

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060013.D
 Acq On : 20 Aug 2018 20:19
 Operator : VA/AP
 Sample : J4499-10
 Misc : 5.06g/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LSB-08(0-1)

Quant Time: Aug 21 04:28:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	115785	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	155338	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	162818	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	104444	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	113659	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
35) Dibromofluoromethane	4.30	113	89197	56.18	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.36%	
50) Toluene-d8	7.72	98	179678	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.51	95	108897	50.26	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.52%	

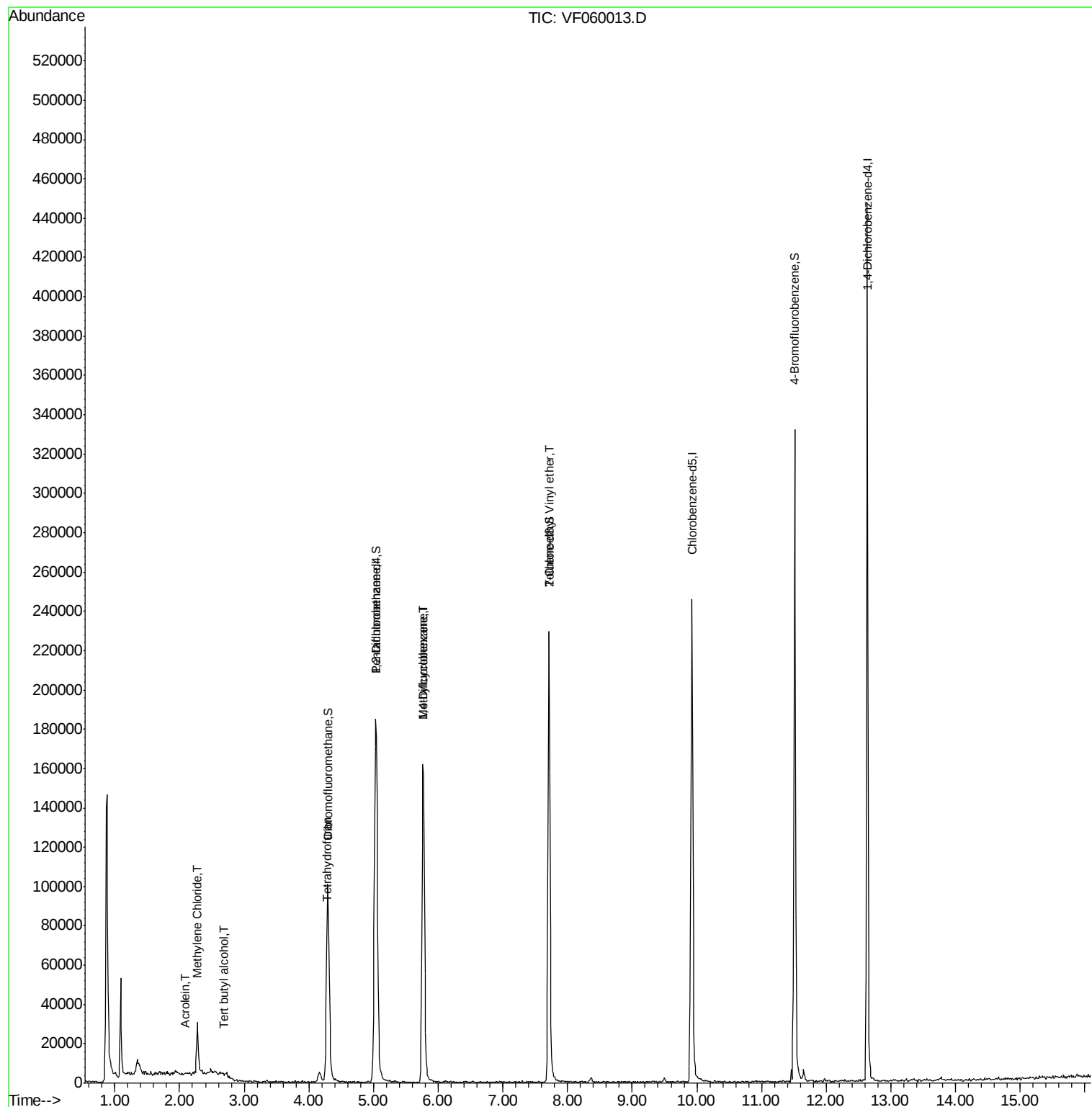
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	1489	Below Cal	#	74
11) Tert butyl alcohol	2.68	59	253	1.94	ug/l	# 1
13) Acrolein	2.09	56	167	14.96	ug/l	99
16) Acetone	2.33	43	1444	Below Cal		97
18) Methyl Acetate	2.48	43	1399	Below Cal	#	63
20) Methylene Chloride	2.27	84	10772	5.04	ug/l	98
29) Tetrahydrofuran	4.27	42	217	1.13	ug/l	# 38
39) Methylcyclohexane	5.76	83	3213	2.42	ug/l	# 30
58) 2-Chloroethyl Vinyl ether	7.72	63	364	4.17	ug/l	100

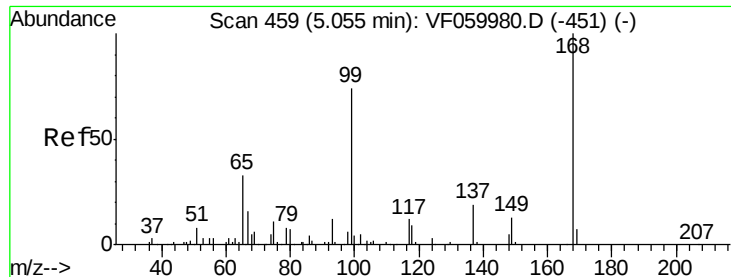
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
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LSB-08(0-1)

Quant Time: Aug 21 04:28:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060013.D

Acq: 20 Aug 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

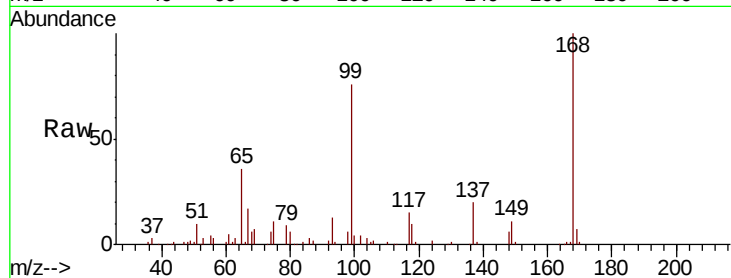
LSB-08(0-1)

Tot Ion:168 Resp: 115785

Ion Ratio Lower Upper

168 100

99 75.6 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

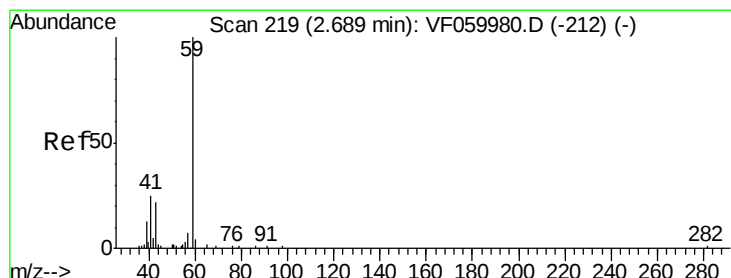
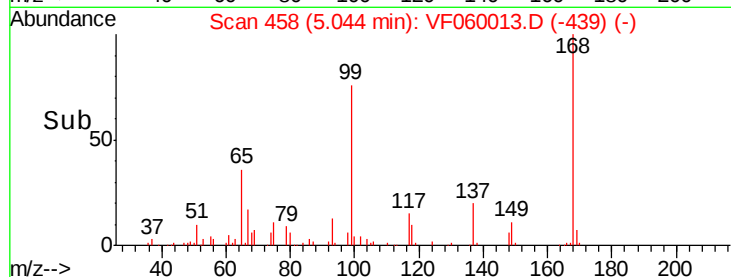
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 1.94 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF060013.D

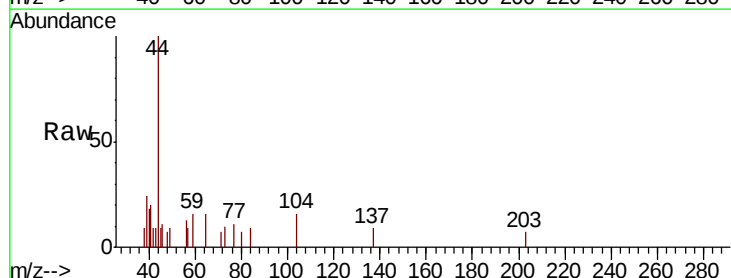
Acq: 20 Aug 2018 20:19

Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

59 100

57 57.9 6.8 10.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

250

200

150

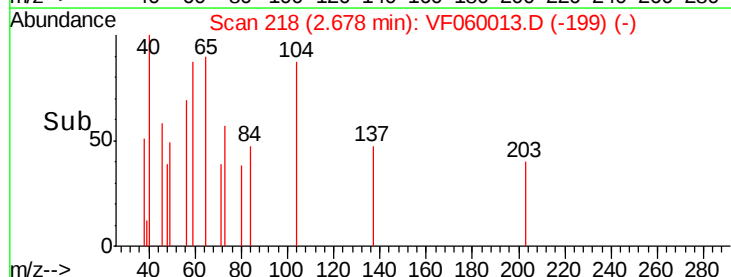
100

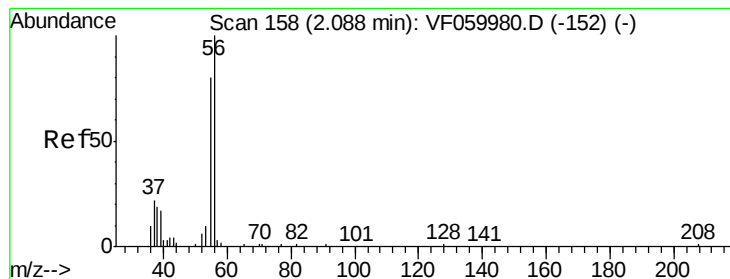
50

0

2.66 2.68 2.70 2.72

Time-->





#13

Acrolein

Concen: 14.96 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060013.D

Acq: 20 Aug 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

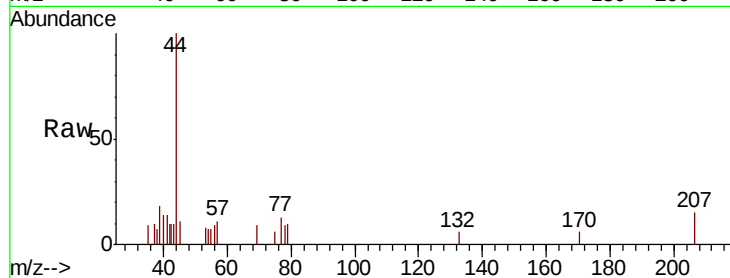
LSB-08(0-1)

Tot Ion: 56 Resp: 167

Ion Ratio Lower Upper

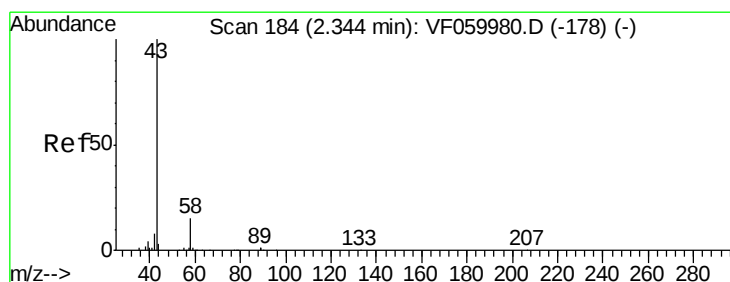
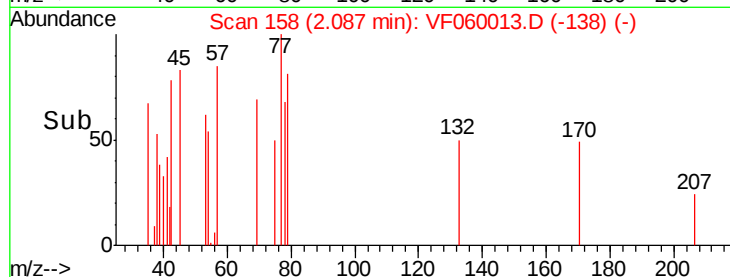
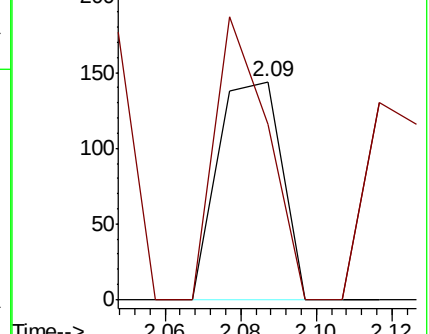
56 100

55 80.6 63.8 95.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060013.D

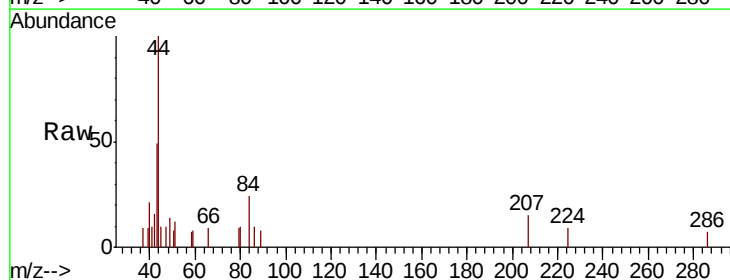
Acq: 20 Aug 2018 20:19

Tgt Ion: 43 Resp: 1444

Ion Ratio Lower Upper

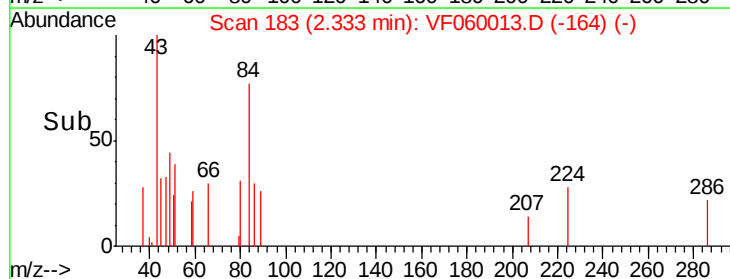
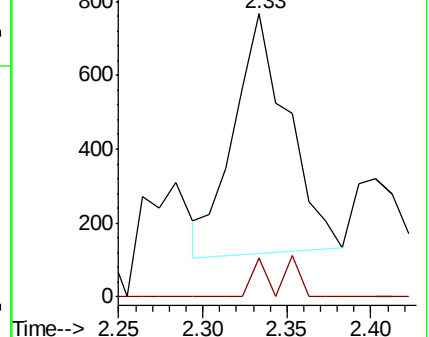
43 100

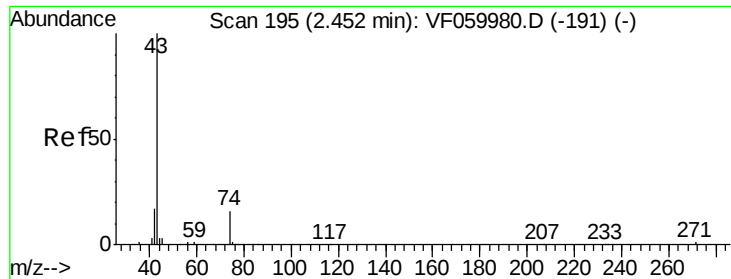
58 13.7 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

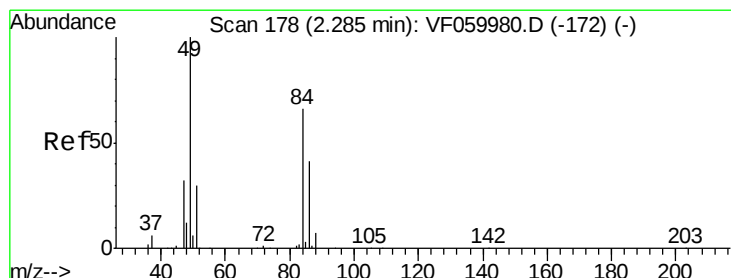
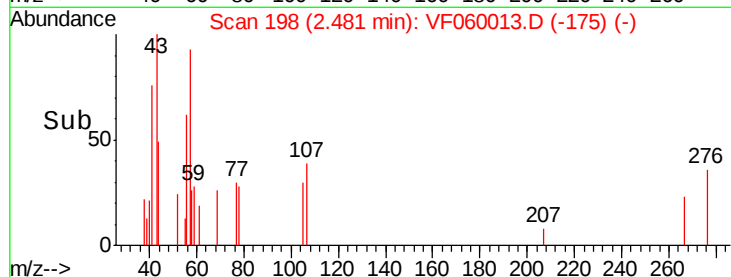
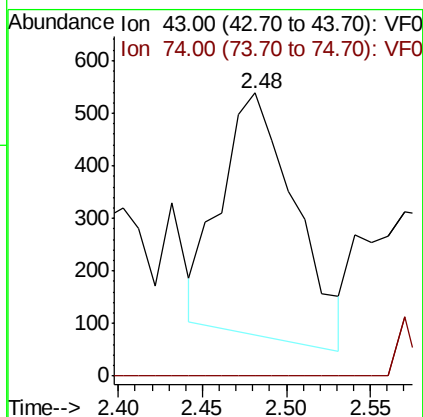
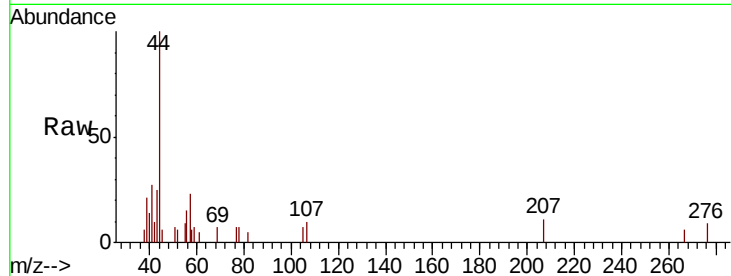




#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF060013.D
Acq: 20 Aug 2018 20:19

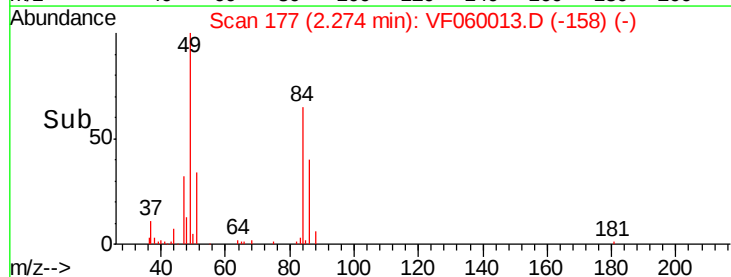
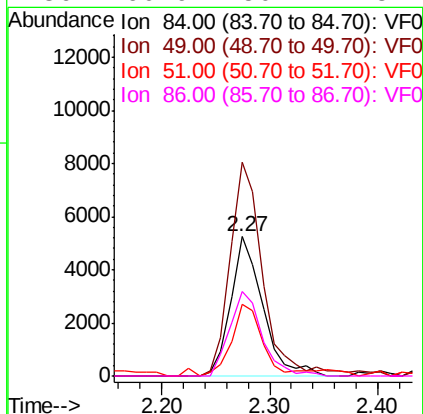
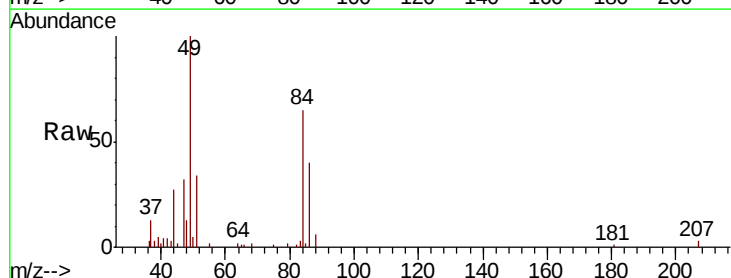
Instrument :
MSVOA_F
ClientSampled :
LSB-08(0-1)

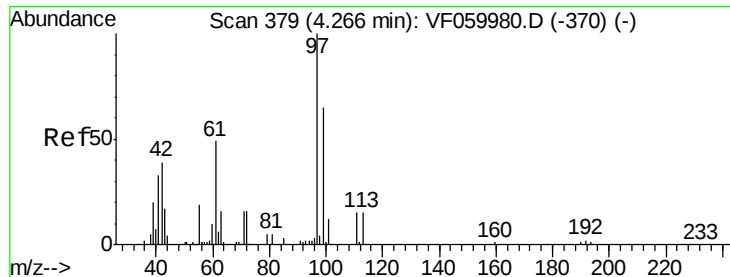
Tot Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
74 0.0 12.3 18.5#



#20
Methylene Chloride
Concen: 5.04 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF060013.D
Acq: 20 Aug 2018 20:19

Tgt Ion: 84 Resp: 10772
Ion Ratio Lower Upper
84 100
49 153.6 122.5 183.7
51 51.5 37.1 55.7
86 60.9 50.2 75.2





#29

Tetrahydrofuran

Concen: 1.13 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF060013.D

Acq: 20 Aug 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

LSB-08(0-1)

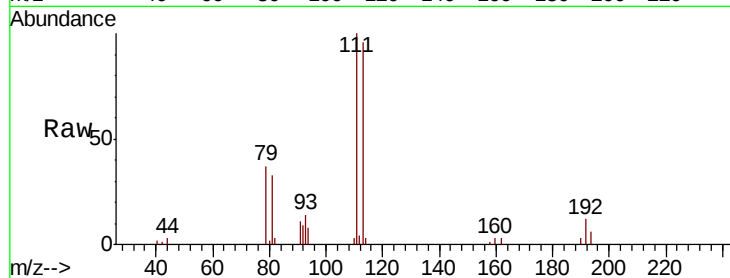
Tot Ion: 42 Resp: 217

Ion Ratio Lower Upper

42 100

72 0.0 29.8 44.6#

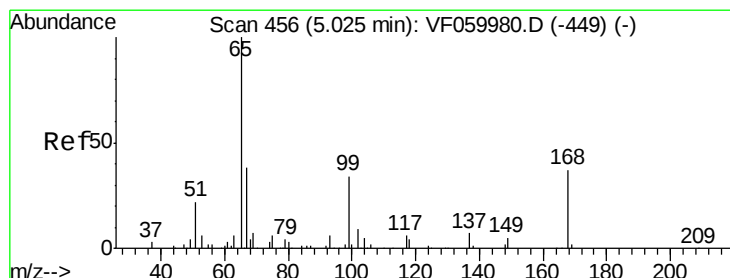
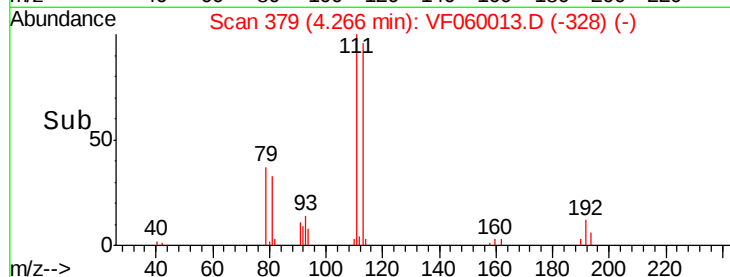
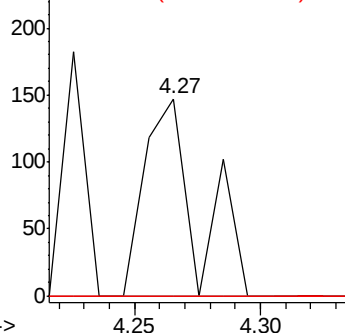
71 0.0 29.0 43.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 50.85 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF060013.D

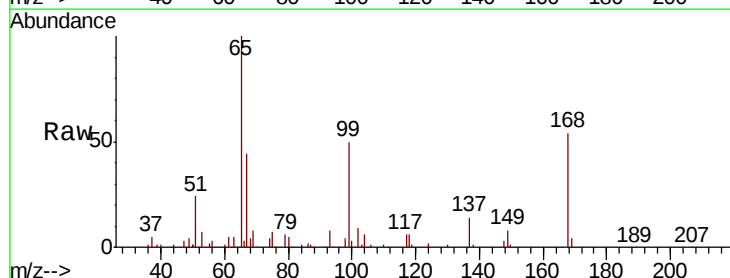
Acq: 20 Aug 2018 20:19

Tgt Ion: 65 Resp: 113659

Ion Ratio Lower Upper

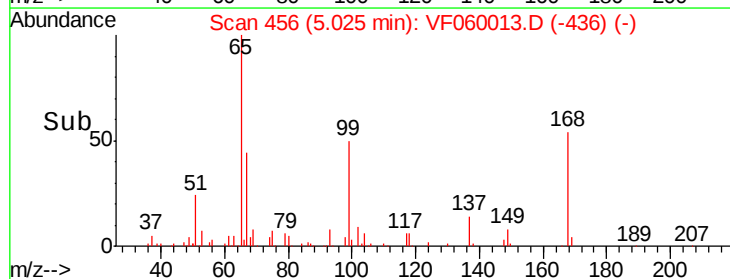
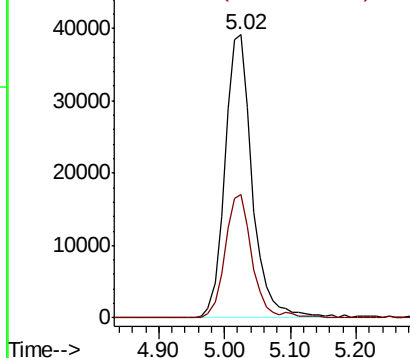
65 100

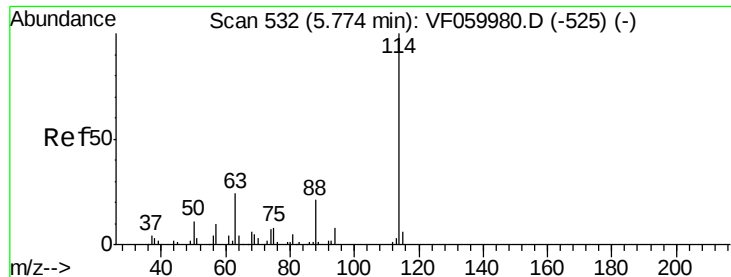
67 43.5 0.0 82.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF060013.D

Acq: 20 Aug 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

LSB-08(0-1)

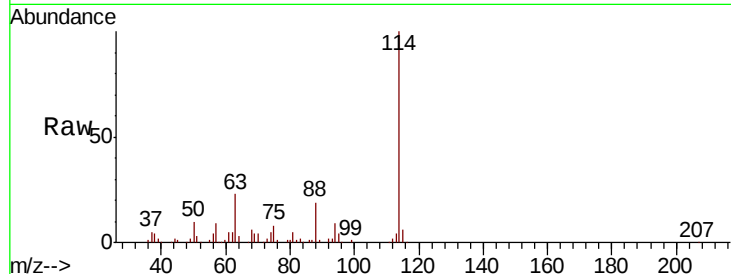
Tot Ion:114 Resp: 155338

Ion Ratio Lower Upper

114 100

63 22.6 0.0 48.6

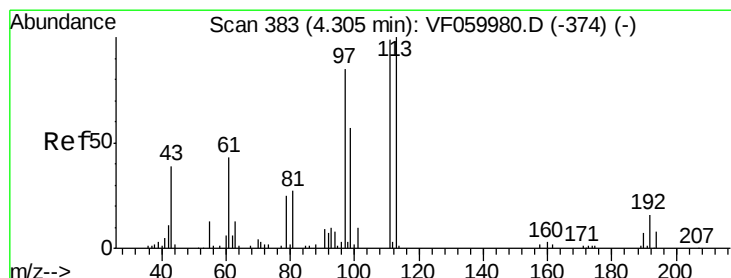
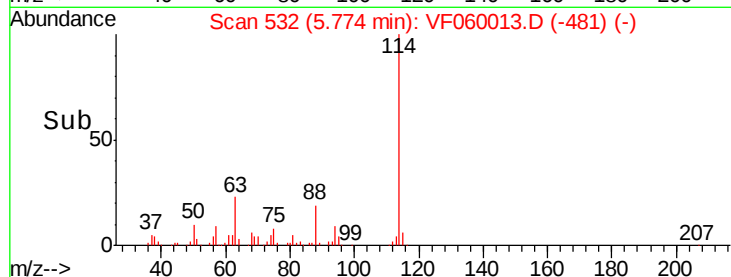
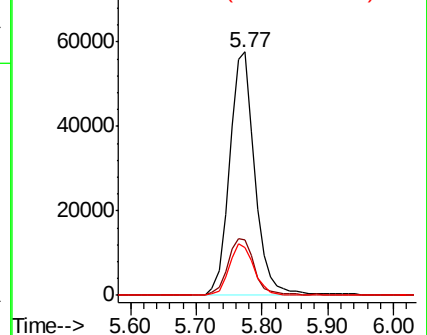
88 19.4 0.0 42.8



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: 56.18 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060013.D

Acq: 20 Aug 2018 20:19

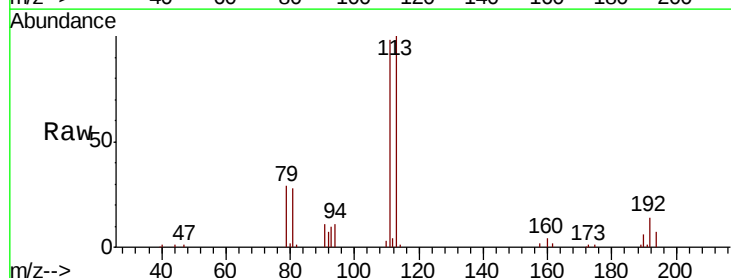
Tgt Ion:113 Resp: 89197

Ion Ratio Lower Upper

113 100

111 98.3 79.5 119.3

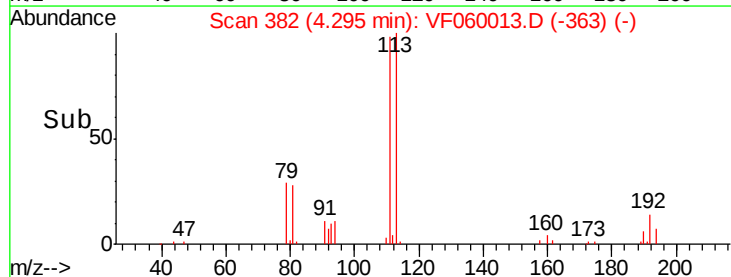
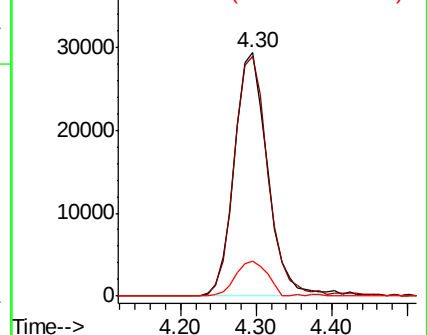
192 14.2 12.4 18.6

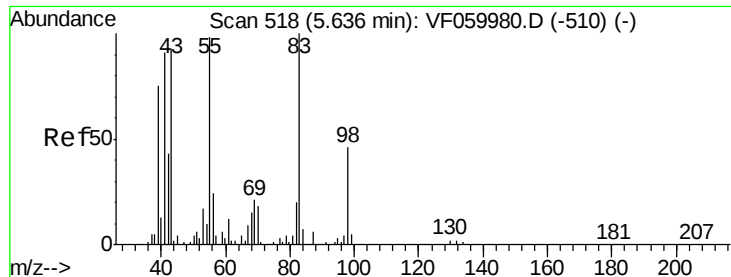


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

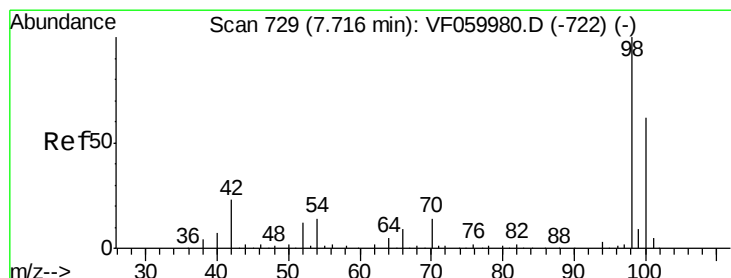
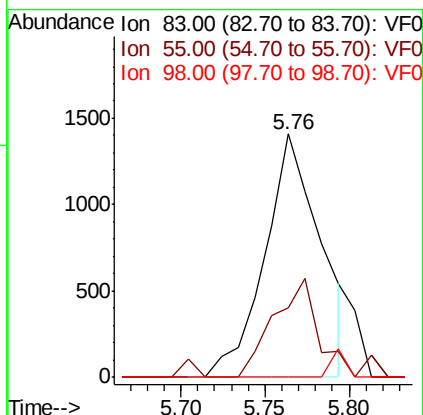
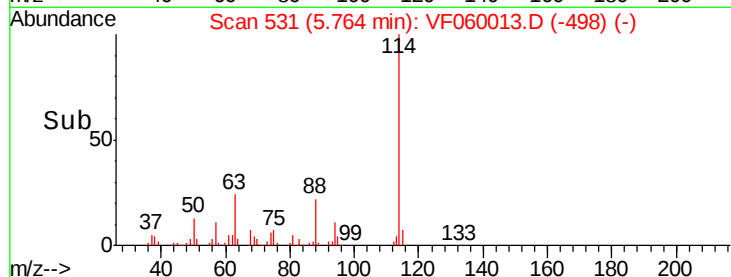
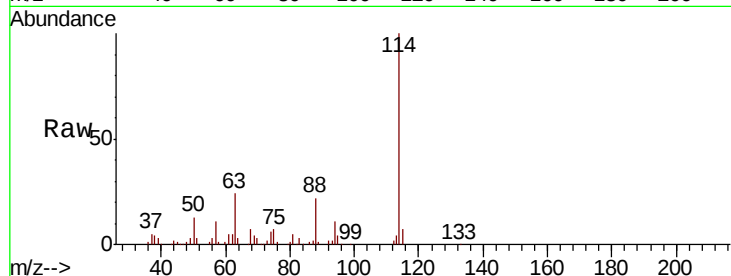




#39
Methvlcvclohexane
Concen: 2.42 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF060013.D
Acq: 20 Aug 2018 20:19

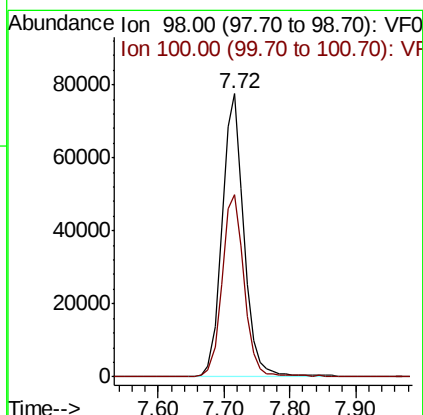
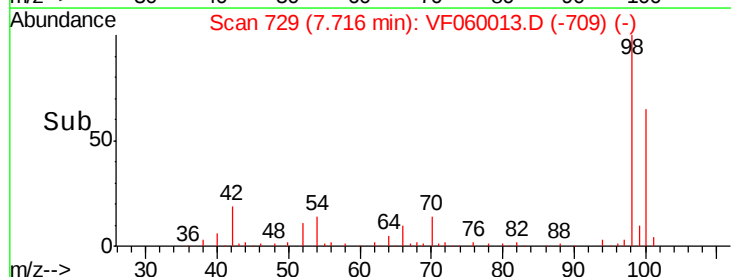
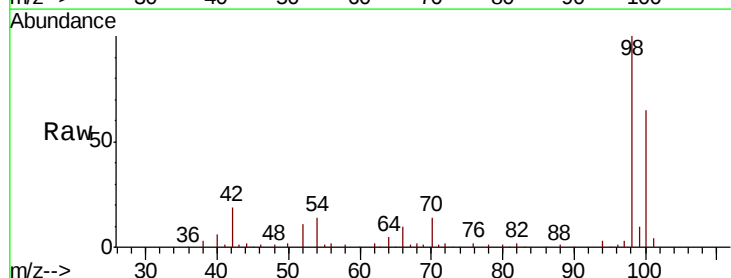
Instrument :
MSVOA_F
ClientSampleId :
LSB-08(0-1)

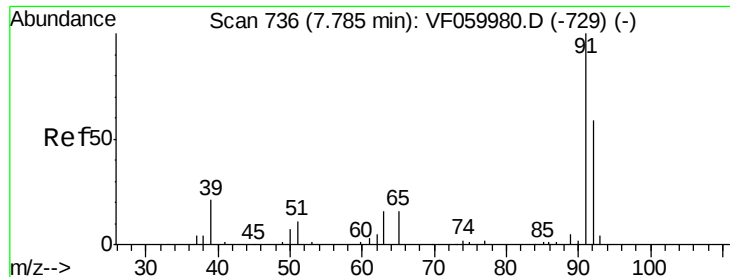
Tot Ion: 83 Resp: 3213
Ion Ratio Lower Upper
83 100
55 28.7 78.8 118.2#
98 0.0 36.8 55.2#



#50
Toluene-d8
Concen: 50.89 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF060013.D
Acq: 20 Aug 2018 20:19

Tgt Ion: 98 Resp: 179678
Ion Ratio Lower Upper
98 100
100 64.5 49.8 74.8

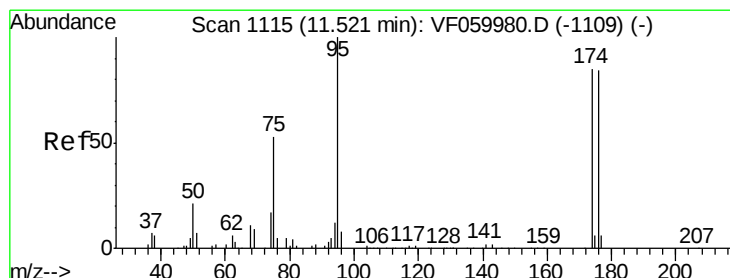
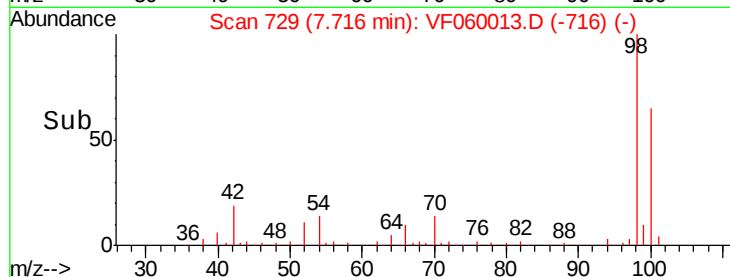
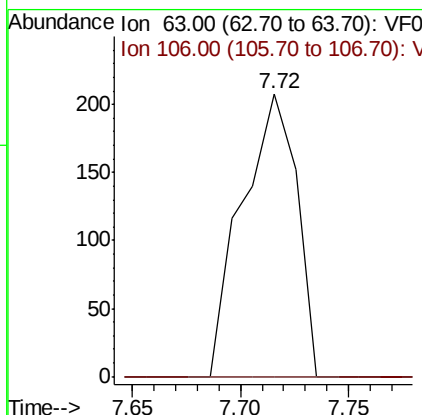
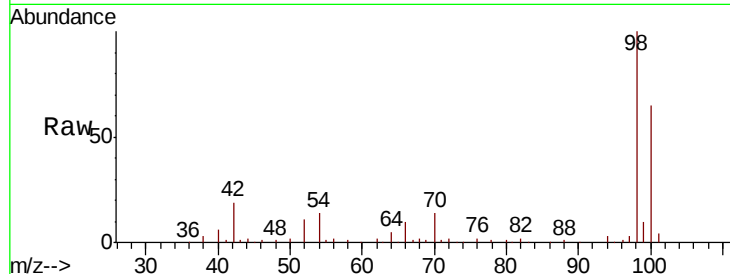




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.17 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. -0.07 min
 Lab File: VF060013.D
 Acq: 20 Aug 2018 20:19

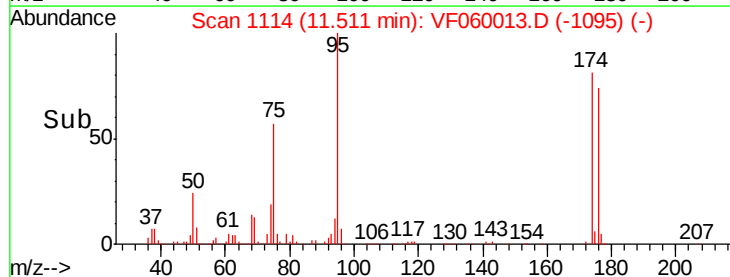
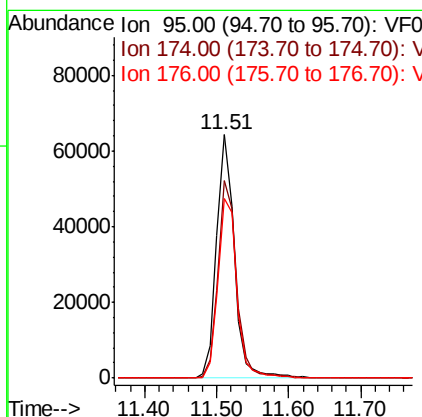
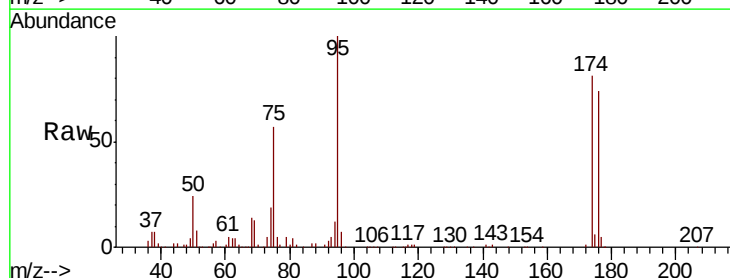
Instrument :
 MSVOA_F
 ClientSampleId :
 LSB-08(0-1)

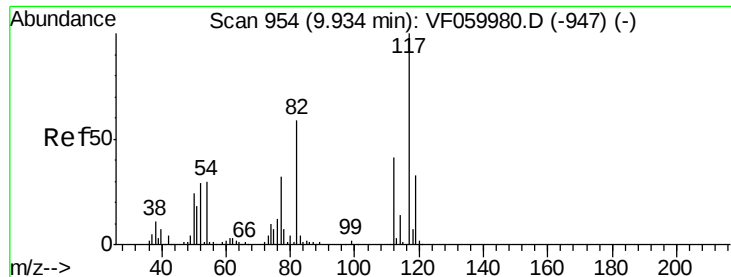
Tot Ion: 63 Resp: 364
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 50.26 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: VF060013.D
 Acq: 20 Aug 2018 20:19

Tgt Ion: 95 Resp: 108897
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 169.8
 176 73.9 0.0 167.8

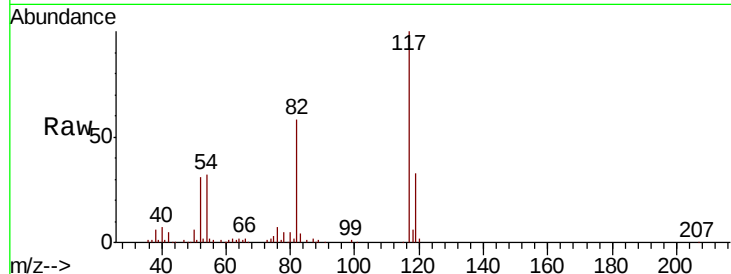




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060013.D
Acq: 20 Aug 2018 20:19

Instrument :
MSVOA_F
ClientSampleId :
LSB-08(0-1)

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.2	70.8
119	32.6	26.1	39.1

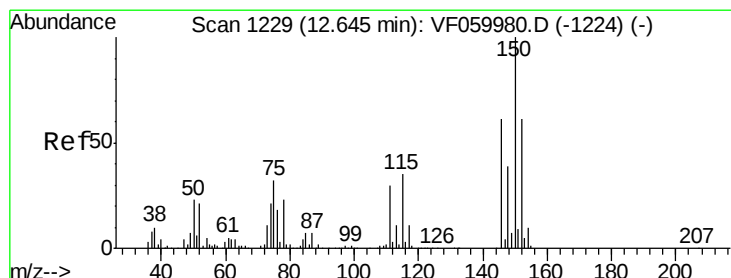
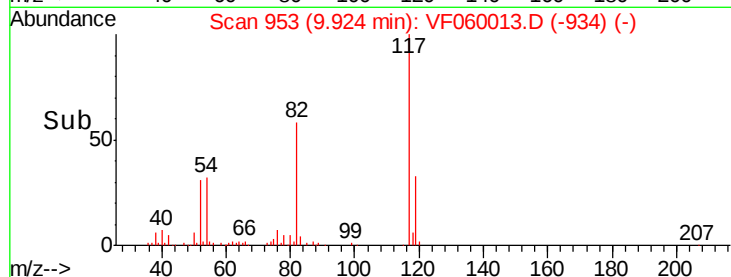
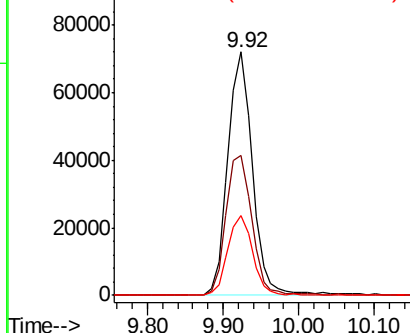


Abundance

Ion 117.00 (116.70 to 117.70): V

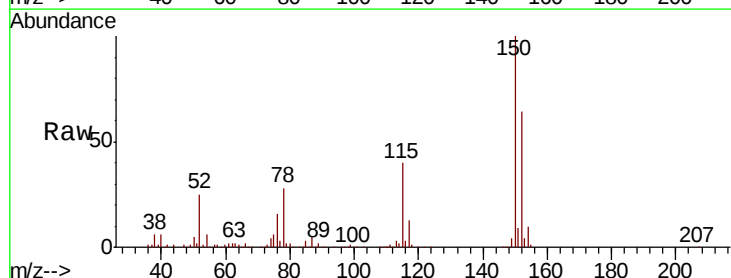
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF060013.D
Acq: 20 Aug 2018 20:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	29.1	87.3
150	155.3	0.0	330.2



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

