

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
 Data File : VF059181.D
 Acq On : 18 Jun 2018 17:48
 Operator : VA/AP
 Sample : J3567-03
 Misc : 5.33g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5-S

Quant Time: Jun 19 02:57:05 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	270583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	409080	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	384151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	224006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	183919	56.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.10%	
35) Dibromofluoromethane	4.29	113	161676	56.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.66%	
50) Toluene-d8	7.70	98	410588	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.50	95	208714	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	

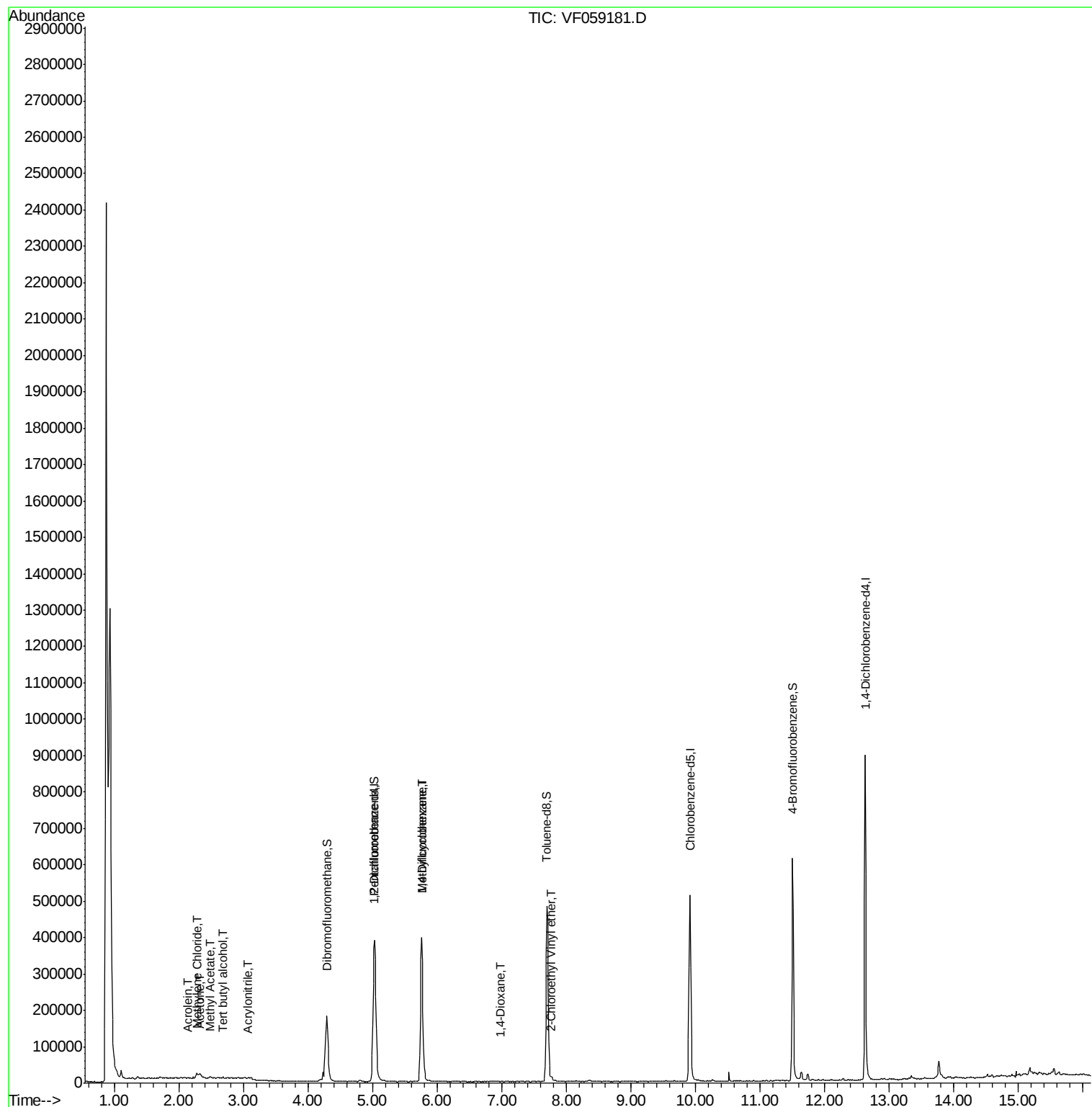
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	837	3.981	ug/l #	1
13) Acrolein	2.13	56	523	2.874	ug/l	85
15) Acrylonitrile	3.07	53	514	1.231	ug/l #	11
16) Acetone	2.34	43	8059	10.286	ug/l	97
18) Methyl Acetate	2.48	43	3086	2.291	ug/l #	66
20) Methylene Chloride	2.27	84	4609	2.457	ug/l #	90
39) Methylcyclohexane	5.76	83	4547	1.125	ug/l #	40
49) 1,4-Dioxane	6.97	88	59	16.660	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.77	63	472	2.180	ug/l	100
89) n-Butylbenzene	12.91	91	1240	Below Cal	#	87

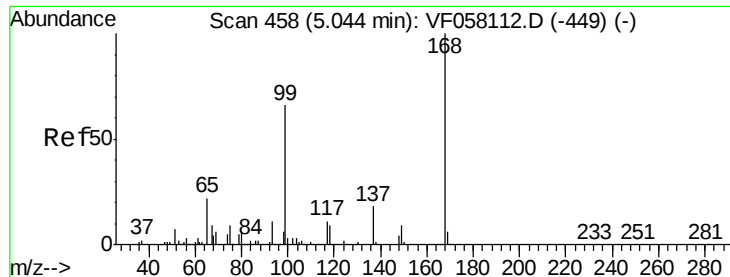
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
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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: VF059181.D

Acq: 18 Jun 2018 17:48

Instrument :

MSVOA_F

ClientSampleId :

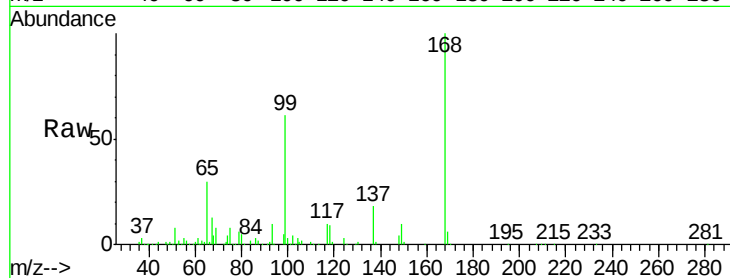
TP-5-S

Tgt Ion:168 Resp: 270583

Ion Ratio Lower Upper

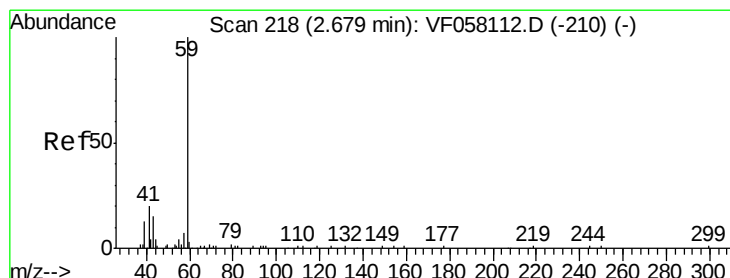
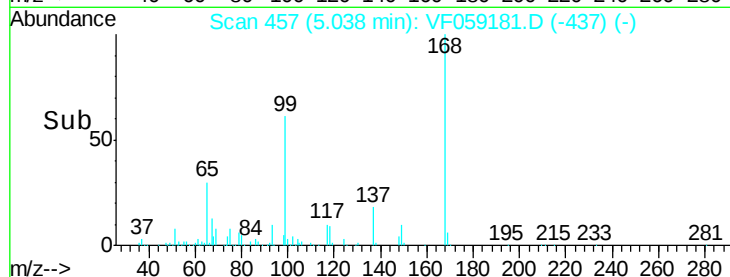
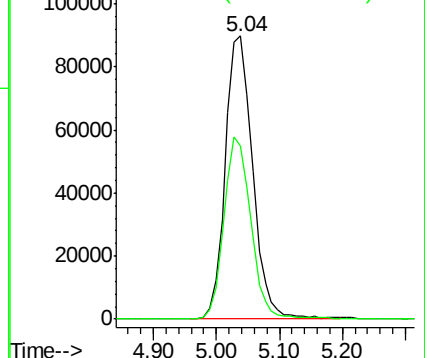
168 100

99 61.1 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 3.981 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.01 min

Lab File: VF059181.D

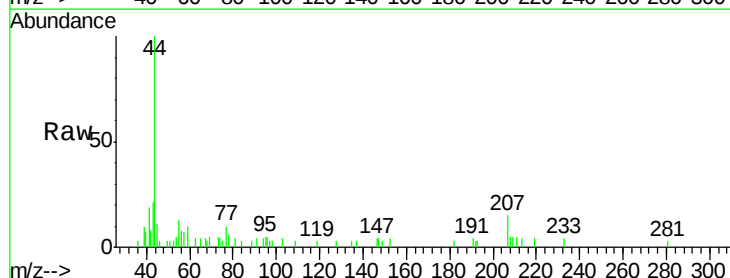
Acq: 18 Jun 2018 17:48

Tgt Ion: 59 Resp: 837

Ion Ratio Lower Upper

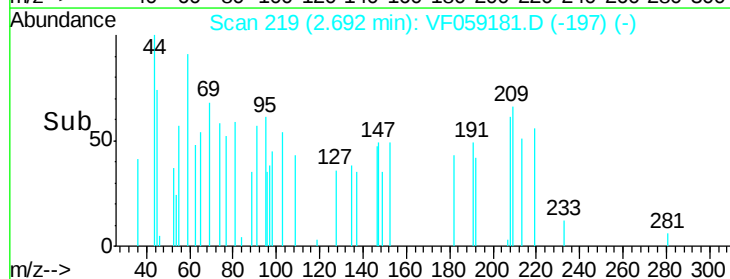
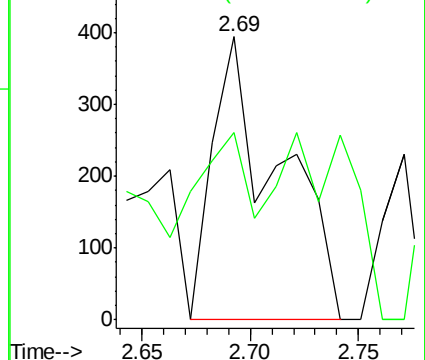
59 100

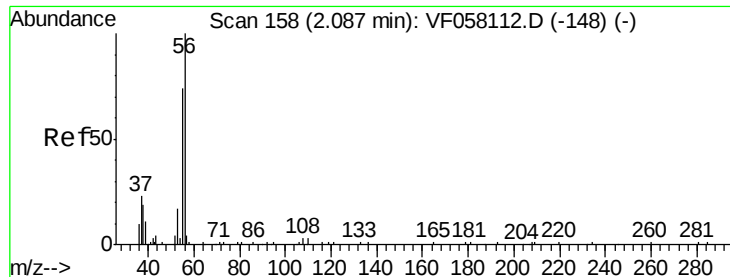
57 66.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 2.874 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.04 min

Lab File: VF059181.D

Acq: 18 Jun 2018 17:48

Instrument :

MSVOA_F

ClientSampled :

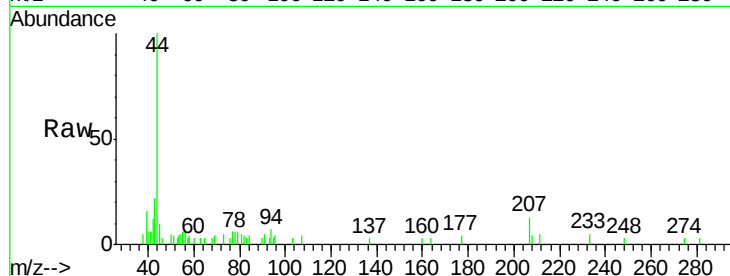
TP-5-S

Tgt Ion: 56 Resp: 523

Ion Ratio Lower Upper

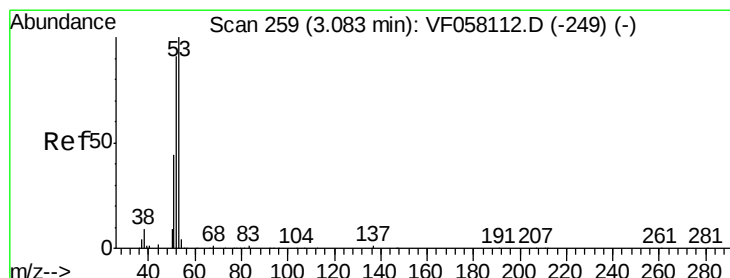
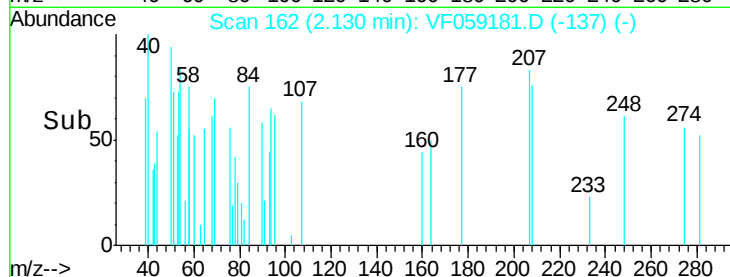
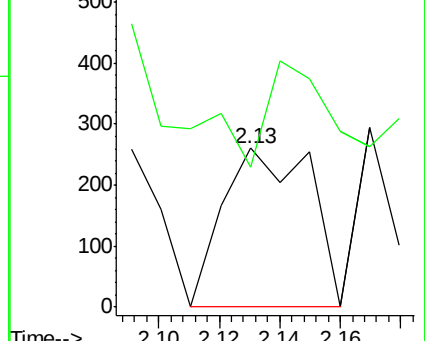
56 100

55 87.7 60.0 90.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.231 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059181.D

Acq: 18 Jun 2018 17:48

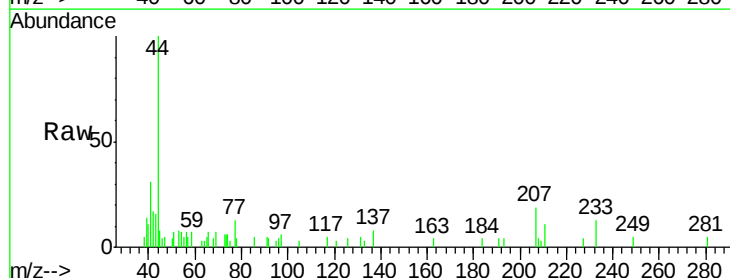
Tgt Ion: 53 Resp: 514

Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

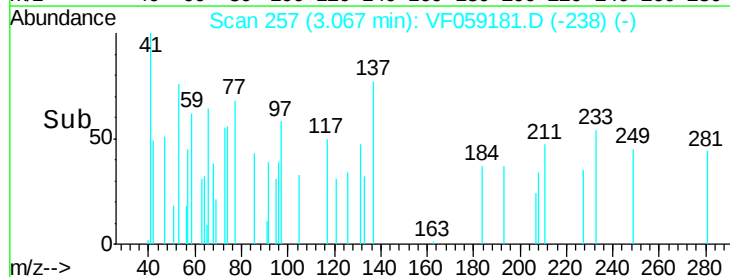
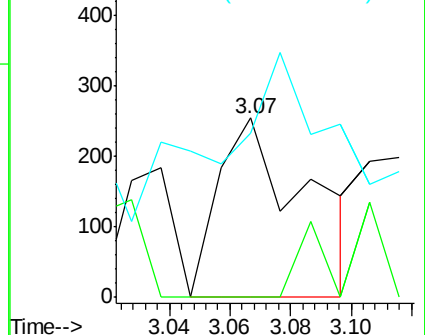
51 91.7 35.6 53.4#

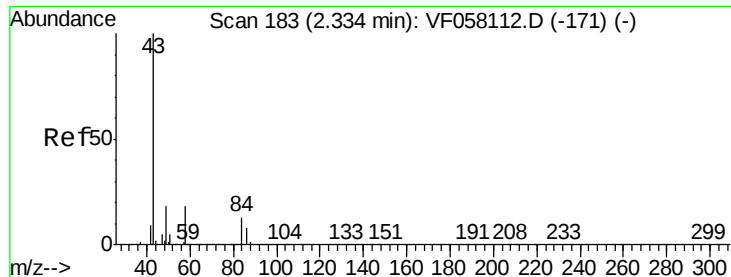


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

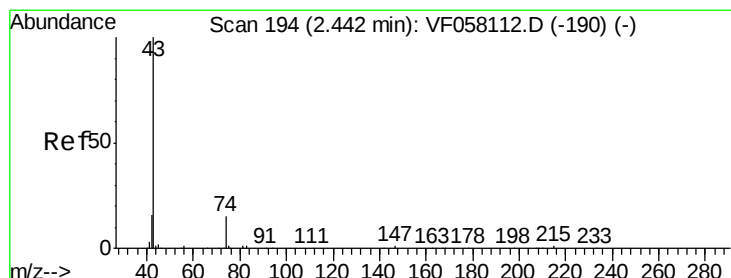
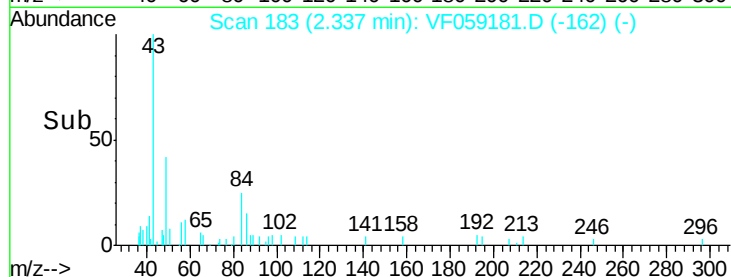
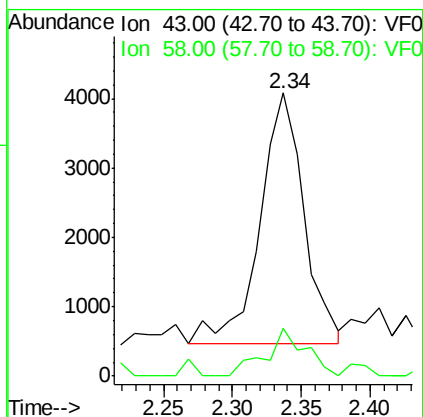
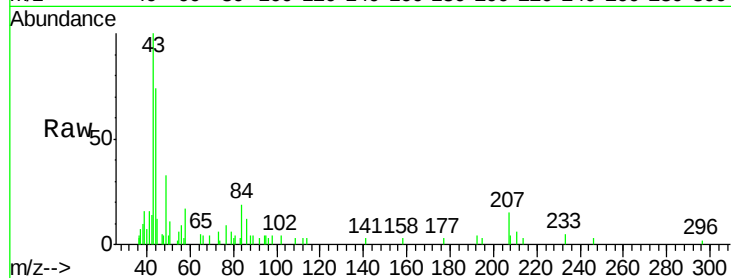




#16
Acetone
Concen: 10.286 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059181.D
Acq: 18 Jun 2018 17:48

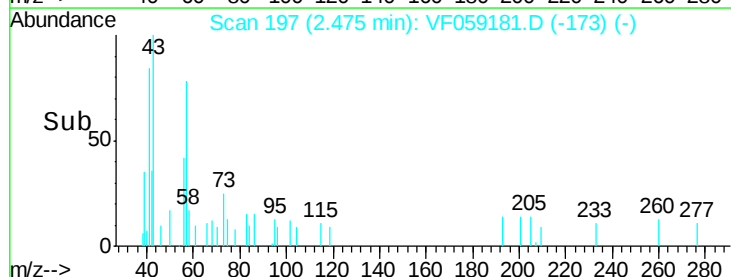
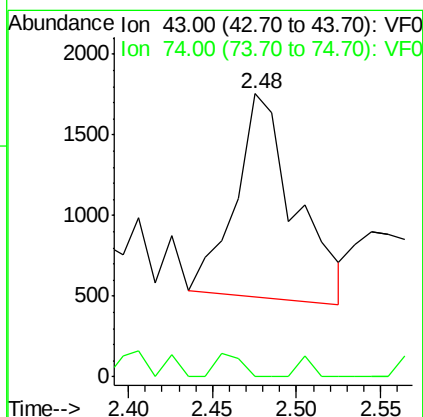
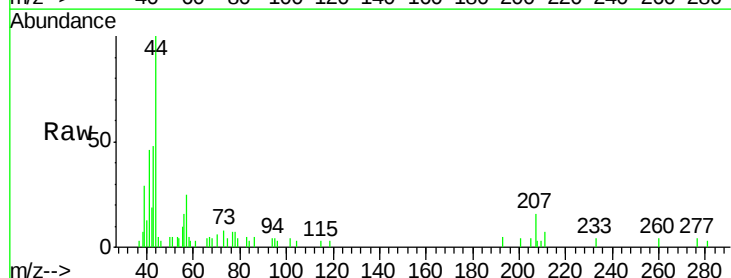
Instrument :
MSVOA_F
ClientSampleId :
TP-5-S

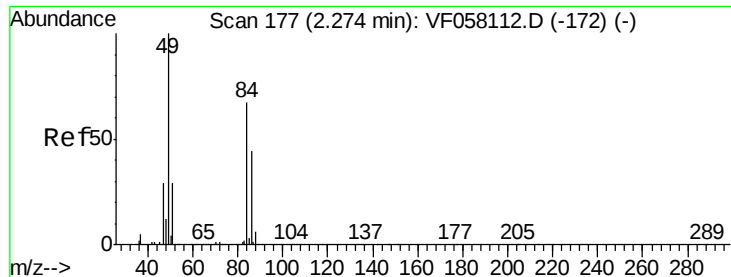
Tgt Ion: 43 Resp: 8059
Ion Ratio Lower Upper
43 100
58 16.7 14.4 21.6



#18
Methyl Acetate
Concen: 2.291 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.03 min
Lab File: VF059181.D
Acq: 18 Jun 2018 17:48

Tgt Ion: 43 Resp: 3086
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#

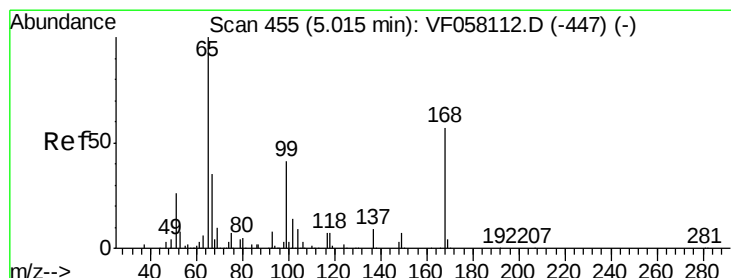
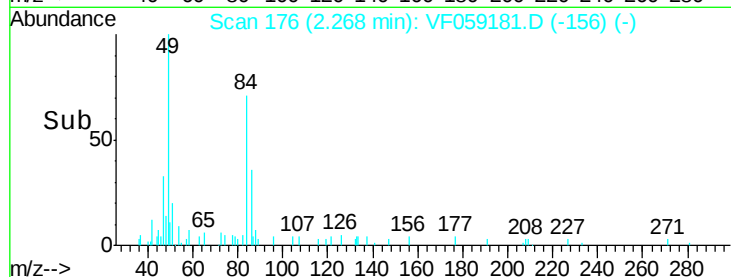
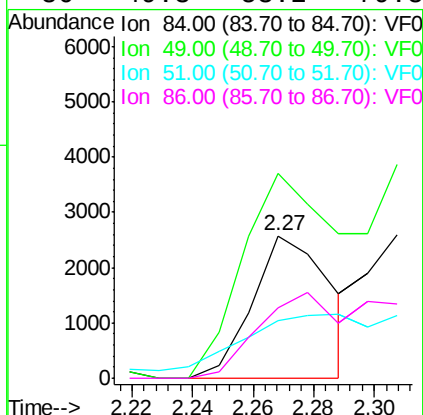
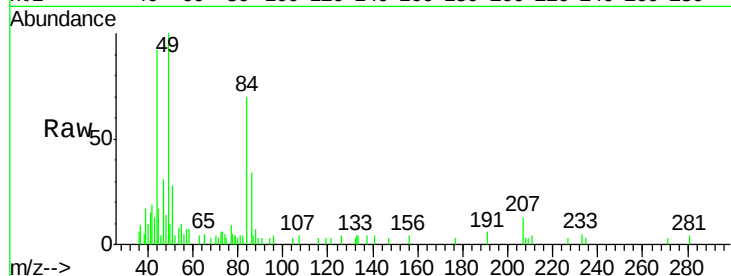




#20
Methylene Chloride
Concen: 2.457 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059181.D
Acq: 18 Jun 2018 17:48

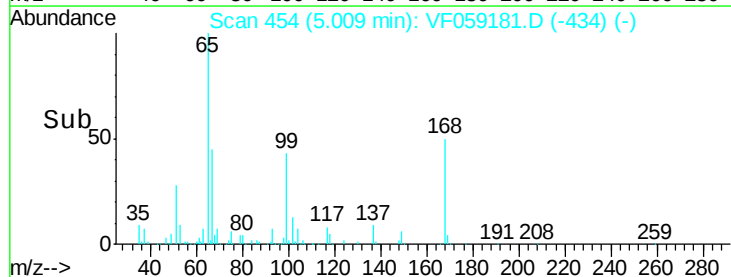
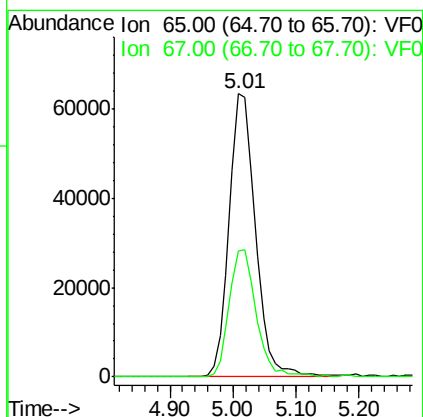
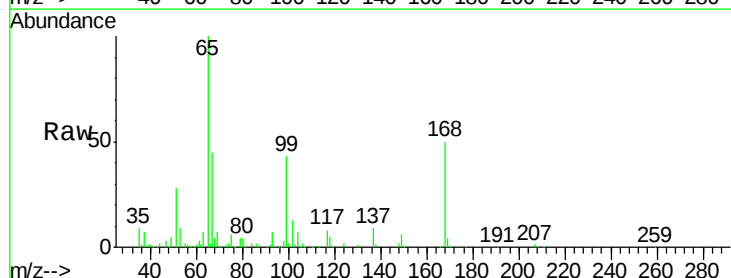
Instrument :
MSVOA_F
ClientSampleId :
TP-5-S

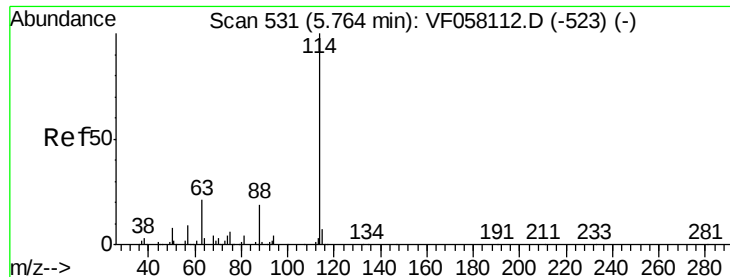
Tgt Ion: 84 Resp: 4609
Ion Ratio Lower Upper
84 100
49 143.6 121.0 181.4
51 40.5 35.8 53.6
86 49.3 53.2 79.8#



#33
1,2-Dichloroethane-d4
Concen: 56.045 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF059181.D
Acq: 18 Jun 2018 17:48

Tgt Ion: 65 Resp: 183919
Ion Ratio Lower Upper
65 100
67 44.7 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: VF059181.D

Acq: 18 Jun 2018 17:48

Instrument :

MSVOA_F

ClientSampleId :

TP-5-S

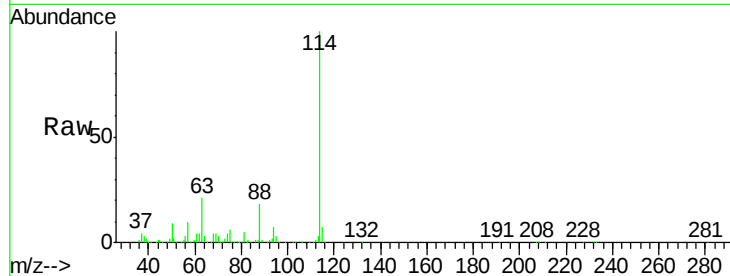
Tgt Ion:114 Resp: 409080

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

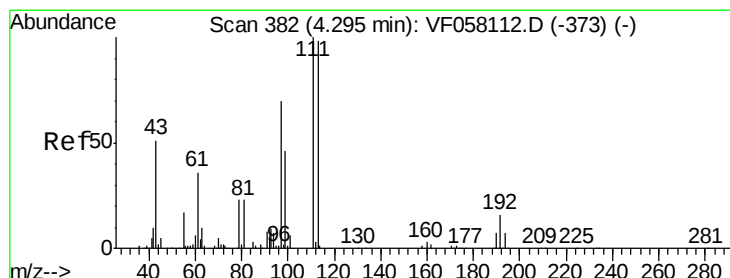
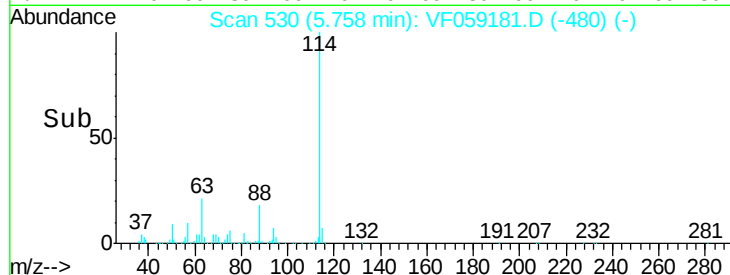
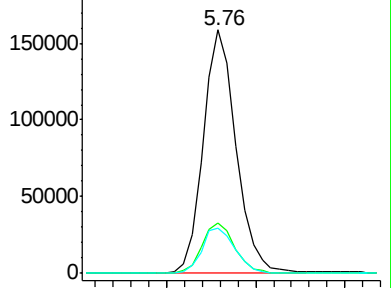
88 18.4 0.0 38.8



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: 56.325 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059181.D

Acq: 18 Jun 2018 17:48

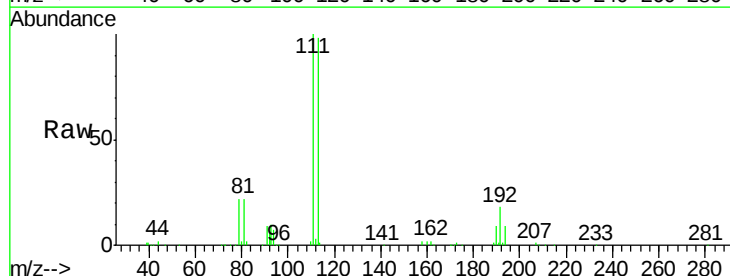
Tgt Ion:113 Resp: 161676

Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

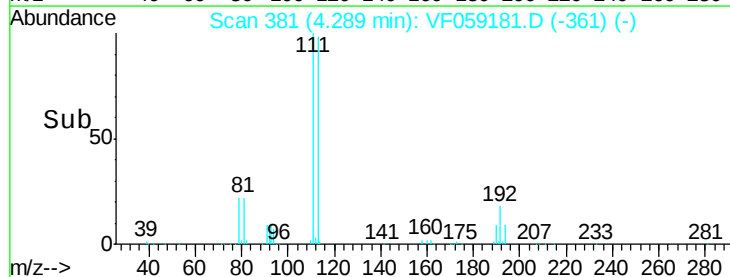
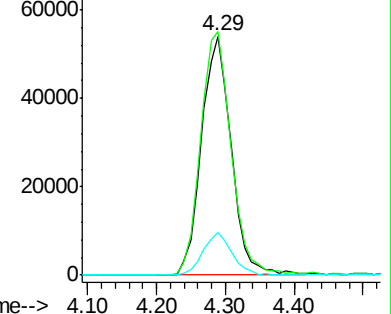
192 17.9 12.7 19.1

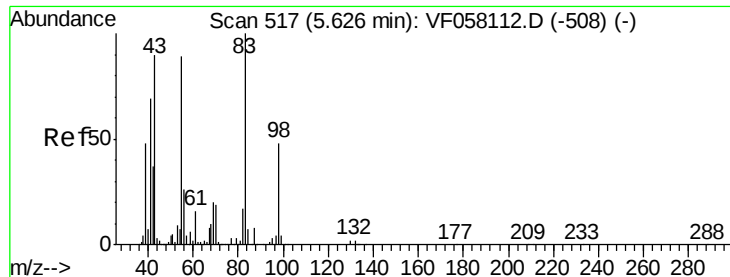


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

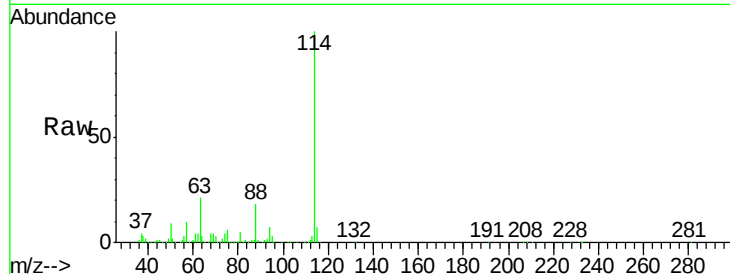




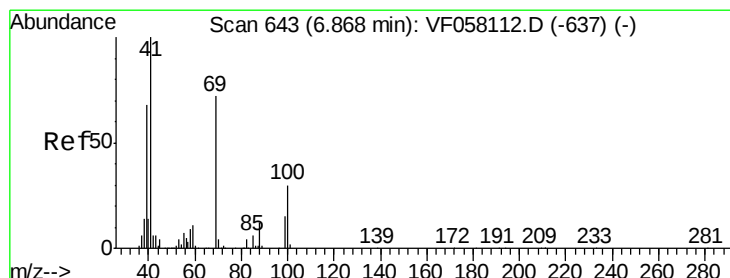
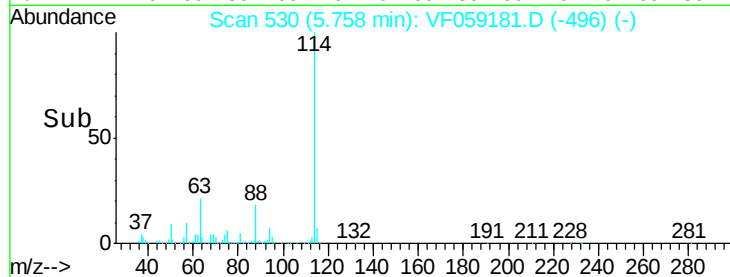
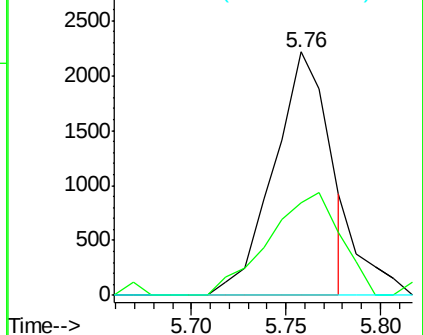
#39
Methylcyclohexane
Concen: 1.125 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059181.D
Acq: 18 Jun 2018 17:48

Instrument :
MSVOA_F
ClientSampled :
TP-5-S

Tgt Ion: 83 Resp: 4547
Ion Ratio Lower Upper
83 100
55 37.8 71.0 106.4#
98 0.0 38.1 57.1#

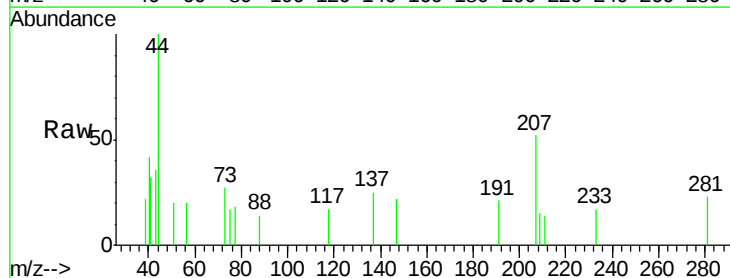


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

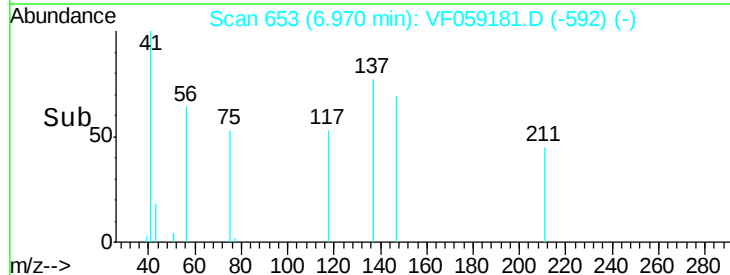
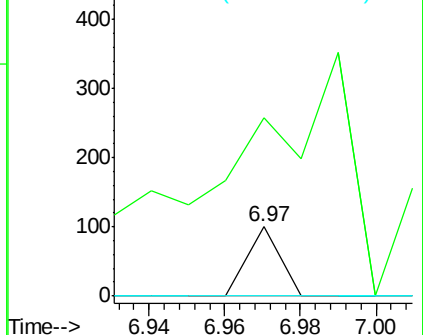


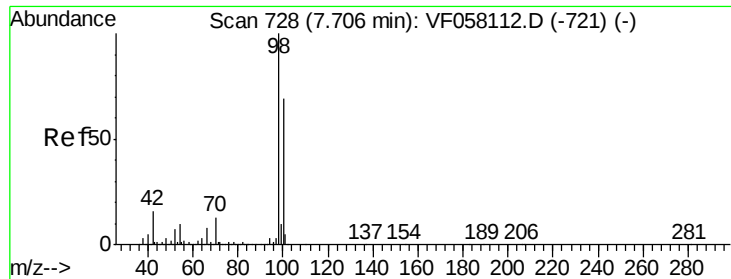
#49
1,4-Dioxane
Concen: 16.660 ug/l
RT: 6.97 min Scan# 653
Delta R.T. 0.10 min
Lab File: VF059181.D
Acq: 18 Jun 2018 17:48

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 258.0 47.8 71.8#
58 0.0 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: 48.690 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059181.D

Acq: 18 Jun 2018 17:48

Instrument :

MSVOA_F

ClientSampleId :

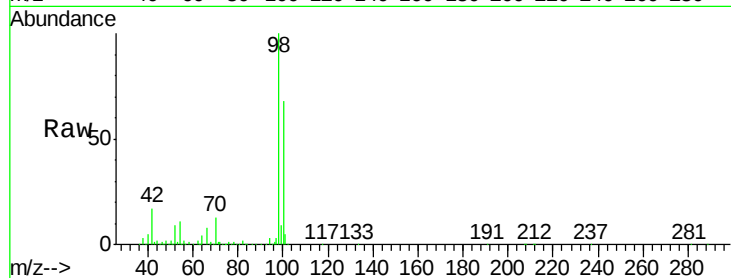
TP-5-S

Tgt Ion: 98 Resp: 410588

Ion Ratio Lower Upper

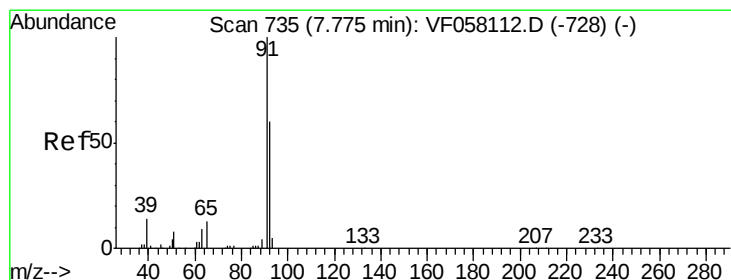
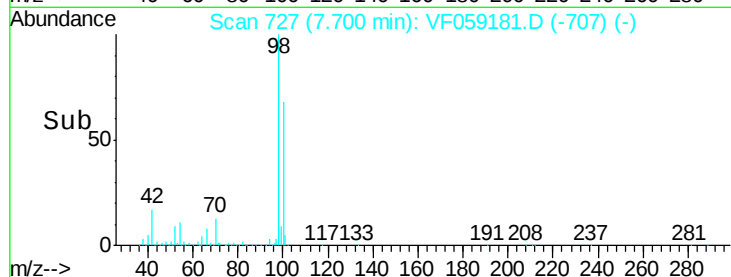
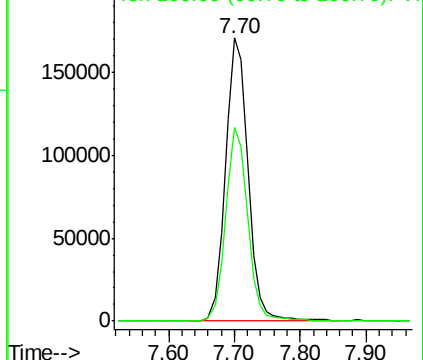
98 100

100 68.4 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2.180 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059181.D

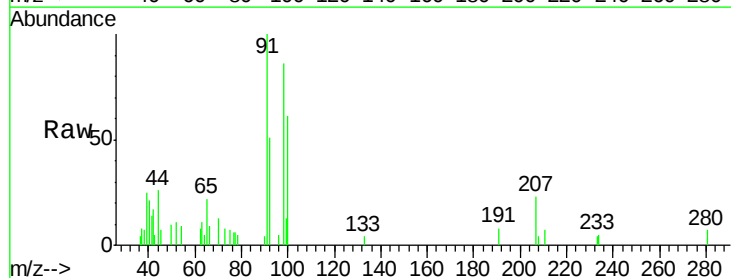
Acq: 18 Jun 2018 17:48

Tgt Ion: 63 Resp: 472

Ion Ratio Lower Upper

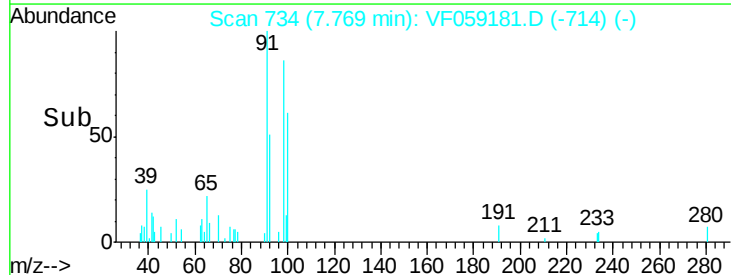
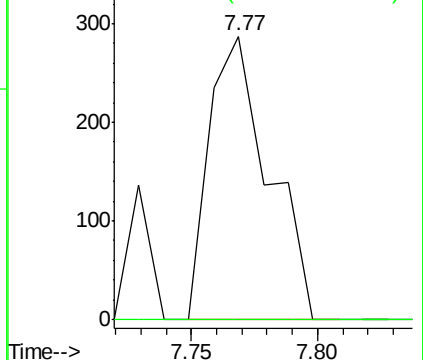
63 100

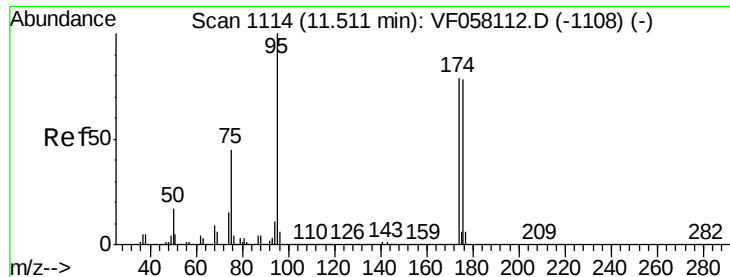
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

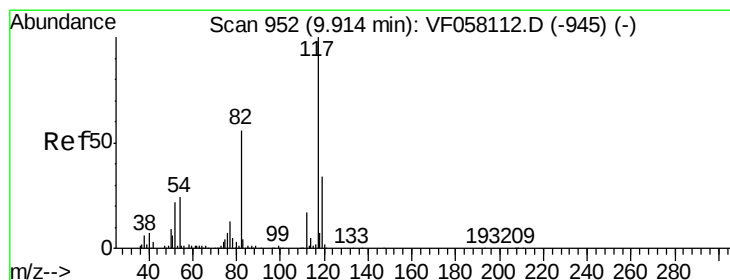
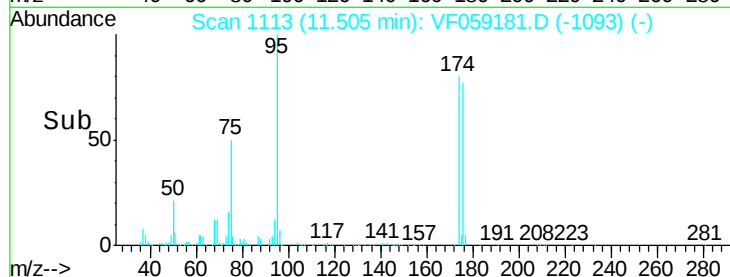
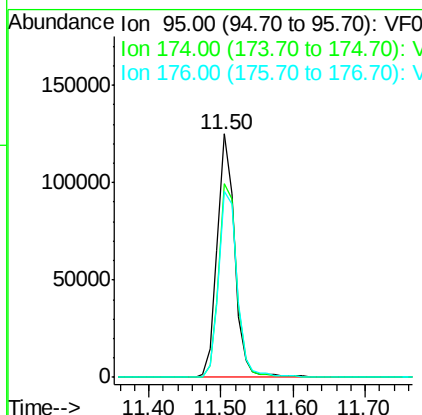
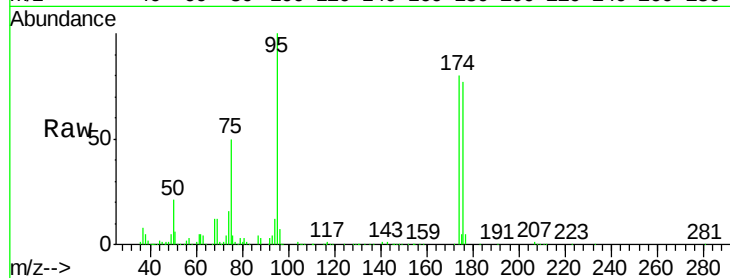




#62
4-Bromofluorobenzene
Concen: 48.256 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059181.D
Acq: 18 Jun 2018 17:48

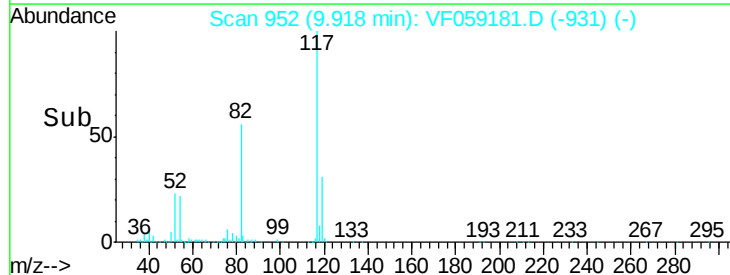
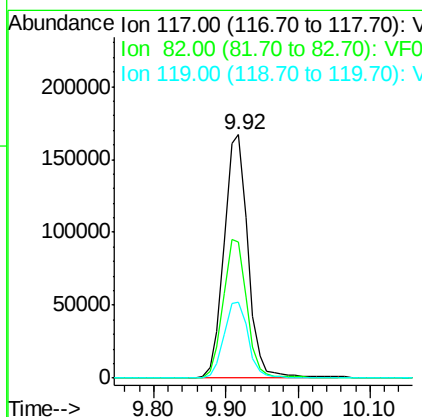
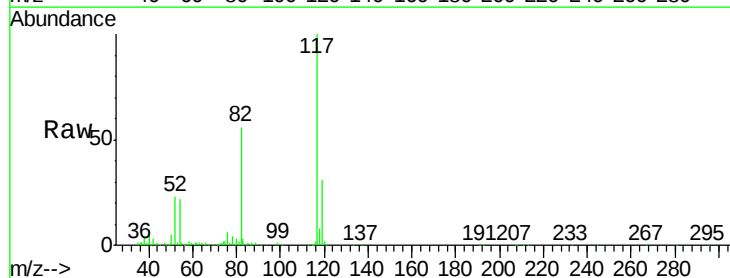
Instrument :
MSVOA_F
ClientSampleId :
TP-5-S

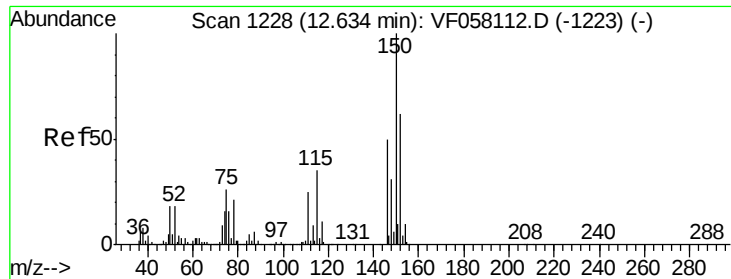
Tgt Ion: 95 Resp: 208714
Ion Ratio Lower Upper
95 100
174 79.7 0.0 157.8
176 76.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059181.D
Acq: 18 Jun 2018 17:48

Tgt Ion: 117 Resp: 384151
Ion Ratio Lower Upper
117 100
82 56.1 45.2 67.8
119 31.4 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: VF059181.D

Acq: 18 Jun 2018 17:48

Instrument :

MSVOA_F

ClientSampleId :

TP-5-S

Tgt Ion:152 Resp: 224006

Ion Ratio Lower Upper

152 100

115 59.5 28.5 85.5

150 153.6 0.0 323.8

