

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060018.D
 Acq On : 20 Aug 2018 22:38
 Operator : VA/AP
 Sample : J4509-01
 Misc : 6.85µ/5mL/MSVOA F/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TOD1-FP-6-0-2

Quant Time: Aug 21 04:29:57 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	121535	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	166621	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	172859	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	95638	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	122012	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	4.29	113	91586	53.78	ug/l	-0.01
Spiked Amount			Recovery	=	107.56%	
50) Toluene-d8	7.71	98	177006	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
62) 4-Bromofluorobenzene	11.51	95	99845	42.96	ug/l	-0.01
Spiked Amount			Recovery	=	85.92%	

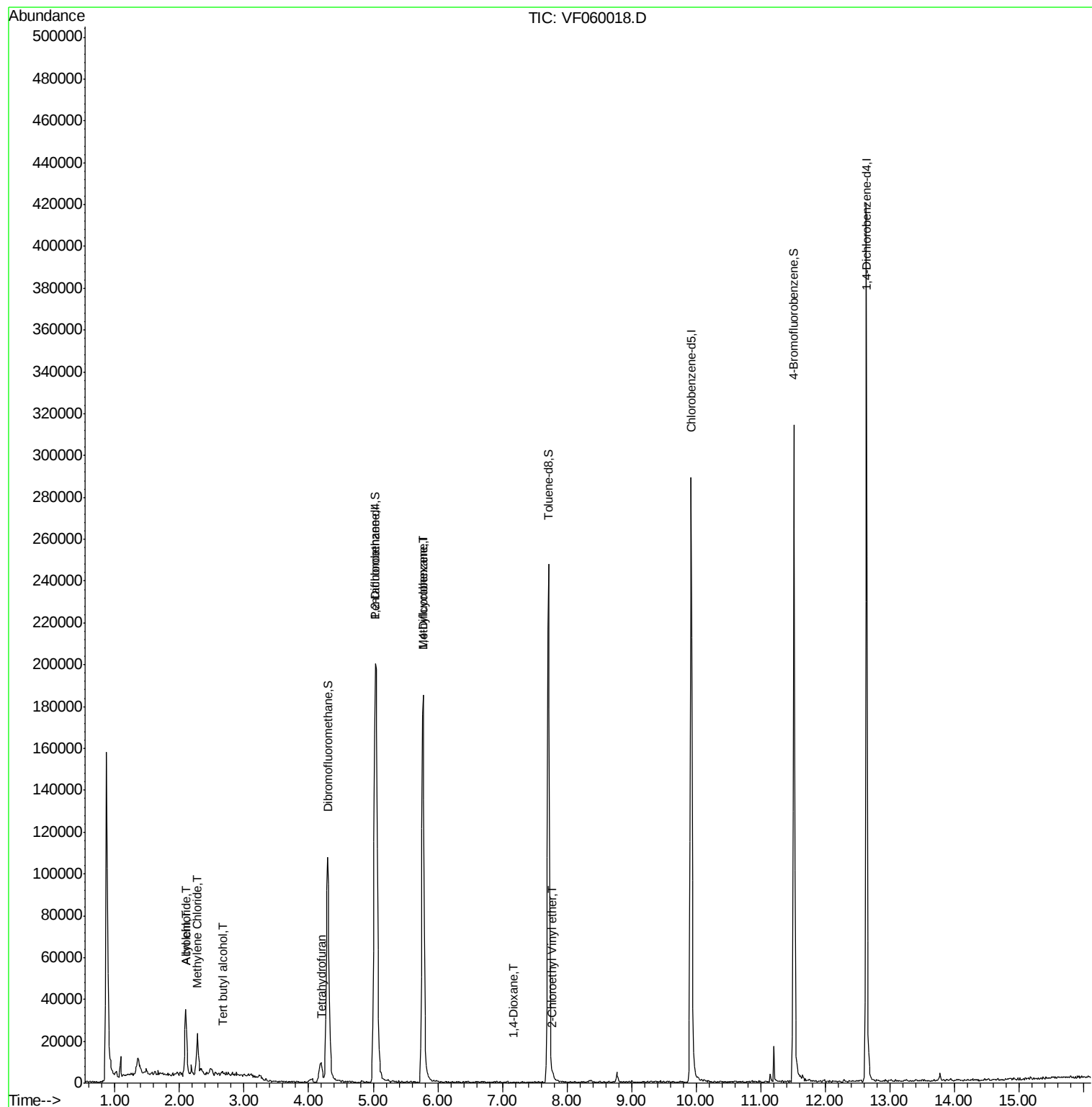
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	882	Below Cal		97
5) Bromomethane	1.39	94	254	Below Cal		97
11) Tert butyl alcohol	2.68	59	499	3.65	ug/l #	76
13) Acrolein	2.10	56	762	23.03	ug/l #	1
14) Allyl chloride	2.10	41	11229	5.79	ug/l #	67
16) Acetone	2.34	43	2233	Below Cal	#	88
18) Methyl Acetate	2.46	43	1112	Below Cal	#	63
20) Methylene Chloride	2.28	84	8118	2.37	ug/l #	88
29) Tetrahydrofuran	4.19	42	369	1.82	ug/l #	38
39) Methylcyclohexane	5.76	83	3408	2.39	ug/l #	37
49) 1,4-Dioxane	7.17	88	62	65.14	ug/l #	25
58) 2-Chloroethyl Vinyl ether	7.78	63	95	1.01	ug/l	100

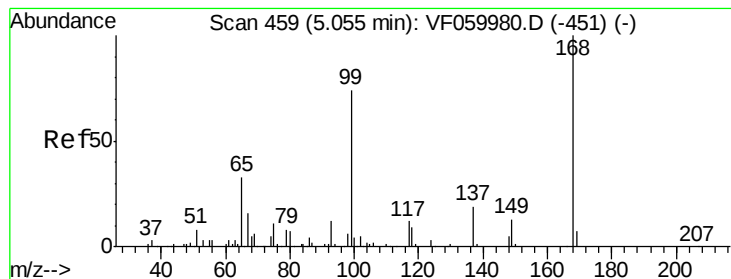
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF060018.D

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Instrument :

MSVOA_F

ClientSampleId :

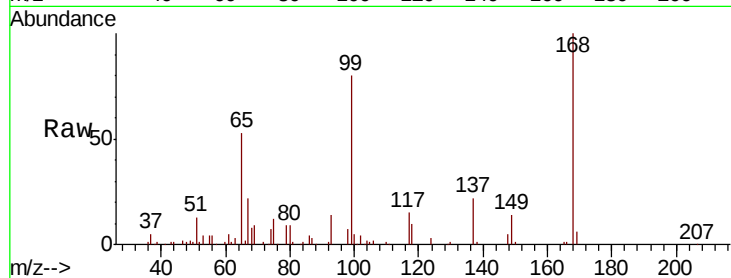
TOD1-FP-6-0-2

Tot Ion:168 Resp: 121535

Ion Ratio Lower Upper

168 100

99 80.0 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

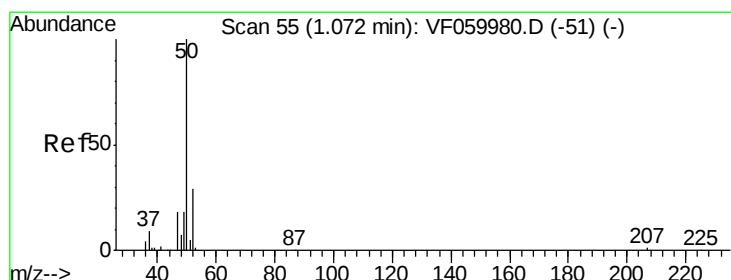
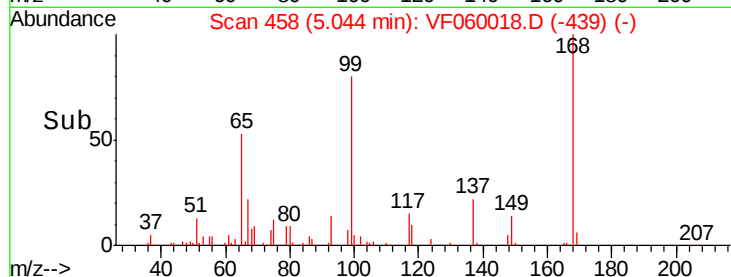
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF060018.D

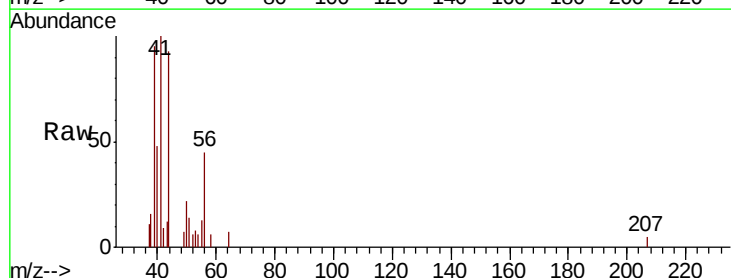
Acq: 20 Aug 2018 22:38

Tgt Ion: 50 Resp: 882

Ion Ratio Lower Upper

50 100

52 28.1 23.6 35.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

600

500

400

300

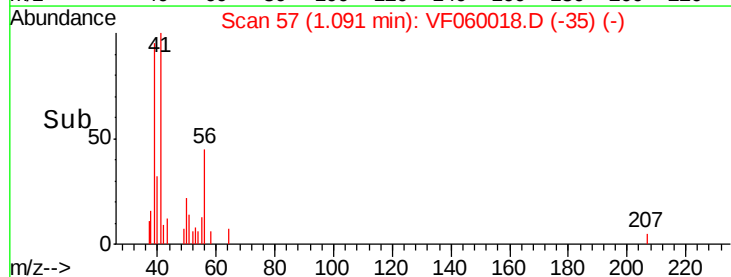
200

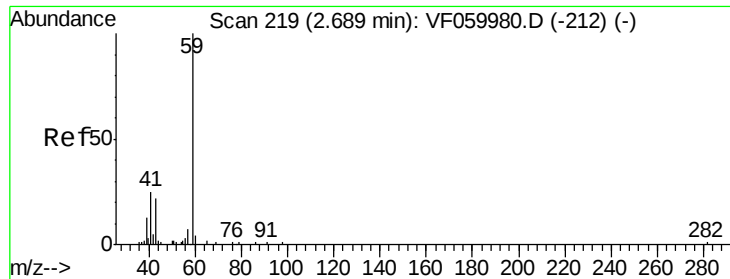
100

0

1.05 1.10 1.15

Time-->



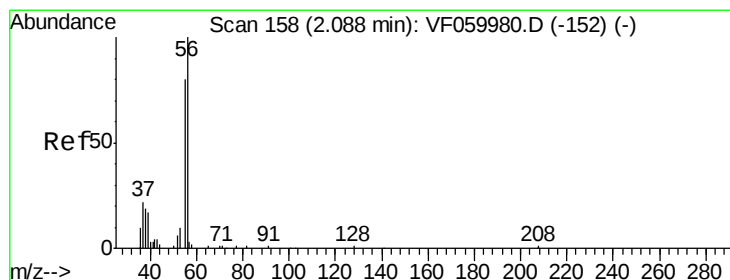
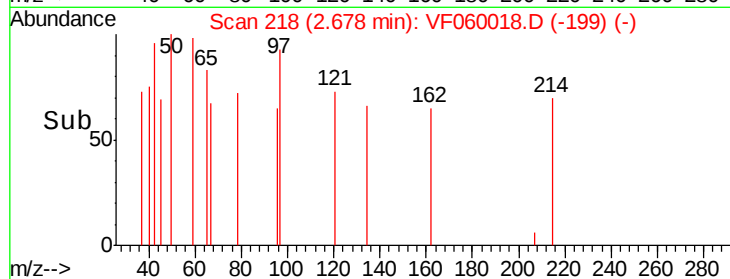
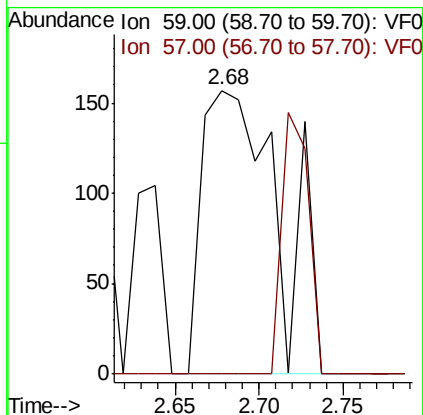
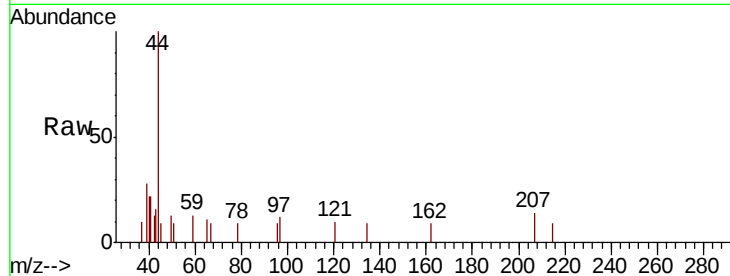


#11

Tert butyl alcohol
 Concen: 3.65 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF060018.D
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Instrument :
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 ClientSampleId :
 TOD1-FP-6-0-2

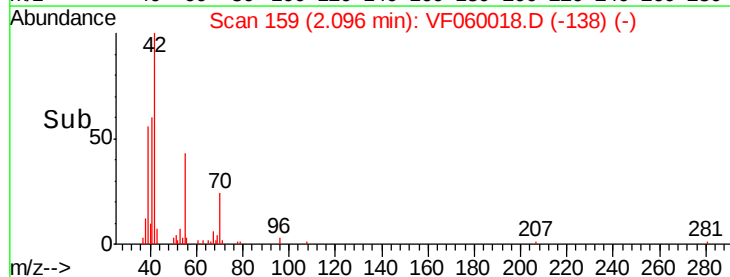
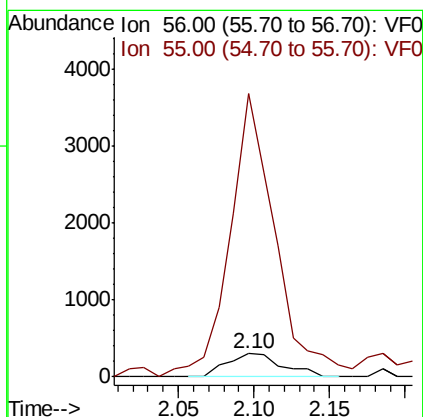
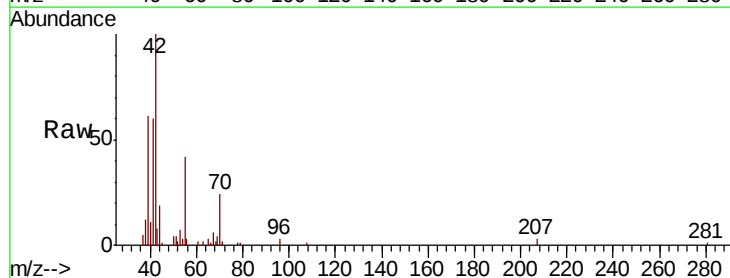
Tot Ion: 59 Resp: 499
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#

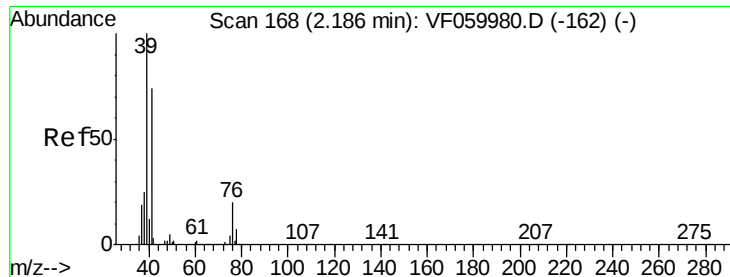


#13

Acrolein
 Concen: 23.03 ug/l
 RT: 2.10 min Scan# 159
 Delta R.T. 0.01 min
 Lab File: VF060018.D
 Acq: 20 Aug 2018 22:38

Tgt Ion: 56 Resp: 762
 Ion Ratio Lower Upper
 56 100
 55 1231.8 63.8 95.6#

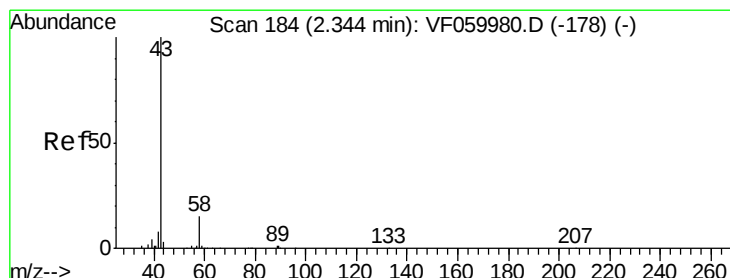
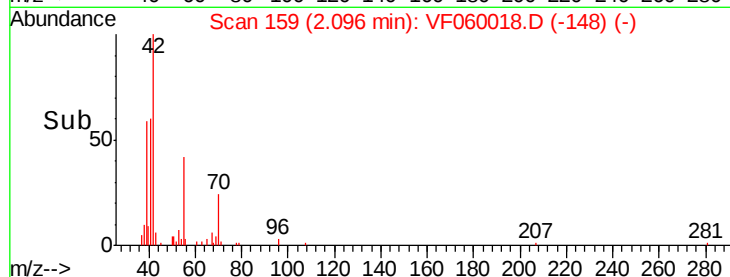
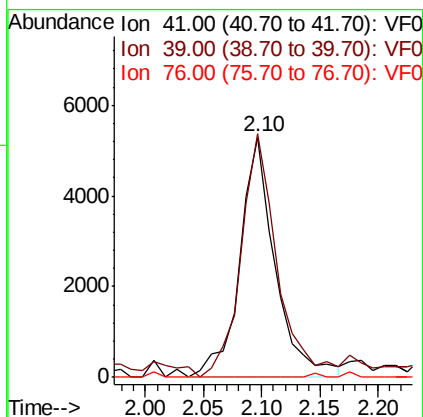
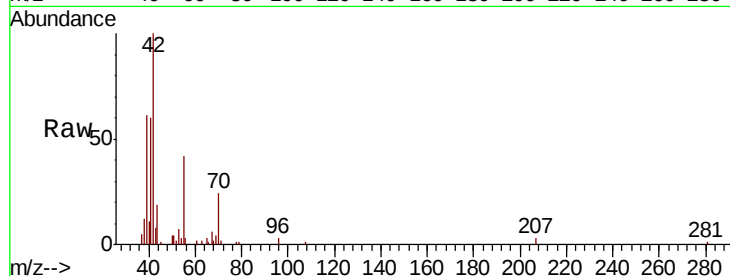




#14
Allvl chloride
Concen: 5.79 ua/l
RT: 2.10 min Scan# 159
Delta R.T. -0.09 min
Lab File: VF060018.D
Acq: 20 Aug 2018 22:38

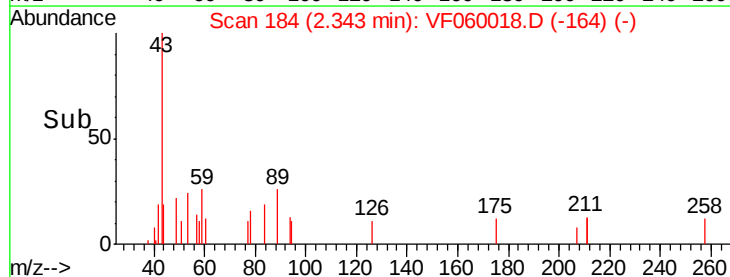
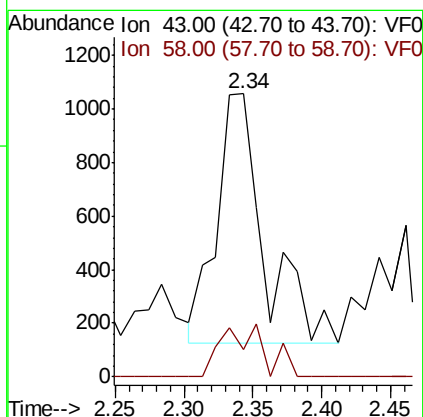
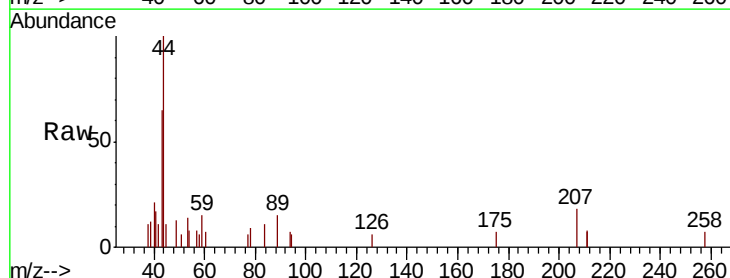
Instrument :
MSVOA_F
ClientSampleId :
TOD1-FP-6-0-2

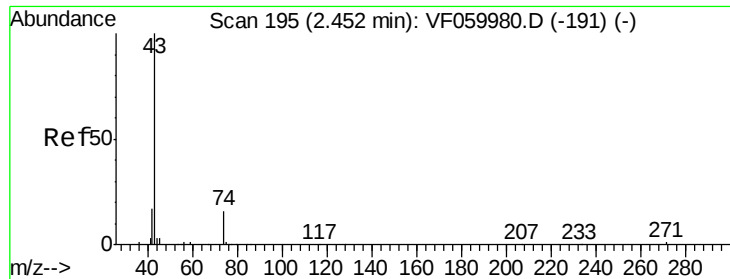
Tot Ion	Ratio	Lower	Upper
41	100		
39	101.5	109.3	163.9#
76	0.0	21.3	31.9#



#16
Acetone
Concen: Below Cal
RT: 2.34 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF060018.D
Acq: 20 Aug 2018 22:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	9.7	11.9	17.9#

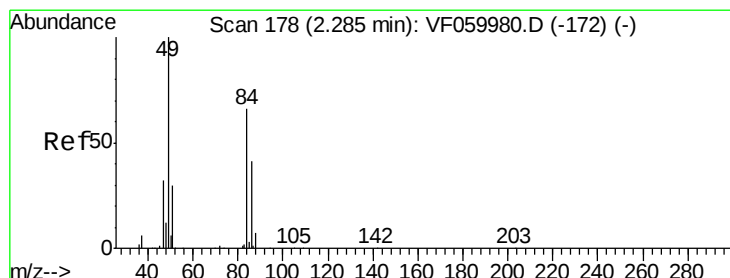
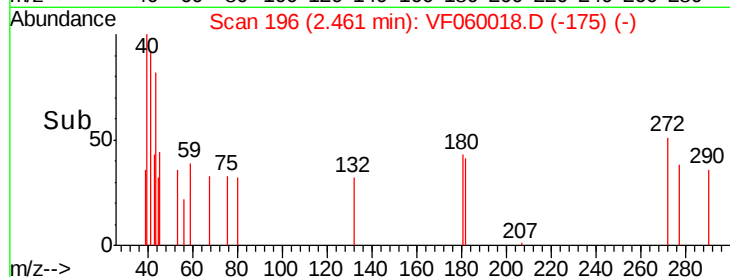
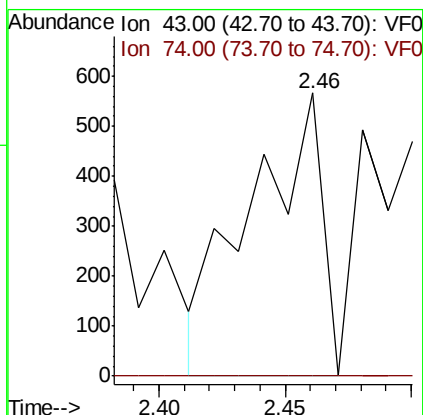
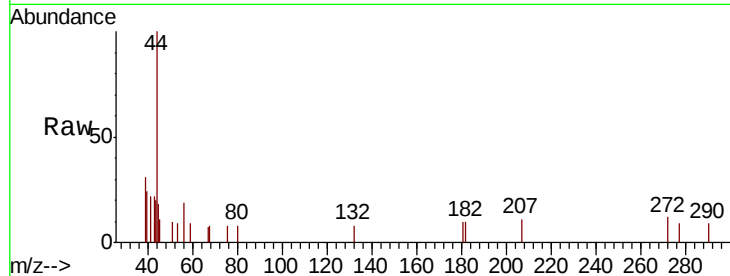




#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF060018.D
Acq: 20 Aug 2018 22:38

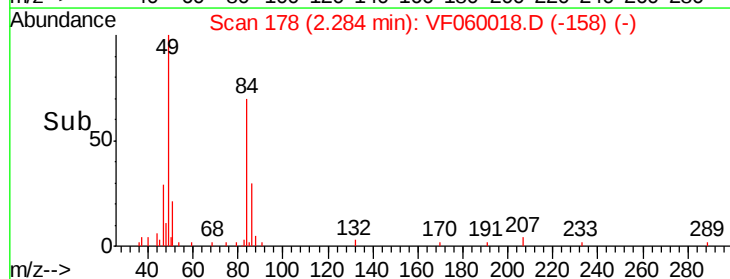
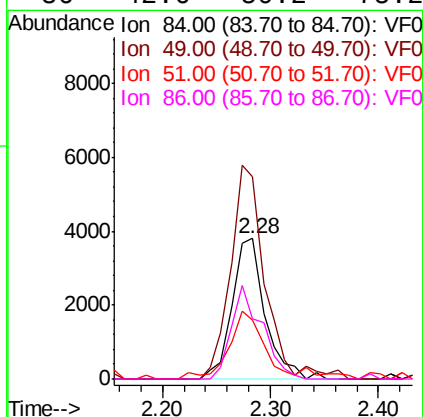
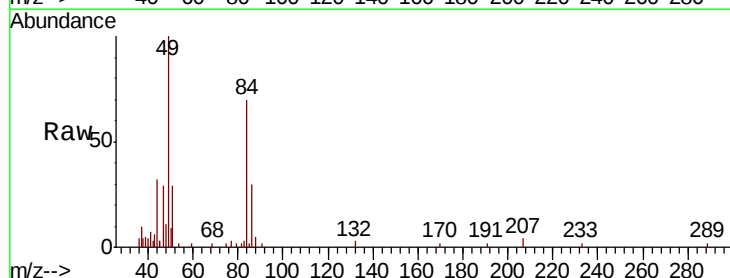
Instrument :
MSVOA_F
ClientSampleId :
TOD1-FP-6-0-2

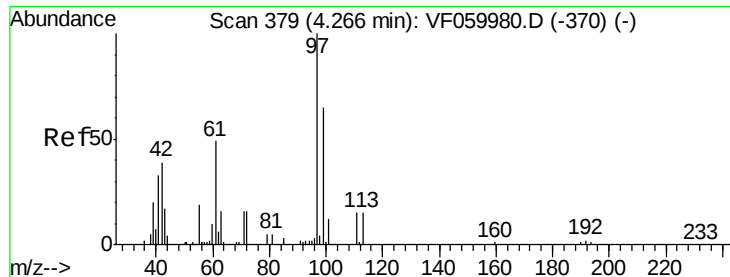
Tot Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
74 0.0 12.3 18.5#



#20
Methylene Chloride
Concen: 2.37 ug/l
RT: 2.28 min Scan# 178
Delta R.T. -0.00 min
Lab File: VF060018.D
Acq: 20 Aug 2018 22:38

Tgt Ion: 84 Resp: 8118
Ion Ratio Lower Upper
84 100
49 143.6 122.5 183.7
51 42.2 37.1 55.7
86 42.6 50.2 75.2#

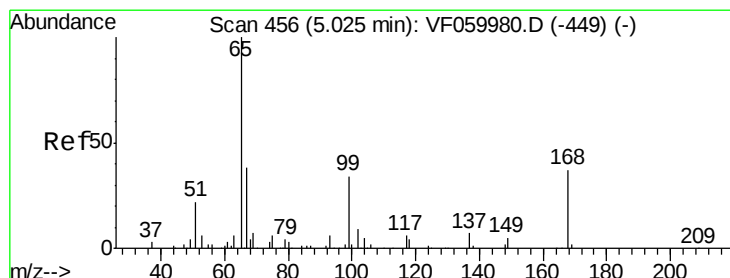
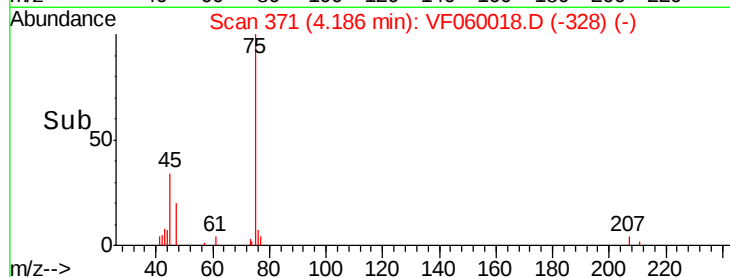
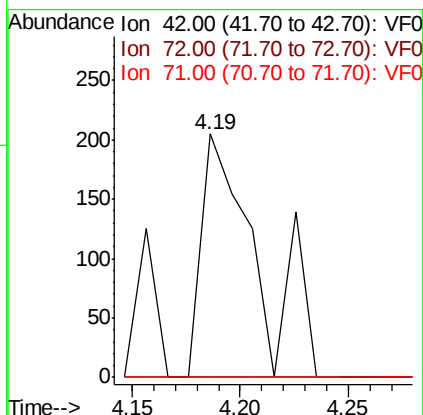
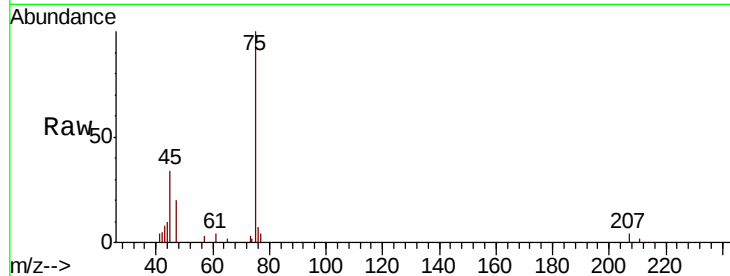




#29
Tetrahydrofuran
Concen: 1.82 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.08 min
Lab File: VF060018.D
Acq: 20 Aug 2018 22:38

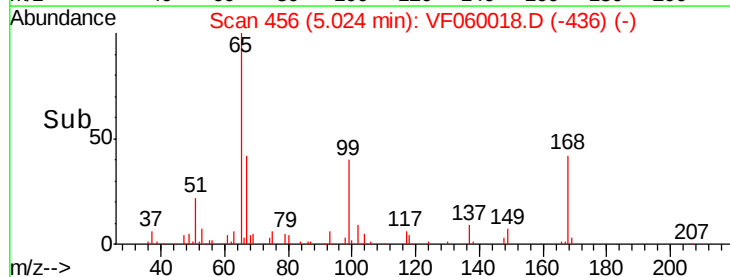
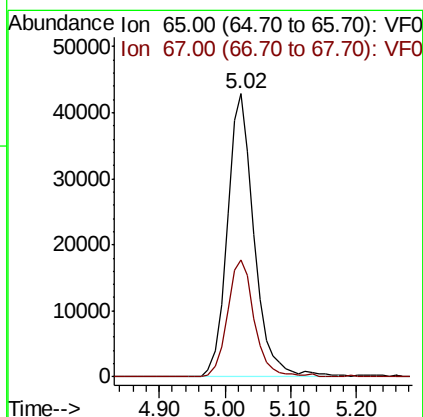
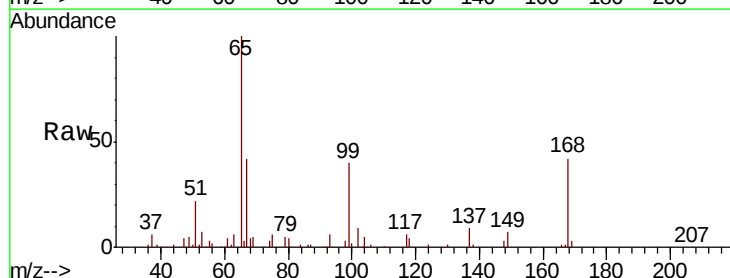
Instrument :
MSVOA_F
ClientSampleId :
TOD1-FP-6-0-2

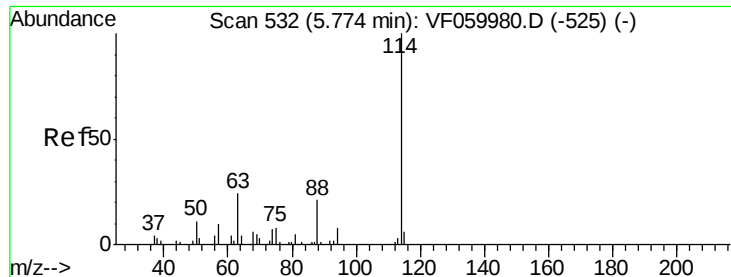
Tot Ion: 42 Resp: 369
Ion Ratio Lower Upper
42 100
72 0.0 29.8 44.6#
71 0.0 29.0 43.4#



#33
1,2-Dichloroethane-d4
Concen: 52.01 ug/l
RT: 5.02 min Scan# 456
Delta R.T. -0.00 min
Lab File: VF060018.D
Acq: 20 Aug 2018 22:38

Tgt Ion: 65 Resp: 122012
Ion Ratio Lower Upper
65 100
67 41.5 0.0 82.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF060018.D

Acq: 20 Aug 2018 22:38

Instrument :

MSVOA_F

ClientSampleId :

TOD1-FP-6-0-2

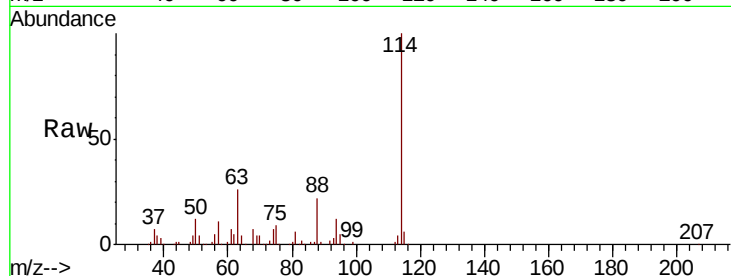
Tot Ion:114 Resp: 166621

Ion Ratio Lower Upper

114 100

63 26.1 0.0 48.6

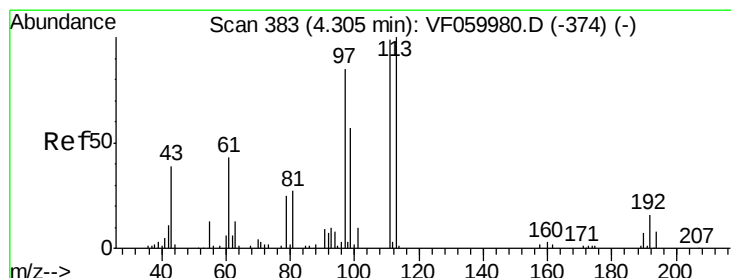
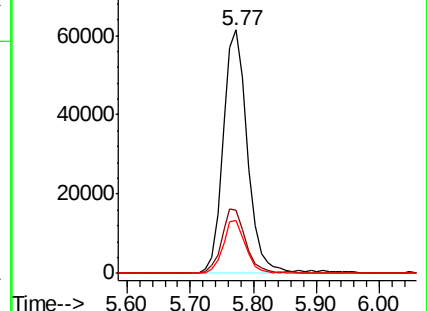
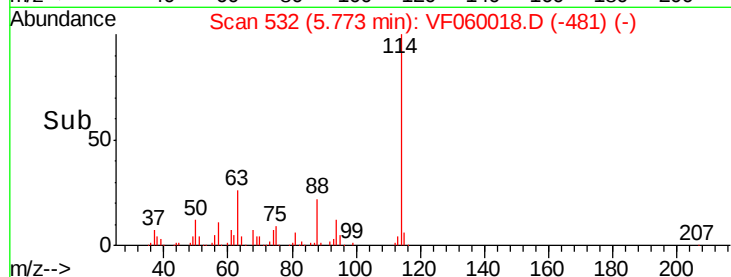
88 21.6 0.0 42.8



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: 53.78 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060018.D

Acq: 20 Aug 2018 22:38

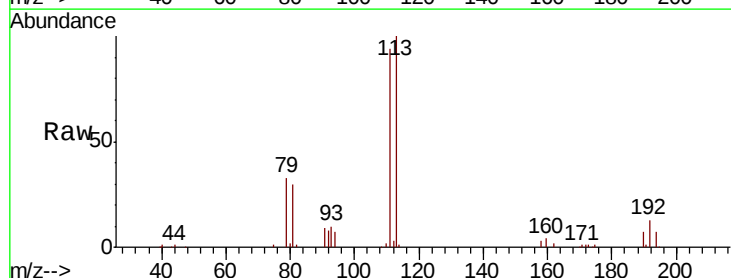
Tgt Ion:113 Resp: 91586

Ion Ratio Lower Upper

113 100

111 94.3 79.5 119.3

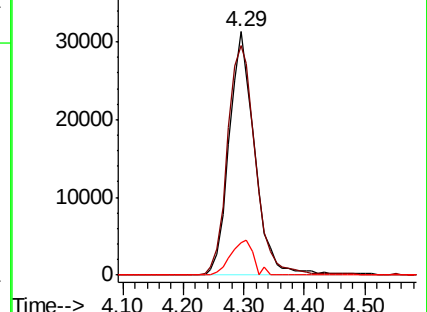
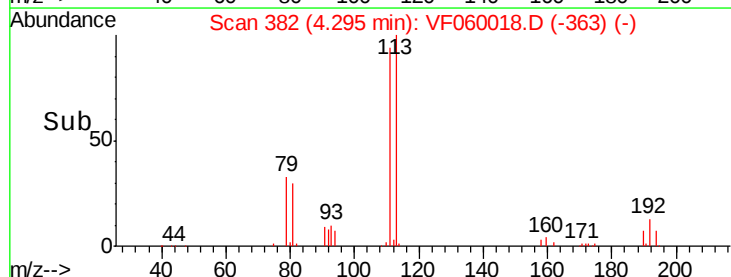
192 13.5 12.4 18.6

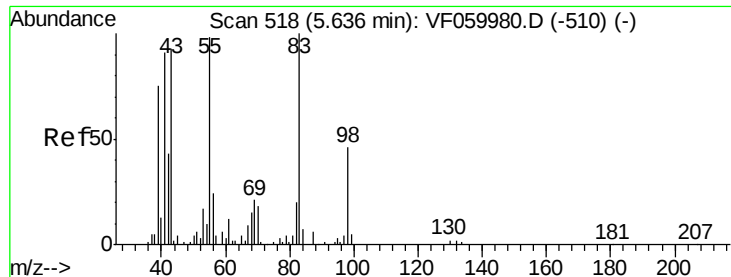


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

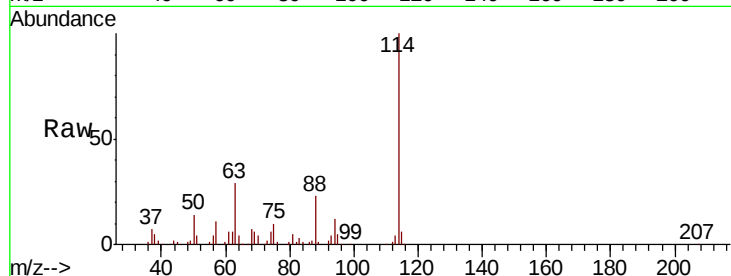




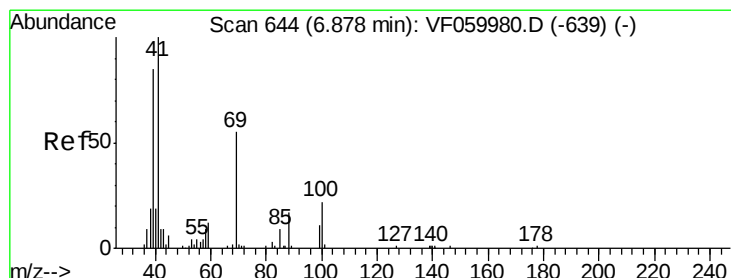
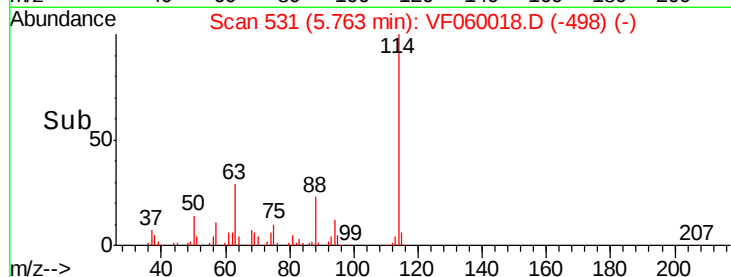
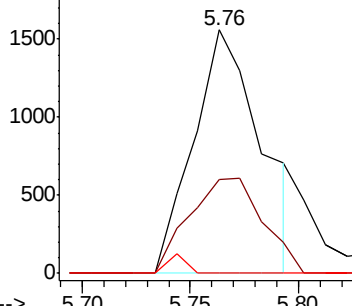
#39
Methvlcvclohexane
Concen: 2.39 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF060018.D
Acq: 20 Aug 2018 22:38

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ClientSampleId :
TOD1-FP-6-0-2

Tot Ion: 83 Resp: 3408
Ion Ratio Lower Upper
83 100
55 38.7 78.8 118.2#
98 0.0 36.8 55.2#

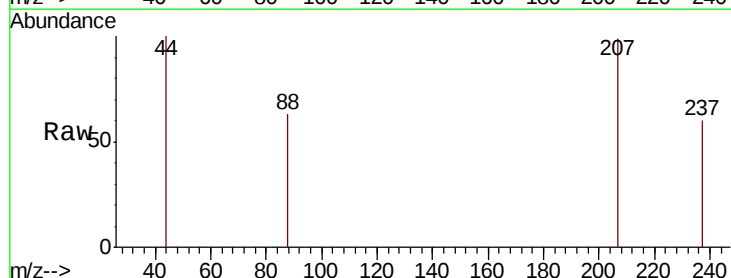


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

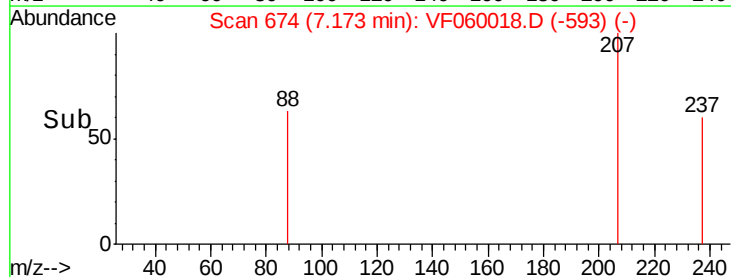
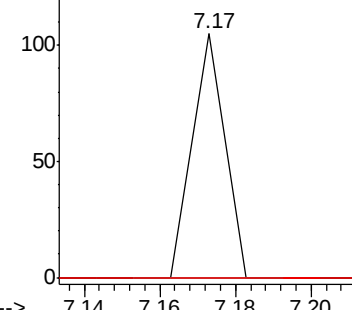


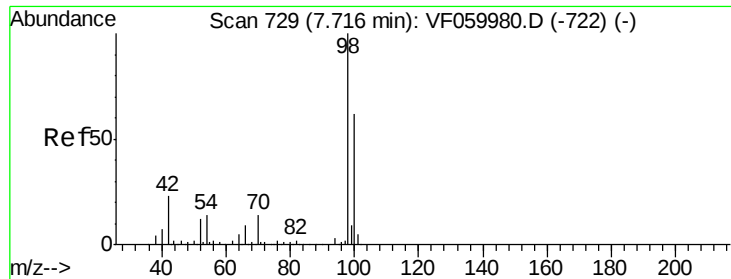
#49
1,4-Dioxane
Concen: 65.14 ug/l
RT: 7.17 min Scan# 674
Delta R.T. 0.29 min
Lab File: VF060018.D
Acq: 20 Aug 2018 22:38

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 43.2 64.8#
58 0.0 42.0 63.0#



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: 46.74 ug/l

RT: 7.71 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF060018.D

Acq: 20 Aug 2018 22:38

Instrument :

MSVOA_F

ClientSampleId :

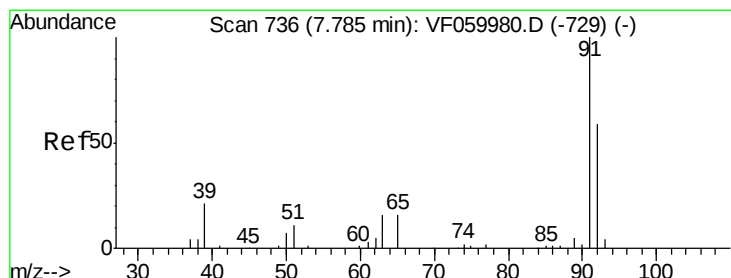
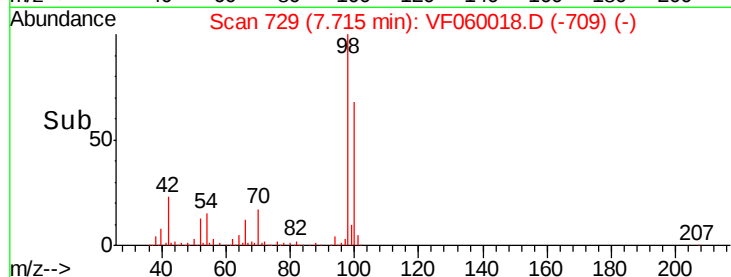
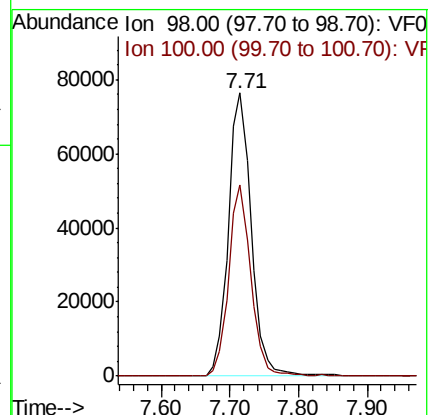
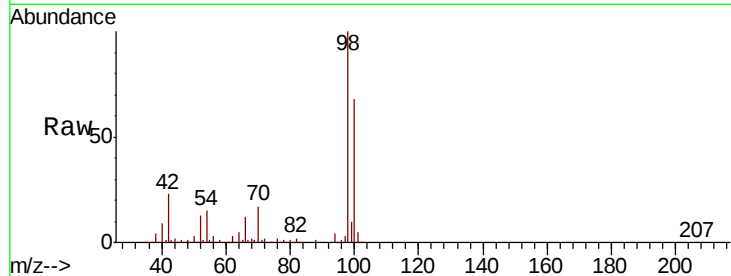
TOD1-FP-6-0-2

Tot Ion: 98 Resp: 177006

Ion Ratio Lower Upper

98 100

100 67.6 49.8 74.8



#58

2-Chloroethyl Vinyl ether

Concen: 1.01 ug/l

RT: 7.78 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF060018.D

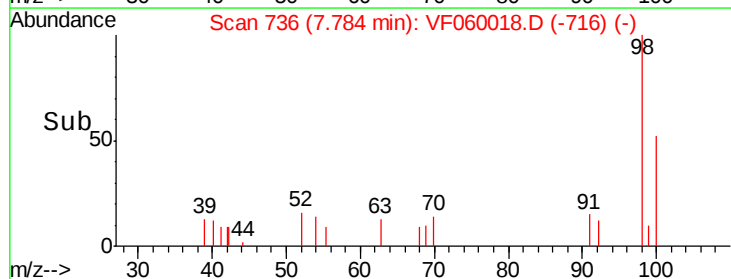
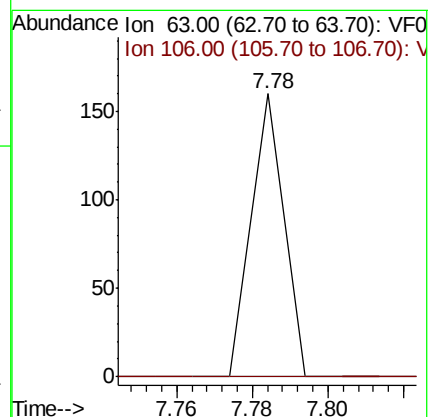
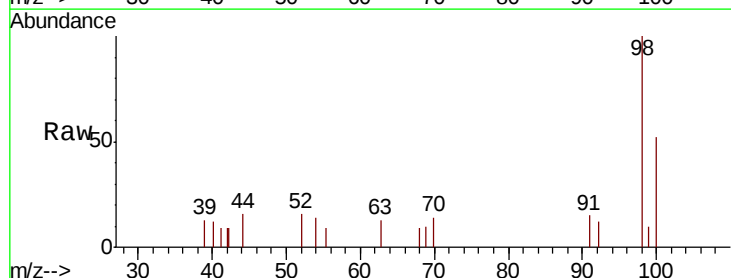
Acq: 20 Aug 2018 22:38

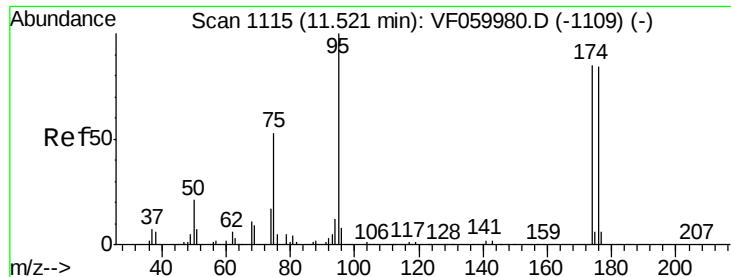
Tgt Ion: 63 Resp: 95

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 42.96 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060018.D

Acq: 20 Aug 2018 22:38

Instrument :

MSVOA_F

ClientSampleId :

TOD1-FP-6-0-2

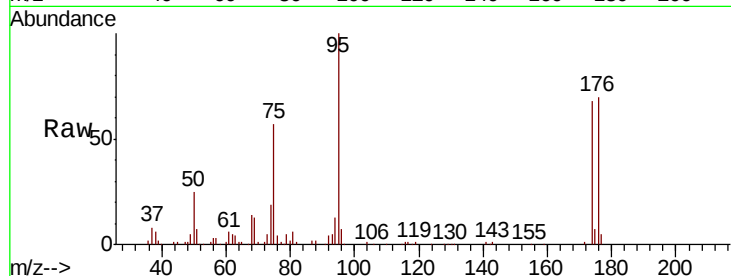
Tot Ion: 95 Resp: 99845

Ion Ratio Lower Upper

95 100

174 67.9 0.0 169.8

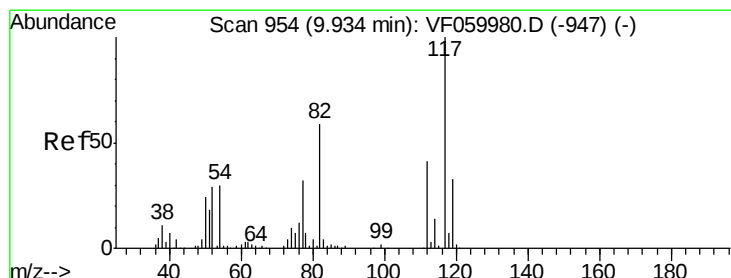
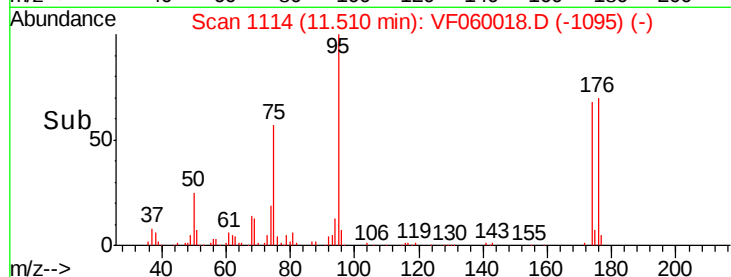
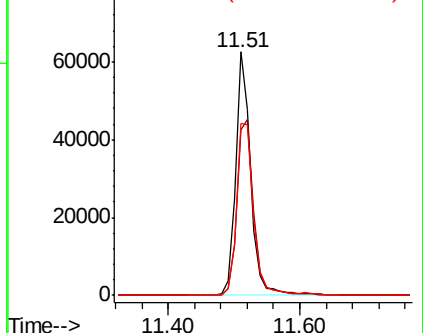
176 70.4 0.0 167.8



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060018.D

Acq: 20 Aug 2018 22:38

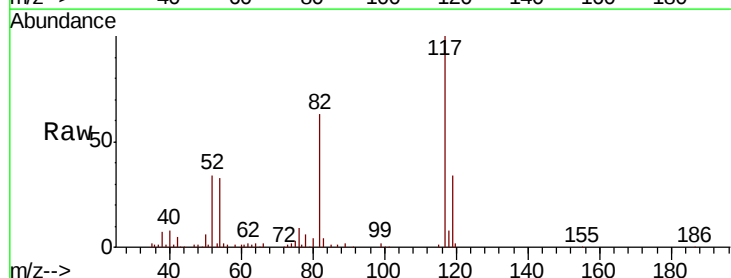
Tgt Ion: 117 Resp: 172859

Ion Ratio Lower Upper

117 100

82 63.3 47.2 70.8

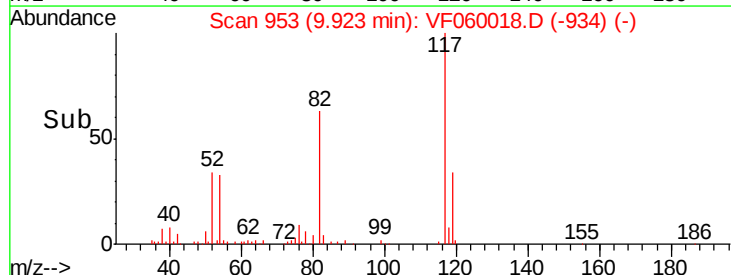
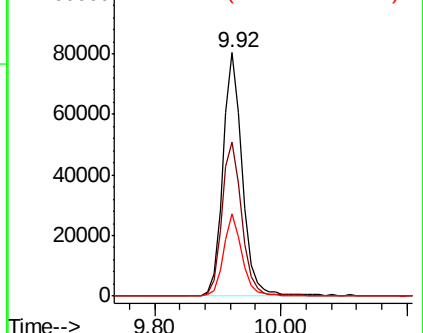
119 33.7 26.1 39.1

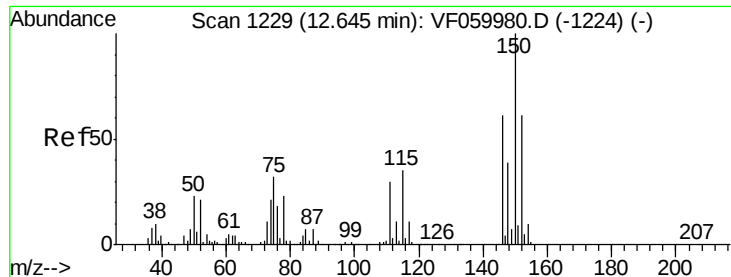


Abundance Ion 117.00 (116.70 to 117.70): V

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: VF060018.D

Acq: 20 Aug 2018 22:38

Instrument :

MSVOA_F

ClientSampleId :

TOD1-FP-6-0-2

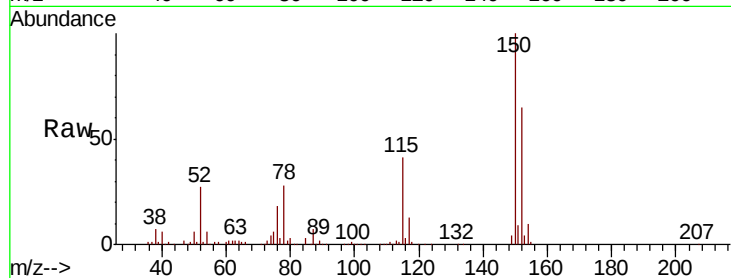
Tot Ion:152 Resp: 95638

Ion Ratio Lower Upper

152 100

115 63.2 29.1 87.3

150 154.2 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

