

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059240.D
 Acq On : 20 Jun 2018 21:55
 Operator : VA/AP
 Sample : J3584-07RE
 Misc : 5.41g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:39:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	223257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	347393	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	333200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208603	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	164289	60.68	ug/l	0.00
Spiked Amount			Recovery	=	121.36%	
35) Dibromofluoromethane	4.29	113	144514	59.29	ug/l	0.00
Spiked Amount			Recovery	=	118.58%	
50) Toluene-d8	7.70	98	335673	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
62) 4-Bromofluorobenzene	11.51	95	181448	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	

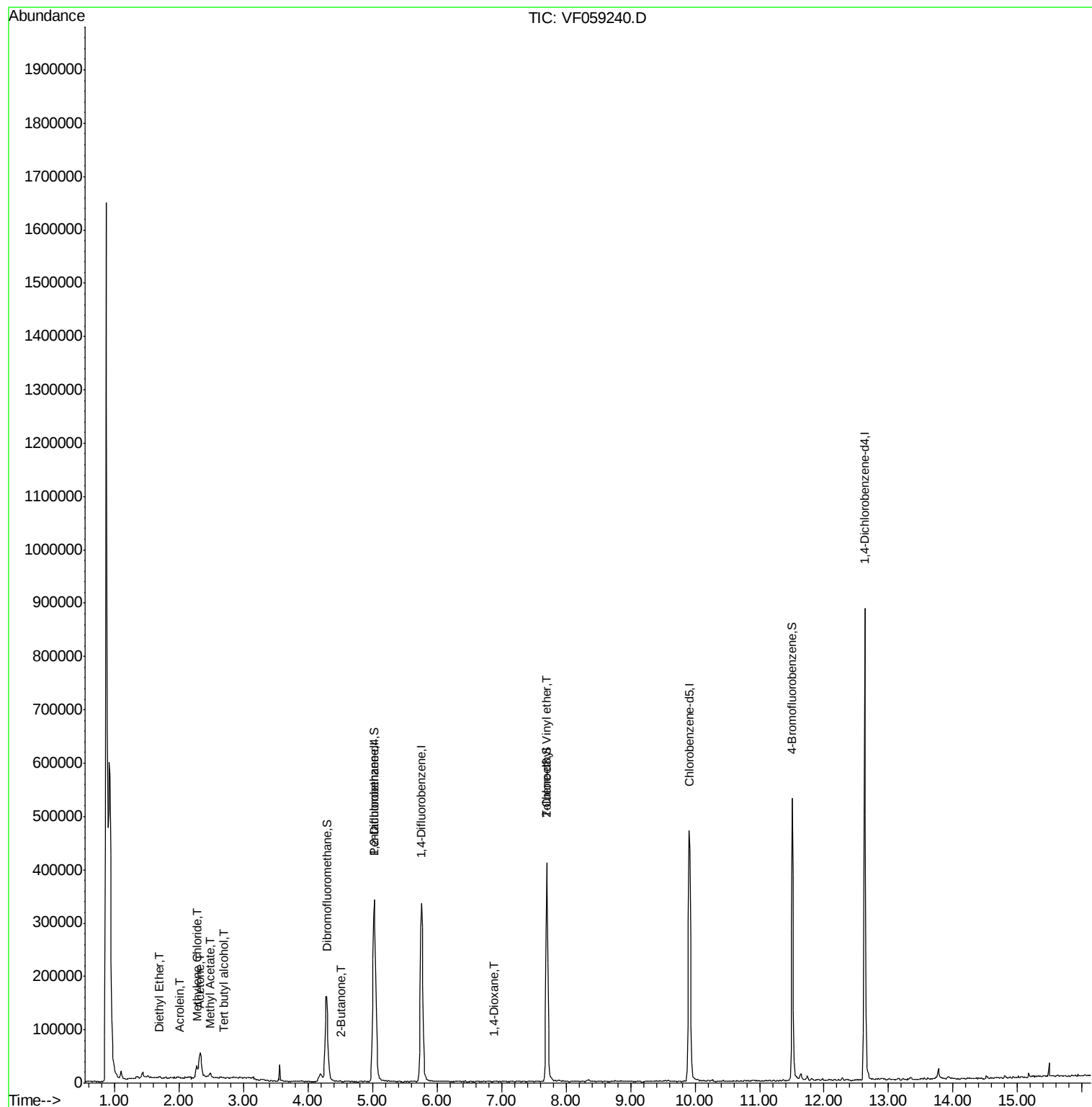
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.71	74	974	1.410	ug/l	93
11) Tert butyl alcohol	2.68	59	838	4.830	ug/l #	12
13) Acrolein	2.02	56	458	3.050	ug/l	87
16) Acetone	2.33	43	57199	88.478	ug/l #	86
18) Methyl Acetate	2.47	43	4488	4.038	ug/l #	66
20) Methylene Chloride	2.28	84	10407	6.723	ug/l	92
25) 2-Butanone	4.52	43	1796	1.792	ug/l #	78
49) 1,4-Dioxane	6.88	88	85	19.129	ug/l #	59
58) 2-Chloroethyl Vinyl ether	7.70	63	445	2.420	ug/l	100
89) n-Butylbenzene	12.92	91	1211	Below Cal	#	62

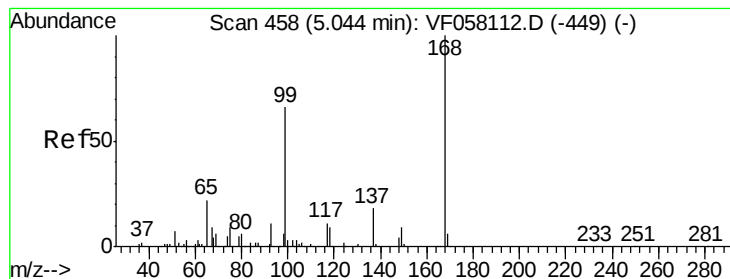
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059240.D

Acq: 20 Jun 2018 21:55

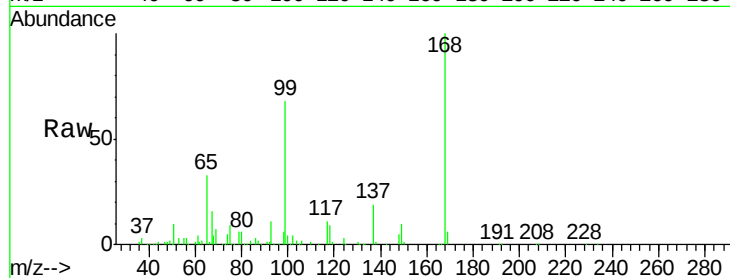
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 223257

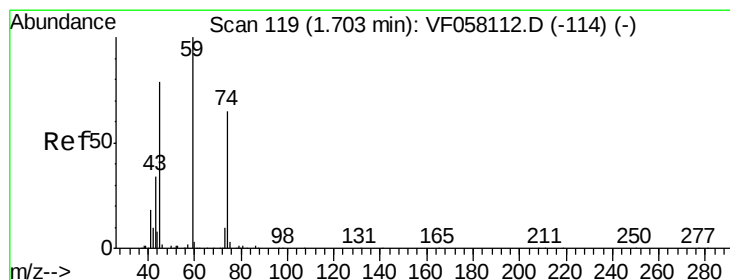
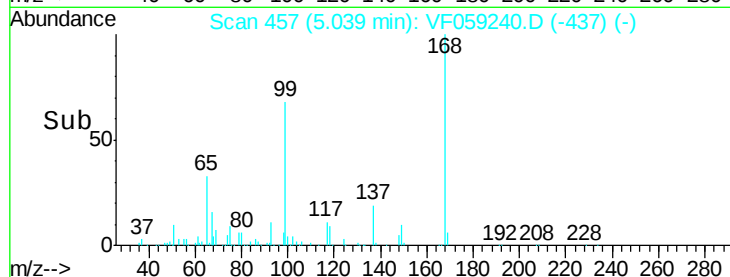
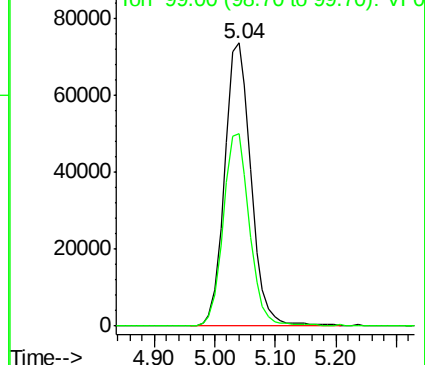
Ion Ratio Lower Upper

168 100

99 68.2 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.410 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059240.D

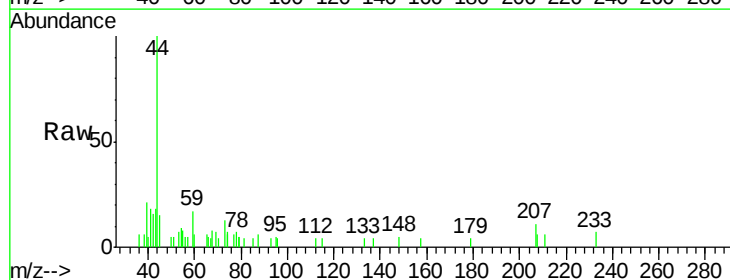
Acq: 20 Jun 2018 21:55

Tgt Ion: 74 Resp: 974

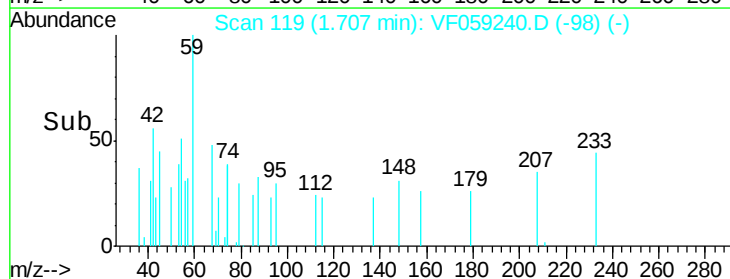
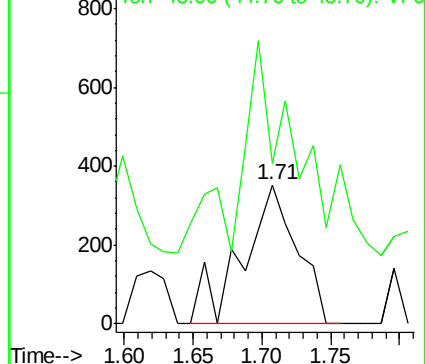
Ion Ratio Lower Upper

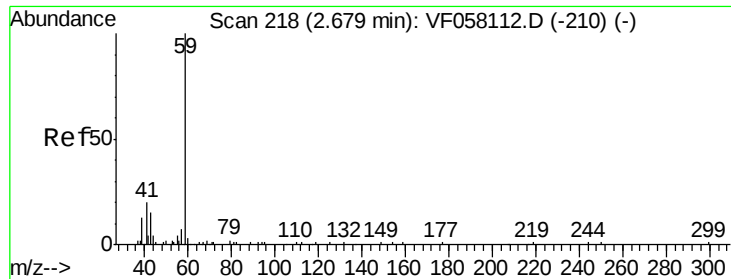
74 100

45 115.3 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

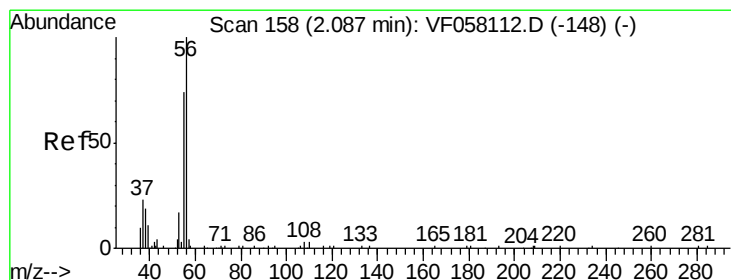
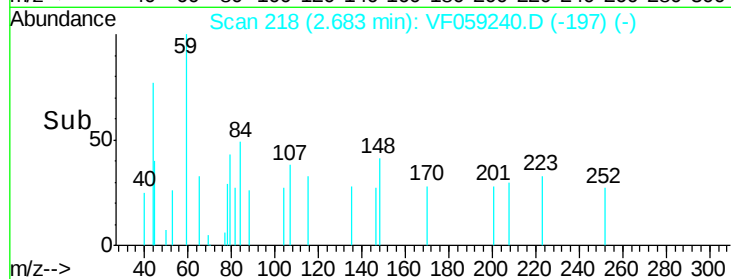
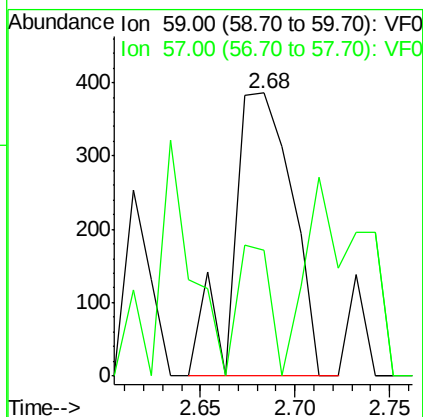
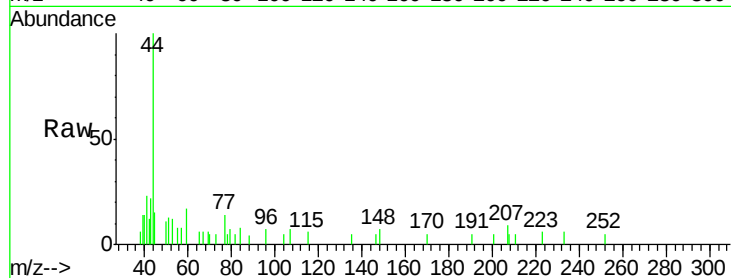




#11
Tert butyl alcohol
Concen: 4.830 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

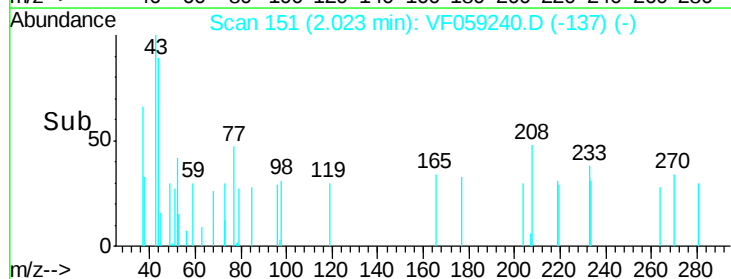
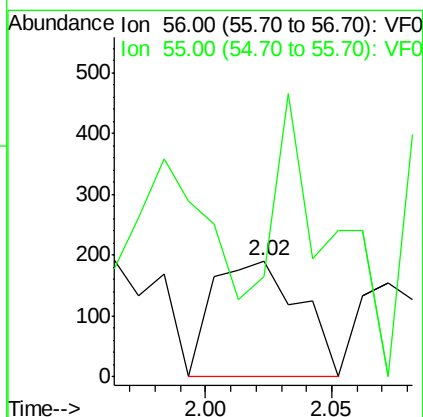
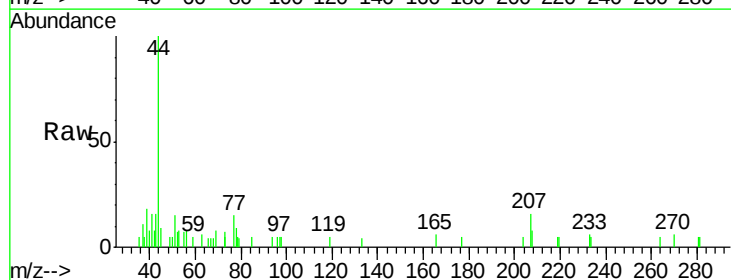
Instrument :
MSVOA_F
ClientSampled :

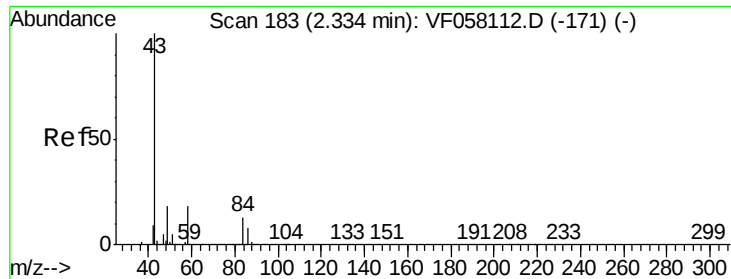
Tot Ion: 59 Resp: 838
Ion Ratio Lower Upper
59 100
57 44.3 8.7 13.1#



#13
Acrolein
Concen: 3.050 ug/l
RT: 2.02 min Scan# 151
Delta R.T. -0.06 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

Tgt Ion: 56 Resp: 458
Ion Ratio Lower Upper
56 100
55 85.9 60.0 90.0

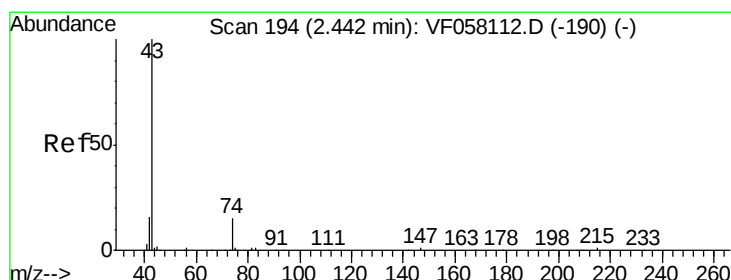
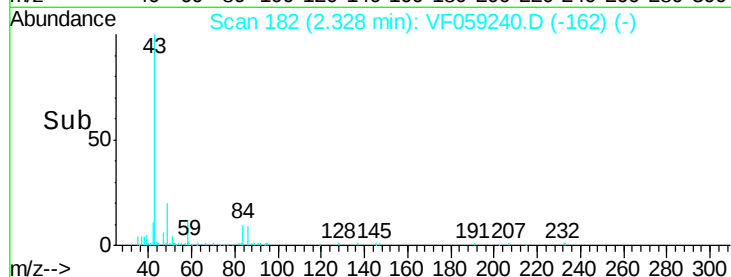
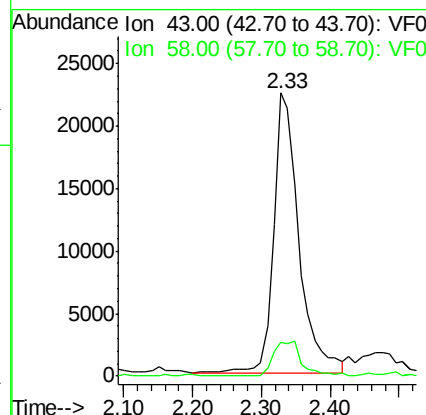
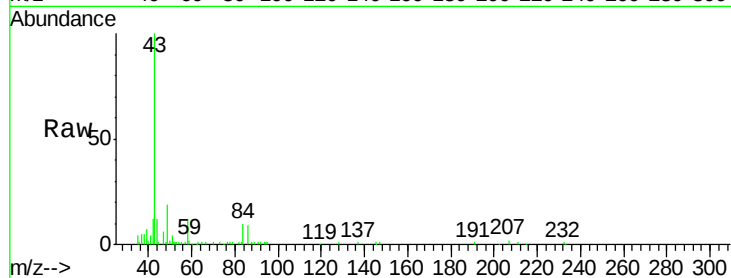




#16
Acetone
Concen: 88.478 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

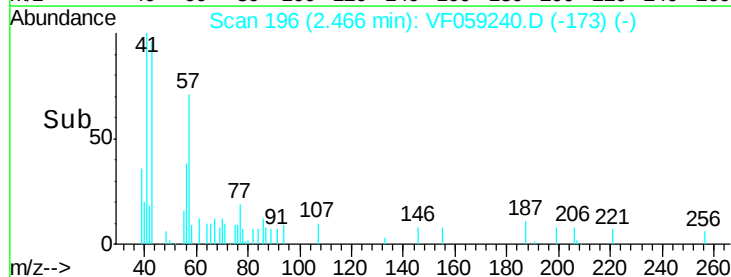
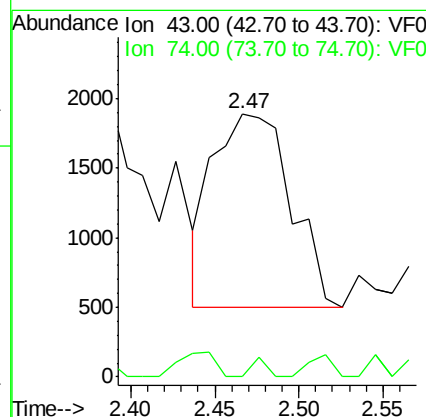
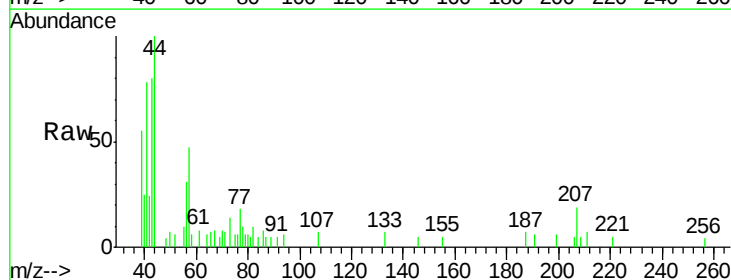
Instrument :
MSVOA_F
ClientSampleId :

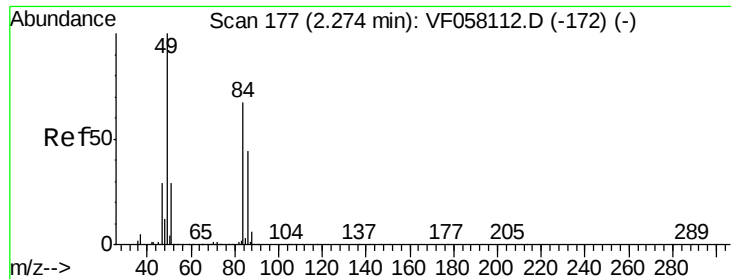
Tot Ion: 43 Resp: 57199
Ion Ratio Lower Upper
43 100
58 12.0 14.4 21.6#



#18
Methyl Acetate
Concen: 4.038 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

Tgt Ion: 43 Resp: 4488
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#

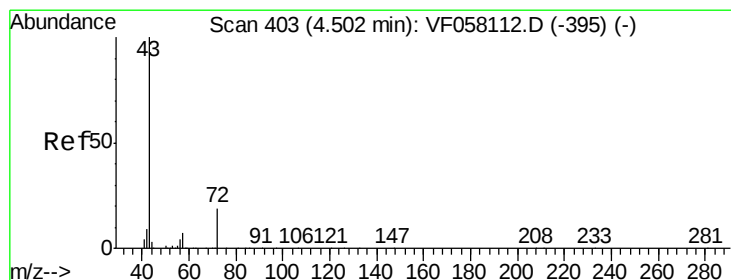
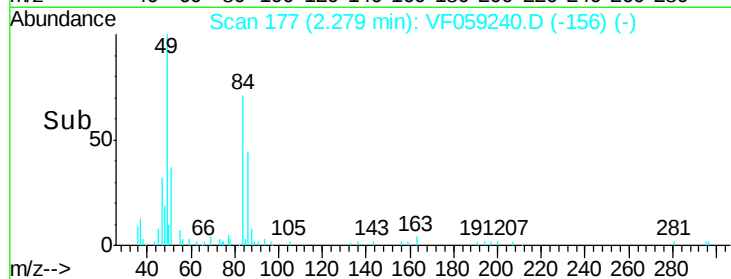
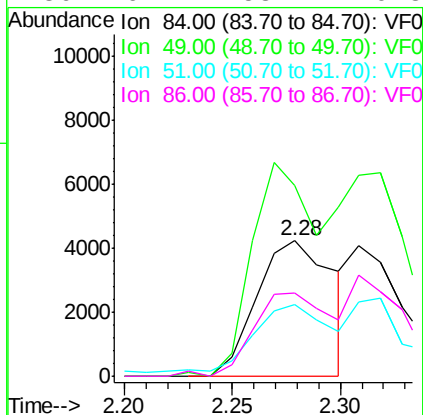
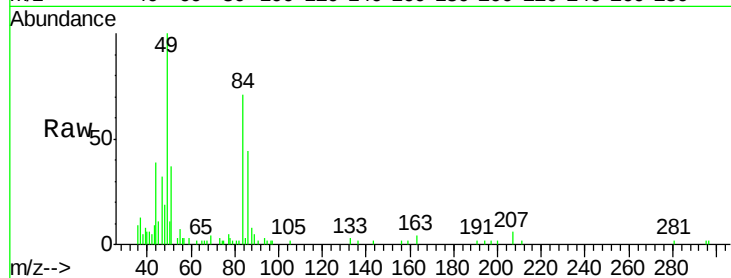




#20
Methvlene Chloride
Concen: 6.723 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

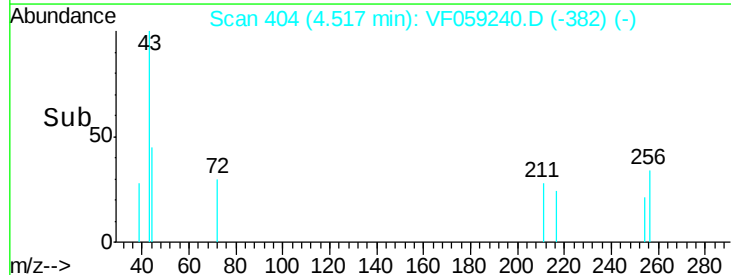
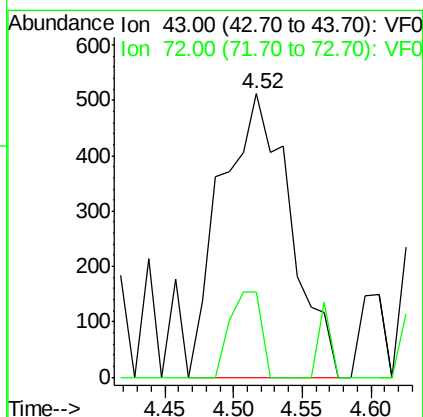
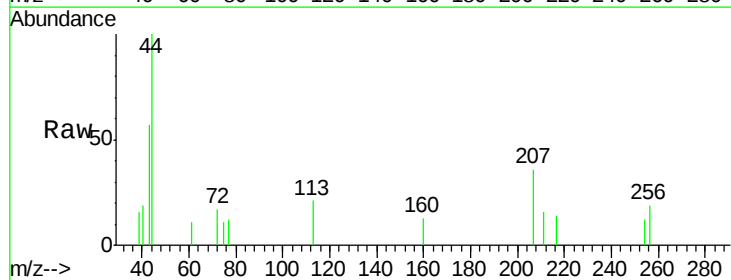
Instrument :
MSVOA_F
ClientSampled :

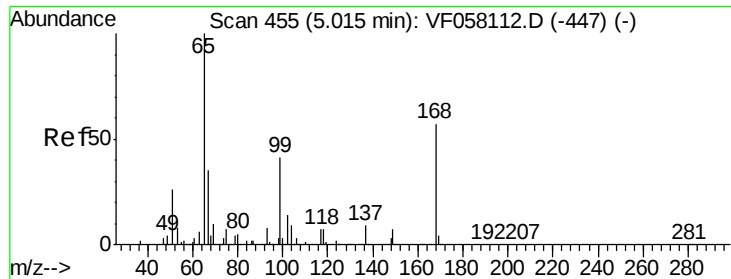
Tot Ion: 84 Resp: 10407
Ion Ratio Lower Upper
84 100
49 140.8 121.0 181.4
51 52.6 35.8 53.6
86 61.7 53.2 79.8



#25
2-Butanone
Concen: 1.792 ug/l
RT: 4.52 min Scan# 404
Delta R.T. 0.01 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

Tgt Ion: 43 Resp: 1796
Ion Ratio Lower Upper
43 100
72 30.1 16.1 24.1#

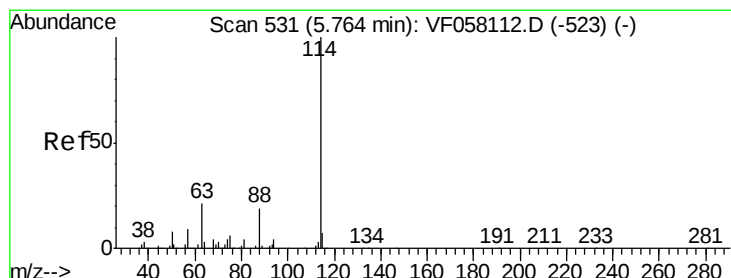
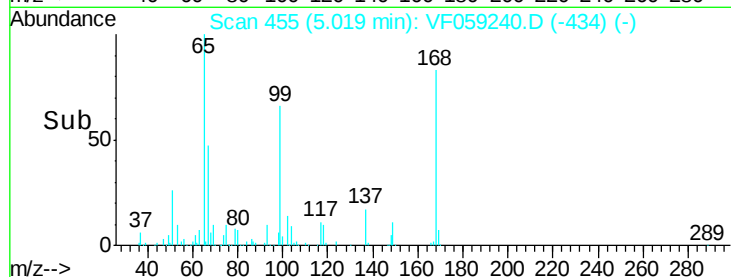
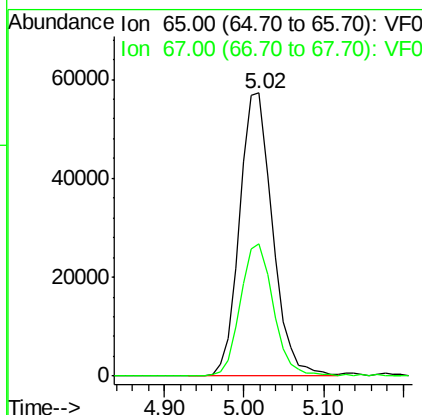
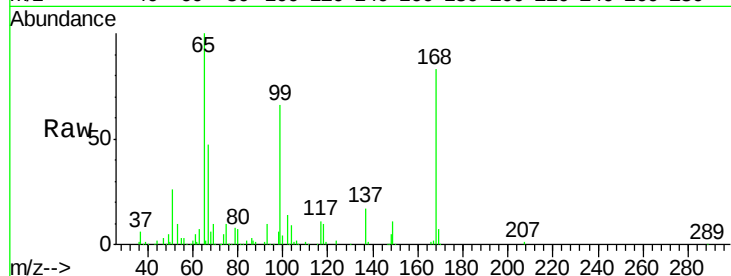




#33
 1,2-Dichloroethane-d4
 Concen: 60.676 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059240.D
 Acq: 20 Jun 2018 21:55

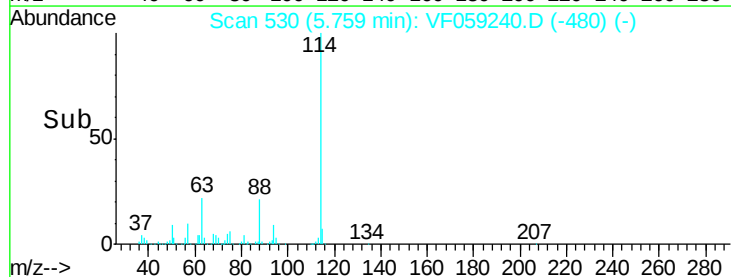
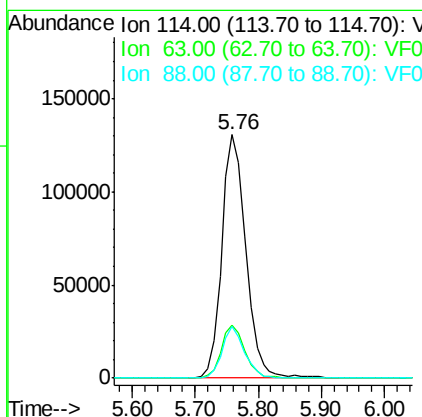
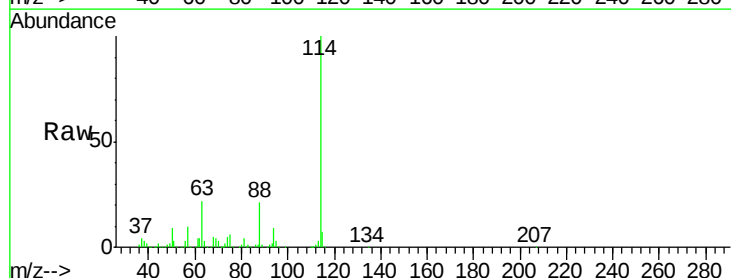
Instrument :
 MSVOA_F
 ClientSampleId :

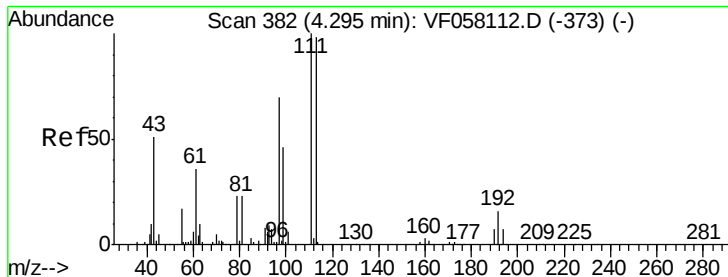
Tot Ion: 65 Resp: 164289
 Ion Ratio Lower Upper
 65 100
 67 46.8 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059240.D
 Acq: 20 Jun 2018 21:55

Tgt Ion: 114 Resp: 347393
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.6
 88 21.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 59.286 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059240.D

Acq: 20 Jun 2018 21:55

Instrument :
MSVOA_F
ClientSampled :

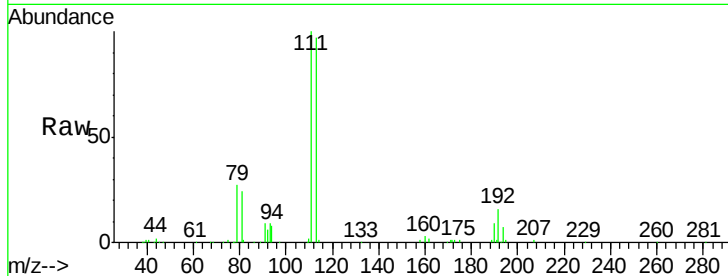
Tot Ion:113 Resp: 144514

Ion Ratio Lower Upper

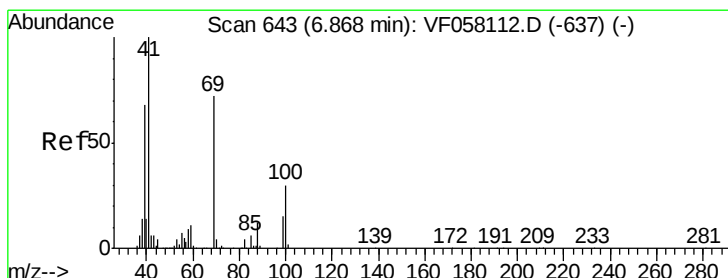
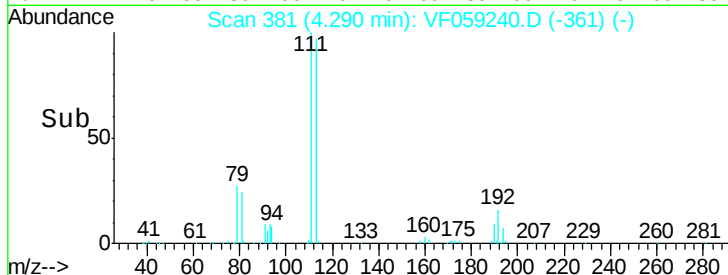
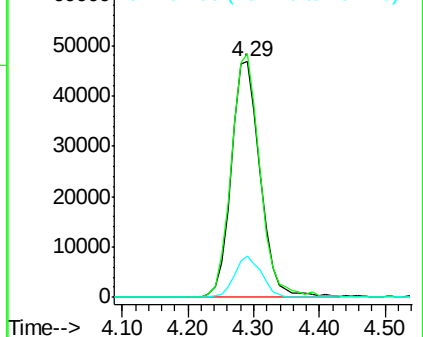
113 100

111 103.4 81.3 121.9

192 17.4 12.7 19.1



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: 19.129 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF059240.D

Acq: 20 Jun 2018 21:55

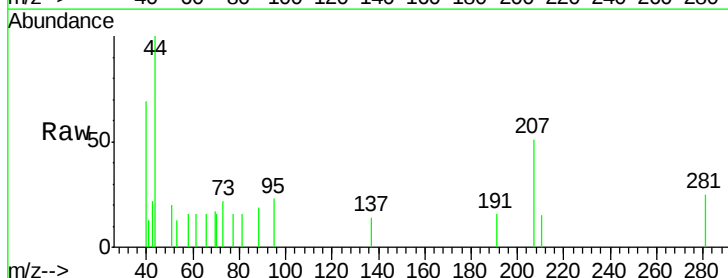
Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

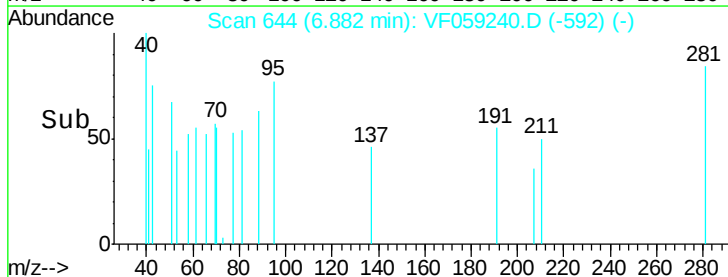
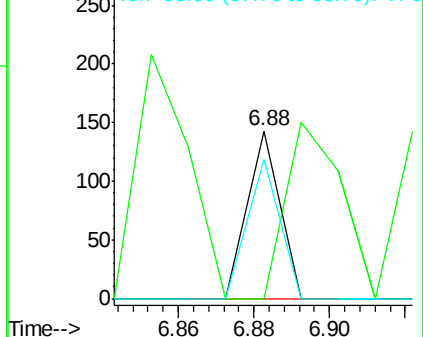
88 100

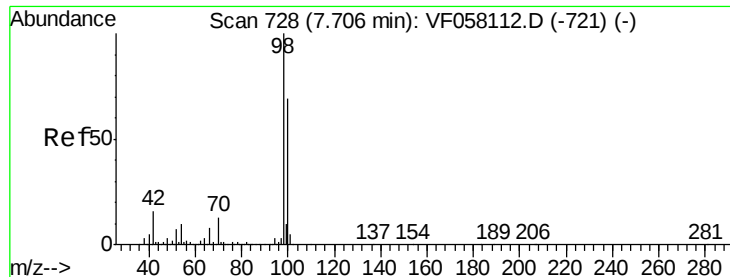
43 0.0 47.8 71.8#

58 83.2 59.4 89.0



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

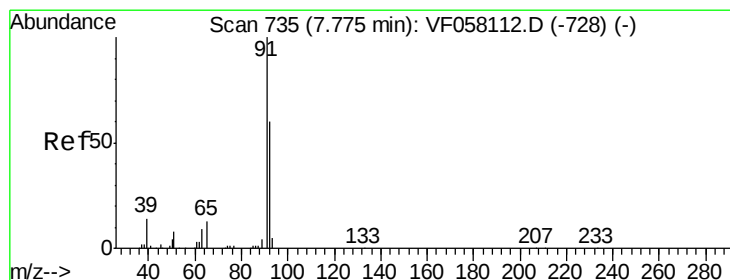
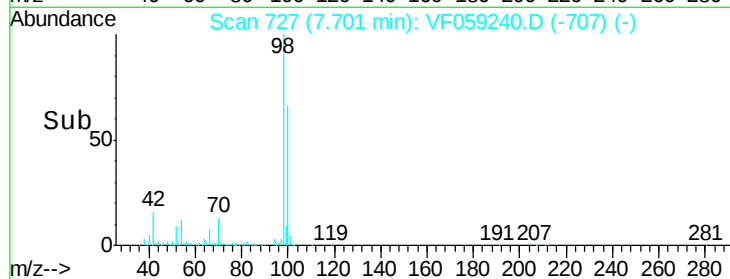
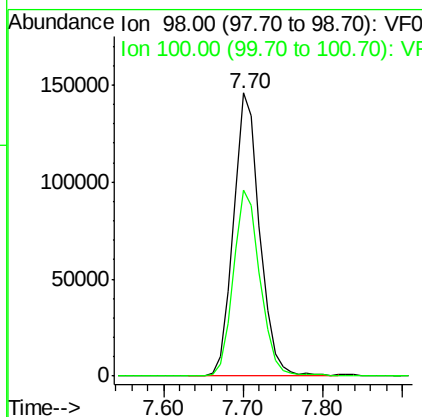
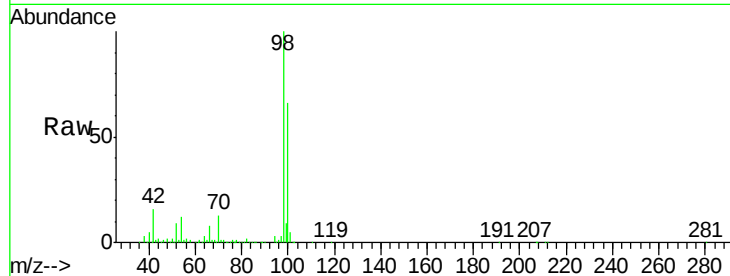




#50
Toluene-d8
Concen: 46.875 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

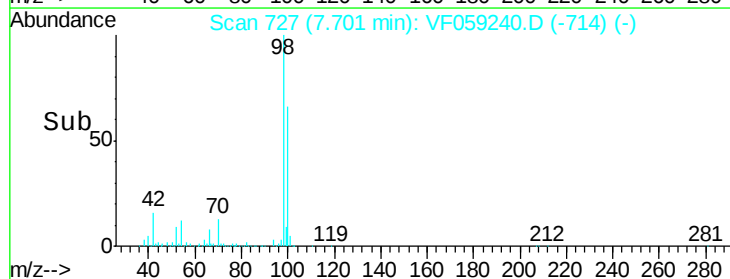
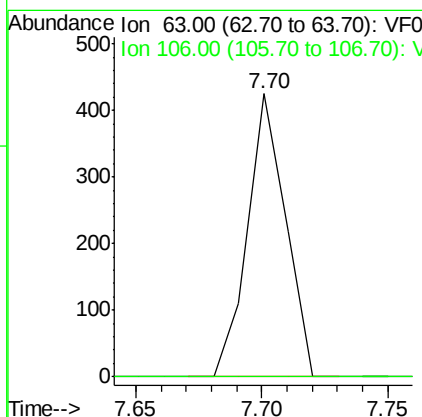
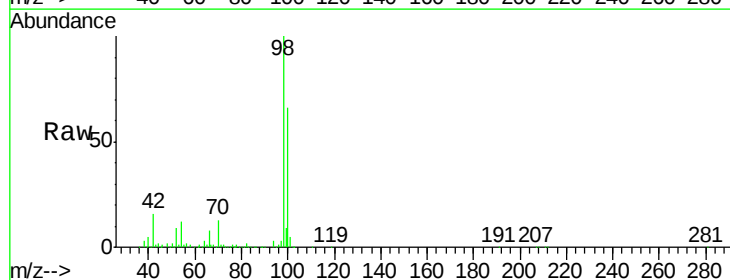
Instrument :
MSVOA_F
ClientSampleId :

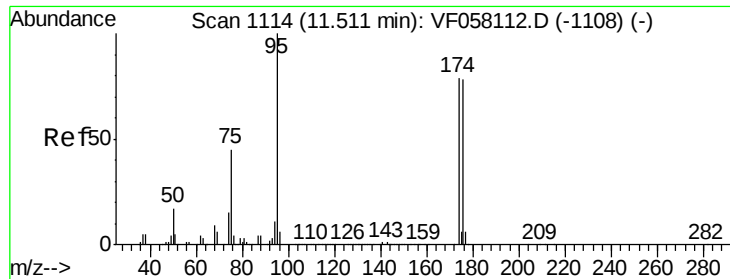
Tot Ion: 98 Resp: 335673
Ion Ratio Lower Upper
98 100
100 65.6 55.6 83.4



#58
2-Chloroethyl Vinyl ether
Concen: 2.420 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.07 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

Tgt Ion: 63 Resp: 445
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0

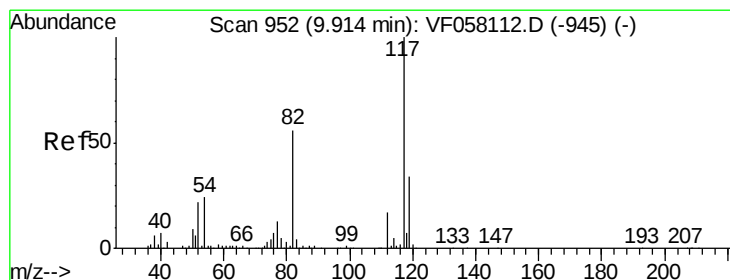
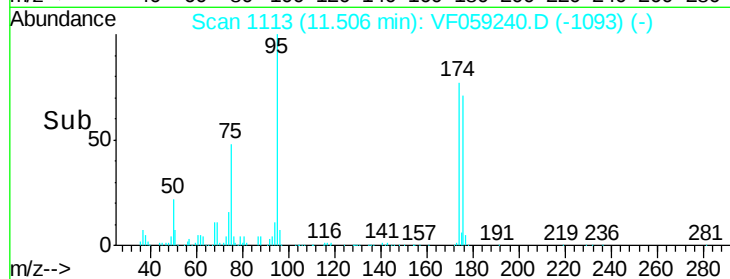
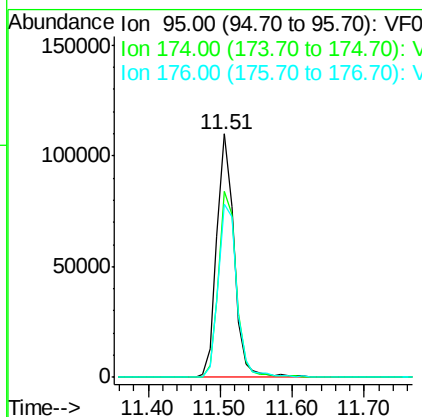
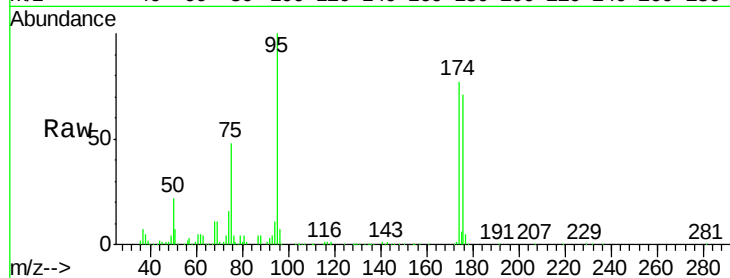




#62
4-Bromofluorobenzene
Concen: 49.401 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

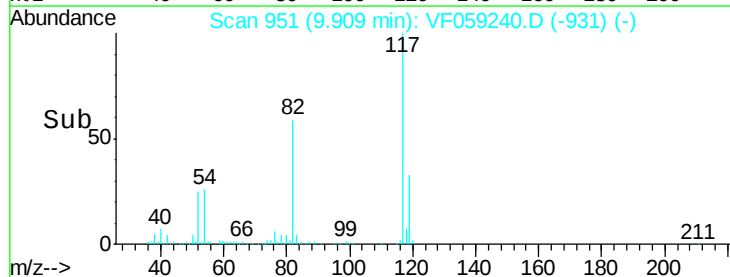
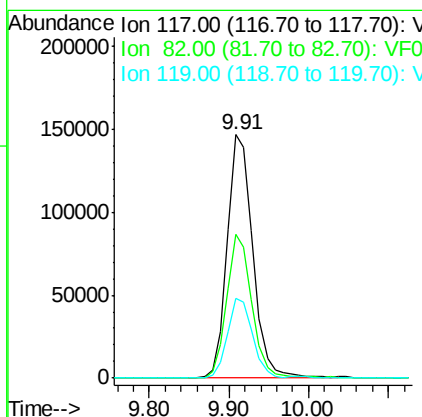
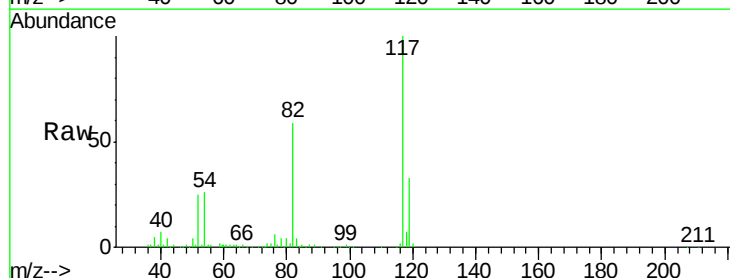
Instrument :
MSVOA_F
ClientSampled :

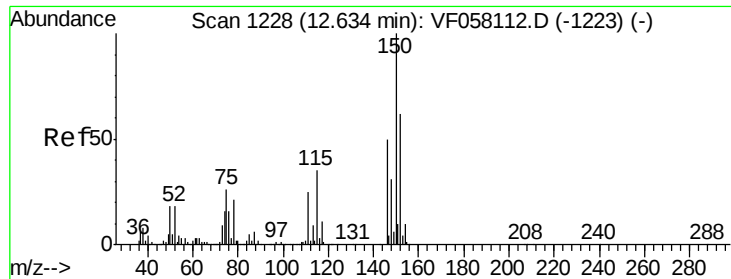
Tot Ion: 95 Resp: 181448
Ion Ratio Lower Upper
95 100
174 76.6 0.0 157.8
176 71.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059240.D
Acq: 20 Jun 2018 21:55

Tgt Ion: 117 Resp: 333200
Ion Ratio Lower Upper
117 100
82 58.8 45.2 67.8
119 32.8 27.5 41.3





#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059240.D
 Acq: 20 Jun 2018 21:55

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.5	85.5
150	161.6	0.0	323.8

