

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
 Data File : VF059625.D
 Acq On : 23 Jul 2018 20:27
 Operator : VA/AP
 Sample : J4099-05
 Misc : 4.46g/5mL/MSVOA_F/SOIL
 ALS Vial : 96 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-05

Quant Time: Jul 24 04:51:29 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

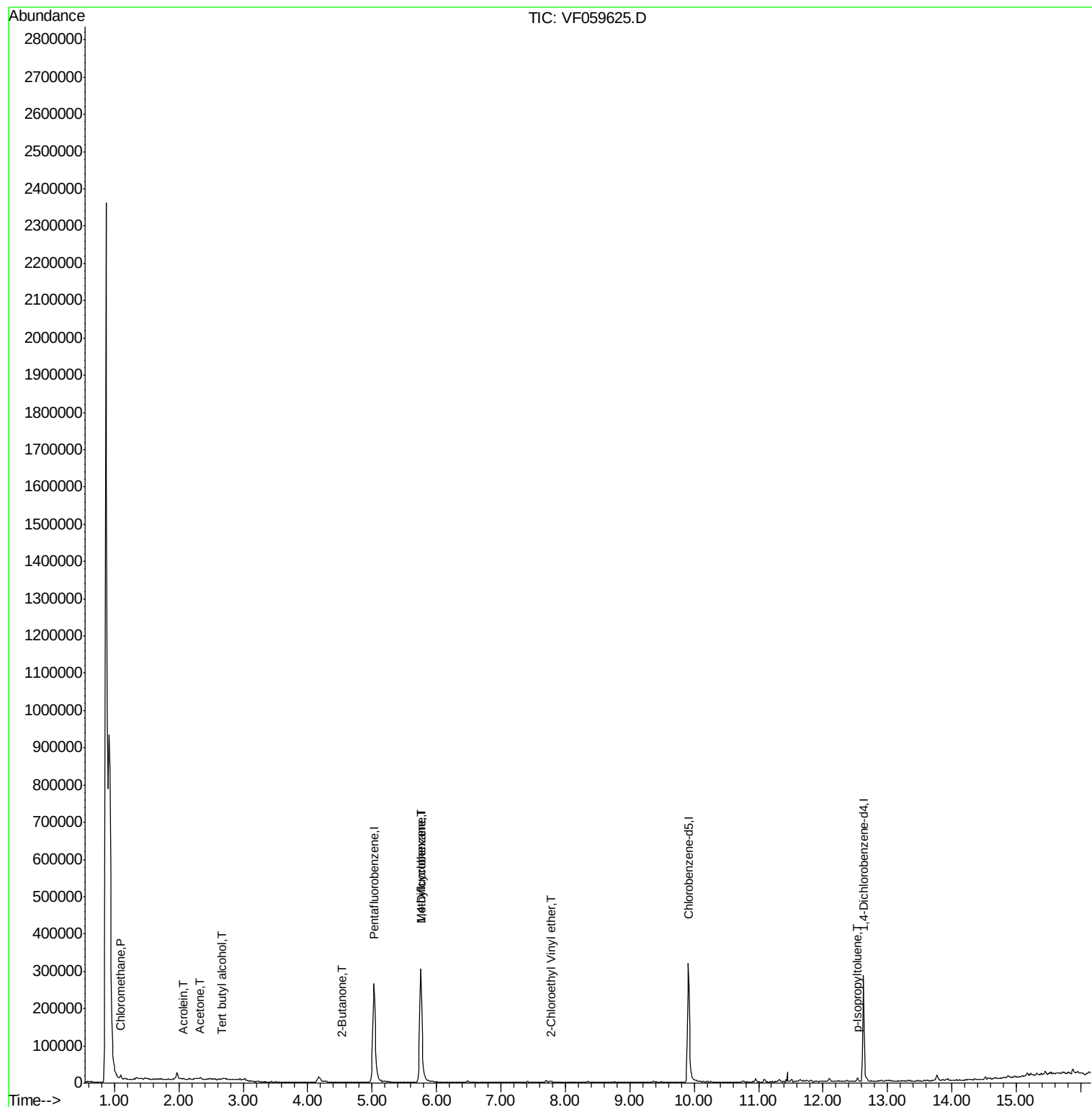
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	231933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	320935	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	225724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	74399	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	2771	0.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	1.52%	
35) Dibromofluoromethane	4.29	113	1323	0.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	0.90%	
50) Toluene-d8	7.70	98	3625	0.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	0.98%	
62) 4-Bromofluorobenzene	11.51	95	2562	0.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	1.20%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.10	50	1493	1.125	ug/l #	45
11) Tert butyl alcohol	2.67	59	421	2.834	ug/l #	72
13) Acrolein	2.06	56	327	4.390	ug/l	96
16) Acetone	2.33	43	7470	11.937	ug/l	97
18) Methyl Acetate	2.44	43	1101	Below Cal		97
20) Methylene Chloride	2.28	84	962	Below Cal	#	33
25) 2-Butanone	4.53	43	1396	2.164	ug/l #	78
39) Methylcyclohexane	5.76	83	5401	2.048	ug/l #	27
49) 1,4-Dioxane	6.83	88	73	Below Cal	#	45
58) 2-Chloroethyl Vinyl ether	7.78	63	360	1.806	ug/l	100
86) p-Isopropyltoluene	12.53	119	5124	1.077	ug/l	91

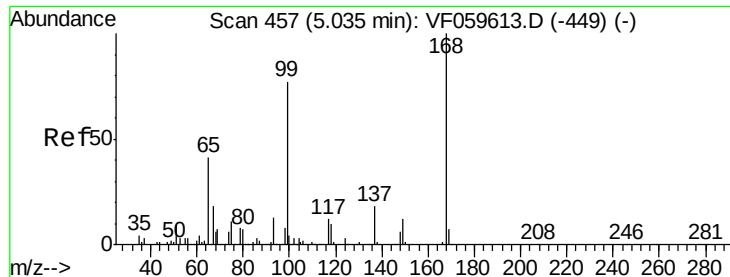
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
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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# 456

Delta R.T. -0.00 min

Lab File: VF059625.D

Acq: 23 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

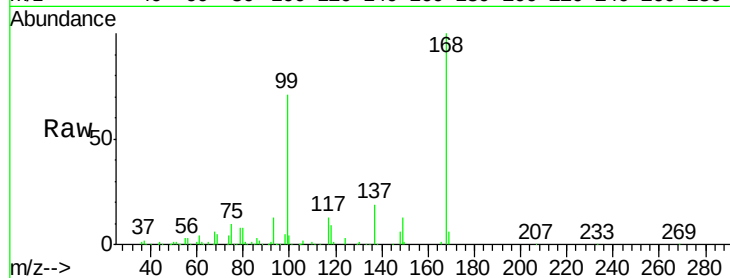
GL-TOPSOIL-05

Tgt Ion:168 Resp: 231933

Ion Ratio Lower Upper

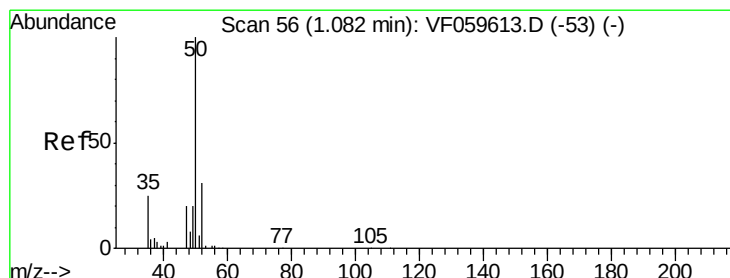
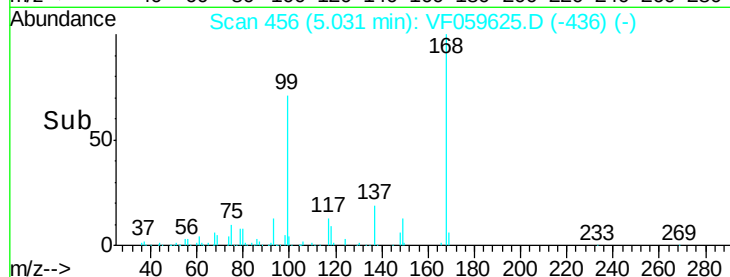
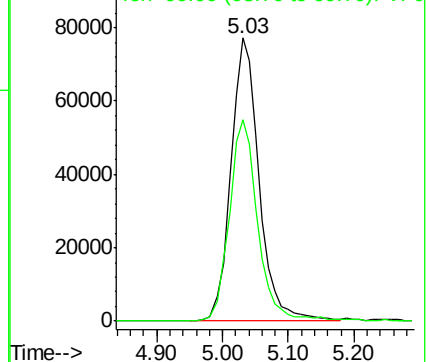
168 100

99 71.4 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.125 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF059625.D

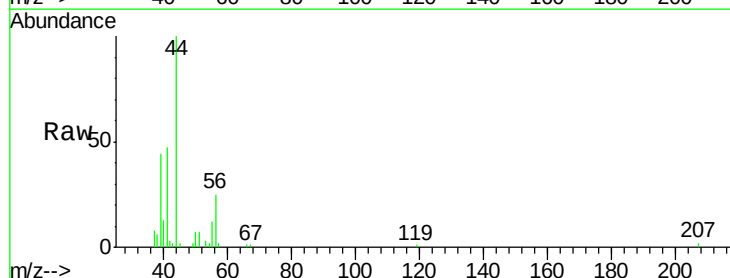
Acq: 23 Jul 2018 20:27

Tgt Ion: 50 Resp: 1493

Ion Ratio Lower Upper

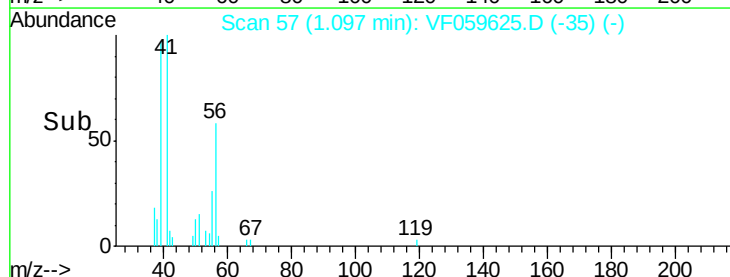
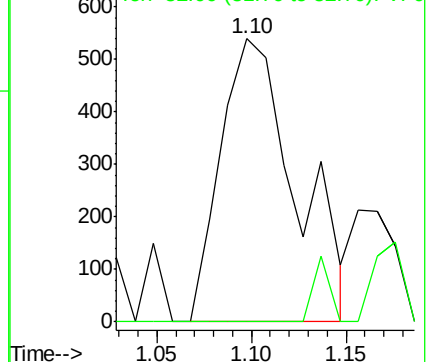
50 100

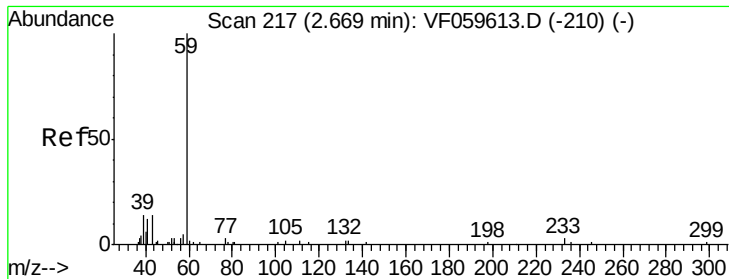
52 0.0 23.7 35.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

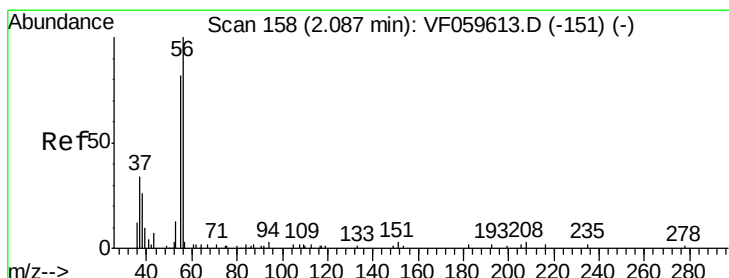
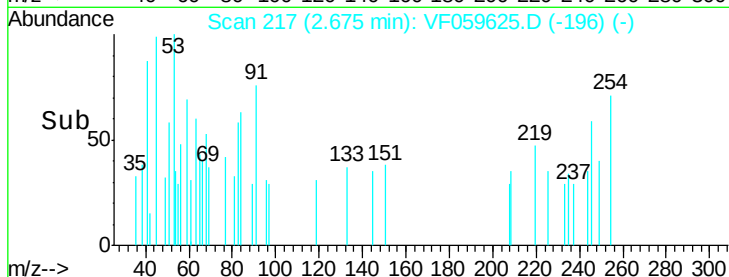
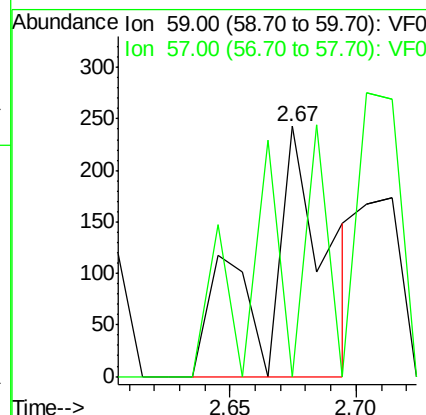
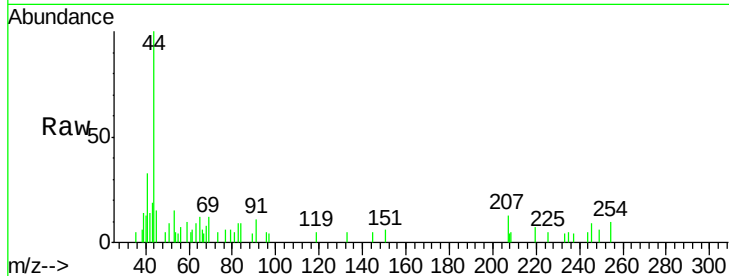




#11
Tert butyl alcohol
Concen: 2.834 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.01 min
Lab File: VF059625.D
Acq: 23 Jul 2018 20:27

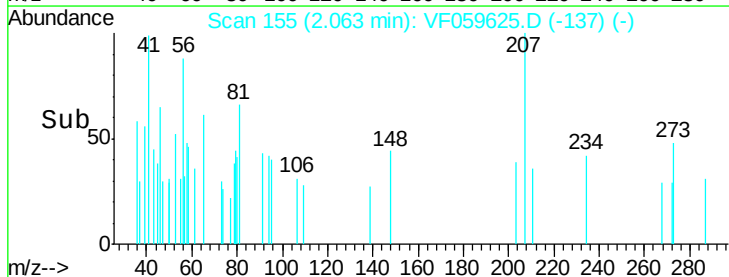
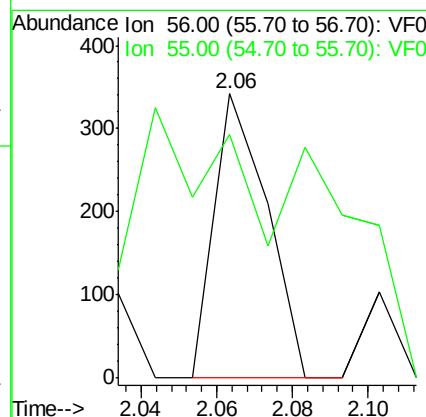
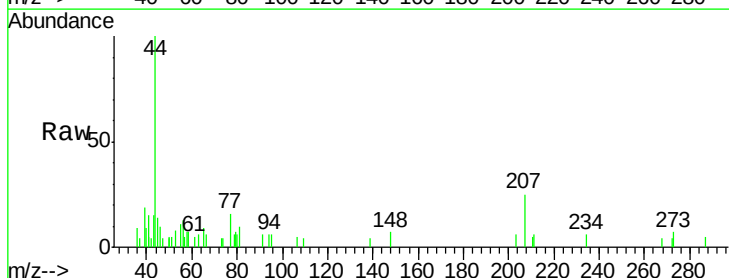
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-05

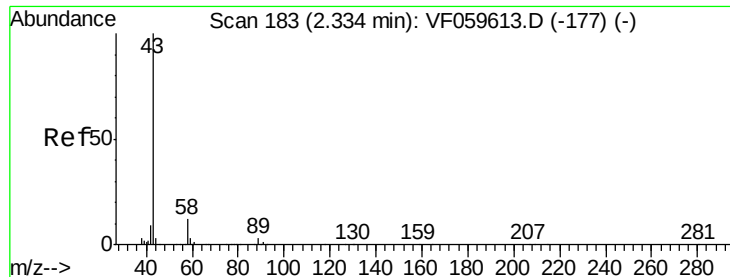
Tgt Ion: 59 Resp: 421
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 4.390 ug/l
RT: 2.06 min Scan# 155
Delta R.T. -0.02 min
Lab File: VF059625.D
Acq: 23 Jul 2018 20:27

Tgt Ion: 56 Resp: 327
Ion Ratio Lower Upper
56 100
55 85.7 65.6 98.4





#16

Acetone

Concen: 11.937 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059625.D

Acq: 23 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

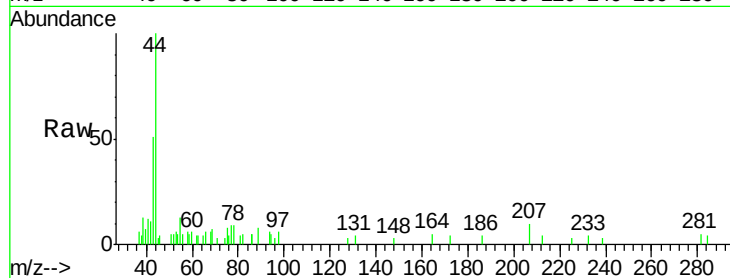
GL-TOPSOIL-05

Tgt Ion: 43 Resp: 7470

Ion Ratio Lower Upper

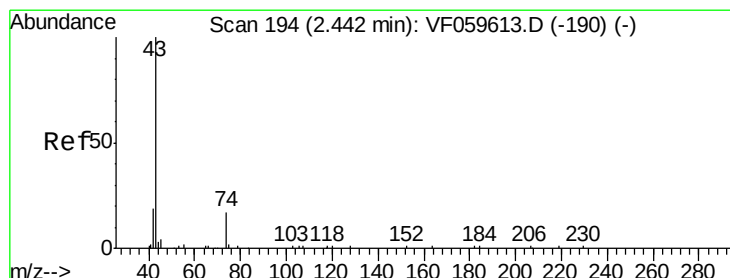
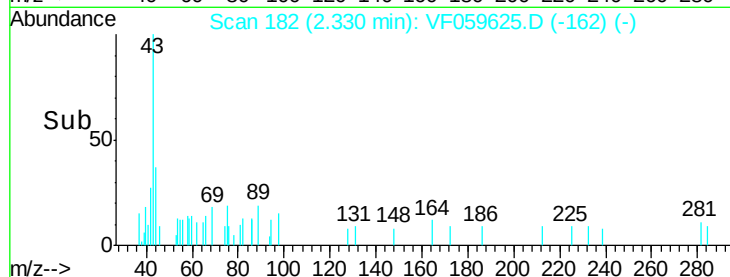
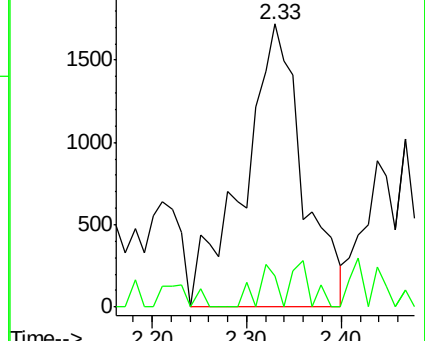
43 100

58 11.1 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: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF059625.D

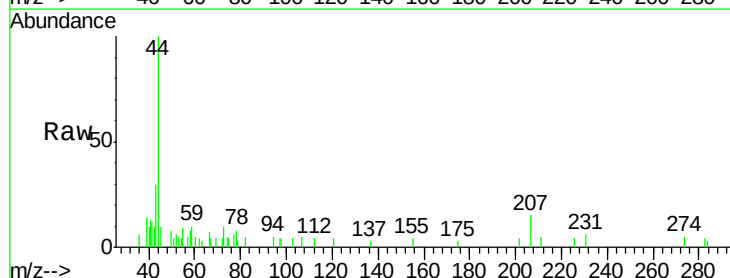
Acq: 23 Jul 2018 20:27

Tgt Ion: 43 Resp: 1101

Ion Ratio Lower Upper

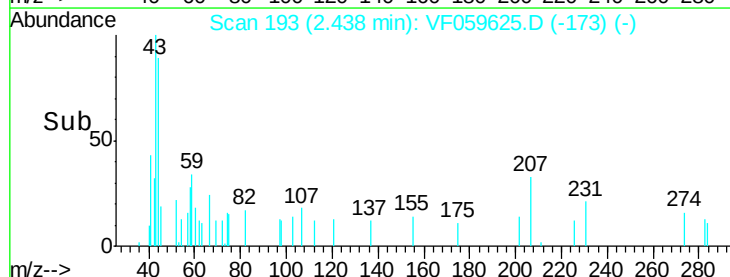
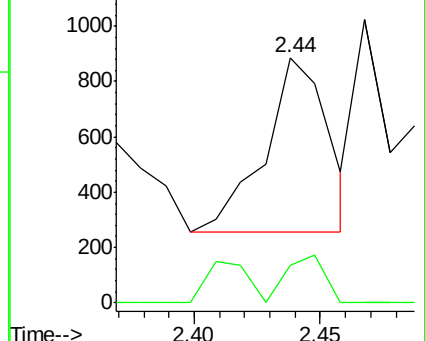
43 100

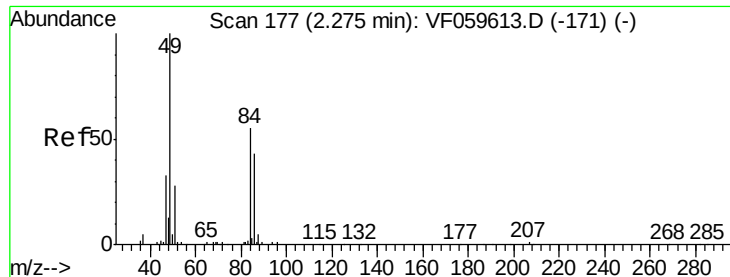
74 15.6 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

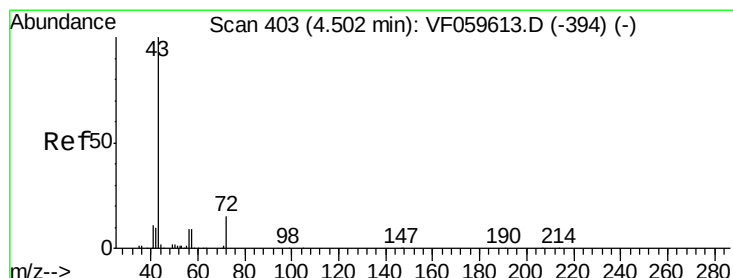
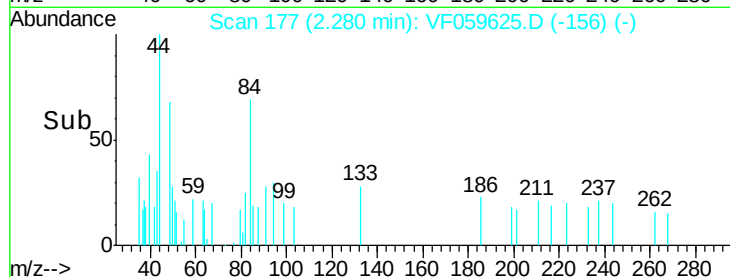
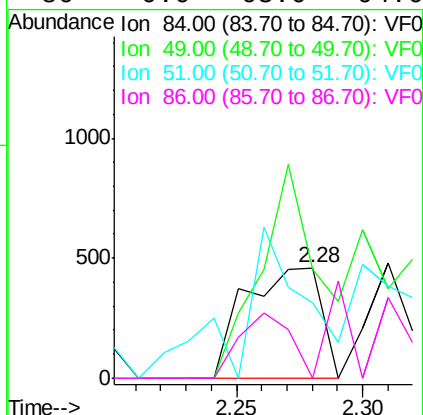
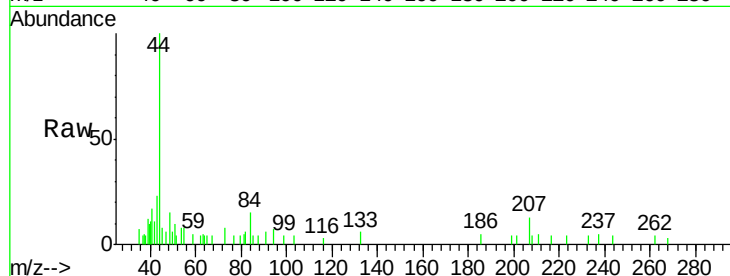




#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059625.D
Acq: 23 Jul 2018 20:27

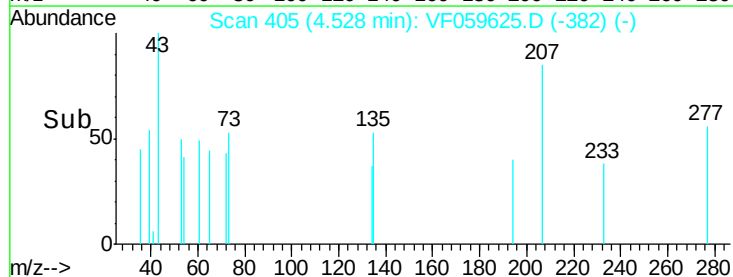
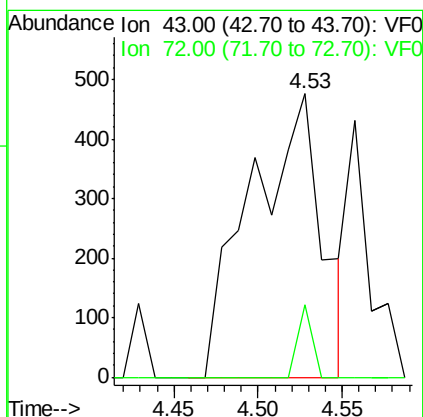
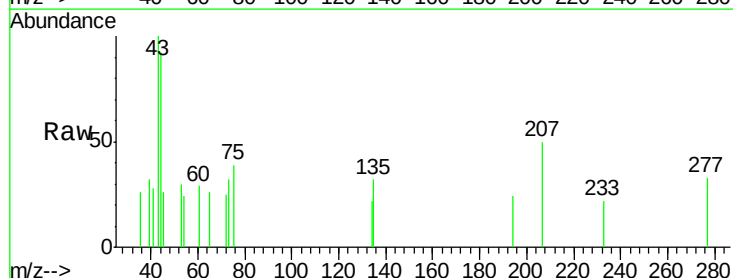
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-05

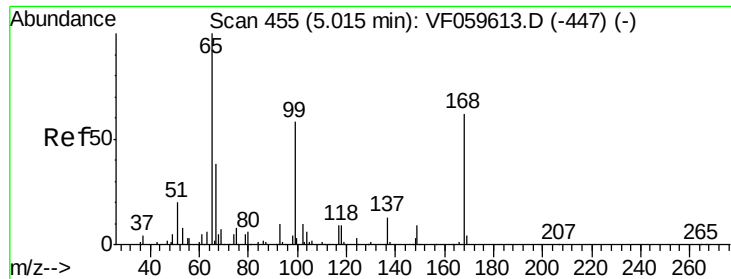
Tgt Ion:	84	Resp:	962
Ion	Ratio	Lower	Upper
84	100		
49	98.7	148.6	222.8#
51	92.6	42.7	64.1#
86	0.0	63.0	94.6#



#25
2-Butanone
Concen: 2.164 ug/l
RT: 4.53 min Scan# 405
Delta R.T. 0.03 min
Lab File: VF059625.D
Acq: 23 Jul 2018 20:27

Tgt Ion:	43	Resp:	1396
Ion	Ratio	Lower	Upper
43	100		
72	25.4	12.9	19.3#

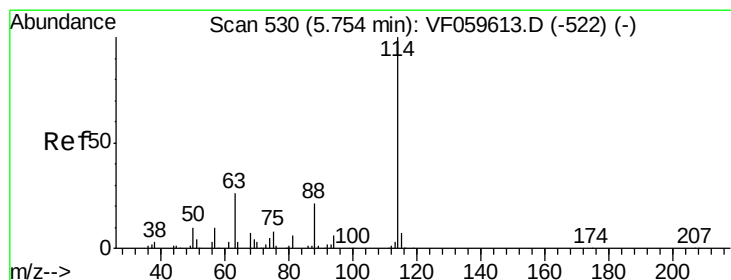
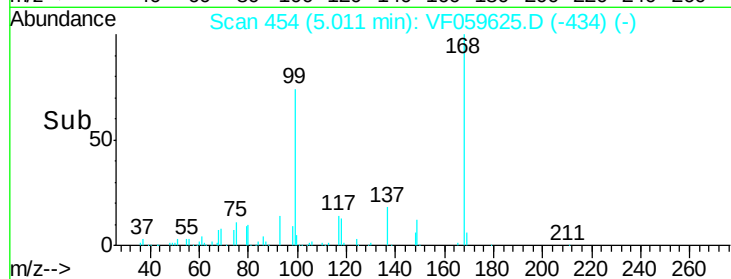
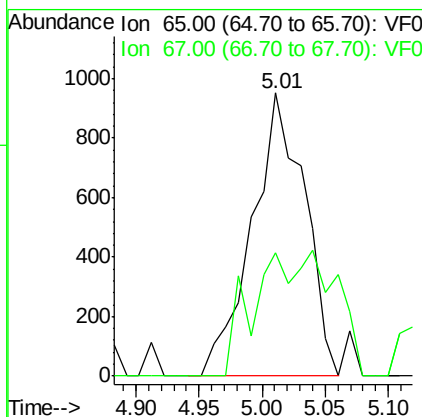
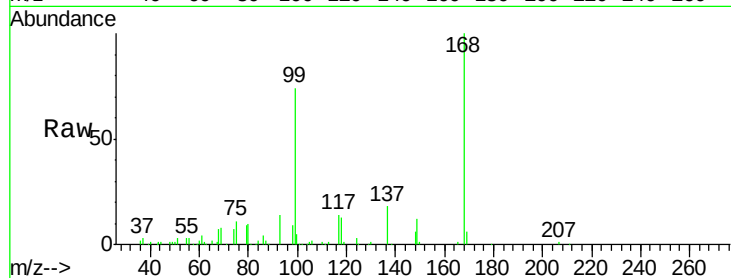




#33
 1,2-Dichloroethane-d4
 Concen: 0.759 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059625.D
 Acq: 23 Jul 2018 20:27

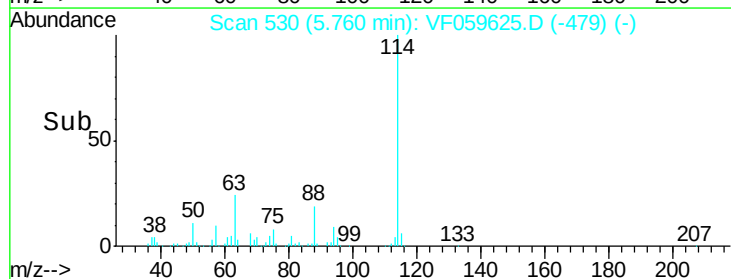
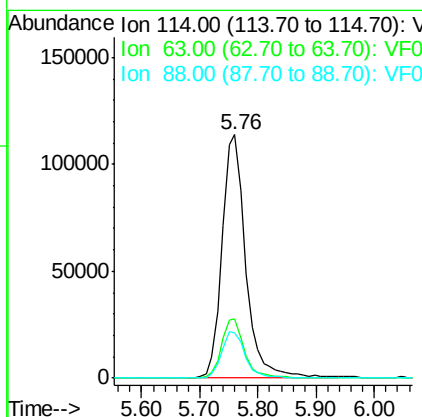
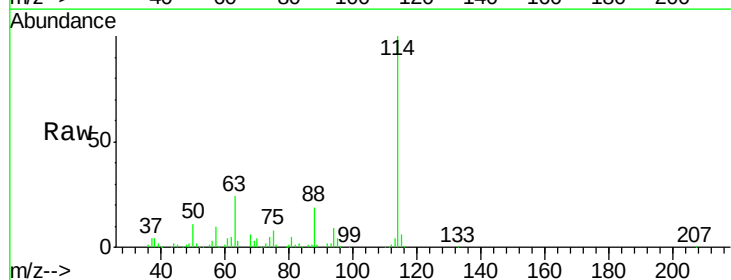
Instrument :
 MSVOA_F
 ClientSampled :
 GL-TOPSOIL-05

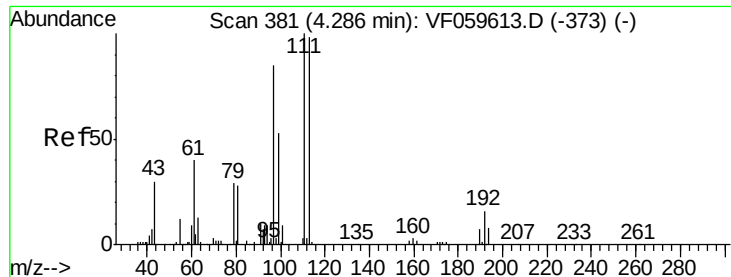
Tgt Ion: 65 Resp: 2771
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 83.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VF059625.D
 Acq: 23 Jul 2018 20:27

Tgt Ion: 114 Resp: 320935
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 51.8
 88 18.8 0.0 42.8





#35

Dibromofluoromethane

Concen: 0.447 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059625.D

Acq: 23 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-05

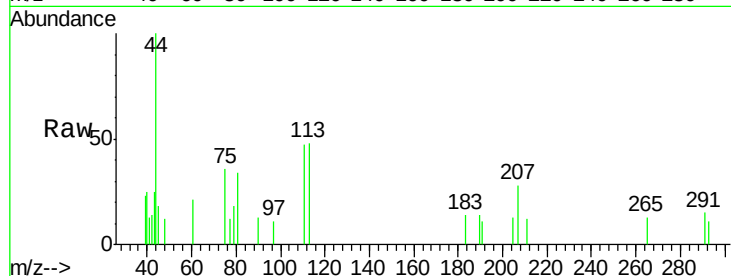
Tgt Ion: 113 Resp: 1323

Ion Ratio Lower Upper

113 100

111 99.3 81.5 122.3

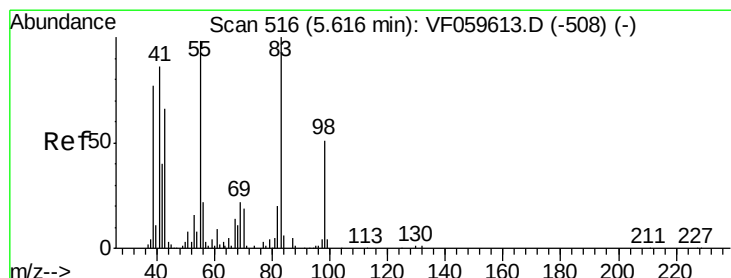
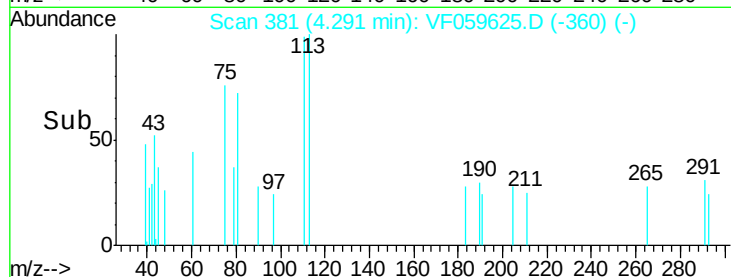
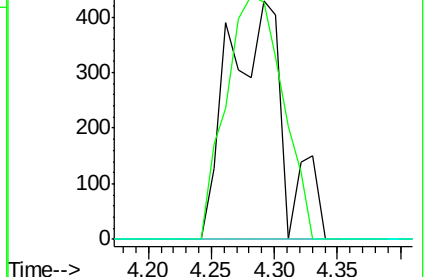
192 0.0 13.4 20.2#



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: 2.048 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.14 min

Lab File: VF059625.D

Acq: 23 Jul 2018 20:27

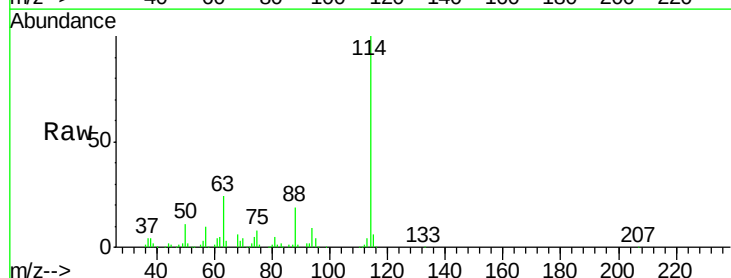
Tgt Ion: 83 Resp: 5401

Ion Ratio Lower Upper

83 100

55 25.7 78.5 117.7#

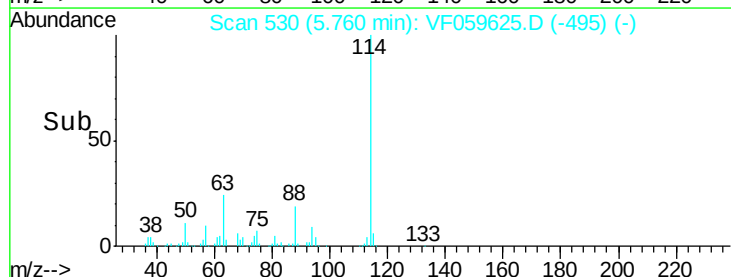
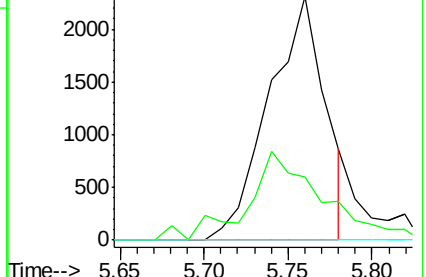
98 0.0 41.1 61.7#

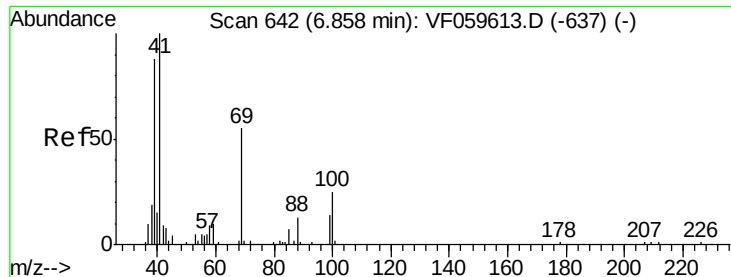


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

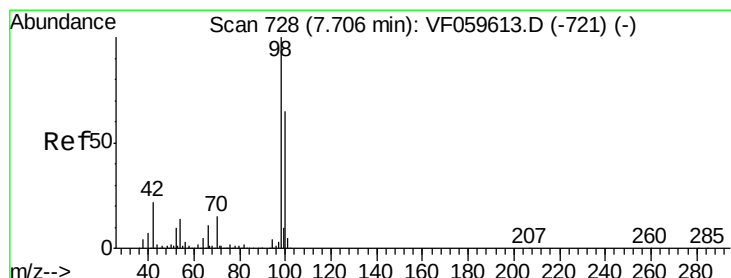
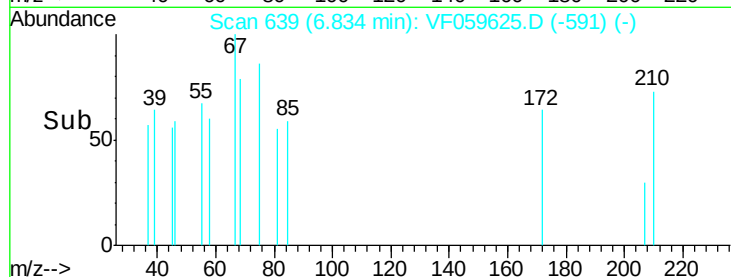
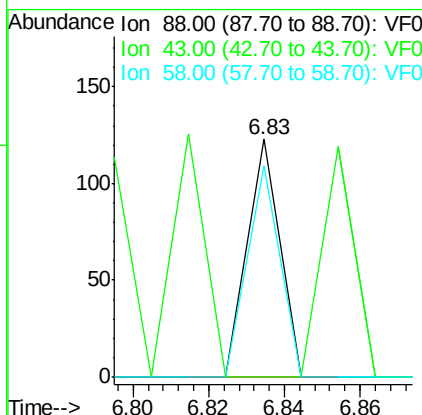
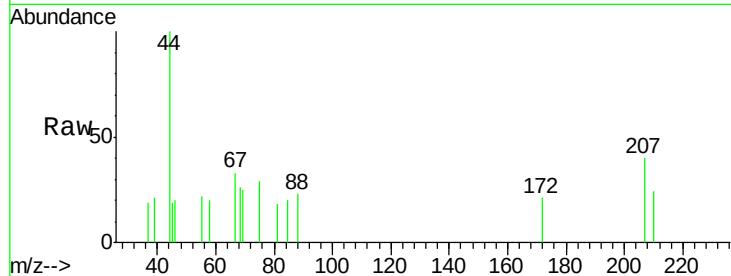




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.83 min Scan# 639
Delta R.T. -0.02 min
Lab File: VF059625.D
Acq: 23 Jul 2018 20:27

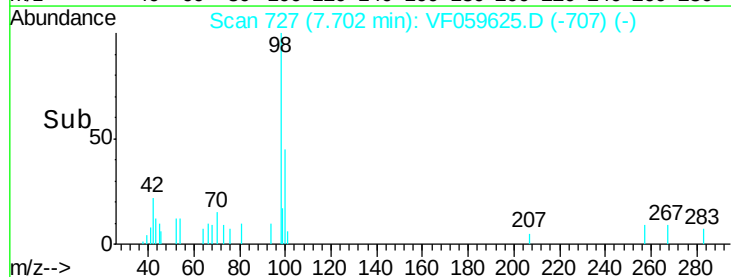
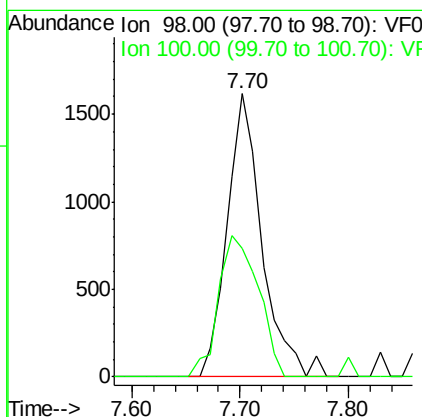
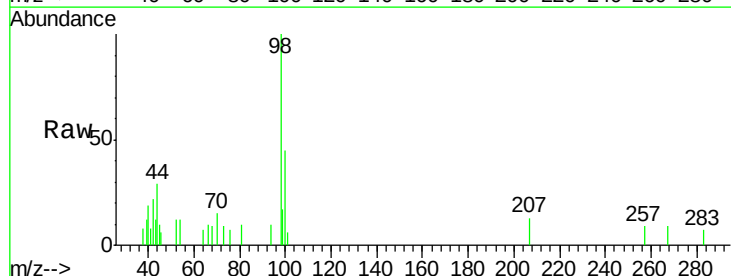
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-05

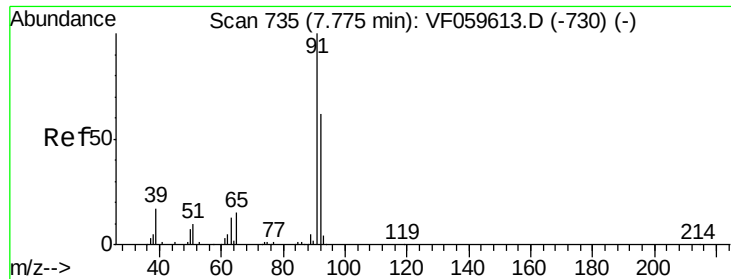
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 0.0 54.2 81.4#
58 88.6 54.3 81.5#



#50
Toluene-d8
Concen: 0.489 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059625.D
Acq: 23 Jul 2018 20:27

Tgt Ion: 98 Resp: 3625
Ion Ratio Lower Upper
98 100
100 45.5 51.6 77.4#

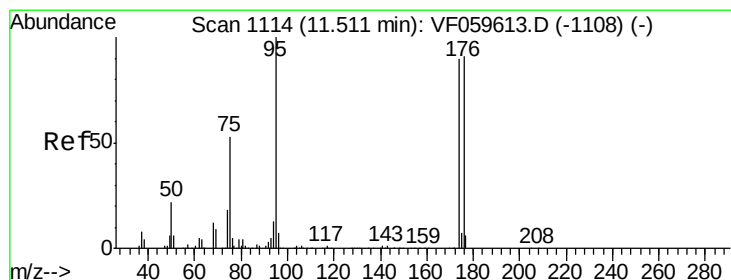
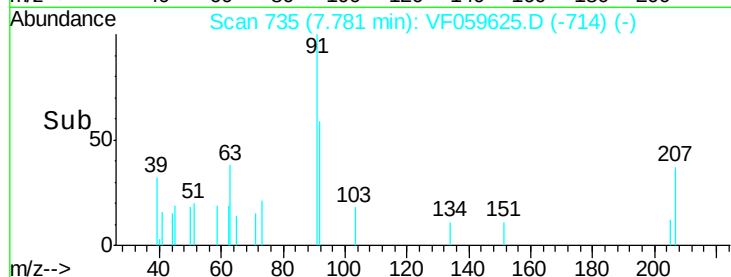
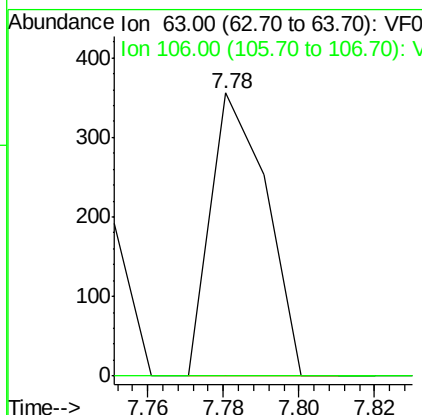
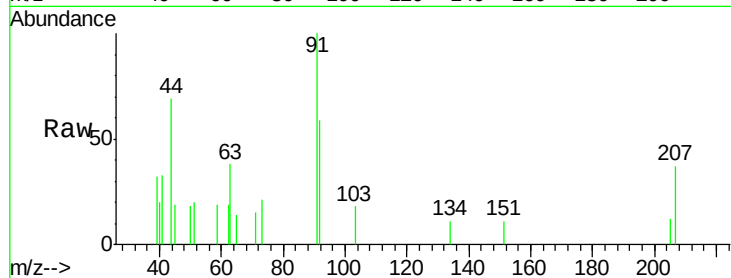




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.806 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VF059625.D
 Acq: 23 Jul 2018 20:27

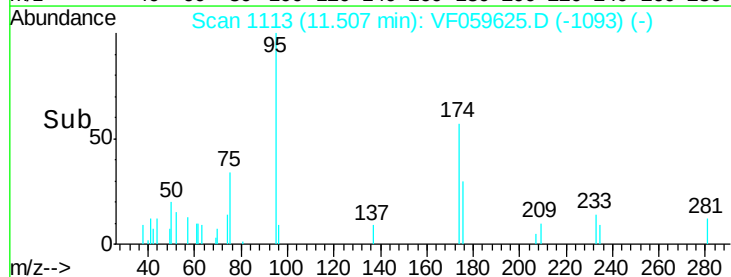
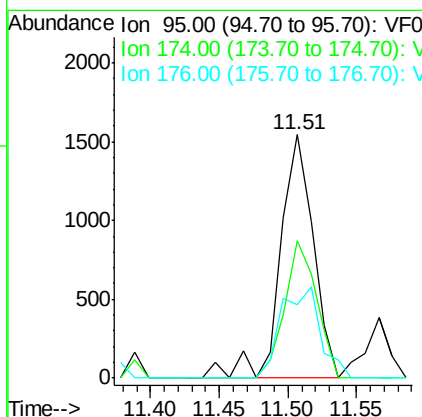
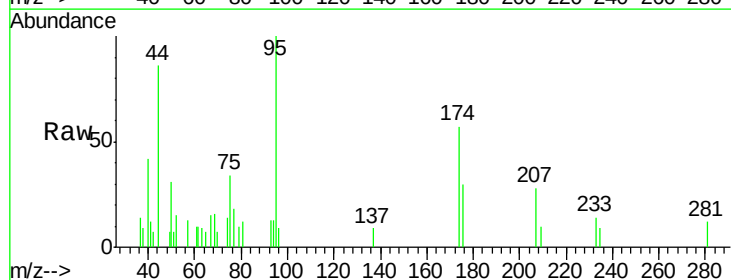
Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-05

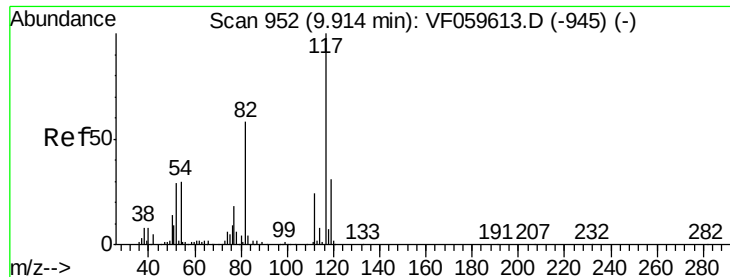
Tgt Ion: 63 Resp: 360
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 0.599 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF059625.D
 Acq: 23 Jul 2018 20:27

Tgt Ion: 95 Resp: 2562
 Ion Ratio Lower Upper
 95 100
 174 56.7 0.0 180.6
 176 30.2 0.0 182.4

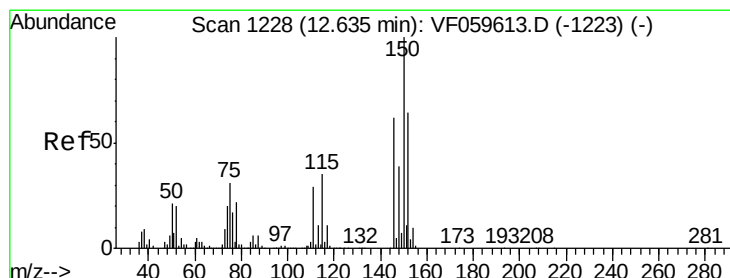
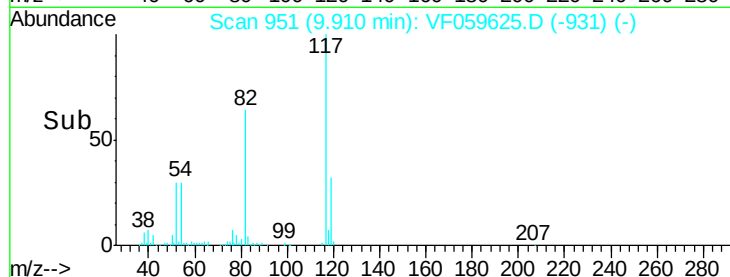
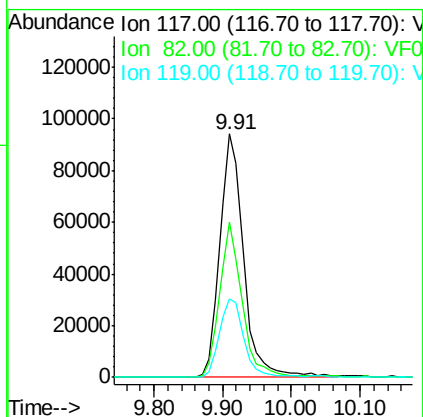
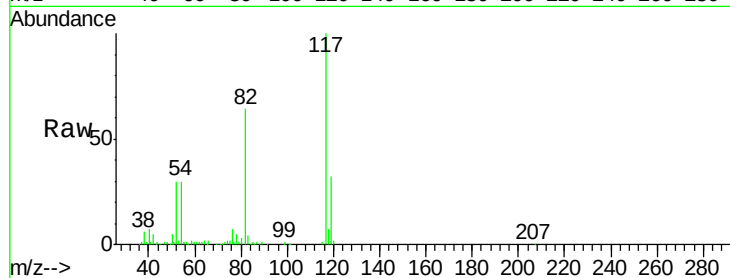




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059625.D
Acq: 23 Jul 2018 20:27

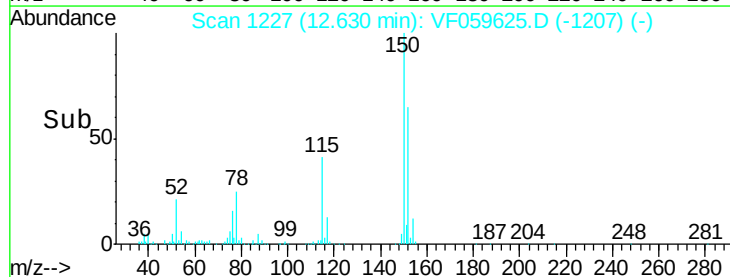
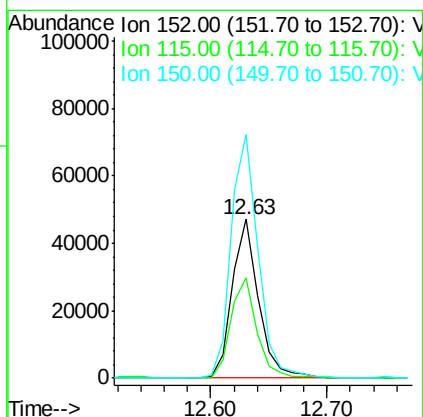
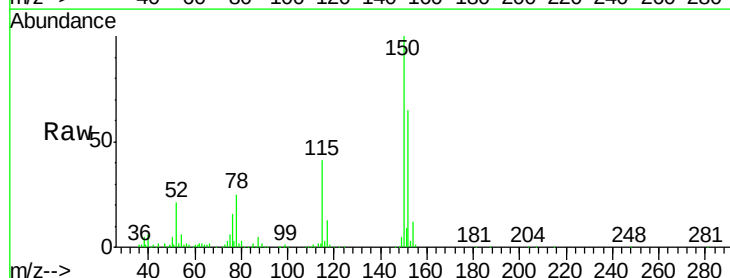
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-05

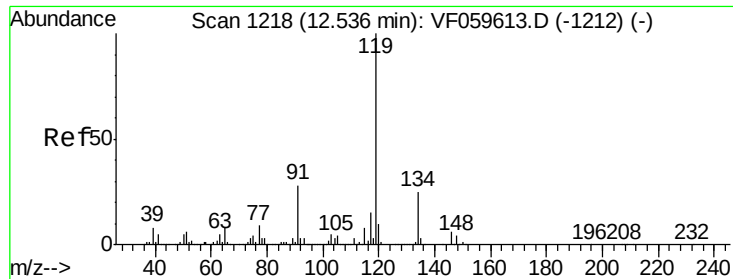
Tgt Ion:117 Resp: 225724
Ion Ratio Lower Upper
117 100
82 63.9 46.5 69.7
119 32.3 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059625.D
Acq: 23 Jul 2018 20:27

Tgt Ion:152 Resp: 74399
Ion Ratio Lower Upper
152 100
115 62.8 27.8 83.4
150 153.5 0.0 314.6

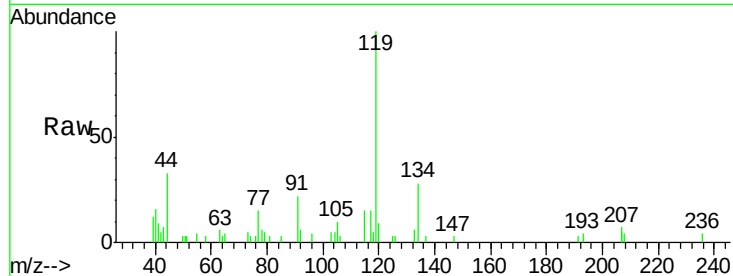




#86
 p-Isopropyltoluene
 Concen: 1.077 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059625.D
 Acq: 23 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-05

Tgt Ion:	119	Resp:	5124
Ion	Ratio	Lower	Upper
119	100		
134	28.2	12.4	37.2
91	21.7	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): VF0

