

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
 Data File : VF059629.D
 Acq On : 23 Jul 2018 22:17
 Operator : VA/AP
 Sample : J4099-09
 Misc : 6.30g/5mL/MSVOA_F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-09

Quant Time: Jul 24 04:52:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	204868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	293462	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	192828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	56546	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	100171	31.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.14%	
35) Dibromofluoromethane	4.29	113	83768	30.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.88%	
50) Toluene-d8	7.70	98	164064	24.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	48.40%	
62) 4-Bromofluorobenzene	11.50	95	53983	13.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	27.58%	

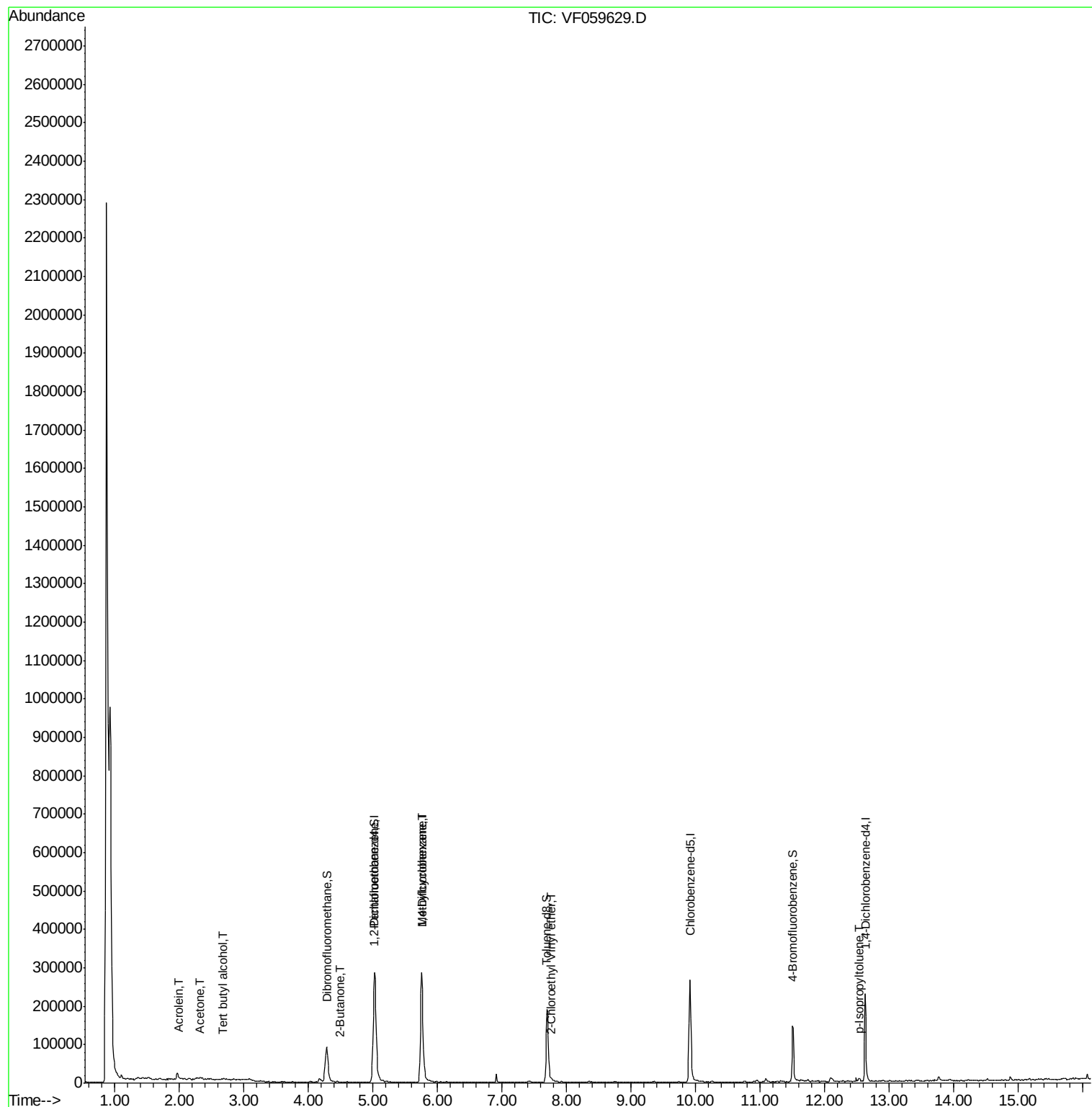
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	171	1.303	ug/l #	1
13) Acrolein	2.00	56	228	3.465	ug/l	99
16) Acetone	2.33	43	3156	5.710	ug/l #	94
18) Methyl Acetate	2.46	43	3048	Below Cal		97
20) Methylene Chloride	2.26	84	1135	Below Cal	#	72
25) 2-Butanone	4.50	43	1249	2.192	ug/l	95
39) Methylcyclohexane	5.75	83	5065	2.101	ug/l #	31
49) 1,4-Dioxane	6.88	88	114	Below Cal	#	16
58) 2-Chloroethyl Vinyl ether	7.78	63	293	1.608	ug/l	100
86) p-Isopropyltoluene	12.54	119	4474	1.237	ug/l	85

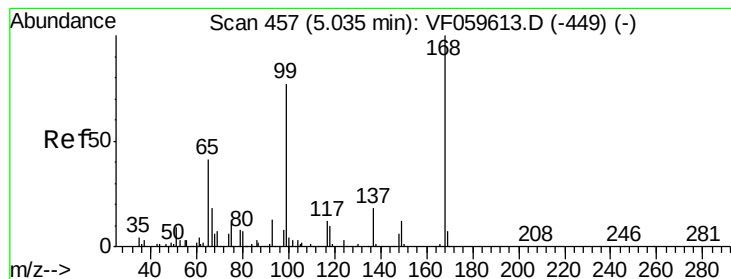
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
Data File : VF059629.D
Acq On : 23 Jul 2018 22:17
Operator : VA/AP
Sample : J4099-09
Misc : 6.30g/5mL/MSVOA_F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-09

Quant Time: Jul 24 04:52:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 24 04:17:55 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059629.D

Acq: 23 Jul 2018 22:17

Instrument :

MSVOA_F

ClientSampleId :

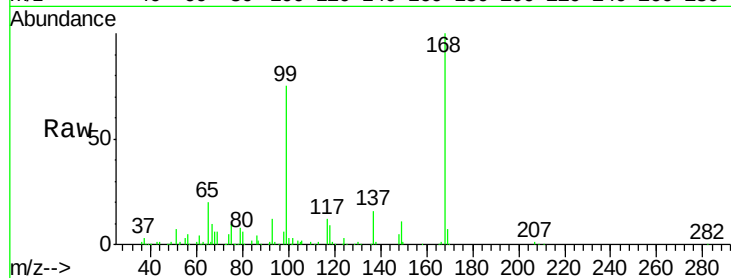
GL-TOPSOIL-09

Tgt Ion:168 Resp: 204868

Ion Ratio Lower Upper

168 100

99 74.8 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

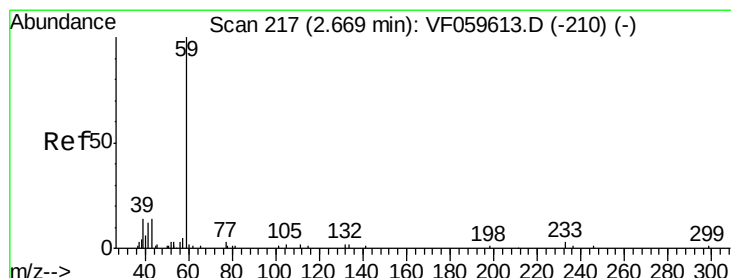
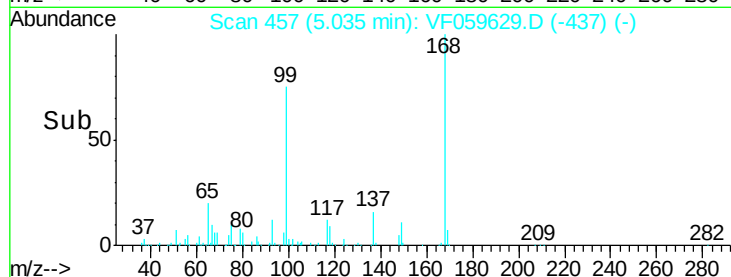
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 1.303 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059629.D

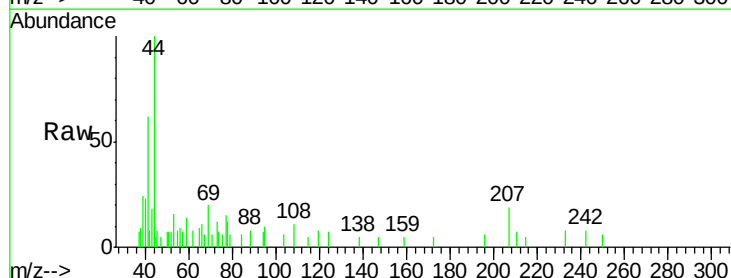
Acq: 23 Jul 2018 22:17

Tgt Ion: 59 Resp: 171

Ion Ratio Lower Upper

59 100

57 50.5 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

300

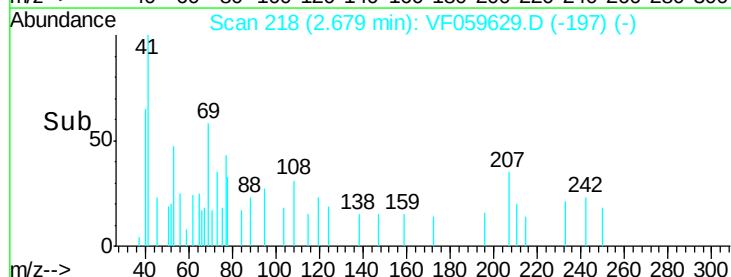
200

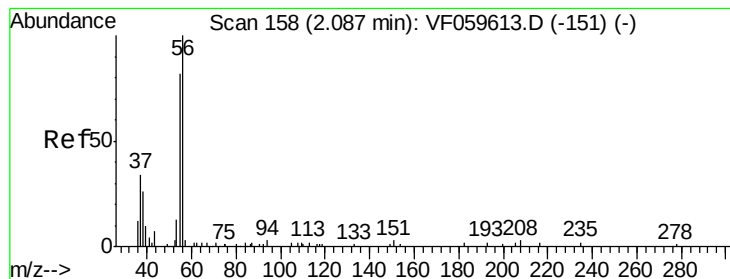
100

0

Time-->

2.66 2.67 2.68 2.69





#13

Acrolein

Concen: 3.465 ug/l

RT: 2.00 min Scan# 149

Delta R.T. -0.09 min

Lab File: VF059629.D

Acq: 23 Jul 2018 22:17

Instrument :

MSVOA_F

ClientSampleId :

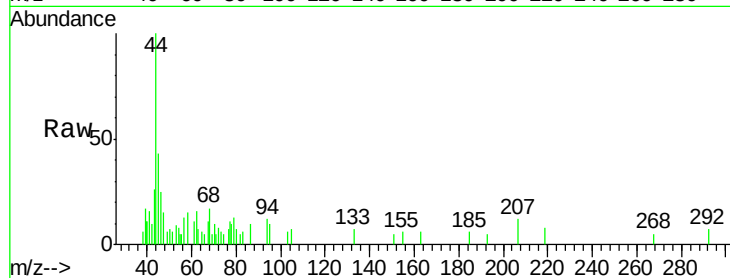
GL-TOPSOIL-09

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

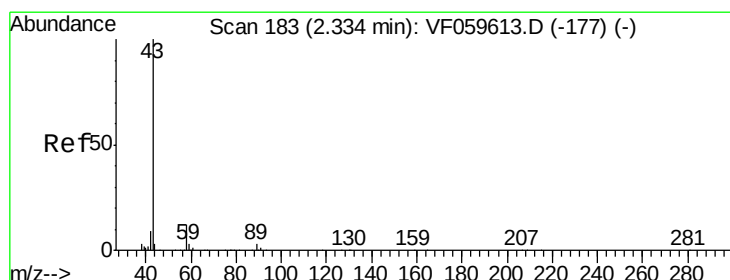
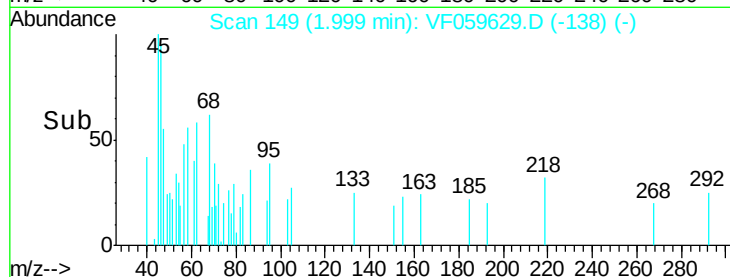
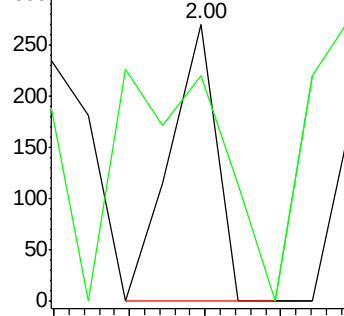
56 100

55 81.1 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 5.710 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059629.D

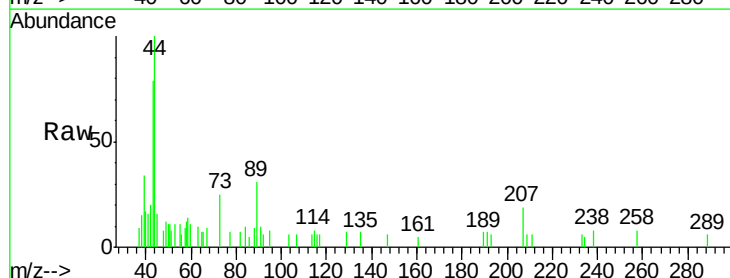
Acq: 23 Jul 2018 22:17

Tgt Ion: 43 Resp: 3156

Ion Ratio Lower Upper

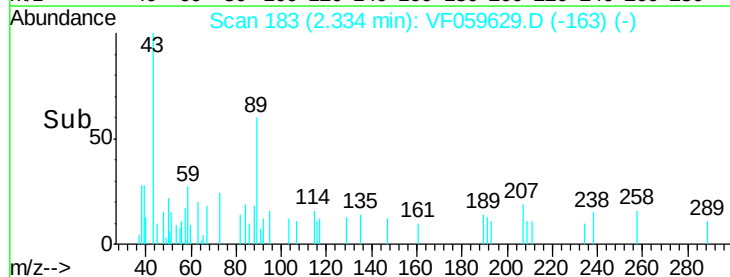
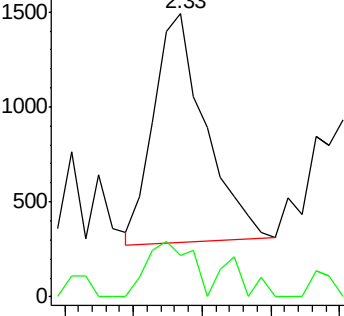
43 100

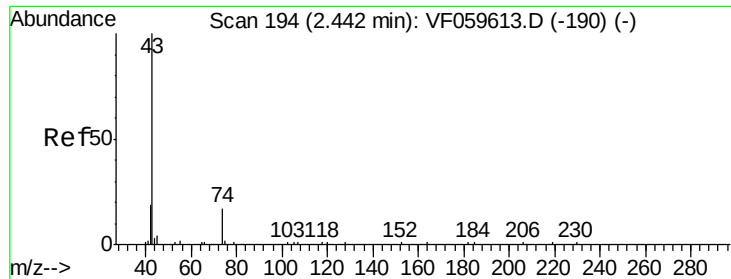
58 14.8 9.8 14.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

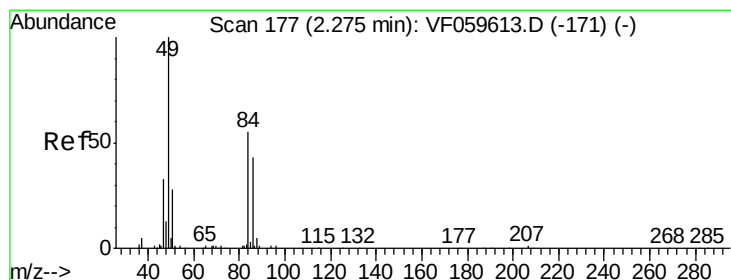
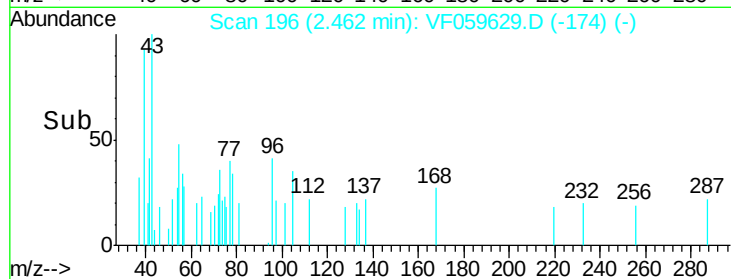
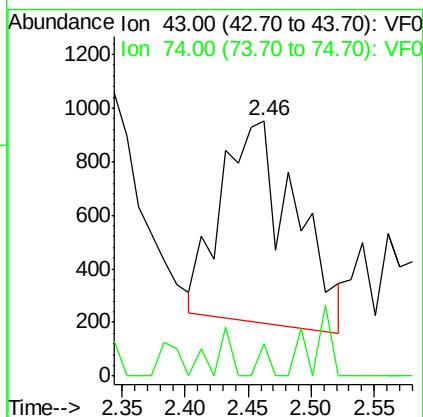
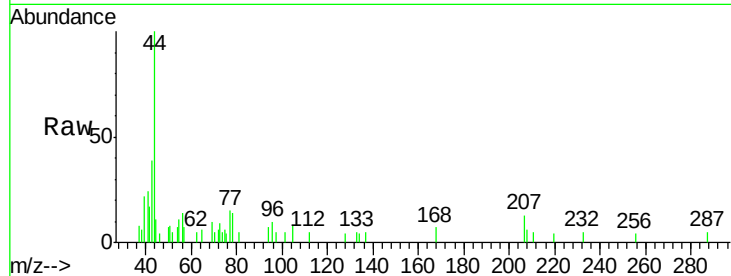




#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059629.D
Acq: 23 Jul 2018 22:17

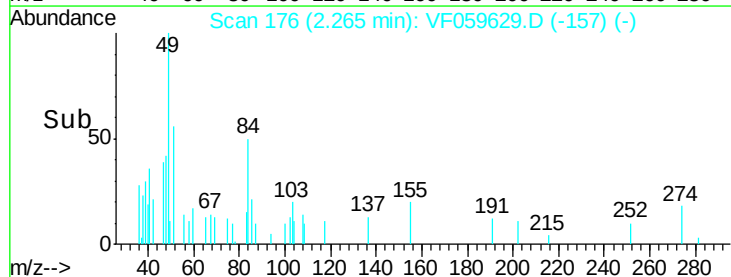
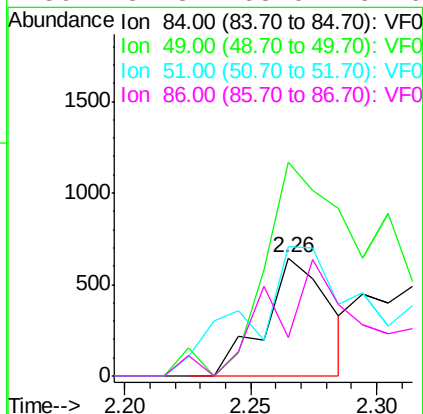
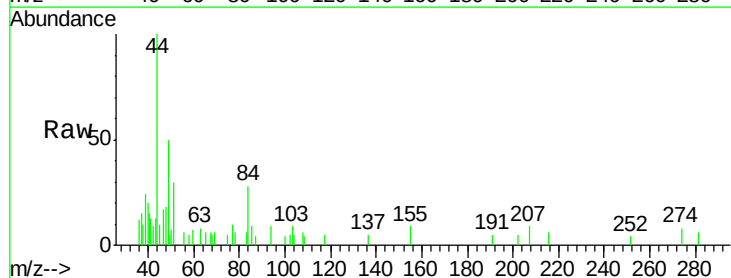
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-09

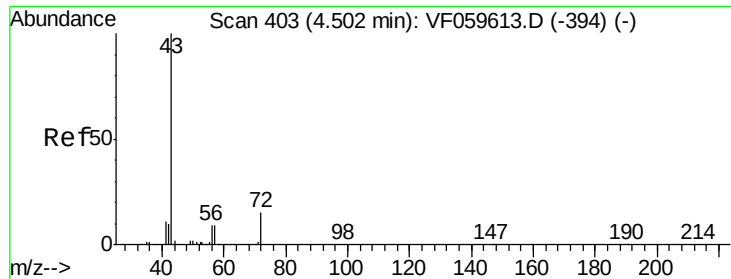
Tgt Ion: 43 Resp: 3048
Ion Ratio Lower Upper
43 100
74 12.8 11.4 17.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059629.D
Acq: 23 Jul 2018 22:17

Tgt Ion: 84 Resp: 1135
Ion Ratio Lower Upper
84 100
49 180.4 148.6 222.8
51 108.8 42.7 64.1#
86 32.3 63.0 94.6#





#25

2-Butanone

Concen: 2.192 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059629.D

Acq: 23 Jul 2018 22:17

Instrument :

MSVOA_F

ClientSampleId :

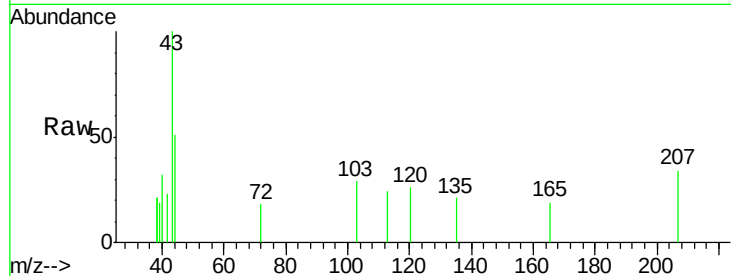
GL-TOPSOIL-09

Tgt Ion: 43 Resp: 1249

Ion Ratio Lower Upper

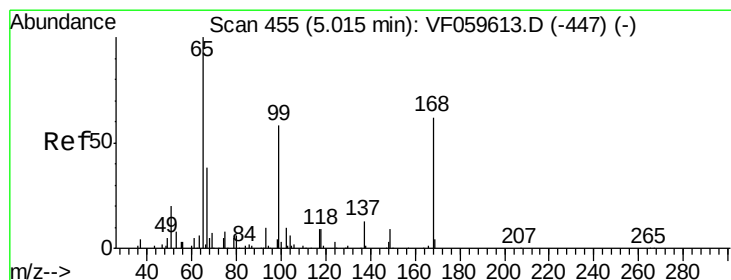
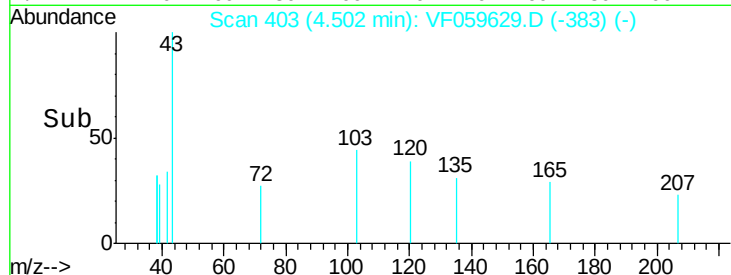
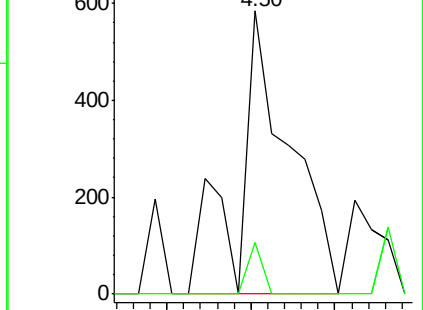
43 100

72 18.3 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 31.072 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059629.D

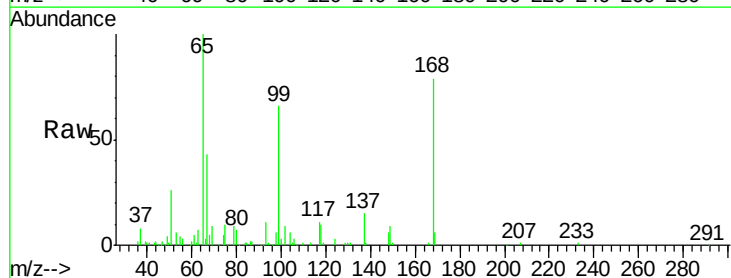
Acq: 23 Jul 2018 22:17

Tgt Ion: 65 Resp: 100171

Ion Ratio Lower Upper

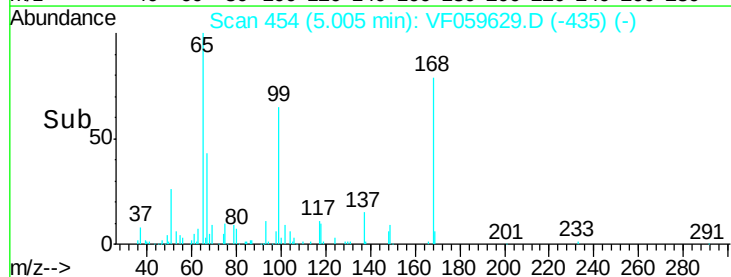
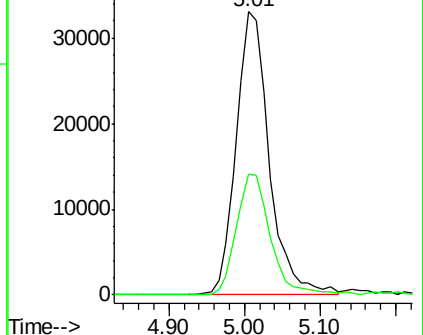
65 100

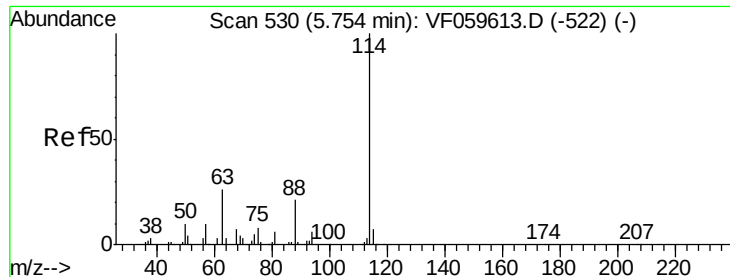
67 42.9 0.0 83.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

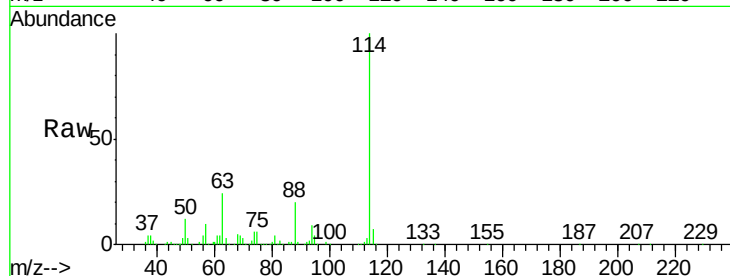




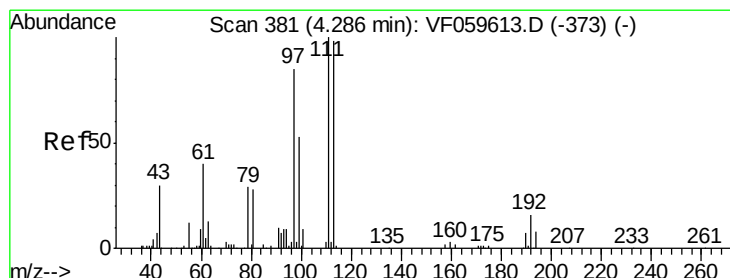
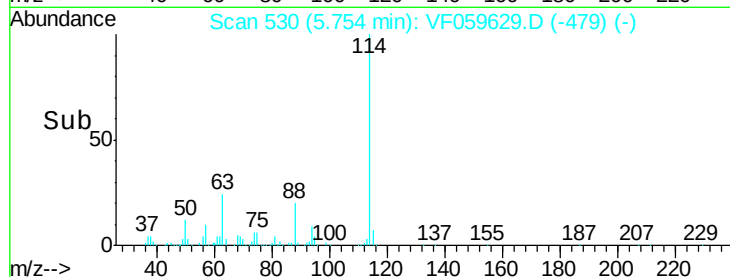
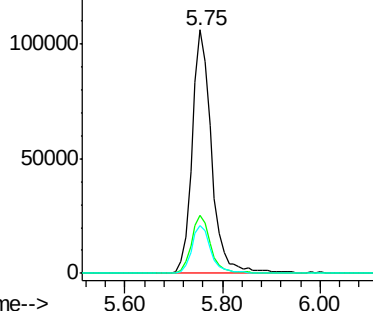
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059629.D
 Acq: 23 Jul 2018 22:17

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-09

Tgt Ion:114 Resp: 293462
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 51.8
 88 19.9 0.0 42.8

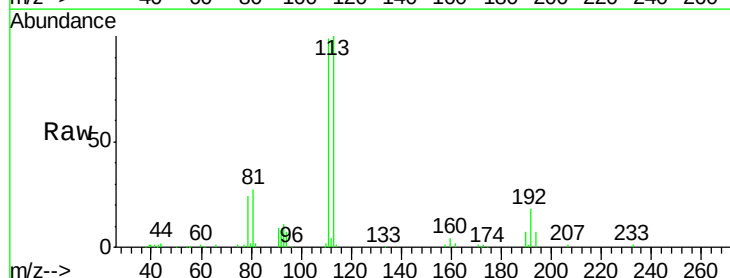


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

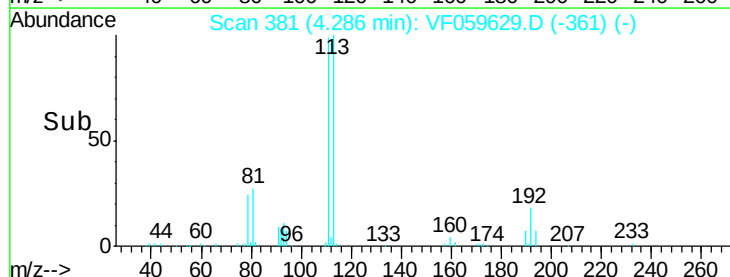
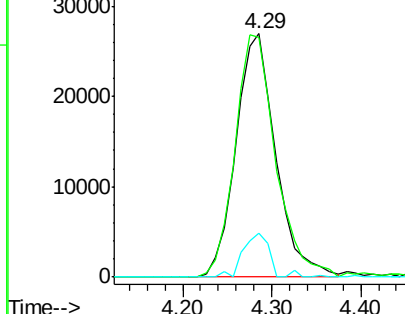


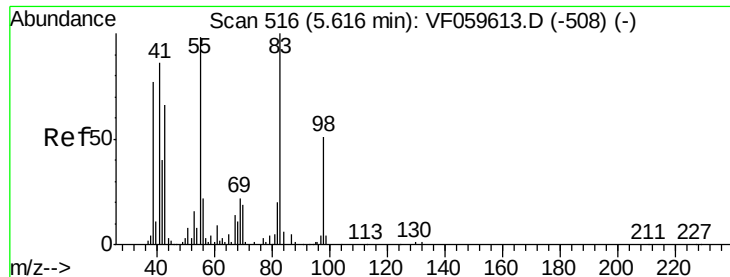
#35
 Dibromofluoromethane
 Concen: 30.938 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059629.D
 Acq: 23 Jul 2018 22:17

Tgt Ion:113 Resp: 83768
 Ion Ratio Lower Upper
 113 100
 111 98.6 81.5 122.3
 192 18.3 13.4 20.2



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: 2.101 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.14 min

Lab File: VF059629.D

Acq: 23 Jul 2018 22:17

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-09

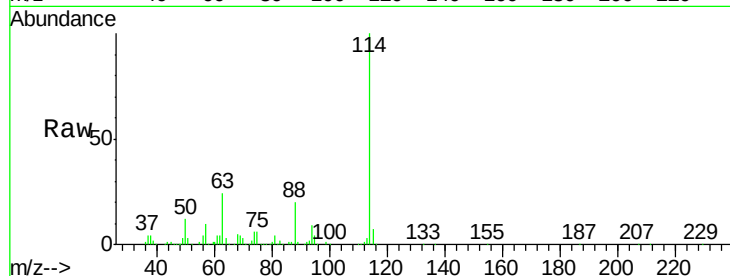
Tgt Ion: 83 Resp: 5065

Ion Ratio Lower Upper

83 100

55 32.8 78.5 117.7#

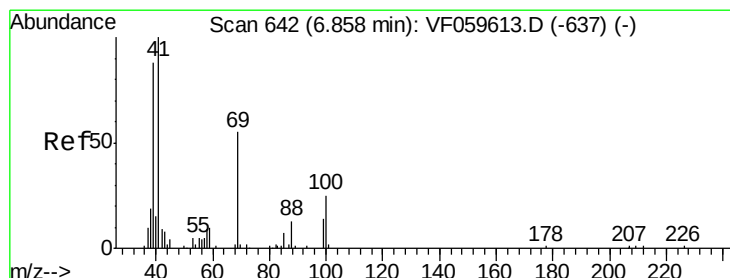
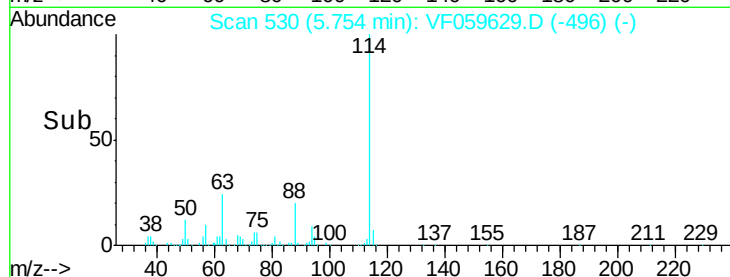
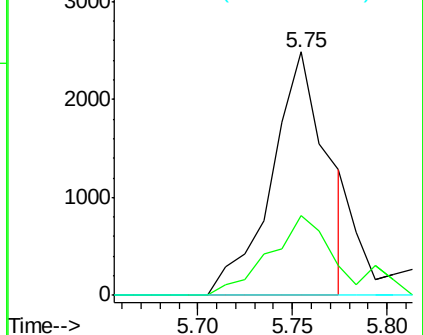
98 0.0 41.1 61.7#



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: Below Cal

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF059629.D

Acq: 23 Jul 2018 22:17

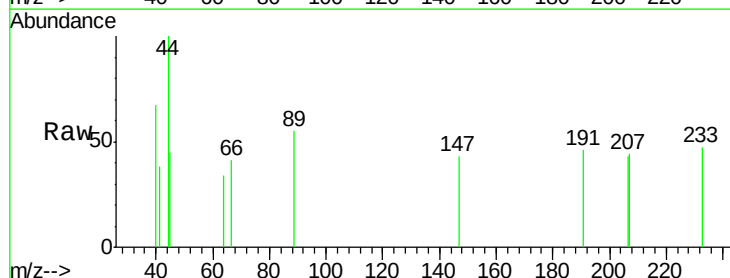
Tgt Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

43 0.0 54.2 81.4#

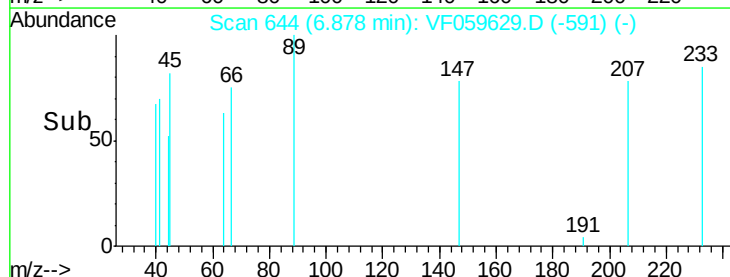
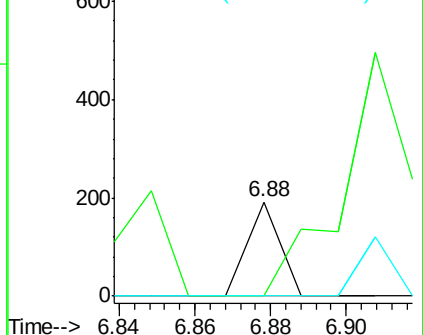
58 0.0 54.3 81.5#

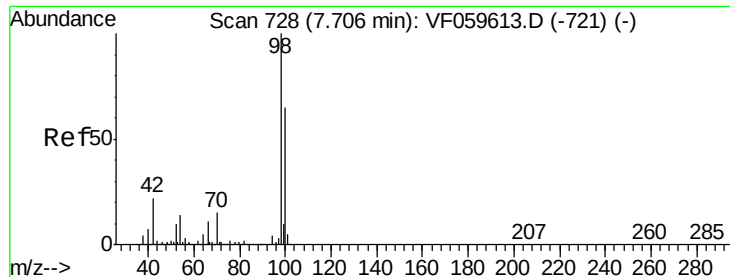


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 24.201 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059629.D

Acq: 23 Jul 2018 22:17

Instrument :

MSVOA_F

ClientSampleId :

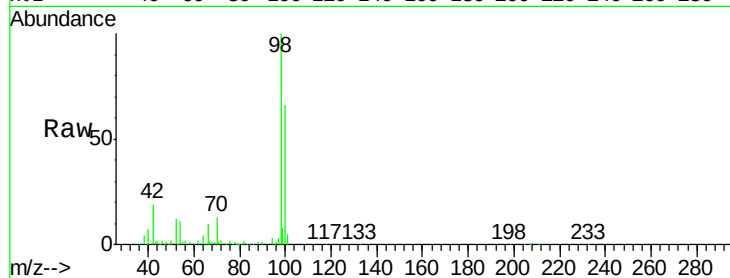
GL-TOPSOIL-09

Tgt Ion: 98 Resp: 164064

Ion Ratio Lower Upper

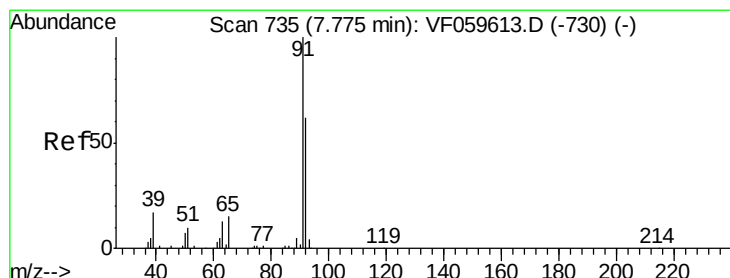
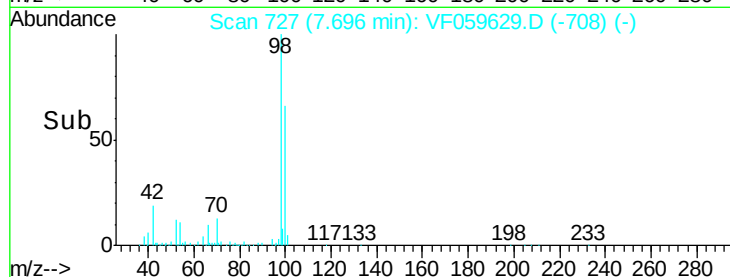
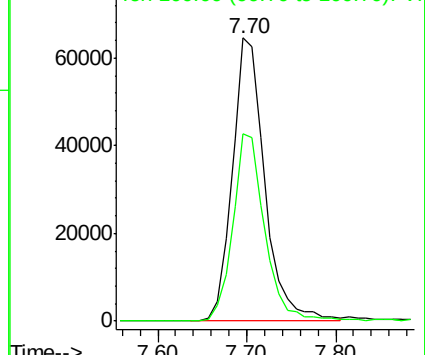
98 100

100 66.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#58

2-Chloroethyl Vinyl ether

Concen: 1.608 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059629.D

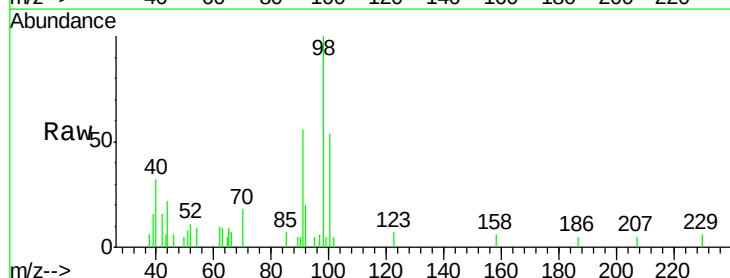
Acq: 23 Jul 2018 22:17

Tgt Ion: 63 Resp: 293

Ion Ratio Lower Upper

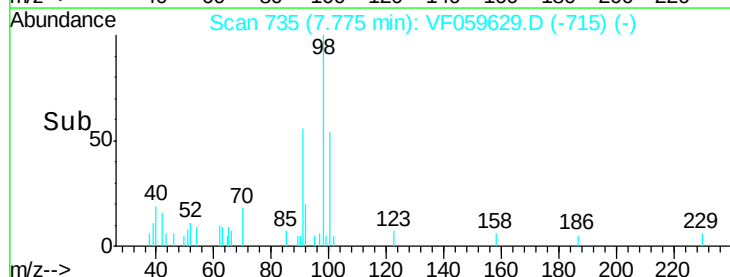
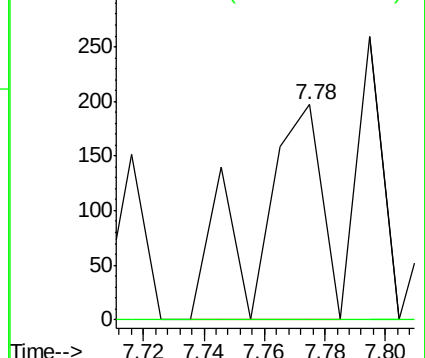
63 100

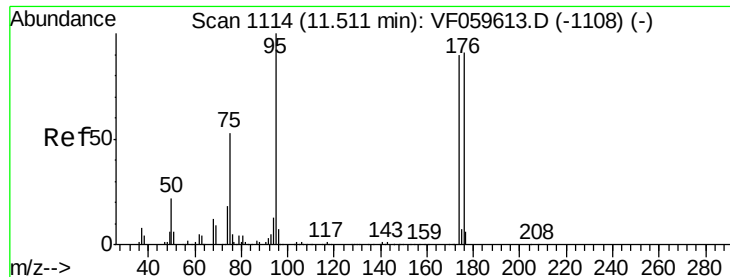
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 13.795 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059629.D

Acq: 23 Jul 2018 22:17

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-09

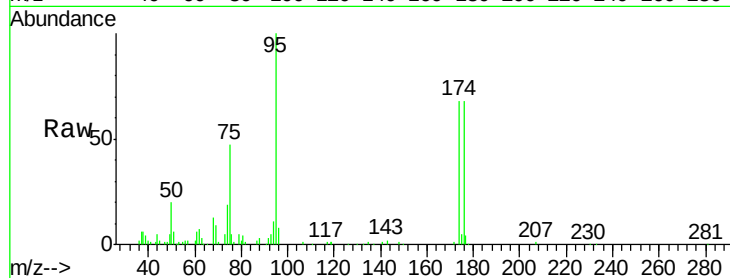
Tgt Ion: 95 Resp: 53983

Ion Ratio Lower Upper

95 100

174 68.0 0.0 180.6

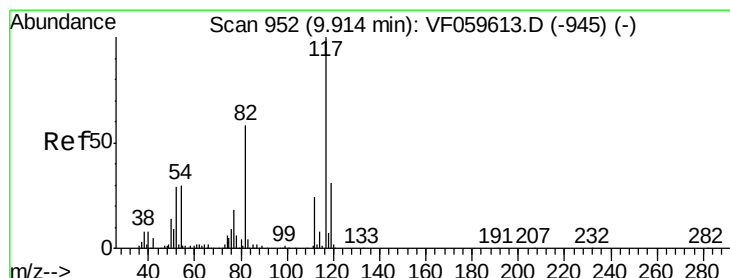
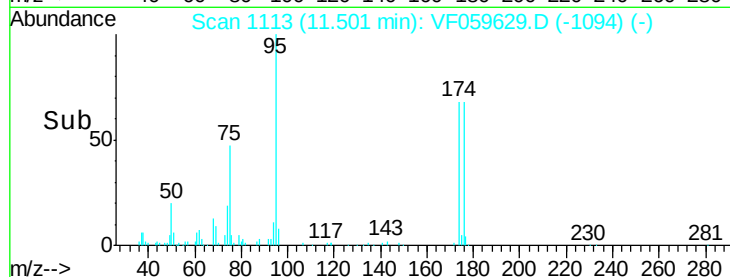
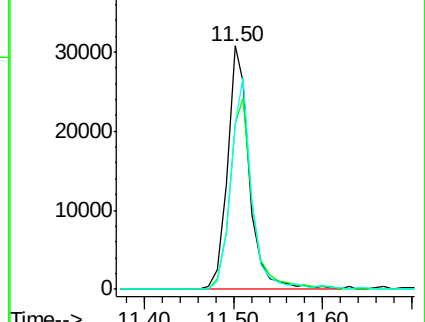
176 67.9 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059629.D

Acq: 23 Jul 2018 22:17

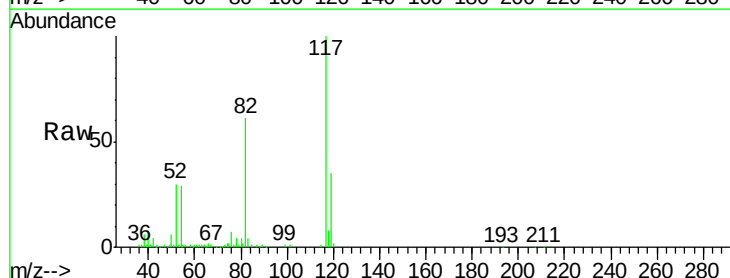
Tgt Ion: 117 Resp: 192828

Ion Ratio Lower Upper

117 100

82 60.9 46.5 69.7

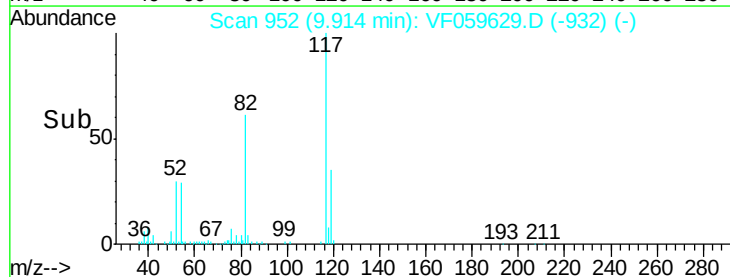
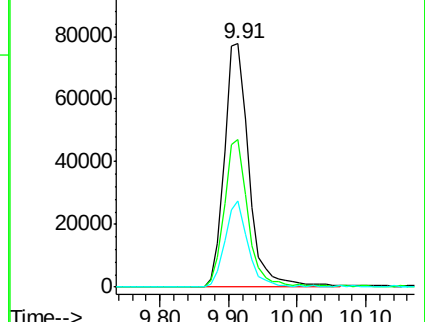
119 35.3 24.4 36.6

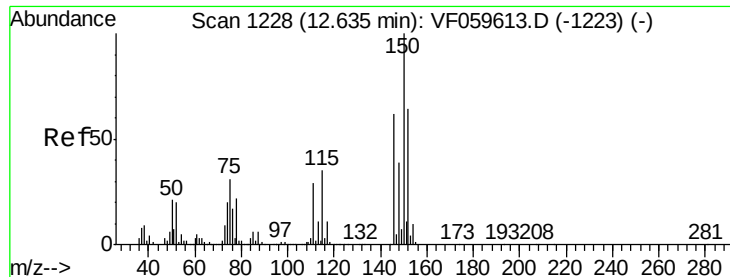


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



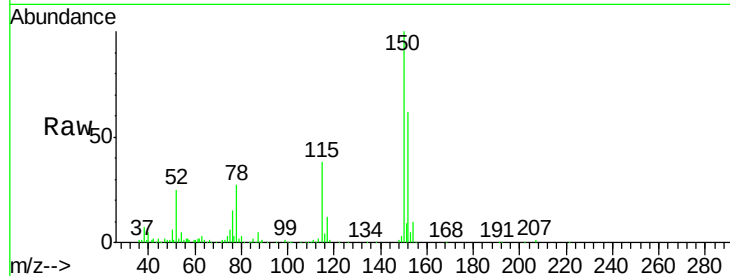


#72

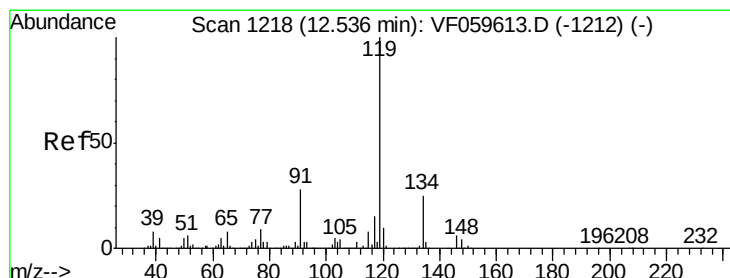
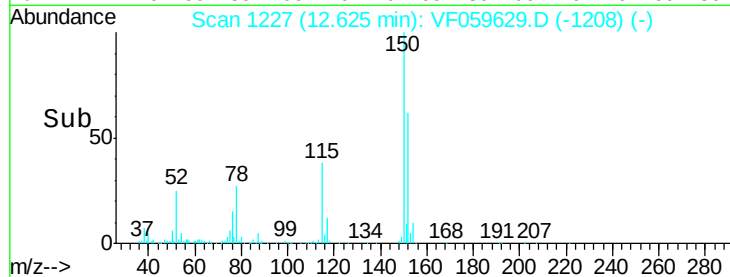
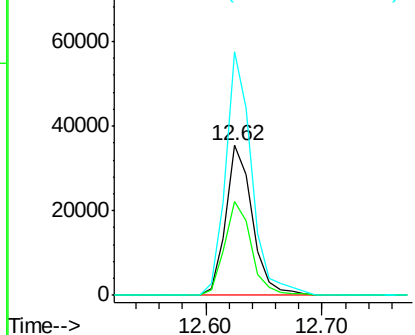
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059629.D
Acq: 23 Jul 2018 22:17

Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-09

Tgt Ion:152 Resp: 56546
Ion Ratio Lower Upper
152 100
115 62.3 27.8 83.4
150 162.4 0.0 314.6



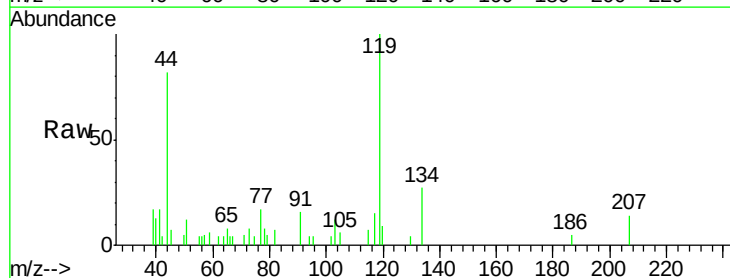
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#86

p-Isopropyltoluene
Concen: 1.237 ug/l
RT: 12.54 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VF059629.D
Acq: 23 Jul 2018 22:17

Tgt Ion:119 Resp: 4474
Ion Ratio Lower Upper
119 100
134 27.2 12.4 37.2
91 15.5 13.9 41.7



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

