

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
 Data File : VF059174.D
 Acq On : 18 Jun 2018 14:33
 Operator : VA/AP
 Sample : J3551-04
 Misc : 6.70g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

Quant Time: Jun 19 02:55:30 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	5.03	168	220588	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	323605	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	183041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	25269	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	143752	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
35) Dibromofluoromethane	4.28	113	131388	57.86	ug/l	-0.01
Spiked Amount			Recovery	=	115.72%	
50) Toluene-d8	7.71	98	244144	36.60	ug/l	0.00
Spiked Amount			Recovery	=	73.20%	
62) 4-Bromofluorobenzene	11.51	95	54179	15.84	ug/l	0.00
Spiked Amount			Recovery	=	31.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	4654	2.407	ug/l	90
8) Diethyl Ether	1.71	74	788	1.155	ug/l	71
11) Tert butyl alcohol	2.69	59	4218	24.607	ug/l #	32
13) Acrolein	2.21	56	269	1.813	ug/l	88
14) Allyl chloride	2.27	41	4913	1.722	ug/l #	40
15) Acrylonitrile	3.07	53	425	1.248	ug/l #	53
16) Acetone	2.33	43	2290	3.585	ug/l #	83
18) Methyl Acetate	2.48	43	17426	15.870	ug/l #	66
20) Methylene Chloride	2.27	84	11383	7.443	ug/l	96
23) Vinyl Acetate	3.29	43	13118	3.548	ug/l #	88
25) 2-Butanone	4.49	43	999	1.009	ug/l #	56
31) Cyclohexane	3.86	56	4447	1.497	ug/l #	82
39) Methylcyclohexane	5.63	83	13400	4.191	ug/l	91
40) Benzene	4.81	78	306971	42.163	ug/l	97
41) Methacrylonitrile	4.81	41	16146	16.957	ug/l #	1
48) Methyl methacrylate	6.84	41	33963	21.225	ug/l #	81
49) 1,4-Dioxane	6.94	88	62	17.824	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	11283	6.342	ug/l #	56
52) Toluene	7.77	92	20350	3.881	ug/l	99
55) 1,1,2-Trichloroethane	8.57	97	5053	2.659	ug/l #	43
56) Ethyl methacrylate	8.76	69	4346	1.814	ug/l #	18
58) 2-Chloroethyl Vinyl ether	7.77	63	3982	23.249	ug/l	100
59) 2-Hexanone	9.64	43	2745	1.951	ug/l	80
67) Ethyl Benzene	10.03	91	63685	10.112	ug/l	98
68) m/p-Xylenes	10.26	106	28737	12.187	ug/l	84
69) o-Xylene	10.82	106	22112	8.677	ug/l	97
70) Styrene	10.90	104	64257	16.665	ug/l	99
73) Isopropylbenzene	11.22	105	49770	28.448	ug/l	99
74) N-amyl acetate	11.49	43	4567	7.308	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.81	83	26402	63.654	ug/l #	34
76) 1,2,3-Trichloropropane	11.88	75	325	1.061	ug/l #	1
78) n-propylbenzene	11.69	91	27943	13.494	ug/l	99
79) 2-Chlorotoluene	11.80	91	1479	1.209	ug/l	85
80) 1,3,5-Trimethylbenzene	11.91	105	2776	1.917	ug/l	81

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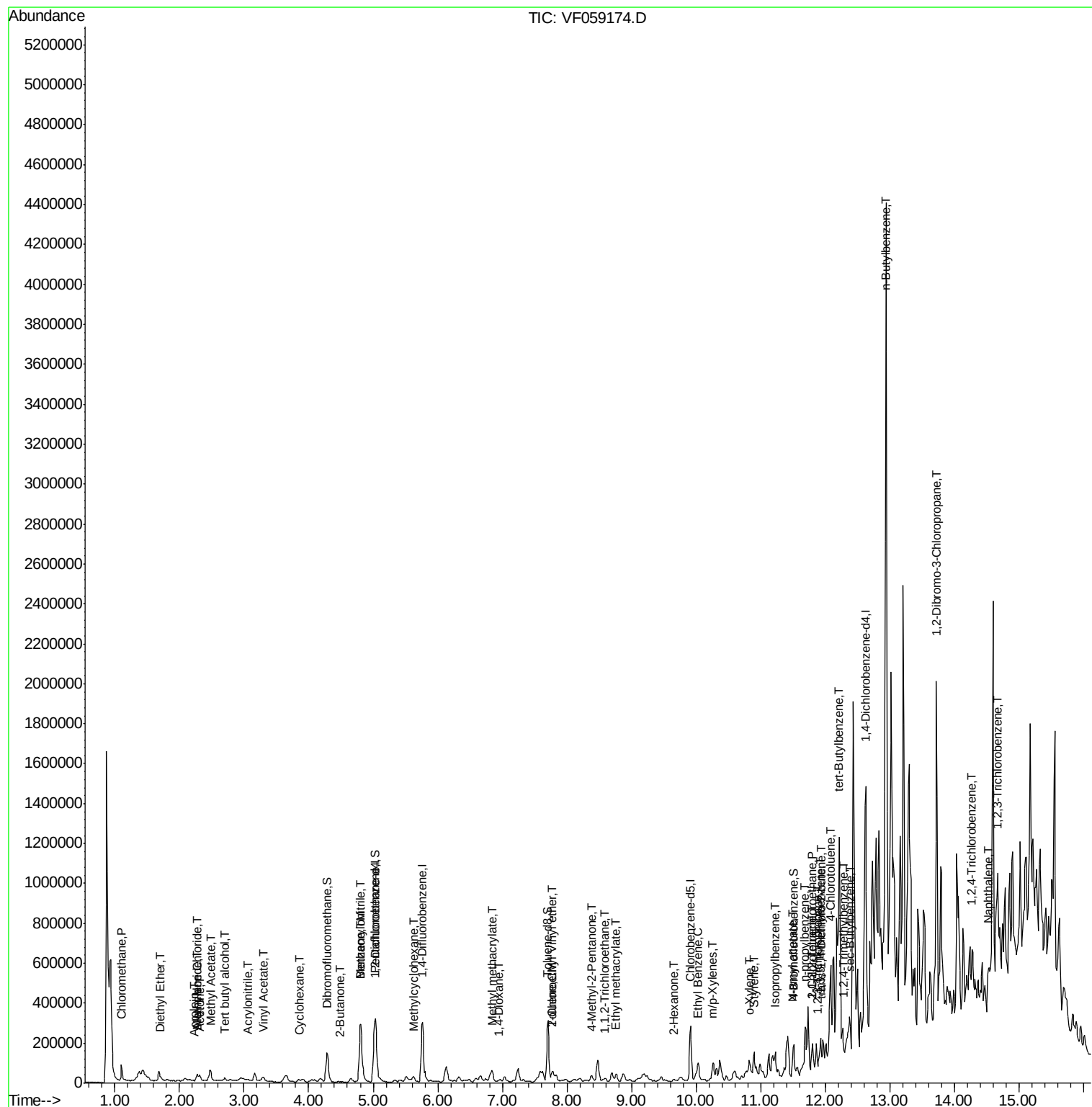
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.94	75	329	1.657	ug/l #	1
82) 4-Chlorotoluene	12.08	91	4866	3.736	ug/l	97
83) tert-Butylbenzene	12.21	119	336028	233.717	ug/l	86
84) 1,2,4-Trimethylbenzene	12.29	105	5116	3.410	ug/l	96
85) sec-Butylbenzene	12.39	105	16730	8.563	ug/l	100
89) n-Butylbenzene	12.94	91	26805	14.242	ug/l #	39
92) 1,2-Dibromo-3-Chloropropan	13.72	75	175	2.151	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.28	180	1188	2.169	ug/l #	4
95) Naphthalene	14.52	128	8256	7.057	ug/l #	68
96) 1,2,3-Trichlorobenzene	14.67	180	714	1.411	ug/l	63

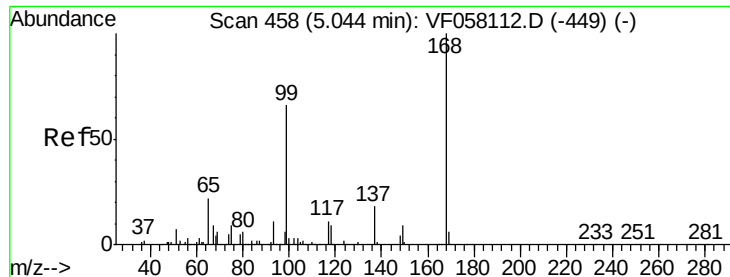
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

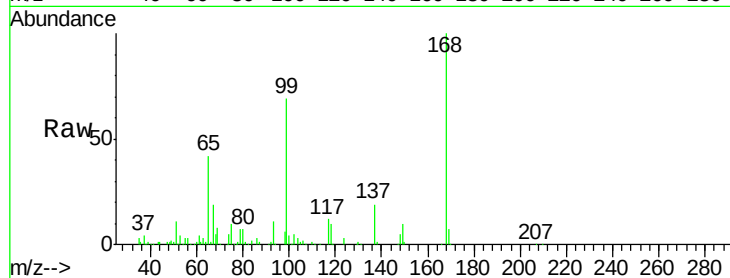
OILY-SOIL

Tgt Ion:168 Resp: 220588

Ion Ratio Lower Upper

168 100

99 69.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

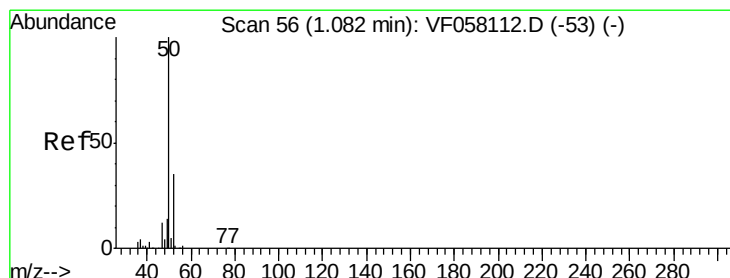
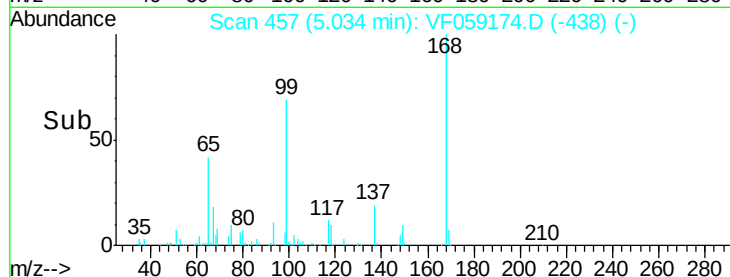
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 2.407 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059174.D

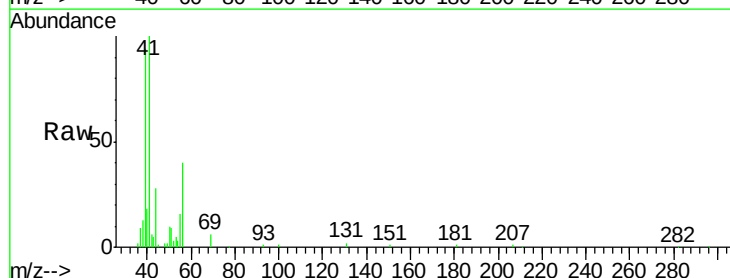
Acq: 18 Jun 2018 14:33

Tgt Ion: 50 Resp: 4654

Ion Ratio Lower Upper

50 100

52 28.1 27.3 40.9



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

2500

2000

1500

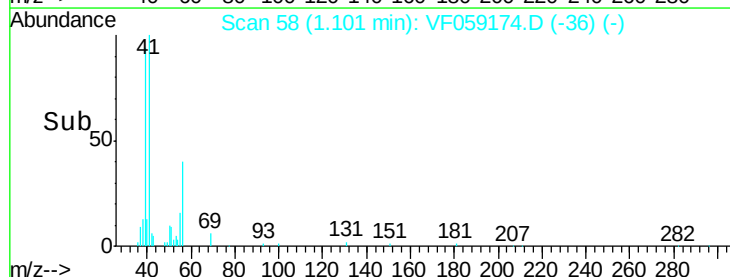
1000

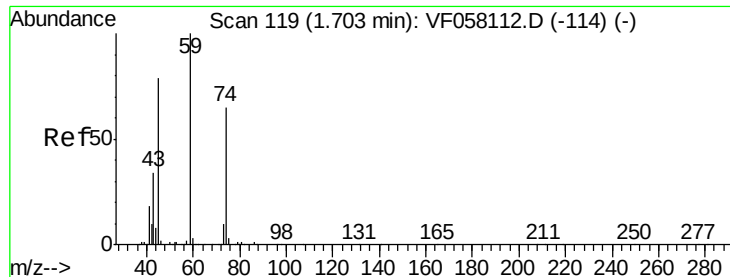
500

0

Time-->

1.00 1.05 1.10 1.15 1.20





#8

Diethyl Ether

Concen: 1.155 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

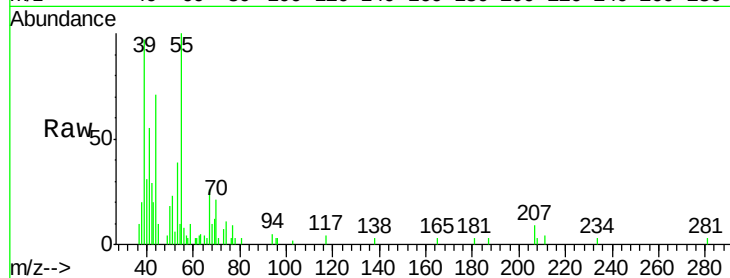
OILY-SOIL

Tgt Ion: 74 Resp: 788

Ion Ratio Lower Upper

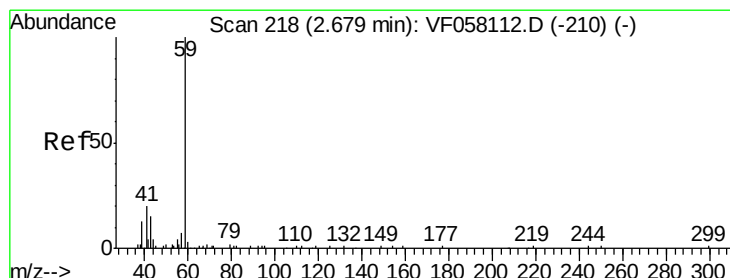
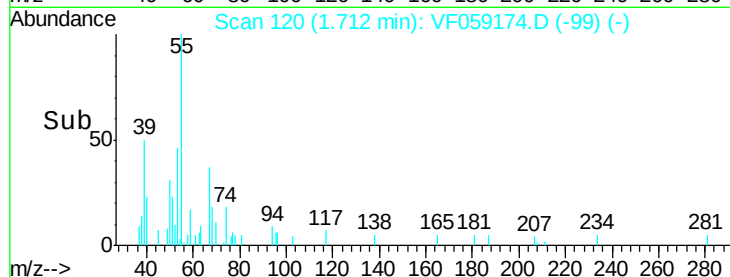
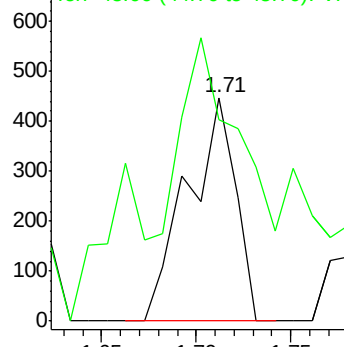
74 100

45 90.4 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 24.607 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.01 min

Lab File: VF059174.D

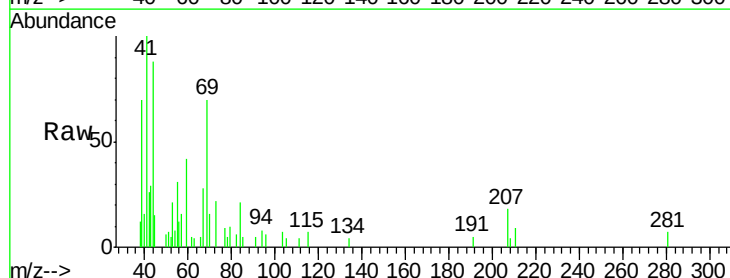
Acq: 18 Jun 2018 14:33

Tgt Ion: 59 Resp: 4218

Ion Ratio Lower Upper

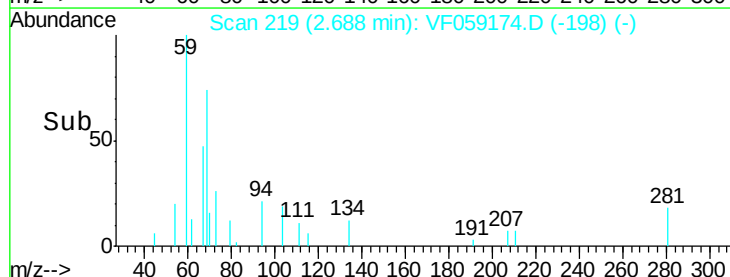
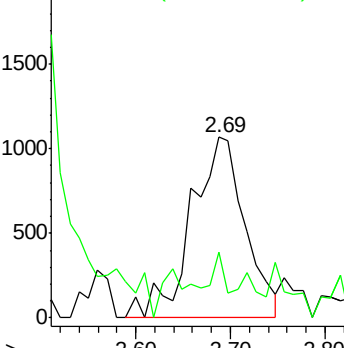
59 100

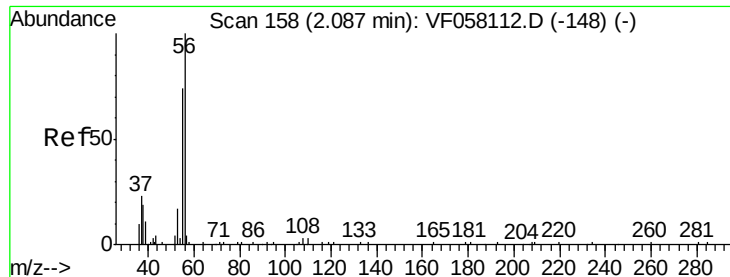
57 36.7 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 1.813 ug/l

RT: 2.21 min Scan# 171

Delta R.T. 0.13 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

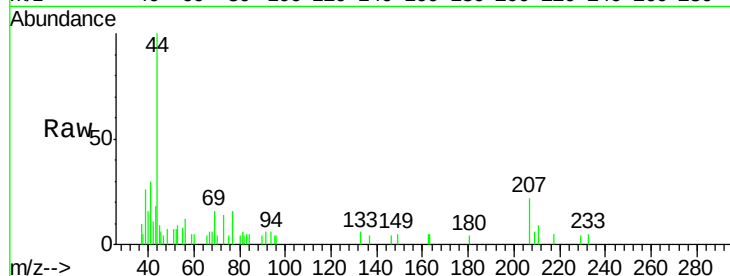
OILY-SOIL

Tgt Ion: 56 Resp: 269

Ion Ratio Lower Upper

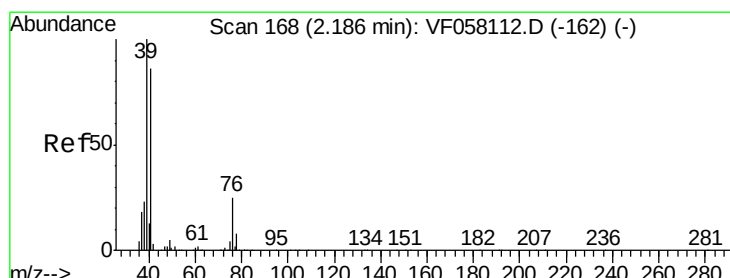
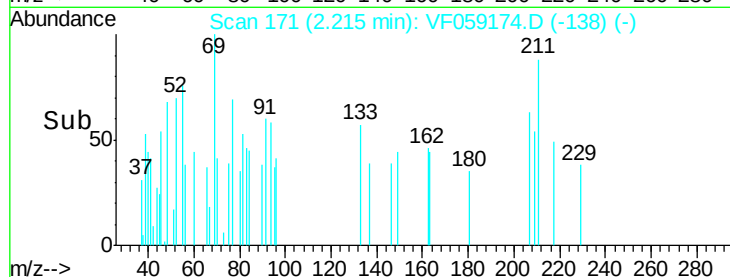
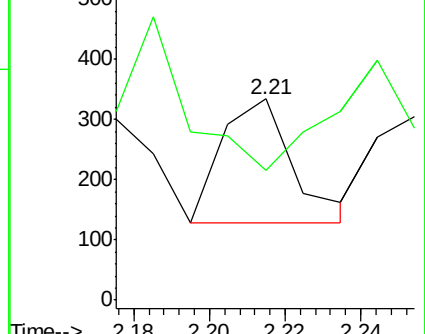
56 100

55 64.7 60.0 90.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 1.722 ug/l

RT: 2.27 min Scan# 177

Delta R.T. 0.09 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

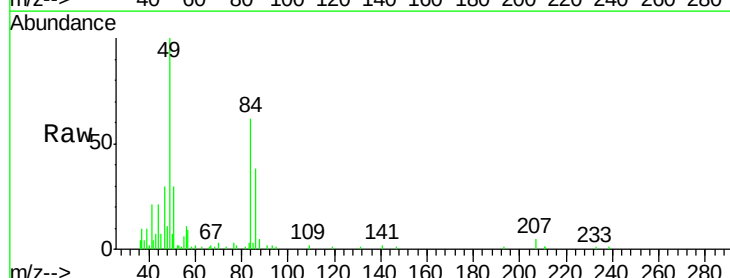
Tgt Ion: 41 Resp: 4913

Ion Ratio Lower Upper

41 100

39 49.2 93.5 140.3#

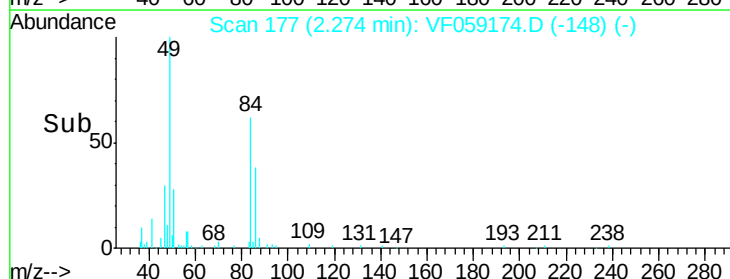
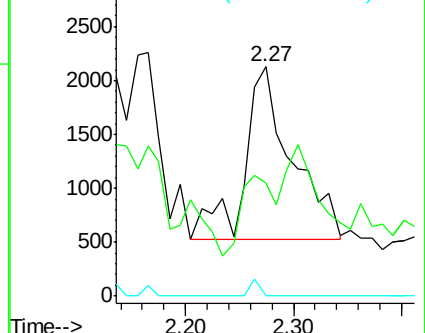
76 0.0 23.9 35.9#

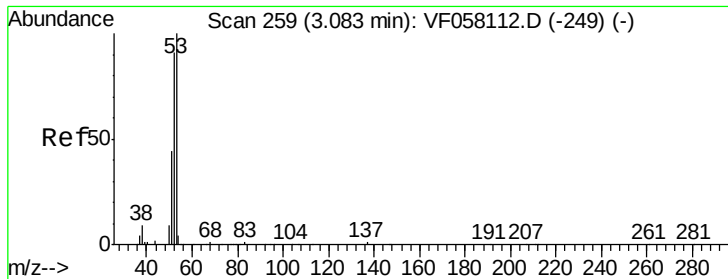


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 1.248 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

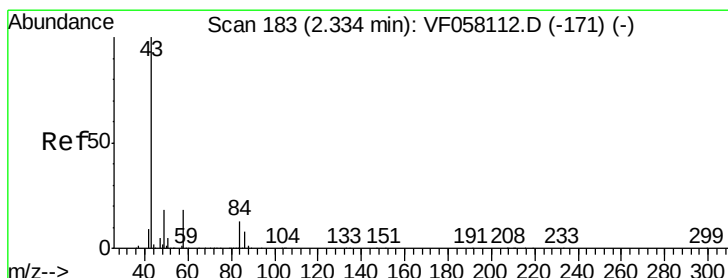
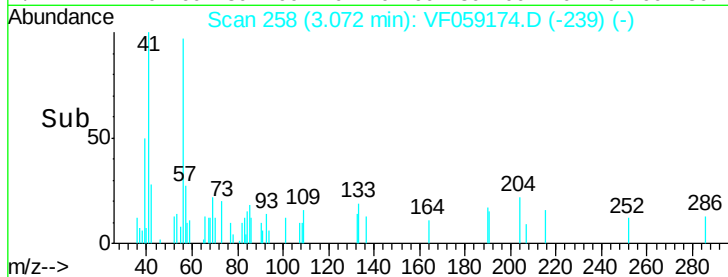
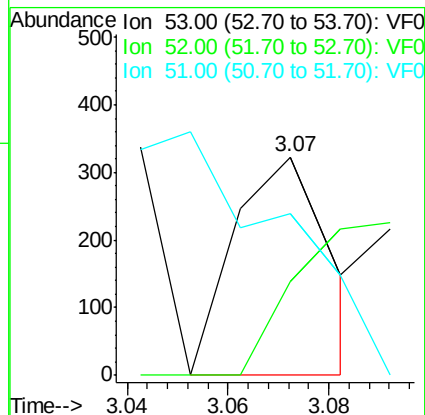
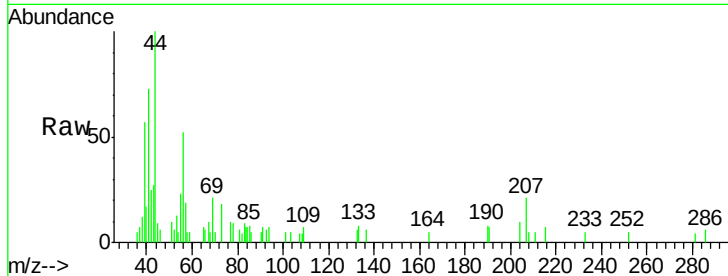
Tgt Ion: 53 Resp: 425

Ion Ratio Lower Upper

53 100

52 31.4 73.2 109.8#

51 54.0 35.6 53.4#



#16

Acetone

Concen: 3.585 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059174.D

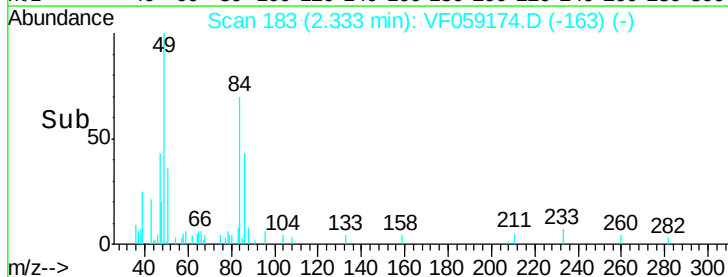
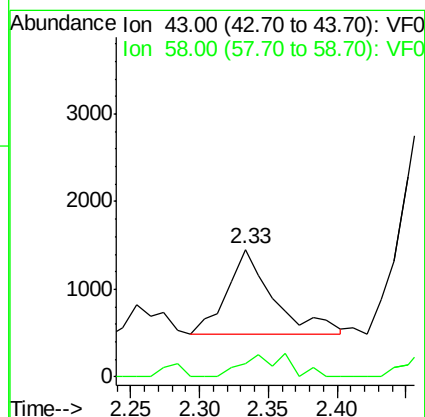
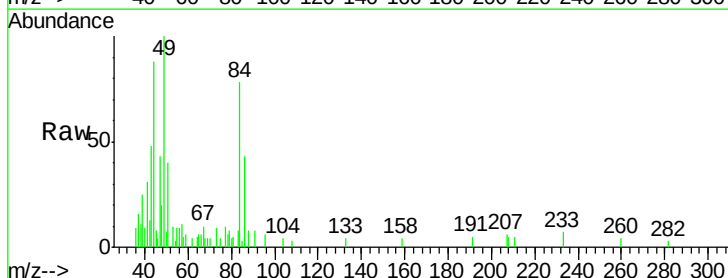
Acq: 18 Jun 2018 14:33

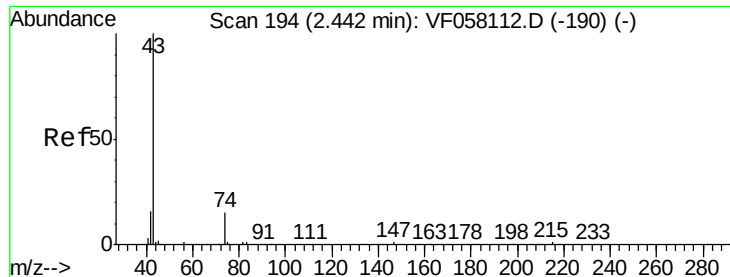
Tgt Ion: 43 Resp: 2290

Ion Ratio Lower Upper

43 100

58 10.3 14.4 21.6#

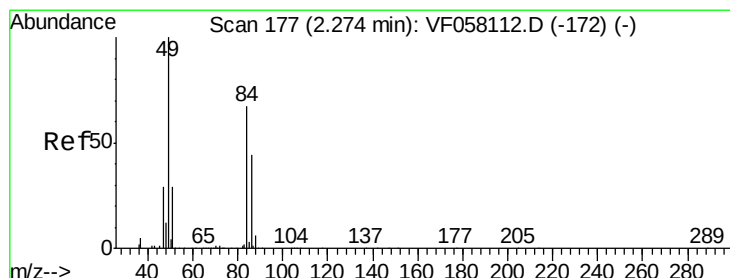
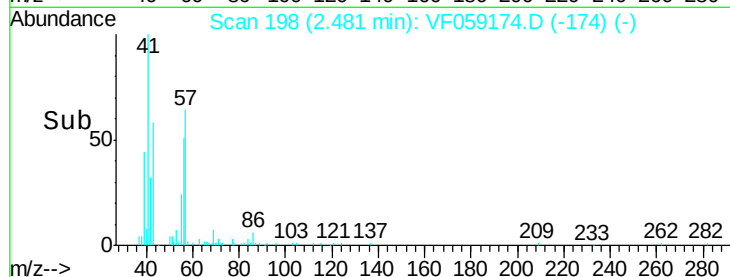
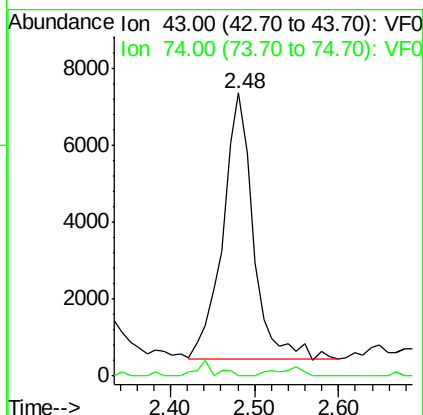
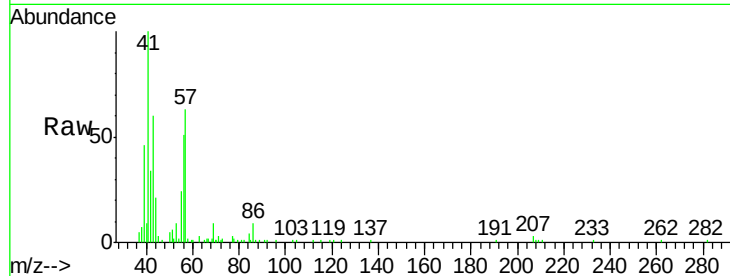




#18
Methyl Acetate
Concen: 15.870 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

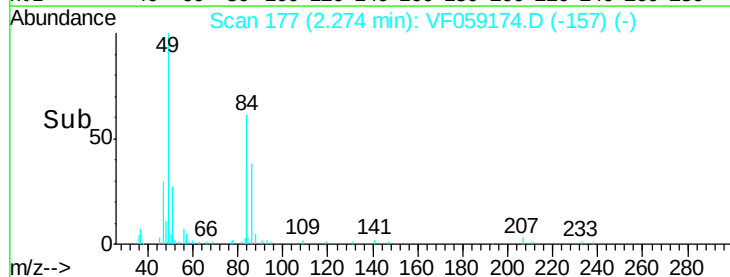
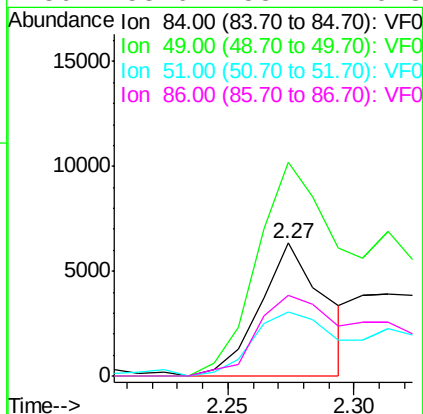
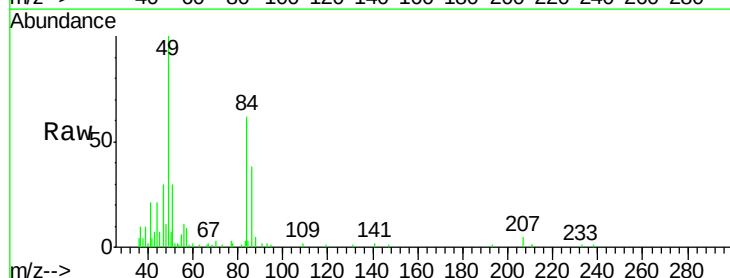
Instrument :
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ClientSampleId :
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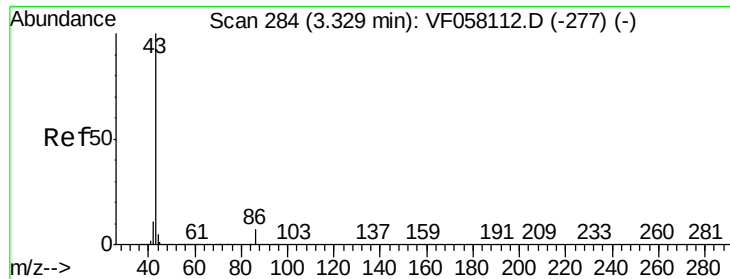
Tgt Ion: 43 Resp: 17426
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#



#20
Methylene Chloride
Concen: 7.443 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Tgt Ion: 84 Resp: 11383
Ion Ratio Lower Upper
84 100
49 154.4 121.0 181.4
51 46.4 35.8 53.6
86 58.6 53.2 79.8





#23

Vinyl Acetate

Concen: 3.548 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.04 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

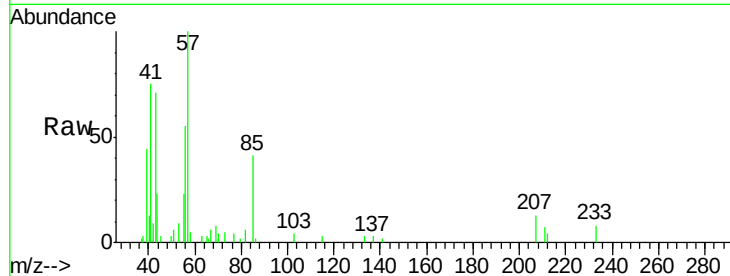
OILY-SOIL

Tgt Ion: 43 Resp: 13118

Ion Ratio Lower Upper

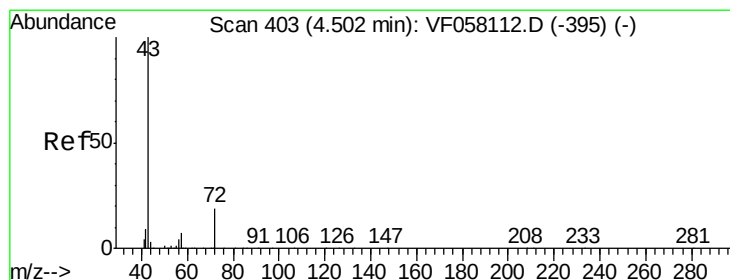
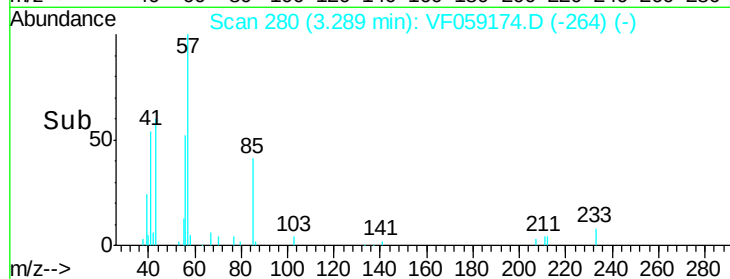
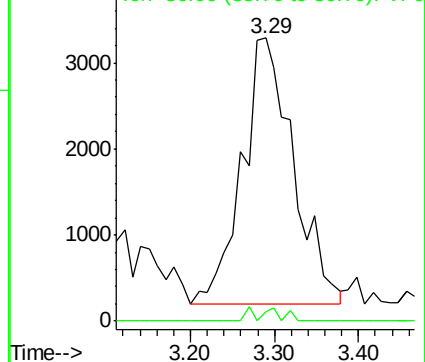
43 100

86 3.3 6.0 9.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 1.009 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.01 min

Lab File: VF059174.D

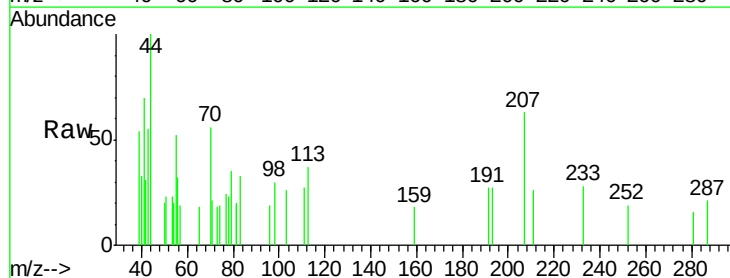
Acq: 18 Jun 2018 14:33

Tgt Ion: 43 Resp: 999

Ion Ratio Lower Upper

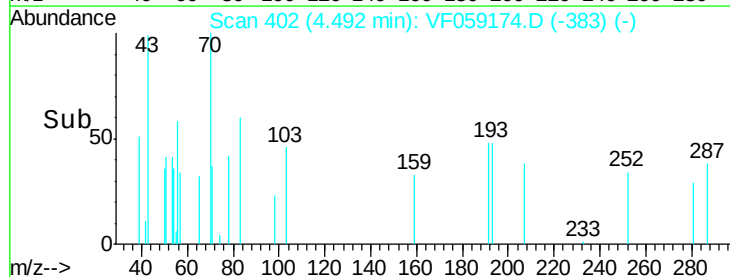
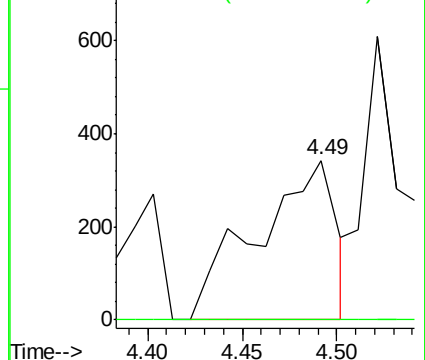
43 100

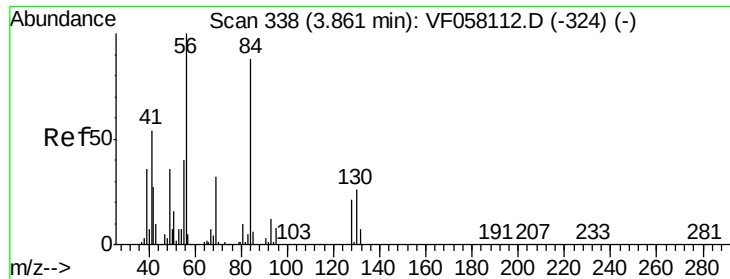
72 0.0 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

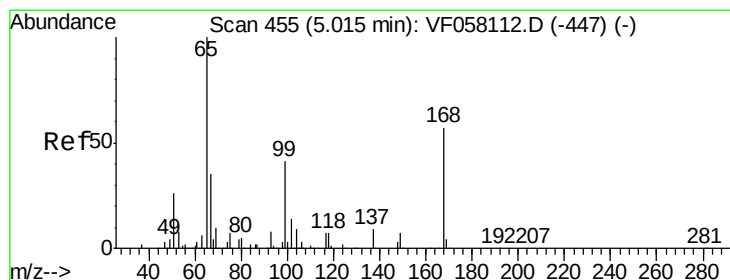
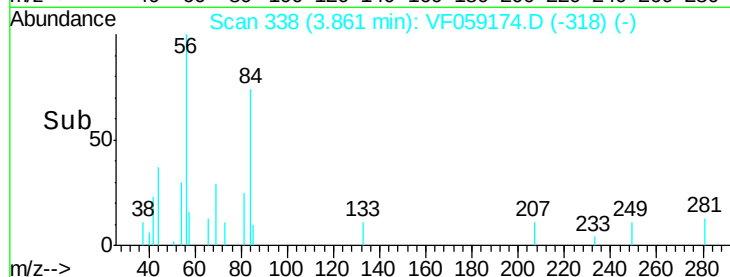
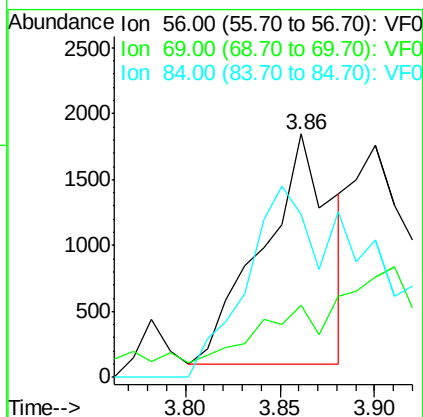
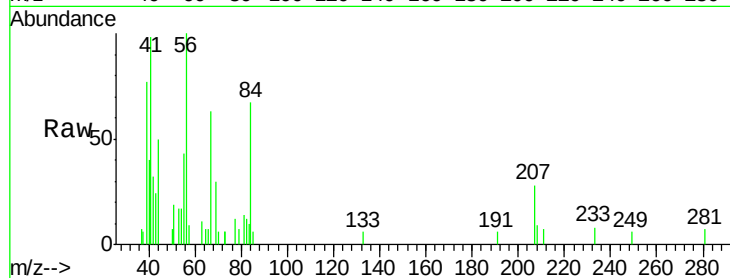




#31
Cyclohexane
Concen: 1.497 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

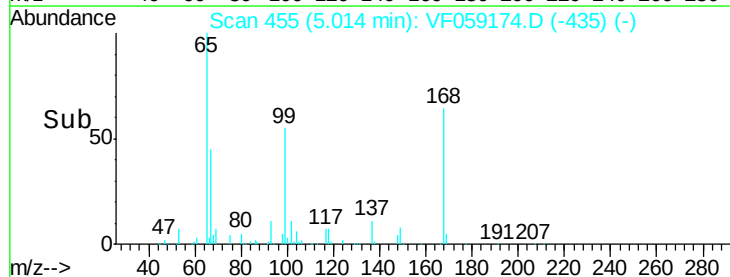
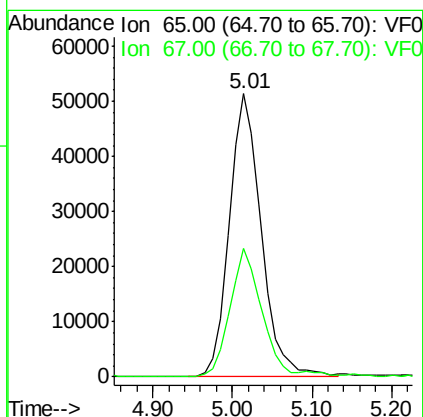
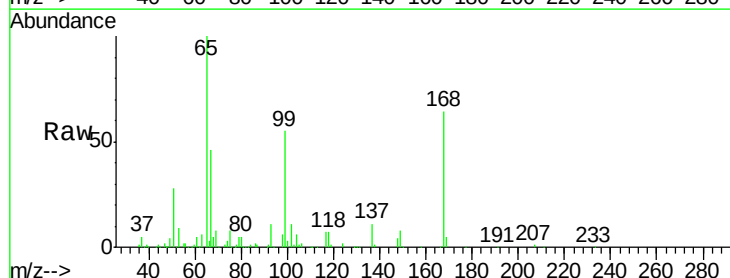
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

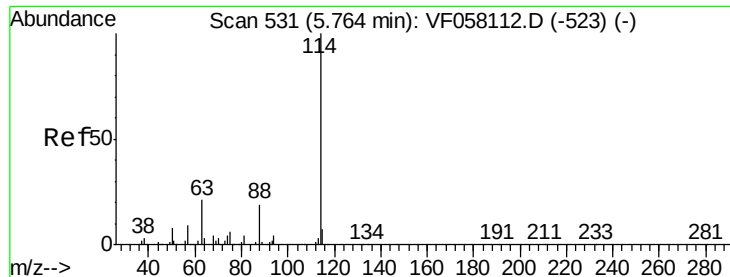
Tgt Ion: 56 Resp: 4447
Ion Ratio Lower Upper
56 100
69 29.6 25.9 38.9
84 66.8 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 53.733 ug/l
RT: 5.01 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Tgt Ion: 65 Resp: 143752
Ion Ratio Lower Upper
65 100
67 45.5 0.0 97.0

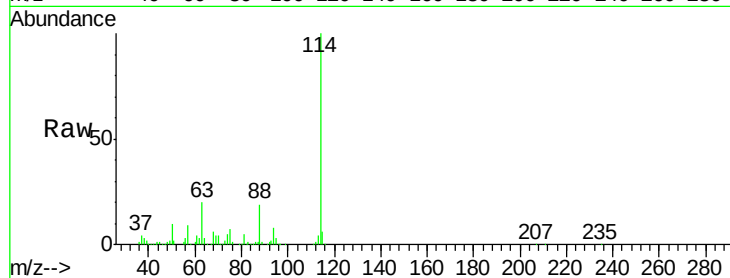




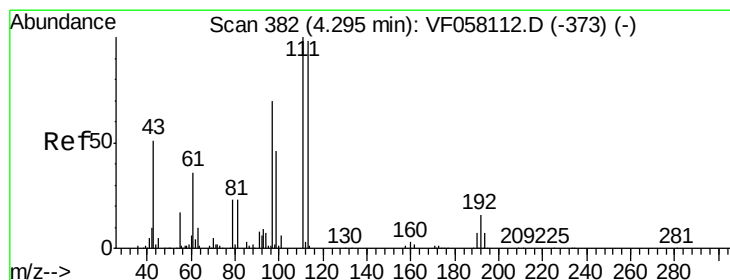
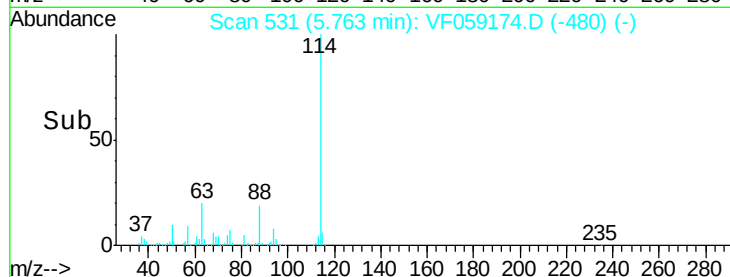
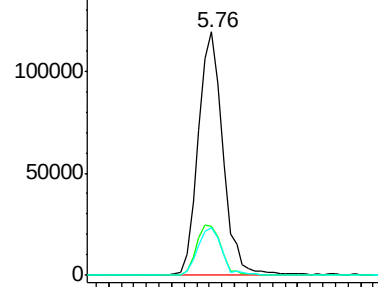
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tgt Ion:114 Resp: 323605
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.6
88 19.4 0.0 38.8

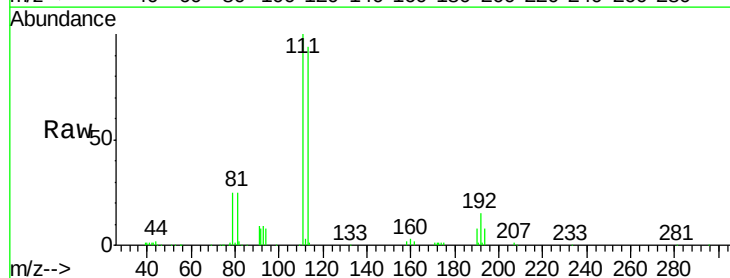


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

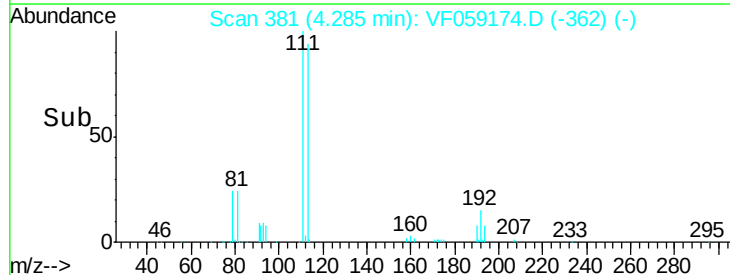
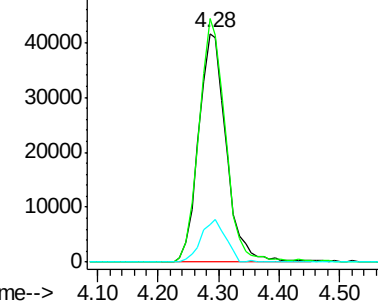


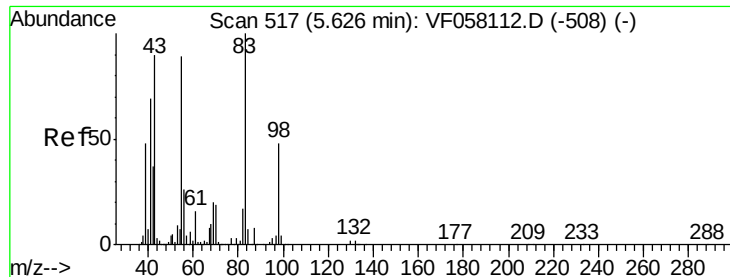
#35
Dibromofluoromethane
Concen: 57.864 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Tgt Ion:113 Resp: 131388
Ion Ratio Lower Upper
113 100
111 105.7 81.3 121.9
192 16.4 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

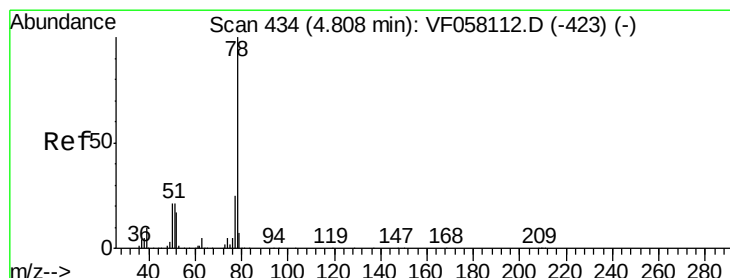
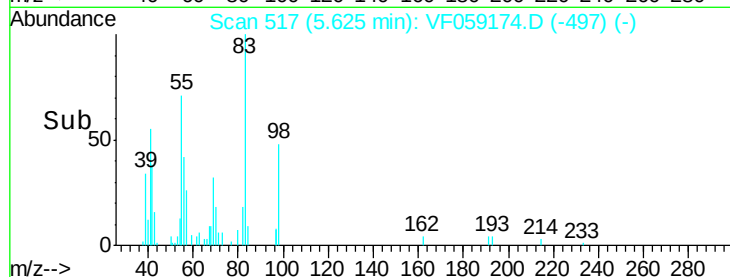
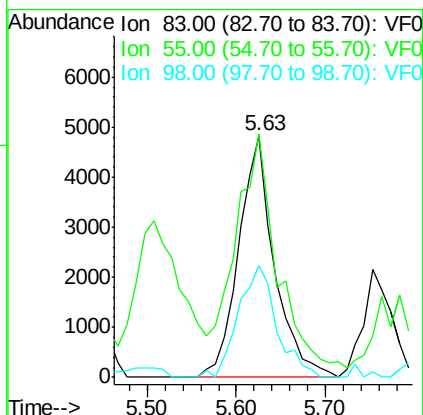
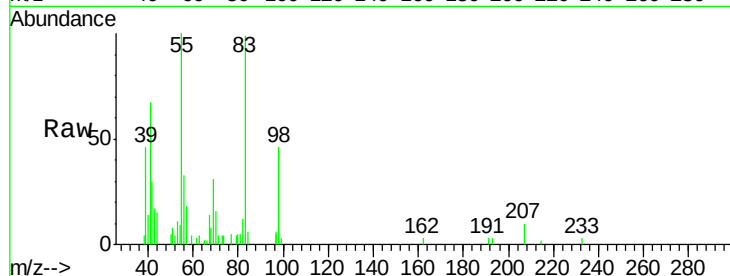




#39
Methylcyclohexane
Concen: 4.191 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

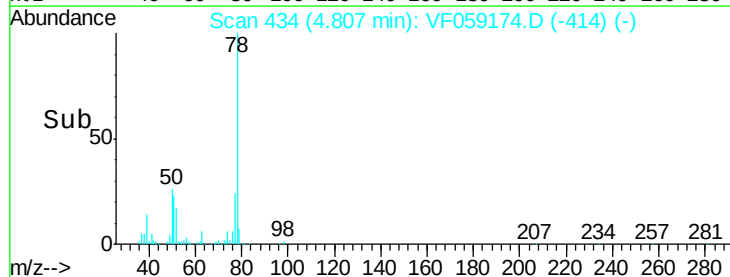
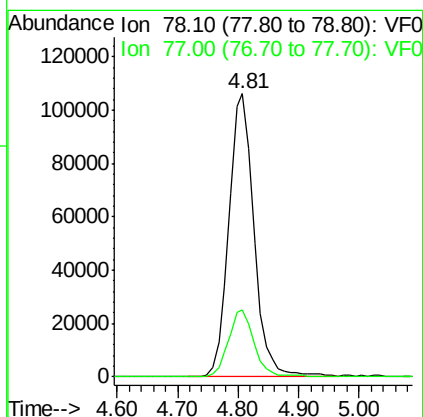
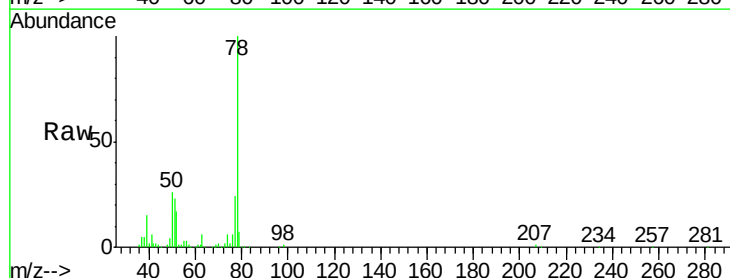
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

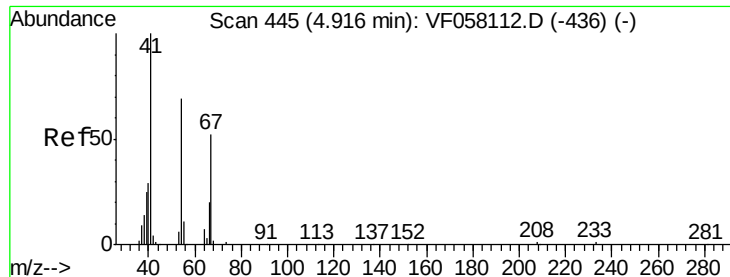
Tgt Ion: 83 Resp: 13400
Ion Ratio Lower Upper
83 100
55 100.8 71.0 106.4
98 46.1 38.1 57.1



#40
Benzene
Concen: 42.163 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Tgt Ion: 78 Resp: 306971
Ion Ratio Lower Upper
78 100
77 23.7 20.2 30.2





#41

Methacrylonitrile

Concen: 16.957 ug/l

RT: 4.81 min Scan# 434

Delta R.T. -0.11 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tgt Ion: 41 Resp: 16146

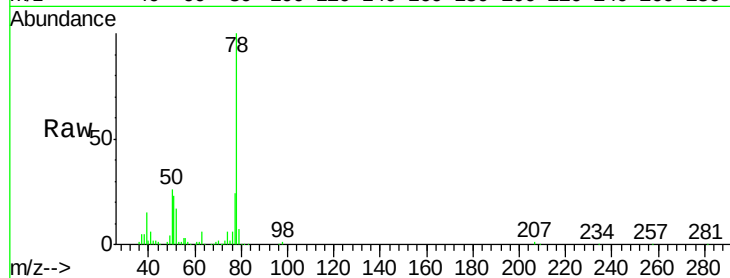
Ion Ratio Lower Upper

41 100

39 251.5 53.0 79.4#

67 6.4 41.0 61.6#

52 296.5 36.8 55.2#

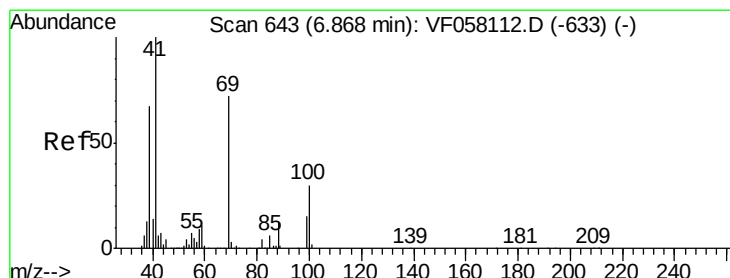
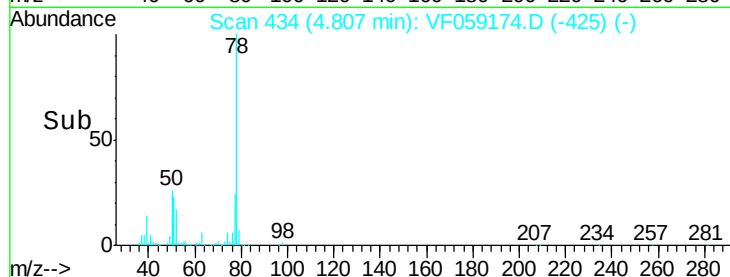
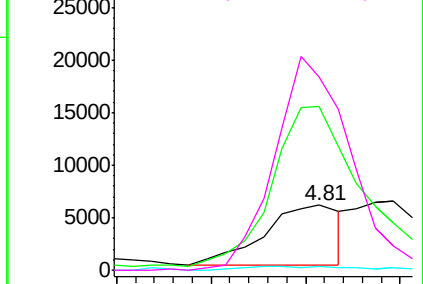


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#48

Methyl methacrylate

Concen: 21.225 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

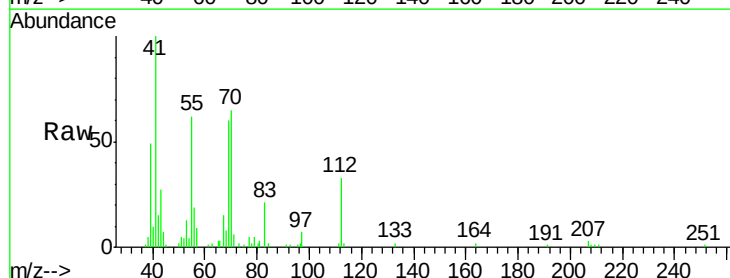
Tgt Ion: 41 Resp: 33963

Ion Ratio Lower Upper

41 100

69 59.5 57.2 85.8

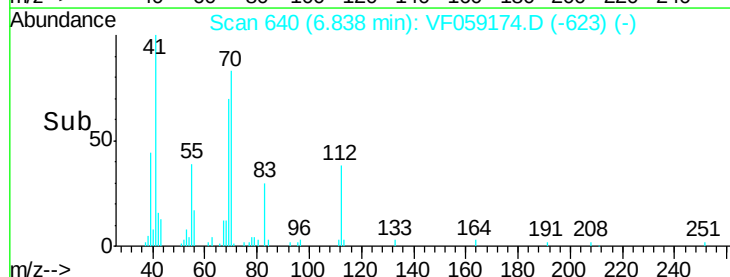
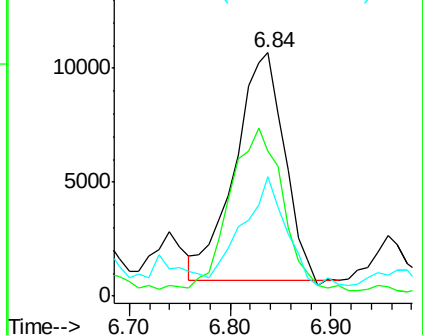
39 49.1 54.3 81.5#

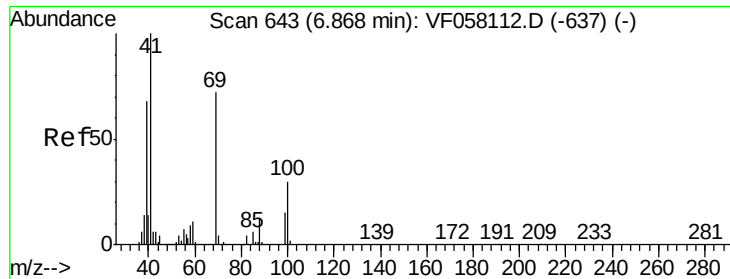


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

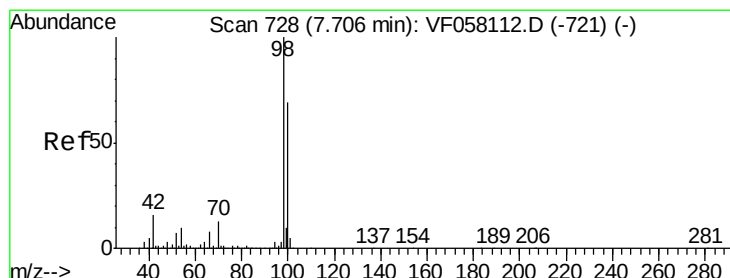
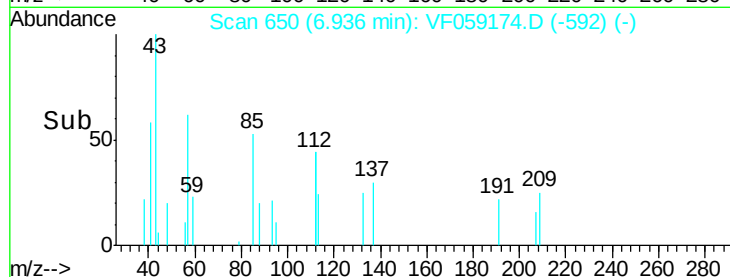
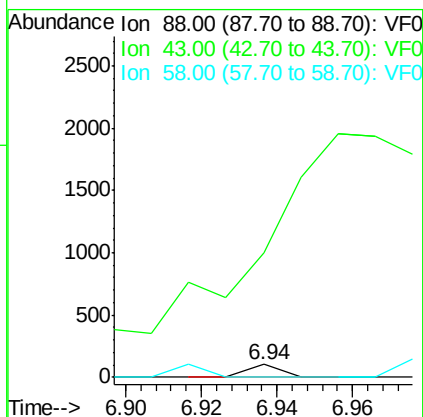
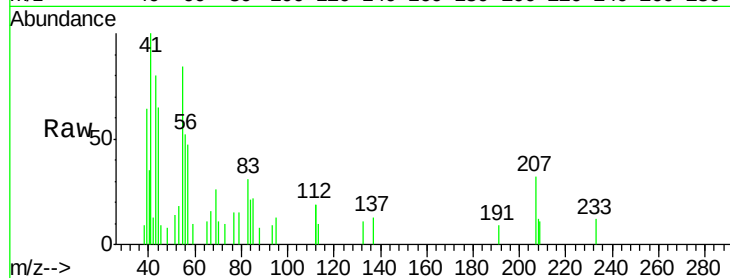




#49
1,4-Dioxane
Concen: 17.824 ug/l
RT: 6.94 min Scan# 650
Delta R.T. 0.07 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

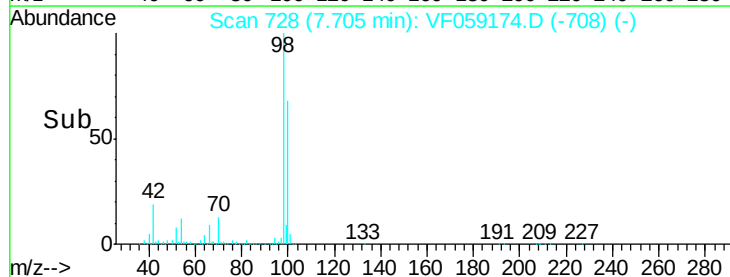
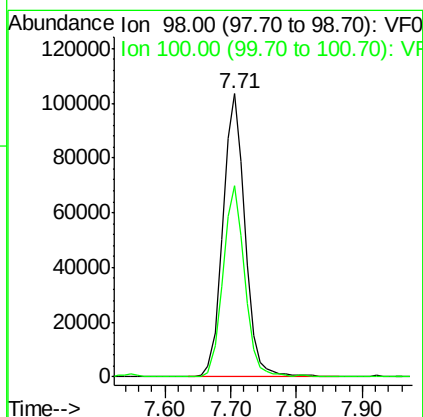
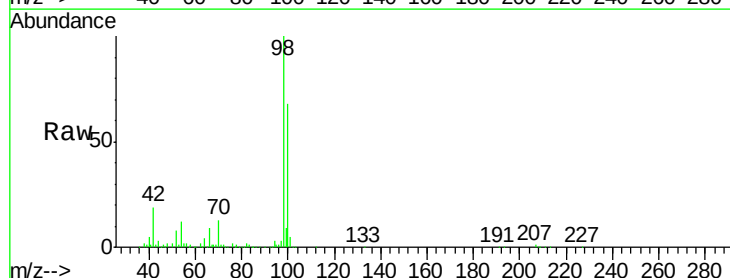
Instrument :
MSVOA_F
ClientSampled :
OILY-SOIL

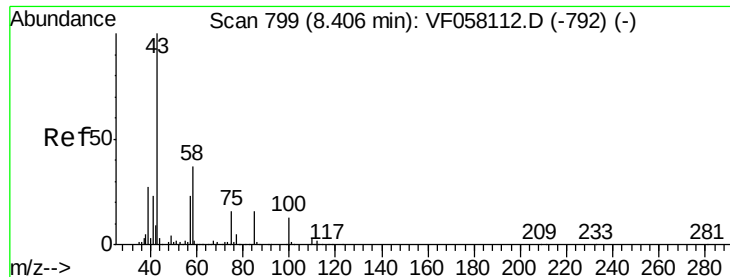
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 955.2 47.8 71.8#
58 0.0 59.4 89.0#



#50
Toluene-d8
Concen: 36.599 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Tgt Ion: 98 Resp: 244144
Ion Ratio Lower Upper
98 100
100 67.7 55.6 83.4

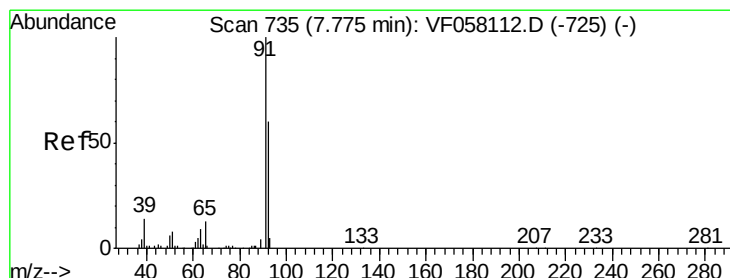
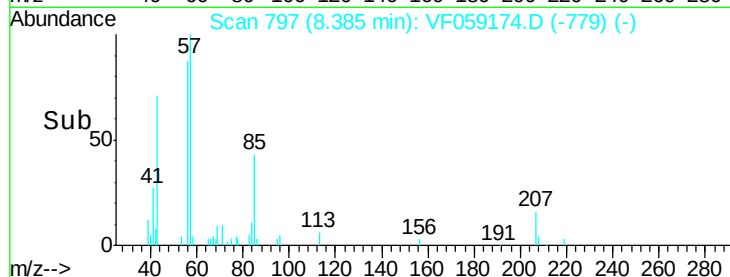
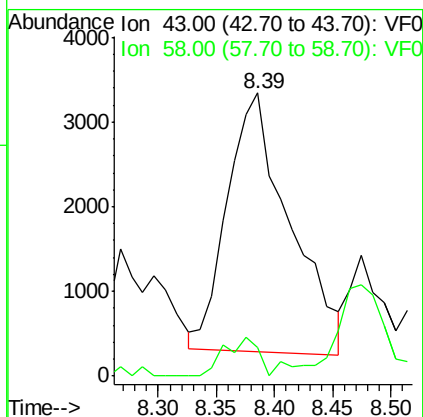
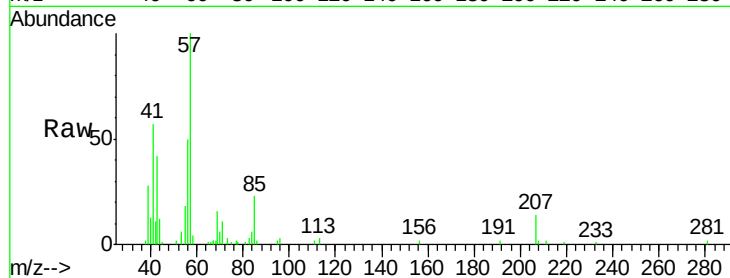




#51
 4-Methyl-2-Pentanone
 Concen: 6.342 ug/l
 RT: 8.39 min Scan# 797
 Delta R.T. -0.02 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

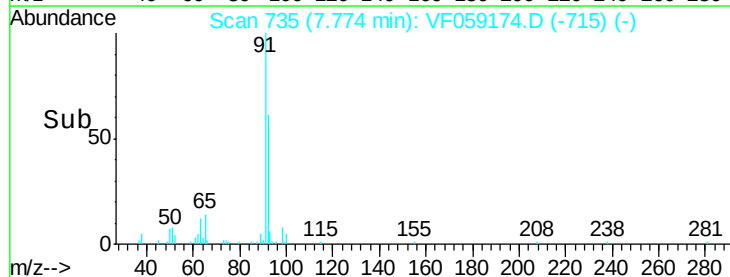
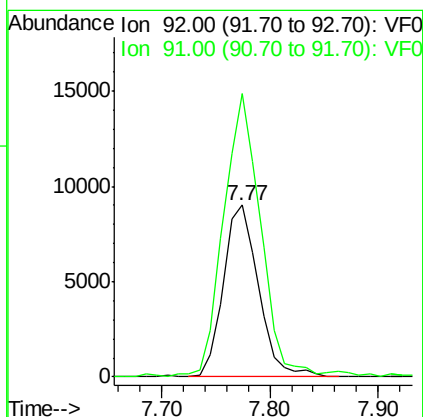
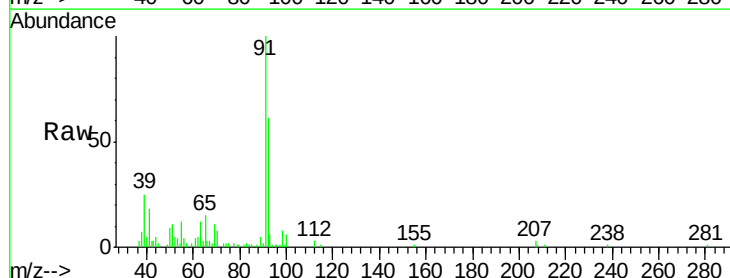
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

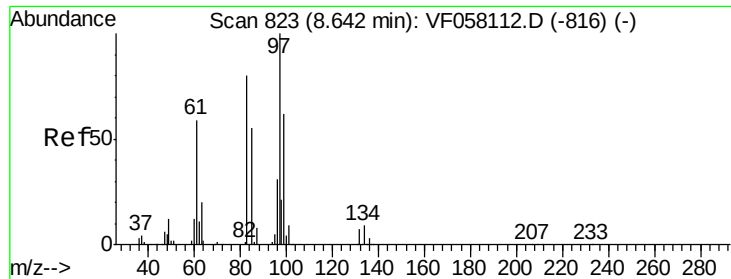
Tgt Ion: 43 Resp: 11283
 Ion Ratio Lower Upper
 43 100
 58 10.3 29.4 44.0#



#52
 Toluene
 Concen: 3.881 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

Tgt Ion: 92 Resp: 20350
 Ion Ratio Lower Upper
 92 100
 91 164.7 132.9 199.3





#55

1,1,2-Trichloroethane

Concen: 2.659 ug/l

RT: 8.57 min Scan# 816

Delta R.T. -0.07 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tgt Ion: 97 Resp: 5053

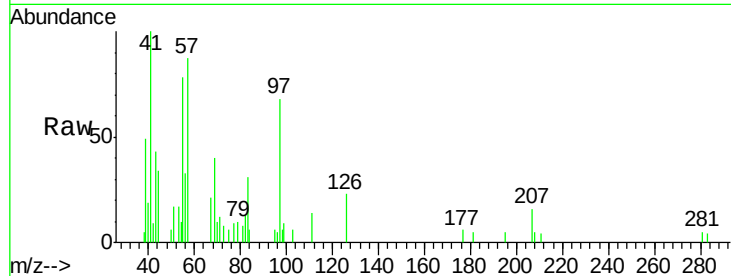
Ion Ratio Lower Upper

97 100

83 45.5 64.3 96.5#

85 0.0 43.8 65.8#

99 12.6 49.8 74.8#

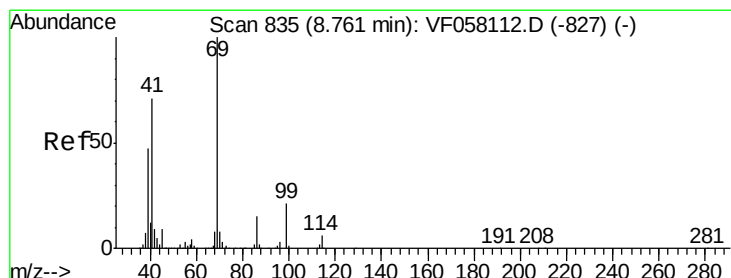
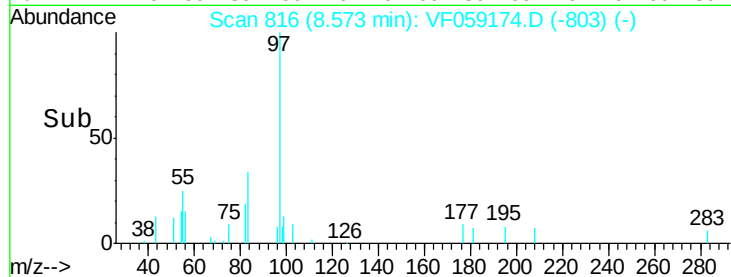
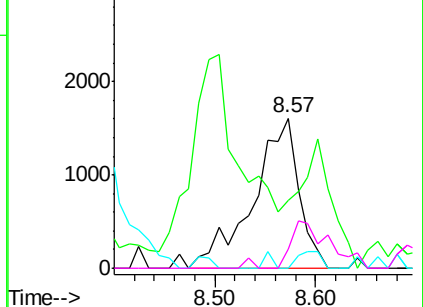


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 1.814 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

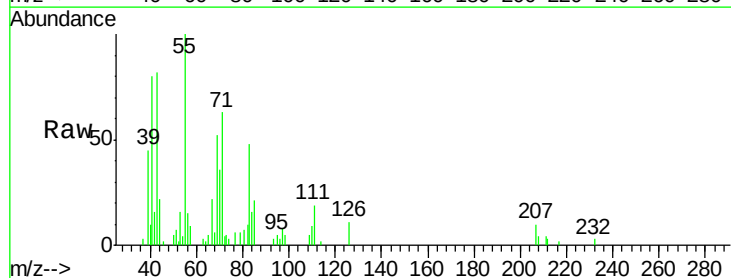
Tgt Ion: 69 Resp: 4346

Ion Ratio Lower Upper

69 100

41 152.1 56.9 85.3#

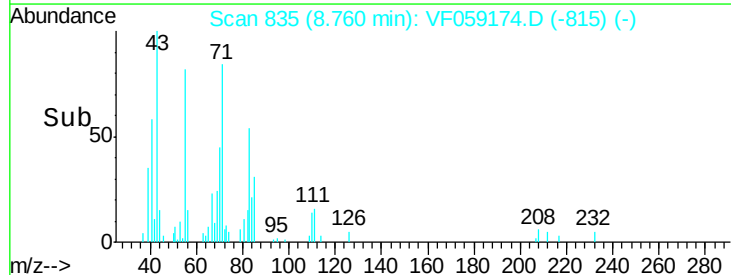
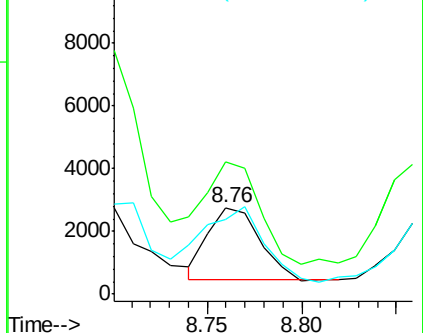
39 86.0 38.0 57.0#

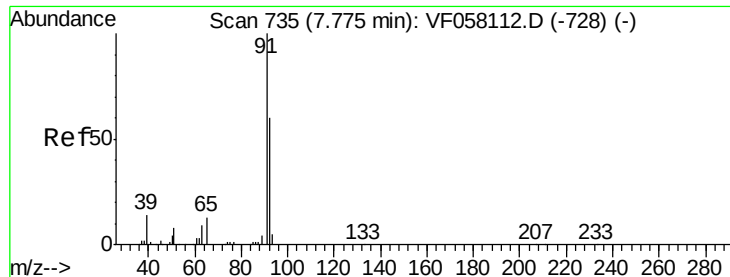


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 23.249 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

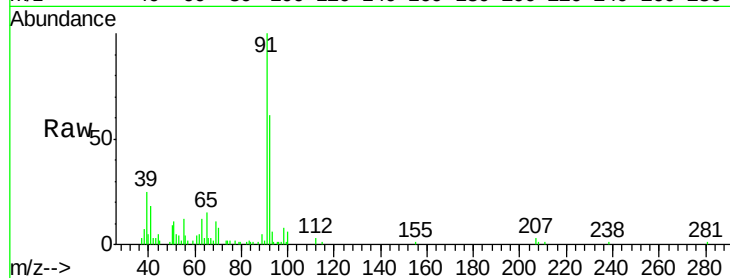
OILY-SOIL

Tgt Ion: 63 Resp: 3982

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): VF0

7.77

1500

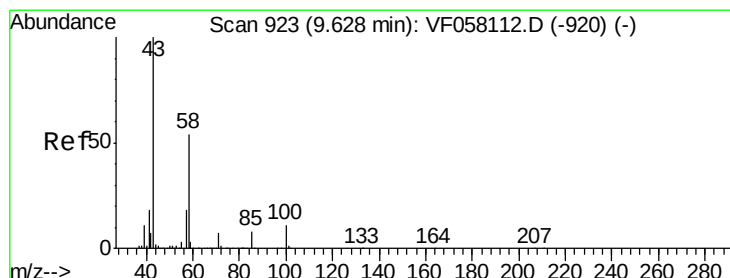
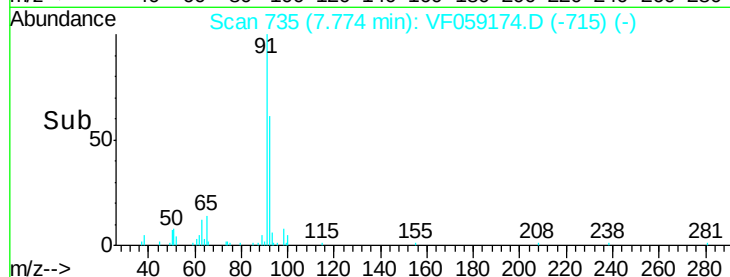
1000

500

0

7.70 7.75 7.80 7.85

Time-->



#59

2-Hexanone

Concen: 1.951 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.01 min

Lab File: VF059174.D

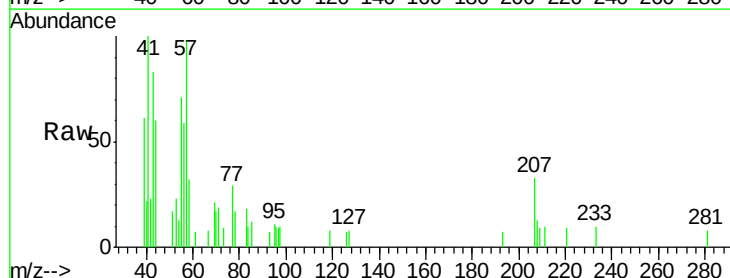
Acq: 18 Jun 2018 14:33

Tgt Ion: 43 Resp: 2745

Ion Ratio Lower Upper

43 100

58 38.4 26.3 78.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.64

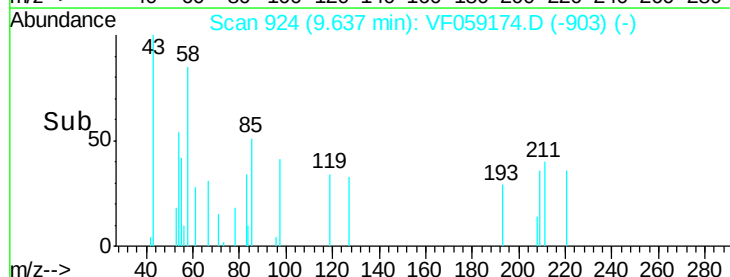
1000

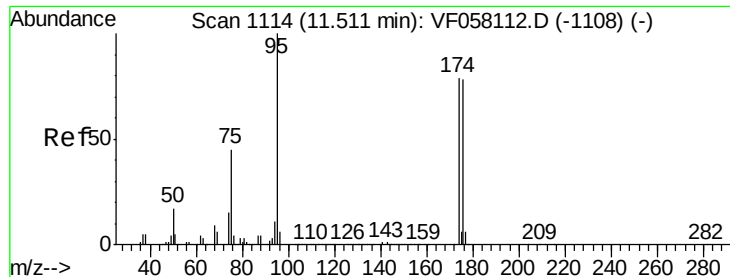
500

0

9.55 9.60 9.65 9.70

Time-->





#62

4-Bromofluorobenzene

Concen: 15.835 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

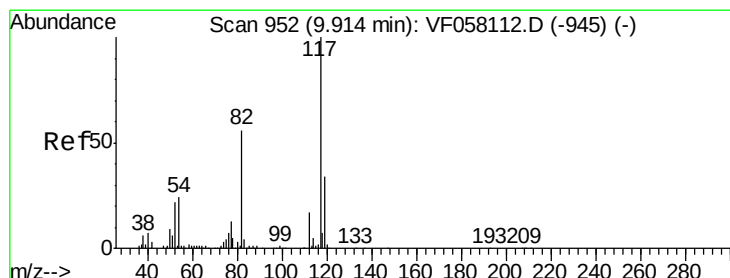
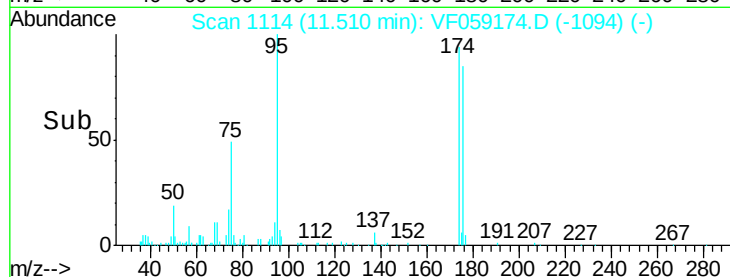
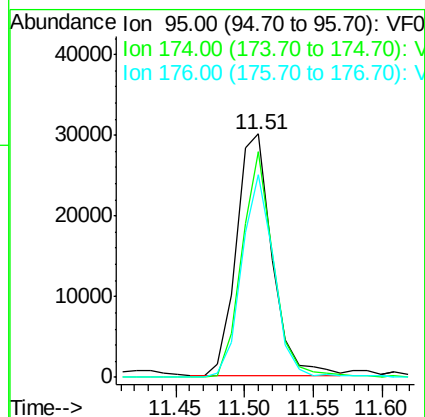
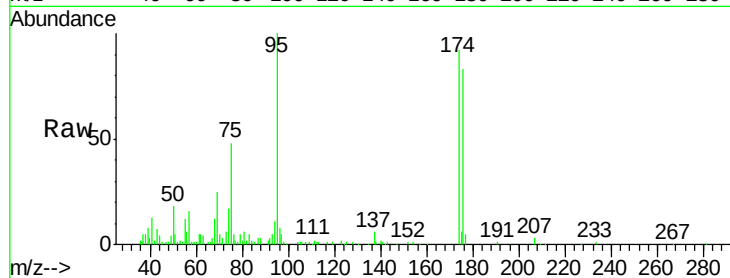
Tgt Ion: 95 Resp: 54179

Ion Ratio Lower Upper

95 100

174 92.5 0.0 157.8

176 83.3 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: VF059174.D

Acq: 18 Jun 2018 14:33

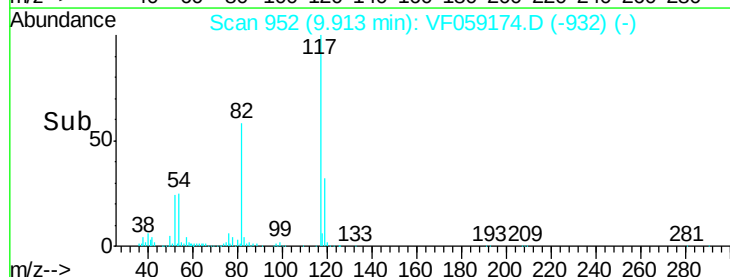
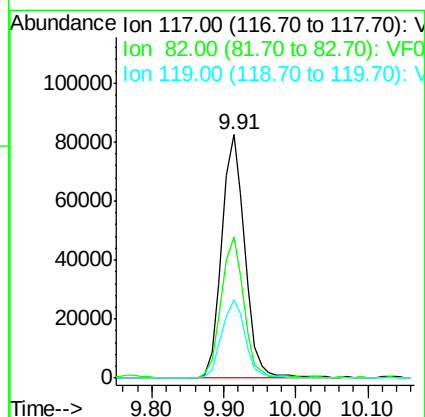
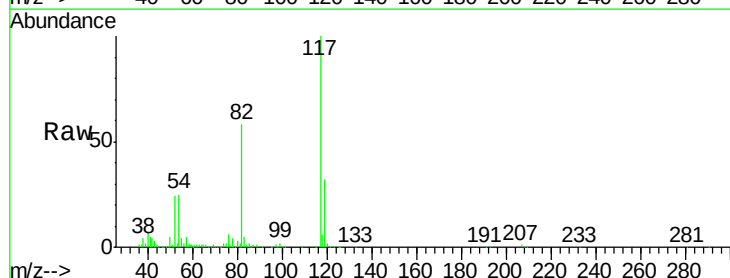
Tgt Ion: 117 Resp: 183041

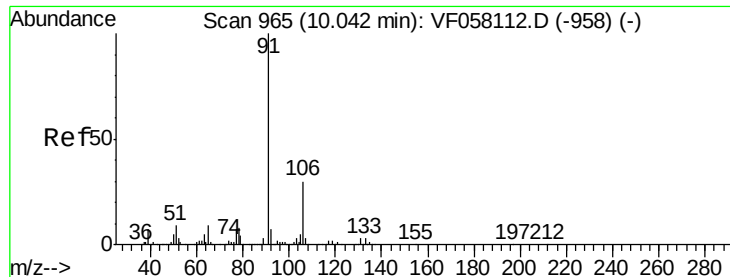
Ion Ratio Lower Upper

117 100

82 57.9 45.2 67.8

119 32.1 27.5 41.3





#67

Ethyl Benzene

Concen: 10.112 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

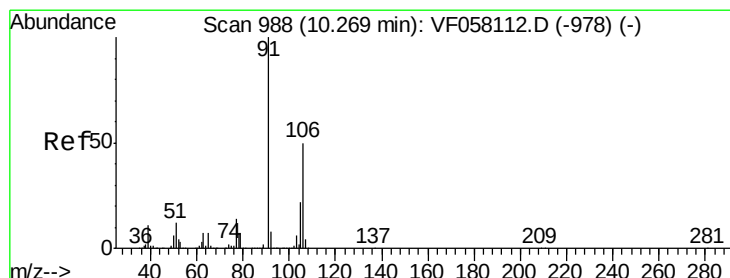
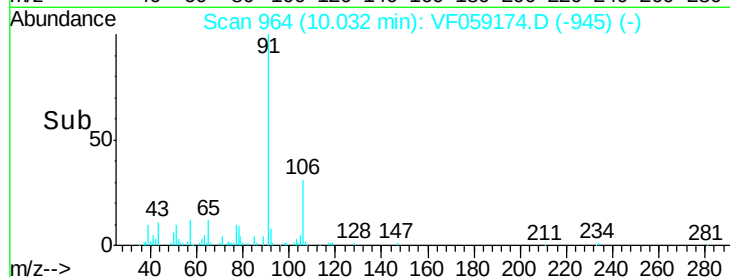
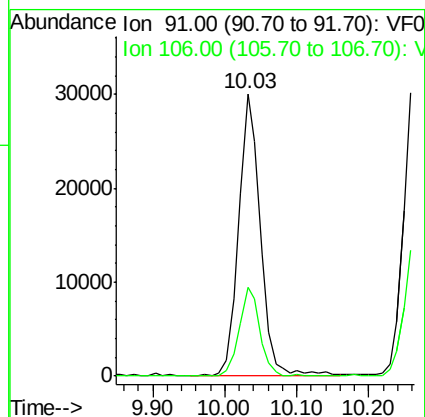
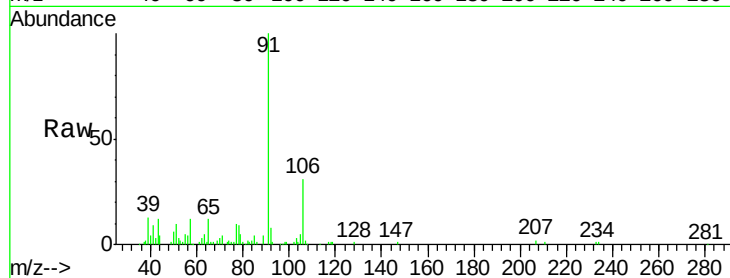
OILY-SOIL

Tgt Ion: 91 Resp: 63685

Ion Ratio Lower Upper

91 100

106 31.3 24.2 36.4



#68

m/p-Xylenes

Concen: 12.187 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059174.D

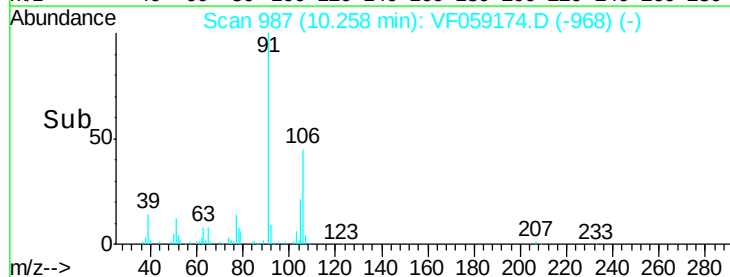
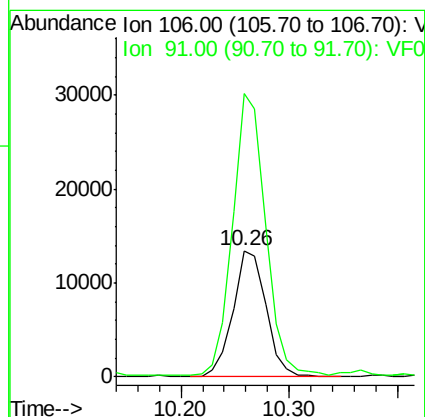
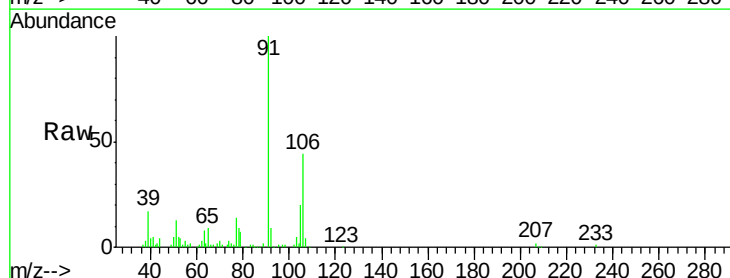
Acq: 18 Jun 2018 14:33

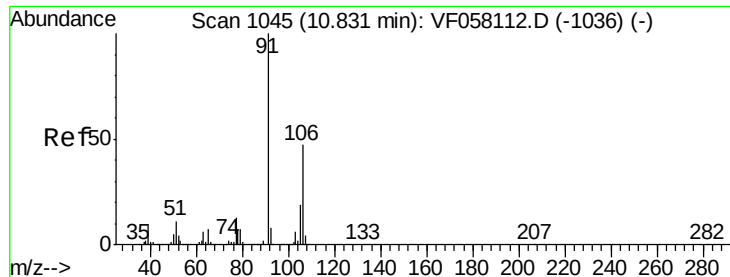
Tgt Ion: 106 Resp: 28737

Ion Ratio Lower Upper

106 100

91 224.8 160.7 241.1

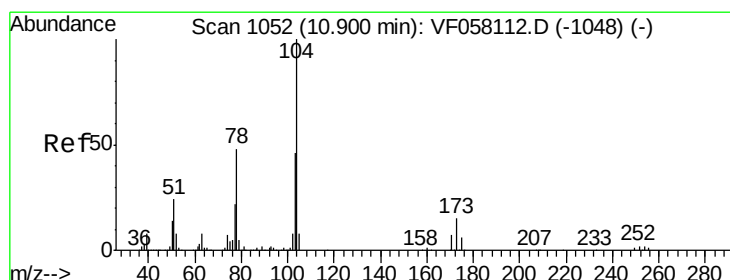
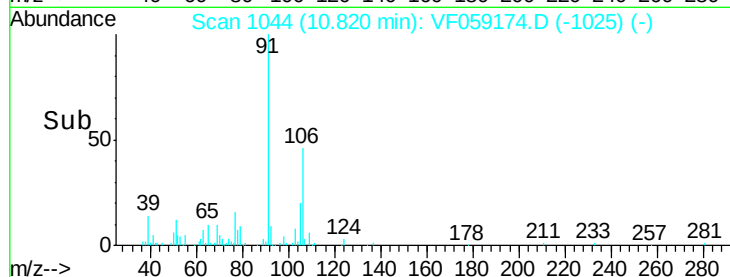
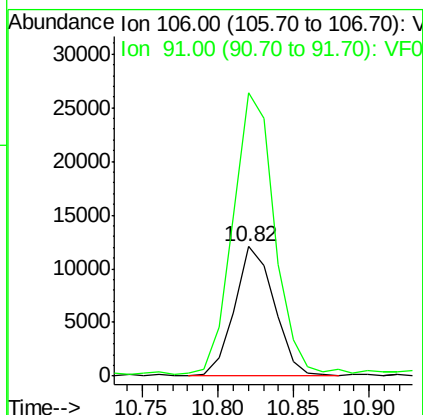
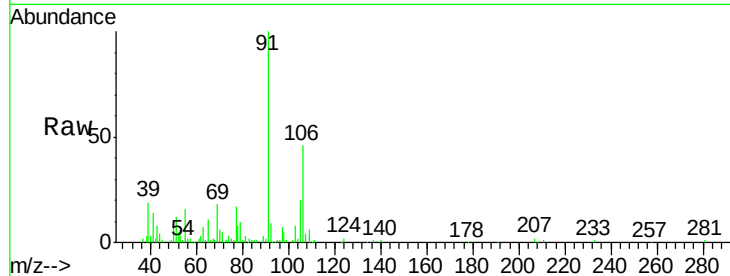




#69
o-Xylene
Concen: 8.677 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

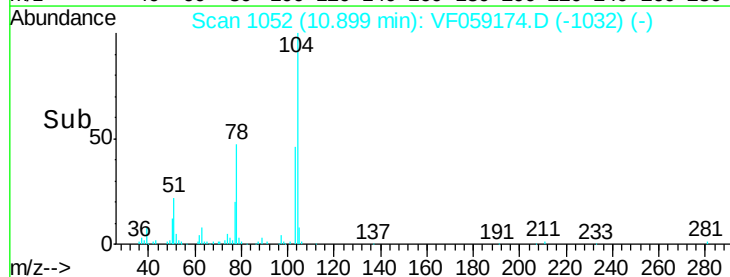
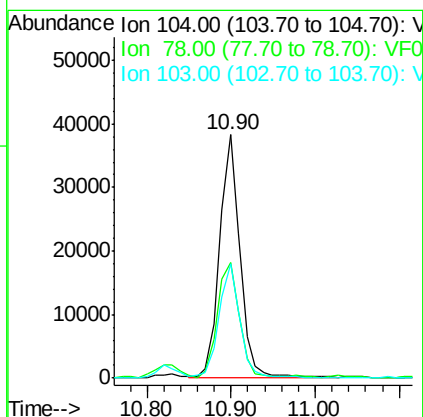
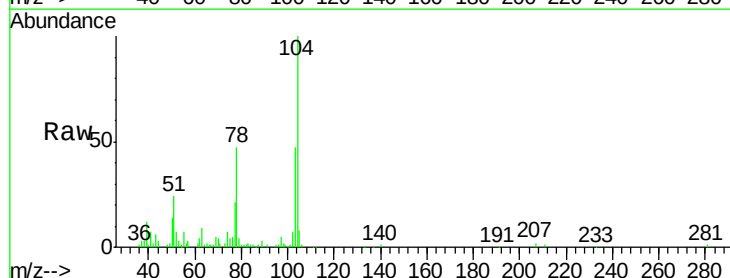
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

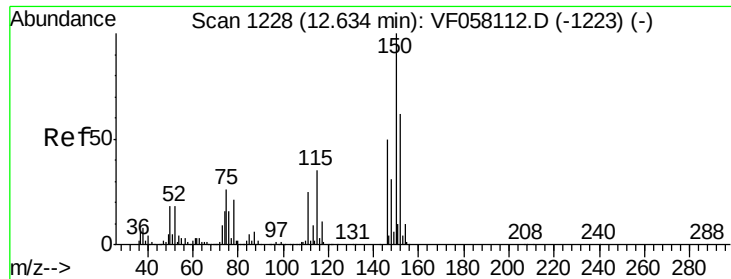
Tgt Ion:106 Resp: 22112
Ion Ratio Lower Upper
106 100
91 218.7 107.0 321.0



#70
Styrene
Concen: 16.665 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Tgt Ion:104 Resp: 64257
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 47.2 37.0 55.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

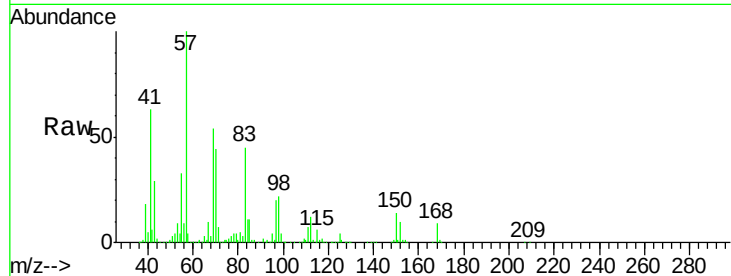
Tgt Ion:152 Resp: 25269

Ion Ratio Lower Upper

152 100

115 56.7 28.5 85.5

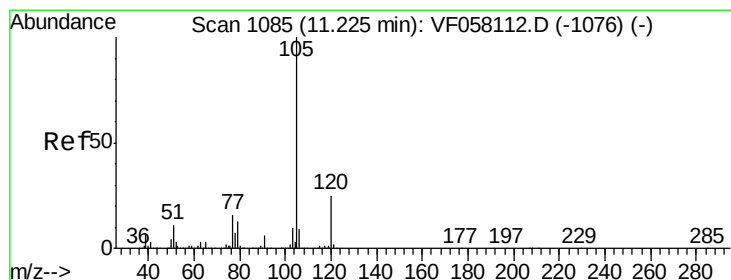
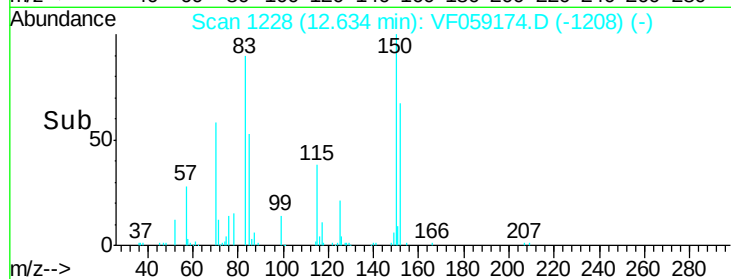
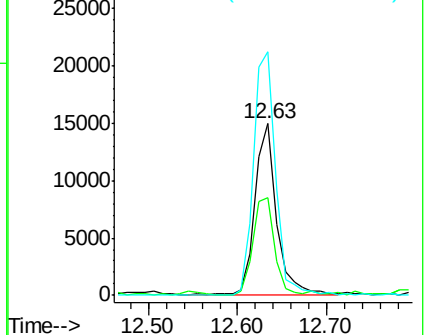
150 142.0 0.0 323.8



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



#73

Isopropylbenzene

Concen: 28.448 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059174.D

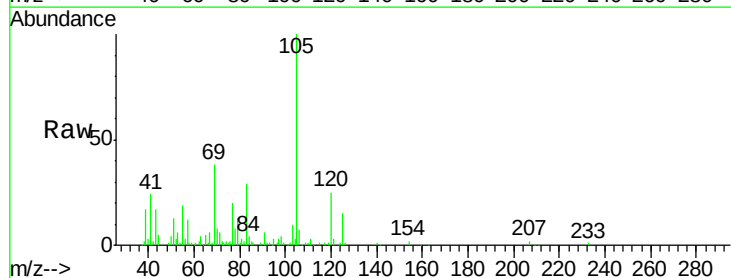
Acq: 18 Jun 2018 14:33

Tgt Ion:105 Resp: 49770

Ion Ratio Lower Upper

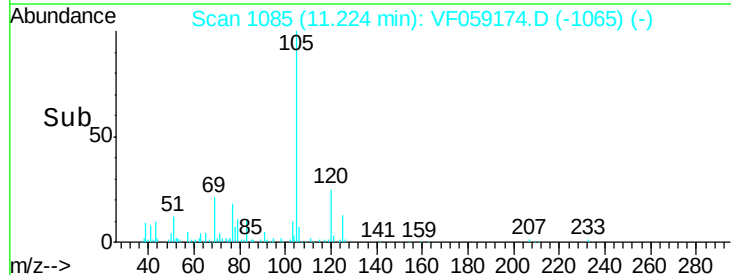
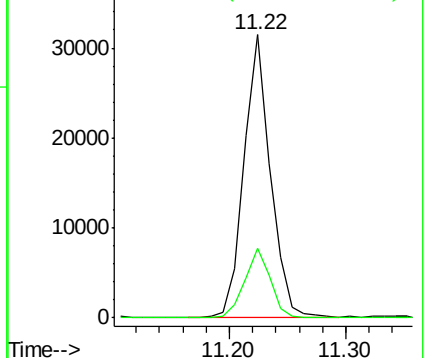
105 100

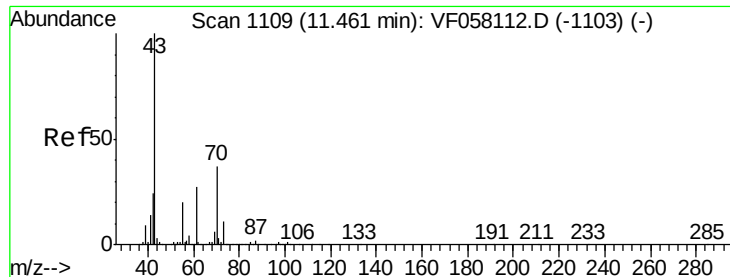
120 24.8 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 7.308 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.03 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tgt Ion: 43 Resp: 4567

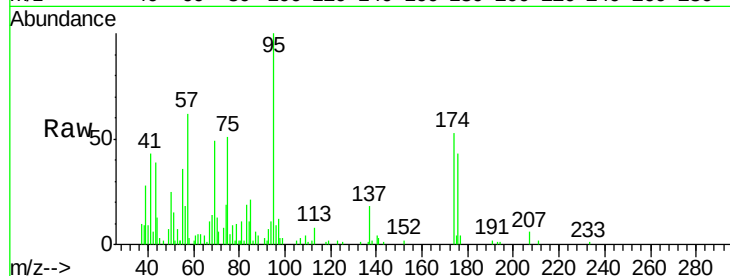
Ion Ratio Lower Upper

43 100

70 34.2 29.2 43.8

55 92.9 15.8 23.6#

61 11.1 21.3 31.9#



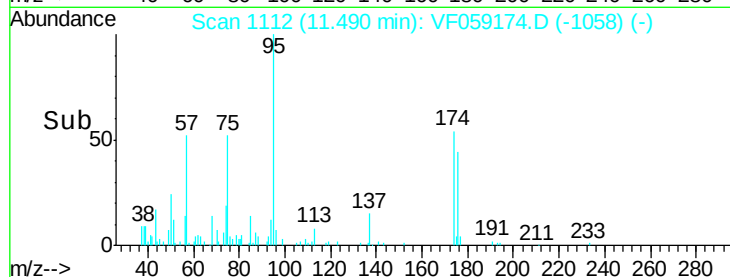
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

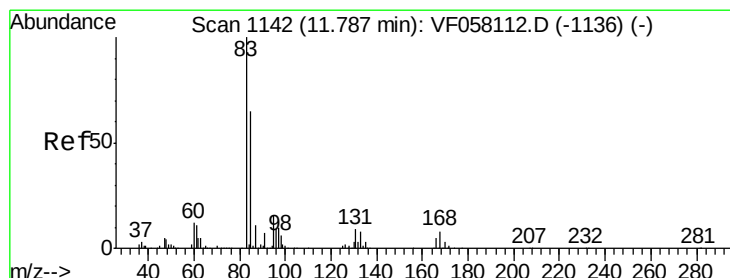
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Time-->



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 63.654 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

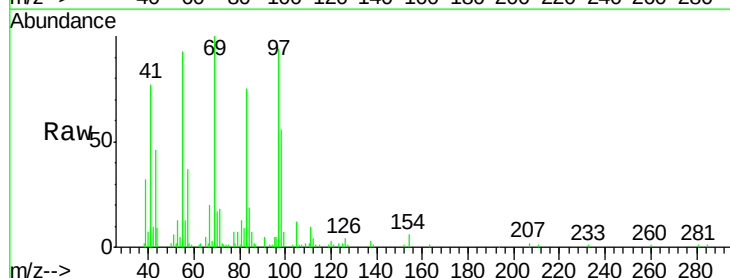
Tgt Ion: 83 Resp: 26402

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 8.9 32.8 98.3#

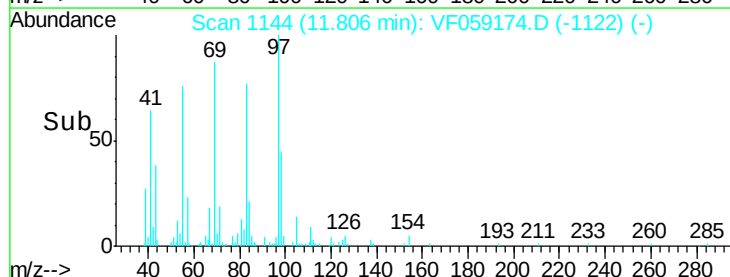


Abundance Ion 83.00 (82.70 to 83.70): VF0

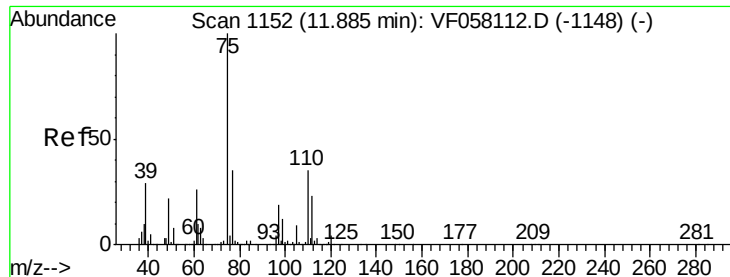
Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 1.061 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

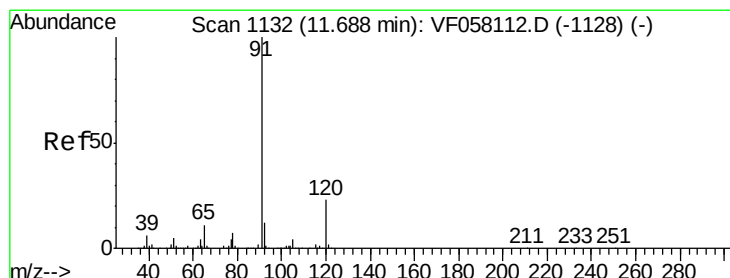
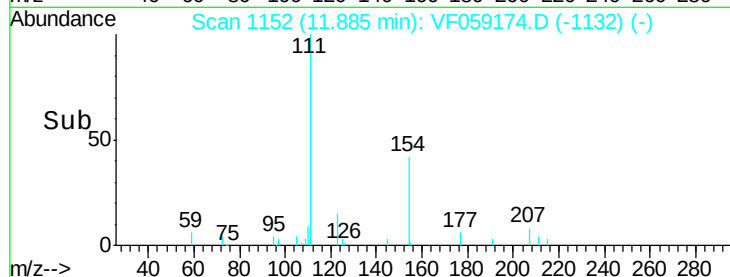
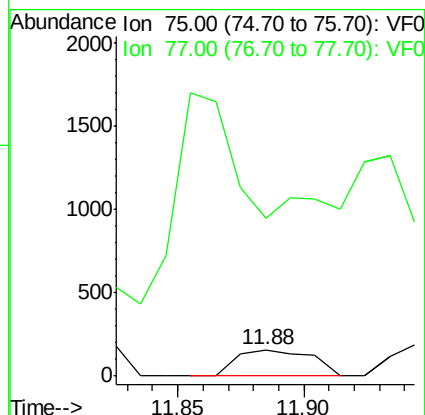
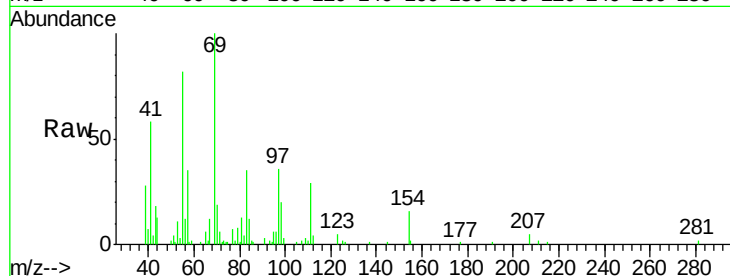
OILY-SOIL

Tgt Ion: 75 Resp: 325

Ion Ratio Lower Upper

75 100

77 595.6 17.5 52.5#



#78

n-propylbenzene

Concen: 13.494 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059174.D

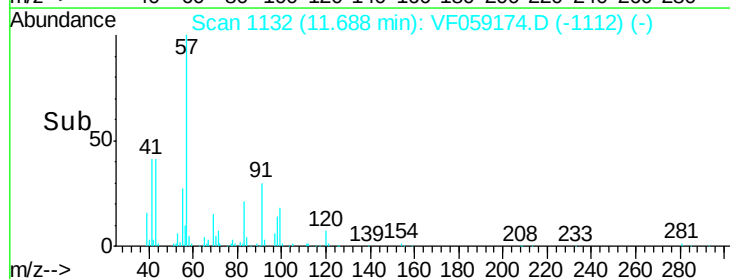
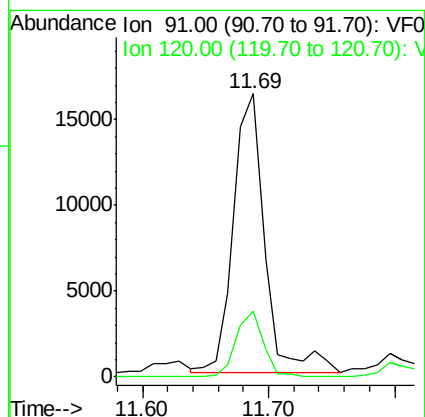
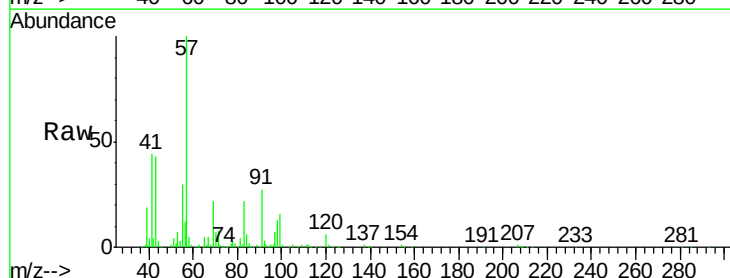
Acq: 18 Jun 2018 14:33

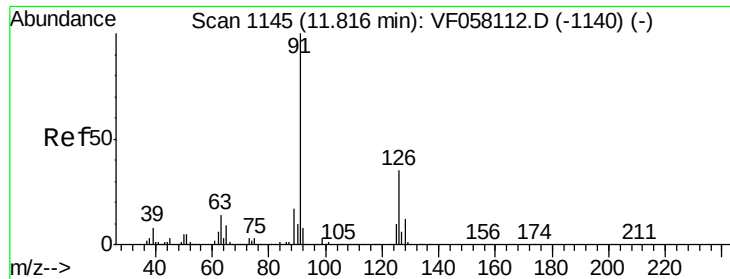
Tgt Ion: 91 Resp: 27943

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5

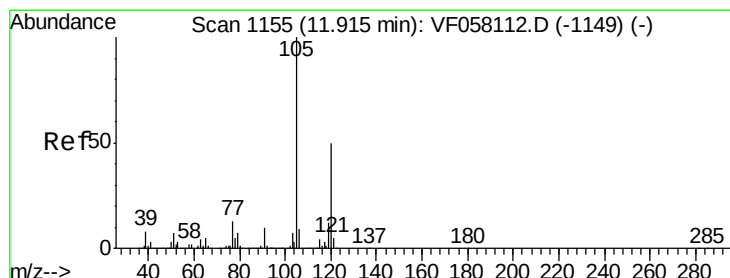
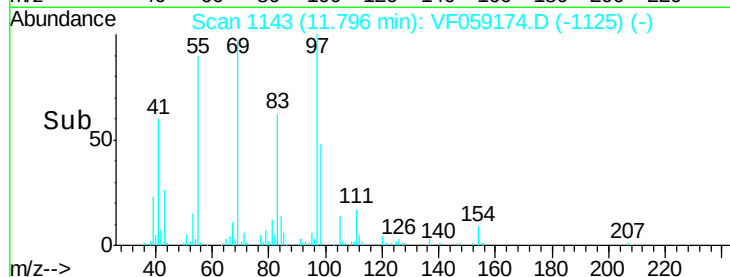
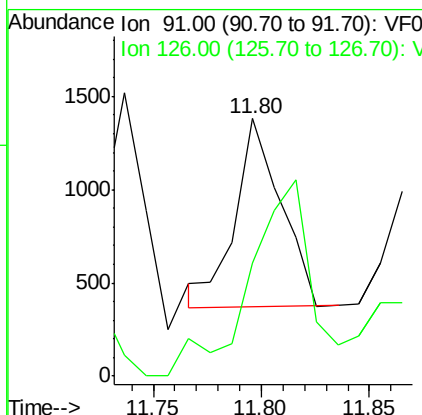
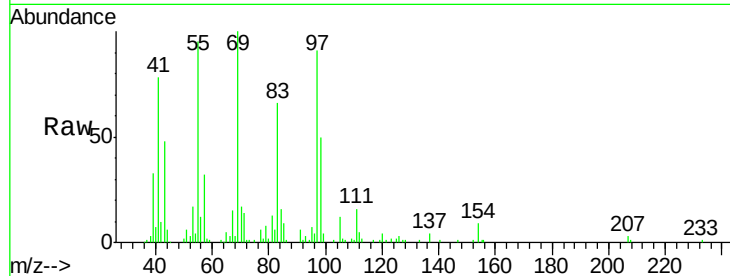




#79
 2-Chlorotoluene
 Concen: 1.209 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.02 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

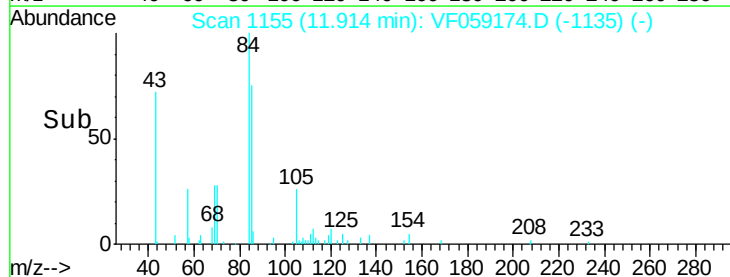
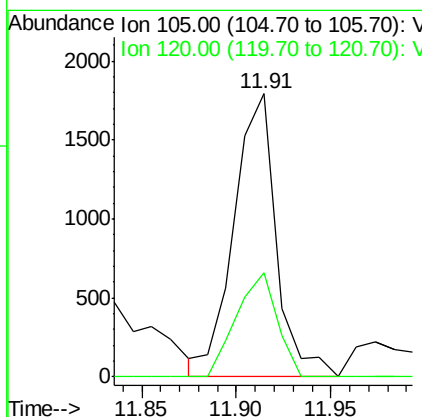
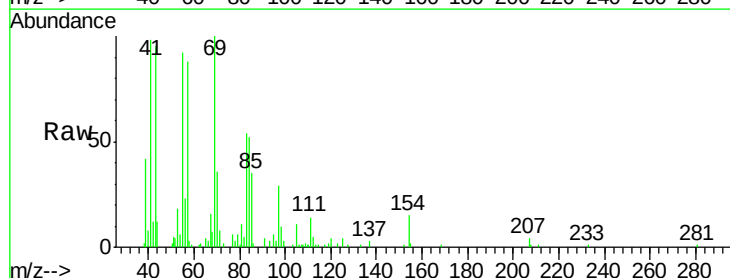
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

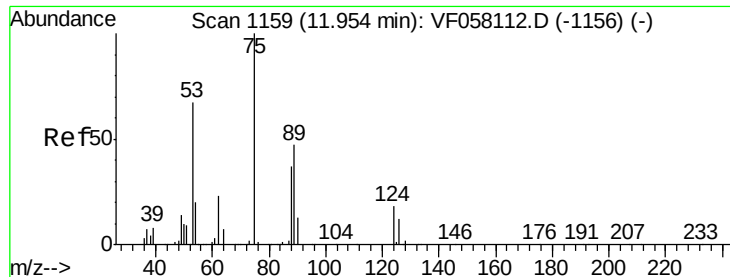
Tgt Ion: 91 Resp: 1479
 Ion Ratio Lower Upper
 91 100
 126 44.1 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 1.917 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

Tgt Ion: 105 Resp: 2776
 Ion Ratio Lower Upper
 105 100
 120 36.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 1.657 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

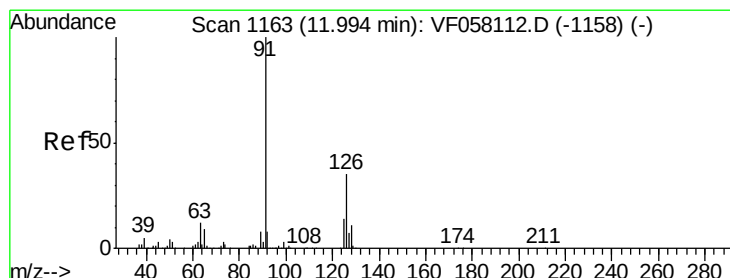
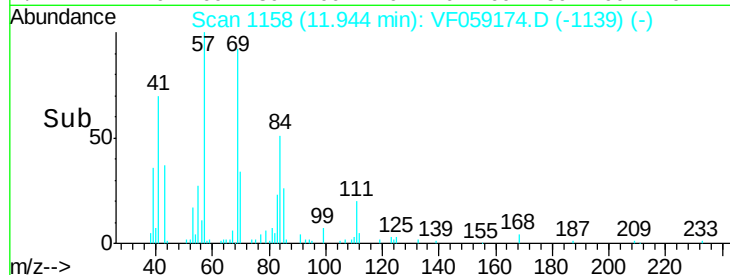
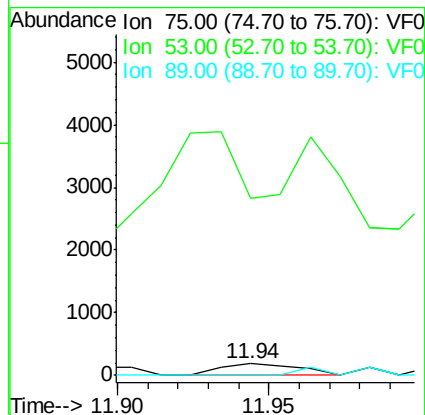
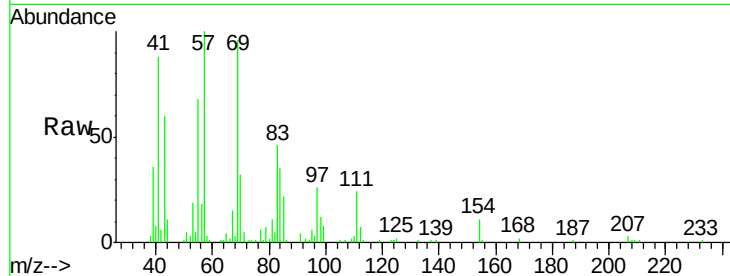
Tgt Ion: 75 Resp: 329

Ion Ratio Lower Upper

75 100

53 1533.7 58.7 88.1#

89 0.0 39.8 59.6#



#82

4-Chlorotoluene

Concen: 3.736 ug/l

RT: 12.08 min Scan# 1172

Delta R.T. 0.09 min

Lab File: VF059174.D

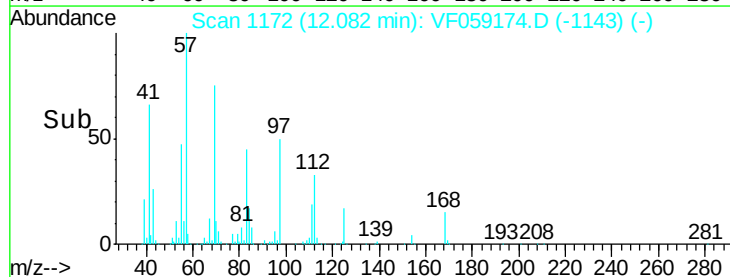
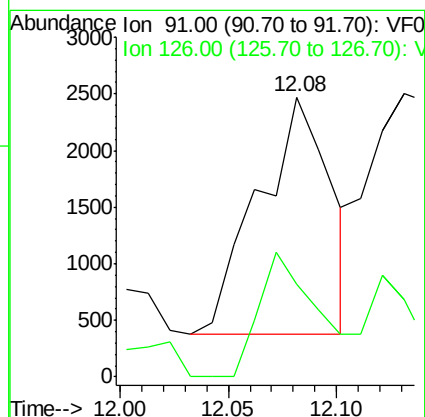
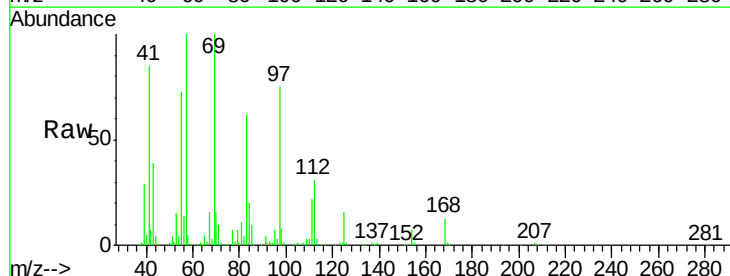
Acq: 18 Jun 2018 14:33

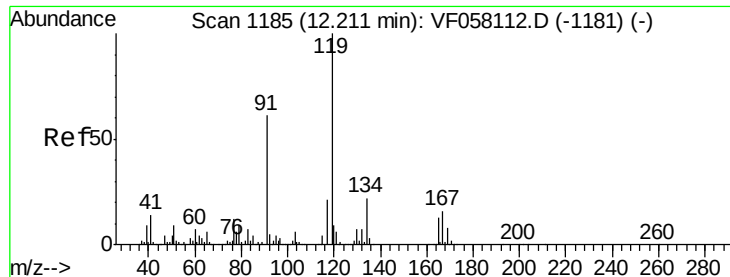
Tgt Ion: 91 Resp: 4866

Ion Ratio Lower Upper

91 100

126 33.0 17.4 52.2

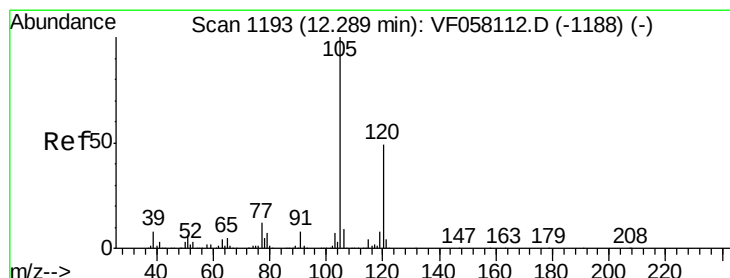
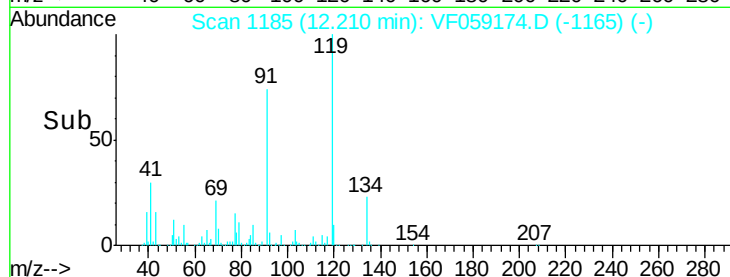
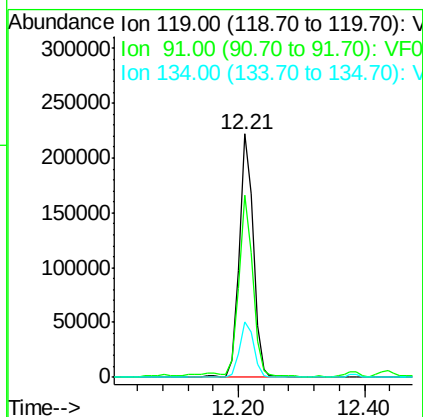
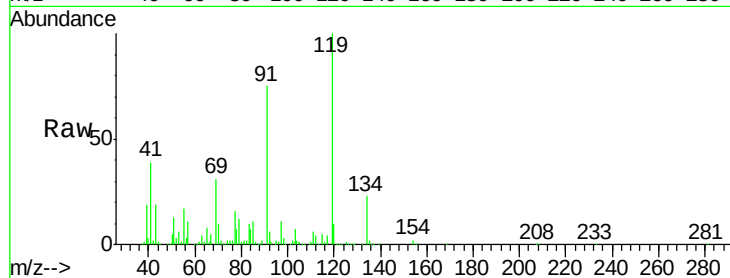




#83
 tert-Butylbenzene
 Concen: 233.717 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

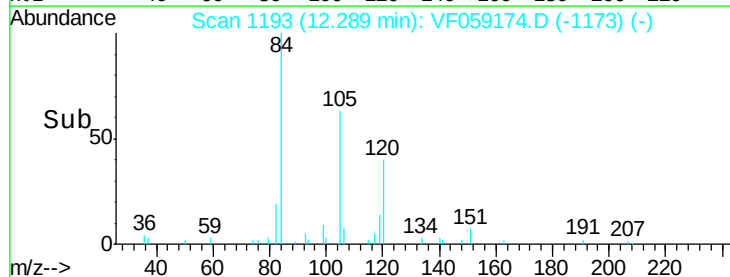
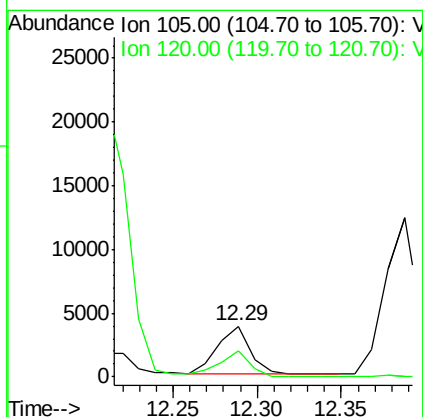
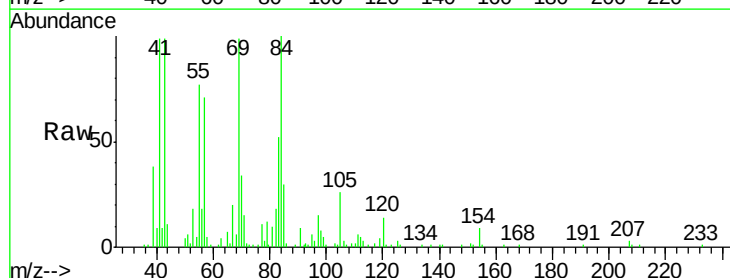
Instrument :
 MSVOA_F
 ClientSampled :
 OILY-SOIL

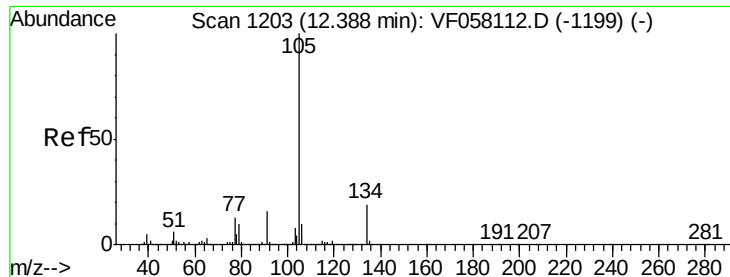
Tgt Ion:119 Resp: 336028
 Ion Ratio Lower Upper
 119 100
 91 74.6 30.4 91.3
 134 23.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 3.410 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

Tgt Ion:105 Resp: 5116
 Ion Ratio Lower Upper
 105 100
 120 52.4 24.7 74.1





#85

sec-Butylbenzene

Concen: 8.563 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampled :

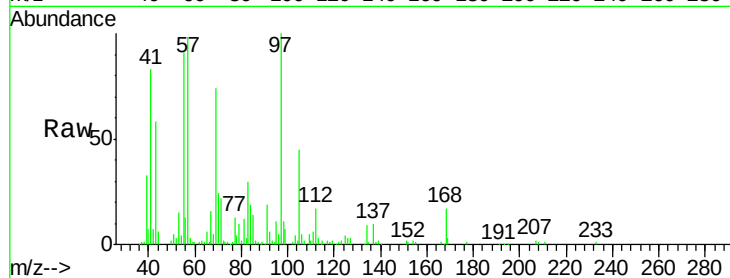
OILY-SOIL

Tgt Ion:105 Resp: 16730

Ion Ratio Lower Upper

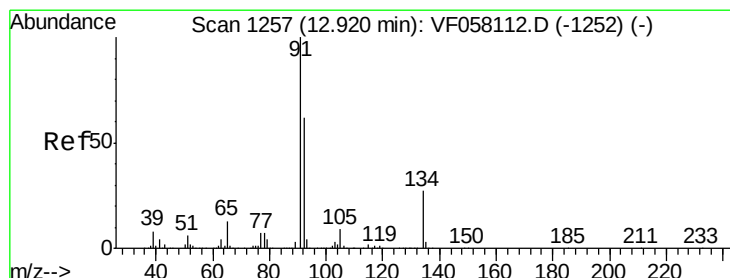
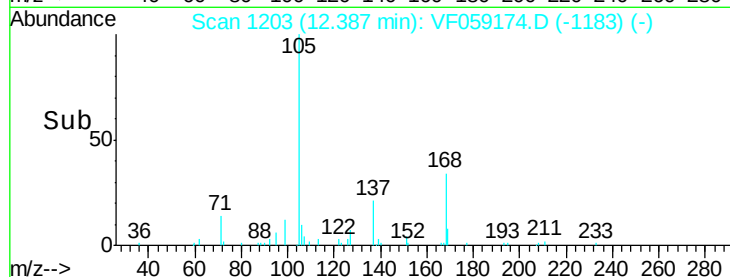
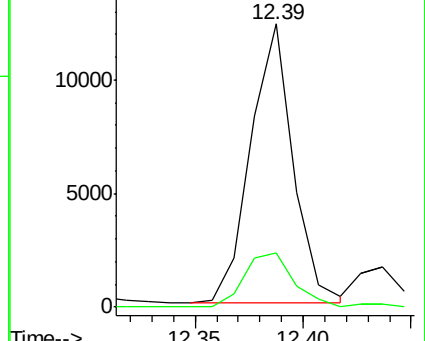
105 100

134 19.0 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 14.242 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. 0.02 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

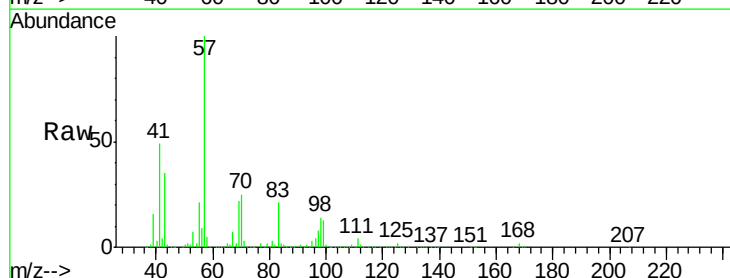
Tgt Ion: 91 Resp: 26805

Ion Ratio Lower Upper

91 100

92 11.8 31.1 93.5#

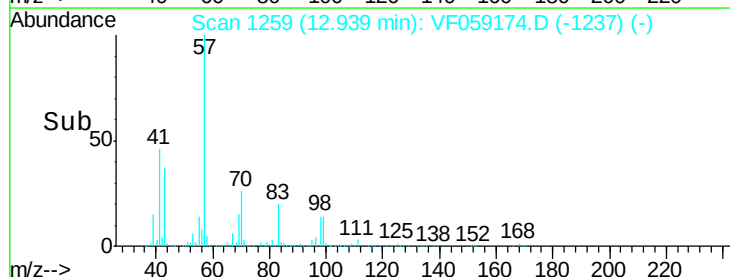
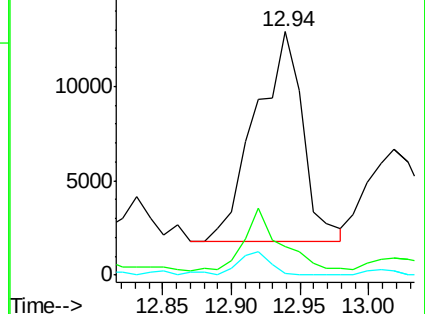
134 0.9 13.6 40.8#

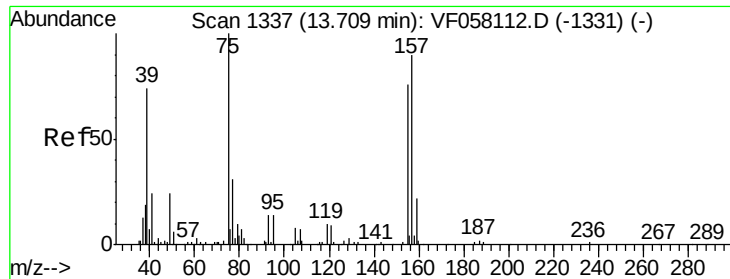


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

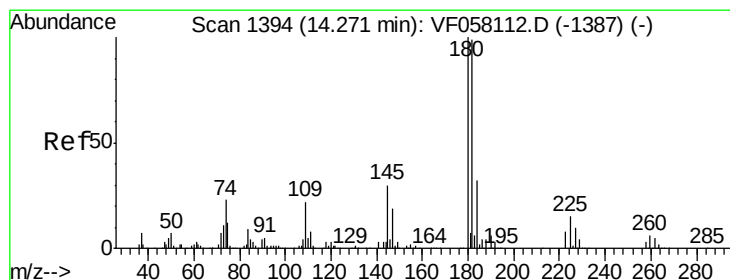
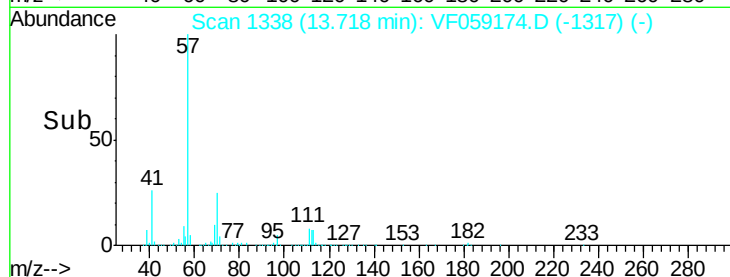
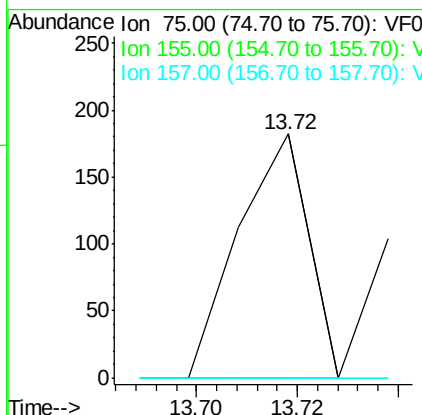
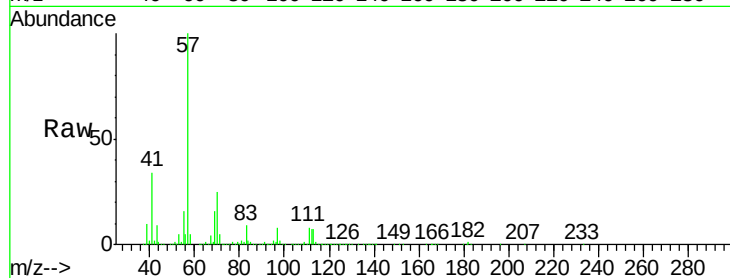




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.151 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

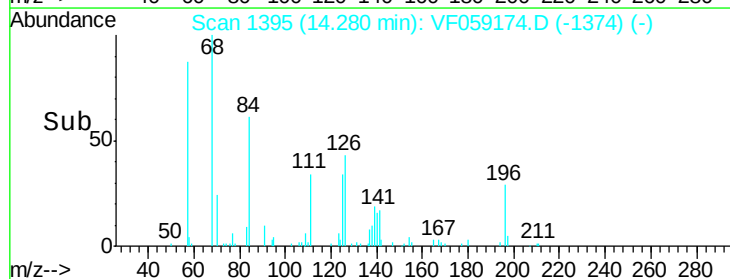
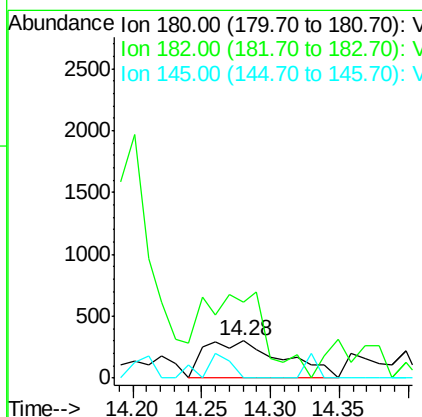
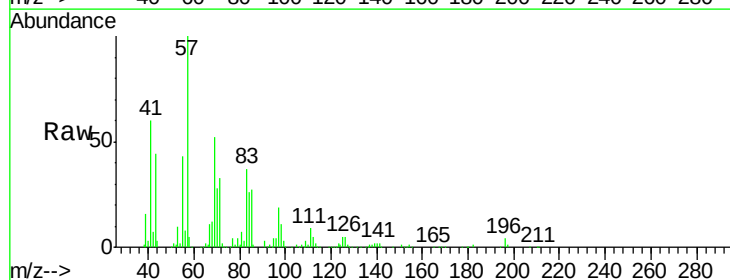
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

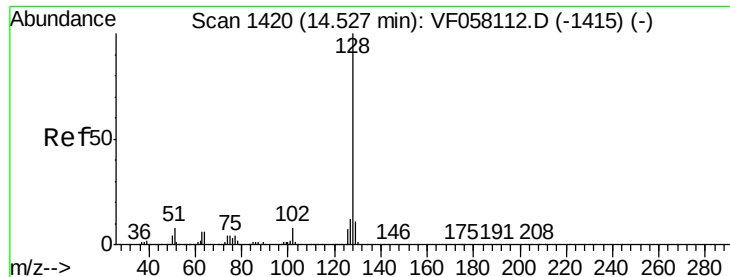
Tgt Ion: 75 Resp: 175
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.0 114.0#
 157 0.0 45.1 135.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.169 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.01 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

Tgt Ion: 180 Resp: 1188
 Ion Ratio Lower Upper
 180 100
 182 205.7 49.3 147.9#
 145 0.0 14.9 44.9#





#95

Naphthalene

Concen: 7.057 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

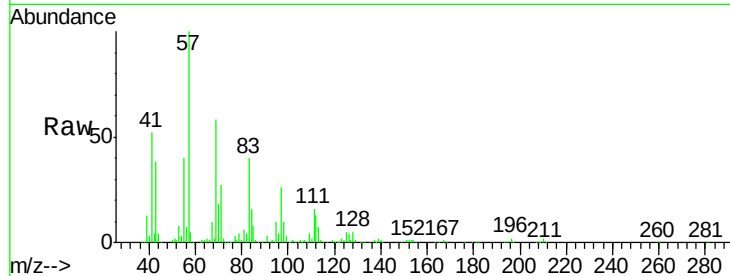
Tgt Ion:128 Resp: 8256

Ion Ratio Lower Upper

128 100

127 27.0 9.9 14.9#

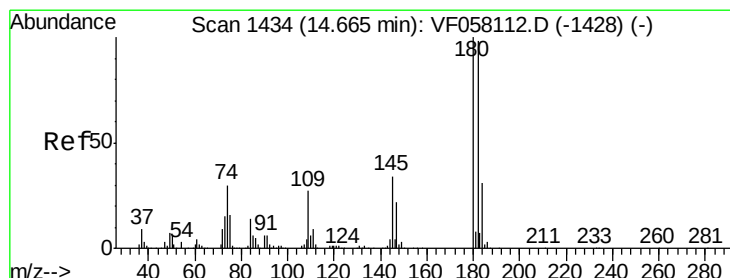
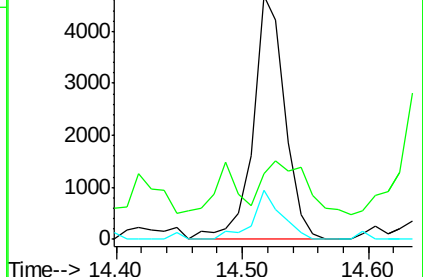
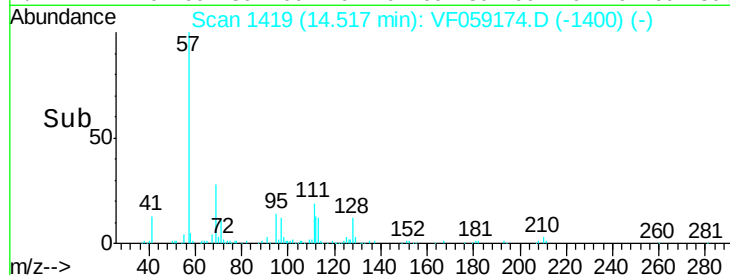
129 20.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.411 ug/l

RT: 14.67 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

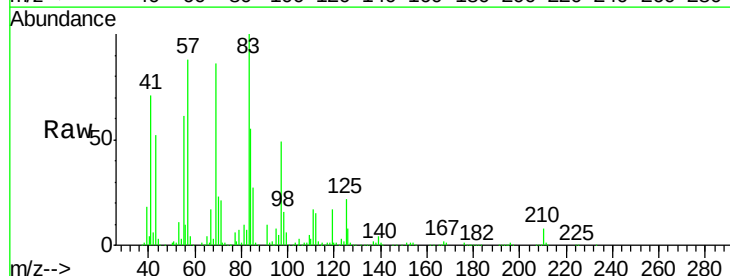
Tgt Ion:180 Resp: 714

Ion Ratio Lower Upper

180 100

182 49.0 48.9 146.6

145 36.4 17.3 51.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

