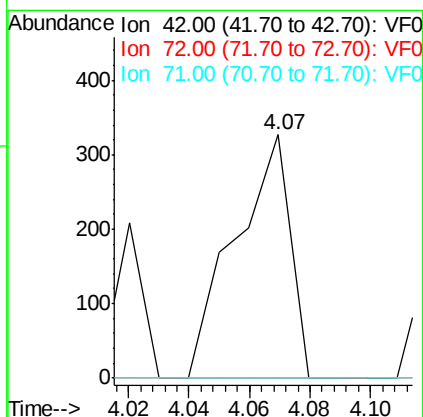
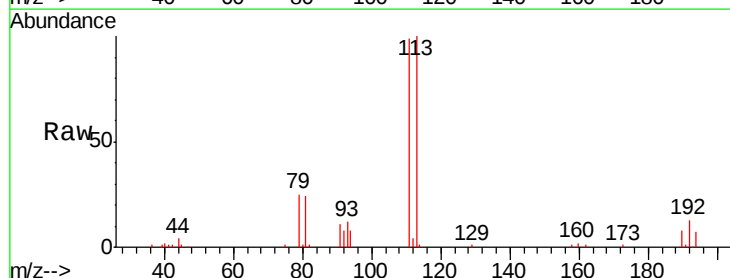
Instrument :
MSVOA_F
ClientSampleId :
SSSI-1218-S-AB-6

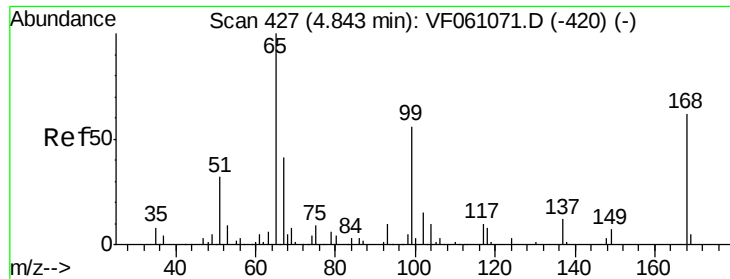
Tgt Ion: 84 Resp: 2652
Ion Ratio Lower Upper
84 100
49 56.1 129.4 194.2#
51 50.5 44.0 66.0
86 32.0 46.3 69.5#



#29
Tetrahydrofuran
Concen: 1.266 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

Tgt Ion: 42 Resp: 413
Ion Ratio Lower Upper
42 100
72 0.0 31.8 47.8#
71 0.0 29.7 44.5#





#33

1,2-Dichloroethane-d4

Concen: 47.957 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061217.D

Acq: 27 Dec 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

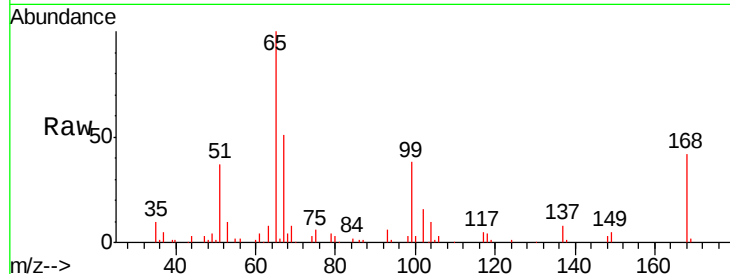
SSSI-1218-S-AB-6

Tgt Ion: 65 Resp: 118599

Ion Ratio Lower Upper

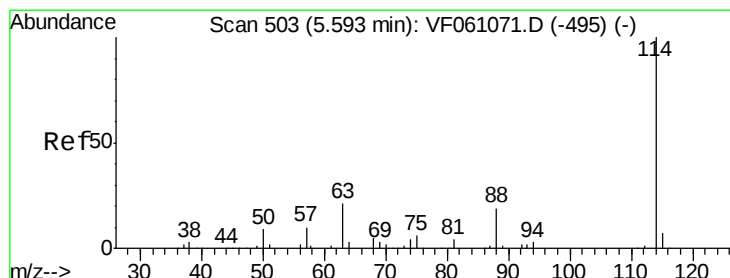
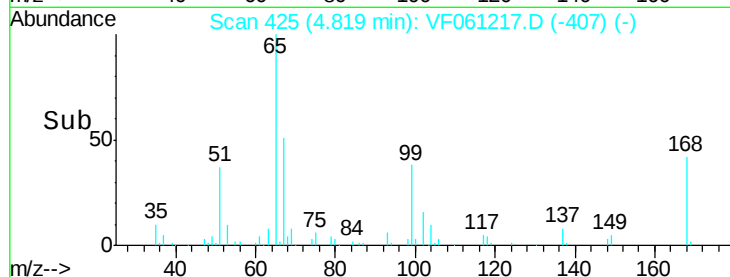
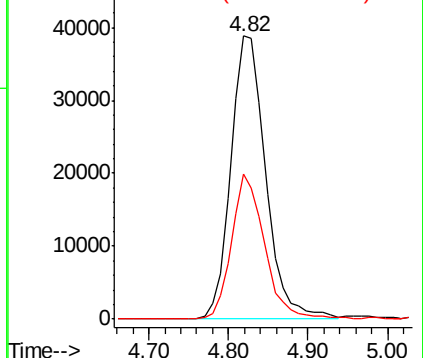
65 100

67 51.4 0.0 94.6



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: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061217.D

Acq: 27 Dec 2018 19:33

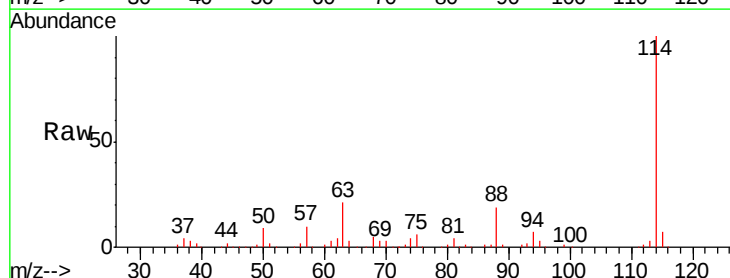
Tgt Ion: 114 Resp: 361774

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

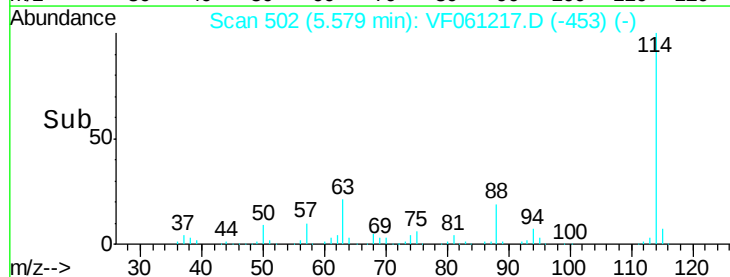
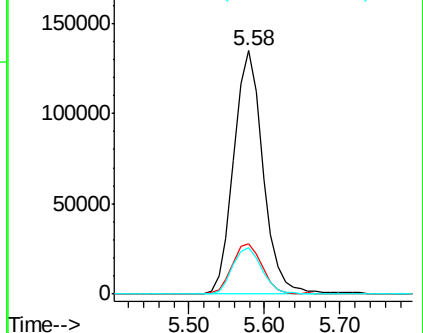
88 19.2 0.0 38.0

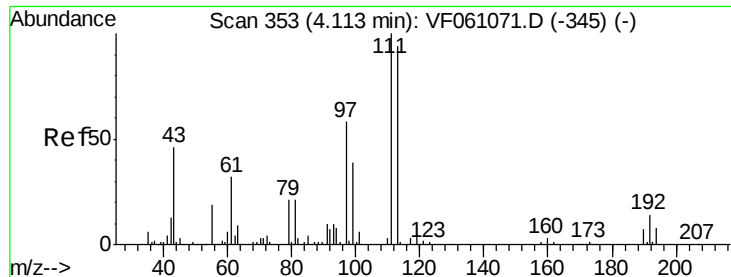


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

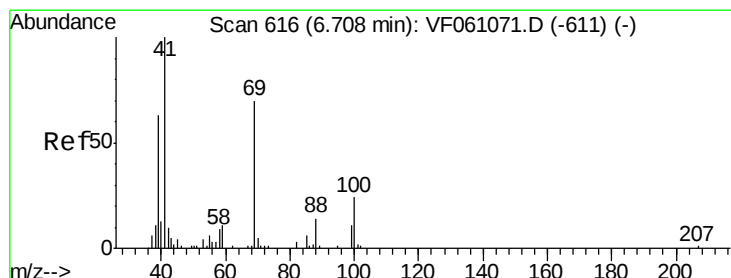
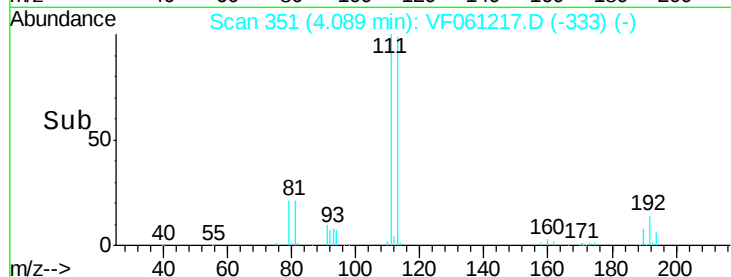
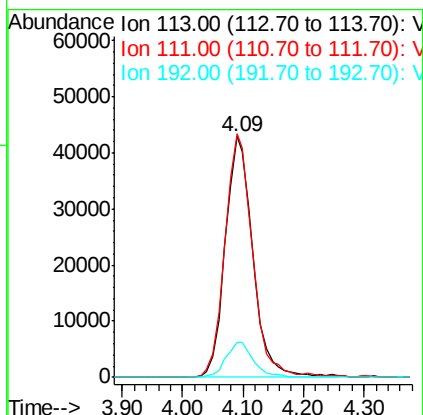
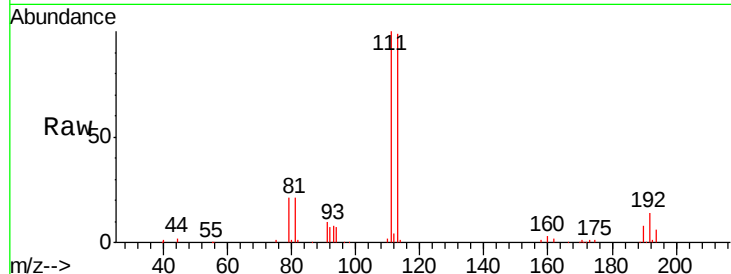




#35
 Dibromofluoromethane
 Concen: 46.800 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061217.D
 Acq: 27 Dec 2018 19:33

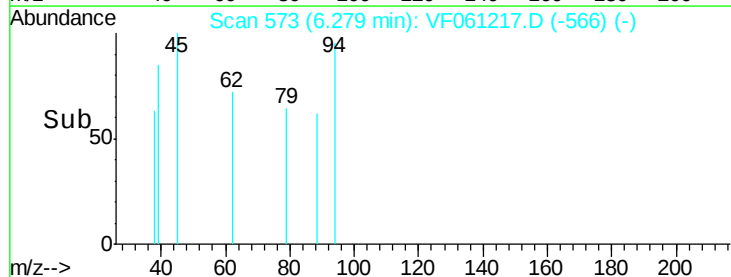
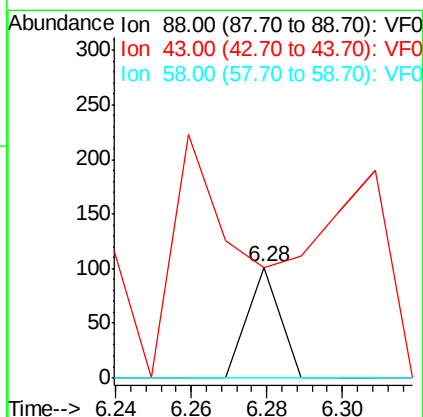
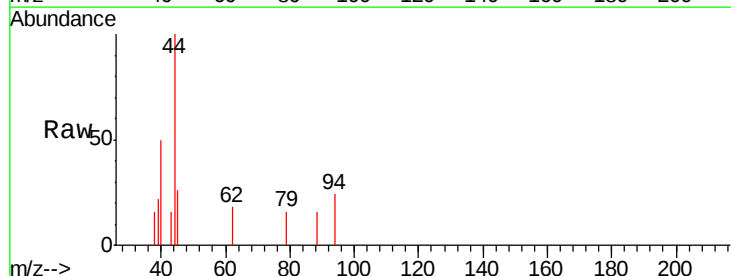
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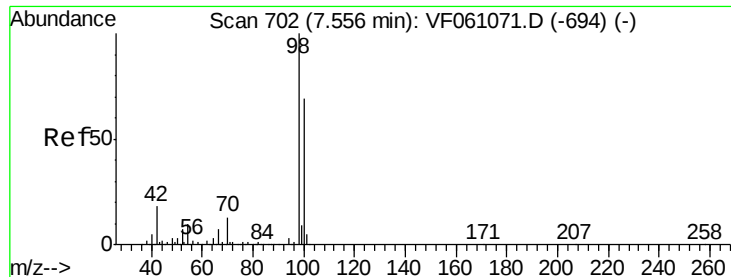
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	85.2	127.8
192	15.0	12.8	19.2



#49
 1,4-Dioxane
 Concen: 5.618 ug/l
 RT: 6.28 min Scan# 573
 Delta R.T. -0.43 min
 Lab File: VF061217.D
 Acq: 27 Dec 2018 19:33

Tgt Ion	Ratio	Lower	Upper
88	100		
43	100.0	33.3	49.9#
58	0.0	53.2	79.8#





#50

Toluene-d8

Concen: 36.863 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061217.D

Acq: 27 Dec 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

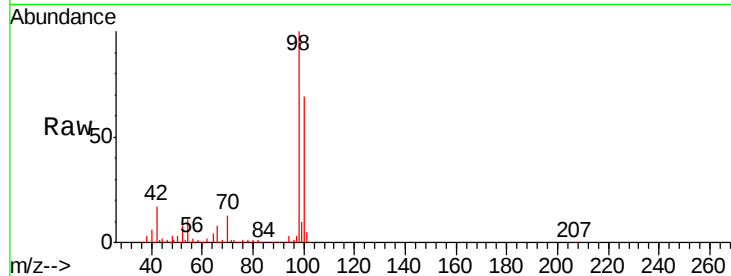
SSSI-1218-S-AB-6

Tgt Ion: 98 Resp: 302738

Ion Ratio Lower Upper

98 100

100 68.6 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

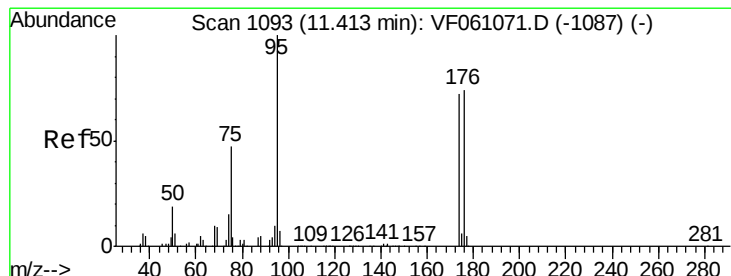
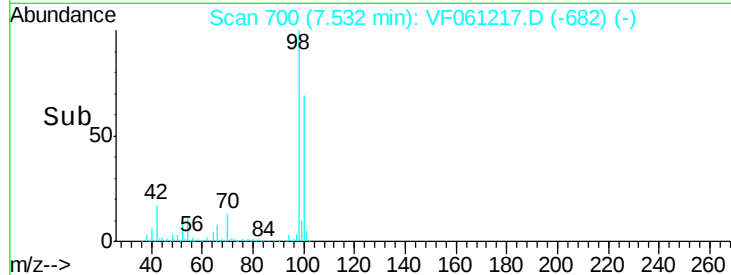
7.53

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 35.415 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061217.D

Acq: 27 Dec 2018 19:33

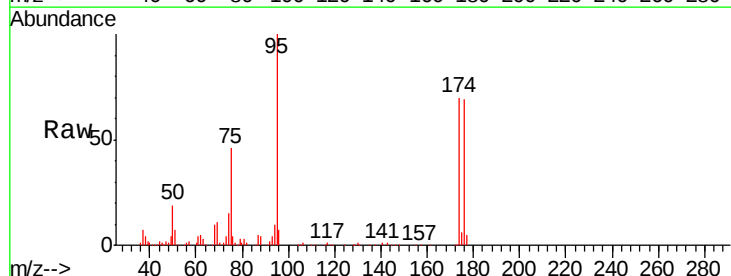
Tgt Ion: 95 Resp: 134086

Ion Ratio Lower Upper

95 100

174 70.3 0.0 143.8

176 69.1 0.0 147.6



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

100000

80000

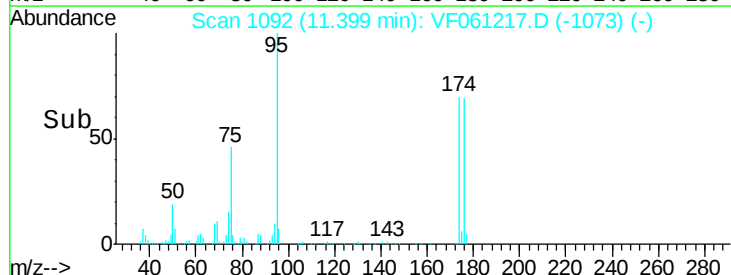
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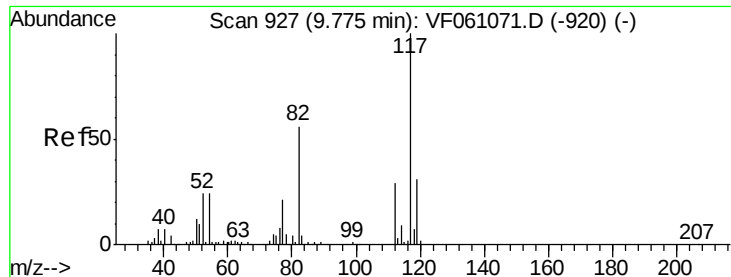
40000

20000

0

Time-->

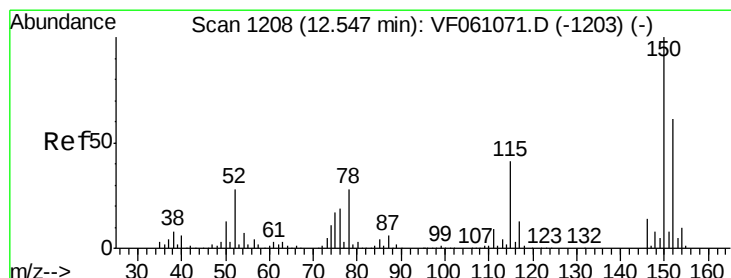
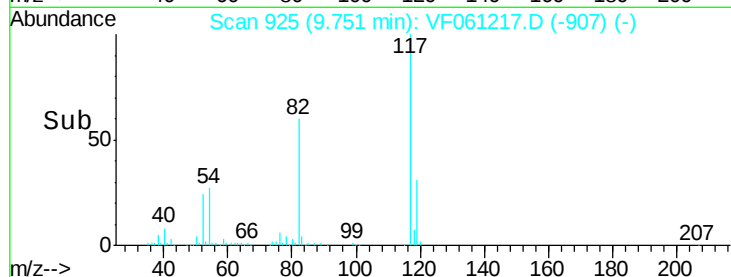
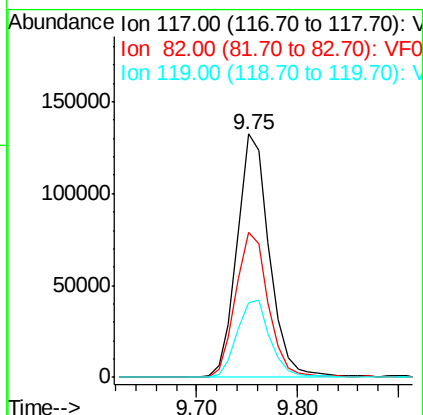
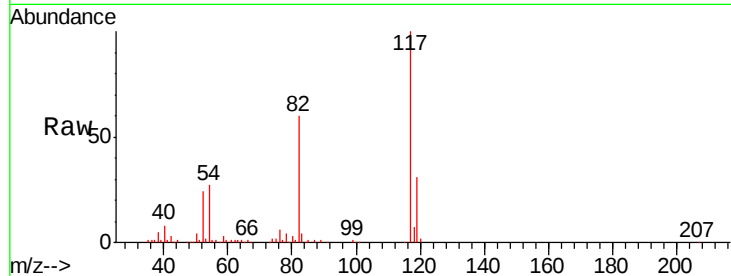




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

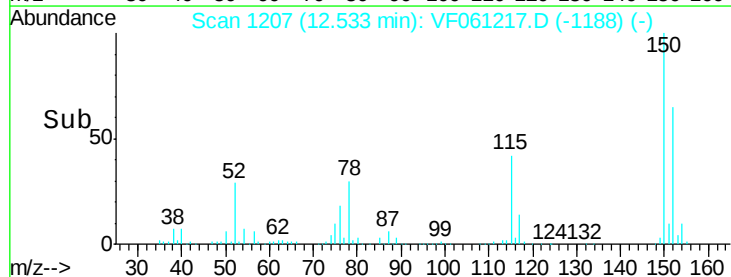
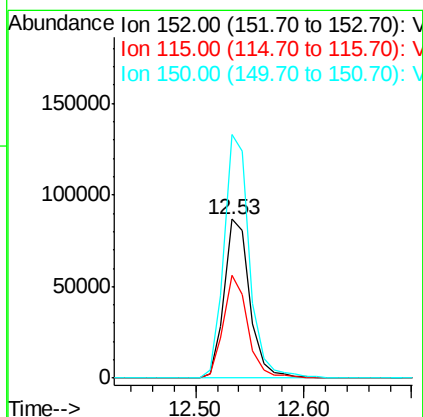
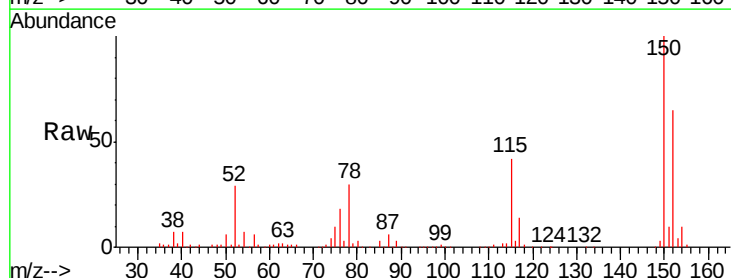
Instrument :
MSVOA_F
ClientSampleId :
SSSI-1218-S-AB-6

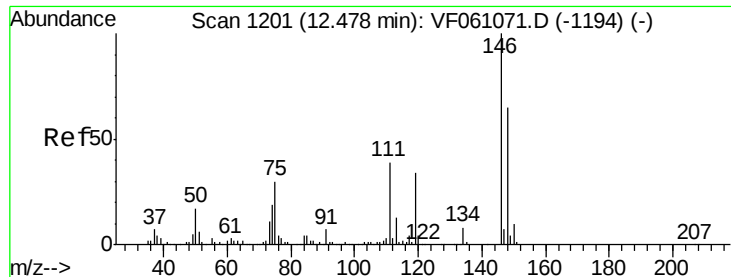
Tgt Ion:117 Resp: 294453
Ion Ratio Lower Upper
117 100
82 59.7 45.0 67.4
119 30.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

Tgt Ion:152 Resp: 144211
Ion Ratio Lower Upper
152 100
115 65.1 33.3 99.9
150 153.6 0.0 328.2





#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061217.D
 Acq: 27 Dec 2018 19:33

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-1218-S-AB-6

Tgt Ion:146 Resp: 78
 Ion Ratio Lower Upper
 146 100
 111 116.7 19.3 57.9#
 148 0.0 32.4 97.2#

