

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
 Data File : VF059180.D
 Acq On : 18 Jun 2018 17:20
 Operator : VA/AP
 Sample : J3566-19
 Misc : 5.53g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-6-D

Quant Time: Jun 19 02:56:55 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	262829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	406671	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	387905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	229891	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	181486	56.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.88%	
35) Dibromofluoromethane	4.29	113	167783	58.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.60%	
50) Toluene-d8	7.71	98	415673	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.50	95	214167	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	

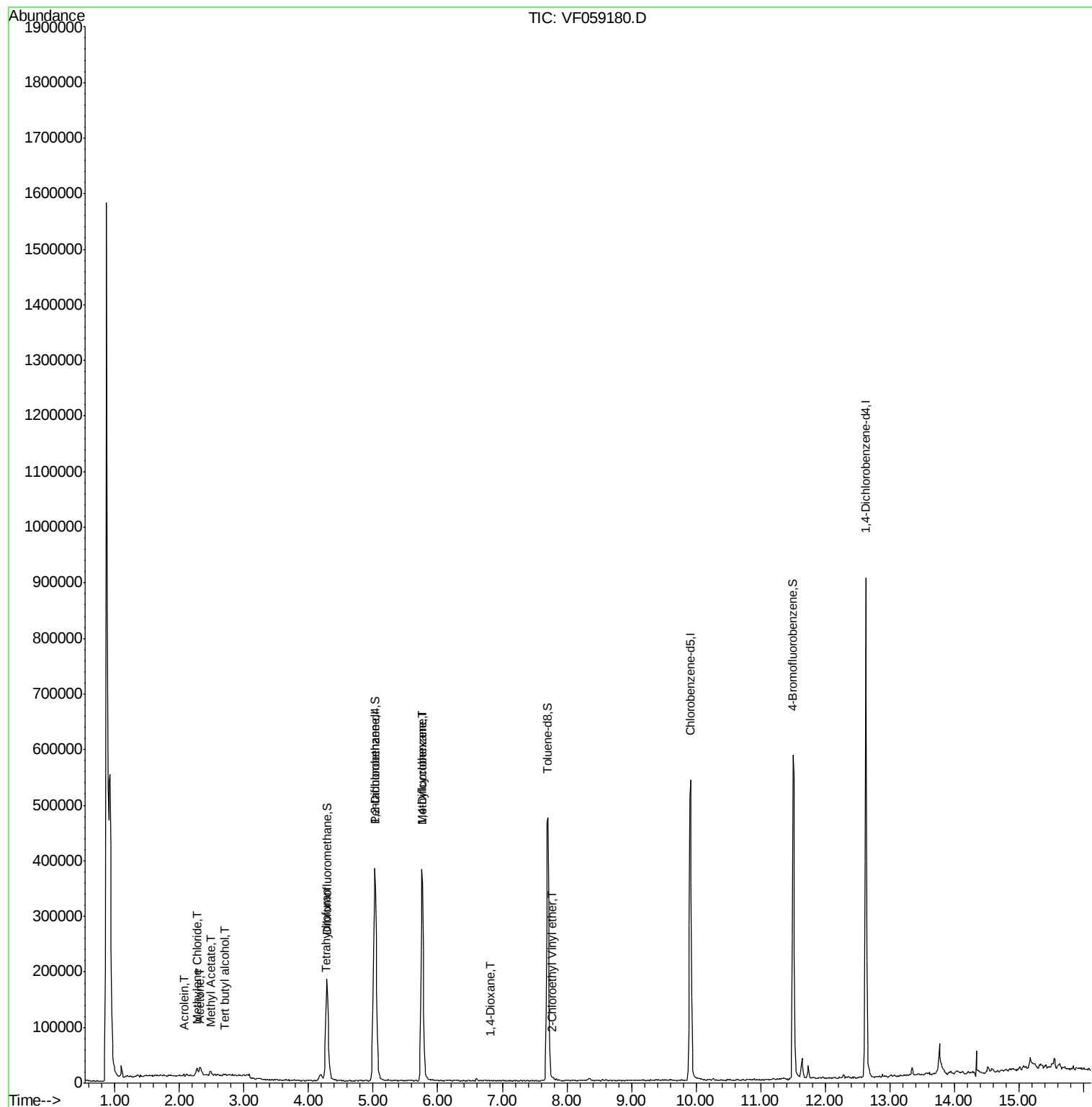
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	955	4.676	ug/l #	1
13) Acrolein	2.07	56	1070	6.053	ug/l #	35
16) Acetone	2.33	43	14312	18.805	ug/l	94
18) Methyl Acetate	2.48	43	3748	2.865	ug/l #	90
20) Methylene Chloride	2.28	84	4228	2.320	ug/l	94
29) Tetrahydrofuran	4.26	42	1365	2.626	ug/l #	52
39) Methylcyclohexane	5.75	83	4175	1.039	ug/l #	48
49) 1,4-Dioxane	6.83	88	85	18.253	ug/l #	13
58) 2-Chloroethyl Vinyl ether	7.79	63	376	1.747	ug/l	100
89) n-Butylbenzene	12.91	91	1473	Below Cal	#	63

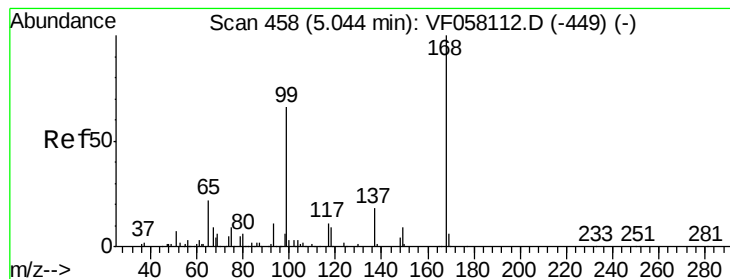
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059180.D

Acq: 18 Jun 2018 17:20

Instrument :

MSVOA_F

ClientSampleId :

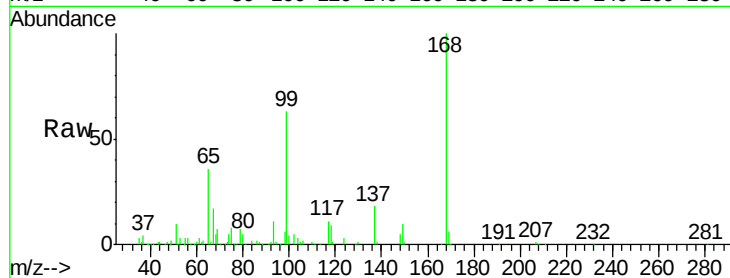
TP-6-D

Tgt Ion:168 Resp: 262829

Ion Ratio Lower Upper

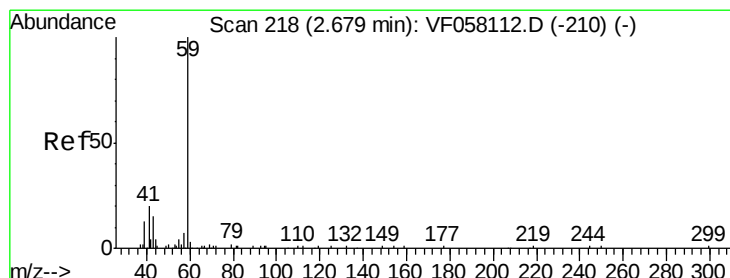
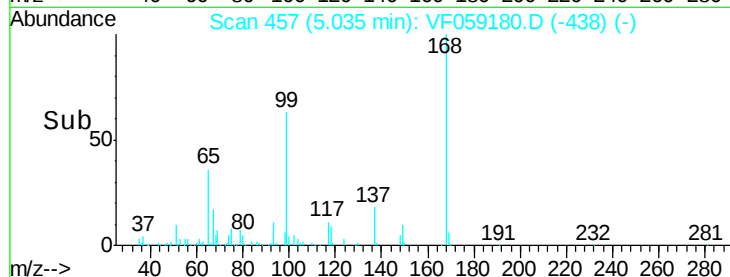
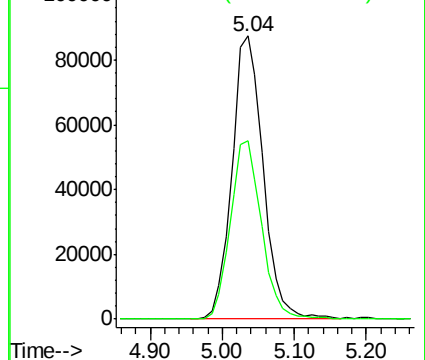
168 100

99 63.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 4.676 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.02 min

Lab File: VF059180.D

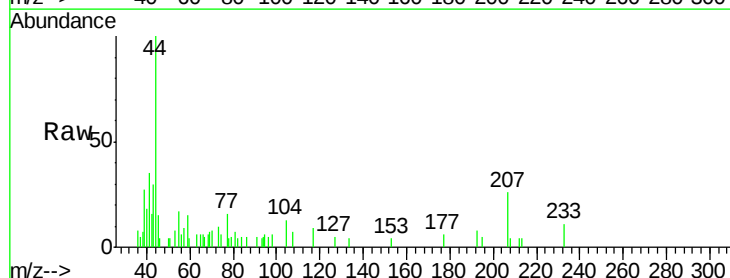
Acq: 18 Jun 2018 17:20

Tgt Ion: 59 Resp: 955

Ion Ratio Lower Upper

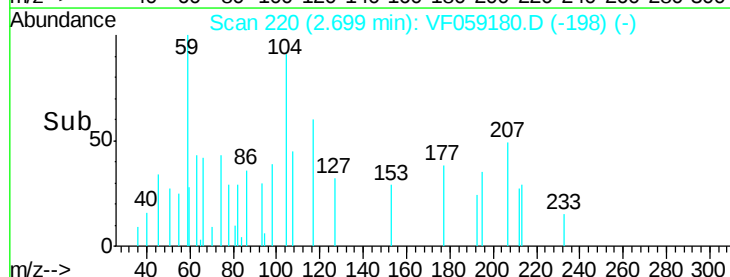
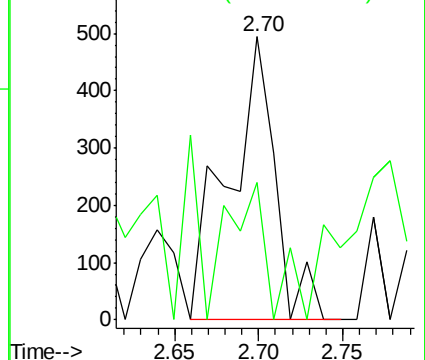
59 100

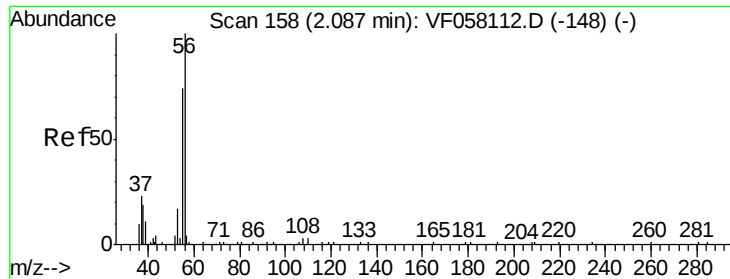
57 48.6 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 6.053 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF059180.D

Acq: 18 Jun 2018 17:20

Instrument :

MSVOA_F

ClientSampleId :

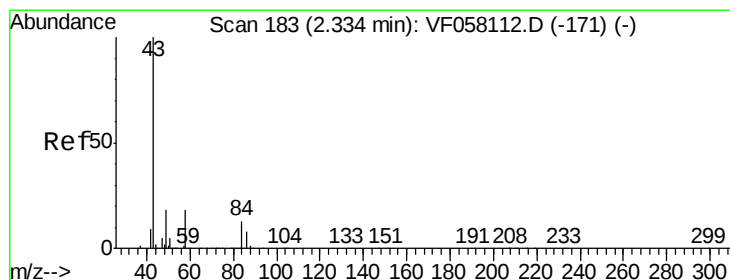
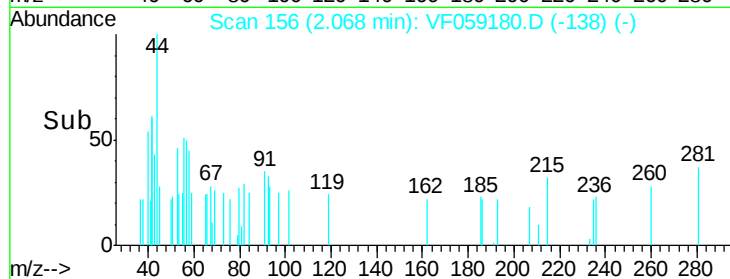
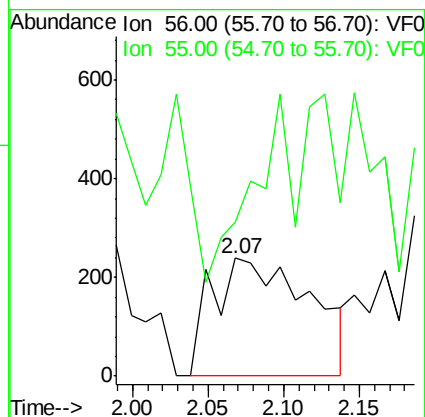
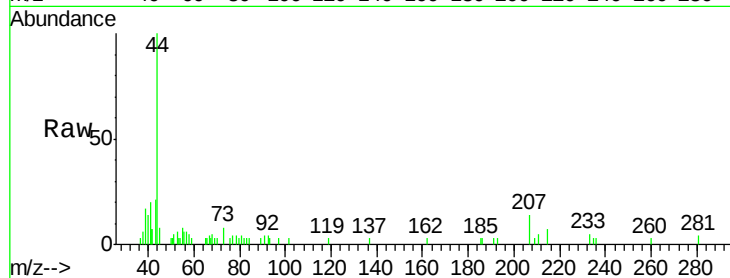
TP-6-D

Tgt Ion: 56 Resp: 1070

Ion Ratio Lower Upper

56 100

55 130.1 60.0 90.0#



#16

Acetone

Concen: 18.805 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059180.D

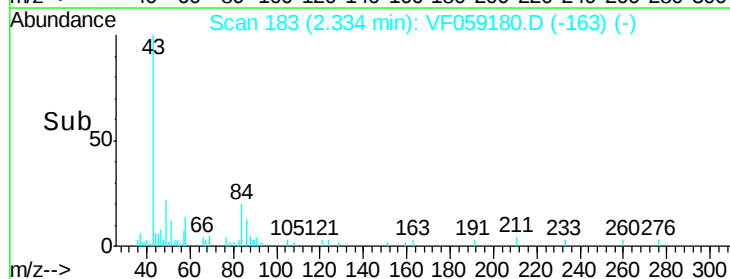
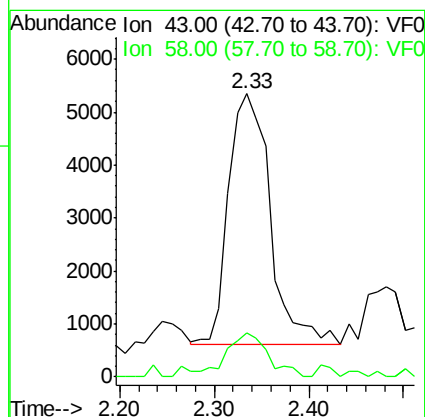
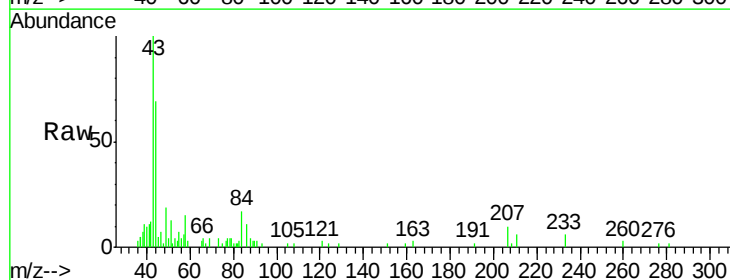
Acq: 18 Jun 2018 17:20

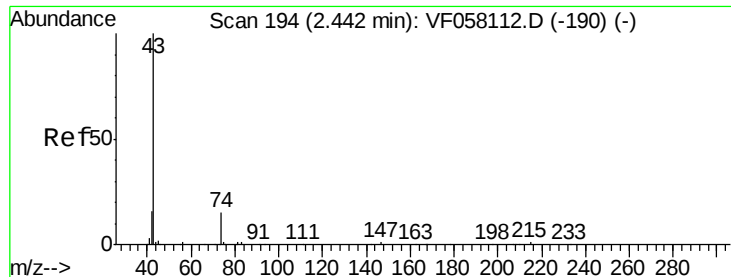
Tgt Ion: 43 Resp: 14312

Ion Ratio Lower Upper

43 100

58 15.4 14.4 21.6

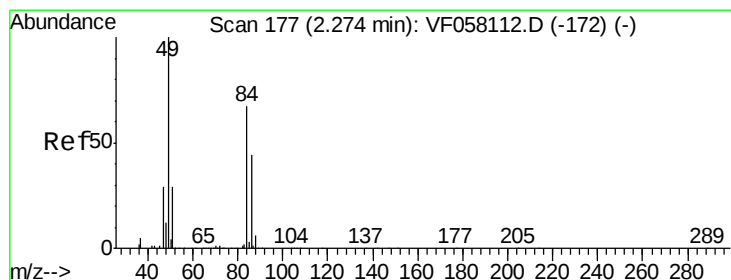
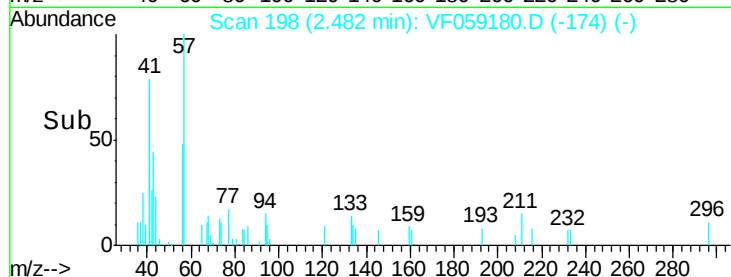
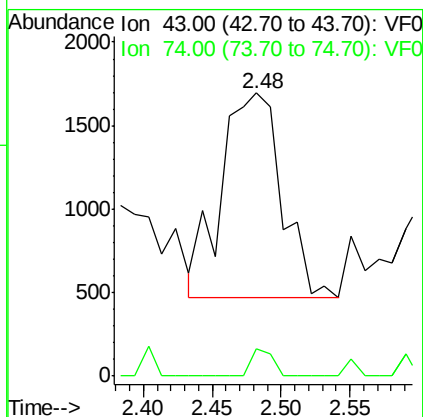
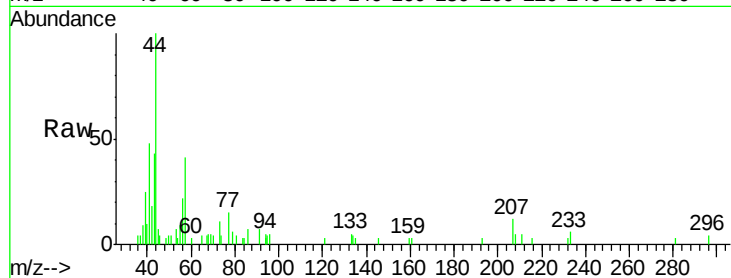




#18
Methyl Acetate
Concen: 2.865 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059180.D
Acq: 18 Jun 2018 17:20

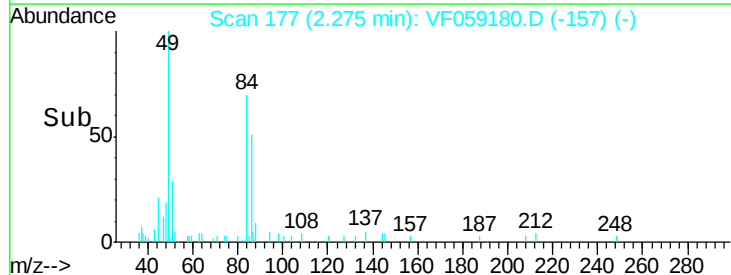
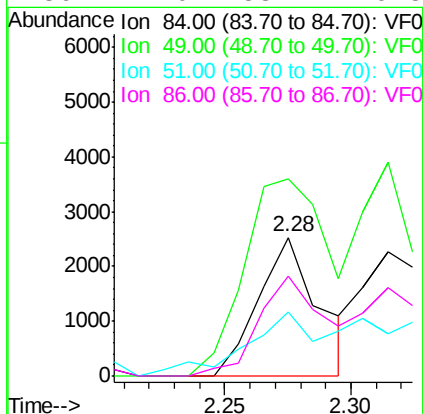
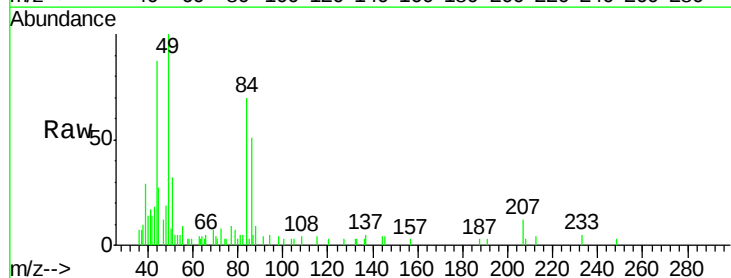
Instrument :
MSVOA_F
ClientSampleId :
TP-6-D

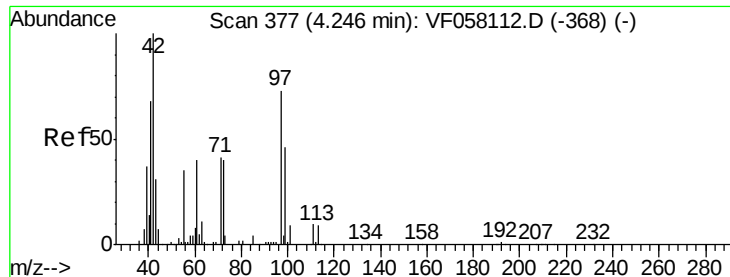
Tgt Ion: 43 Resp: 3748
Ion Ratio Lower Upper
43 100
74 9.7 10.9 16.3#



#20
Methylene Chloride
Concen: 2.320 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059180.D
Acq: 18 Jun 2018 17:20

Tgt Ion: 84 Resp: 4228
Ion Ratio Lower Upper
84 100
49 142.3 121.0 181.4
51 45.8 35.8 53.6
86 72.0 53.2 79.8





#29

Tetrahydrofuran

Concen: 2.626 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059180.D

Acq: 18 Jun 2018 17:20

Instrument :

MSVOA_F

ClientSampled :

TP-6-D

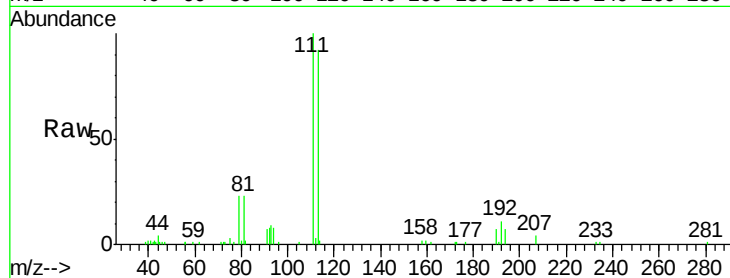
Tgt Ion: 42 Resp: 1365

Ion Ratio Lower Upper

42 100

72 19.5 30.5 45.7#

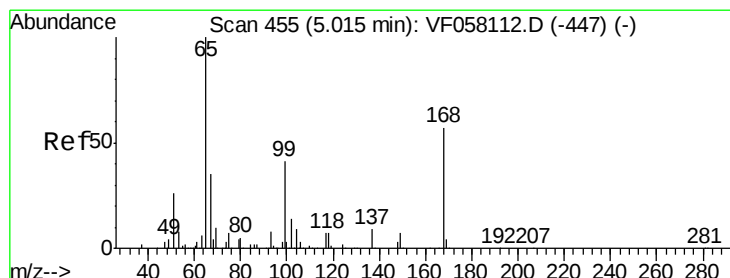
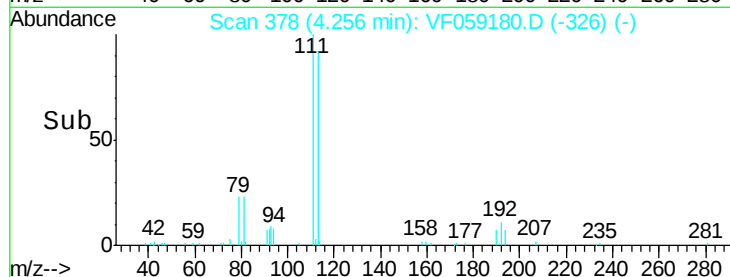
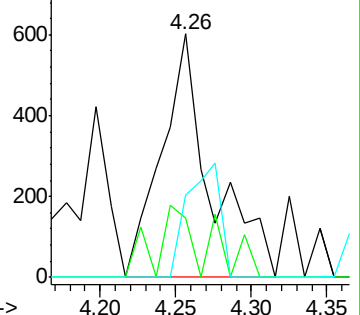
71 0.0 31.5 47.3#



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: 56.935 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059180.D

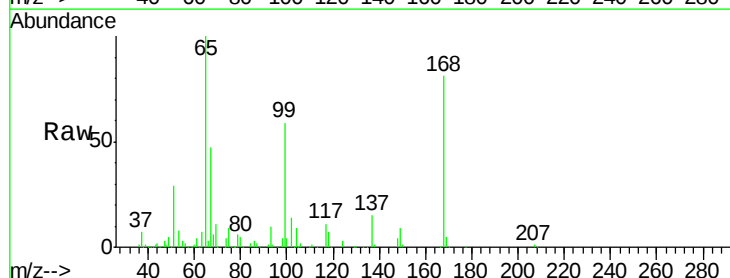
Acq: 18 Jun 2018 17:20

Tgt Ion: 65 Resp: 181486

Ion Ratio Lower Upper

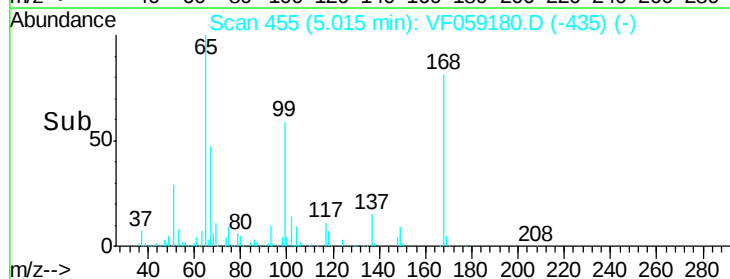
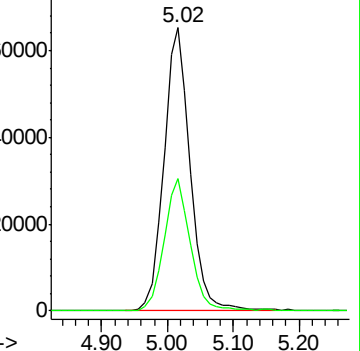
65 100

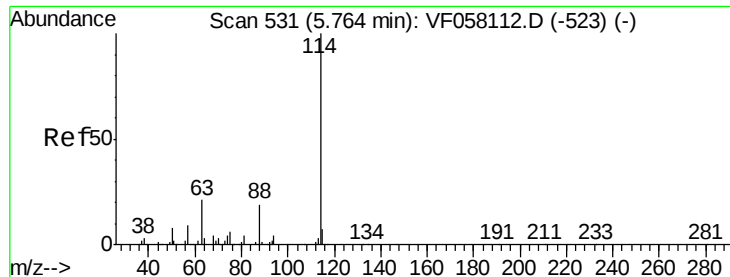
67 46.5 0.0 97.0



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: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059180.D

Acq: 18 Jun 2018 17:20

Instrument :

MSVOA_F

ClientSampleId :

TP-6-D

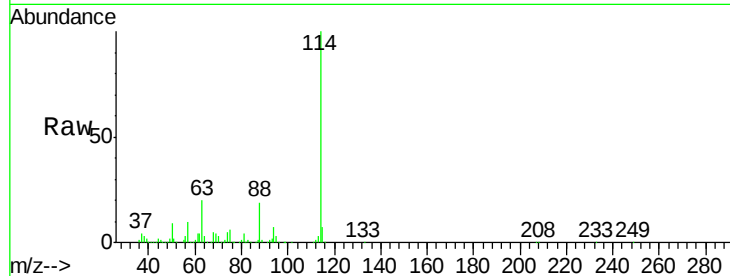
Tgt Ion:114 Resp: 406671

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

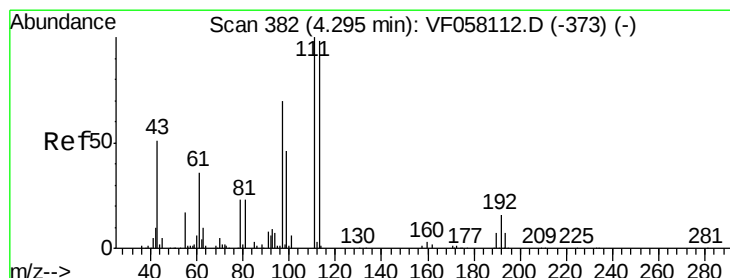
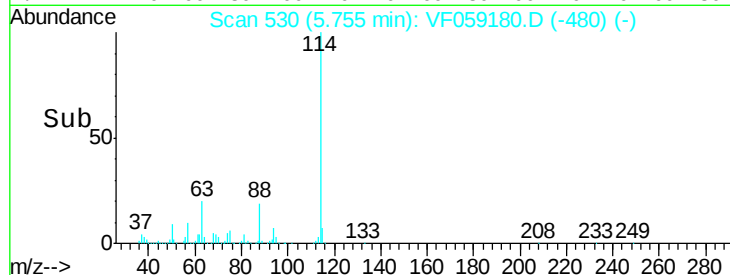
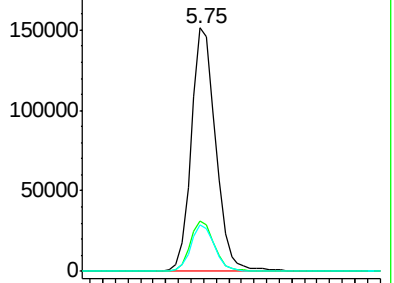
88 19.2 0.0 38.8



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: 58.799 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059180.D

Acq: 18 Jun 2018 17:20

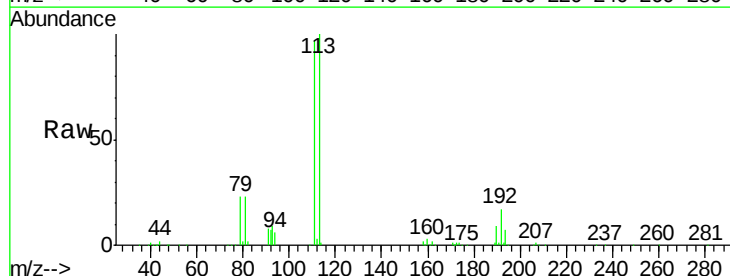
Tgt Ion:113 Resp: 167783

Ion Ratio Lower Upper

113 100

111 97.0 81.3 121.9

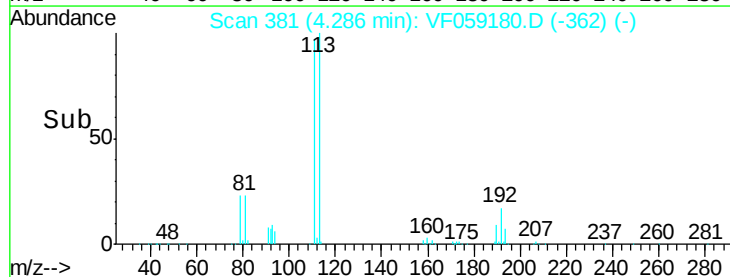
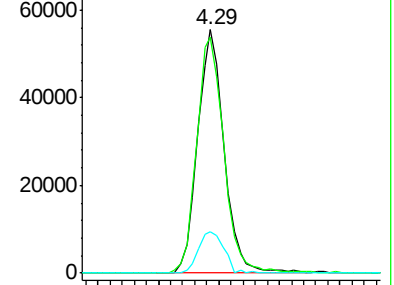
192 17.1 12.7 19.1

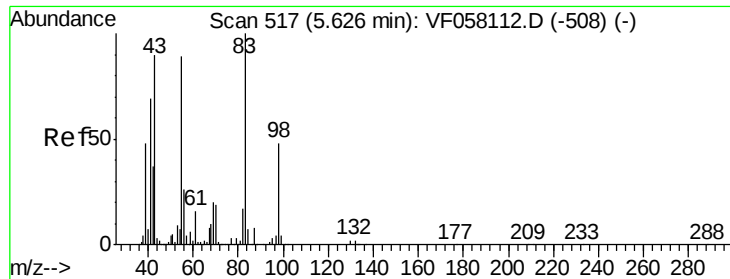


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

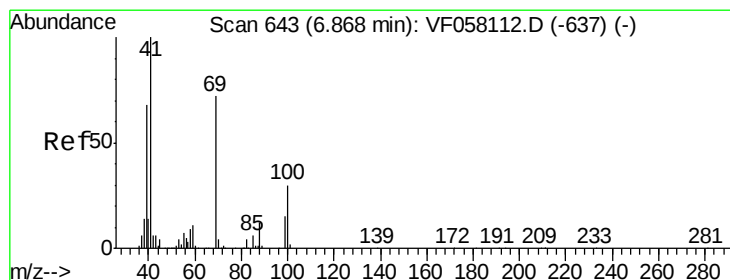
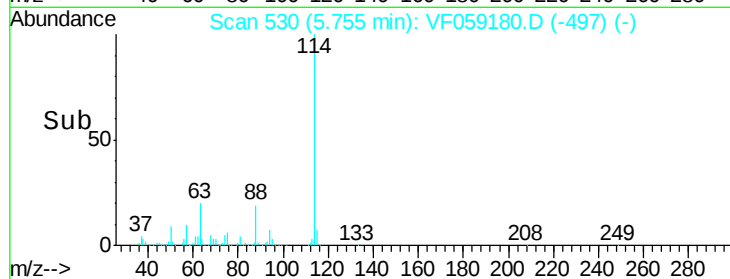
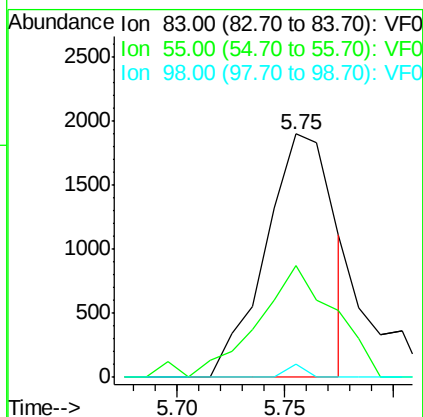
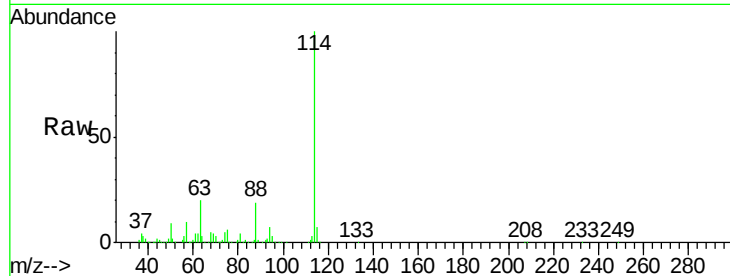




#39
Methylcyclohexane
Concen: 1.039 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059180.D
Acq: 18 Jun 2018 17:20

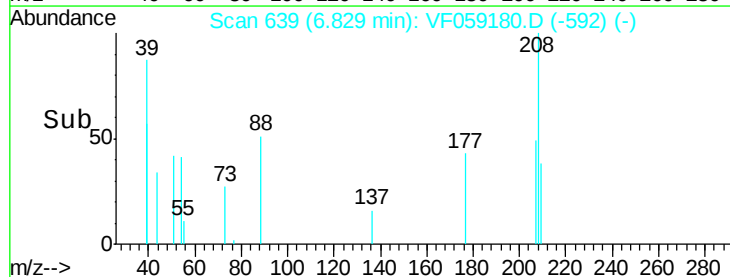
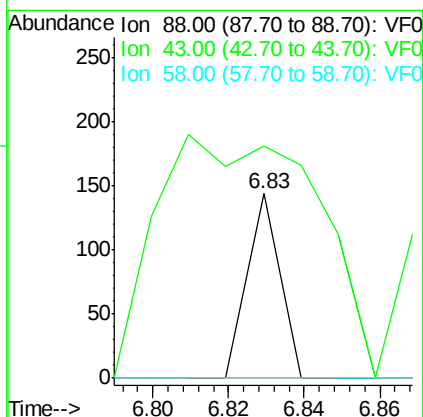
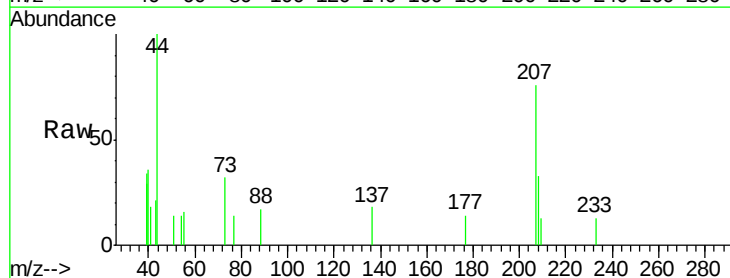
Instrument :
MSVOA_F
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TP-6-D

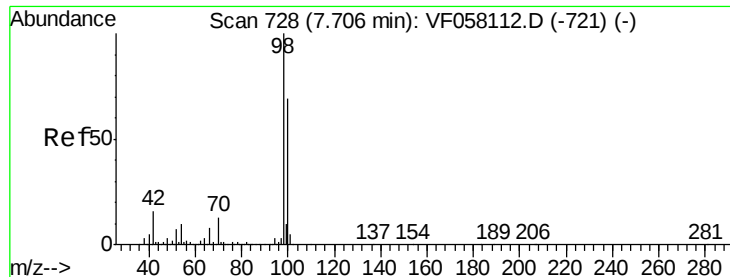
Tgt Ion: 83 Resp: 4175
Ion Ratio Lower Upper
83 100
55 45.8 71.0 106.4#
98 5.3 38.1 57.1#



#49
1,4-Dioxane
Concen: 18.253 ug/l
RT: 6.83 min Scan# 639
Delta R.T. -0.04 min
Lab File: VF059180.D
Acq: 18 Jun 2018 17:20

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 125.7 47.8 71.8#
58 0.0 59.4 89.0#

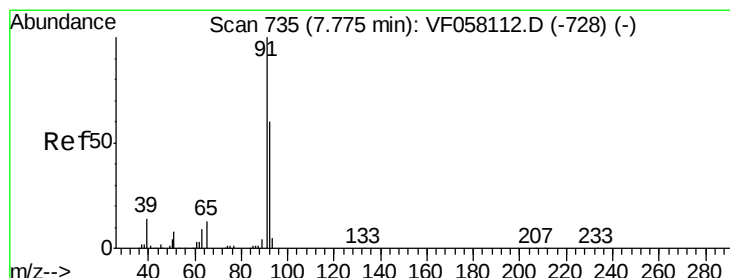
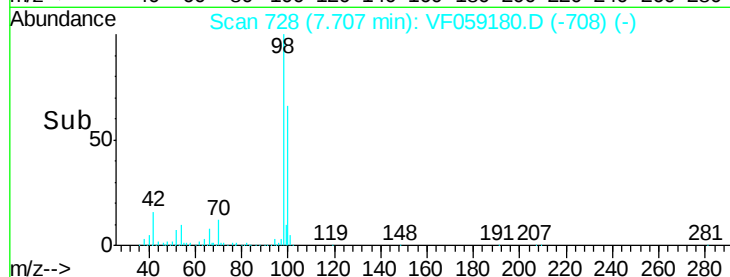
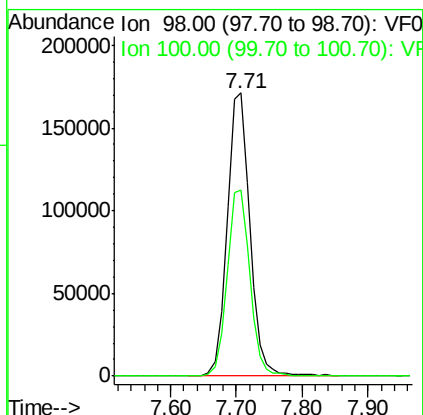
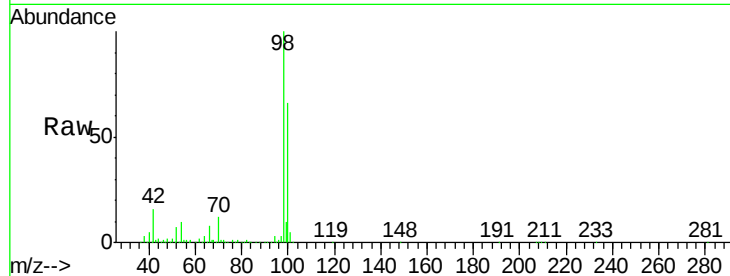




#50
Toluene-d8
Concen: 49.585 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059180.D
Acq: 18 Jun 2018 17:20

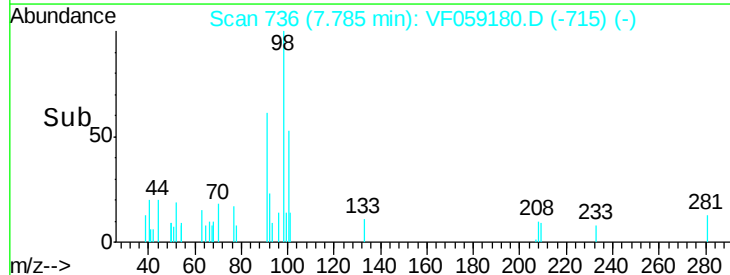
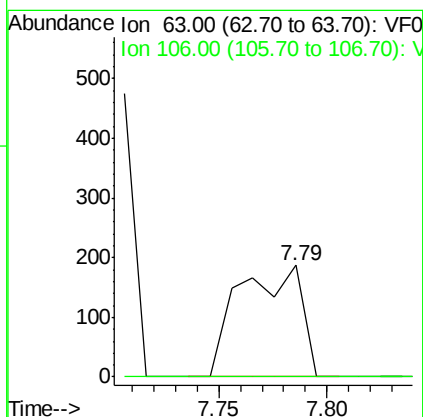
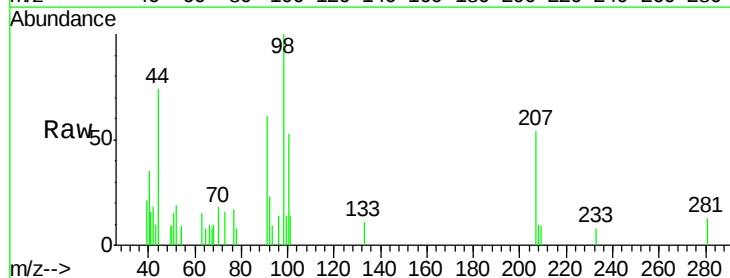
Instrument :
MSVOA_F
ClientSampleId :
TP-6-D

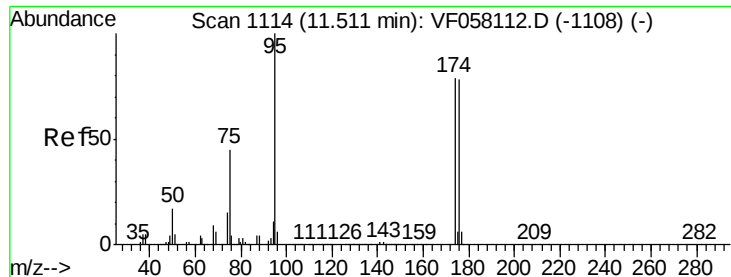
Tgt Ion: 98 Resp: 415673
Ion Ratio Lower Upper
98 100
100 65.6 55.6 83.4



#58
2-Chloroethyl Vinyl ether
Concen: 1.747 ug/l
RT: 7.79 min Scan# 736
Delta R.T. 0.01 min
Lab File: VF059180.D
Acq: 18 Jun 2018 17:20

Tgt Ion: 63 Resp: 376
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0

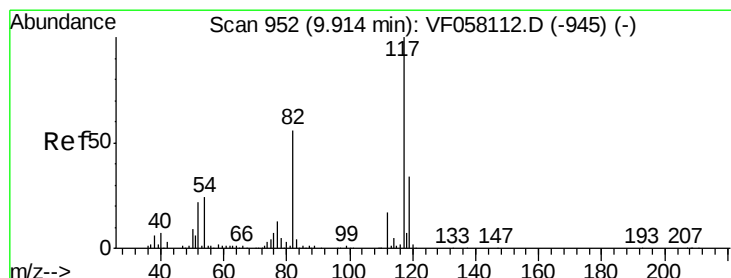
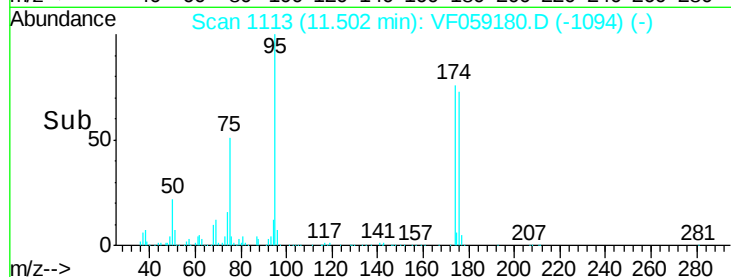
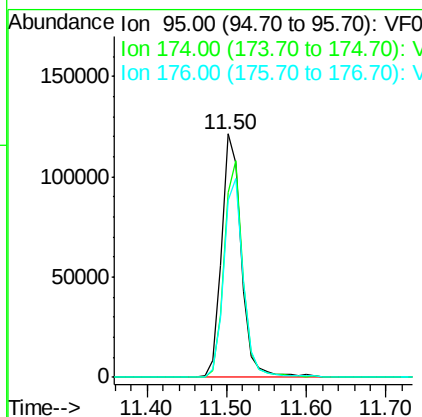
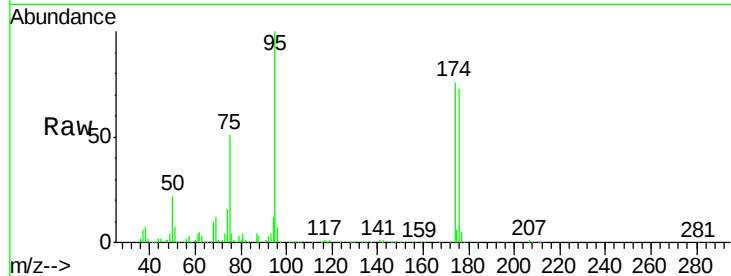




#62
4-Bromofluorobenzene
Concen: 49.810 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059180.D
Acq: 18 Jun 2018 17:20

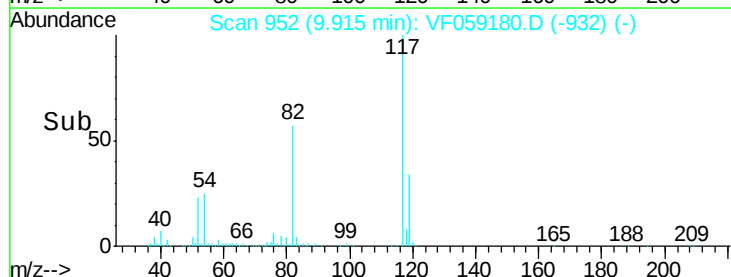
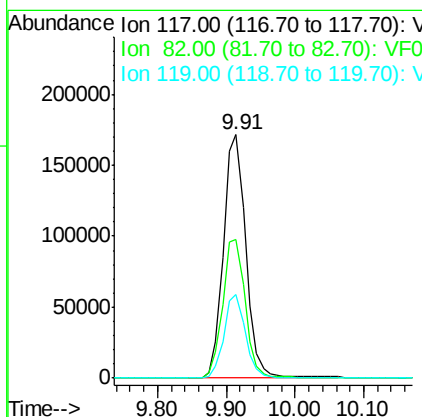
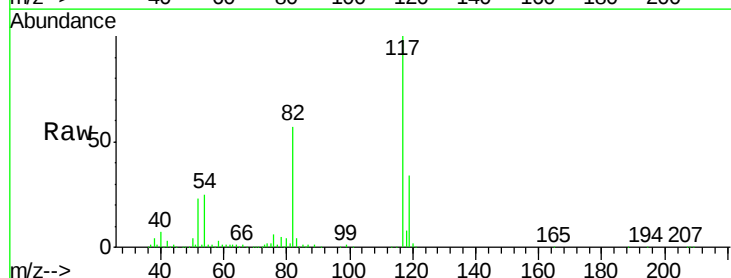
Instrument :
MSVOA_F
ClientSampleId :
TP-6-D

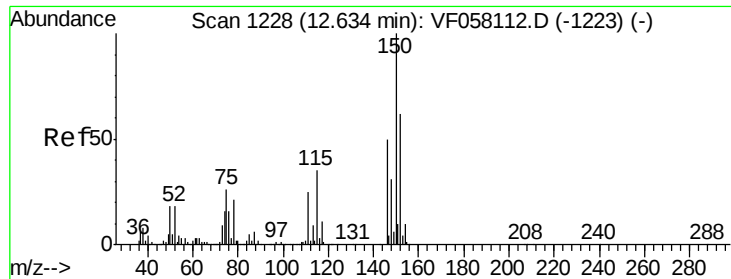
Tgt Ion: 95 Resp: 214167
Ion Ratio Lower Upper
95 100
174 75.6 0.0 157.8
176 72.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059180.D
Acq: 18 Jun 2018 17:20

Tgt Ion: 117 Resp: 387905
Ion Ratio Lower Upper
117 100
82 57.1 45.2 67.8
119 34.4 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: VF059180.D

Acq: 18 Jun 2018 17:20

Instrument :

MSVOA_F

ClientSampleId :

TP-6-D

Tgt Ion:152 Resp: 229891

Ion Ratio Lower Upper

152 100

115 60.9 28.5 85.5

150 149.2 0.0 323.8

