

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061935.D
 Acq On : 13 Mar 2019 18:51
 Operator : VA/AP
 Sample : K1895-01
 Misc : 5.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

Quant Time: Mar 14 01:18:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	250384	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	412461	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	280095	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	101955	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	114276	62.67	ug/l	-0.02
Spiked Amount			Recovery	=	125.34%	
35) Dibromofluoromethane	4.10	113	156017	54.20	ug/l	-0.02
Spiked Amount			Recovery	=	108.40%	
50) Toluene-d8	7.54	98	365471	42.72	ug/l	-0.02
Spiked Amount			Recovery	=	85.44%	
62) 4-Bromofluorobenzene	11.40	95	141268	42.15	ug/l	-0.02
Spiked Amount			Recovery	=	84.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	581	5.614	ug/l #	1
13) Acrolein	1.99	56	7962	60.714	ug/l #	29
14) Allyl chloride	2.04	41	31231	13.239	ug/l #	56
15) Acrylonitrile	2.91	53	5070	15.384	ug/l #	57
16) Acetone	2.23	43	28130	73.648	ug/l #	89
18) Methyl Acetate	2.36	43	5737	Below Cal	#	62
20) Methylene Chloride	2.16	84	3922	Below Cal	#	70
25) 2-Butanone	4.32	43	17947	23.100	ug/l #	65
26) 2,2-Dichloropropane	3.51	77	1844	1.126	ug/l #	55
29) Tetrahydrofuran	3.99	42	31793	94.886	ug/l #	1
31) Cyclohexane	3.72	56	181683	47.291	ug/l #	69
37) Ethyl Acetate	3.99	43	198425	121.335	ug/l #	9
39) Methylcyclohexane	5.44	83	462310	100.460	ug/l	98
41) Methacrylonitrile	4.63	41	27796	31.023	ug/l #	44
43) Isopropyl Acetate	7.01	43	14782	7.333	ug/l #	42
48) Methyl methacrylate	6.63	41	45070	35.328	ug/l #	81
49) 1,4-Dioxane	6.85	88	79	6.774	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	84997	61.008	ug/l #	41
55) 1,1,2-Trichloroethane	8.37	97	37037	21.336	ug/l #	32
56) Ethyl methacrylate	8.61	69	97134	49.652	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.24	63	651	2.104	ug/l #	44
59) 2-Hexanone	9.40	43	10449	10.396	ug/l #	27
67) Ethyl Benzene	9.89	91	48109	5.394	ug/l	97
68) m/p-Xylenes	10.11	106	122338	35.805	ug/l	98
69) o-Xylene	10.70	106	218772	59.461	ug/l	99
73) Isopropylbenzene	11.11	105	67679	9.642	ug/l	96
74) N-amyl acetate	11.38	43	34896	21.596	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.75	83	18142	15.551	ug/l #	48
76) 1,2,3-Trichloropropane	11.81	75	20224	25.401	ug/l #	1
78) n-propylbenzene	11.58	91	123941	15.636	ug/l	100
79) 2-Chlorotoluene	11.71	91	275437	60.780	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.82	105	2028013	359.868	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.81	75	20224	55.549	ug/l #	1
82) 4-Chlorotoluene	11.82	91	214551	46.287	ug/l #	41

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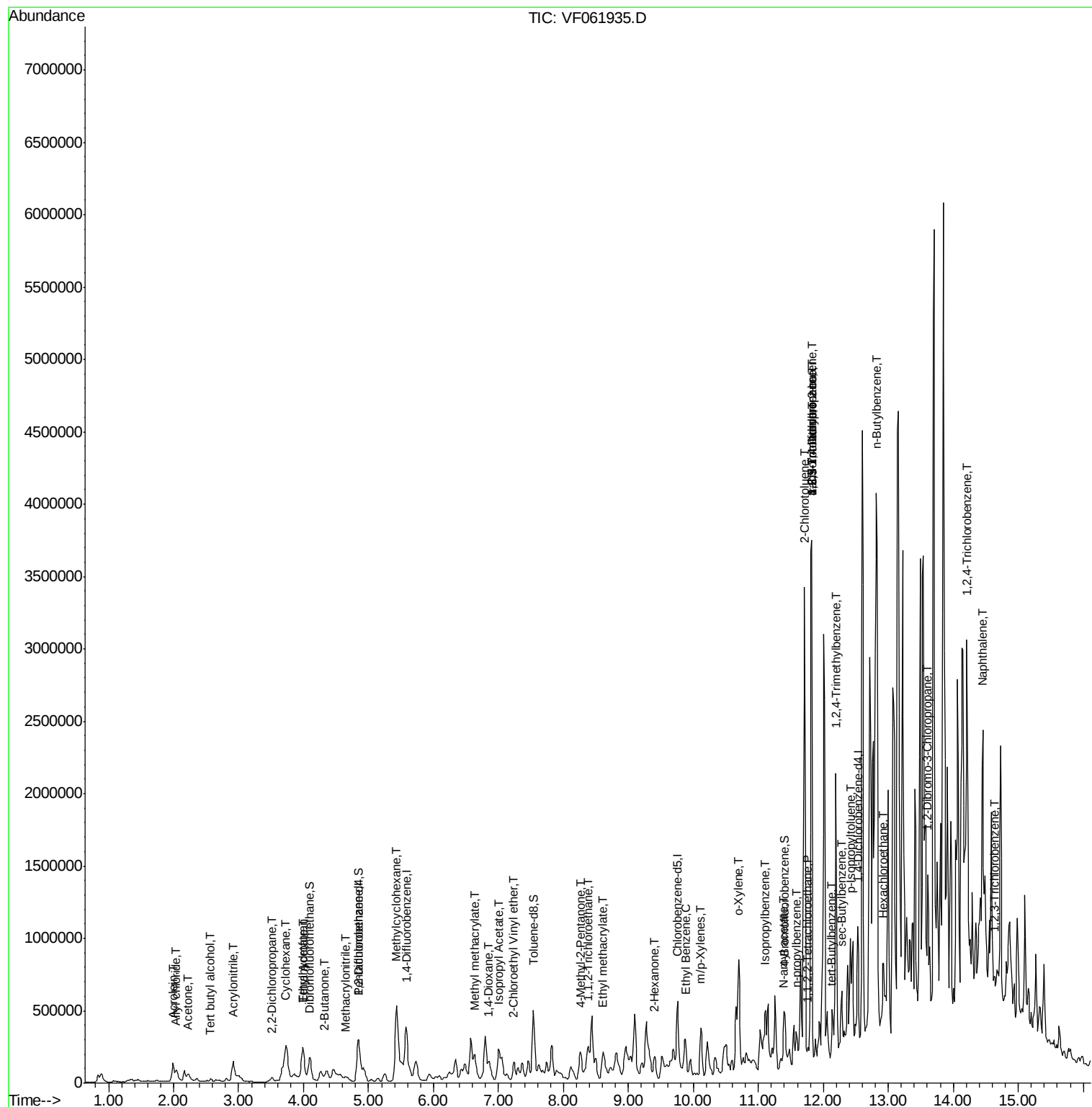
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.12	119	8045	1.344	ug/l #	44
84) 1,2,4-Trimethylbenzene	12.19	105	841871	152.390	ug/l	98
85) sec-Butylbenzene	12.29	105	83018	10.661	ug/l #	60
86) p-Isopropyltoluene	12.42	119	378538	57.188	ug/l	98
89) n-Butylbenzene	12.83	91	512353	80.994	ug/l #	1
90) Hexachloroethane	12.92	117	22120	13.884	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.60	75	3269	18.689	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.20	180	2202	1.034	ug/l #	1
95) Naphthalene	14.44	128	132421	34.897	ug/l #	57
96) 1,2,3-Trichlorobenzene	14.63	180	9824	4.994	ug/l #	1

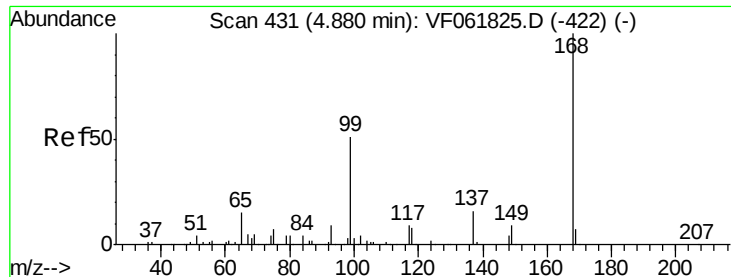
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampled :

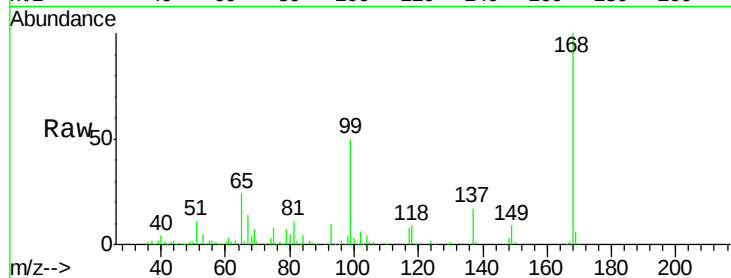
OILY-SOIL

Tot Ion:168 Resp: 250384

Ion Ratio Lower Upper

168 100

99 50.3 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

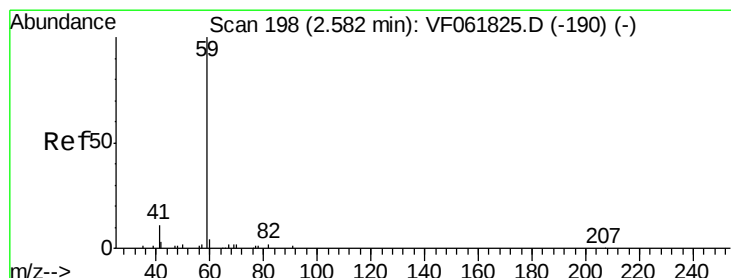
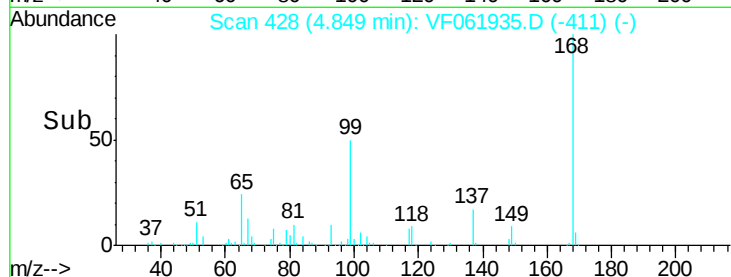
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 5.614 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF061935.D

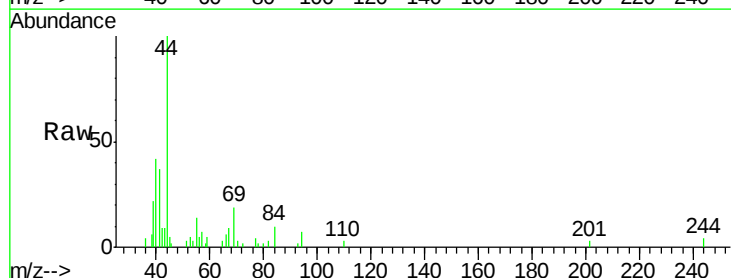
Acq: 13 Mar 2019 18:51

Tgt Ion: 59 Resp: 581

Ion Ratio Lower Upper

59 100

57 142.3 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

500

400

300

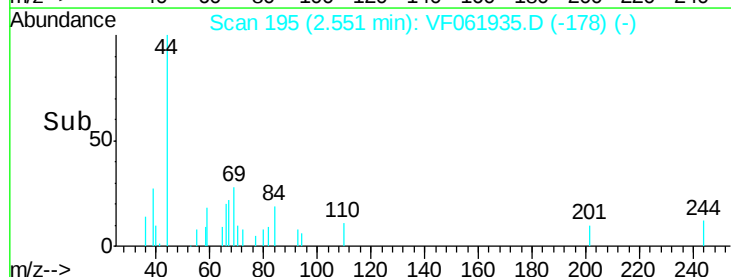
200

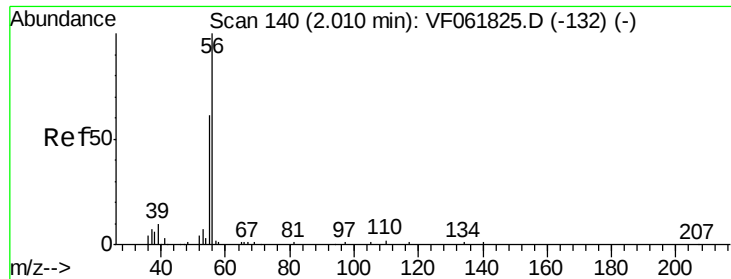
100

0

Time-->

2.50 2.55 2.60

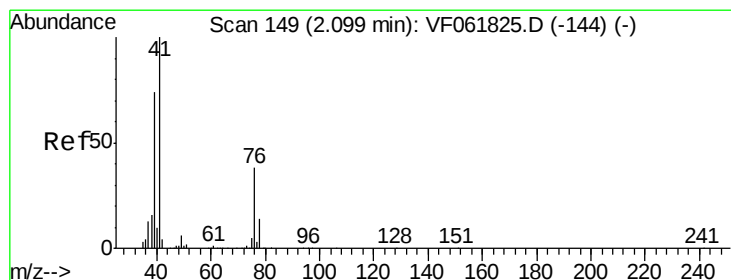
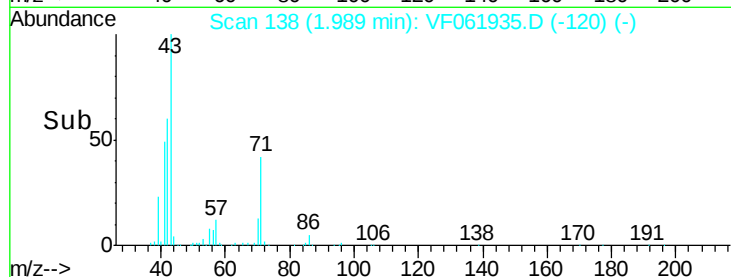
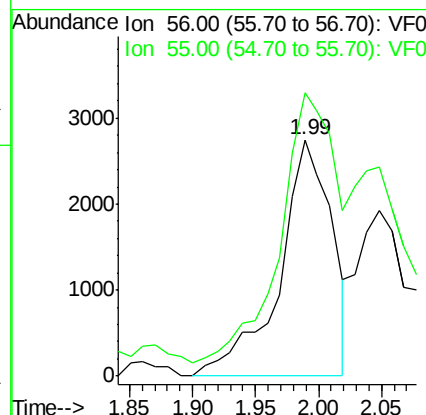
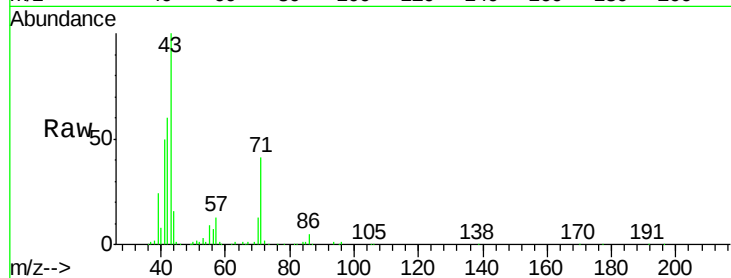




#13
 Acrolein
 Concen: 60.714 ug/l
 RT: 1.99 min Scan# 138
 Delta R.T. -0.02 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

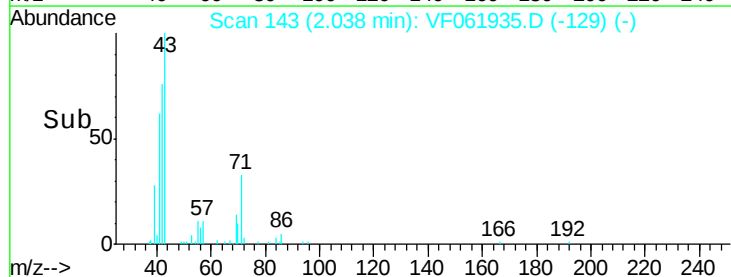
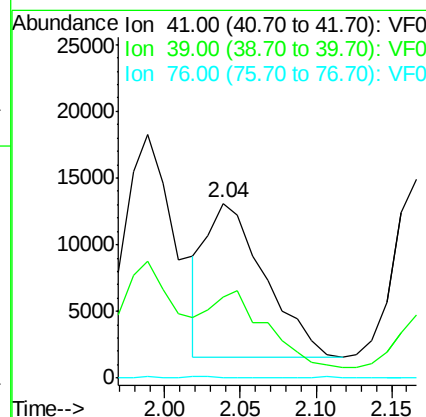
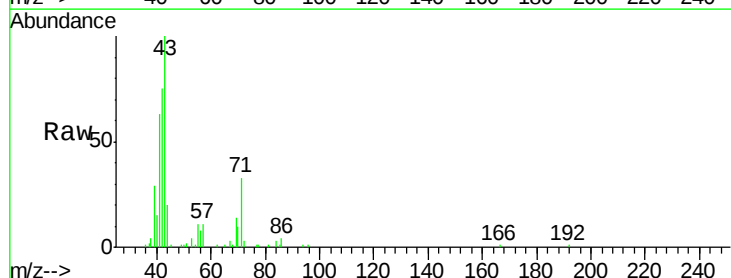
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

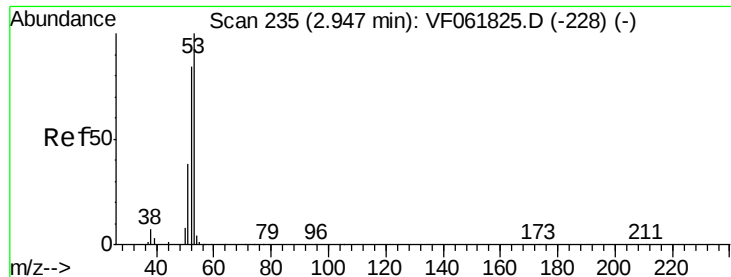
Tot Ion: 56 Resp: 7962
 Ion Ratio Lower Upper
 56 100
 55 119.8 51.3 76.9#



#14
 Allyl chloride
 Concen: 13.239 ug/l
 RT: 2.04 min Scan# 143
 Delta R.T. -0.06 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

Tgt Ion: 41 Resp: 31231
 Ion Ratio Lower Upper
 41 100
 39 46.3 59.6 89.4#
 76 0.0 32.3 48.5#





#15

Acrylonitrile

Concen: 15.384 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.04 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

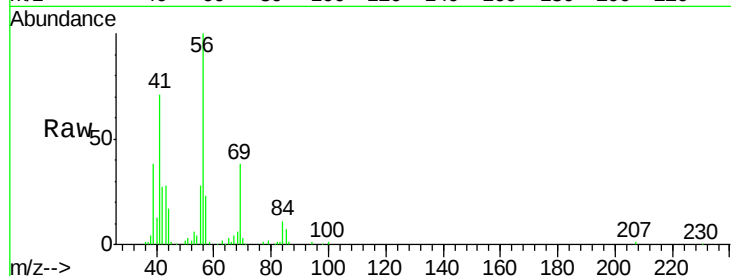
Tot Ion: 53 Resp: 5070

Ion Ratio Lower Upper

53 100

52 29.6 67.4 101.0#

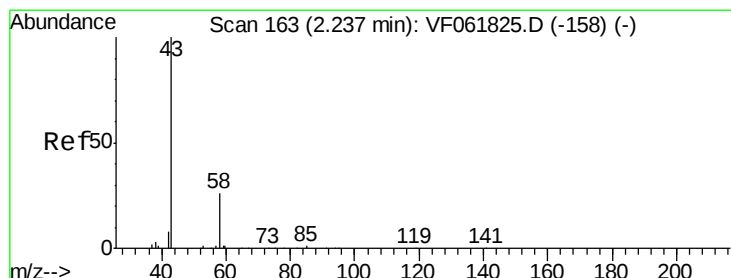
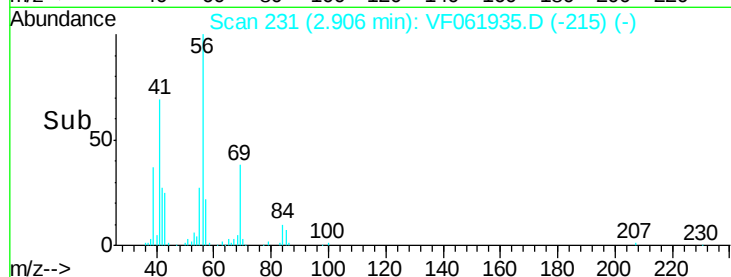
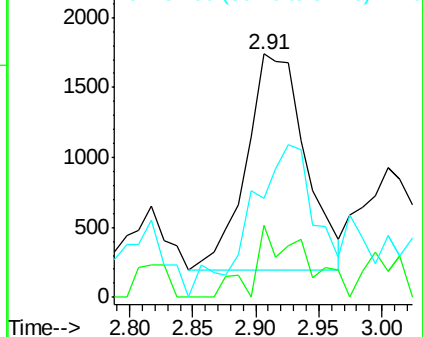
51 40.8 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 73.648 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061935.D

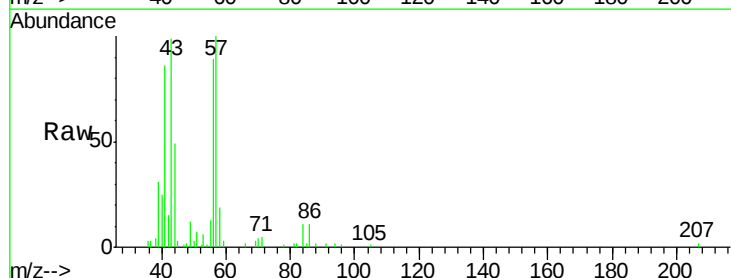
Acq: 13 Mar 2019 18:51

Tgt Ion: 43 Resp: 28130

Ion Ratio Lower Upper

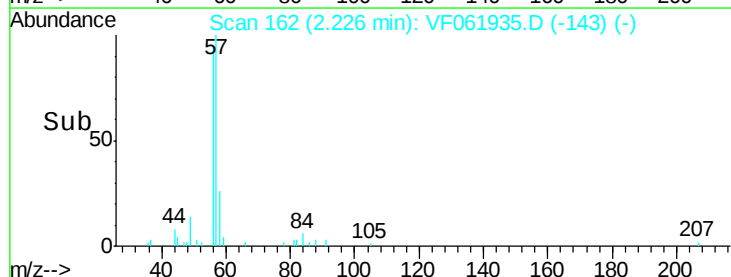
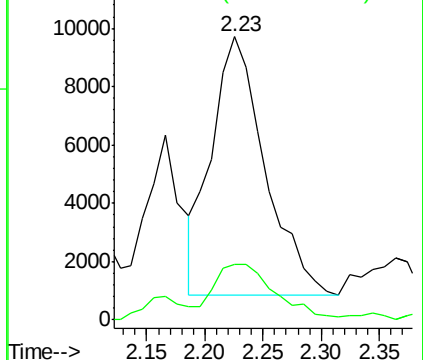
43 100

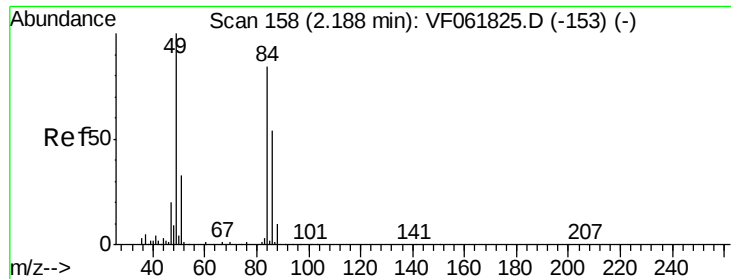
58 19.6 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

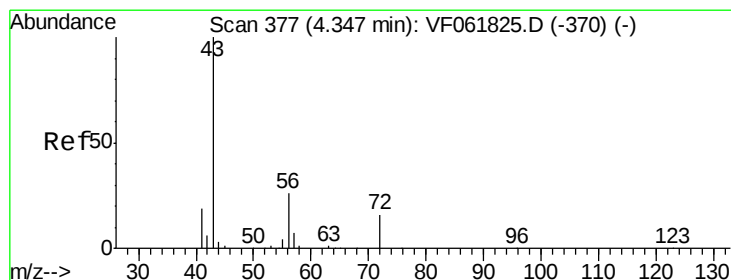
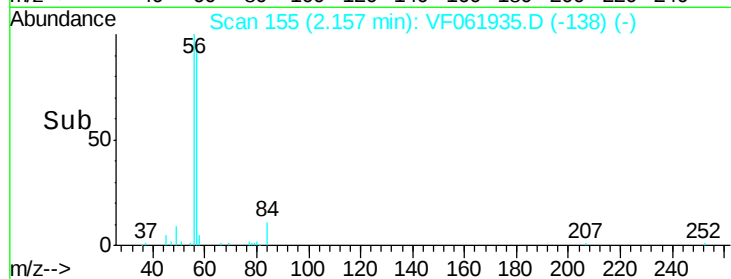
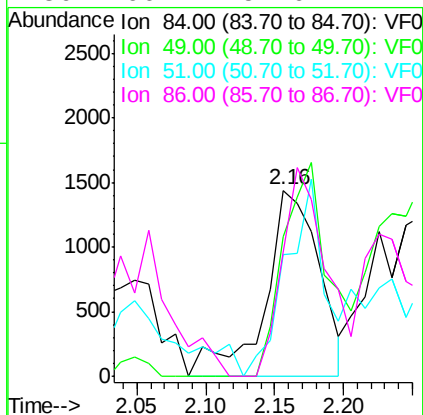
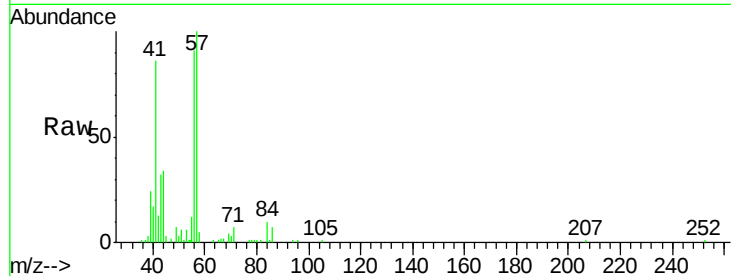




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.16 min Scan# 155
Delta R.T. -0.03 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

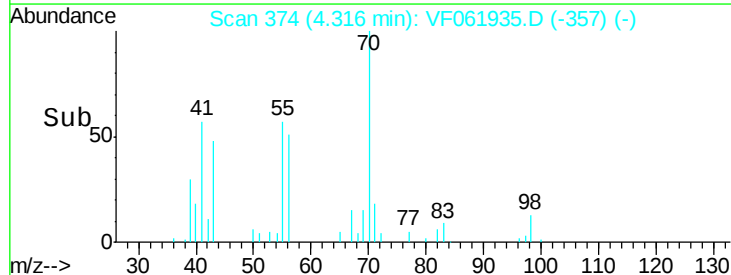
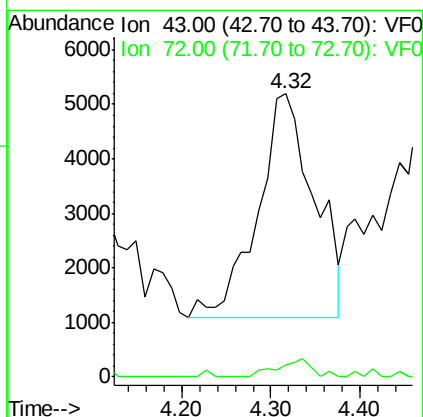
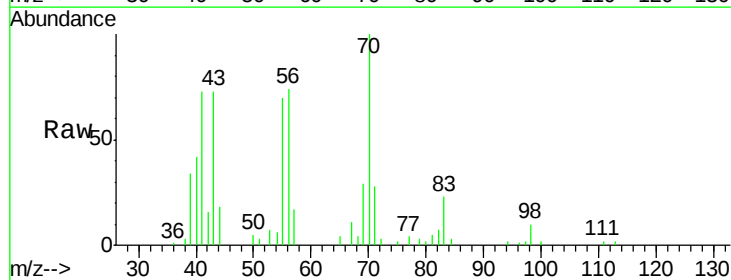
Instrument :
MSVOA_F
ClientSampleId :
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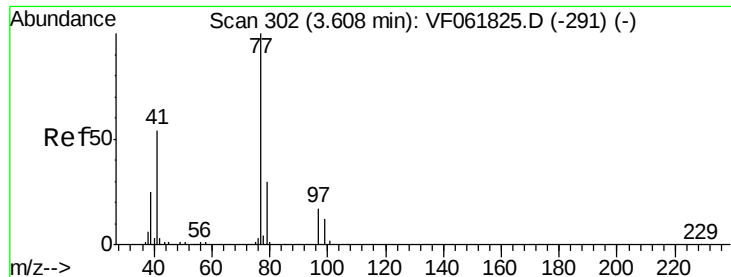
Tot Ion: 84 Resp: 3922
Ion Ratio Lower Upper
84 100
49 75.4 96.8 145.2#
51 65.2 31.8 47.6#
86 66.7 51.6 77.4



#25
2-Butanone
Concen: 23.100 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.03 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion: 43 Resp: 17947
Ion Ratio Lower Upper
43 100
72 4.2 16.2 24.4#





#26

2,2-Dichloropropane

Concen: 1.126 ug/l

RT: 3.51 min Scan# 292

Delta R.T. -0.10 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

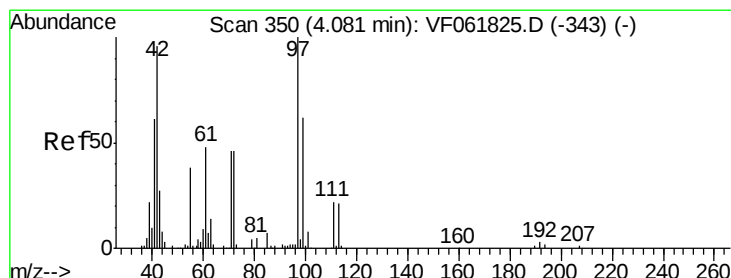
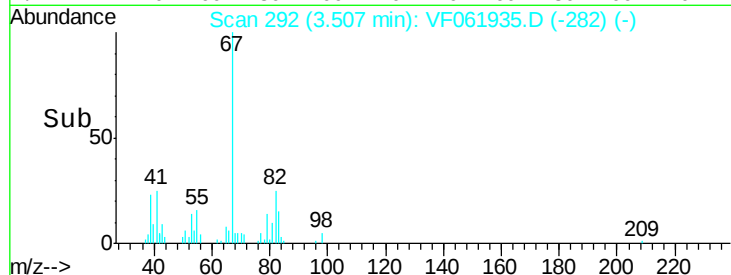
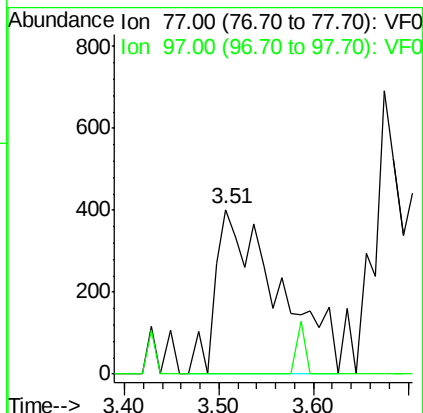
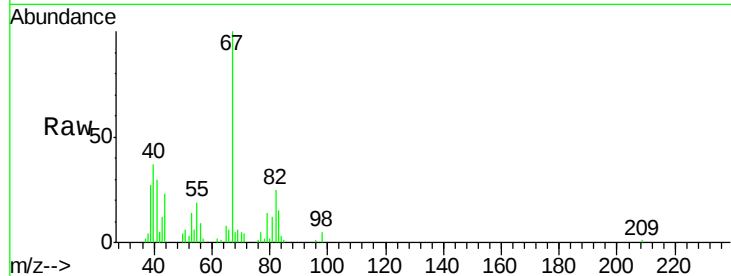
OILY-SOIL

Tot Ion: 77 Resp: 1844

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#29

Tetrahydrofuran

Concen: 94.886 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.09 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

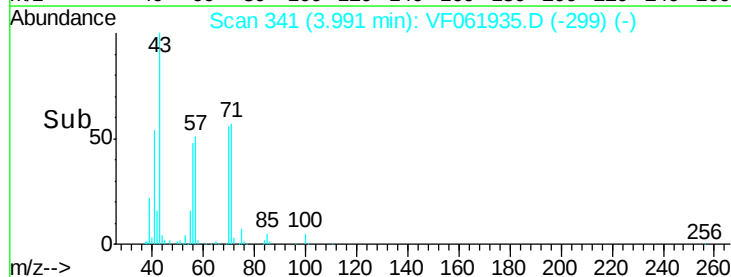
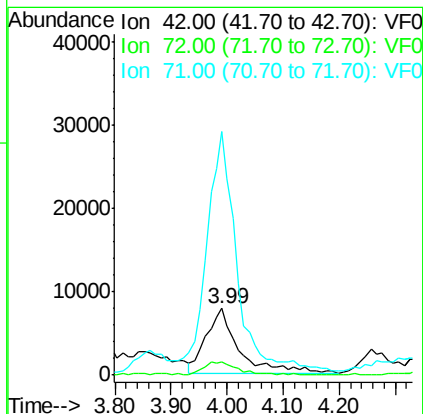
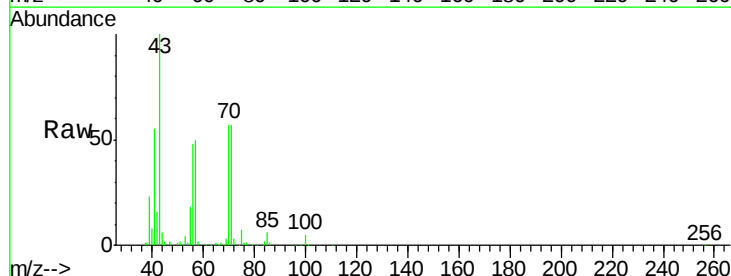
Tgt Ion: 42 Resp: 31793

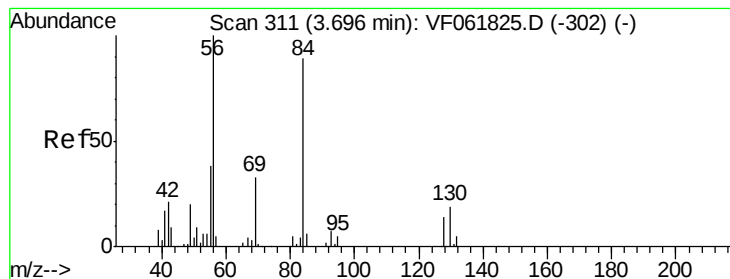
Ion Ratio Lower Upper

42 100

72 21.2 34.4 51.6#

71 335.3 34.6 52.0#





#31

Cyclohexane

Concen: 47.291 ug/l

RT: 3.72 min Scan# 314

Delta R.T. 0.03 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

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ClientSampleId :

OILY-SOIL

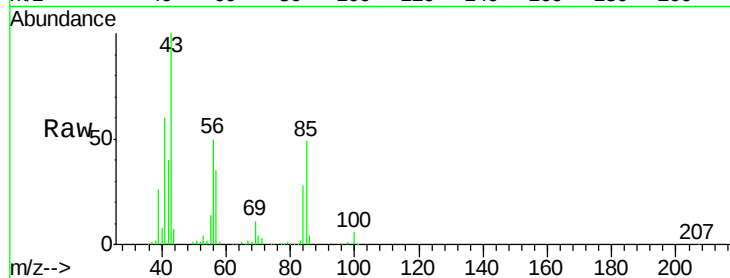
Tot Ion: 56 Resp: 181683

Ion Ratio Lower Upper

56 100

69 22.8 26.0 39.0#

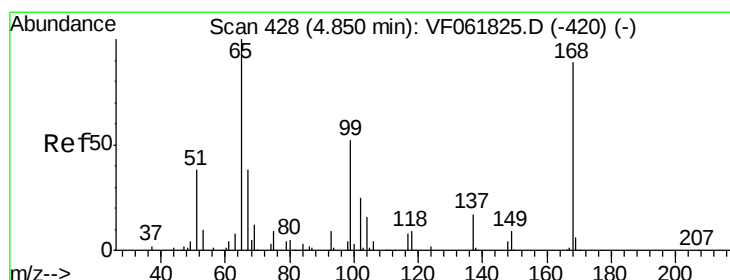
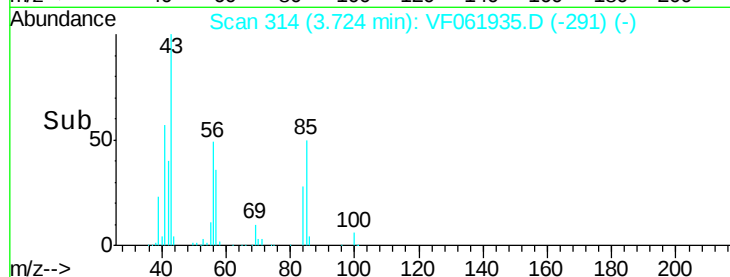
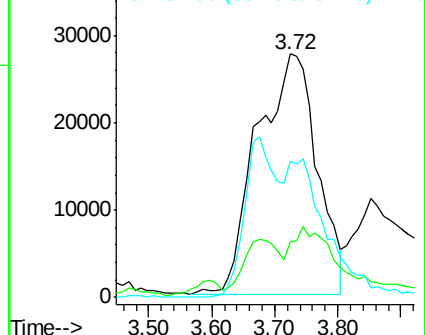
84 55.7 71.0 106.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 62.672 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061935.D

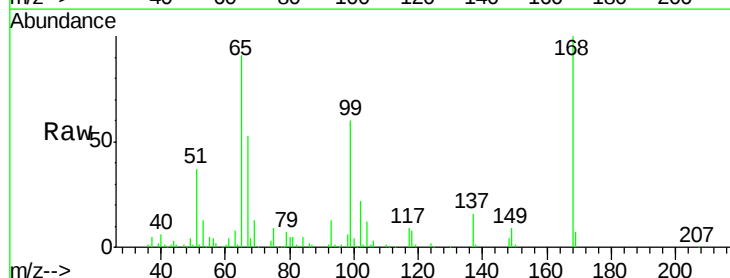
Acq: 13 Mar 2019 18:51

Tgt Ion: 65 Resp: 114276

Ion Ratio Lower Upper

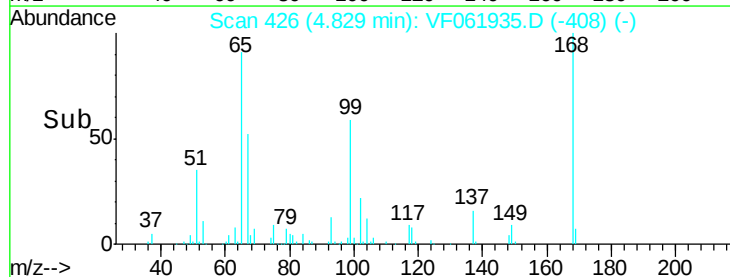
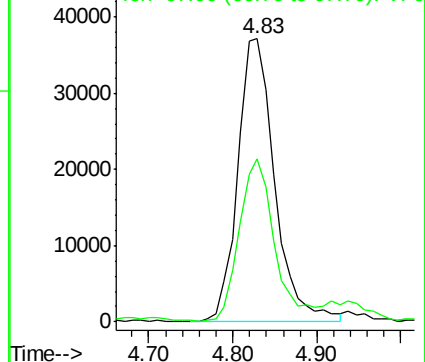
65 100

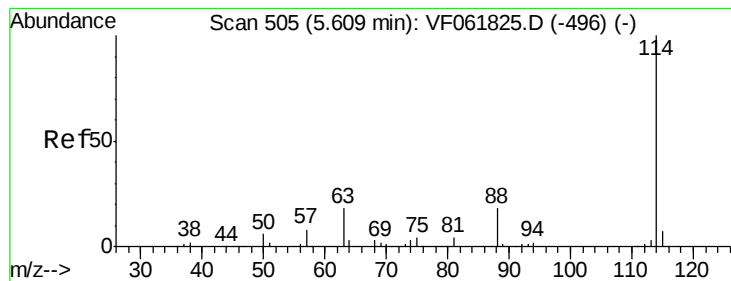
67 57.7 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

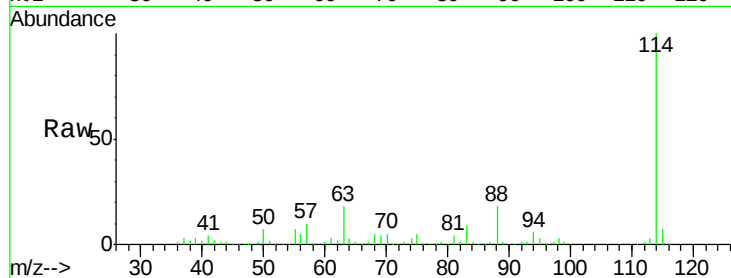
Tot Ion:114 Resp: 412461

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

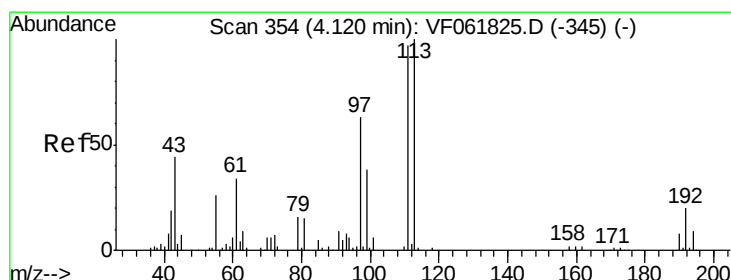
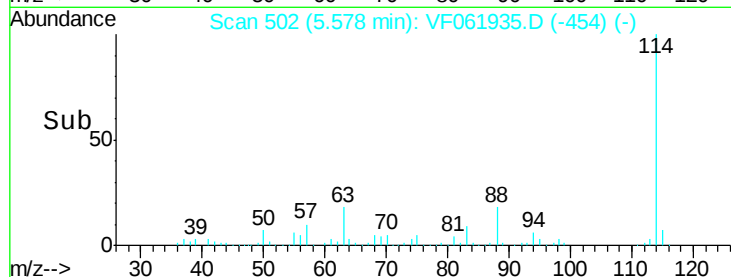
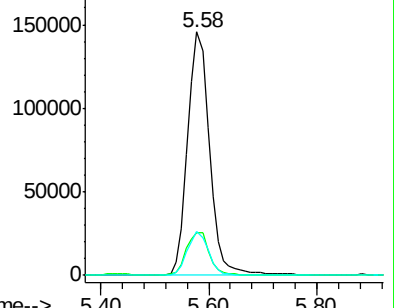
88 18.0 0.0 35.6



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: 54.202 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

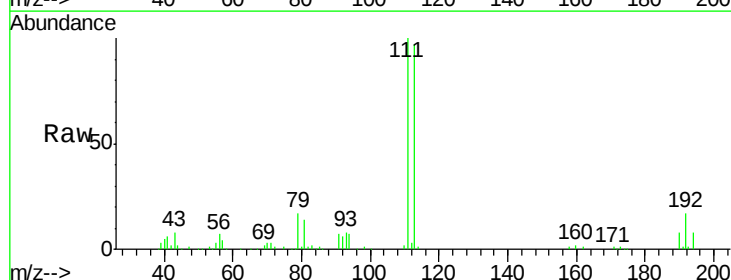
Tgt Ion:113 Resp: 156017

Ion Ratio Lower Upper

113 100

111 103.1 77.6 116.4

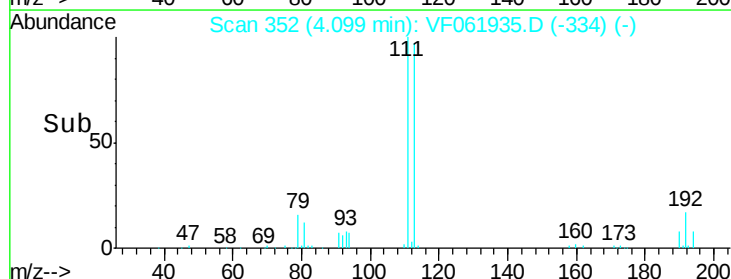
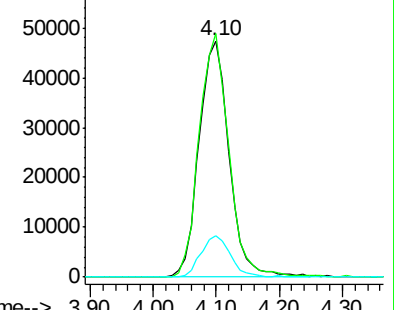
192 17.6 15.9 23.9

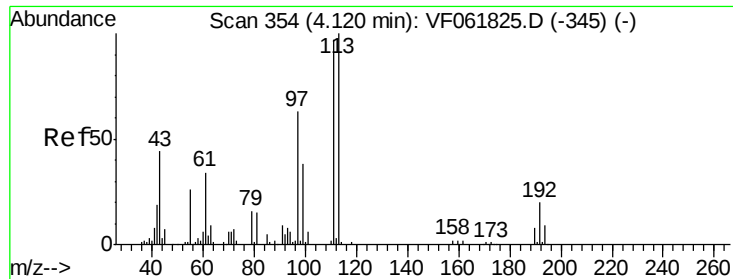


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

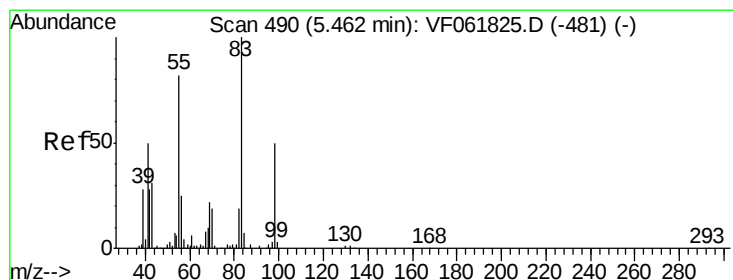
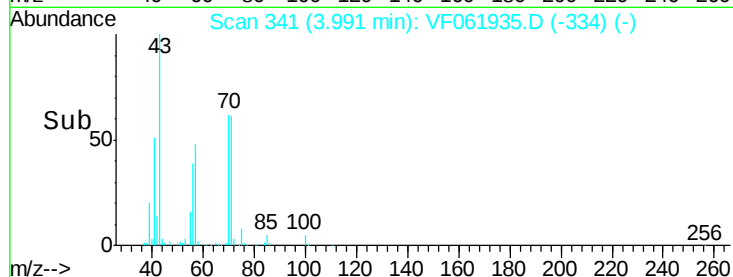
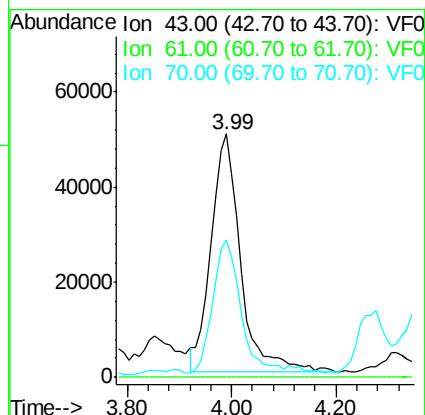
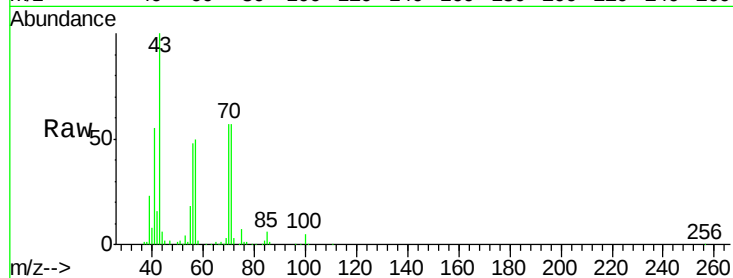




#37
Ethyl Acetate
Concen: 121.335 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.13 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

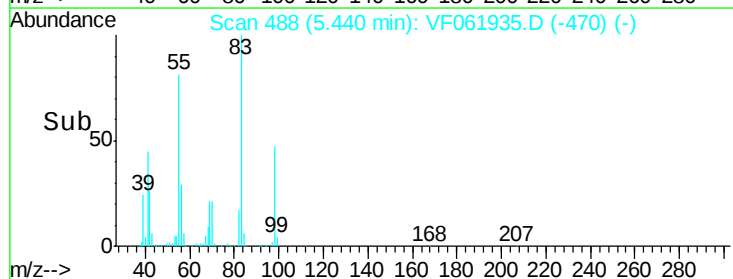
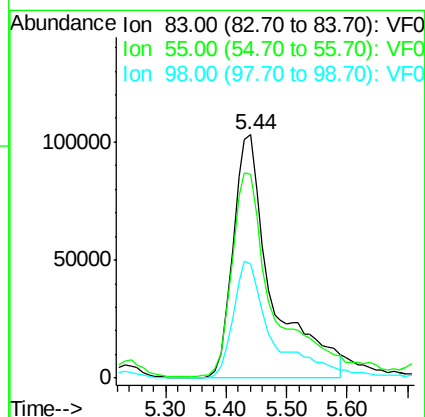
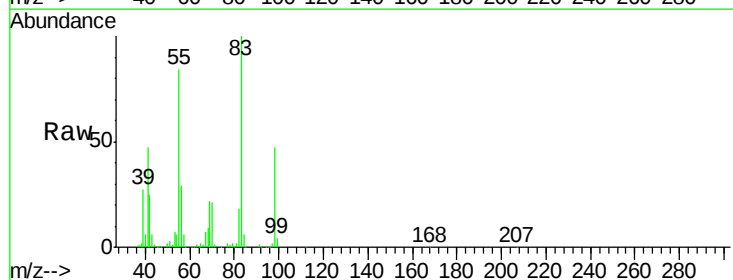
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

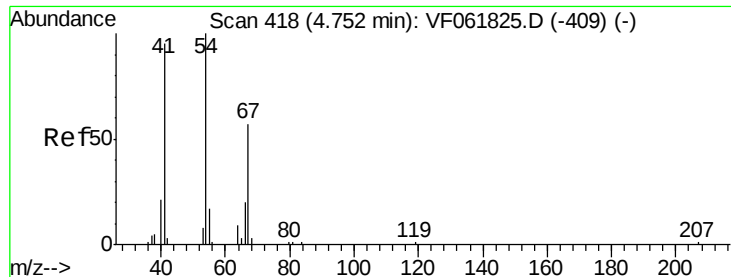
Tot Ion: 43 Resp: 198425
Ion Ratio Lower Upper
43 100
61 0.4 60.7 91.1#
70 56.5 10.6 15.8#



#39
Methylcyclohexane
Concen: 100.460 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion: 83 Resp: 462310
Ion Ratio Lower Upper
83 100
55 83.5 66.0 99.0
98 46.8 39.8 59.6

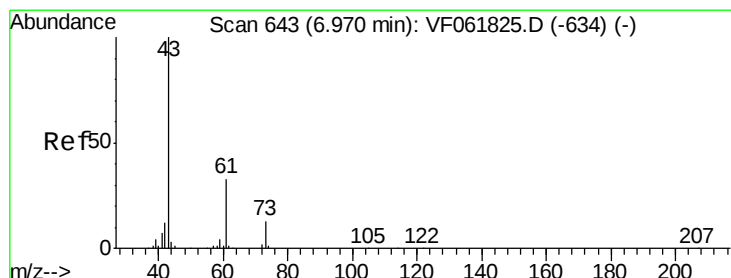
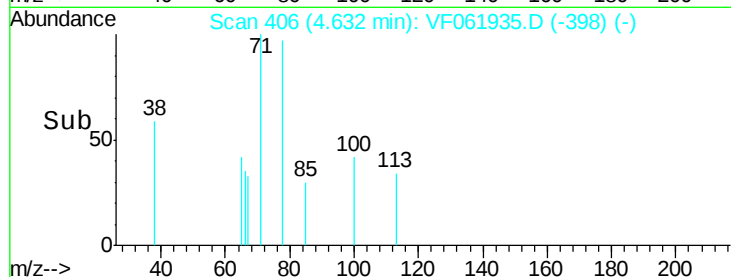
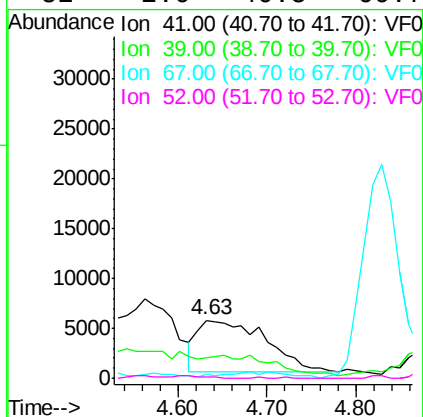
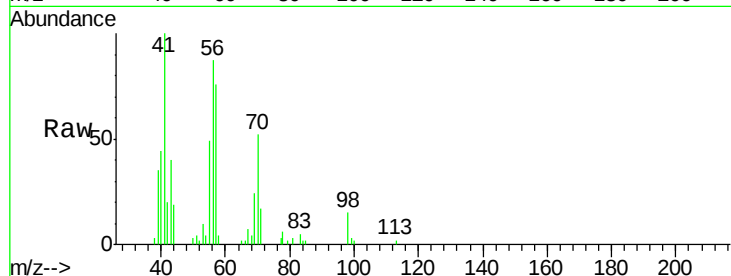




#41
Methacrylonitrile
Concen: 31.023 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.12 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

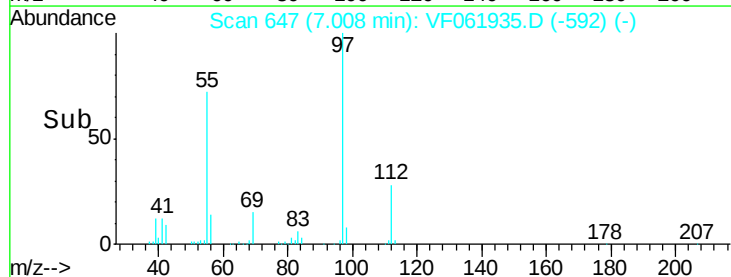
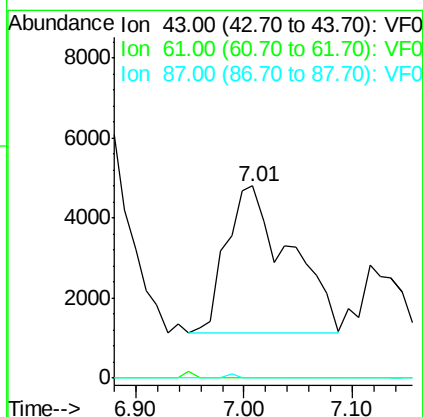
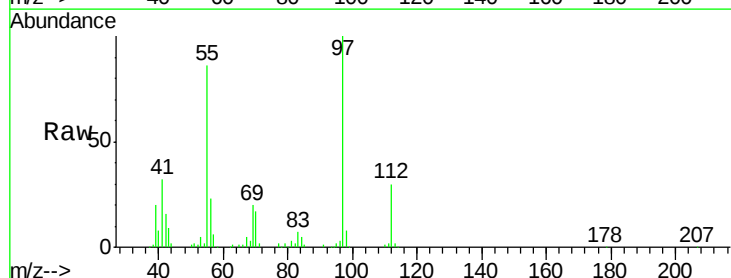
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

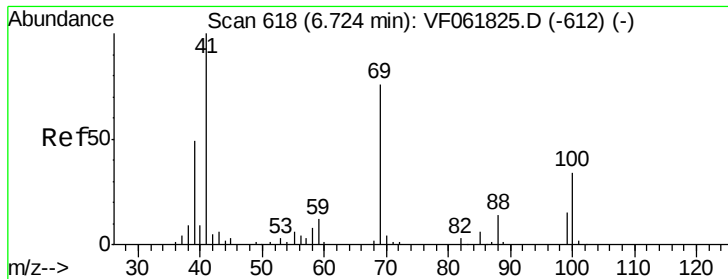
Tot Ion:	41	Resp:	27796
Ion	Ratio	Lower	Upper
41	100		
39	34.6	43.0	64.6#
67	7.4	47.8	71.8#
52	2.0	40.5	60.7#



#43
Isopropyl Acetate
Concen: 7.333 ug/l
RT: 7.01 min Scan# 647
Delta R.T. 0.04 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion:	43	Resp:	14782
Ion	Ratio	Lower	Upper
43	100		
61	0.0	26.1	39.1#
87	0.0	0.0	0.0

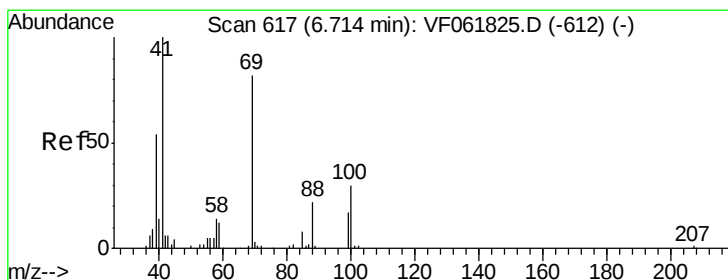
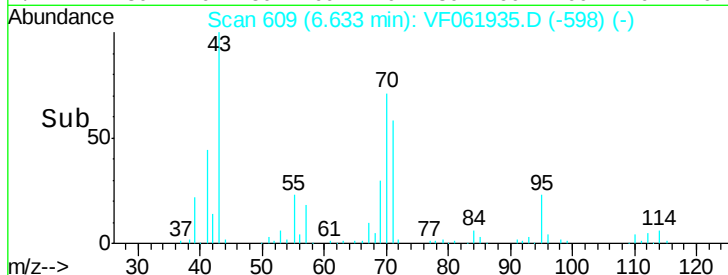
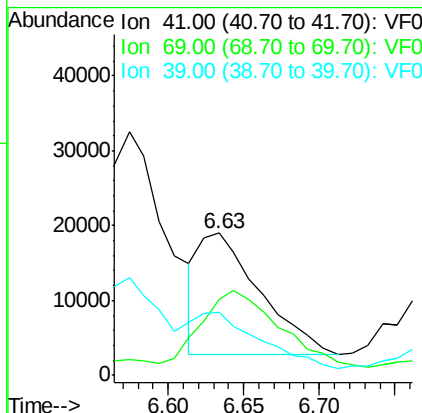
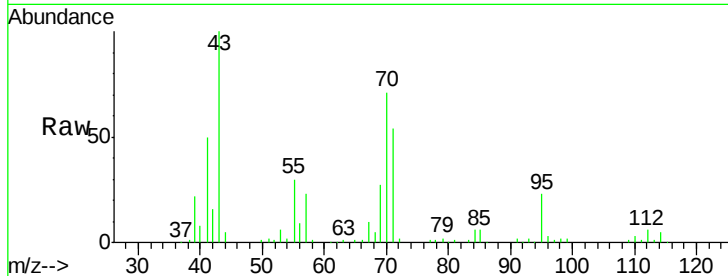




#48
Methyl methacrylate
Concen: 35.328 ug/l
RT: 6.63 min Scan# 609
Delta R.T. -0.09 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

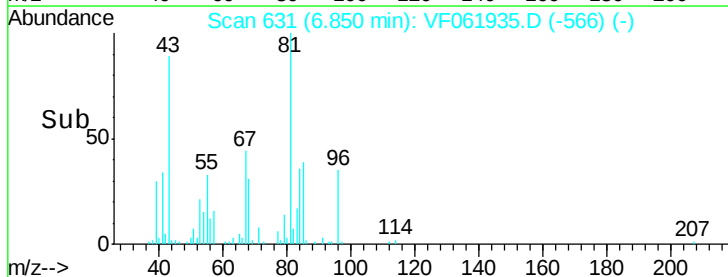
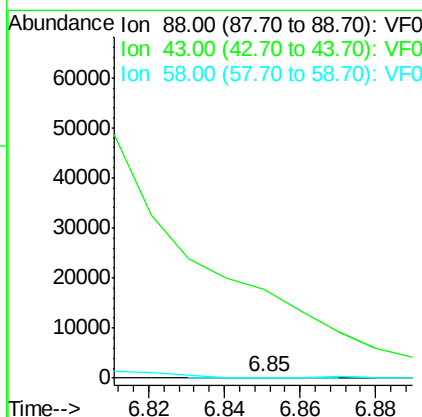
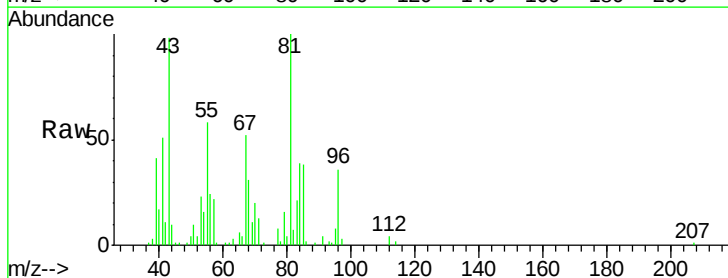
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

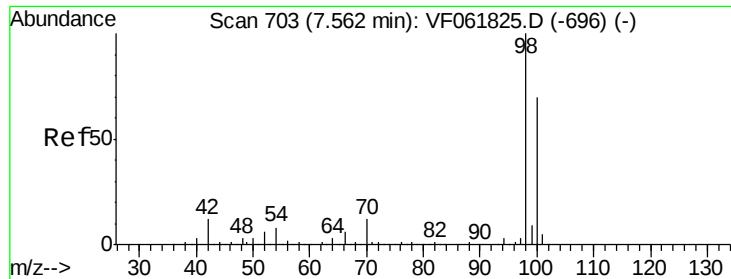
Tot Ion: 41 Resp: 45070
Ion Ratio Lower Upper
41 100
69 53.2 60.4 90.6#
39 44.4 39.7 59.5



#49
1,4-Dioxane
Concen: 6.774 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.14 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 13389.5 28.4 42.6#
58 130.1 50.7 76.1#

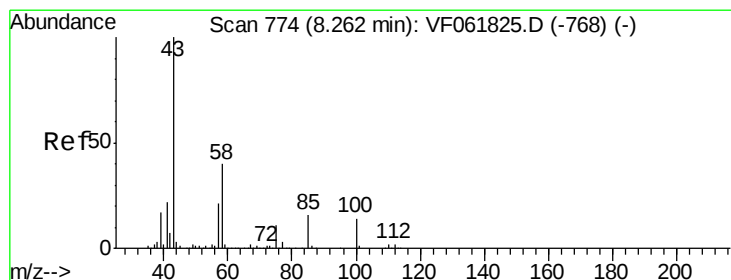
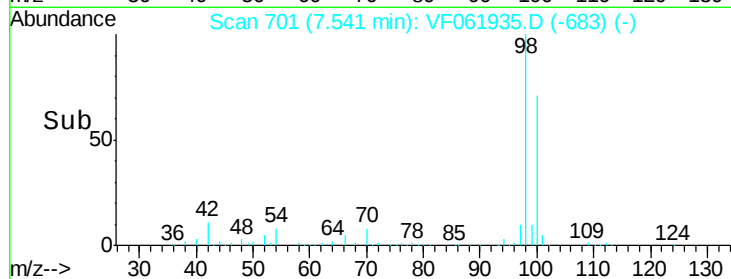
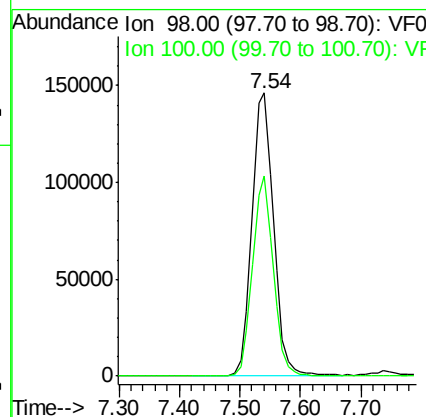
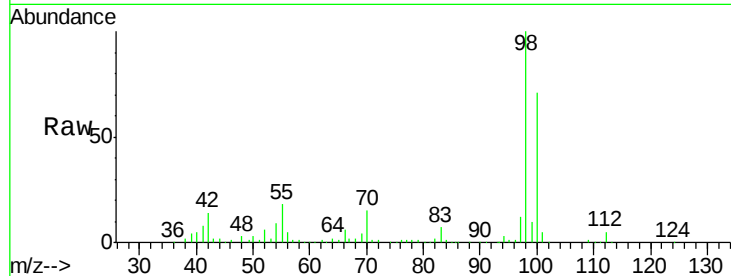




#50
Toluene-d8
Concen: 42.717 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

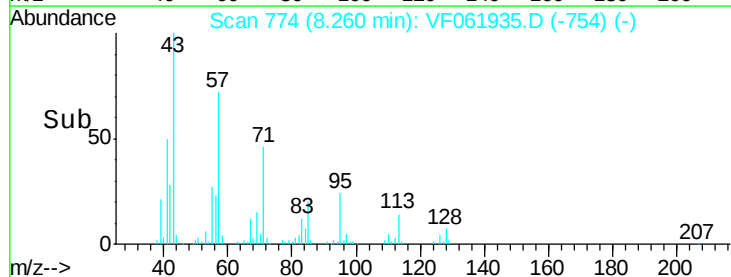
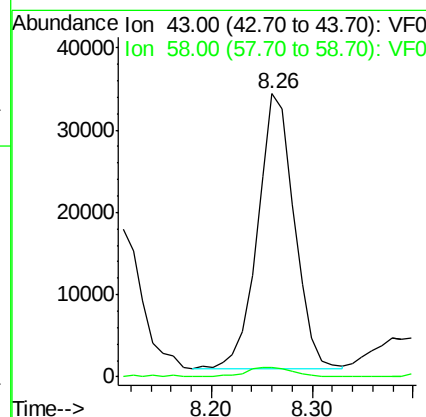
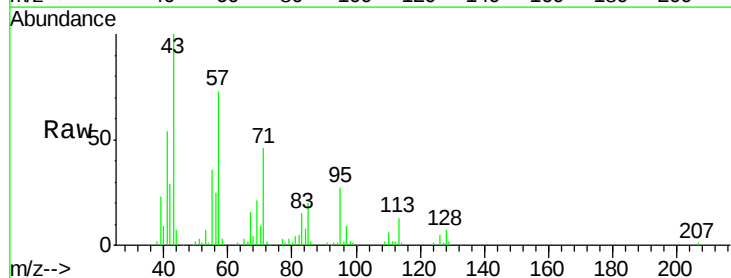
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

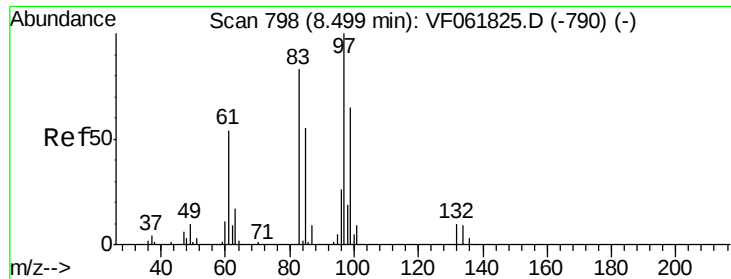
Tot Ion: 98 Resp: 365471
Ion Ratio Lower Upper
98 100
100 70.8 56.0 84.0



#51
4-Methyl-2-Pentanone
Concen: 61.008 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.00 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion: 43 Resp: 84997
Ion Ratio Lower Upper
43 100
58 3.5 31.8 47.8#





#55

1,1,2-Trichloroethane

Concen: 21.336 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.13 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tot Ion: 97 Resp: 37037

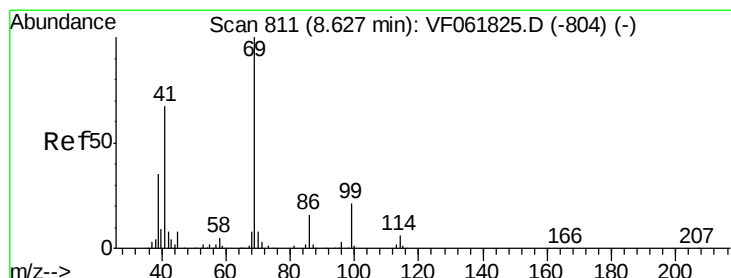
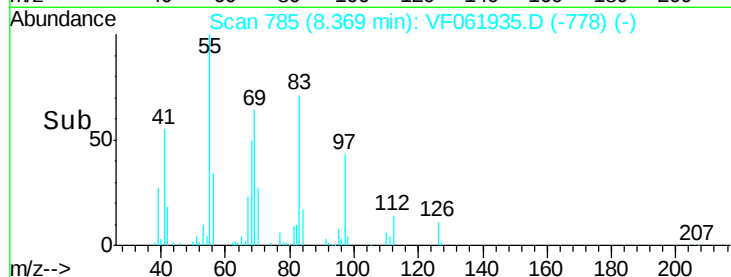
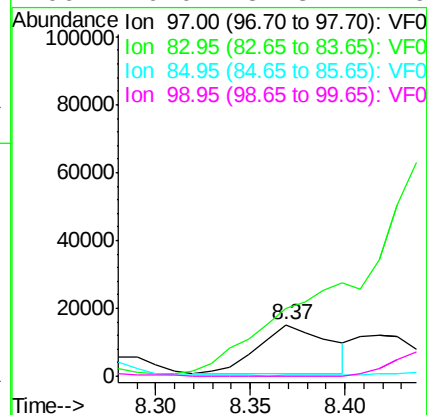
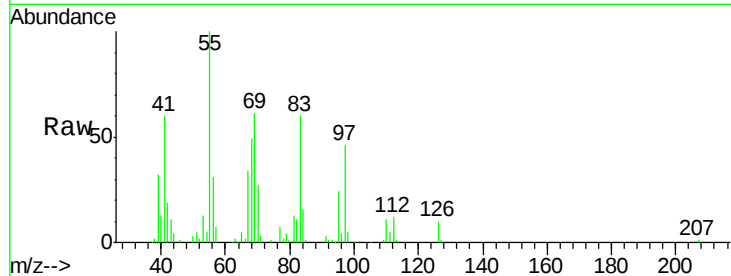
Ion Ratio Lower Upper

97 100

83 131.2 66.5 99.7#

85 2.6 44.2 66.2#

99 0.0 51.8 77.6#



#56

Ethyl methacrylate

Concen: 49.652 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

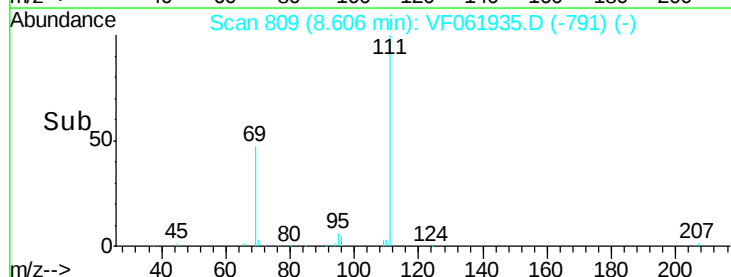
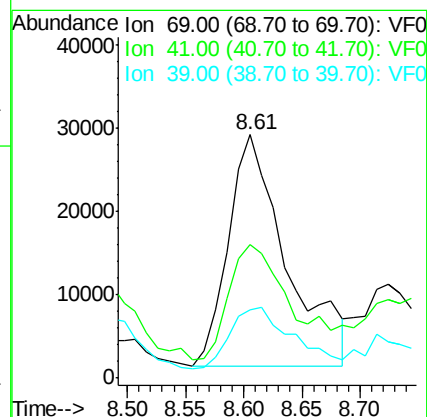
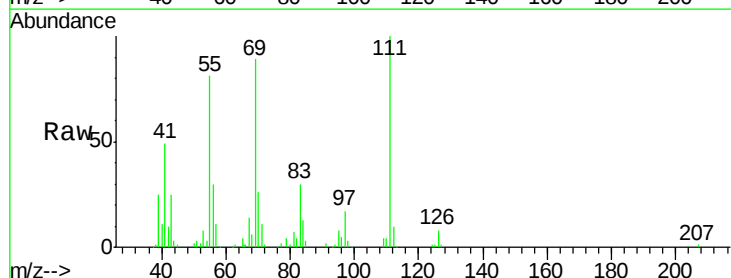
Tgt Ion: 69 Resp: 97134

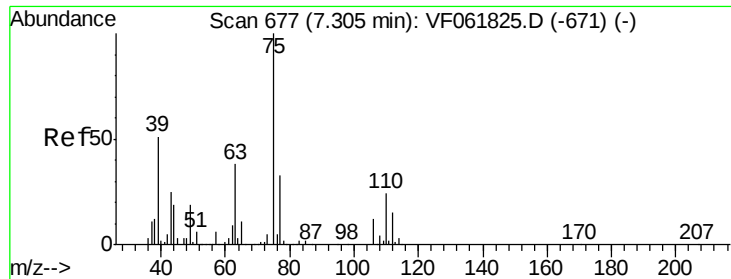
Ion Ratio Lower Upper

69 100

41 54.8 53.9 80.9

39 28.1 28.3 42.5#

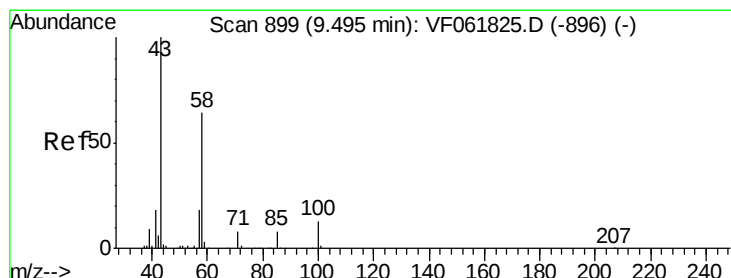
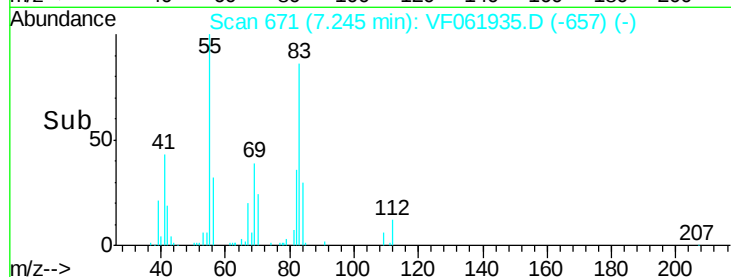
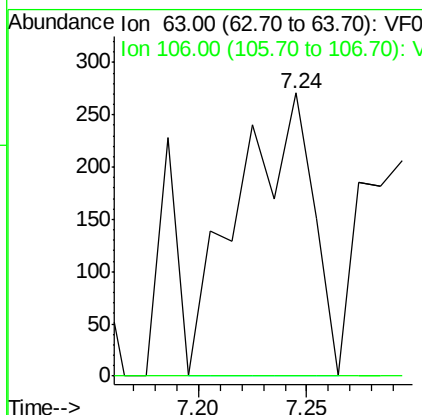
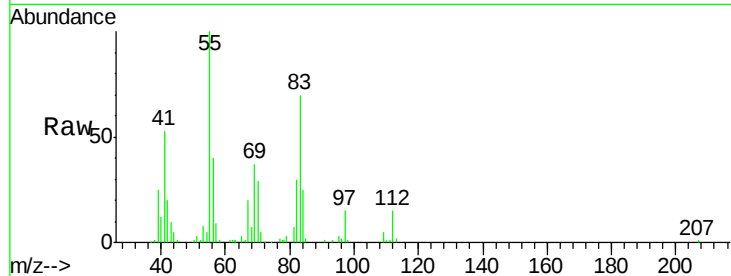




#58
2-Chloroethyl Vinyl ether
Concen: 2.104 ug/l
RT: 7.24 min Scan# 671
Delta R.T. -0.06 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

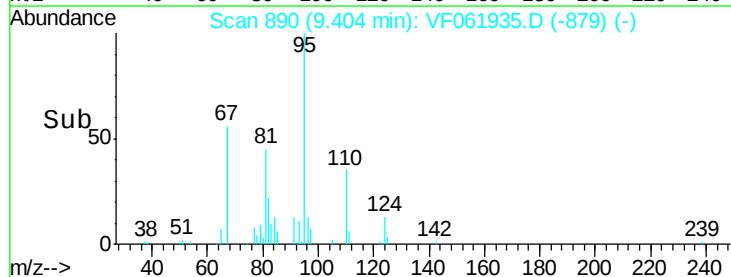
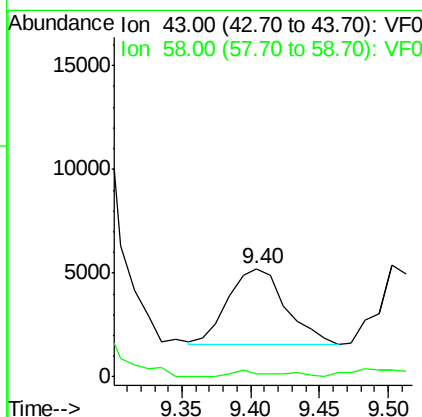
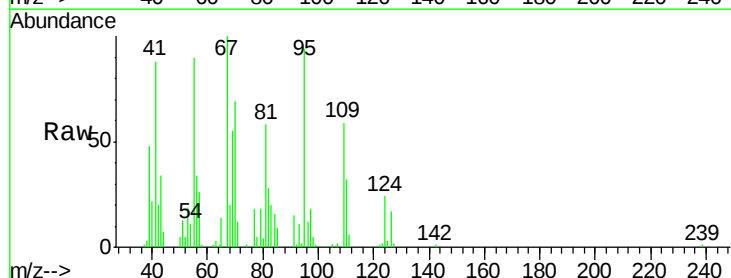
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

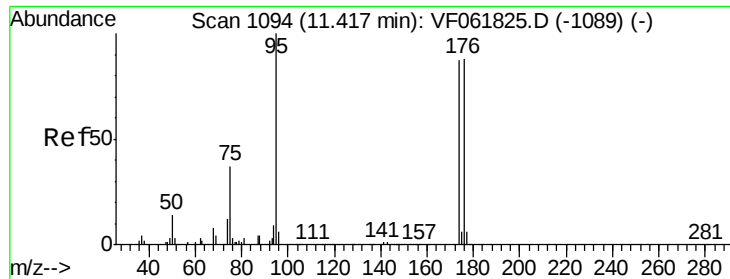
Tot Ion: 63 Resp: 651
Ion Ratio Lower Upper
63 100
106 0.0 24.3 36.5#



#59
2-Hexanone
Concen: 10.396 ug/l
RT: 9.40 min Scan# 890
Delta R.T. -0.09 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion: 43 Resp: 10449
Ion Ratio Lower Upper
43 100
58 3.4 28.8 86.4#





#62

4-Bromofluorobenzene

Concen: 42.152 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampled :

OILY-SOIL

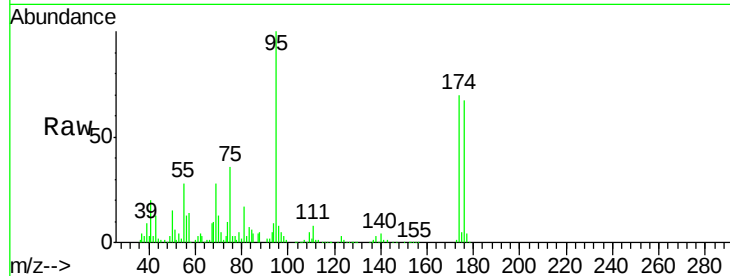
Tot Ion: 95 Resp: 141268

Ion Ratio Lower Upper

95 100

174 70.3 0.0 174.0

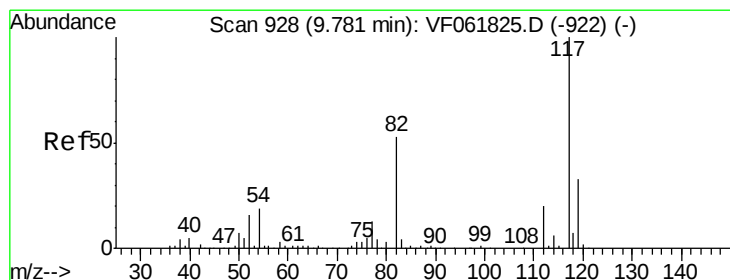
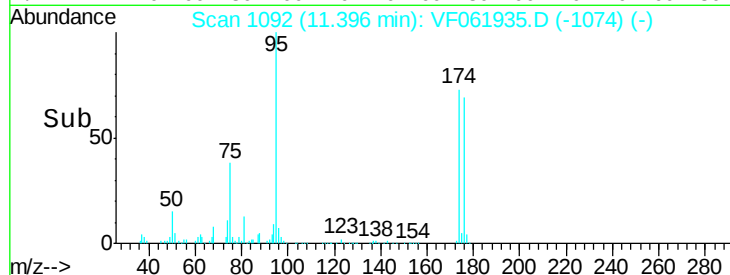
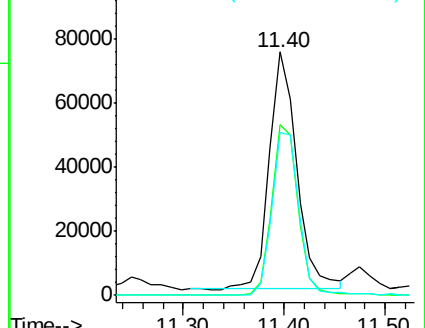
176 66.8 0.0 175.2



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: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

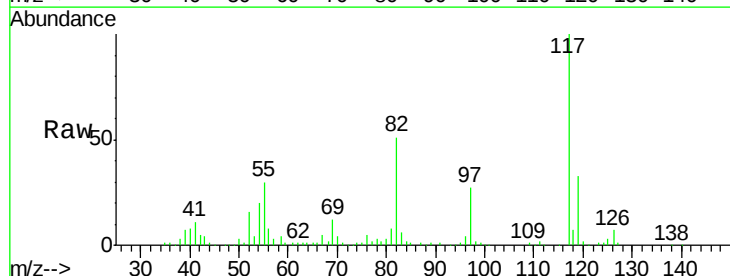
Tgt Ion: 117 Resp: 280095

Ion Ratio Lower Upper

117 100

82 51.4 42.6 63.8

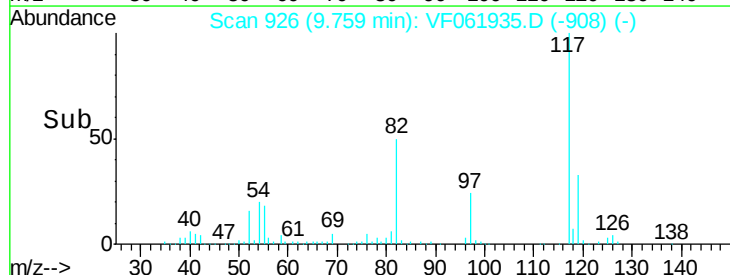
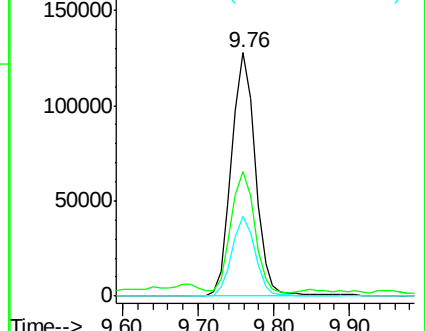
119 32.8 26.0 39.0

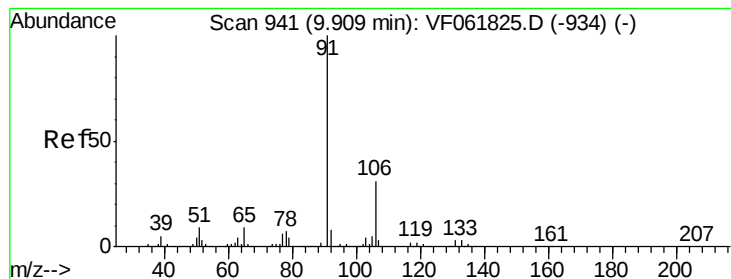


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 5.394 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

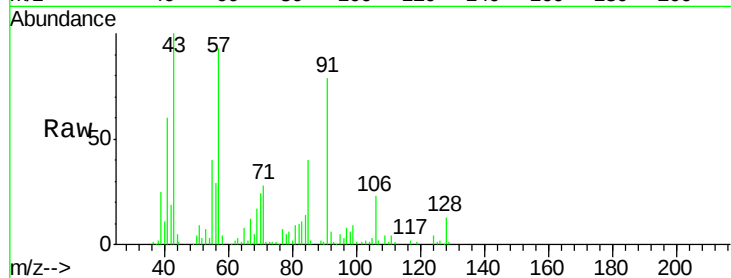
OILY-SOIL

Tot Ion: 91 Resp: 48109

Ion Ratio Lower Upper

91 100

106 29.7 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

9.89

25000

20000

15000

10000

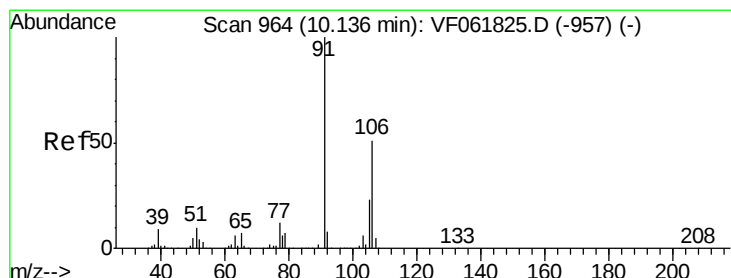
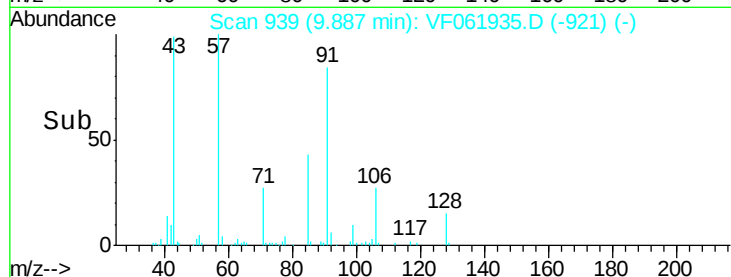
5000

0

Time-->

9.80

9.90



#68

m/p-Xylenes

Concen: 35.805 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061935.D

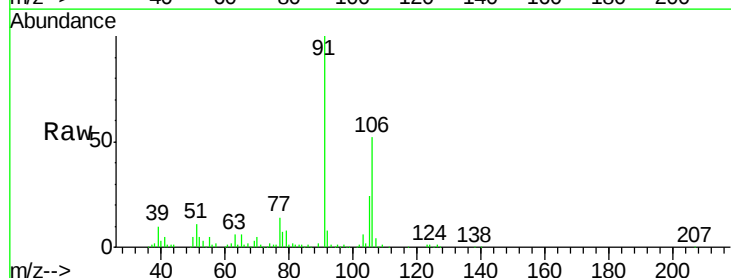
Acq: 13 Mar 2019 18:51

Tgt Ion:106 Resp: 122338

Ion Ratio Lower Upper

106 100

91 193.8 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.11

100000

50000

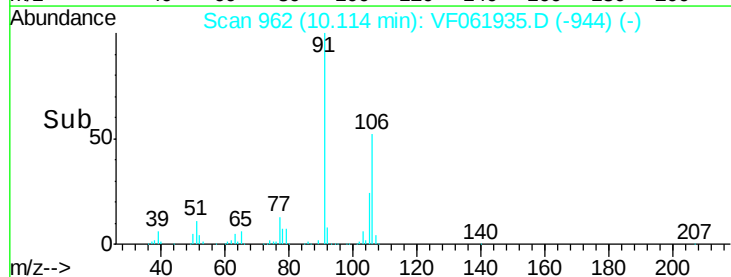
0

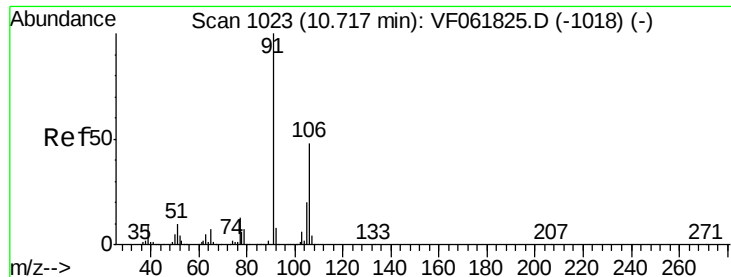
Time-->

10.00

10.10

10.20

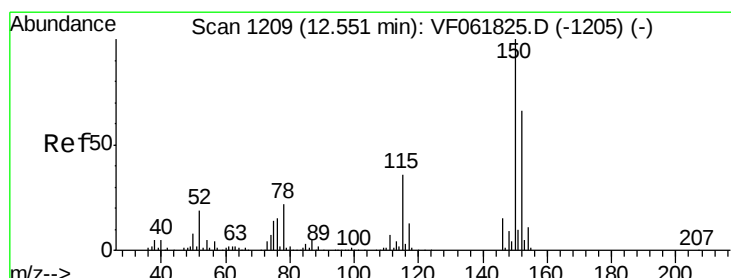
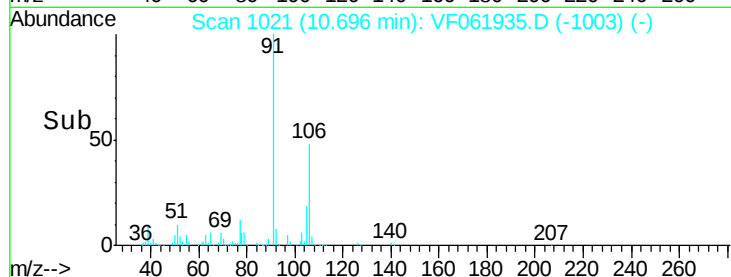
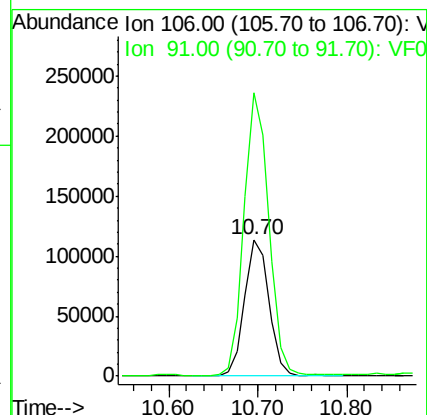
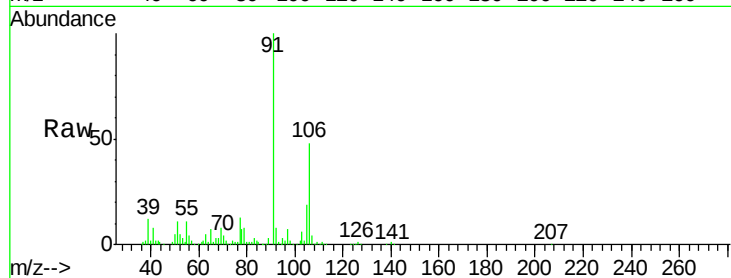




#69
o-Xylene
Concen: 59.461 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

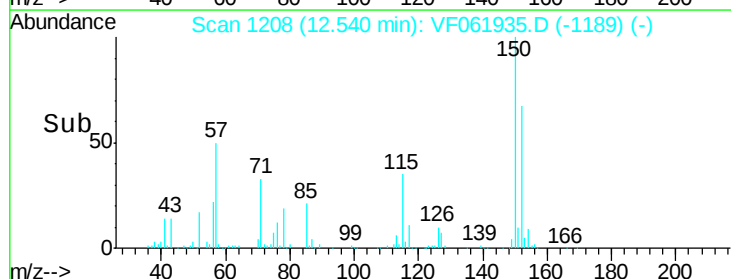
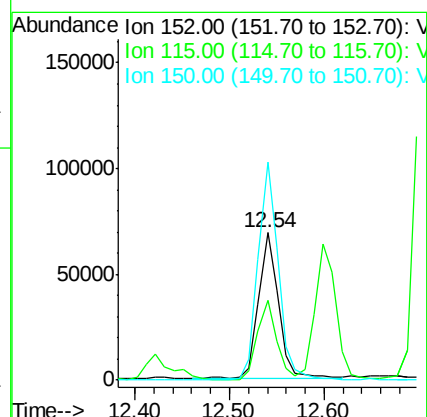
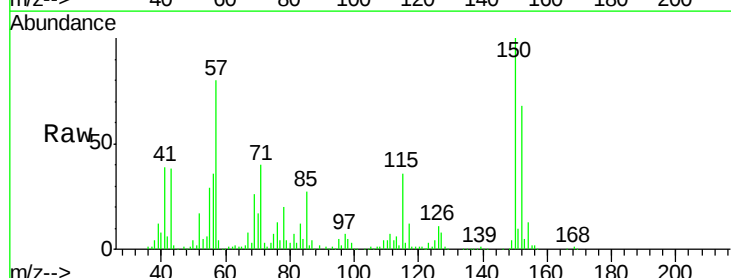
Instrument :
MSVOA_F
ClientSampled :
OILY-SOIL

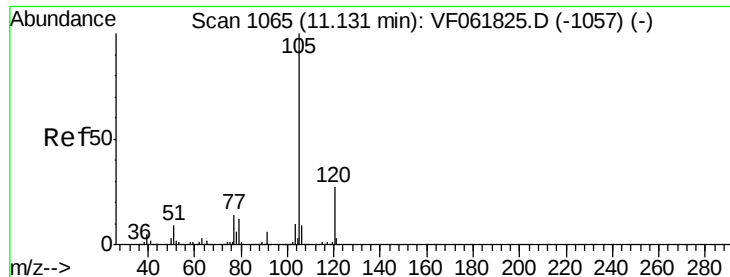
Tot Ion:106 Resp: 218772
Ion Ratio Lower Upper
106 100
91 207.8 103.5 310.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion:152 Resp: 101955
Ion Ratio Lower Upper
152 100
115 53.8 27.7 83.1
150 147.9 0.0 304.2





#73

Isopropylbenzene

Concen: 9.642 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampled :

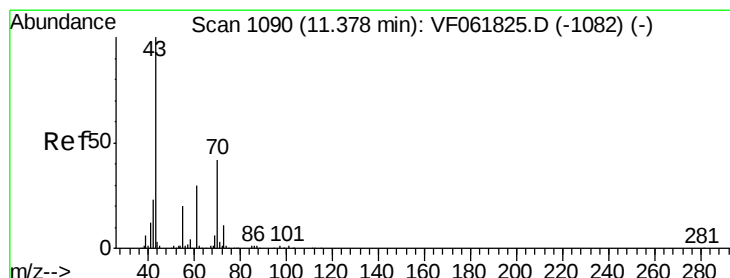
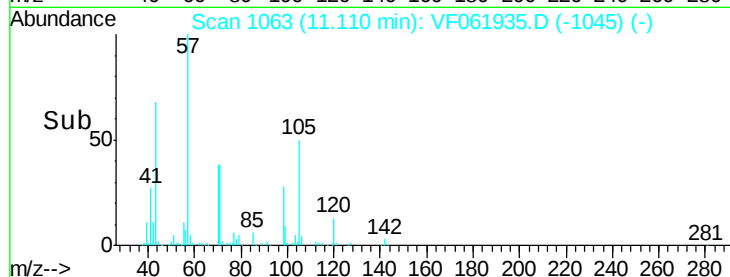
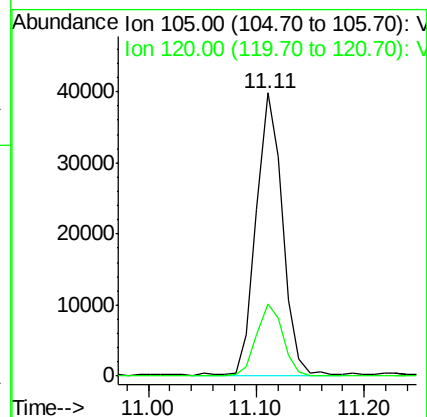
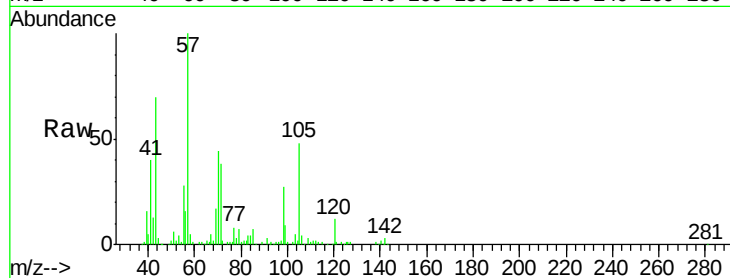
OILY-SOIL

Tot Ion:105 Resp: 67679

Ion Ratio Lower Upper

105 100

120 25.3 13.7 41.0



#74

N-ethyl acetate

Concen: 21.596 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Tgt Ion: 43 Resp: 34896

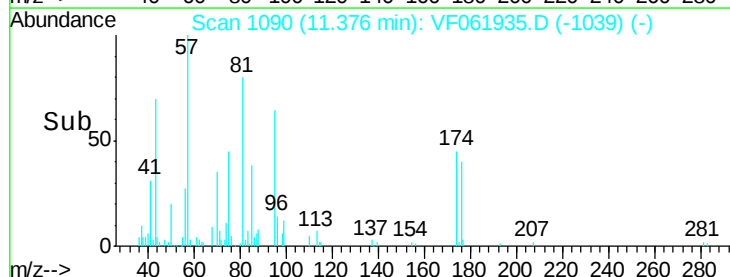
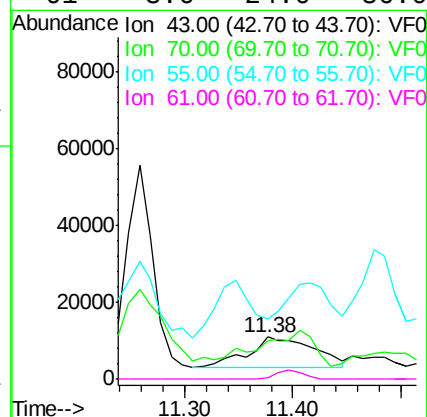
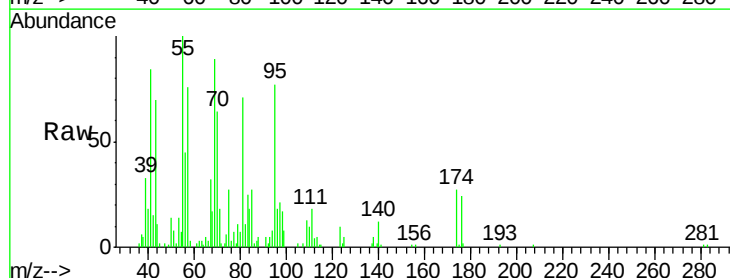
Ion Ratio Lower Upper

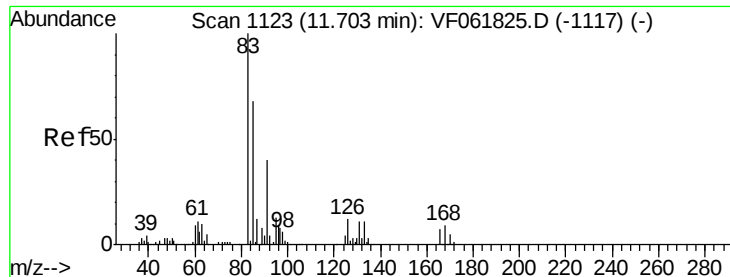
43 100

70 92.3 33.4 50.0#

55 143.4 16.3 24.5#

61 3.6 24.0 36.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 15.551 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. 0.05 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

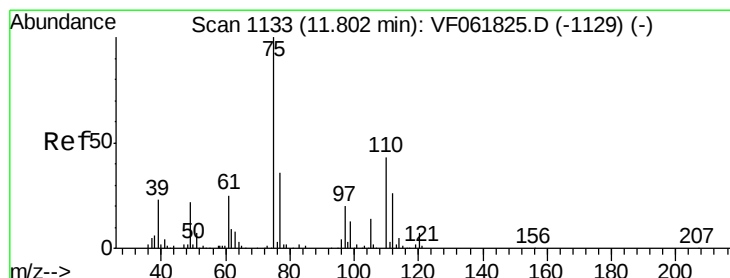
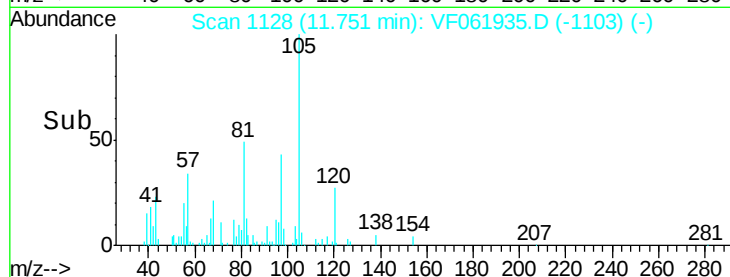
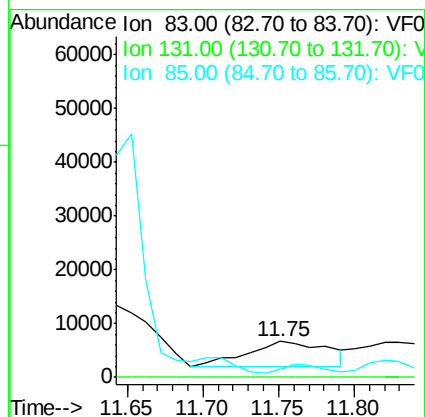
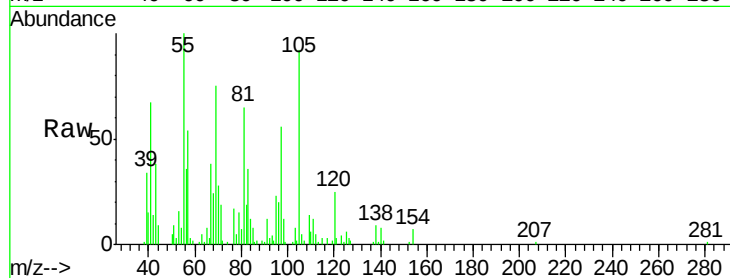
Tot Ion: 83 Resp: 18142

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 23.3 34.2 102.6#



#76

1,2,3-Trichloropropane

Concen: 25.401 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF061935.D

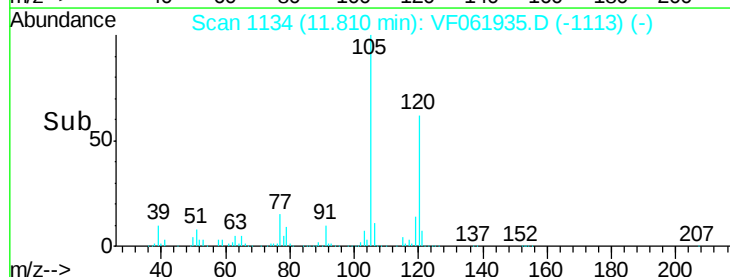
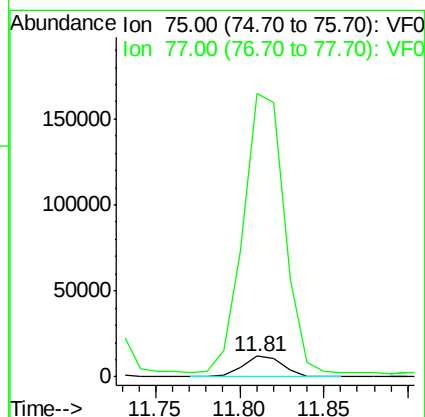
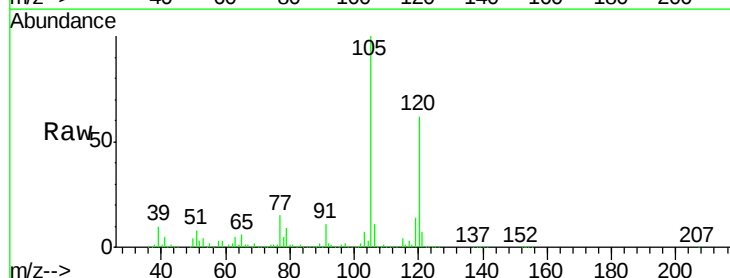
Acq: 13 Mar 2019 18:51

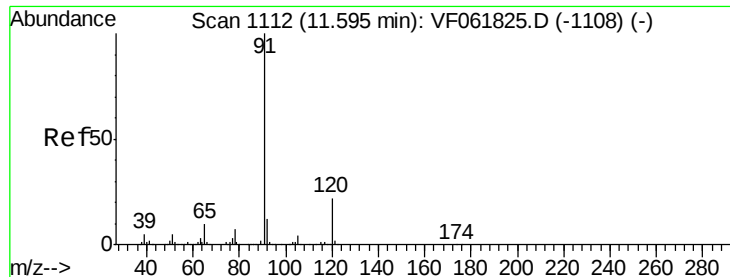
Tgt Ion: 75 Resp: 20224

Ion Ratio Lower Upper

75 100

77 1383.3 18.1 54.4#





#78

n-propylbenzene

Concen: 15.636 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

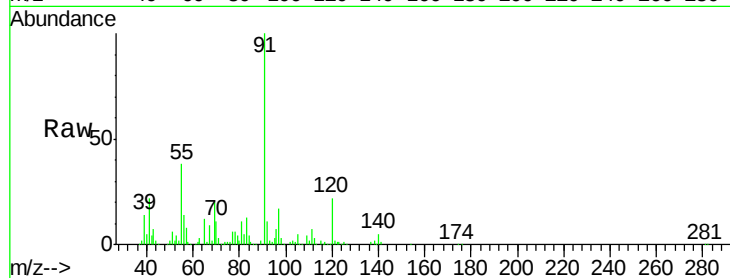
OILY-SOIL

Tot Ion: 91 Resp: 123941

Ion Ratio Lower Upper

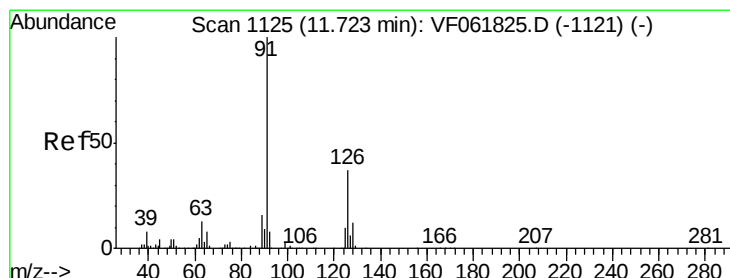
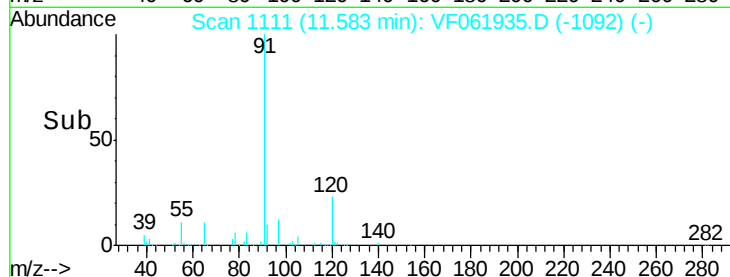
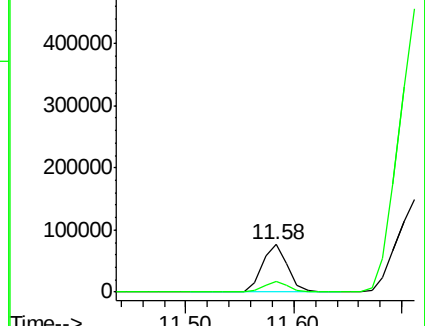
91 100

120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 60.780 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061935.D

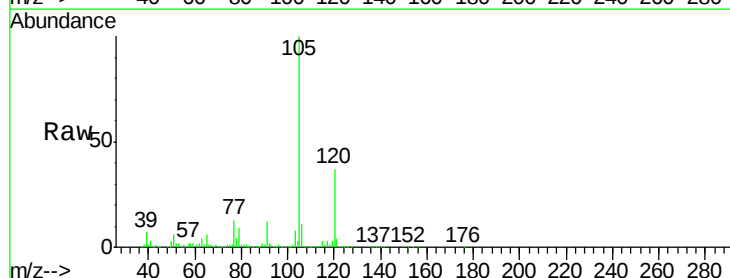
Acq: 13 Mar 2019 18:51

Tgt Ion: 91 Resp: 275437

Ion Ratio Lower Upper

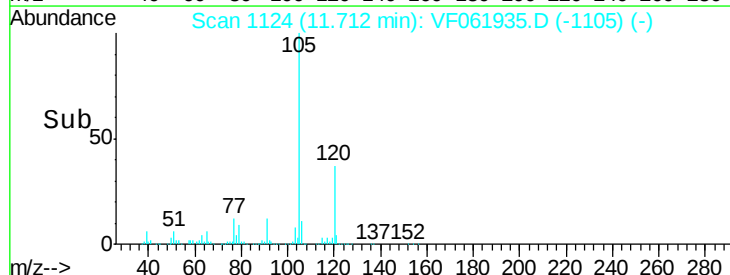
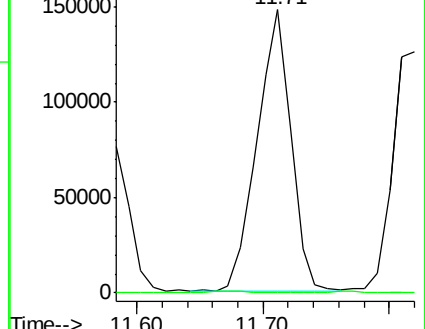
91 100

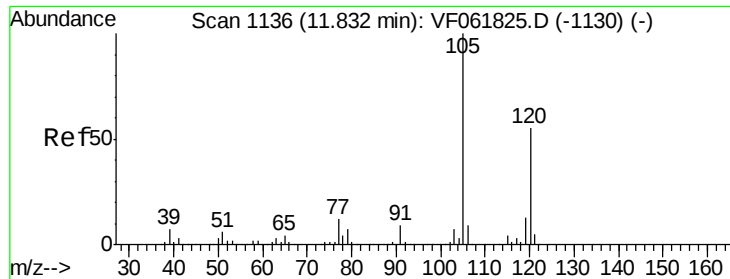
126 0.2 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

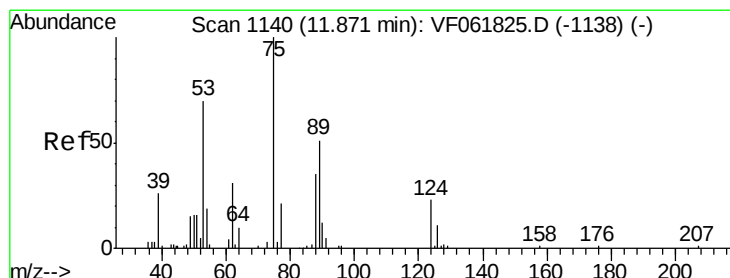
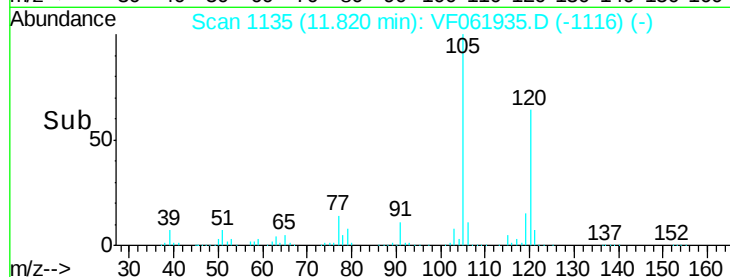
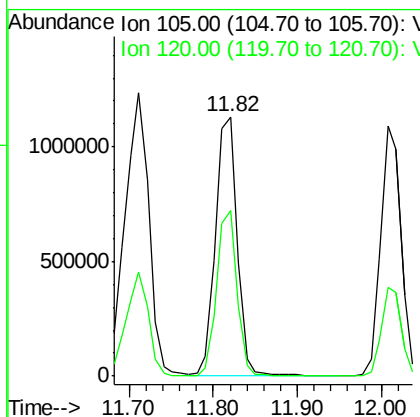
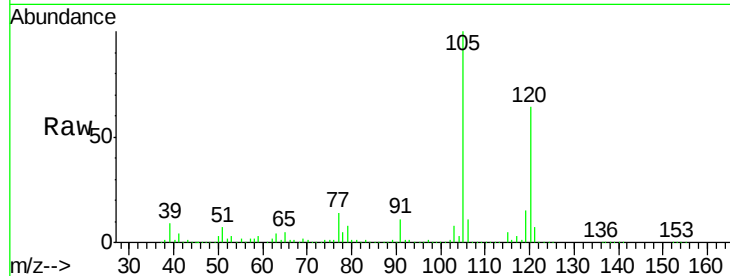




#80
 1,3,5-Trimethylbenzene
 Concen: 359.868 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

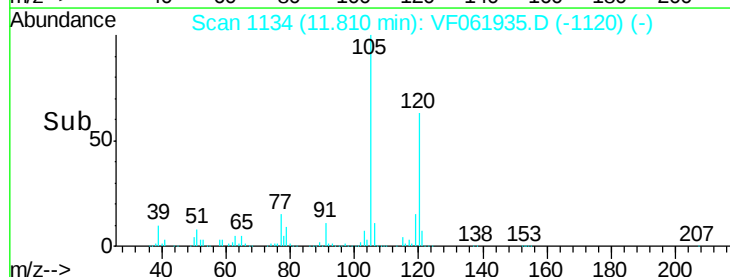
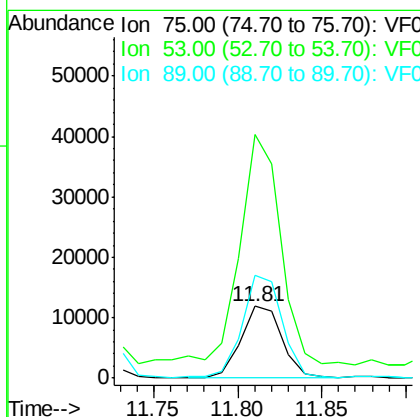
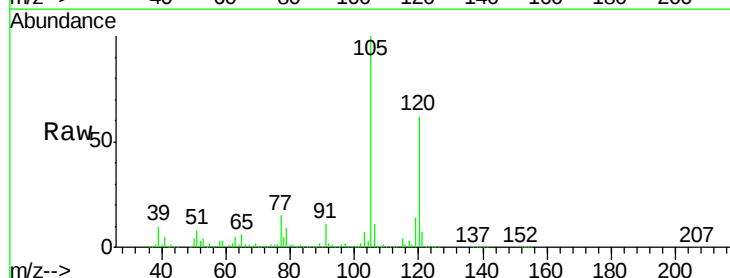
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

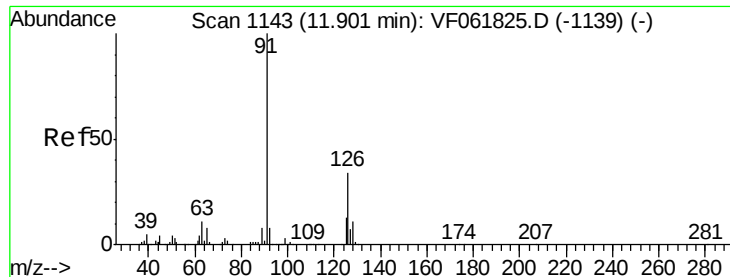
Tot Ion:105 Resp: 2028013
 Ion Ratio Lower Upper
 105 100
 120 64.0 27.4 82.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.549 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.06 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

Tgt Ion: 75 Resp: 20224
 Ion Ratio Lower Upper
 75 100
 53 338.7 58.6 88.0#
 89 143.2 41.4 62.0#





#82

4-Chlorotoluene

Concen: 46.287 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.08 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

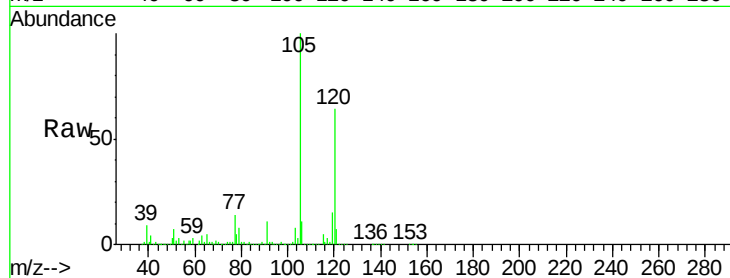
OILY-SOIL

Tot Ion: 91 Resp: 214551

Ion Ratio Lower Upper

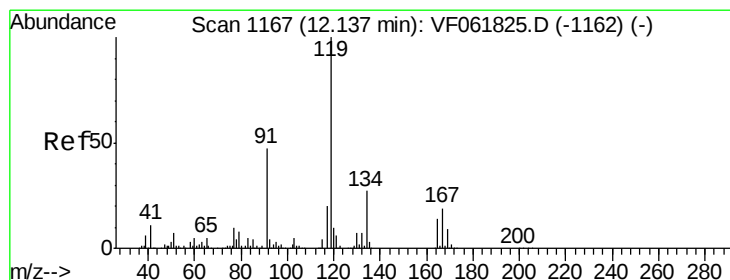
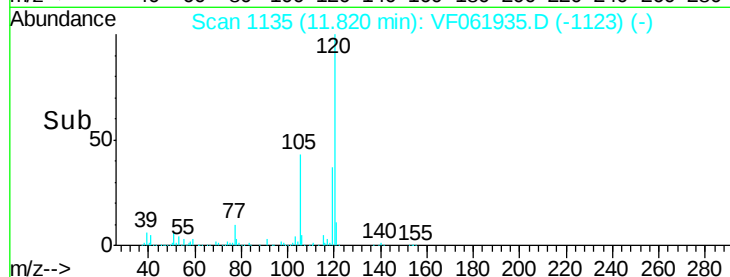
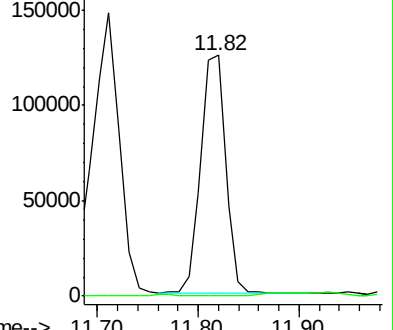
91 100

126 0.0 17.0 50.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#83

tert-Butylbenzene

Concen: 1.344 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

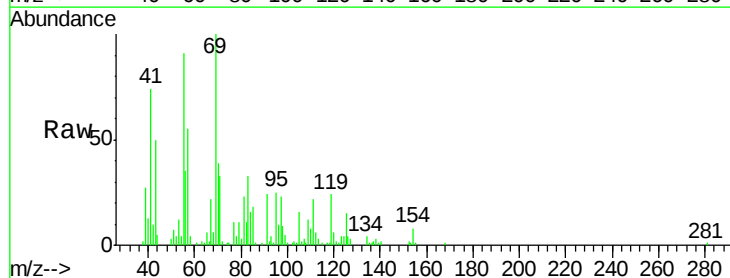
Tgt Ion: 119 Resp: 8045

Ion Ratio Lower Upper

119 100

91 98.0 23.5 70.5#

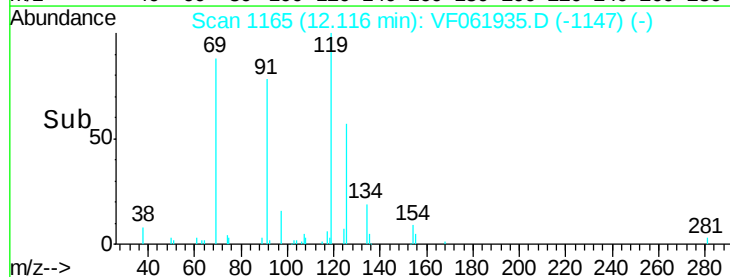
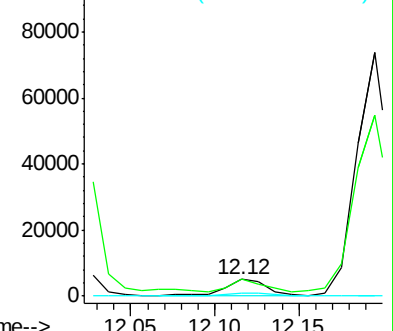
134 16.7 13.3 39.8

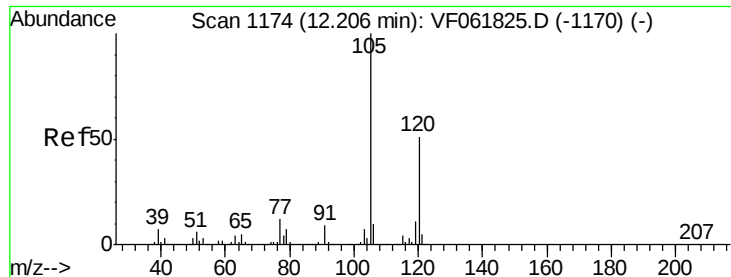


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

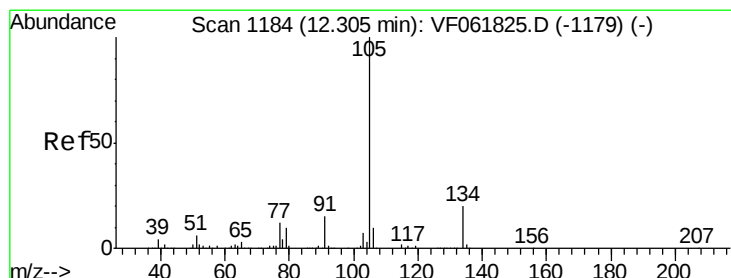
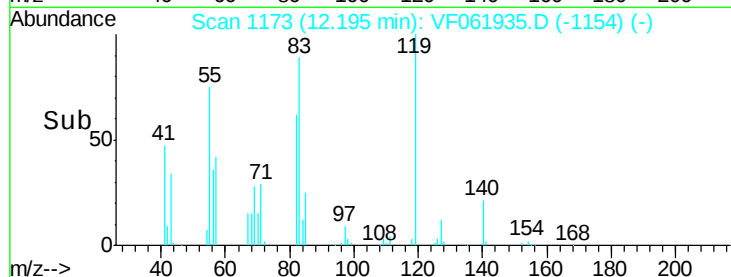
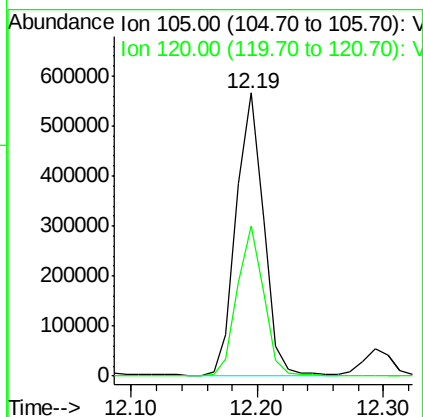
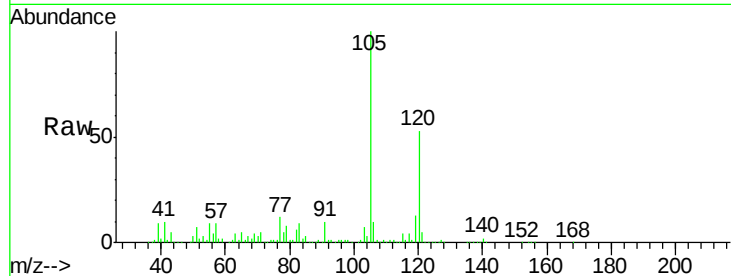




#84
 1,2,4-Trimethylbenzene
 Concen: 152.390 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

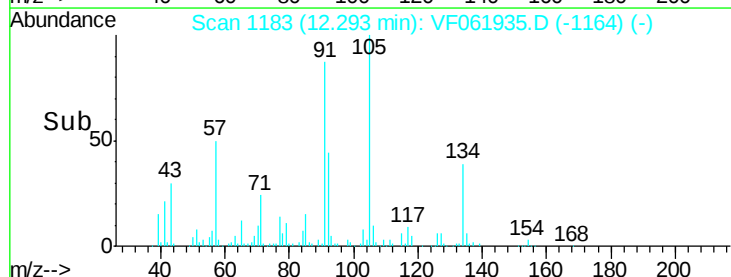
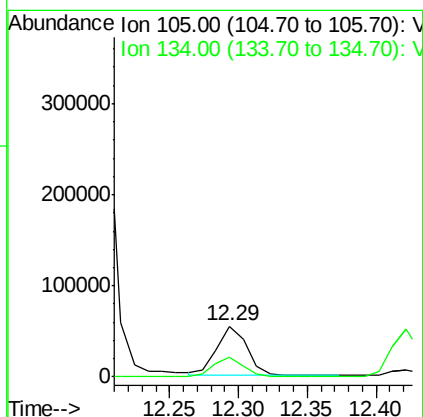
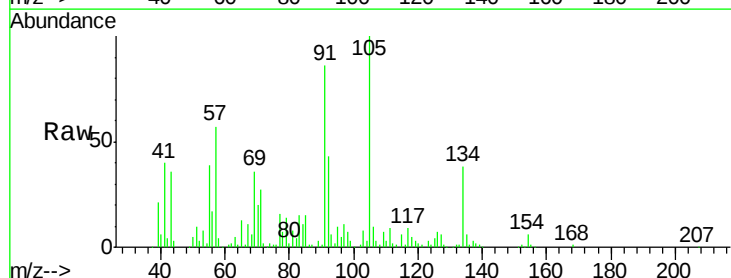
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

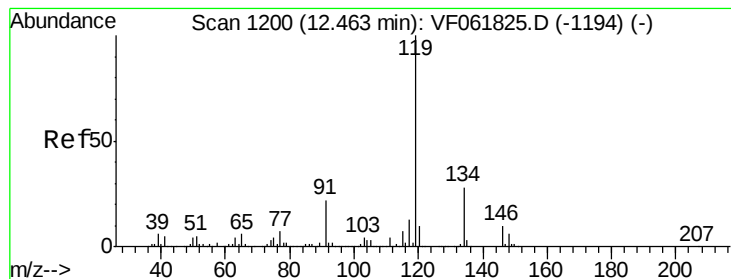
Tot Ion:105 Resp: 841871
 Ion Ratio Lower Upper
 105 100
 120 53.0 25.8 77.4



#85
 sec-Butylbenzene
 Concen: 10.661 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

Tgt Ion:105 Resp: 83018
 Ion Ratio Lower Upper
 105 100
 134 37.8 9.8 29.5#





#86

p-Isopropyltoluene

Concen: 57.188 ug/l

RT: 12.42 min Scan# 1196

Delta R.T. -0.04 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

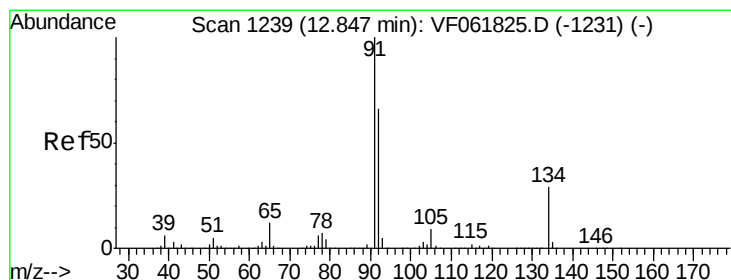
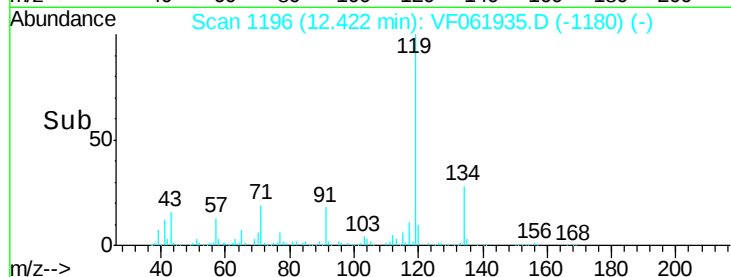
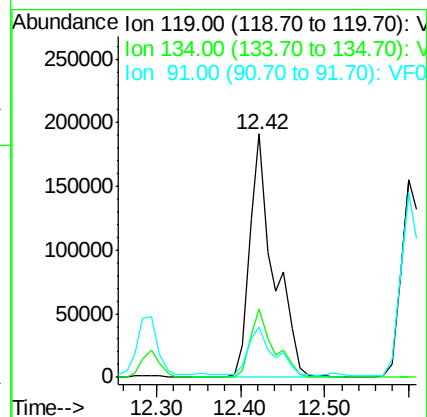
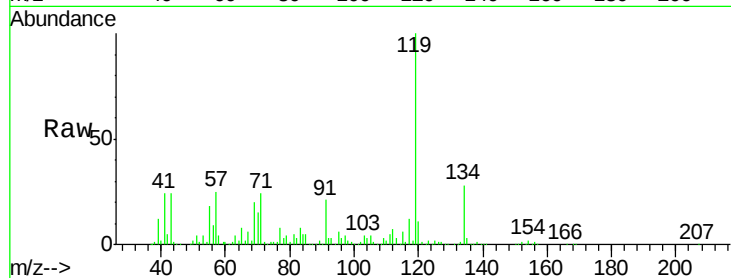
Tot Ion:119 Resp: 378538

Ion Ratio Lower Upper

119 100

134 27.8 14.0 42.0

91 20.7 11.1 33.3



#89

n-Butylbenzene

Concen: 80.994 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

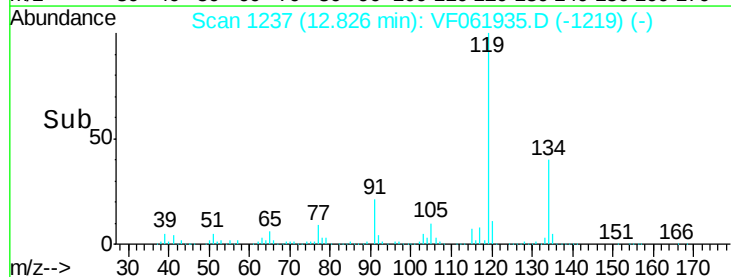
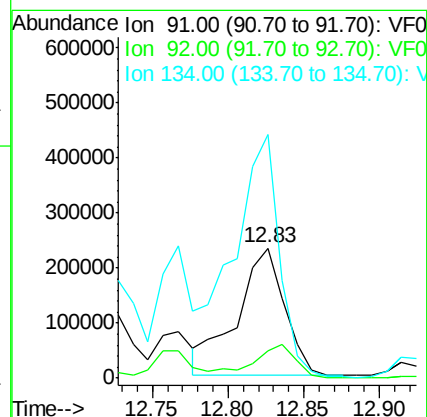
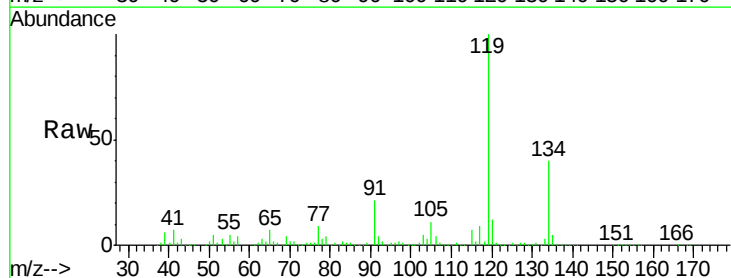
Tgt Ion: 91 Resp: 512353

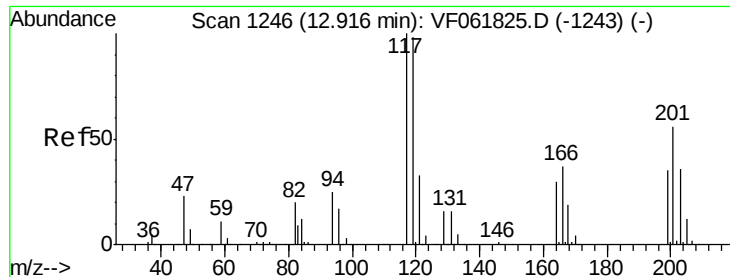
Ion Ratio Lower Upper

91 100

92 20.6 32.9 98.6#

134 187.5 14.5 43.6#





#90

Hexachloroethane

Concen: 13.884 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampled :

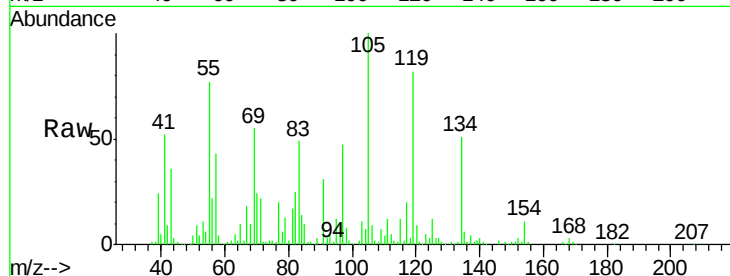
OILY-SOIL

Tot Ion:117 Resp: 22120

Ion Ratio Lower Upper

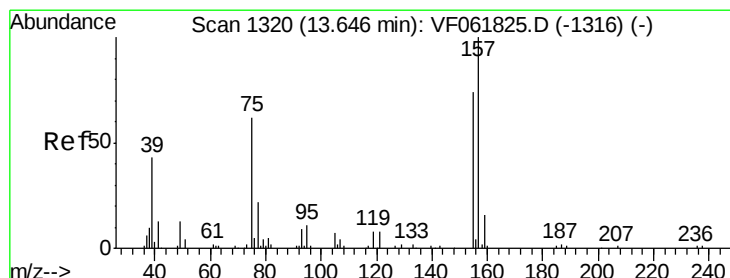
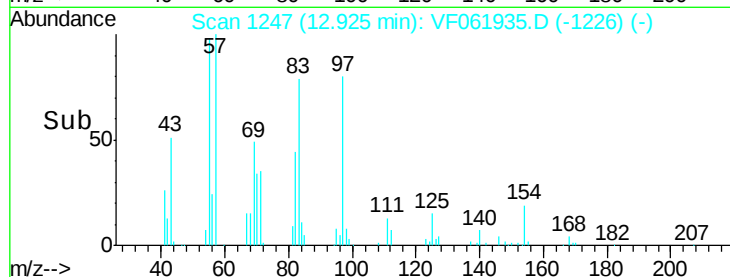
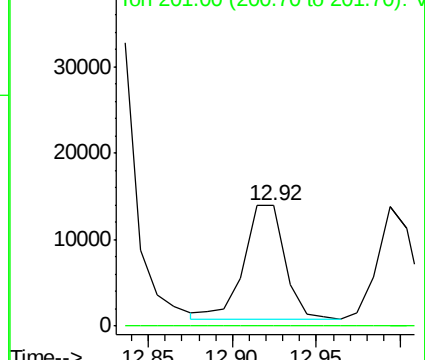
117 100

201 0.0 27.8 83.4#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.689 ug/l

RT: 13.60 min Scan# 1316

Delta R.T. -0.04 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

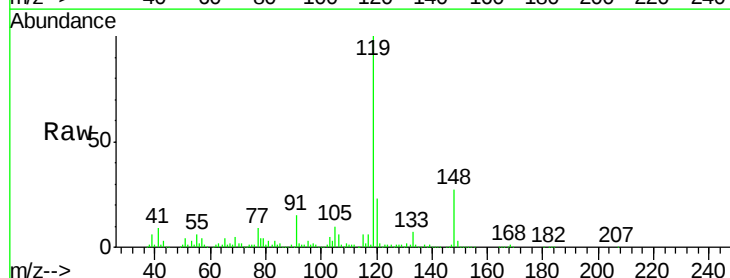
Tgt Ion: 75 Resp: 3269

Ion Ratio Lower Upper

75 100

155 18.5 59.8 179.4#

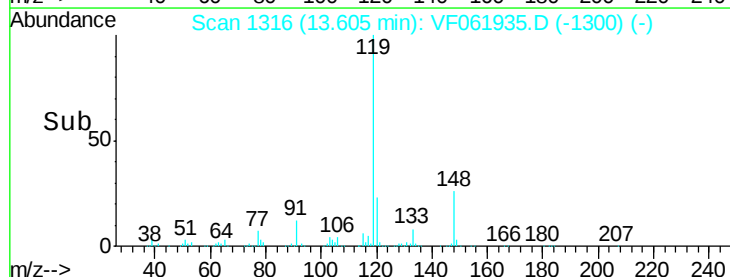
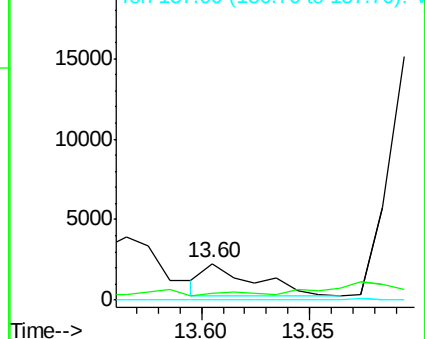
157 0.0 81.2 243.4#

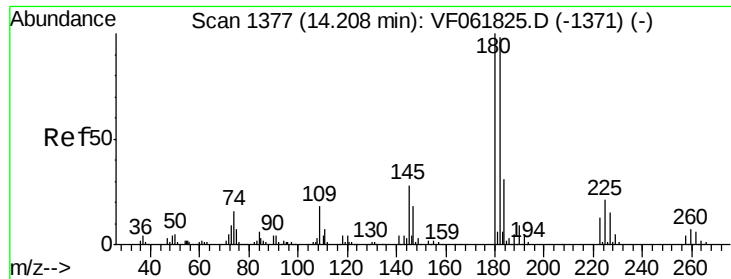


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

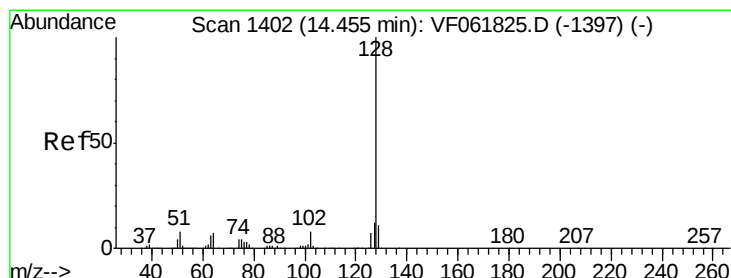
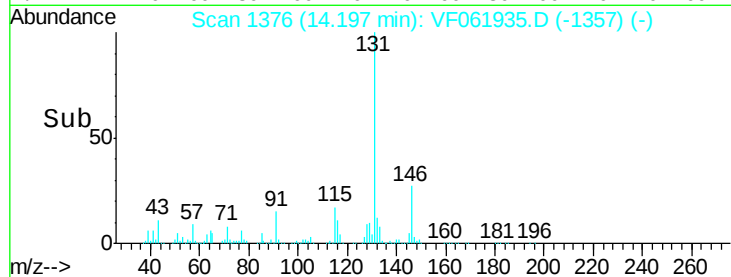
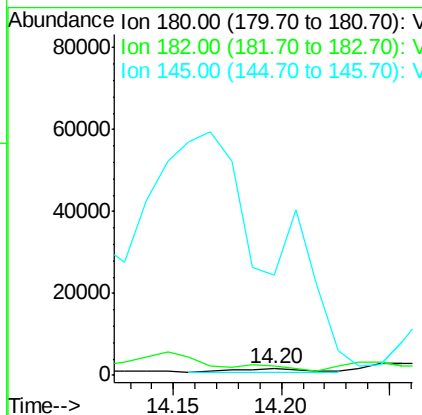
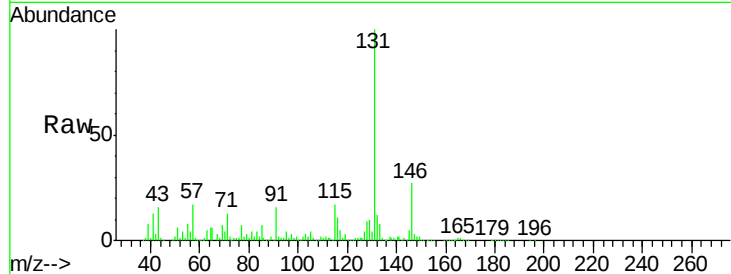




#93
 1,2,4-Trichlorobenzene
 Concen: 1.034 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

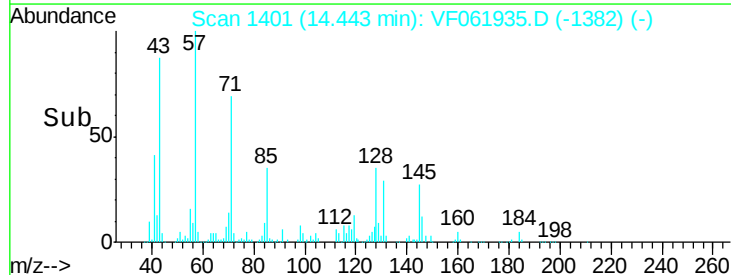
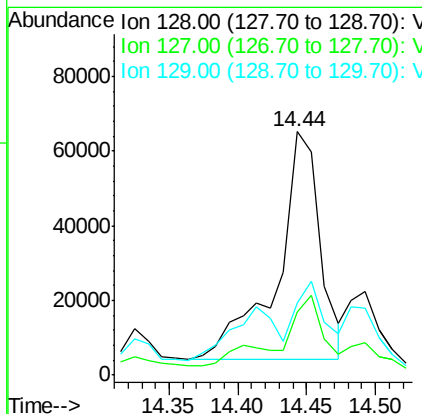
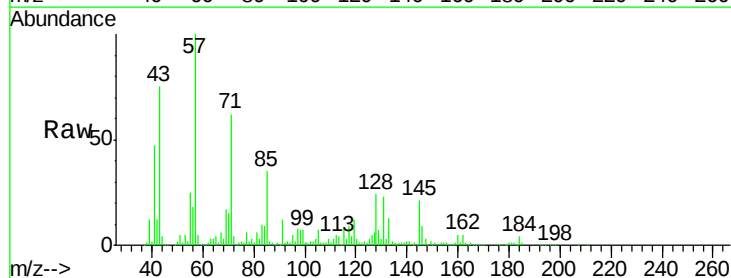
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

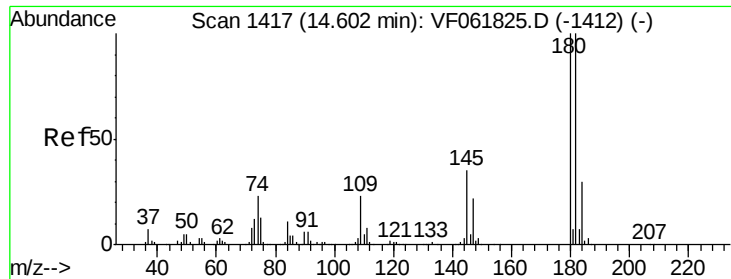
Tot Ion:180 Resp: 2202
 Ion Ratio Lower Upper
 180 100
 182 153.6 49.0 147.2#
 145 1606.3 14.1 42.4#



#95
 Naphthalene
 Concen: 34.897 ug/l
 RT: 14.44 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

Tgt Ion:128 Resp: 132421
 Ion Ratio Lower Upper
 128 100
 127 26.0 9.3 13.9#
 129 29.8 8.8 13.2#

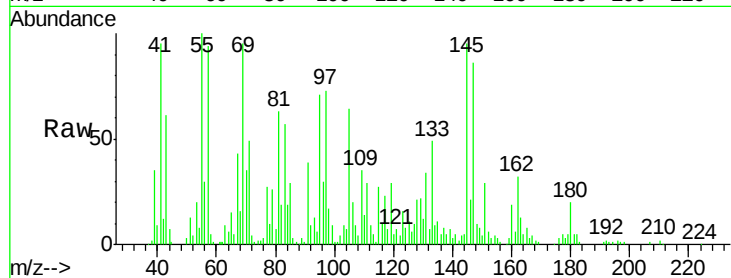




#96
 1,2,3-Trichlorobenzene
 Concen: 4.994 ug/l
 RT: 14.63 min Scan# 1420
 Delta R.T. 0.03 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

Tot Ion:180 Resp: 9824
 Ion Ratio Lower Upper
 180 100
 182 24.0 50.2 150.7#
 145 474.2 17.5 52.5#



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

