

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060009.D
 Acq On : 20 Aug 2018 18:28
 Operator : VA/AP
 Sample : J4496-01
 Misc : 5.08g/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CARLSTADT-TOP-SOIL

Quant Time: Aug 21 04:28:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	221955	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	321957	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	246222	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	153448	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	170303	39.75	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	79.50%	
35) Dibromofluoromethane	4.29	113	156200	47.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.94%	
50) Toluene-d8	7.71	98	378311	51.70	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.51	95	140874	31.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	62.74%	

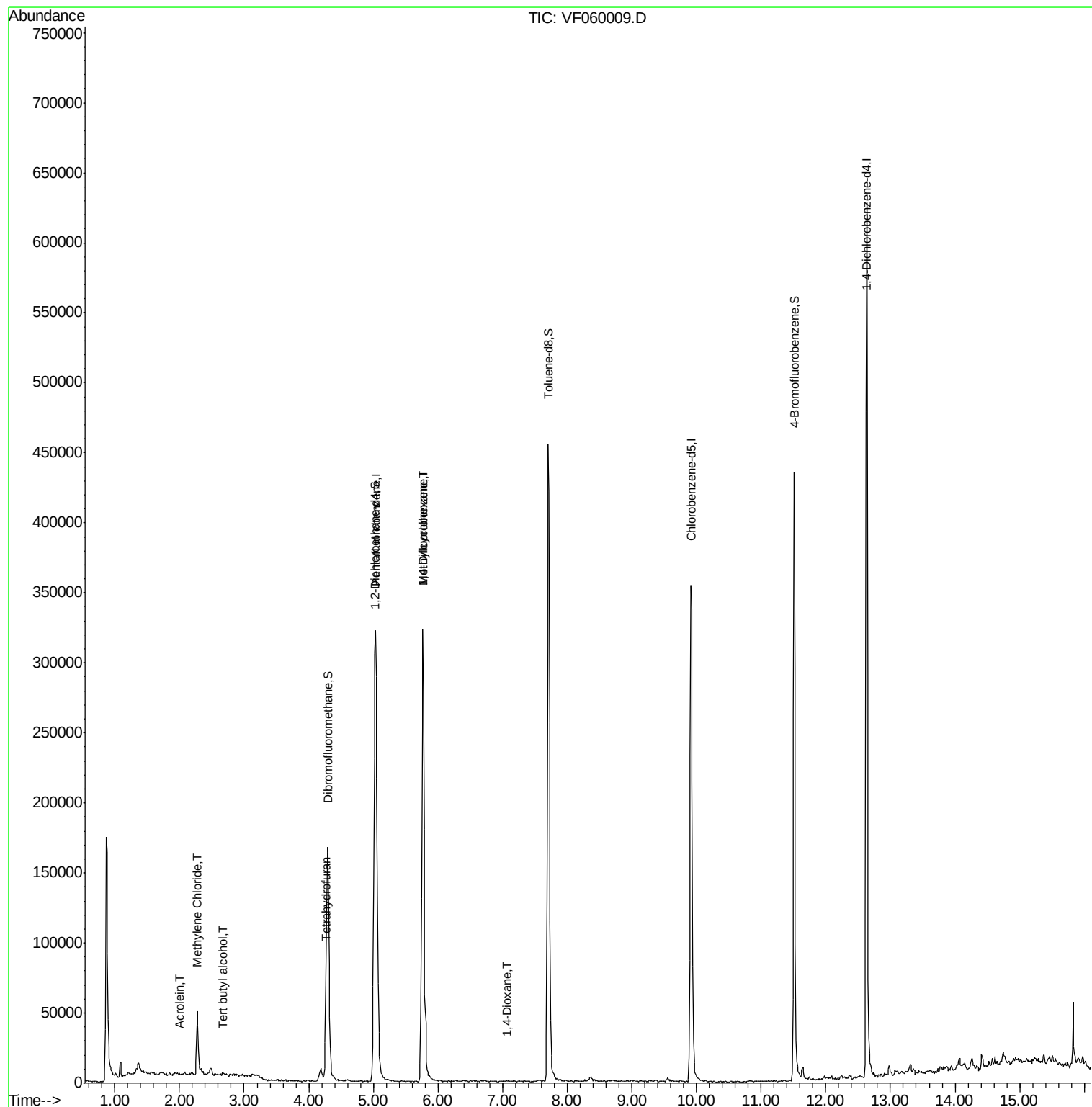
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	1176	Below Cal	#	82
5) Bromomethane	1.33	94	1395	Below Cal		84
11) Tert butyl alcohol	2.69	59	489	1.96	ug/l #	1
13) Acrolein	1.99	56	244	14.38	ug/l	94
16) Acetone	2.34	43	4039	Below Cal	#	83
18) Methyl Acetate	2.49	43	1972	Below Cal	#	63
20) Methylene Chloride	2.27	84	18341	3.98	ug/l #	94
29) Tetrahydrofuran	4.26	42	495	1.34	ug/l #	51
39) Methylcyclohexane	5.77	83	4899	1.78	ug/l #	29
49) 1,4-Dioxane	7.05	88	100	63.85	ug/l #	5

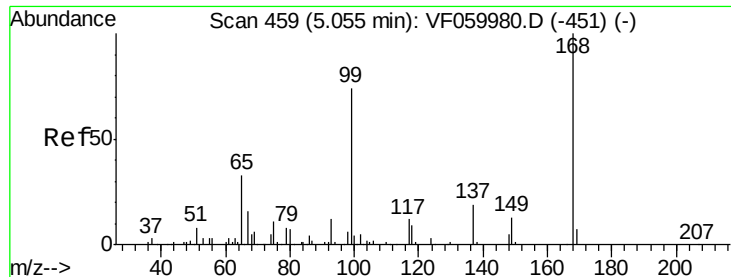
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060009.D

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MSVOA_F

ClientSampleId :

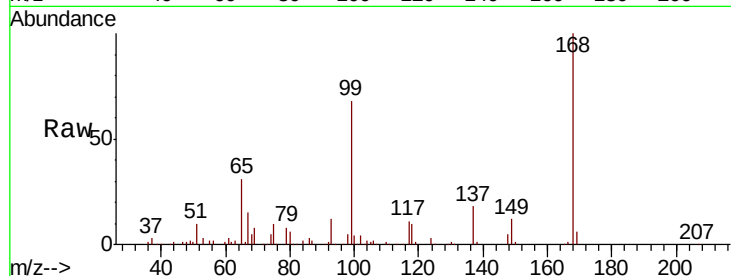
CARLSTADT-TOP-SOIL

Tot Ion:168 Resp: 221955

Ion Ratio Lower Upper

168 100

99 68.2 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

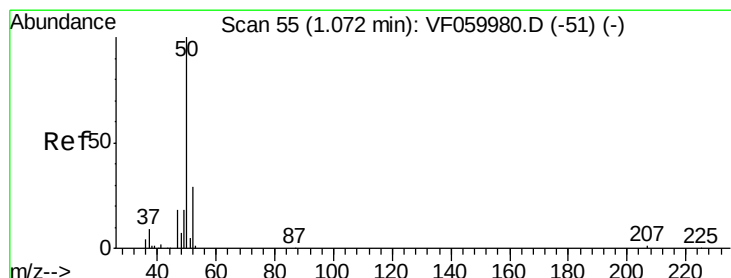
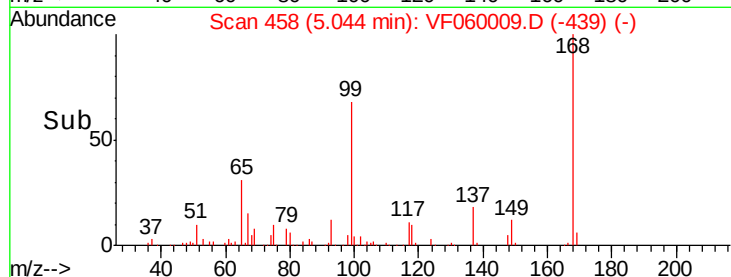
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060009.D

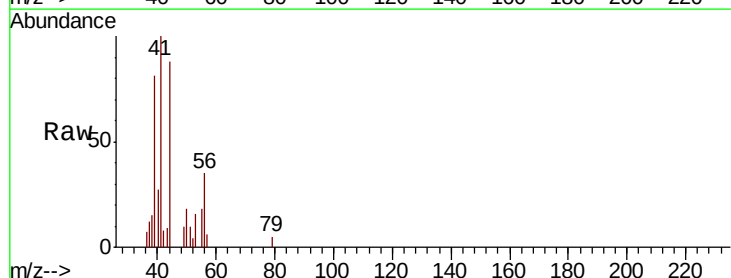
Acq: 20 Aug 2018 18:28

Tgt Ion: 50 Resp: 1176

Ion Ratio Lower Upper

50 100

52 19.6 23.6 35.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

600

500

400

300

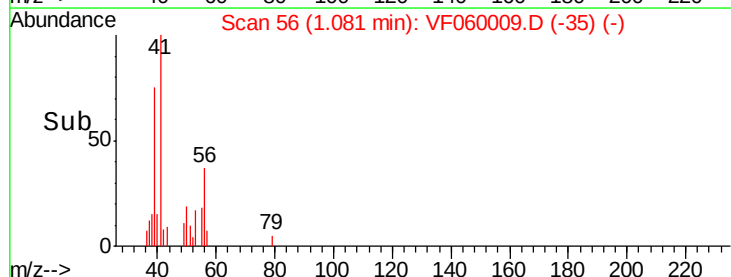
200

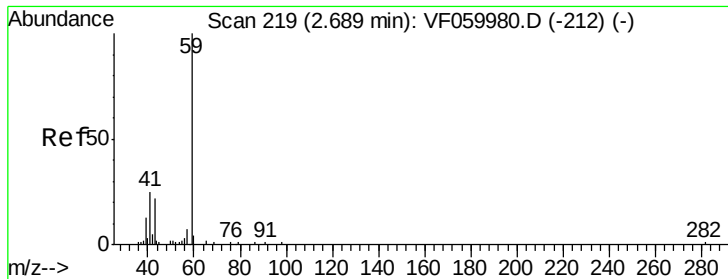
100

0

Time-->

1.00 1.05 1.10 1.15

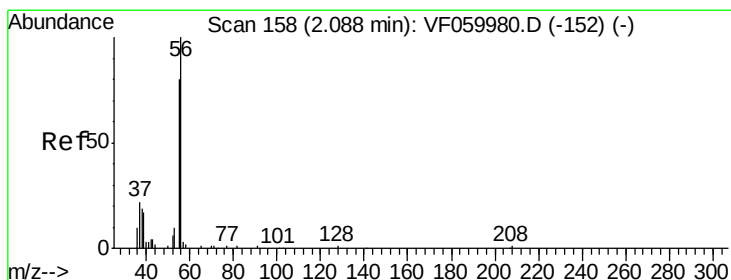
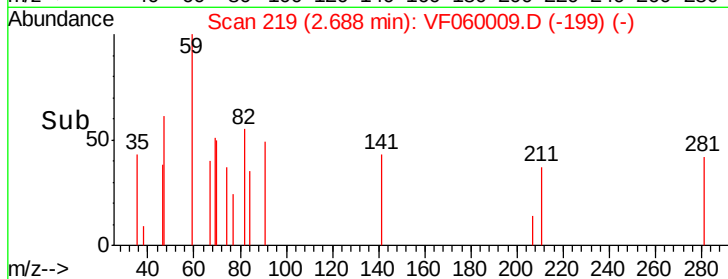
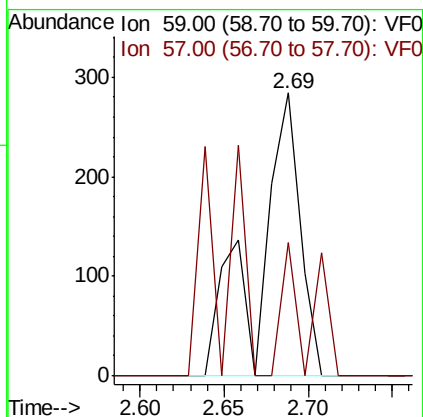
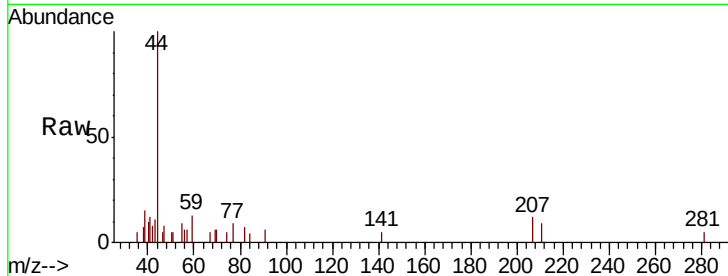




#11
Tert butyl alcohol
Concen: 1.96 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.00 min
Lab File: VF060009.D
Acq: 20 Aug 2018 18:28

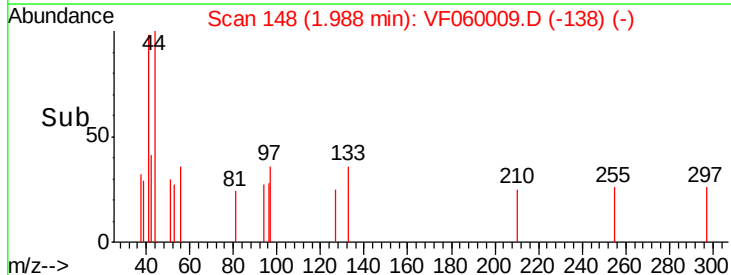
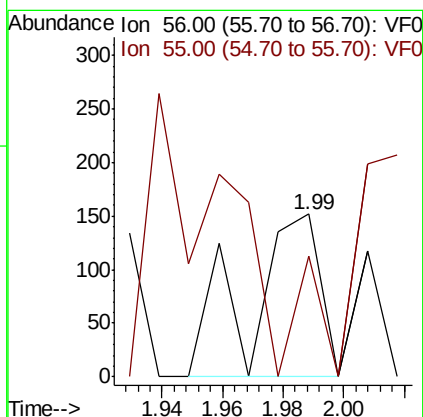
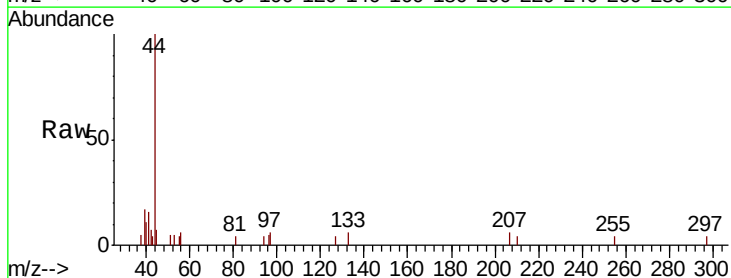
Instrument :
MSVOA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

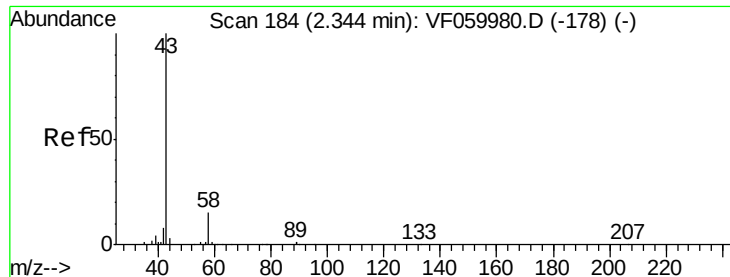
Tot Ion: 59 Resp: 489
Ion Ratio Lower Upper
59 100
57 47.2 6.8 10.2#



#13
Acrolein
Concen: 14.38 ug/l
RT: 1.99 min Scan# 148
Delta R.T. -0.10 min
Lab File: VF060009.D
Acq: 20 Aug 2018 18:28

Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 74.3 63.8 95.6





#16

Acetone

Concen: Below Cal

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060009.D

Acq: 20 Aug 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

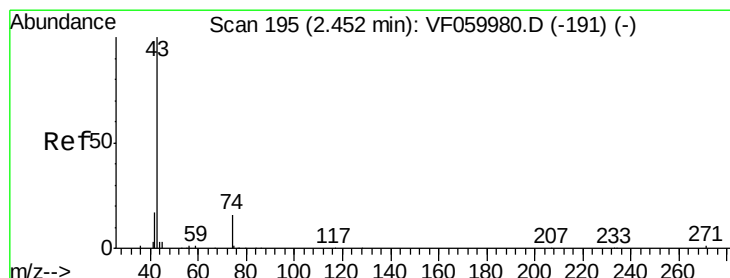
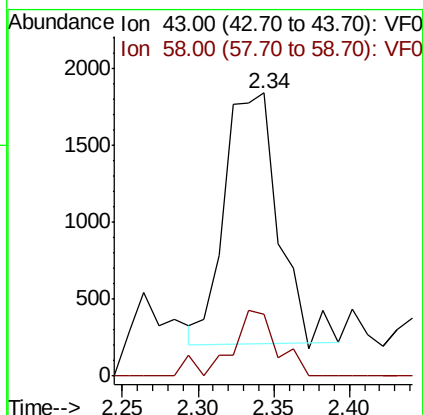
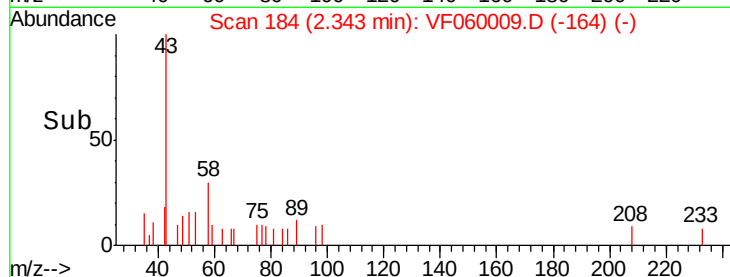
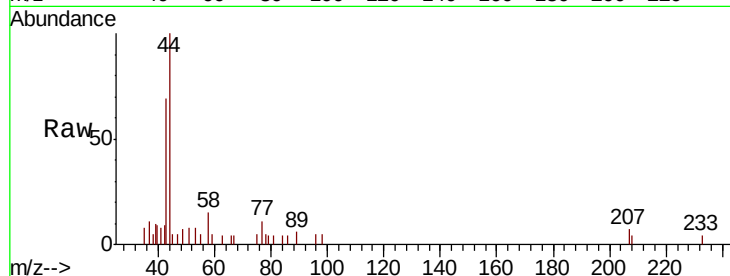
CARLSTADT-TOP-SOIL

Tot Ion: 43 Resp: 4039

Ion Ratio Lower Upper

43 100

58 21.9 11.9 17.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.49 min Scan# 199

Delta R.T. 0.04 min

Lab File: VF060009.D

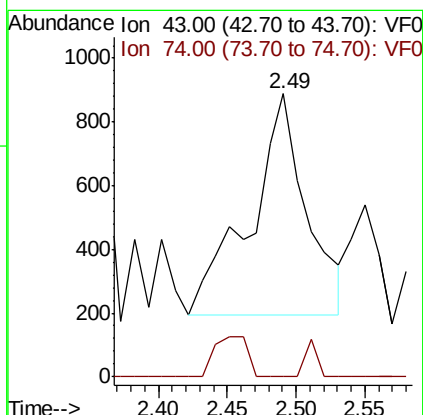
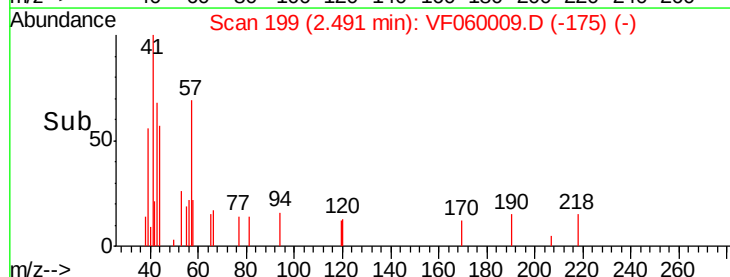
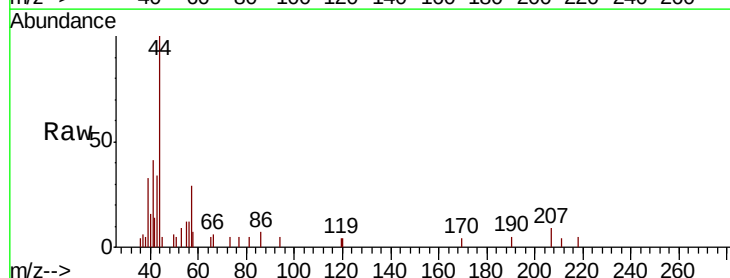
Acq: 20 Aug 2018 18:28

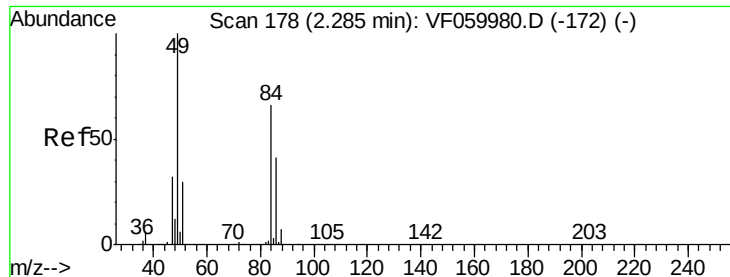
Tgt Ion: 43 Resp: 1972

Ion Ratio Lower Upper

43 100

74 0.0 12.3 18.5#

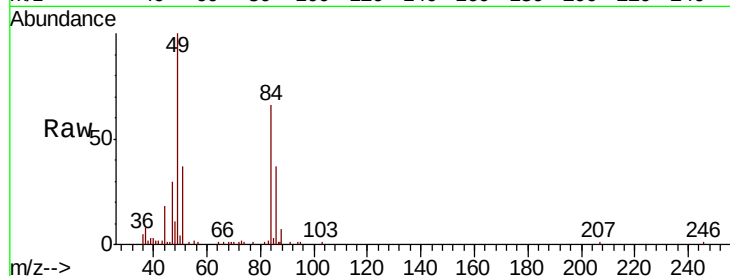




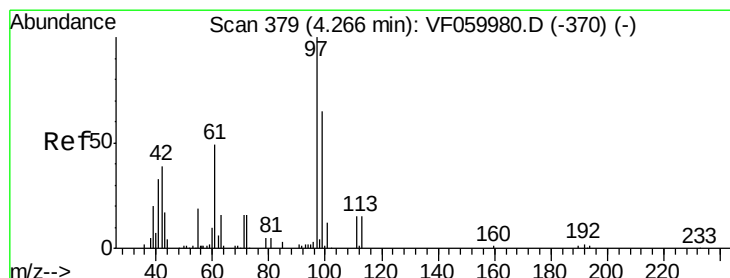
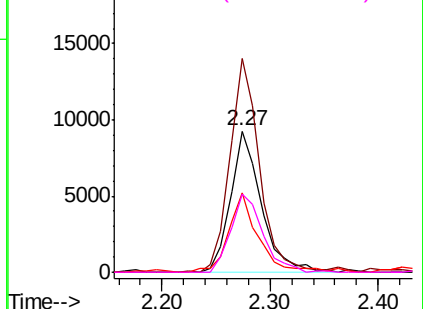
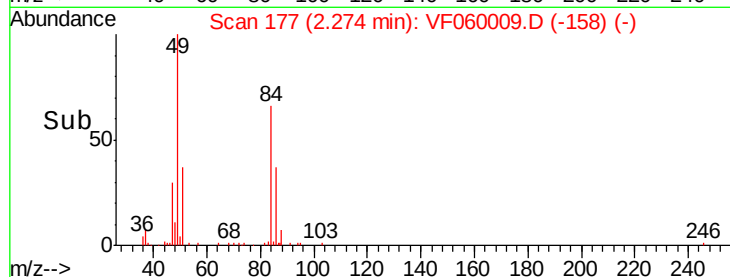
#20
Methylene Chloride
Concen: 3.98 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF060009.D
Acq: 20 Aug 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

Tot Ion: 84 Resp: 18341
Ion Ratio Lower Upper
84 100
49 151.4 122.5 183.7
51 56.6 37.1 55.7#
86 55.5 50.2 75.2

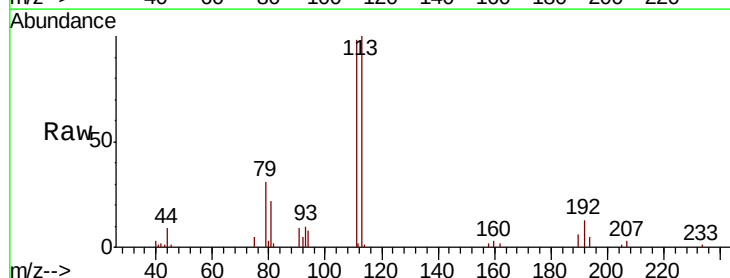


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

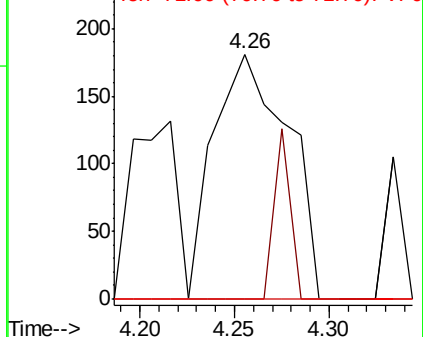
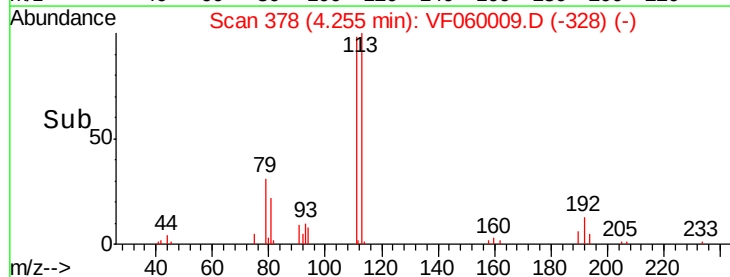


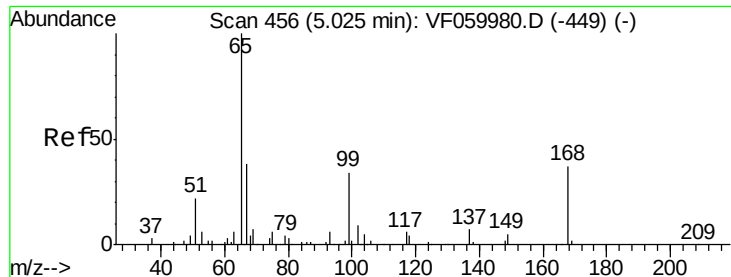
#29
Tetrahydrofuran
Concen: 1.34 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF060009.D
Acq: 20 Aug 2018 18:28

Tgt Ion: 42 Resp: 495
Ion Ratio Lower Upper
42 100
72 14.9 29.8 44.6#
71 0.0 29.0 43.4#



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

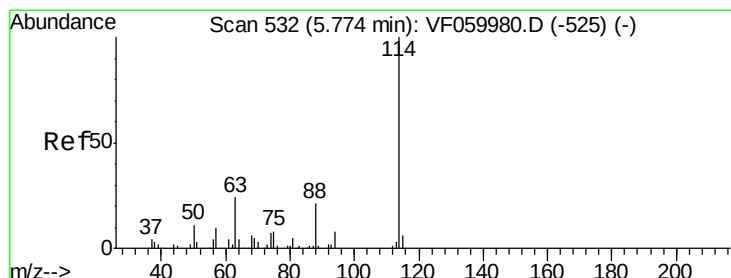
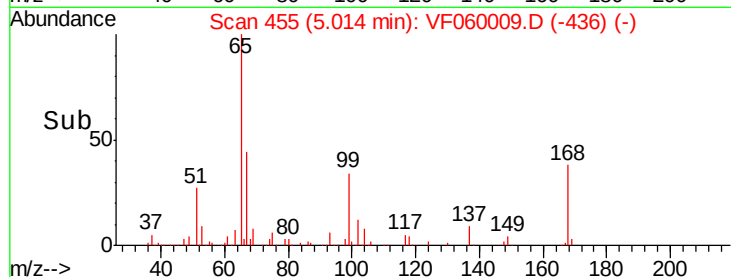
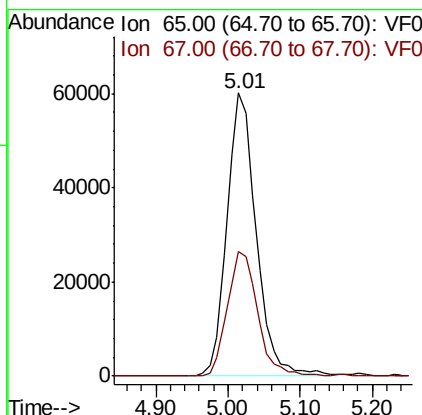
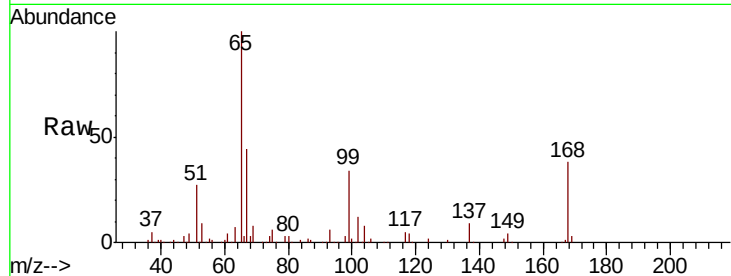




#33
 1,2-Dichloroethane-d4
 Concen: 39.75 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF060009.D
 Acq: 20 Aug 2018 18:28

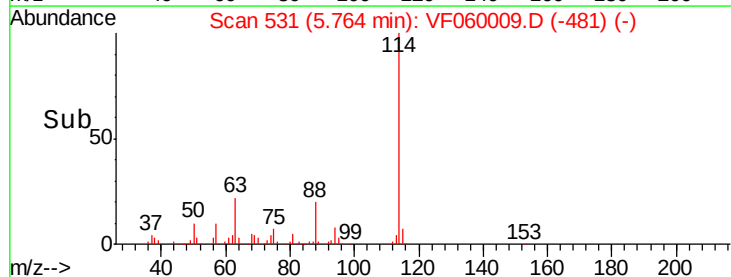
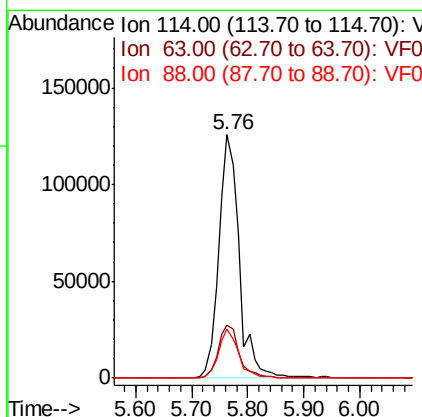
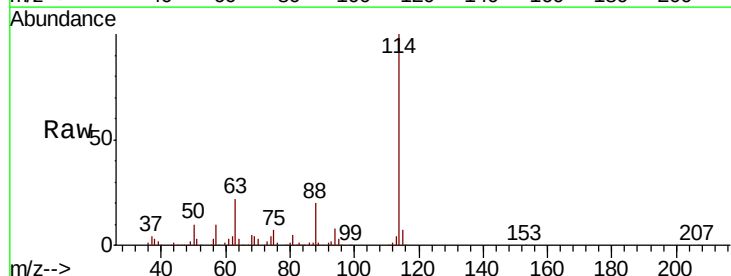
Instrument :
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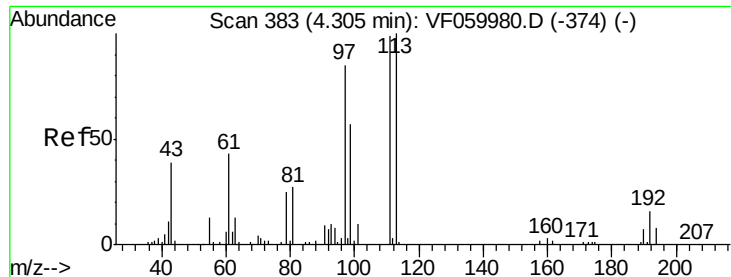
Tot Ion: 65 Resp: 170303
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060009.D
 Acq: 20 Aug 2018 18:28

Tgt Ion: 114 Resp: 321957
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 48.6
 88 20.1 0.0 42.8





#35

Dibromofluoromethane

Concen: 47.47 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060009.D

Acq: 20 Aug 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

CARLSTADT-TOP-SOIL

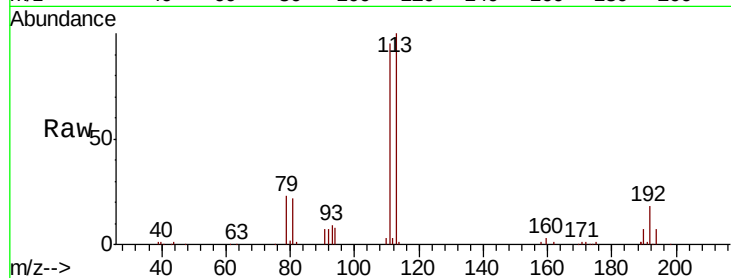
Tot Ion:113 Resp: 156200

Ion Ratio Lower Upper

113 100

111 94.7 79.5 119.3

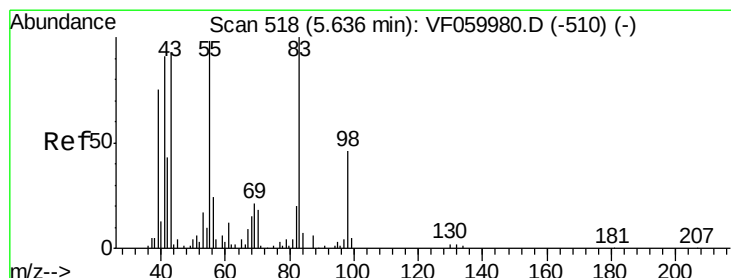
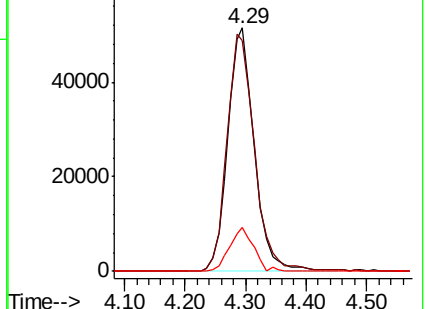
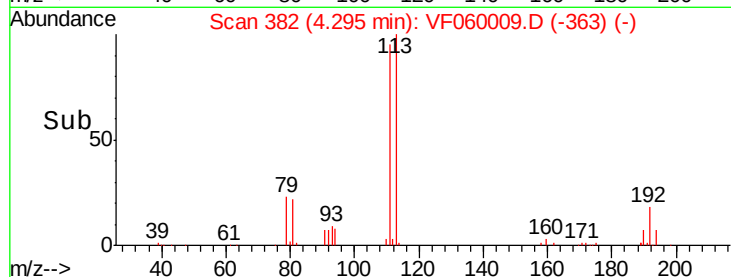
192 18.3 12.4 18.6



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: 1.78 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.14 min

Lab File: VF060009.D

Acq: 20 Aug 2018 18:28

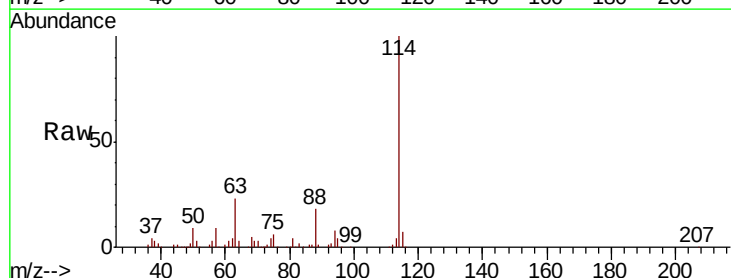
Tgt Ion: 83 Resp: 4899

Ion Ratio Lower Upper

83 100

55 27.8 78.8 118.2#

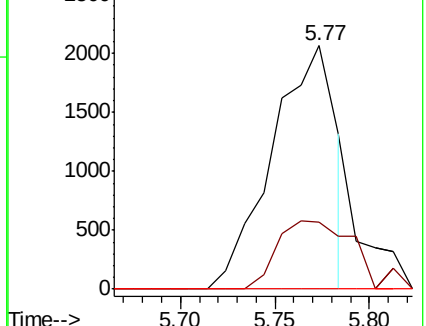
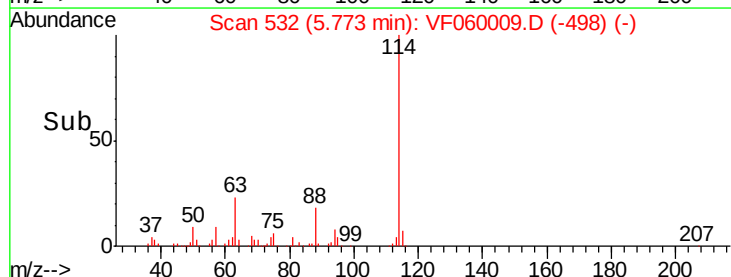
98 0.0 36.8 55.2#

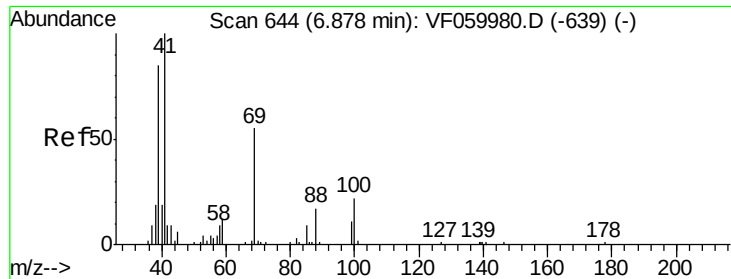


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

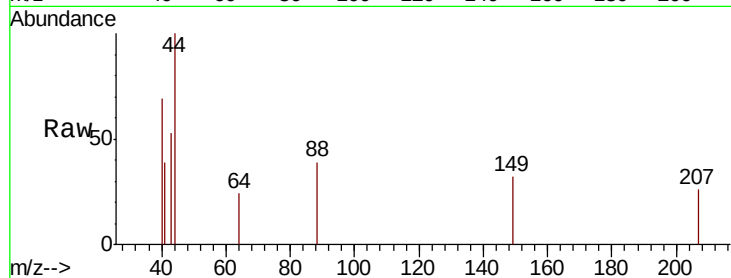




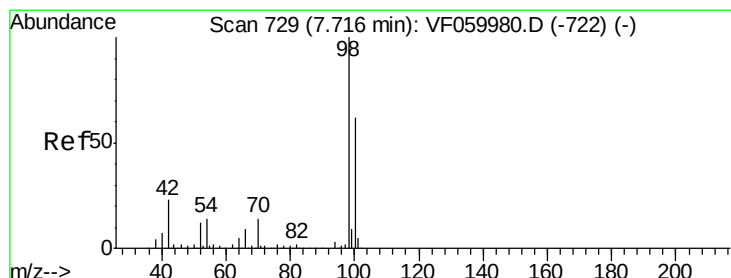
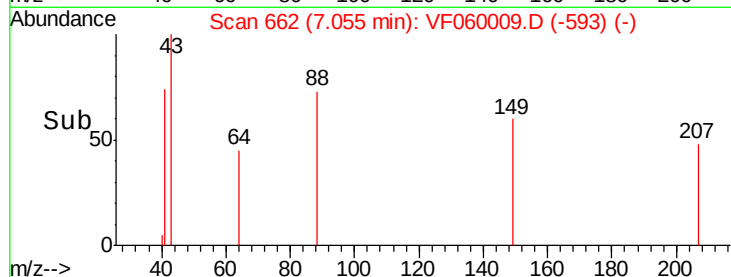
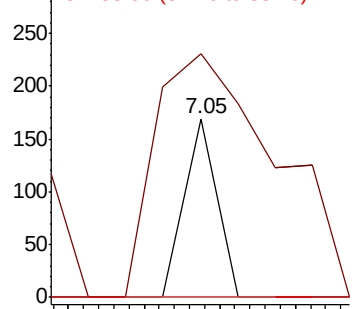
#49
1,4-Dioxane
Concen: 63.85 ug/l
RT: 7.05 min Scan# 662
Delta R.T. 0.18 min
Lab File: VF060009.D
Acq: 20 Aug 2018 18:28

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Tot Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 136.7 43.2 64.8#
58 0.0 42.0 63.0#

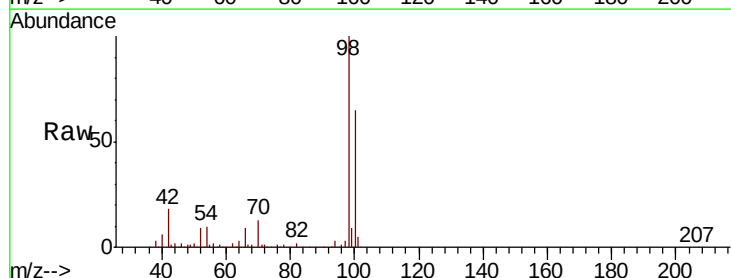


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

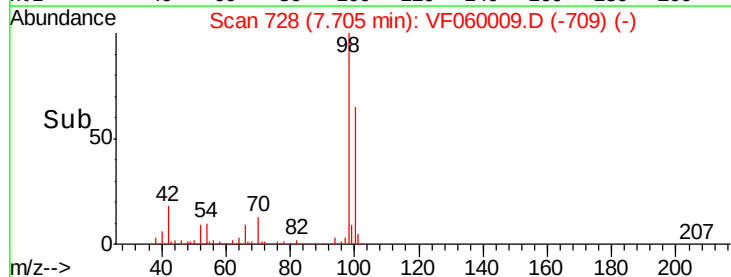
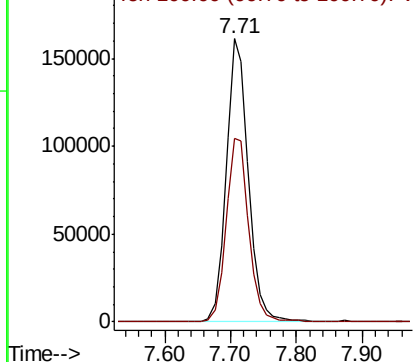


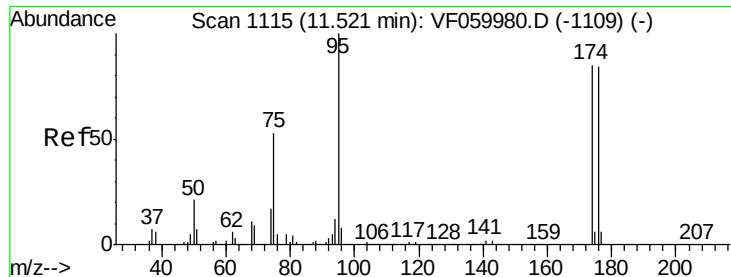
#50
Toluene-d8
Concen: 51.70 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060009.D
Acq: 20 Aug 2018 18:28

Tgt Ion: 98 Resp: 378311
Ion Ratio Lower Upper
98 100
100 64.9 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 31.37 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060009.D

Acq: 20 Aug 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

CARLSTADT-TOP-SOIL

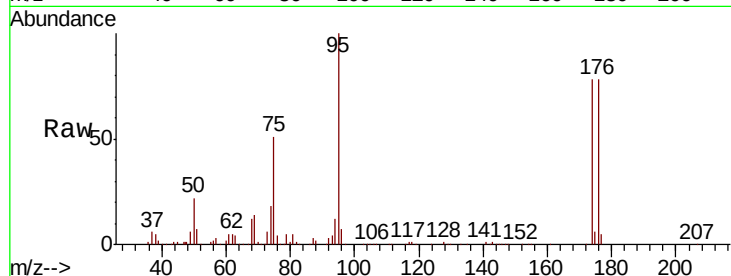
Tot Ion: 95 Resp: 140874

Ion Ratio Lower Upper

95 100

174 78.0 0.0 169.8

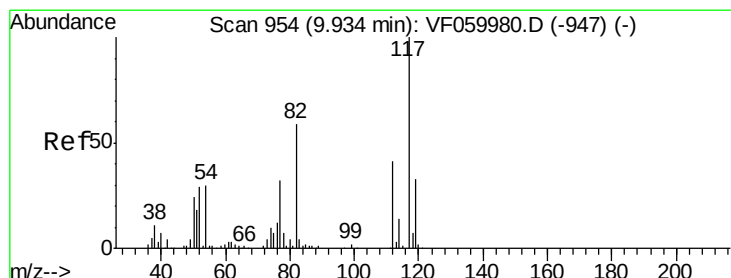
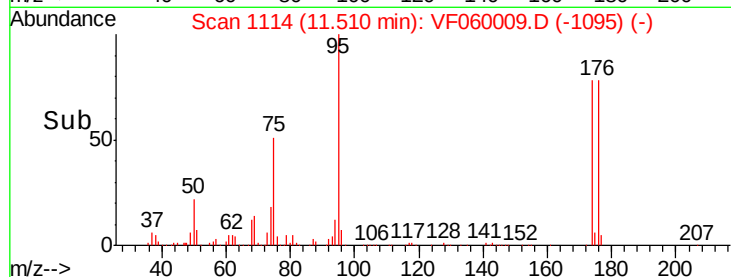
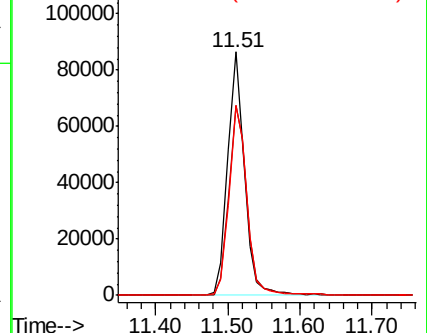
176 77.9 0.0 167.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF060009.D

Acq: 20 Aug 2018 18:28

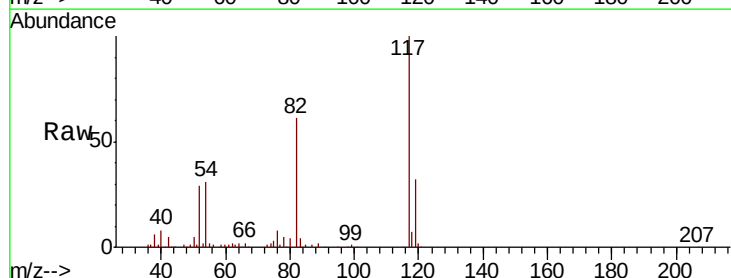
Tgt Ion: 117 Resp: 246222

Ion Ratio Lower Upper

117 100

82 61.0 47.2 70.8

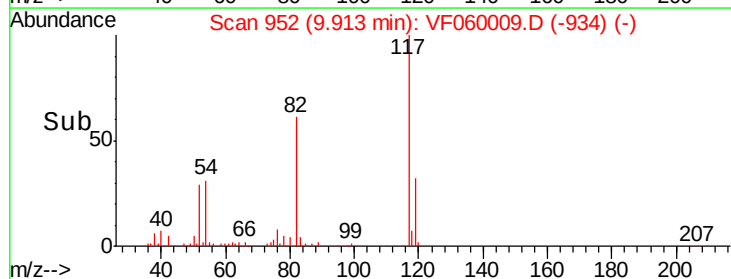
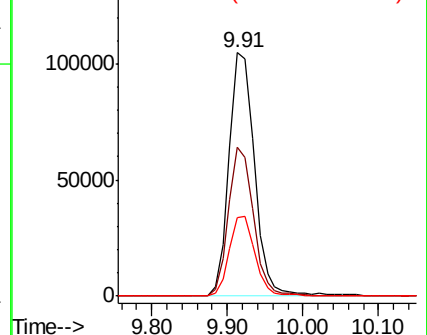
119 32.4 26.1 39.1

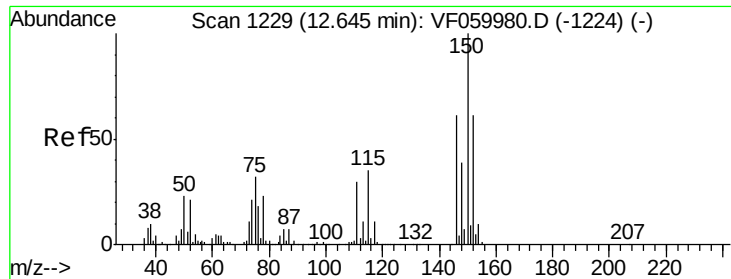


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060009.D

Acq: 20 Aug 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

CARLSTADT-TOP-SOIL

Tot Ion:152 Resp: 153448

Ion Ratio Lower Upper

152 100

115 59.8 29.1 87.3

150 151.2 0.0 330.2

