

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060303.D
 Acq On : 20 Sep 2018 17:59
 Operator : VA/AP
 Sample : J5021-09
 Misc : 6.05/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-C

Quant Time: Sep 21 05:22:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	71	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.50	114	63	50.00	ug/l	-0.26
63) Chlorobenzene-d5	9.44	117	77	50.00	ug/l	-0.48
72) 1,4-Dichlorobenzene-d4	12.65	152	428	50.00	ug/l	0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	71	74.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	148.52%	
35) Dibromofluoromethane	4.00	113	66	117.52	ug/l	-0.29
Spiked Amount	50.000		Recovery	=	235.04%	
50) Toluene-d8	7.40	98	72	49.23	ug/l	-0.31
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.01	95	759	1200.56	ug/l	-0.50
Spiked Amount	50.000		Recovery	=	2401.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	65	62.637	ug/l #	40
3) Chloromethane	1.13	50	107	110.590	ug/l #	42
4) Vinyl Chloride	1.10	62	147	149.079	ug/l #	43
5) Bromomethane	1.39	94	97	194.691	ug/l	88
6) Chloroethane	1.43	64	78	166.096	ug/l #	1
7) Trichlorofluoromethane	1.38	101	64	34.839	ug/l #	18
8) Diethyl Ether	1.76	74	89	291.198	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.89	101	96	98.262	ug/l #	23
10) Methyl Iodide	1.85	142	62	39.354	ug/l #	24
11) Tert butyl alcohol	2.59	59	156	3115.323	ug/l #	1
12) 1,1-Dichloroethene	1.84	96	518	641.114	ug/l #	1
13) Acrolein	1.92	56	174	3801.291	ug/l	91
14) Allyl chloride	2.18	41	1202	852.514	ug/l #	44
15) Acrylonitrile	3.06	53	134	992.409	ug/l #	20
16) Acetone	2.28	43	834	3097.598	ug/l #	83
17) Carbon Disulfide	1.84	76	70	31.989	ug/l #	70
18) Methyl Acetate	2.41	43	865	1928.514	ug/l #	46
19) Methyl tert-butyl Ether	2.54	73	274	136.032	ug/l #	36
20) Methylene Chloride	2.28	84	193	303.007	ug/l #	1
21) trans-1,2-Dichloroethene	2.39	96	198	237.268	ug/l #	1
22) Diisopropyl ether	2.93	45	223	83.828	ug/l #	7
23) Vinyl Acetate	3.31	43	1178	1127.490	ug/l #	79
24) 1,1-Dichloroethane	2.99	63	68	39.415	ug/l #	89
25) 2-Butanone	4.51	43	801	2210.286	ug/l #	86
26) 2,2-Dichloropropane	3.73	77	114	115.808	ug/l #	58
27) cis-1,2-Dichloroethene	3.59	96	559	509.893	ug/l	1
28) Bromochloromethane	3.78	49	134	199.496	ug/l #	8
29) Tetrahydrofuran	4.21	42	597	4498.501	ug/l #	35
30) Chloroform	3.89	83	110	52.842	ug/l	94
31) Cyclohexane	3.83	56	189	129.696	ug/l #	15
32) 1,1,1-Trichloroethane	4.25	97	125	76.100	ug/l #	46
36) 1,1-Dichloropropene	4.25	75	64	81.442	ug/l #	1
37) Ethyl Acetate	4.08	43	371	1115.758	ug/l #	1
38) Carbon Tetrachloride	3.92	117	84	99.517	ug/l #	14

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060303.D
 Acq On : 20 Sep 2018 17:59
 Operator : VA/AP
 Sample : J5021-09
 Misc : 6.05/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-C

Quant Time: Sep 21 05:22:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.40	83	77	90.408	ug/l #	6
40) Benzene	4.61	78	71	39.846	ug/l #	1
41) Methacrylonitrile	4.69	41	824	4566.952	ug/l #	36
42) 1,2-Dichloroethane	4.92	62	63	96.056	ug/l	79
43) Isopropyl Acetate	6.76	43	474	1184.123	ug/l #	48
44) Trichloroethene	5.48	130	60	113.143	ug/l	1
45) 1,2-Dichloropropane	6.05	63	218	472.722	ug/l #	42
46) Dibromomethane	5.95	93	67	203.254	ug/l #	5
47) Bromodichloromethane	6.24	83	270	340.838	ug/l #	26
48) Methyl methacrylate	6.53	41	476	1693.973	ug/l #	48
49) 1,4-Dioxane	6.56	88	250	99585.528	ug/l #	56
51) 4-Methyl-2-Pentanone	8.01	43	171	554.252	ug/l #	35
52) Toluene	7.47	92	72	63.871	ug/l	77
53) t-1,3-Dichloropropene	8.02	75	66	103.289	ug/l #	42
54) cis-1,3-Dichloropropene	7.13	75	64	79.506	ug/l #	29
55) 1,1,2-Trichloroethane	8.24	97	92	268.901	ug/l #	37
56) Ethyl methacrylate	8.33	69	471	1139.870	ug/l #	78
57) 1,3-Dichloropropane	8.45	76	70	123.566	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.44	63	79	2162.689	ug/l	100
59) 2-Hexanone	9.15	43	568	2585.680	ug/l	78
60) Dibromochloromethane	8.36	129	60	117.662	ug/l #	32
61) 1,2-Dibromoethane	8.67	107	77	202.105	ug/l	92
65) Chlorobenzene	9.89	112	60	34.381	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.05	131	86	118.746	ug/l #	58
67) Ethyl Benzene	10.02	91	424	131.403	ug/l #	49
68) m/p-Xylenes	10.15	106	75	67.277	ug/l	85
69) o-Xylene	10.71	106	122	97.570	ug/l	97
70) Stvrene	10.87	104	194	110.016	ug/l #	31
71) Bromoform	10.91	173	67	168.447	ug/l #	31
73) Isopropylbenzene	11.21	105	655	17.047	ug/l #	51
74) N-amyl acetate	11.51	43	847	103.375	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	11.79	83	992	145.682	ug/l #	47
76) 1,2,3-Trichloropropane	11.74	75	171	35.073	ug/l #	1
77) Bromobenzene	11.68	156	79	9.540	ug/l #	1
78) n-propylbenzene	11.69	91	2233	60.769	ug/l	88
79) 2-Chlorotoluene	11.79	91	787	30.365	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.97	105	628	20.305	ug/l	79
81) trans-1,4-Dichloro-2-buten	12.04	75	85	32.989	ug/l #	1
82) 4-Chlorotoluene	11.98	91	696	26.717	ug/l #	43
83) tert-Butylbenzene	12.19	119	1343	42.835	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.22	105	926	29.485	ug/l	74
85) sec-Butylbenzene	12.40	105	405	3.284	ug/l	83
86) p-Isopropyltoluene	12.51	119	784	22.523	ug/l #	1
87) 1,3-Dichlorobenzene	12.59	146	360	23.266	ug/l #	1
88) 1,4-Dichlorobenzene	12.67	146	122	7.977	ug/l #	1
89) n-Butylbenzene	12.95	91	326	5.665	ug/l	67
90) Hexachloroethane	12.97	117	466	53.115	ug/l #	22
91) 1,2-Dichlorobenzene	12.99	146	339	22.966	ug/l #	48
92) 1,2-Dibromo-3-Chloropropan	13.75	75	282	220.576	ug/l	81
93) 1,2,4-Trichlorobenzene	14.24	180	84	7.830	ug/l #	10

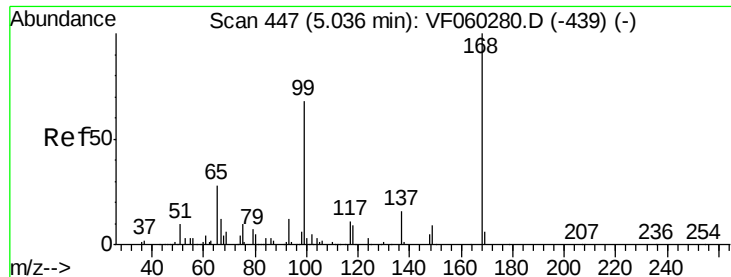
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092018\
Data File : VF060303.D
Acq On : 20 Sep 2018 17:59
Operator : VA/AP
Sample : J5021-09
Misc : 6.05/5mL/MSVOA F/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-C

Quant Time: Sep 21 05:22:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.54	128	496	26.369	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.66	180	66	6.658	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.02 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

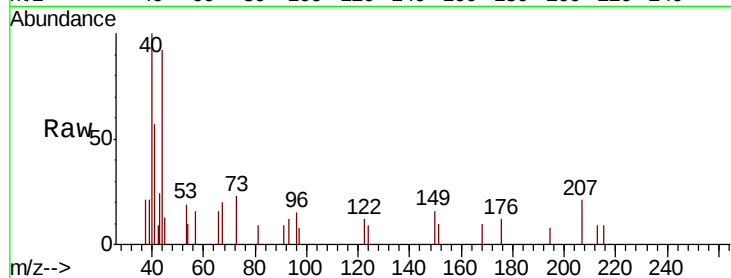
LS-SOIL-C

Tot Ion:168 Resp: 71

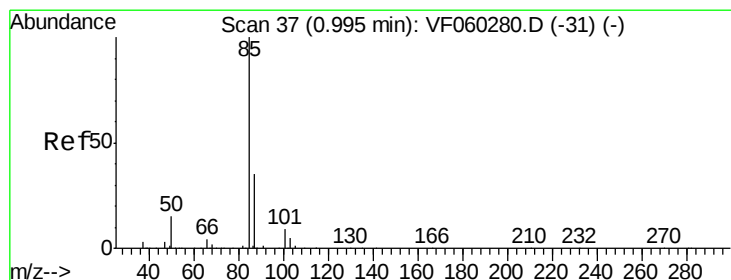
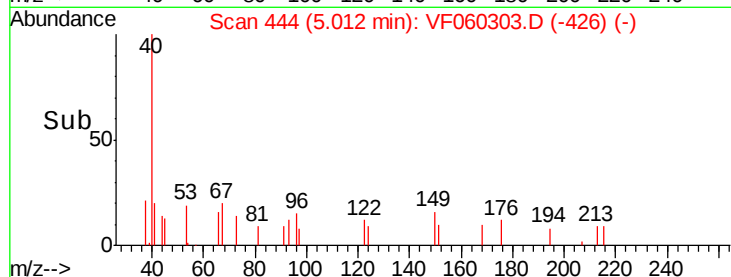
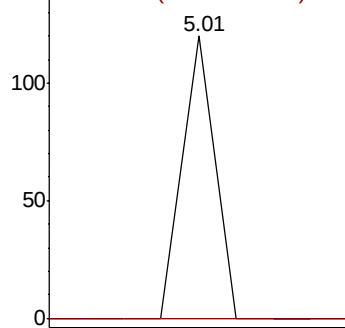
Ion Ratio Lower Upper

168 100

99 0.0 54.8 82.2#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 62.637 ug/l

RT: 0.98 min Scan# 35

Delta R.T. -0.01 min

Lab File: VF060303.D

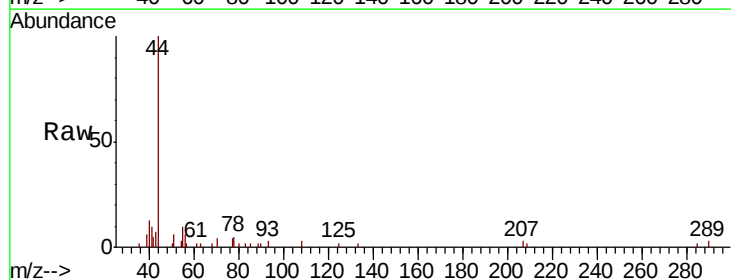
Acq: 20 Sep 2018 17:59

Tgt Ion: 85 Resp: 65

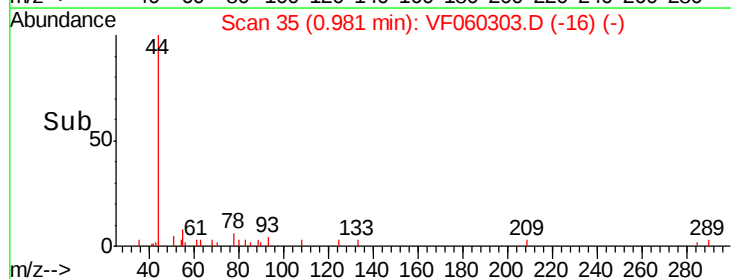
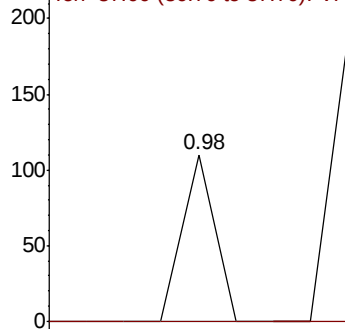
Ion Ratio Lower Upper

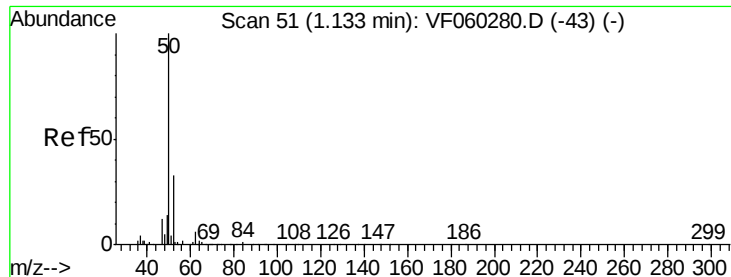
85 100

87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 110.590 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

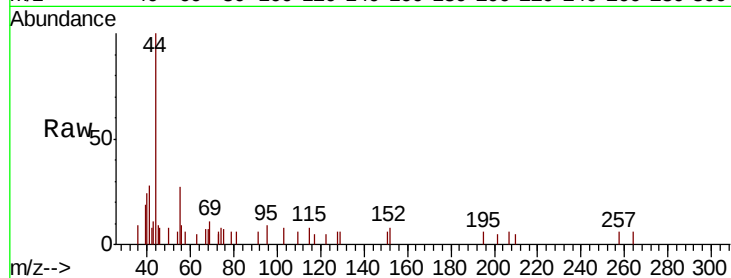
LS-SOIL-C

Tot Ion: 50 Resp: 107

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#



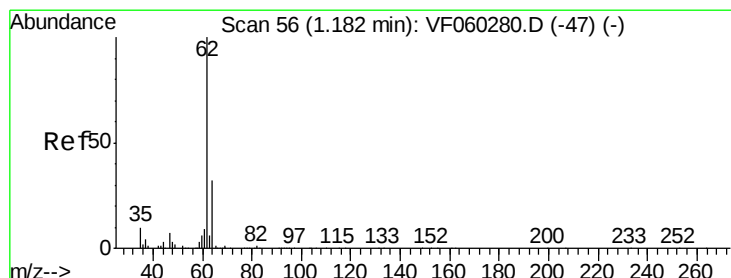
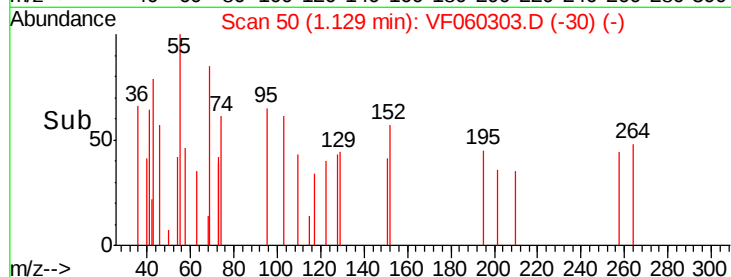
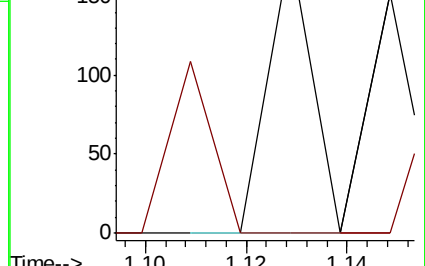
Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.13

1.12

1.14



#4

Vinyl Chloride

Concen: 149.079 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.08 min

Lab File: VF060303.D

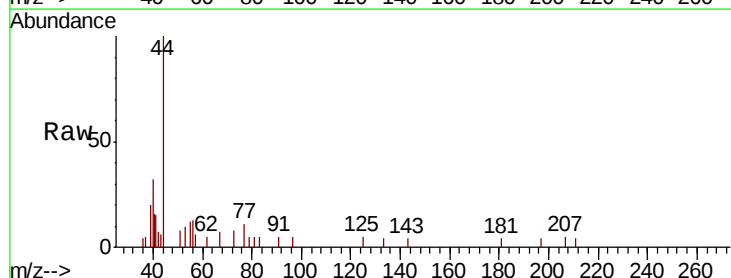
Acq: 20 Sep 2018 17:59

Tgt Ion: 62 Resp: 147

Ion Ratio Lower Upper

62 100

64 0.0 25.2 37.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

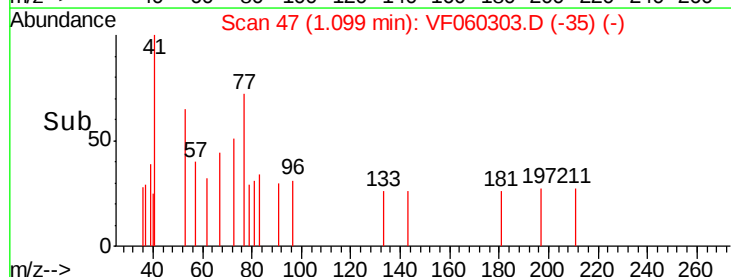
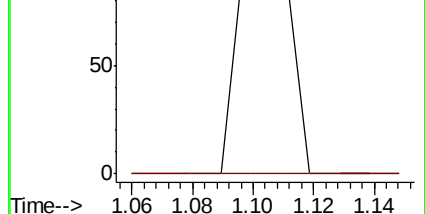
1.10

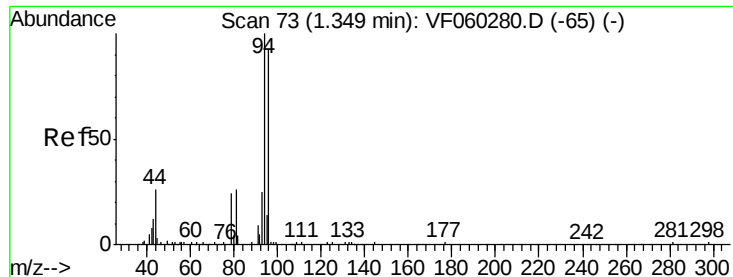
1.06

1.08

1.12

1.14





#5

Bromomethane

Concen: 194.691 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.05 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

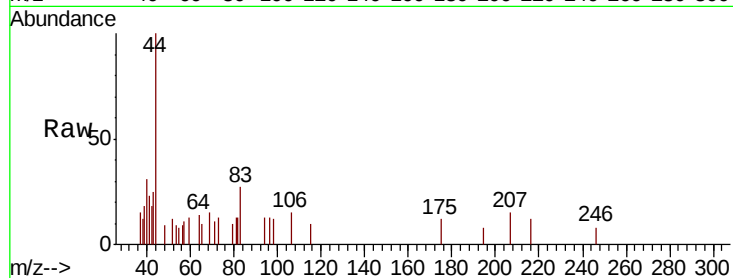
LS-SOIL-C

Tot Ion: 94 Resp: 97

Ion Ratio Lower Upper

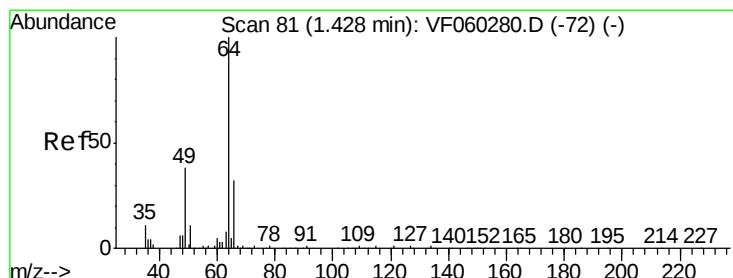
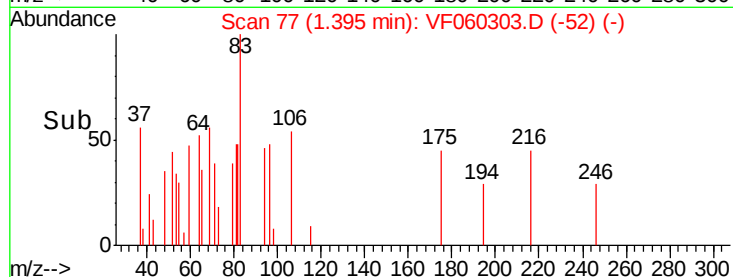
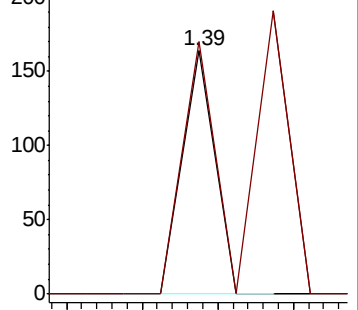
94 100

96 103.7 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 166.096 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060303.D

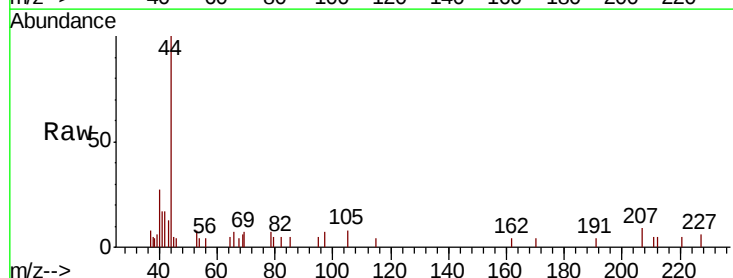
Acq: 20 Sep 2018 17:59

Tgt Ion: 64 Resp: 78

Ion Ratio Lower Upper

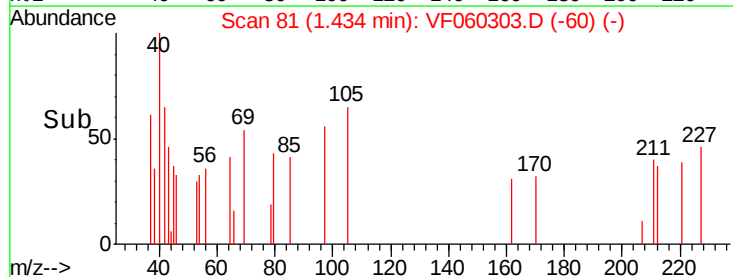
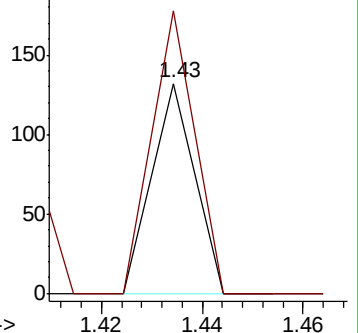
64 100

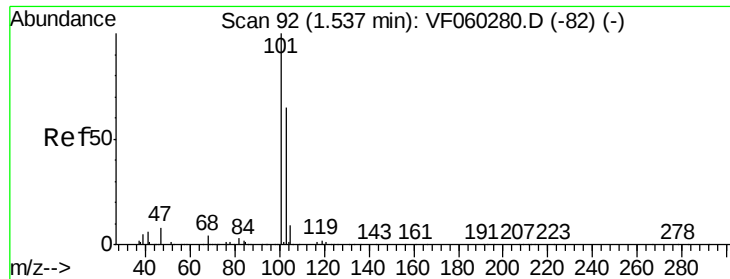
66 134.8 26.2 39.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



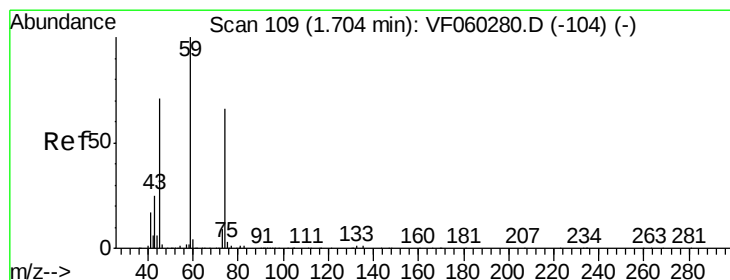
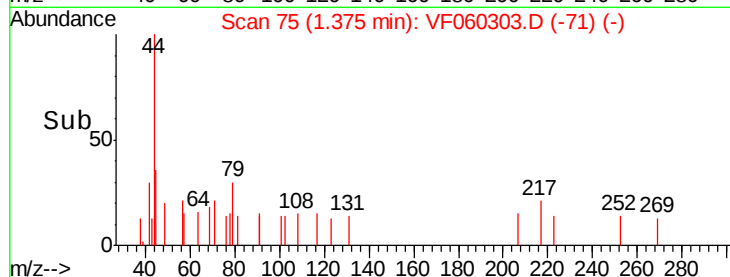
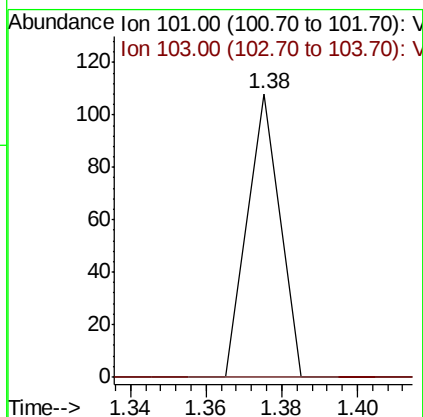
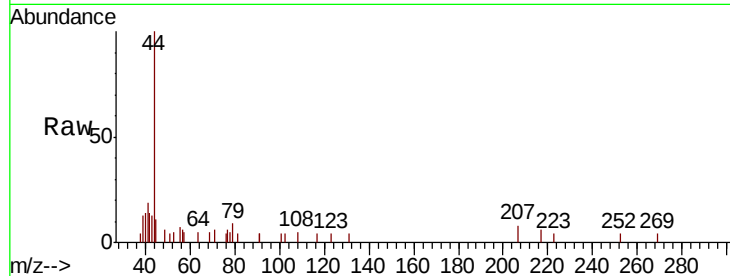


#7

Trichlorofluoromethane
Concen: 34.839 ug/l
RT: 1.38 min Scan# 75
Delta R.T. -0.16 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-C

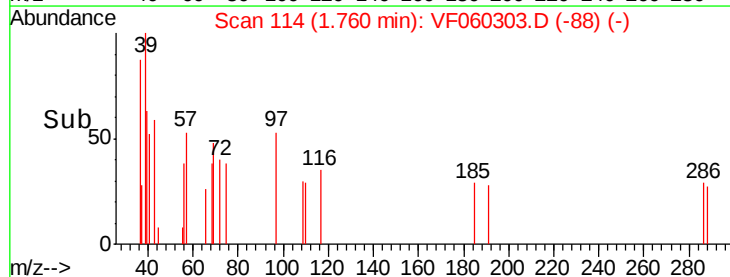
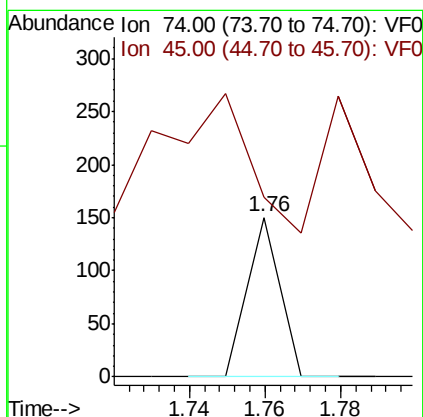
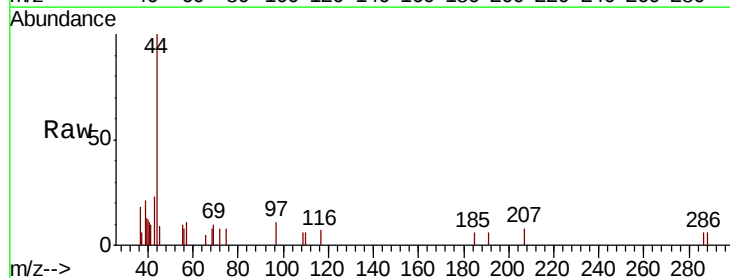
Tot Ion:101 Resp: 64
Ion Ratio Lower Upper
101 100
103 0.0 52.0 78.0#

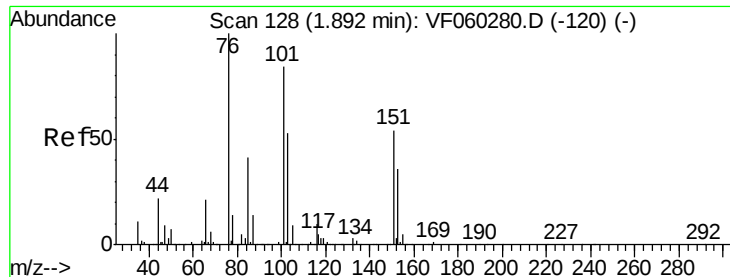


#8

Diethyl Ether
Concen: 291.198 ug/l
RT: 1.76 min Scan# 114
Delta R.T. 0.06 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion: 74 Resp: 89
Ion Ratio Lower Upper
74 100
45 112.7 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.262 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

LS-SOIL-C

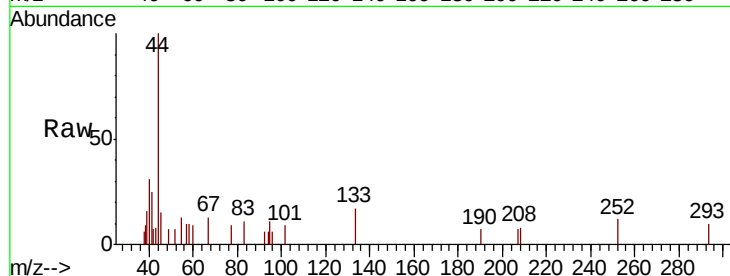
Tot Ion:101 Resp: 96

Ion Ratio Lower Upper

101 100

85 0.0 38.7 58.1#

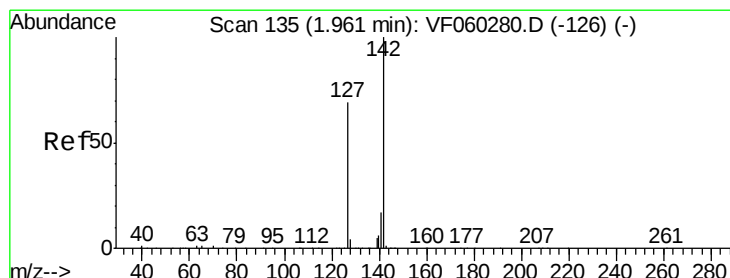
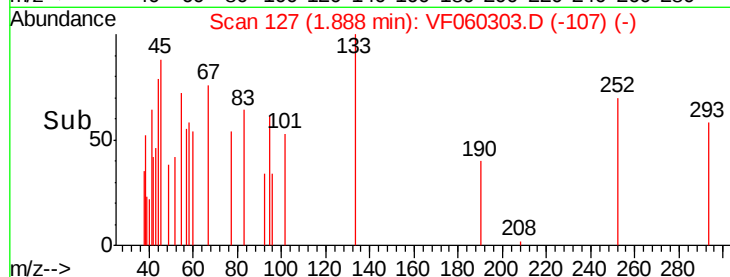
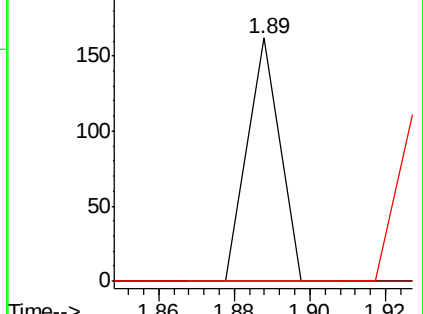
151 0.0 50.8 76.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 39.354 ug/l

RT: 1.85 min Scan# 123

Delta R.T. -0.11 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

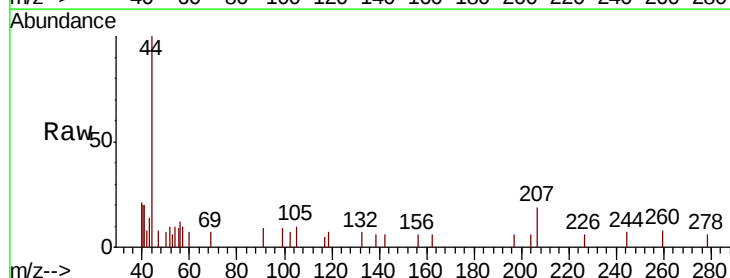
Tgt Ion:142 Resp: 62

Ion Ratio Lower Upper

142 100

127 0.0 55.4 83.0#

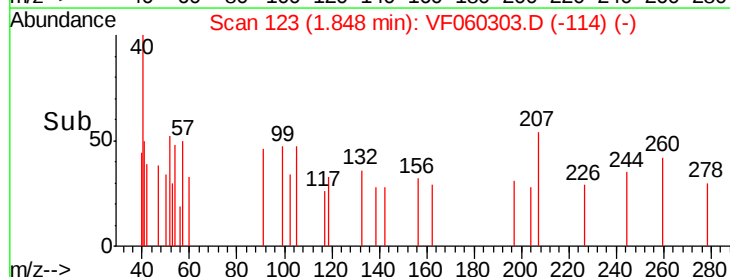
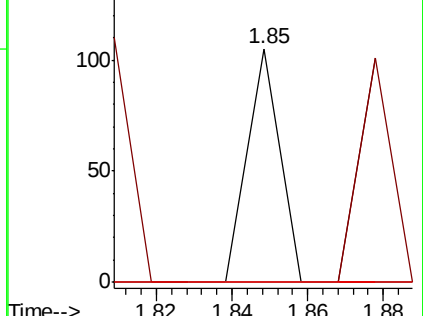
141 0.0 13.3 19.9#

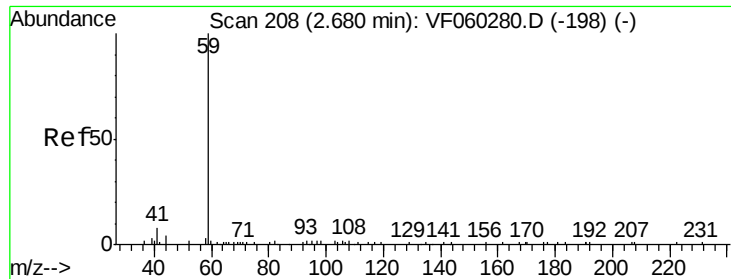


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

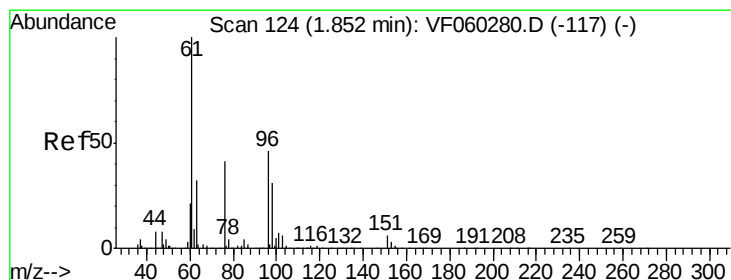
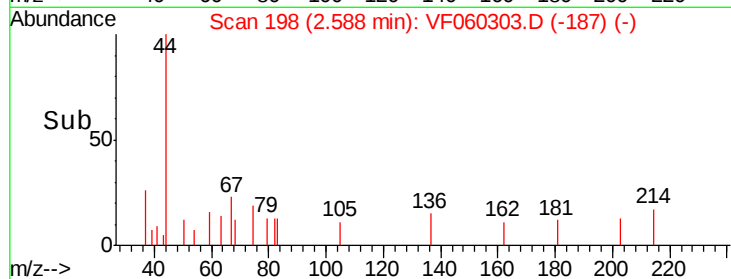
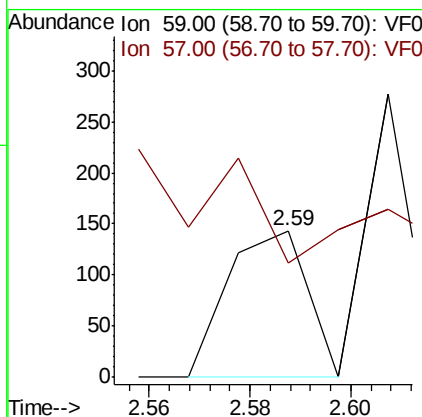
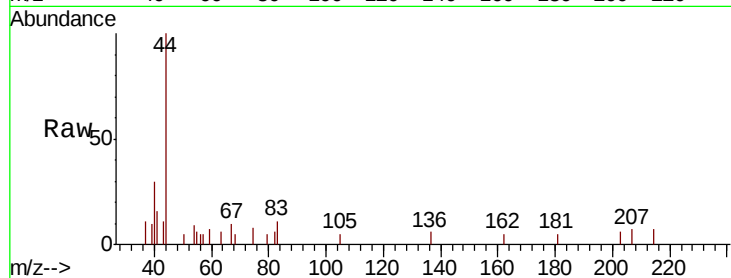




#11
Tert butyl alcohol
Concen: 3115.323 ug/l
RT: 2.59 min Scan# 198
Delta R.T. -0.09 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

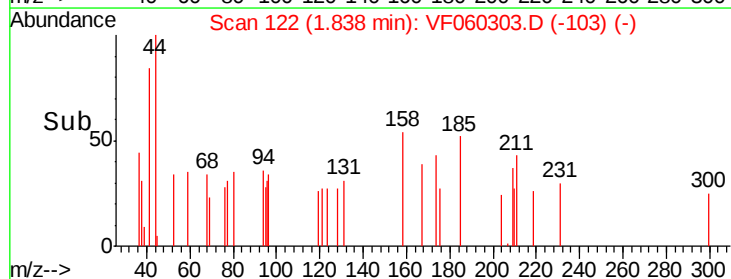
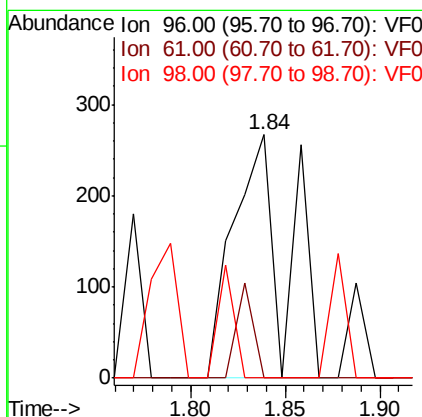
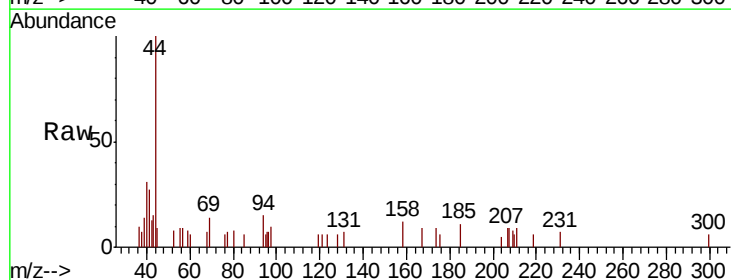
Instrument :
MSVOA_F
ClientSampled :
LS-SOIL-C

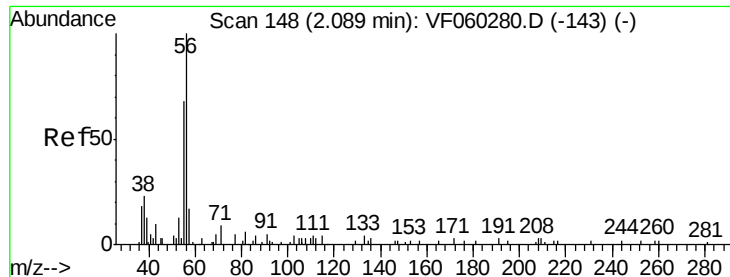
Tot Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 77.6 12.4 18.6#



#12
1,1-Dichloroethene
Concen: 641.114 ug/l
RT: 1.84 min Scan# 122
Delta R.T. -0.01 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion: 96 Resp: 518
Ion Ratio Lower Upper
96 100
61 0.0 172.2 258.2#
98 0.0 54.1 81.1#





#13

Acrolein

Concen: 3801.291 ug/l

RT: 1.92 min Scan# 130

Delta R.T. -0.17 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

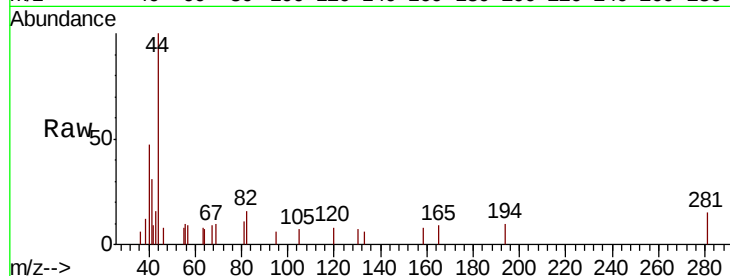
LS-SOIL-C

Tot Ion: 56 Resp: 174

Ion Ratio Lower Upper

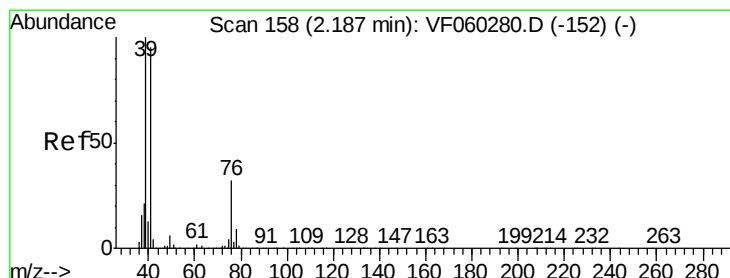
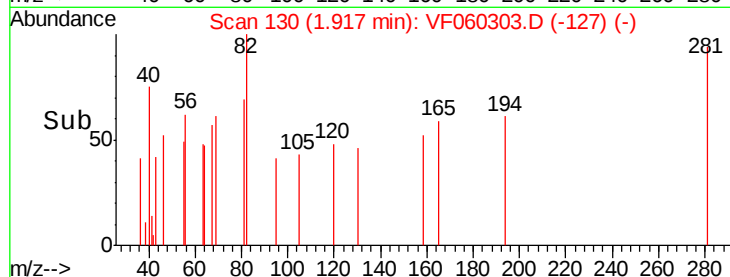
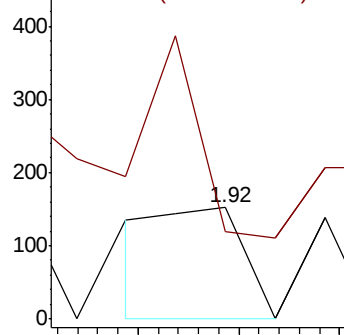
56 100

55 78.9 69.9 104.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 852.514 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

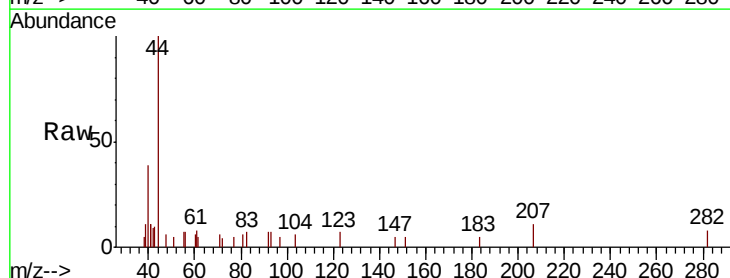
Tgt Ion: 41 Resp: 1202

Ion Ratio Lower Upper

41 100

39 49.6 84.8 127.2#

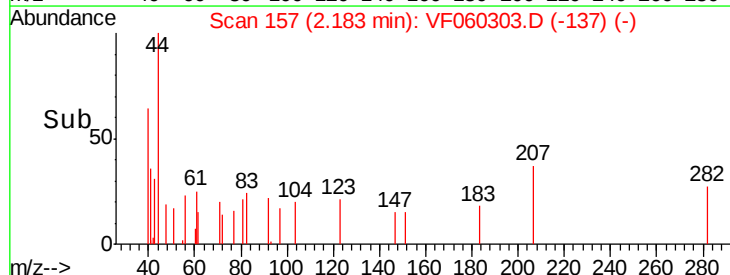
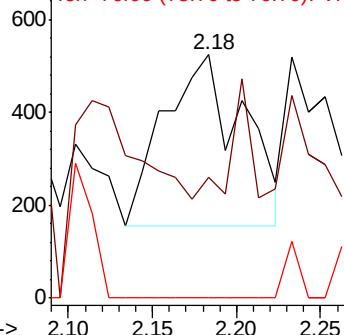
76 0.0 27.4 41.2#

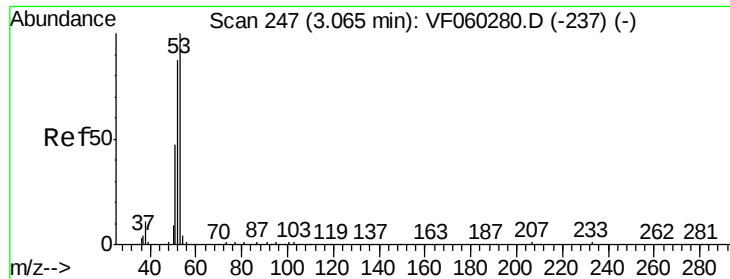


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 992.409 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.00 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

LS-SOIL-C

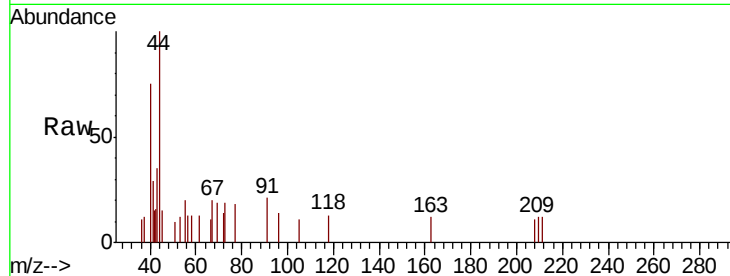
Tot Ion: 53 Resp: 134

Ion Ratio Lower Upper

53 100

52 0.0 69.5 104.3#

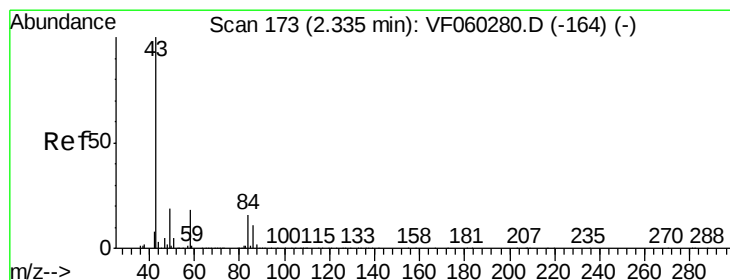
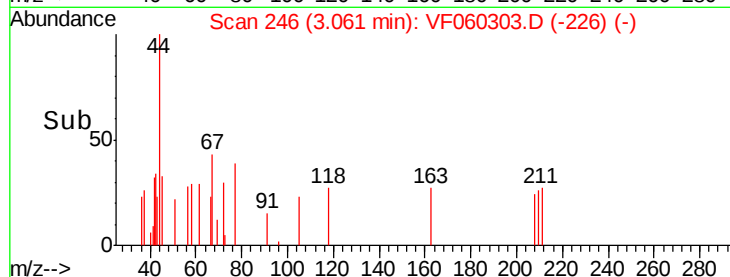
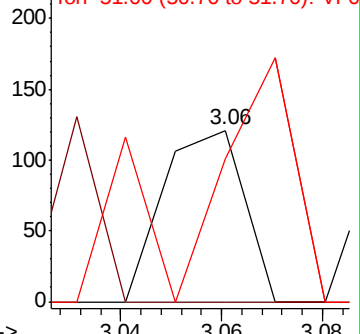
51 83.5 38.1 57.1#



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: 3097.598 ug/l

RT: 2.28 min Scan# 167

Delta R.T. -0.05 min

Lab File: VF060303.D

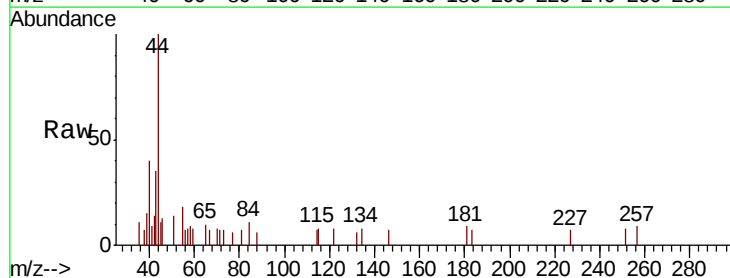
Acq: 20 Sep 2018 17:59

Tgt Ion: 43 Resp: 834

Ion Ratio Lower Upper

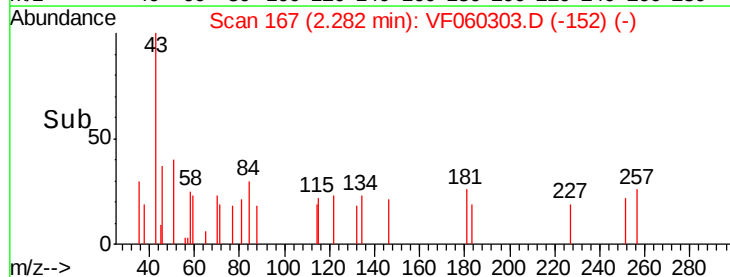
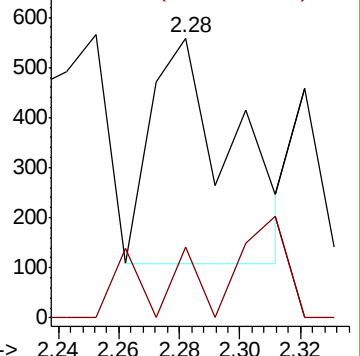
43 100

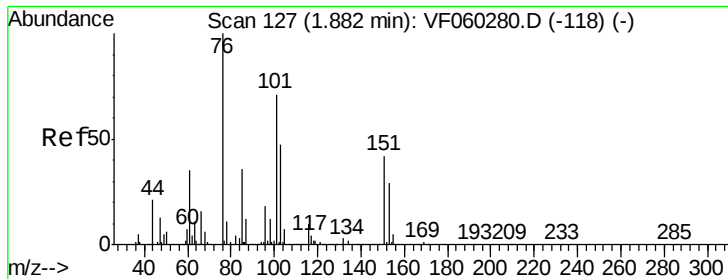
58 25.4 14.5 21.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 31.989 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.04 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

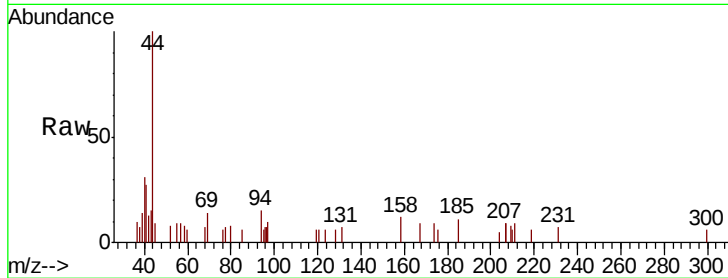
LS-SOIL-C

Tot Ion: 76 Resp: 70

Ion Ratio Lower Upper

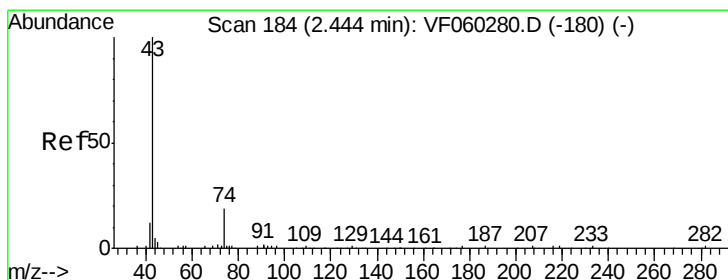
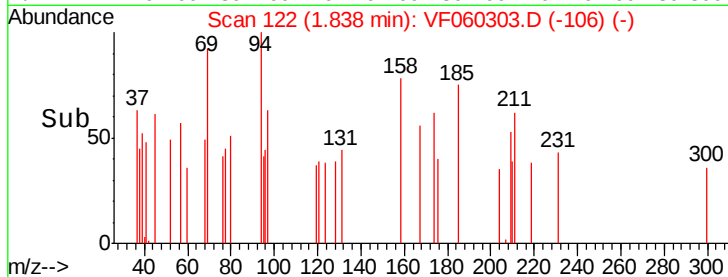
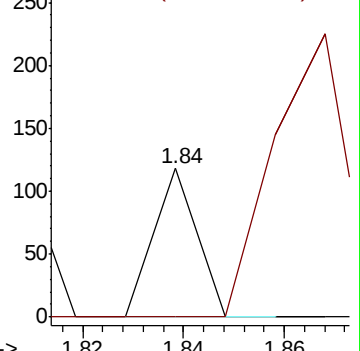
76 100

78 0.0 9.4 14.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 1928.514 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.03 min

Lab File: VF060303.D

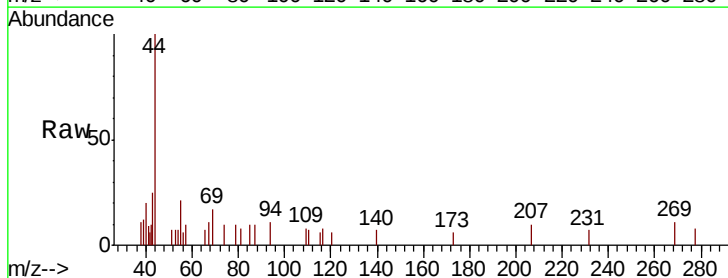
Acq: 20 Sep 2018 17:59

Tgt Ion: 43 Resp: 865

Ion Ratio Lower Upper

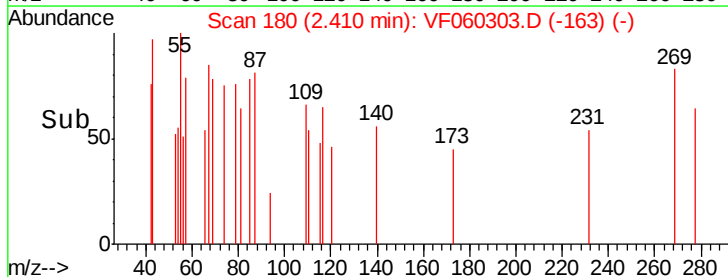
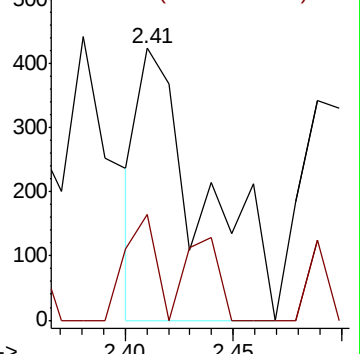
43 100

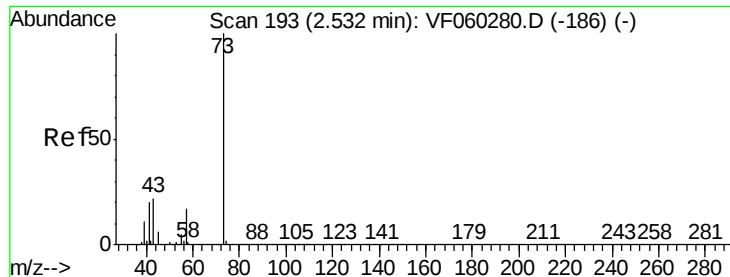
74 38.9 12.7 19.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



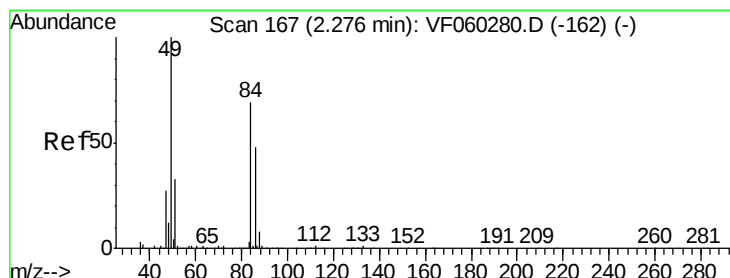
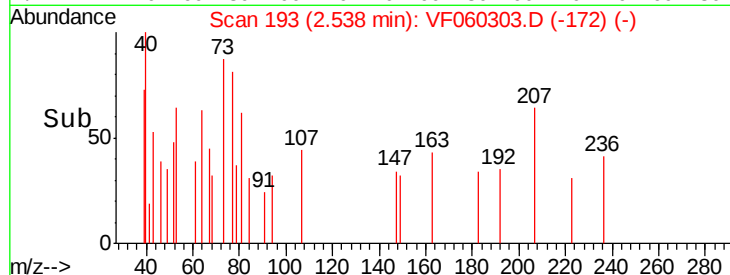
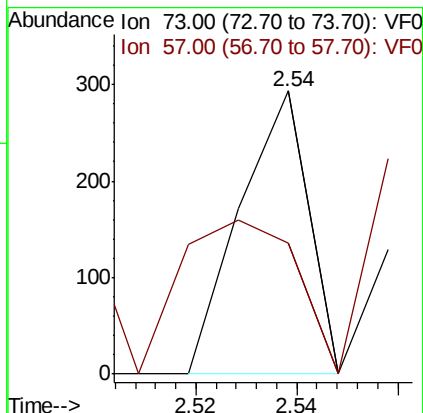
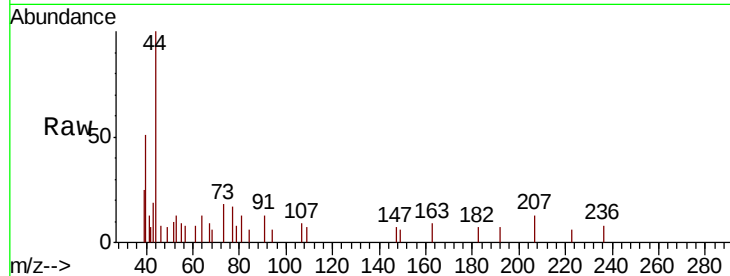


#19

Methyl tert-butyl Ether
 Concen: 136.032 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. 0.01 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-C

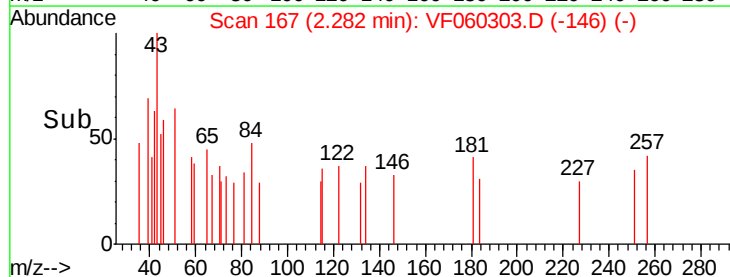
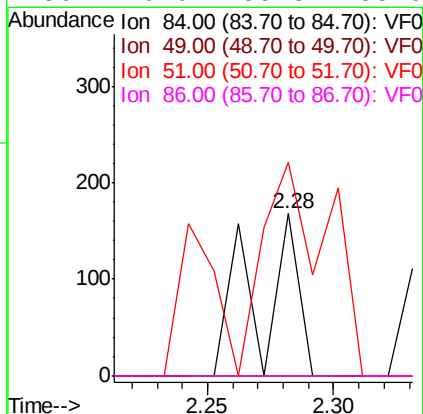
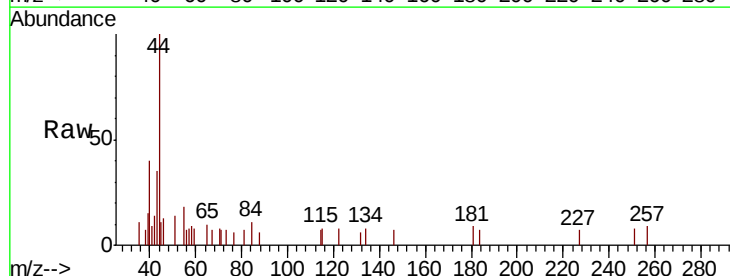
Tot Ion: 73 Resp: 274
 Ion Ratio Lower Upper
 73 100
 57 46.4 14.5 21.7#

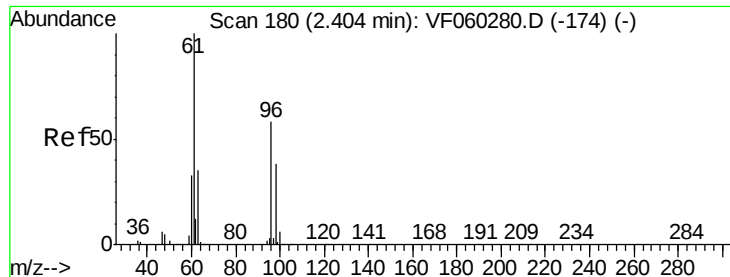


#20

Methylene Chloride
 Concen: 303.007 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. 0.01 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

Tgt Ion: 84 Resp: 193
 Ion Ratio Lower Upper
 84 100
 49 0.0 118.3 177.5#
 51 131.5 38.7 58.1#
 86 0.0 55.8 83.6#





#21

trans-1,2-Dichloroethene

Concen: 237.268 ug/l

RT: 2.39 min Scan# 178

Delta R.T. -0.01 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

LS-SOIL-C

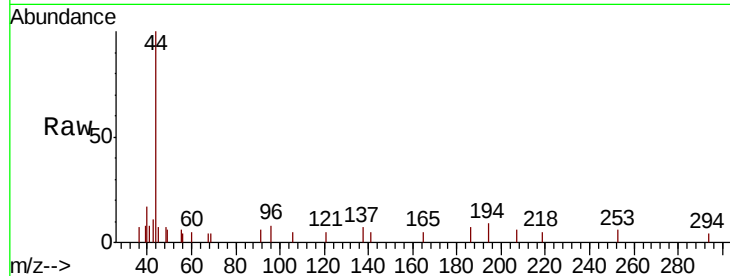
Tot Ion: 96 Resp: 198

Ion Ratio Lower Upper

96 100

61 0.0 136.4 204.6#

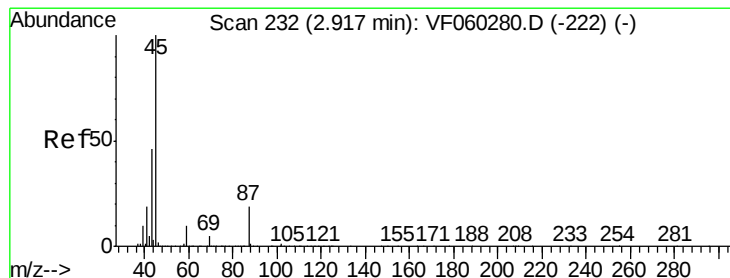
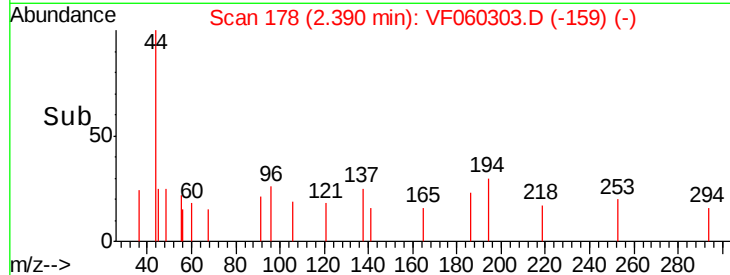
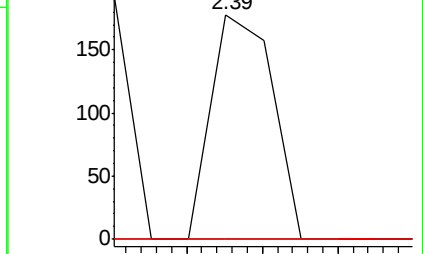
98 0.0 51.8 77.6#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 83.828 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.02 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Tgt Ion: 45 Resp: 223

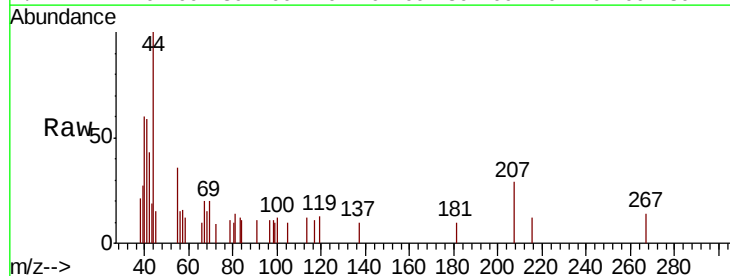
Ion Ratio Lower Upper

45 100

43 132.9 38.2 57.2#

87 0.0 15.5 23.3#

59 0.0 7.7 11.5#

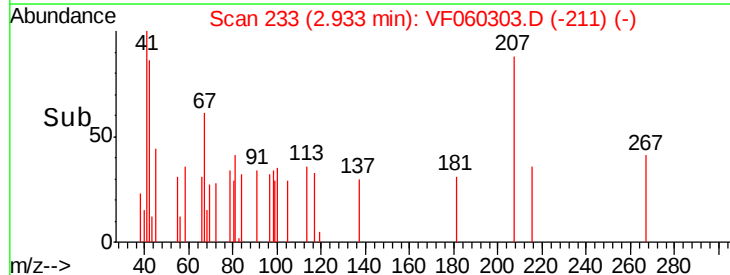
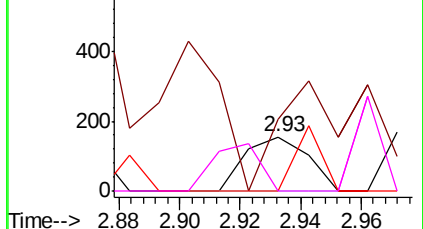


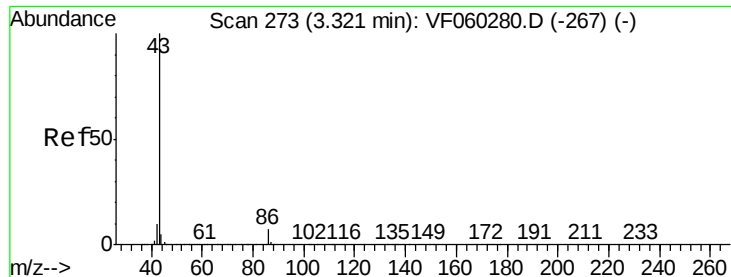
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 1127.490 ug/l

RT: 3.31 min Scan# 271

Delta R.T. -0.01 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

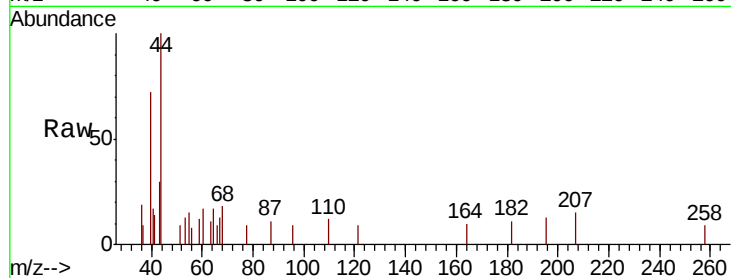
LS-SOIL-C

Tot Ion: 43 Resp: 1178

Ion Ratio Lower Upper

43 100

86 0.0 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

500

400

300

200

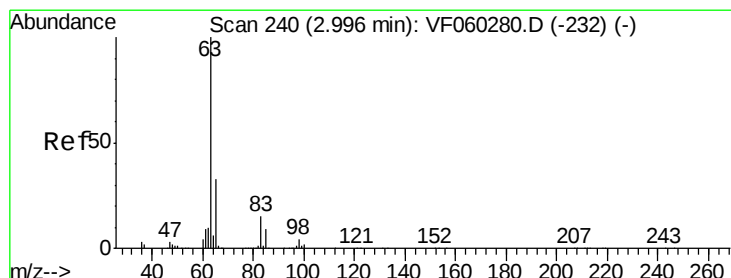
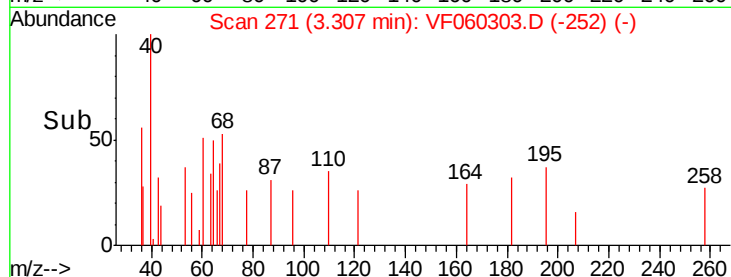
100

0

3.25 3.30 3.35

3.31

Time-->



#24

1,1-Dichloroethane

Concen: 39.415 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.00 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

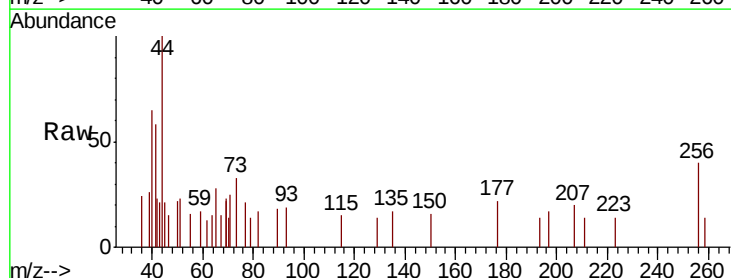
Tgt Ion: 63 Resp: 68

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.5#

100 0.0 1.1 3.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

150

100

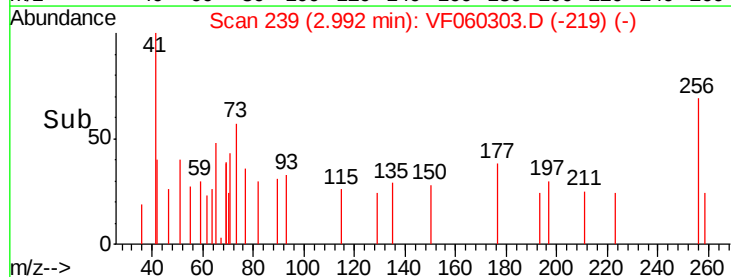
50

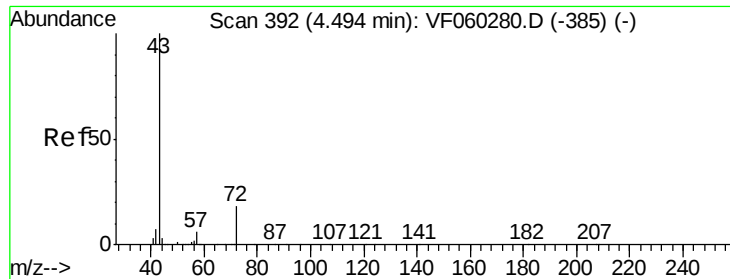
0

2.96 2.98 3.00 3.02

2.99

Time-->





#25

2-Butanone

Concen: 2210.286 ug/l

RT: 4.51 min Scan# 393

Delta R.T. 0.02 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

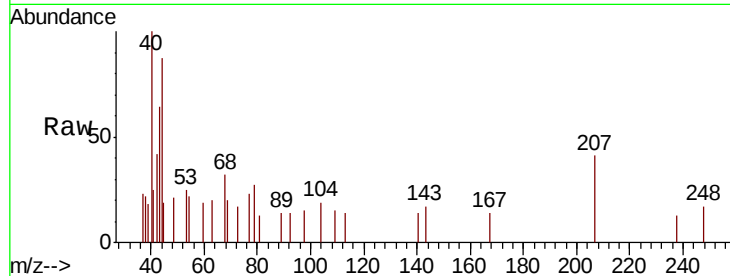
LS-SOIL-C

Tot Ion: 43 Resp: 801

Ion Ratio Lower Upper

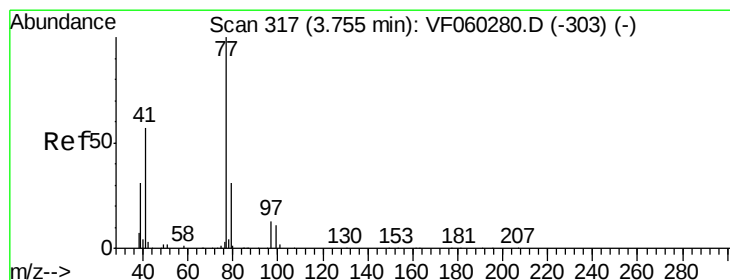
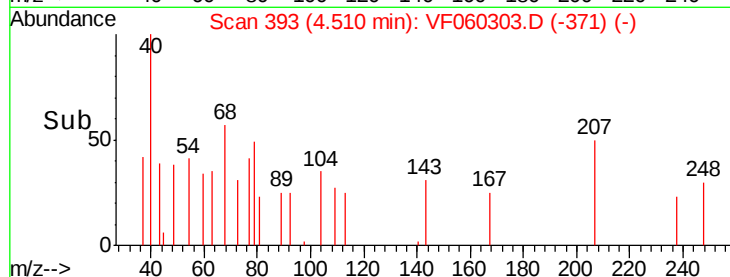
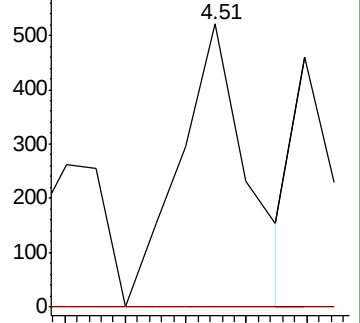
43 100

72 26.5 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 115.808 ug/l

RT: 3.73 min Scan# 314

Delta R.T. -0.02 min

Lab File: VF060303.D

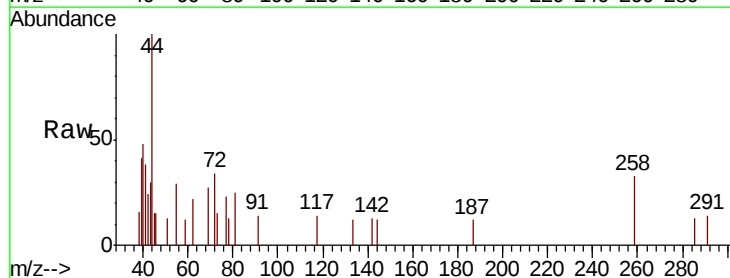
Acq: 20 Sep 2018 17:59

Tgt Ion: 77 Resp: 114

Ion Ratio Lower Upper

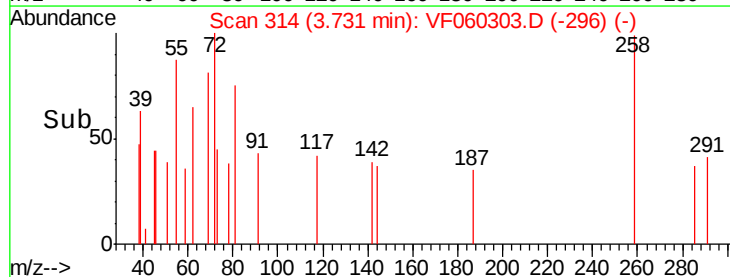
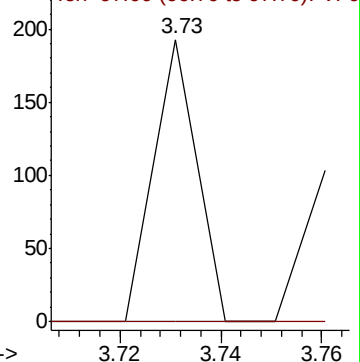
77 100

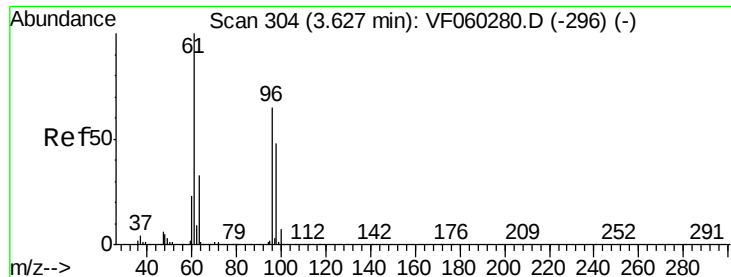
97 0.0 9.3 27.9#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



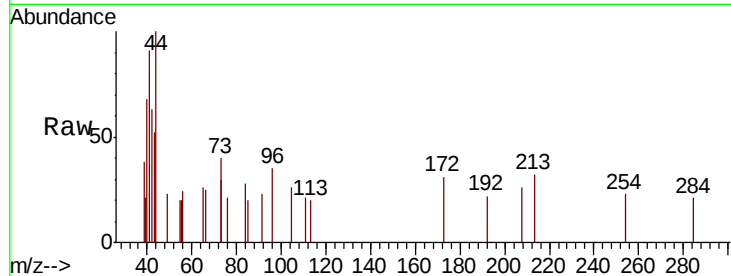


#27

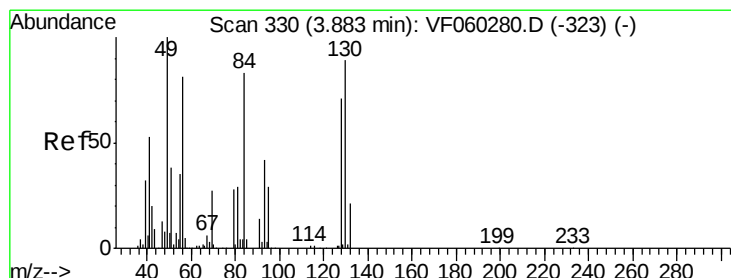
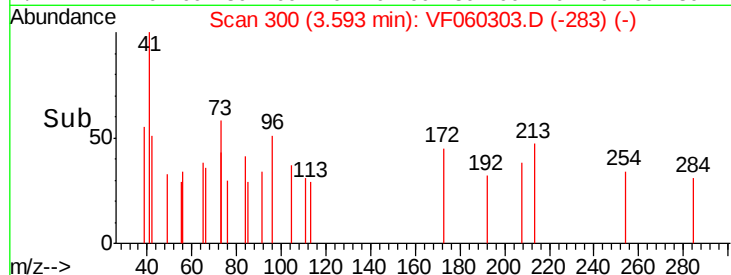
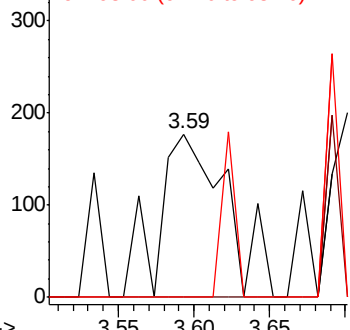
cis-1,2-Dichloroethene
 Concen: 509.893 ug/l
 RT: 3.59 min Scan# 300
 Delta R.T. -0.03 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

Instrument :
 MSVOA_F
 ClientSampleID :
 LS-SOIL-C

Tot Ion: 96 Resp: 559
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 304.8
 98 0.0 0.0 146.4



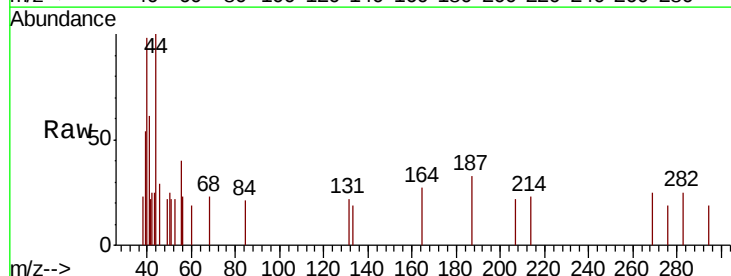
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



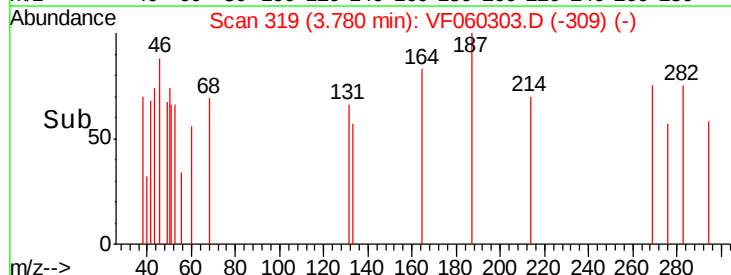
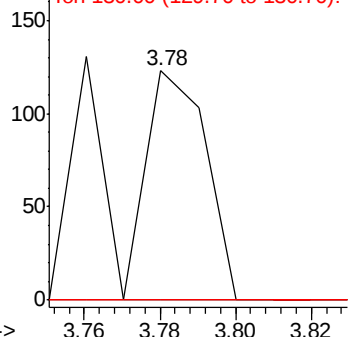
#28

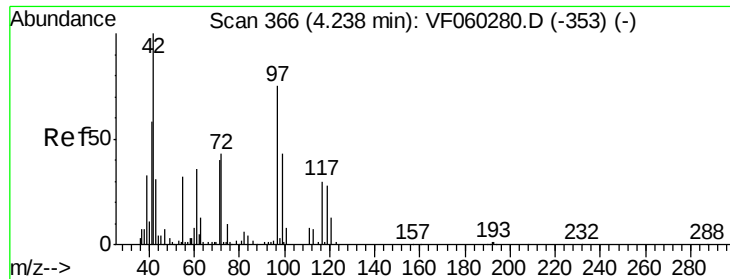
Bromochloromethane
 Concen: 199.496 ug/l
 RT: 3.78 min Scan# 319
 Delta R.T. -0.10 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

Tgt Ion: 49 Resp: 134
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 0.0 70.3 105.5#



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V

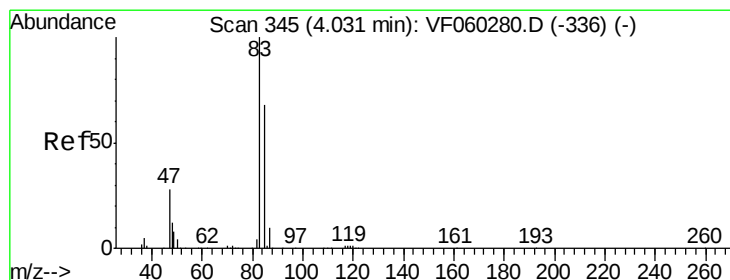
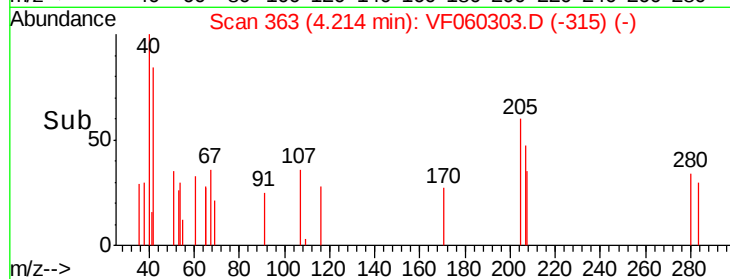
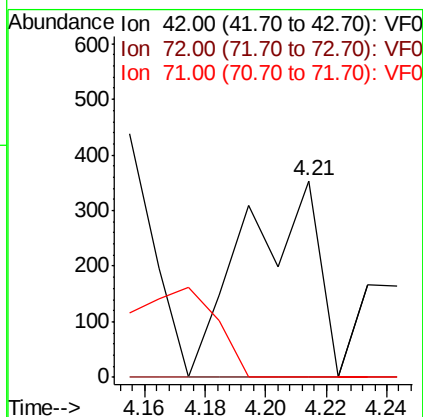
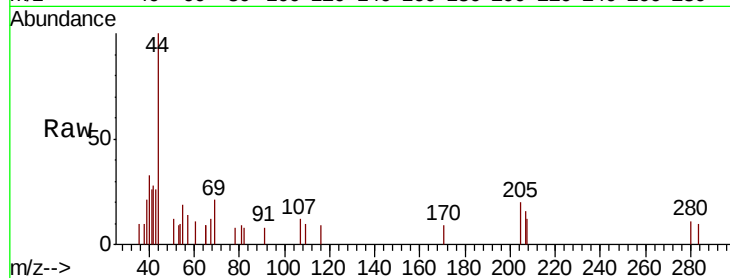




#29
Tetrahydrofuran
Concen: 4498.501 ug/l
RT: 4.21 min Scan# 363
Delta R.T. -0.02 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

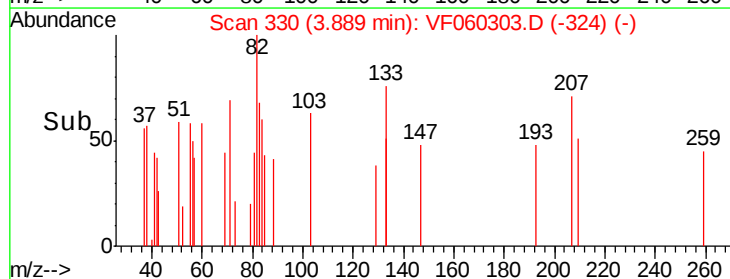
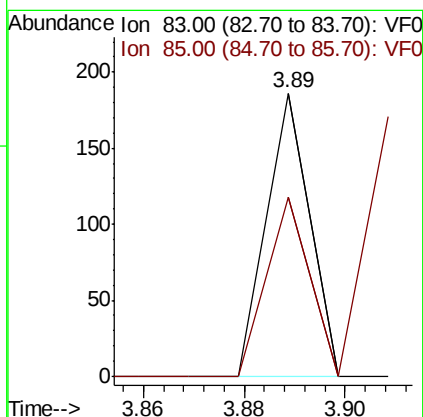
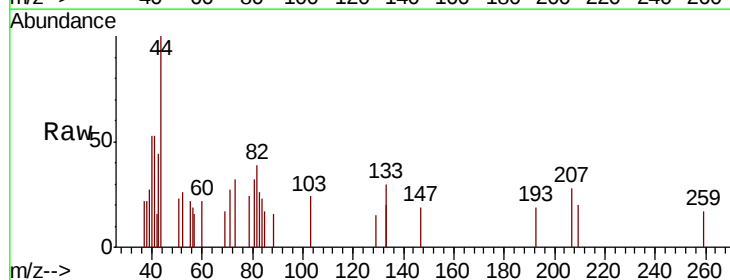
Instrument :
MSVOA_F
ClientSampled :
LS-SOIL-C

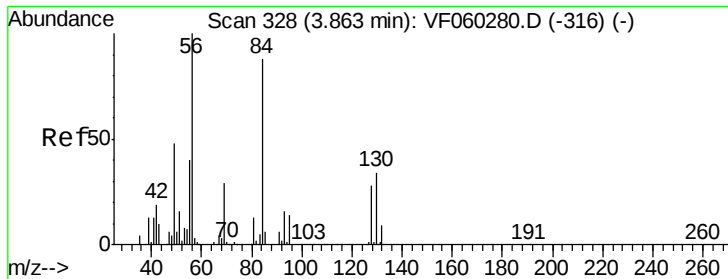
Tot Ion: 42 Resp: 597
Ion Ratio Lower Upper
42 100
72 0.0 32.6 49.0#
71 0.0 32.7 49.1#



#30
Chloroform
Concen: 52.842 ug/l
RT: 3.89 min Scan# 330
Delta R.T. -0.14 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion: 83 Resp: 110
Ion Ratio Lower Upper
83 100
85 63.4 54.9 82.3

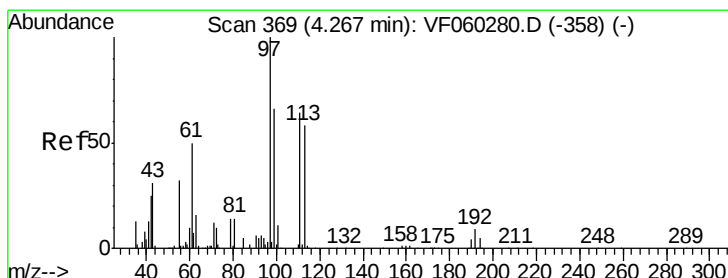
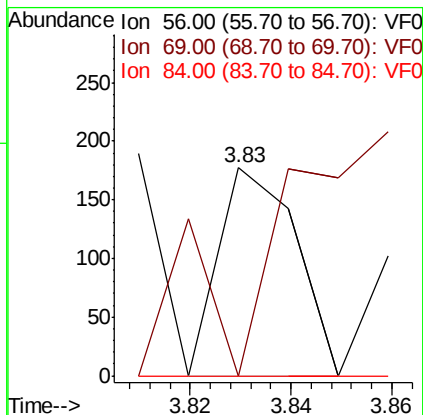
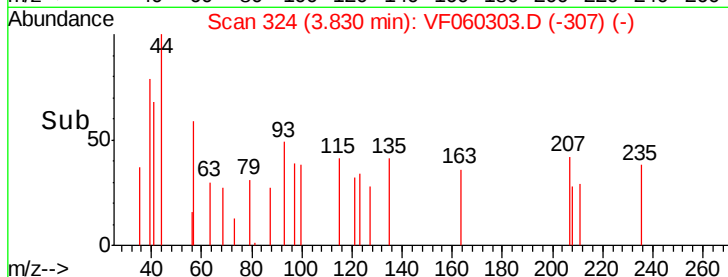
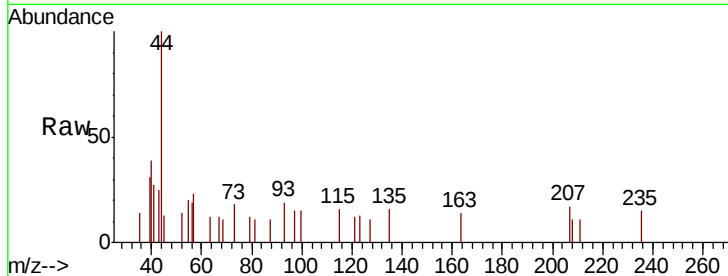




#31
Cvclohexane
Concen: 129.696 ug/l
RT: 3.83 min Scan# 324
Delta R.T. -0.03 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

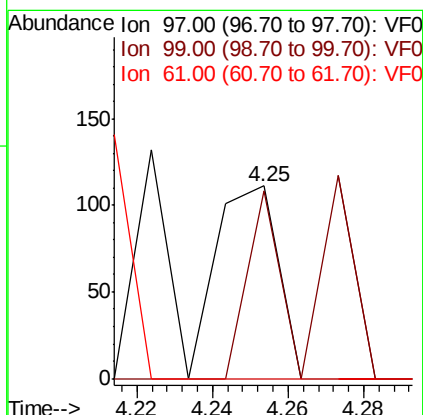
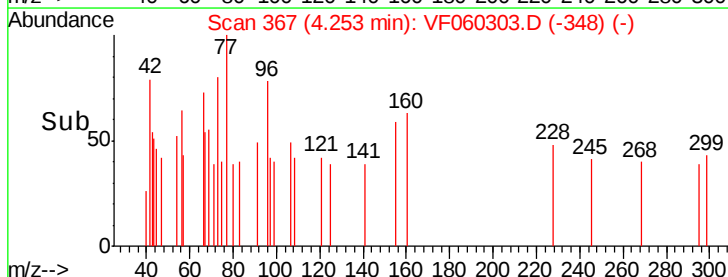
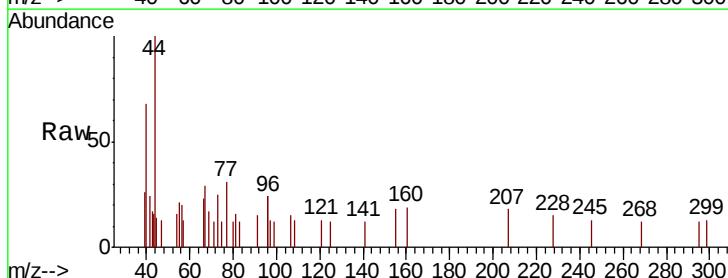
Instrument :
MSVOA_F
ClientSampled :
LS-SOIL-C

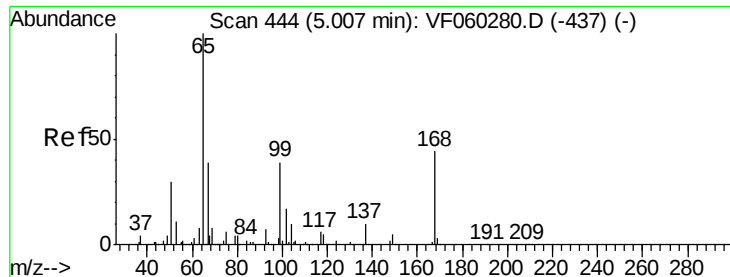
Tot Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
69 0.0 23.8 35.6#
84 0.0 70.2 105.4#



#32
1,1,1-Trichloroethane
Concen: 76.100 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.01 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion: 97 Resp: 125
Ion Ratio Lower Upper
97 100
99 97.3 53.0 79.4#
61 0.0 40.6 61.0#





#33

1,2-Dichloroethane-d4

Concen: 74.265 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.02 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

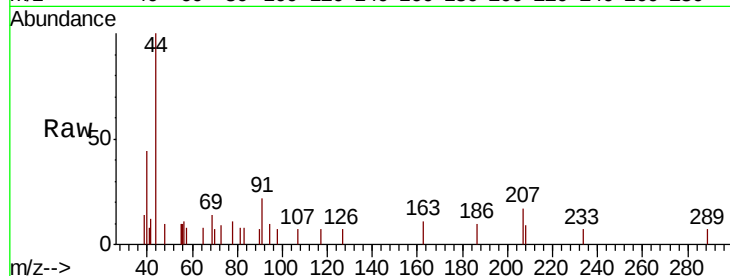
LS-SOIL-C

Tot Ion: 65 Resp: 71

Ion Ratio Lower Upper

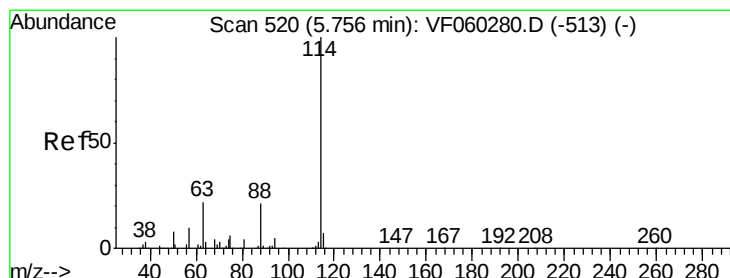
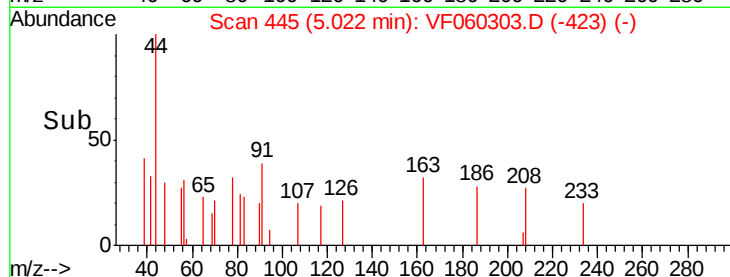
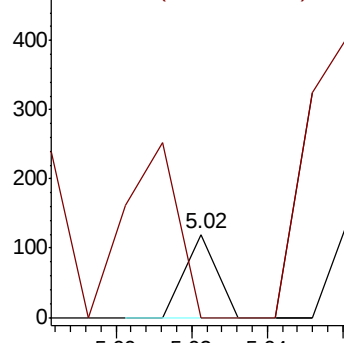
65 100

67 0.0 0.0 94.4



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: 5.50 min Scan# 493

Delta R.T. -0.26 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

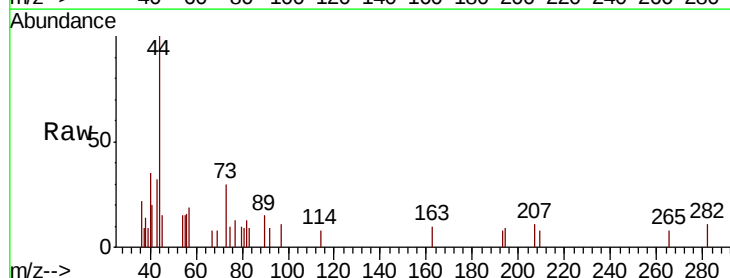
Tgt Ion: 114 Resp: 63

Ion Ratio Lower Upper

114 100

63 0.0 0.0 43.8

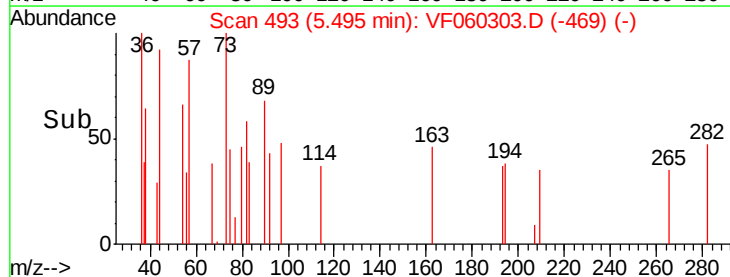
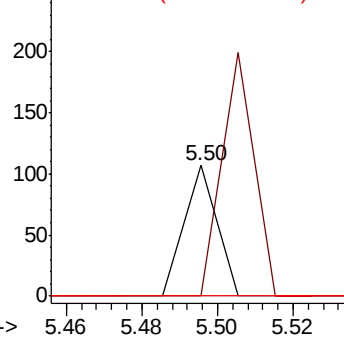
88 0.0 0.0 41.2

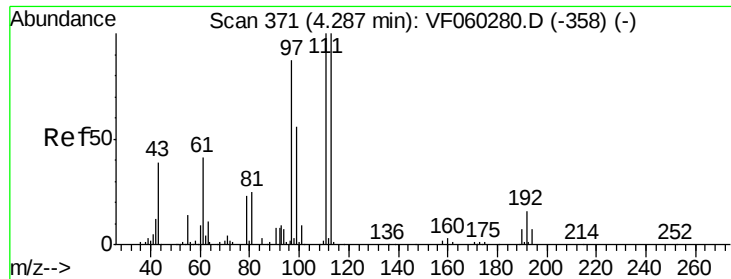


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 117.522 ug/l

RT: 4.00 min Scan# 341

Delta R.T. -0.29 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-C

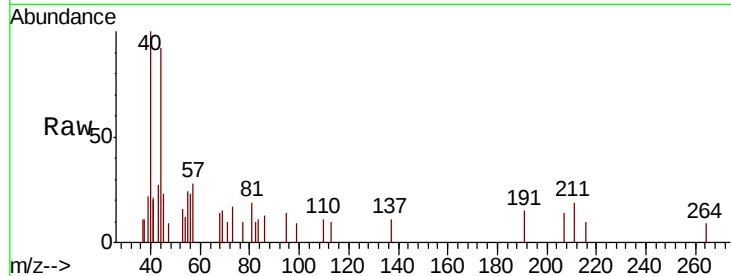
Tot Ion:113 Resp: 66

Ion Ratio Lower Upper

113 100

111 0.0 79.6 119.4#

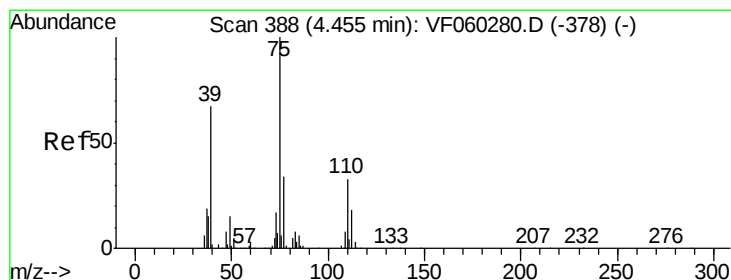
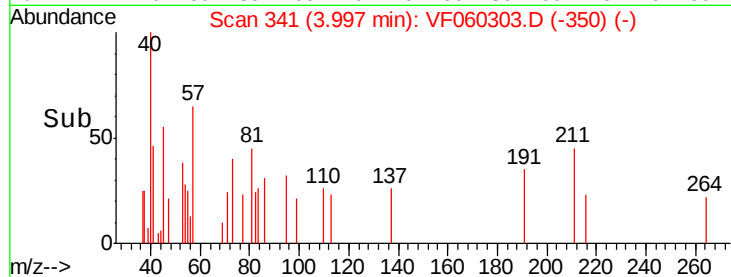
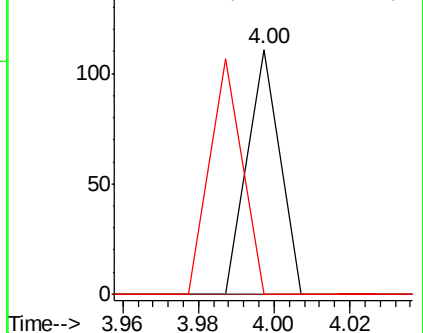
192 0.0 13.0 19.6#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 81.442 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.20 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

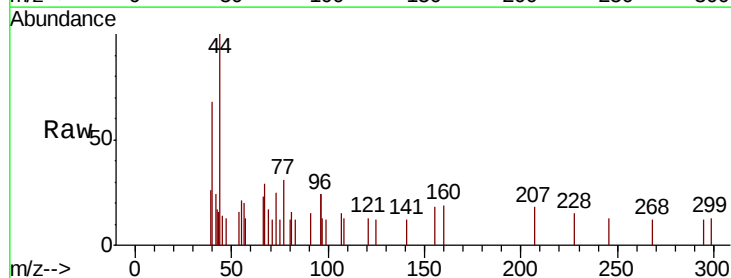
Tgt Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.2#

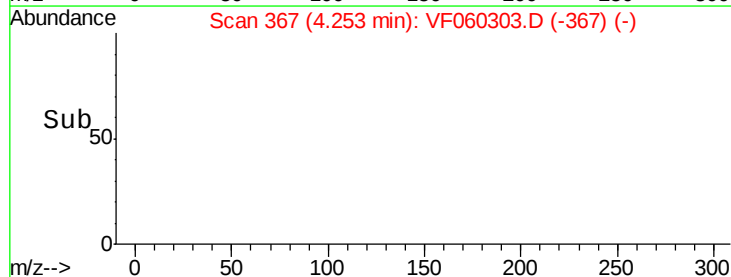
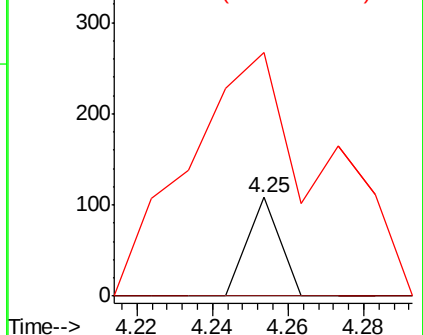
77 247.2 27.3 40.9#

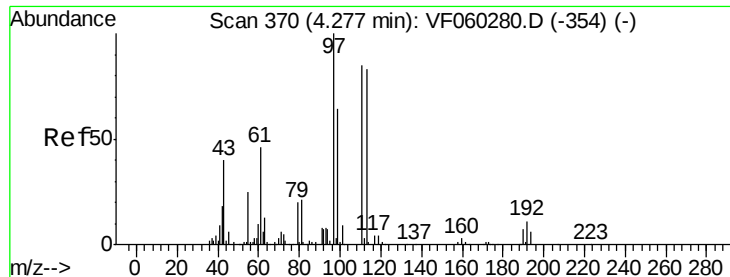


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 1115.758 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.20 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

LS-SOIL-C

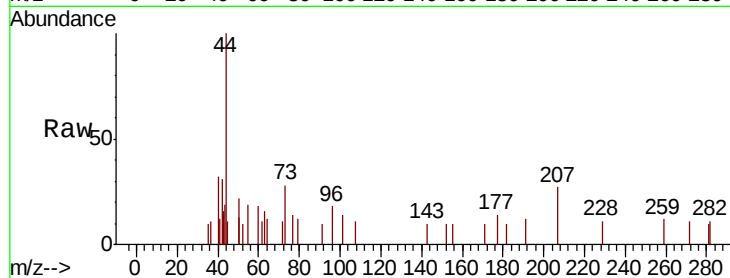
Tot Ion: 43 Resp: 371

Ion Ratio Lower Upper

43 100

61 0.0 91.1 136.7#

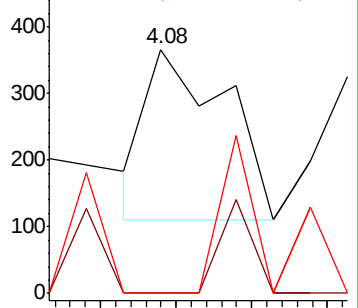
70 0.0 6.9 10.3#



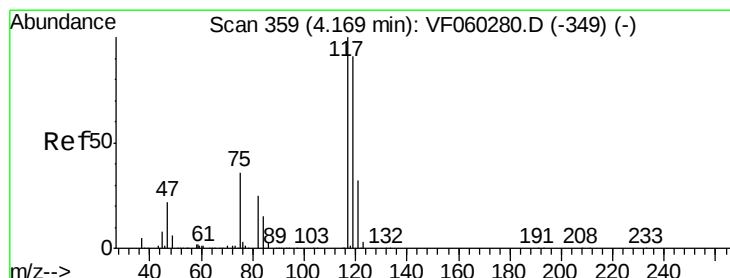
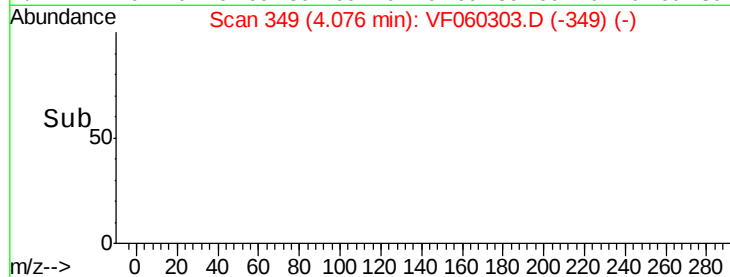
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#38

Carbon Tetrachloride

Concen: 99.517 ug/l

RT: 3.92 min Scan# 333

Delta R.T. -0.25 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

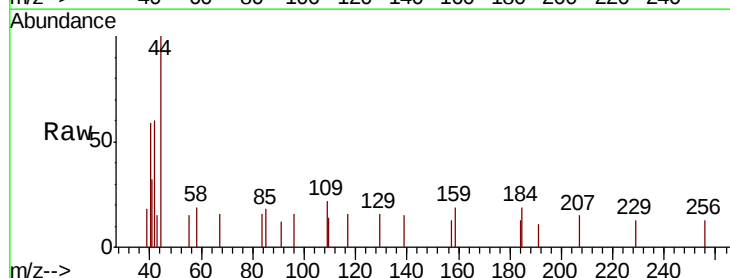
Tgt Ion: 117 Resp: 84

Ion Ratio Lower Upper

117 100

119 0.0 73.0 109.6#

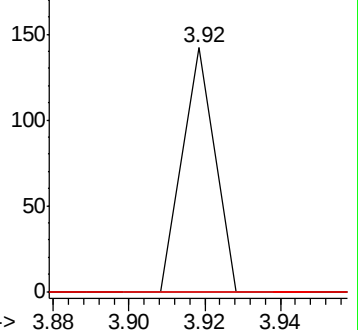
121 0.0 25.4 38.2#



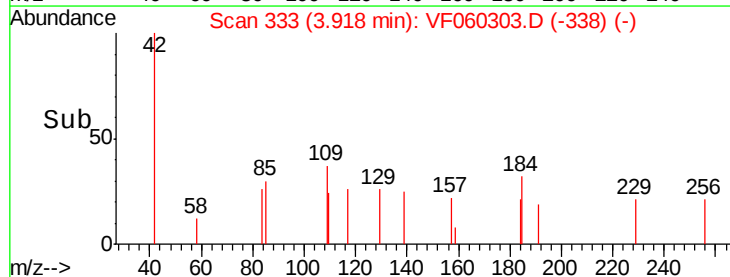
Abundance Ion 117.00 (116.70 to 117.70): V

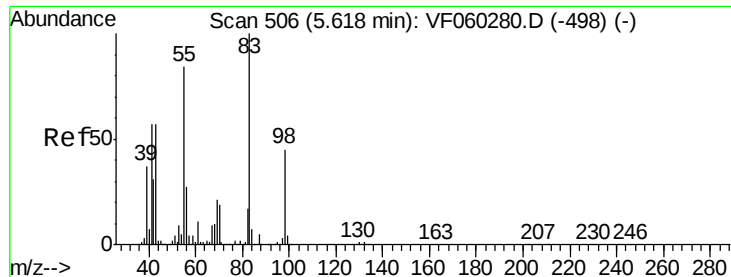
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



Time-->

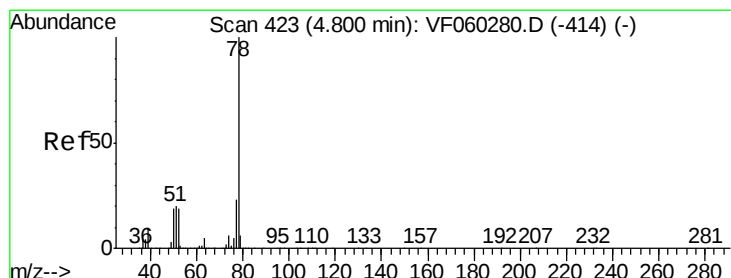
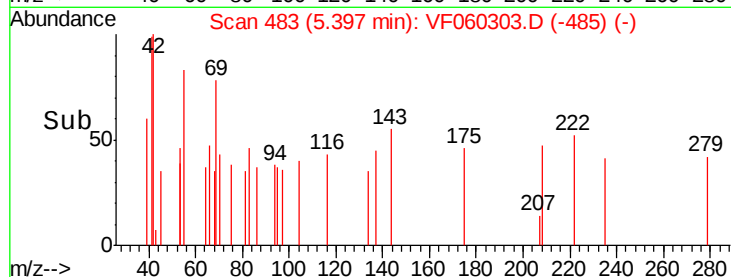
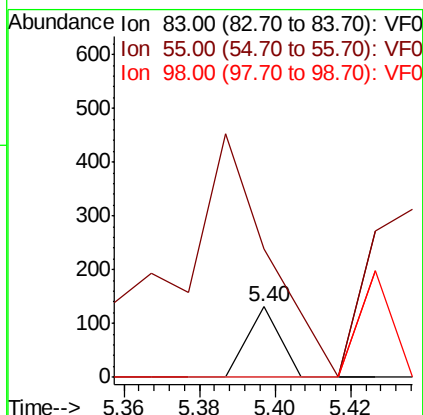
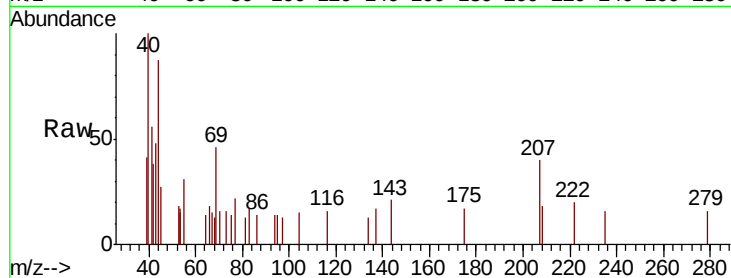




#39
Methvlcvclohexane
Concen: 90.408 ug/l
RT: 5.40 min Scan# 483
Delta R.T. -0.22 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

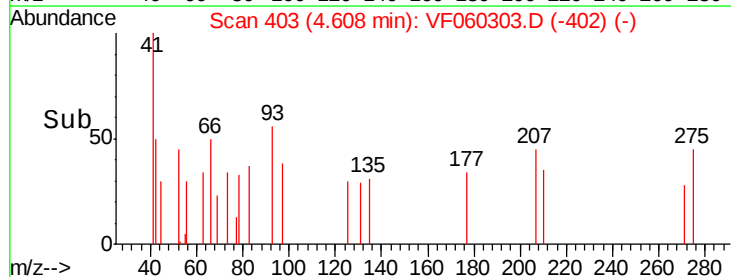
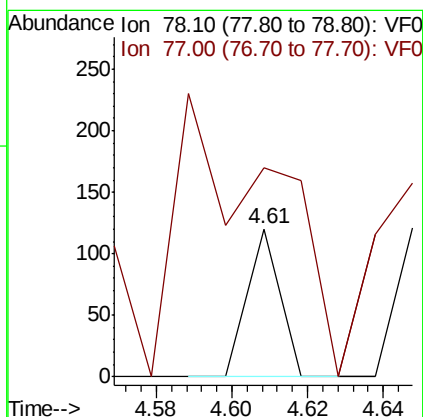
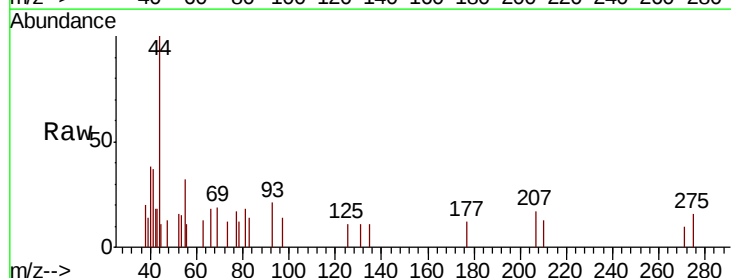
Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-C

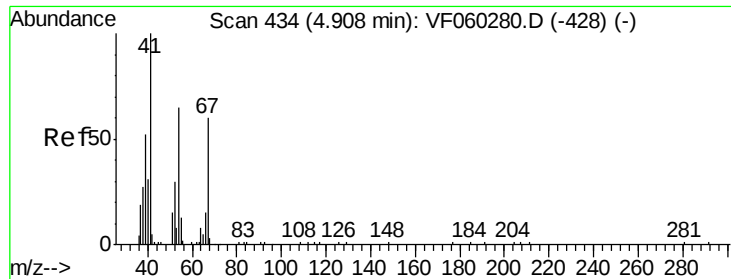
Tot Ion: 83.00 Resp: 77
Ion Ratio Lower Upper
83 100
55 181.7 67.3 100.9#
98 0.0 36.1 54.1#



#40
Benzene
Concen: 39.846 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.19 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion: 78 Resp: 71
Ion Ratio Lower Upper
78 100
77 141.7 18.4 27.6#





#41

Methacrylonitrile

Concen: 4566.952 ug/l

RT: 4.69 min Scan# 411

Delta R.T. -0.22 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

LS-SOIL-C

Tot Ion: 41 Resp: 824

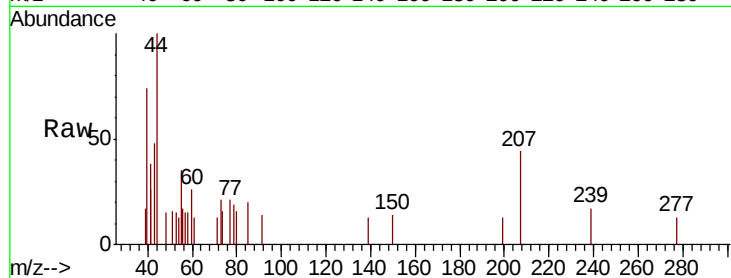
Ion Ratio Lower Upper

41 100

39 26.4 49.1 73.7#

67 0.0 48.2 72.4#

52 0.0 35.8 53.8#

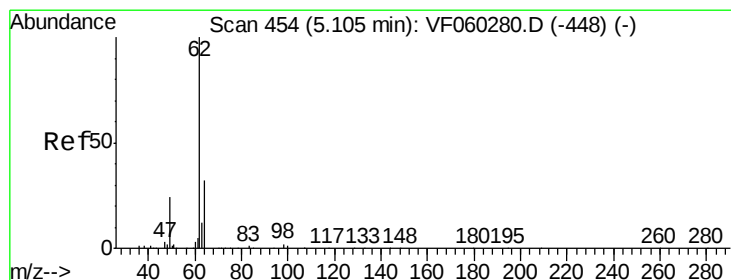
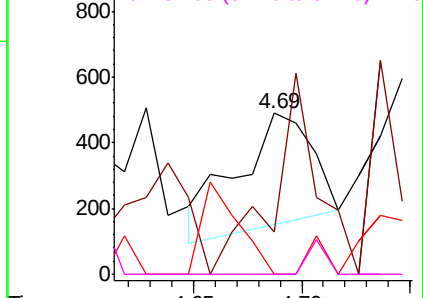
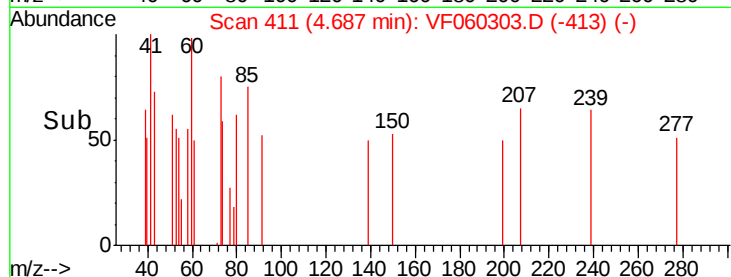


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#42

1,2-Dichloroethane

Concen: 96.056 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.18 min

Lab File: VF060303.D

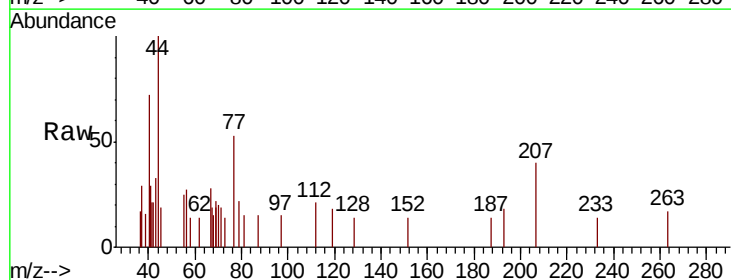
Acq: 20 Sep 2018 17:59

Tgt Ion: 62 Resp: 63

Ion Ratio Lower Upper

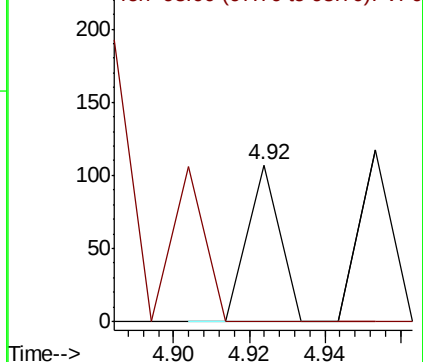
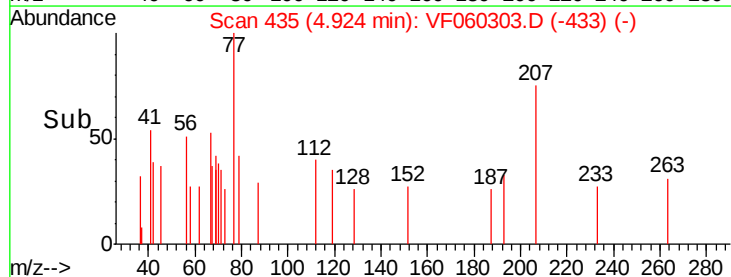
62 100

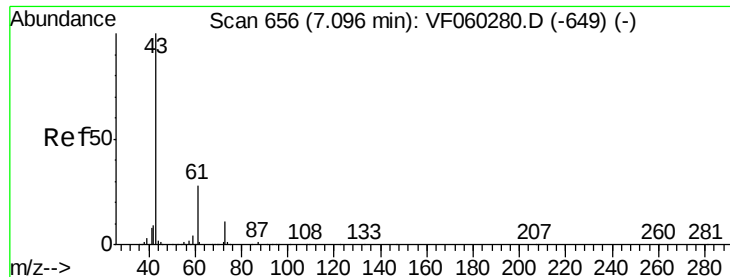
98 0.0 0.0 14.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 1184.123 ug/l

RT: 6.76 min Scan# 621

Delta R.T. -0.34 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-C

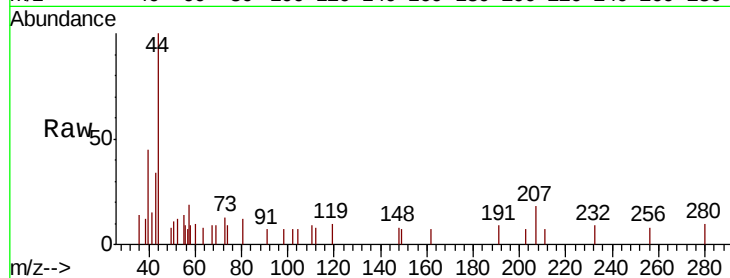
Tot Ion: 43 Resp: 474

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 0.6 0.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

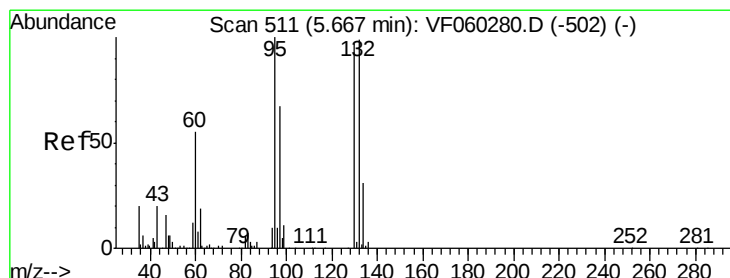
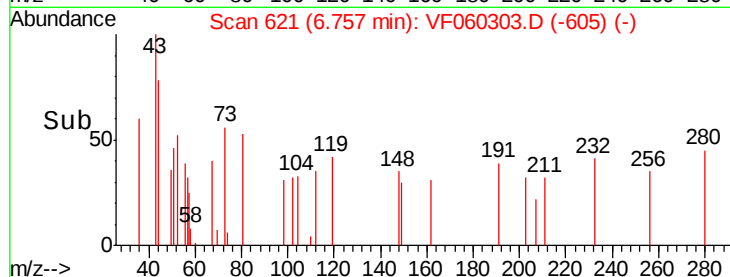
Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

6.76

6.74

Time-->



#44

Trichloroethene

Concen: 113.143 ug/l

RT: 5.48 min Scan# 491

Delta R.T. -0.19 min

Lab File: VF060303.D

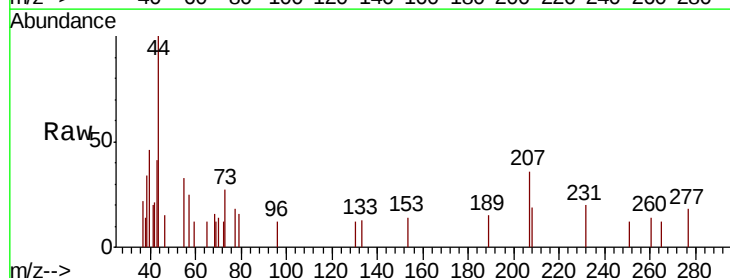
Acq: 20 Sep 2018 17:59

Tgt Ion:130 Resp: 60

Ion Ratio Lower Upper

130 100

95 0.0 0.0 205.6



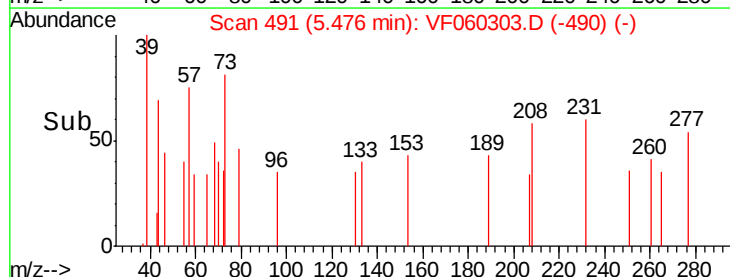
Abundance Ion 129.90 (129.60 to 130.60): V

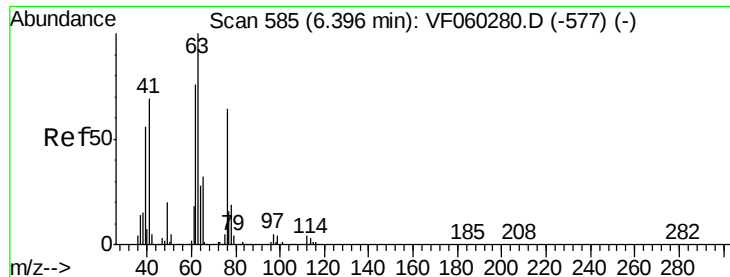
Ion 94.90 (94.60 to 95.60): VF0

5.48

5.44

Time-->





#45

1,2-Dichloropropane

Concen: 472.722 ug/l

RT: 6.05 min Scan# 549

Delta R.T. -0.35 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

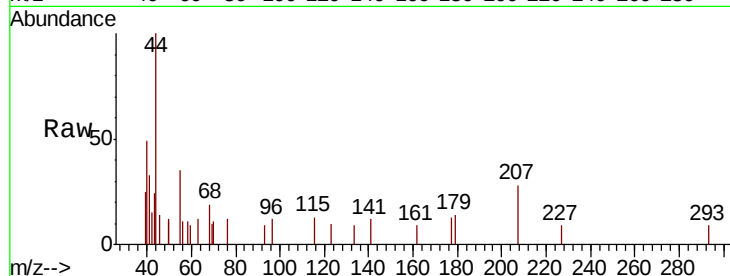
LS-SOIL-C

Tot Ion: 63 Resp: 218

Ion Ratio Lower Upper

63 100

65 0.0 26.2 39.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

250

200

150

100

50

0

6.00 6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

6.05

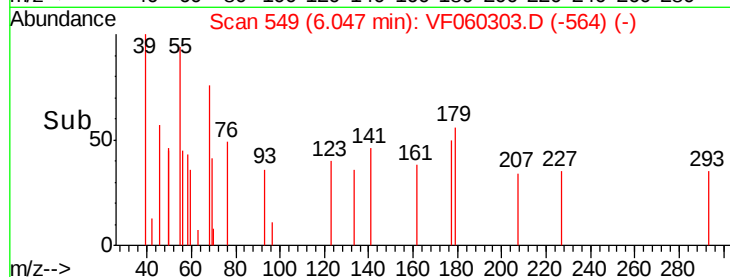
6.05

6.05

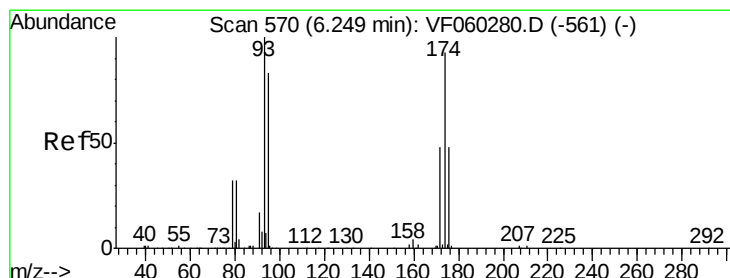
6.05

6.05

6.05



Time-->



#46

Dibromomethane

Concen: 203.254 ug/l

RT: 5.95 min Scan# 539

Delta R.T. -0.30 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

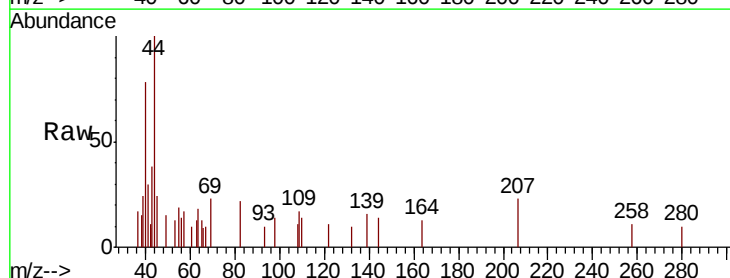
Tgt Ion: 93 Resp: 67

Ion Ratio Lower Upper

93 100

95 0.0 67.0 100.6#

174 0.0 74.8 112.2#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

200

150

100

50

0

5.92 5.94 5.96 5.98

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

5.95

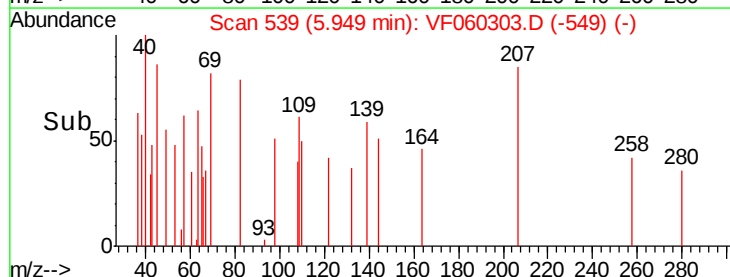
5.95

5.95

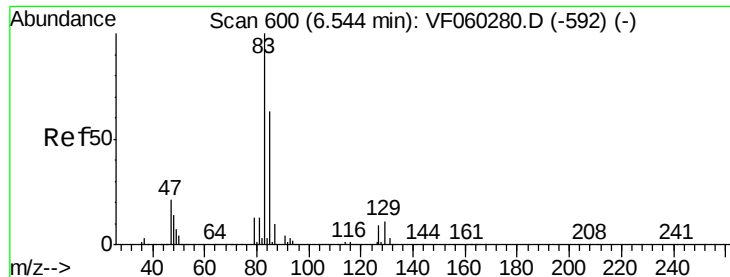
5.95

5.95

5.95



Time-->



#47

Bromodichloromethane

Concen: 340.838 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.30 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleID :

LS-SOIL-C

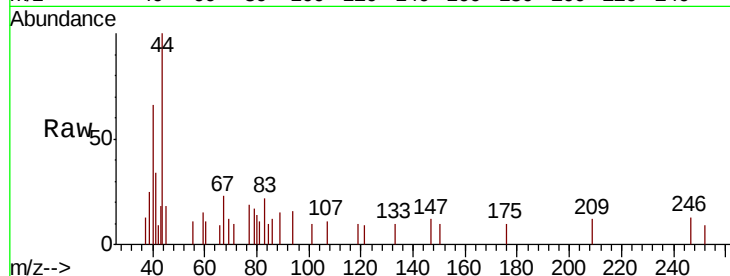
Tot Ion: 83 Resp: 270

Ion Ratio Lower Upper

83 100

85 0.0 50.6 76.0#

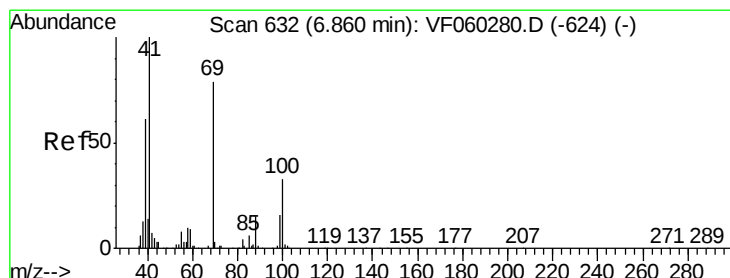
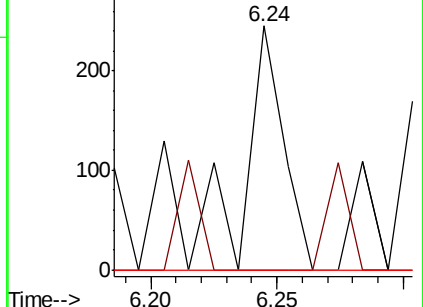
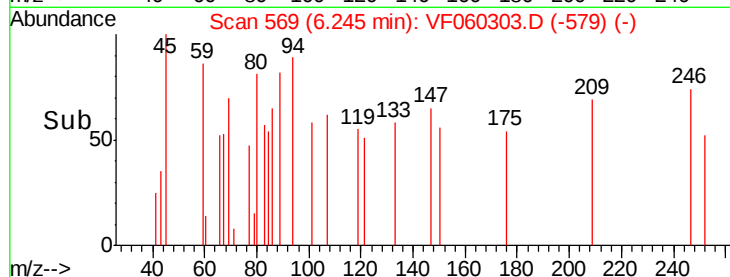
127 0.0 7.1 10.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 1693.973 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.33 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

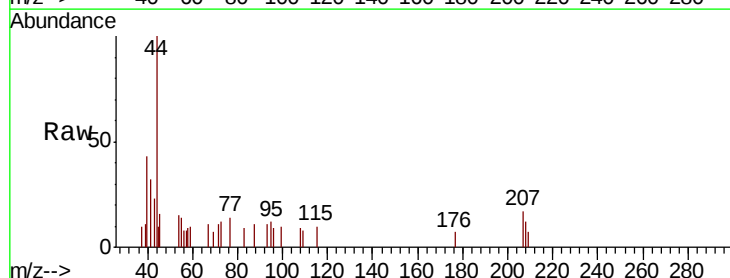
Tgt Ion: 41 Resp: 476

Ion Ratio Lower Upper

41 100

69 21.7 62.6 94.0#

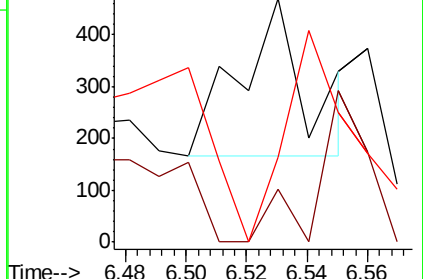
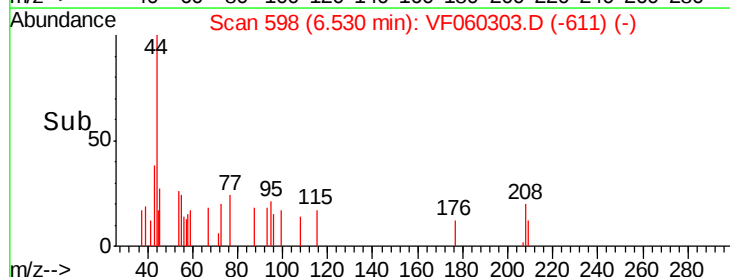
39 34.7 49.1 73.7#

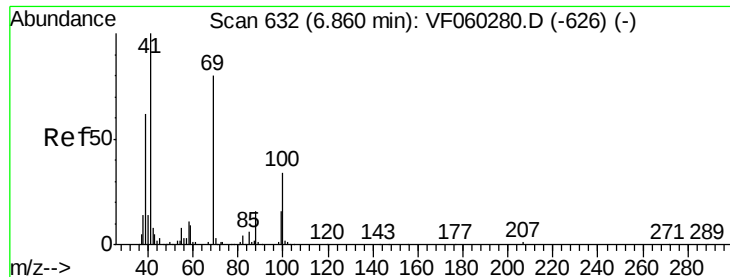


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 99585.528 ug/l

RT: 6.56 min Scan# 601

Delta R.T. -0.30 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-C

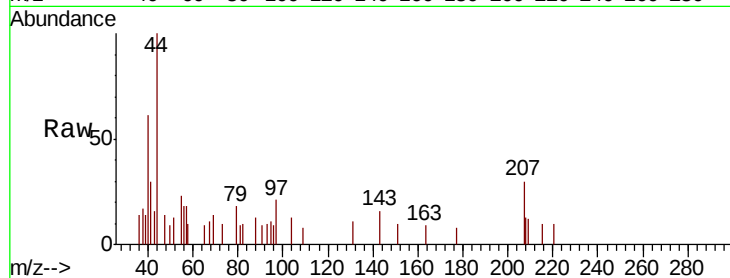
Tot Ion: 88 Resp: 250

Ion Ratio Lower Upper

88 100

43 119.1 40.2 60.4#

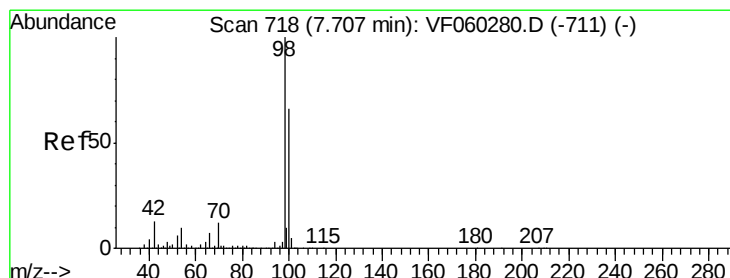
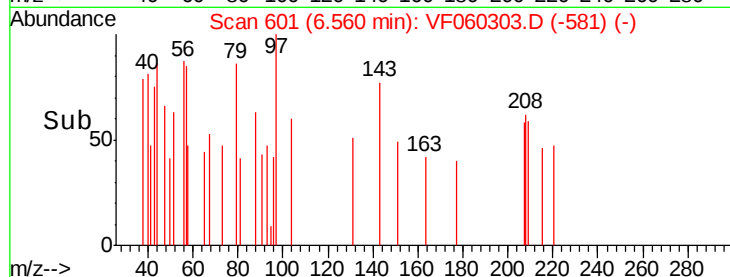
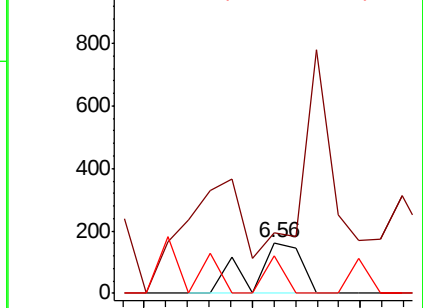
58 74.7 56.7 85.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.230 ug/l

RT: 7.40 min Scan# 686

Delta R.T. -0.31 min

Lab File: VF060303.D

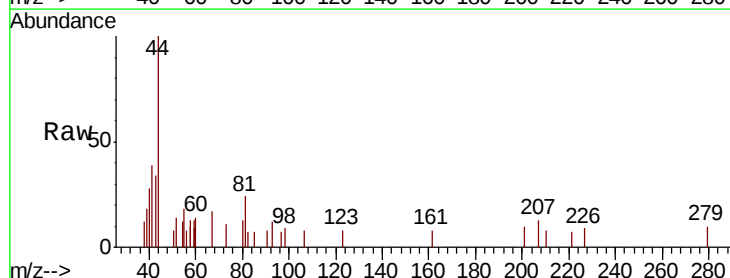
Acq: 20 Sep 2018 17:59

Tgt Ion: 98 Resp: 72

Ion Ratio Lower Upper

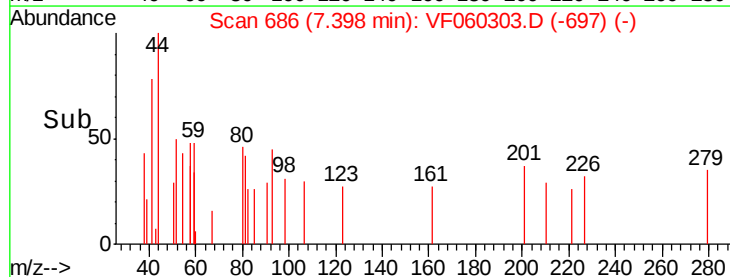
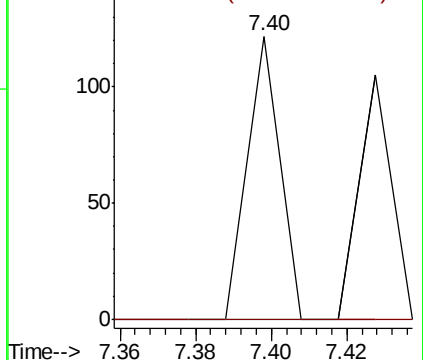
98 100

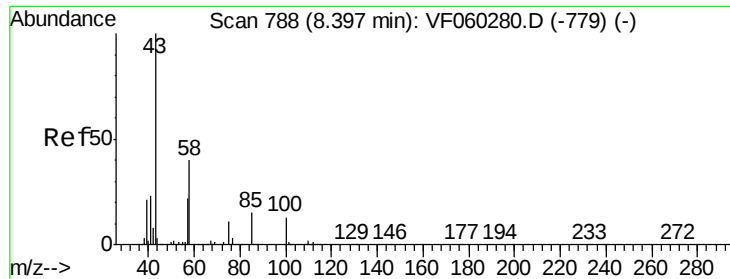
100 0.0 53.0 79.6#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 554.252 ug/l

RT: 8.01 min Scan# 748

Delta R.T. -0.39 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

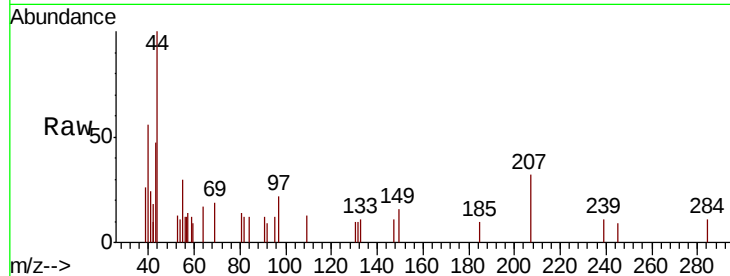
LS-SOIL-C

Tot Ion: 43 Resp: 171

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.01

500

400

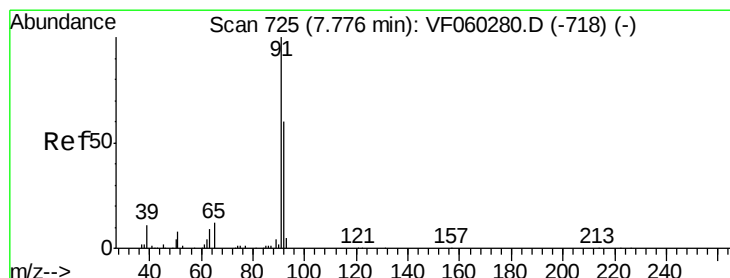
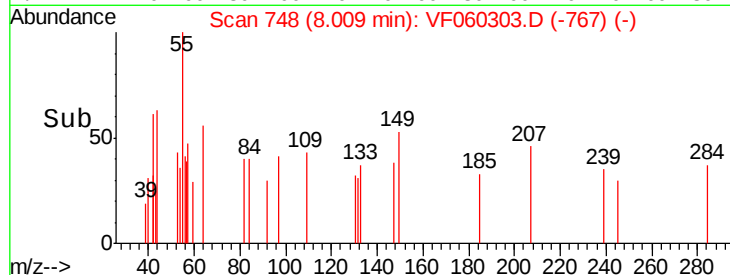
300

200

100

0

Time-->



#52

Toluene

Concen: 63.871 ug/l

RT: 7.47 min Scan# 693

Delta R.T. -0.31 min

Lab File: VF060303.D

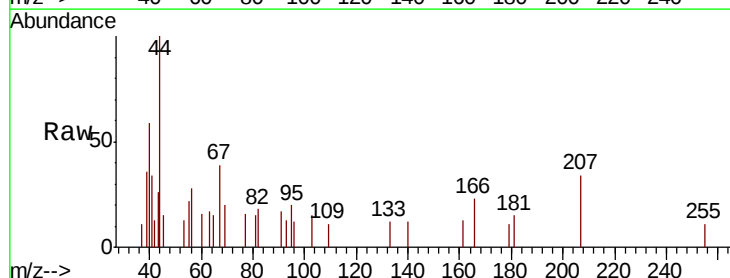
Acq: 20 Sep 2018 17:59

Tgt Ion: 92 Resp: 72

Ion Ratio Lower Upper

92 100

91 135.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300

250

200

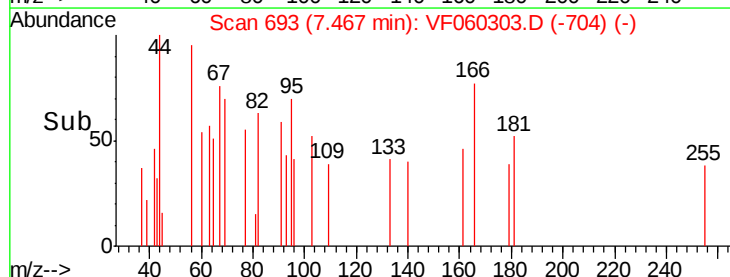
150

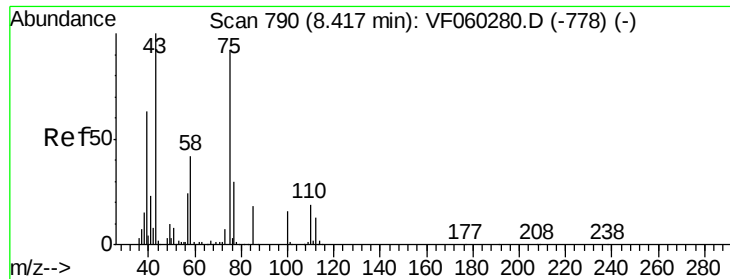
100

50

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 103.289 ug/l

RT: 8.02 min Scan# 749

Delta R.T. -0.40 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleID :

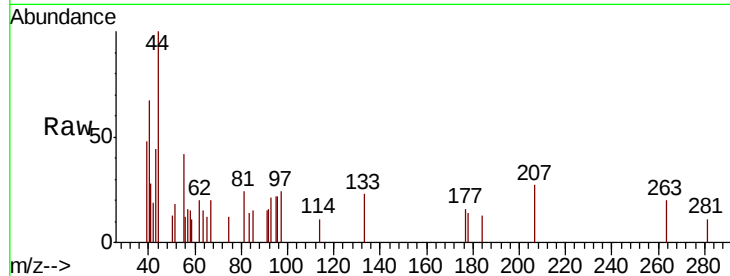
LS-SOIL-C

Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

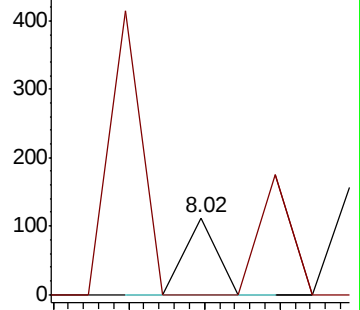
75 100

77 0.0 25.9 38.9#

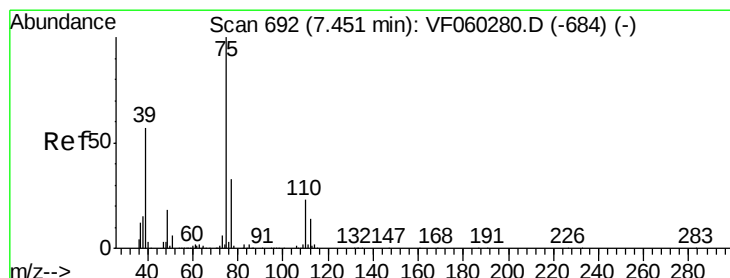
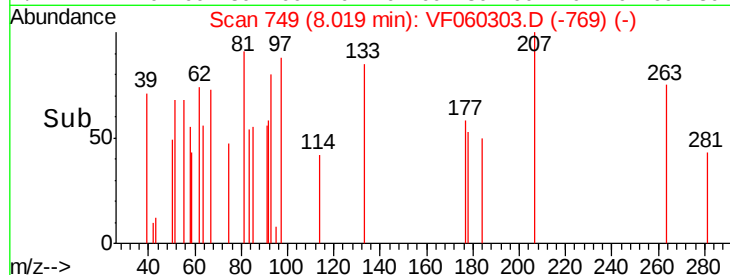


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 79.506 ug/l

RT: 7.13 min Scan# 659

Delta R.T. -0.32 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

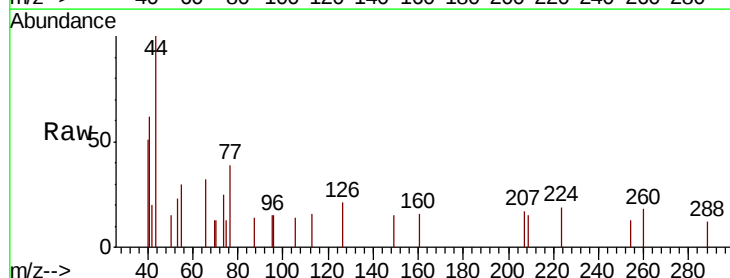
Tgt Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#

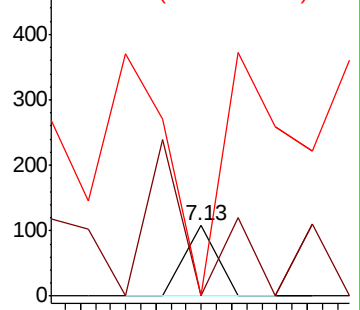
39 0.0 46.1 69.1#



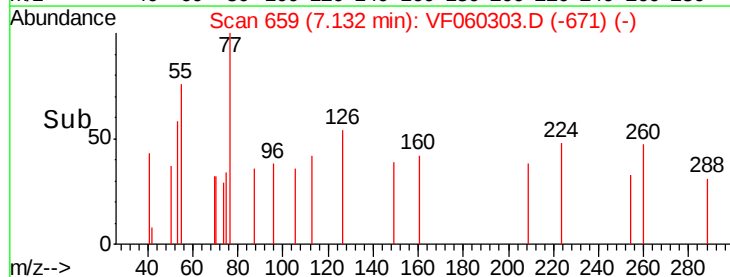
Abundance Ion 75.00 (74.70 to 75.70): VF0

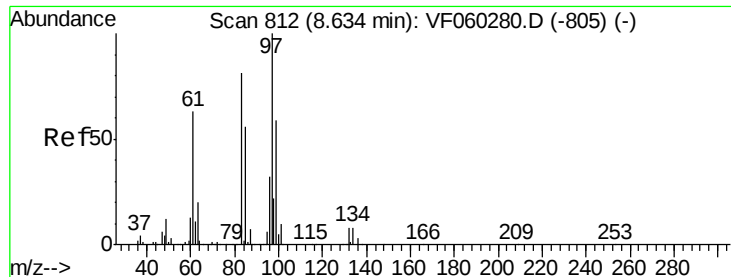
Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->





#55

1,1,2-Trichloroethane

Concen: 268.901 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.40 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

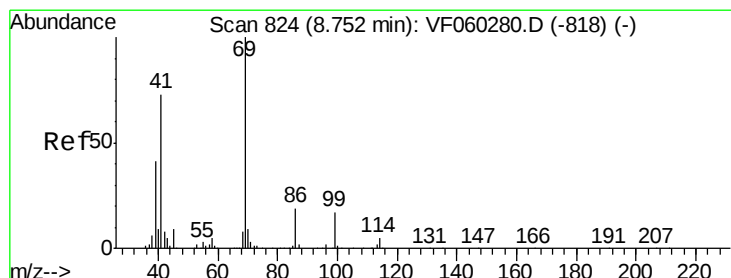
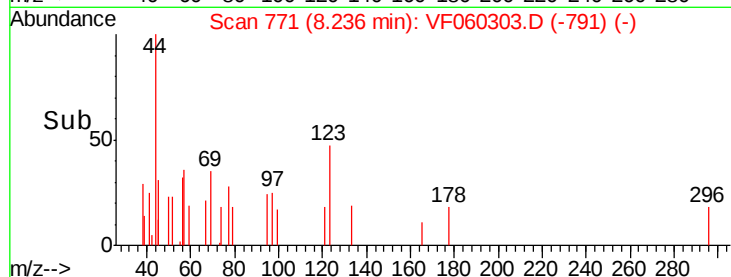
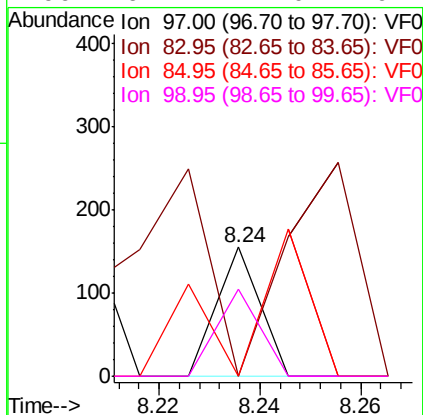
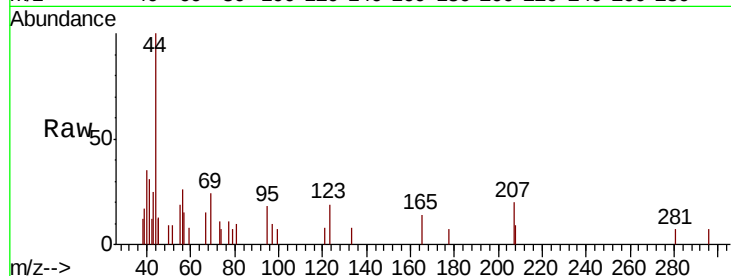
Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-C

Tot Ion:	97	Resp:	92
Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.3	97.9#
85	0.0	44.7	67.1#
99	67.1	47.0	70.4



#56

Ethyl methacrylate

Concen: 1139.870 ug/l

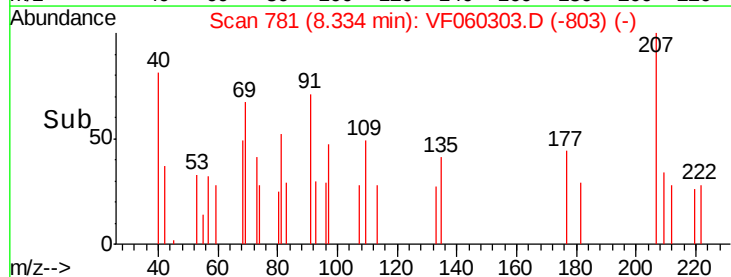
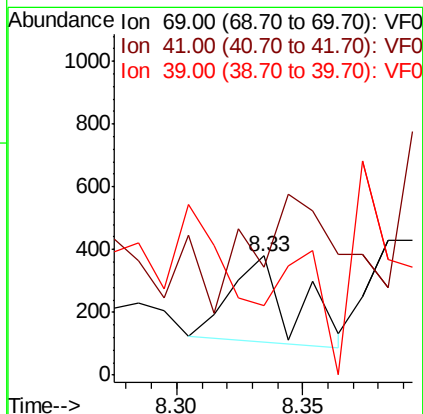
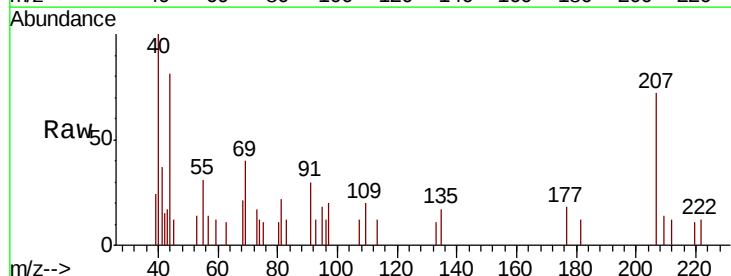
RT: 8.33 min Scan# 781

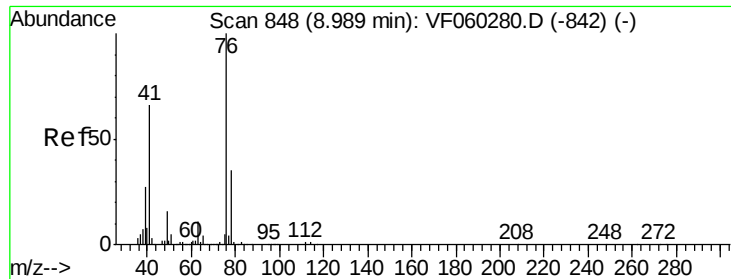
Delta R.T. -0.42 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Tgt Ion:	69	Resp:	471
Ion	Ratio	Lower	Upper
69	100		
41	91.1	59.4	89.2#
39	58.7	33.5	50.3#





#57

1,3-Dichloropropane

Concen: 123.566 ug/l

RT: 8.45 min Scan# 793

Delta R.T. -0.54 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

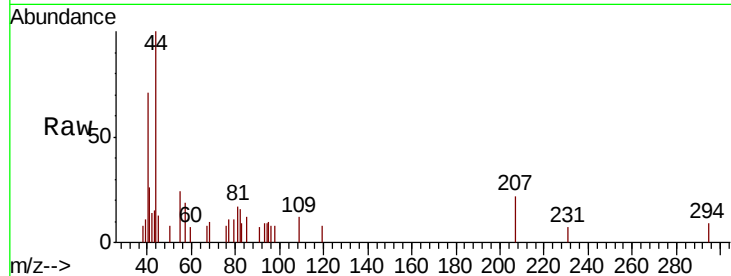
LS-SOIL-C

Tot Ion: 76 Resp: 70

Ion Ratio Lower Upper

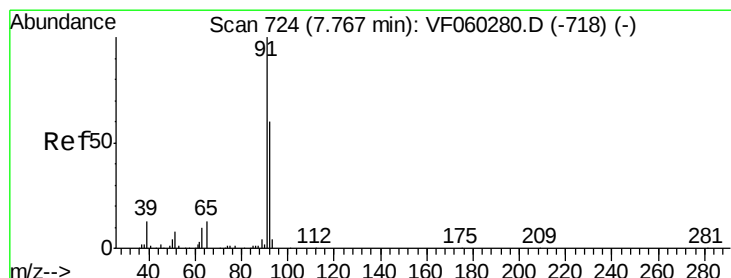
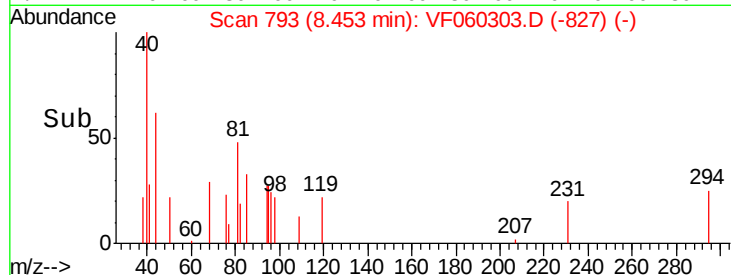
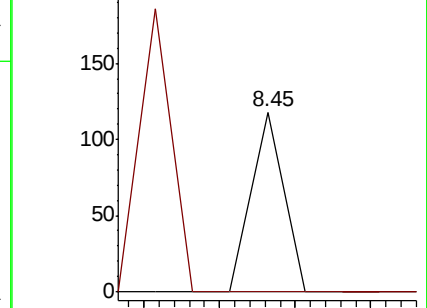
76 100

78 0.0 28.2 42.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2162.689 ug/l

RT: 7.44 min Scan# 690

Delta R.T. -0.33 min

Lab File: VF060303.D

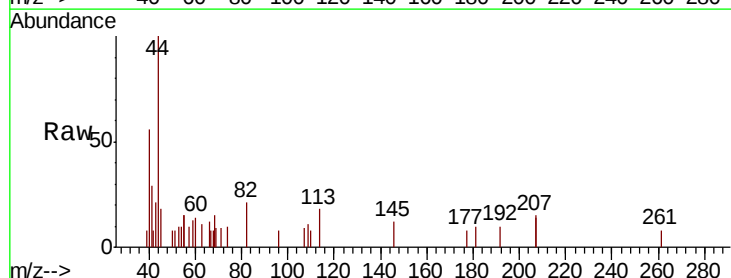
Acq: 20 Sep 2018 17:59

Tgt Ion: 63 Resp: 79

Ion Ratio Lower Upper

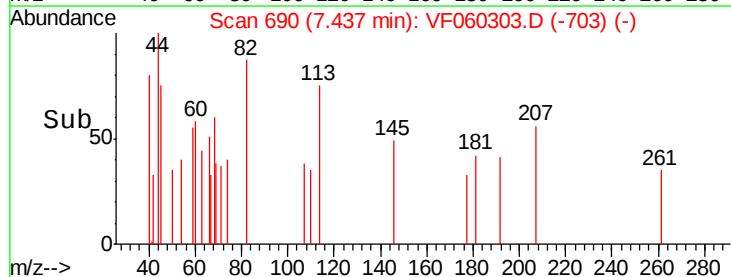
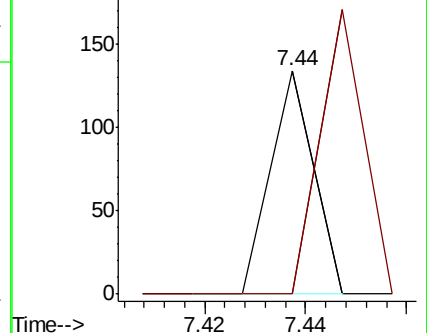
63 100

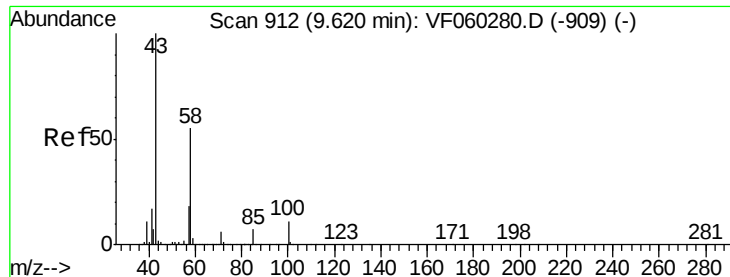
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

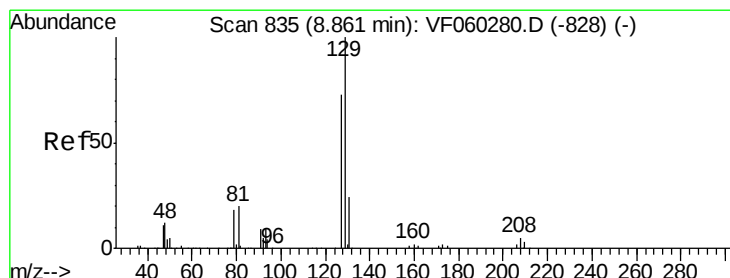
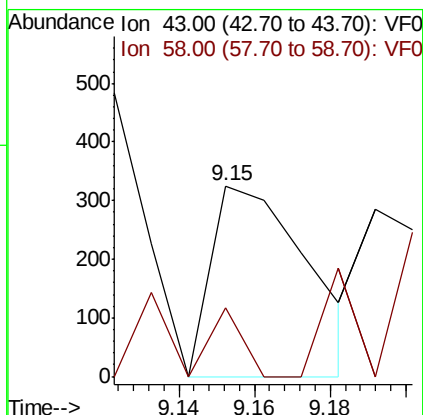
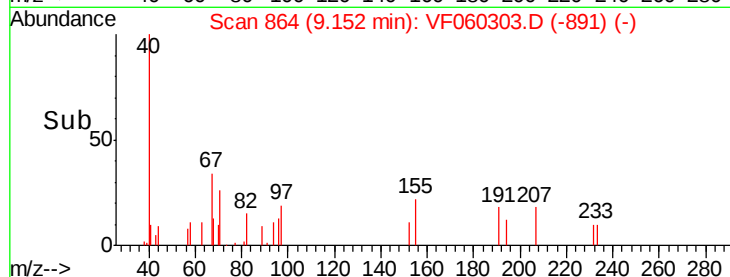
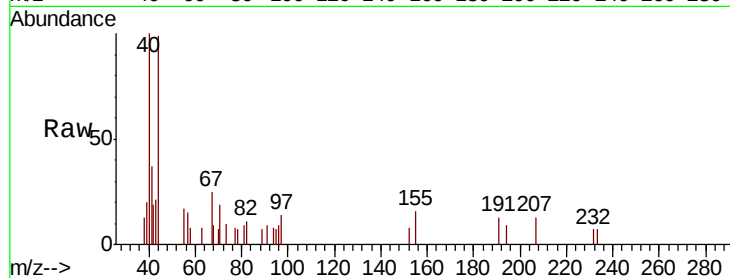




#59
2-Hexanone
Concen: 2585.680 ug/l
RT: 9.15 min Scan# 864
Delta R.T. -0.47 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

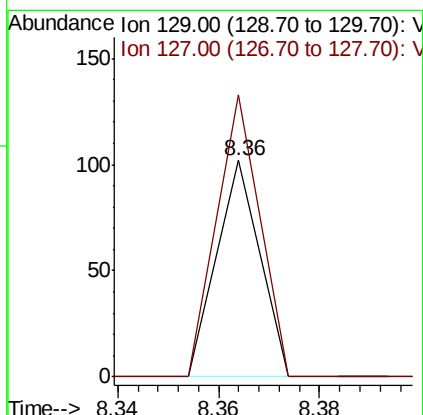
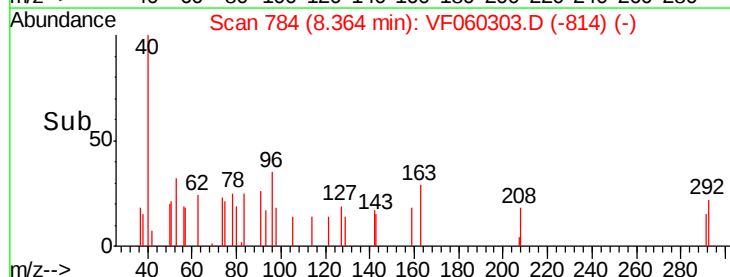
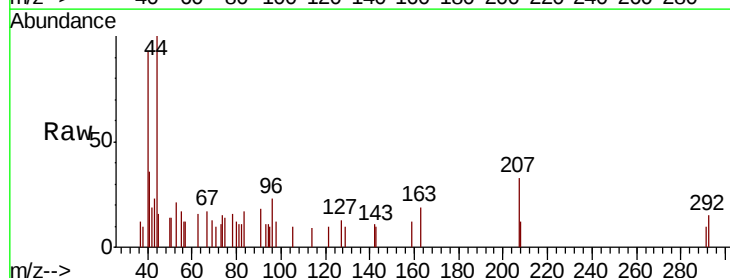
Instrument :
MSVOA_F
ClientSampled :
LS-SOIL-C

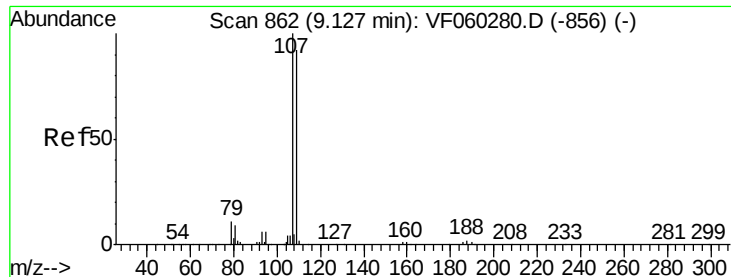
Tot Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
58 36.3 25.9 77.6



#60
Dibromochloromethane
Concen: 117.662 ug/l
RT: 8.36 min Scan# 784
Delta R.T. -0.50 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion: 129 Resp: 60
Ion Ratio Lower Upper
129 100
127 130.4 36.6 109.8#





#61

1,2-Dibromoethane

Concen: 202.105 ug/l

RT: 8.67 min Scan# 815

Delta R.T. -0.46 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

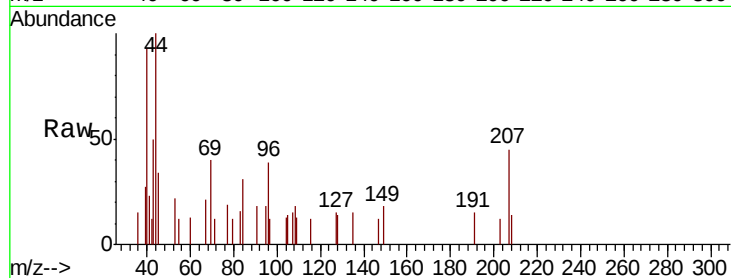
LS-SOIL-C

Tot Ion: 107 Resp: 77

Ion Ratio Lower Upper

107 100

109 84.0 73.2 109.8

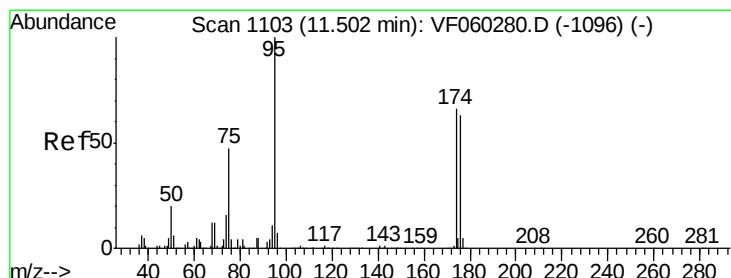
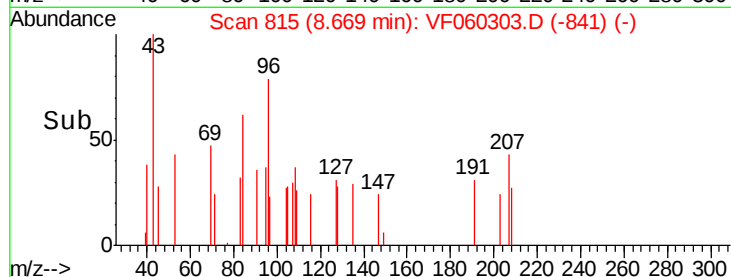


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.67

Time-->



#62

4-Bromofluorobenzene

Concen: 1200.562 ug/l

RT: 11.01 min Scan# 1052

Delta R.T. -0.50 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

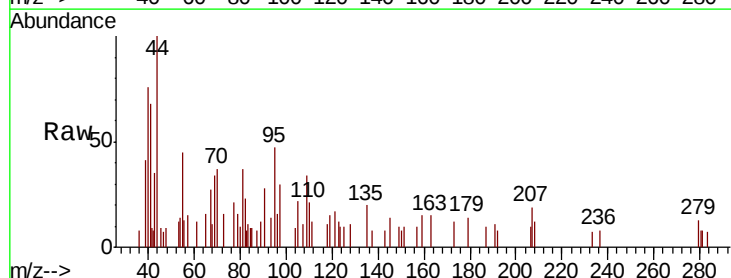
Tgt Ion: 95 Resp: 759

Ion Ratio Lower Upper

95 100

174 0.0 0.0 131.2

176 0.0 0.0 126.6



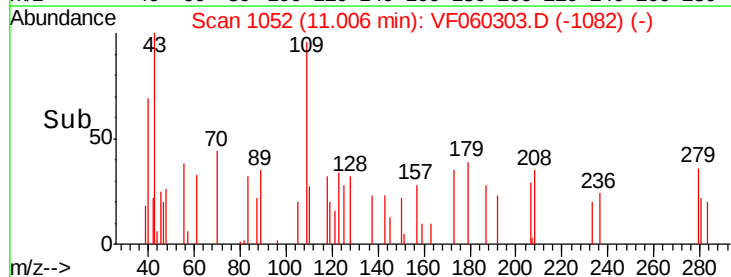
Abundance Ion 95.00 (94.70 to 95.70): VF0

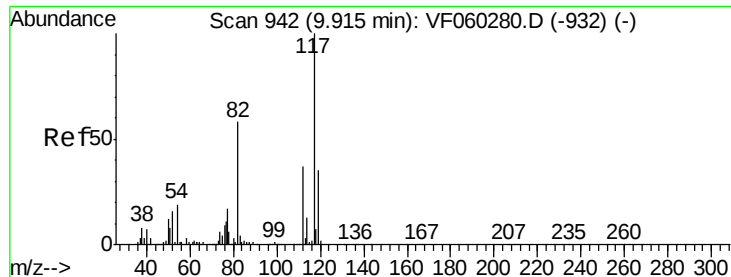
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.01

Time-->

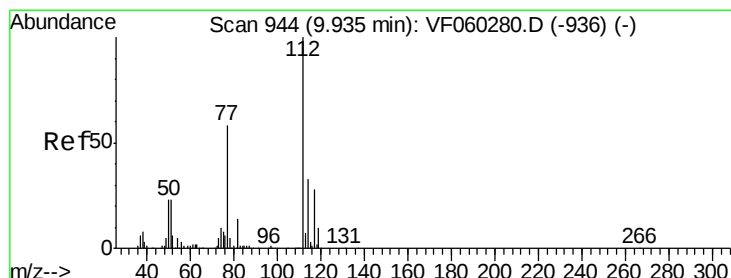
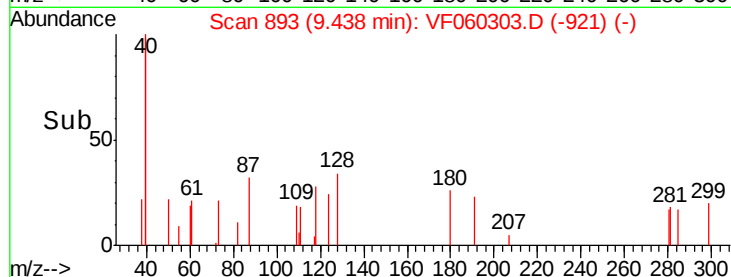
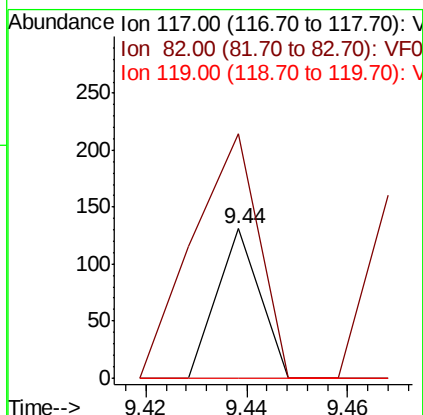
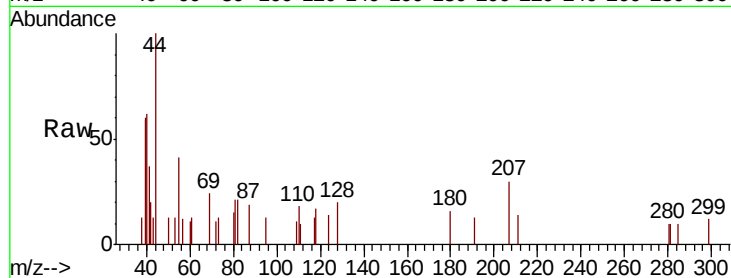




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.44 min Scan# 893
Delta R.T. -0.48 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

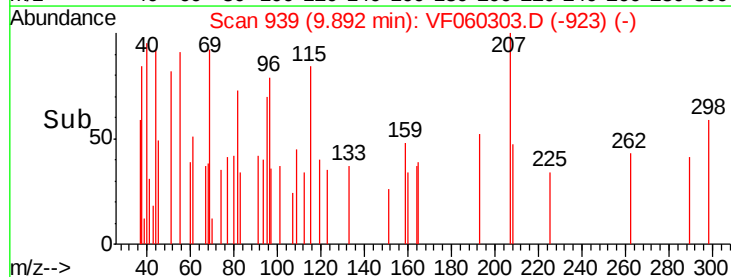
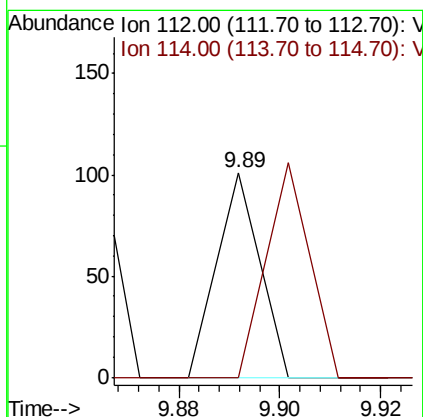
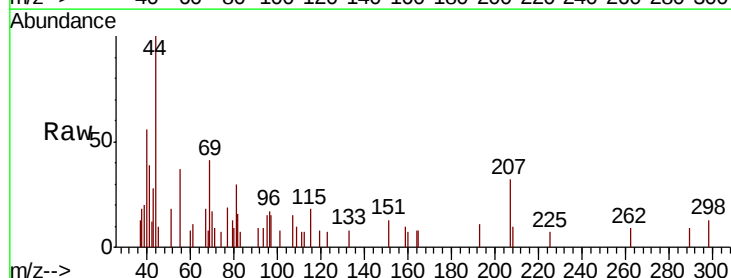
Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-C

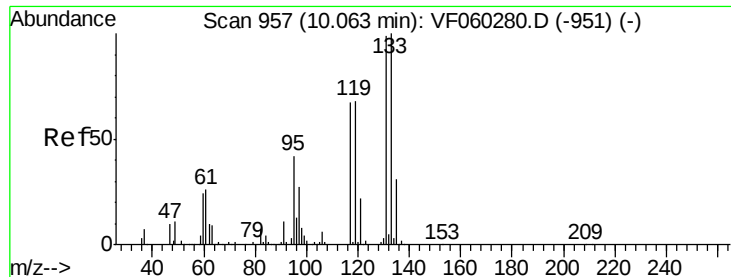
Tot Ion:117 Resp: 77
Ion Ratio Lower Upper
117 100
82 163.4 46.2 69.2#
119 0.0 27.8 41.6#



#65
Chlorobenzene
Concen: 34.381 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.04 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion:112 Resp: 60
Ion Ratio Lower Upper
112 100
114 0.0 26.6 40.0#





#66

1,1,1,2-Tetrachloroethane

Concen: 118.746 ug/l

RT: 10.05 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-C

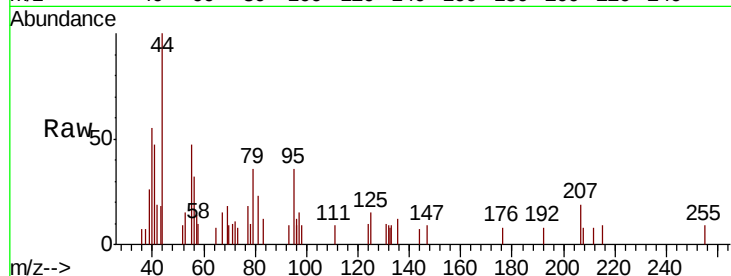
Tot Ion:131 Resp: 86

Ion Ratio Lower Upper

131 100

133 89.0 50.4 151.2

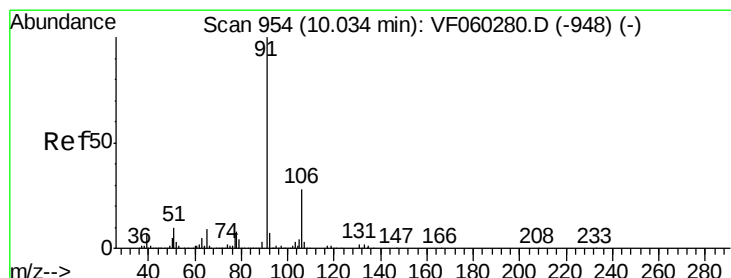
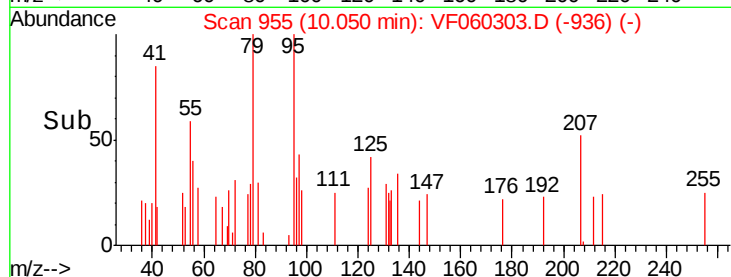
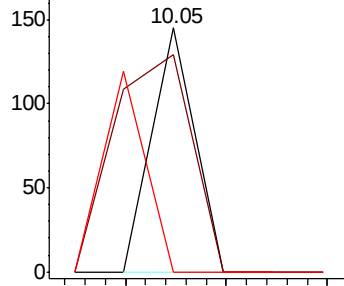
119 0.0 34.8 104.3#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 131.403 ug/l

RT: 10.02 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060303.D

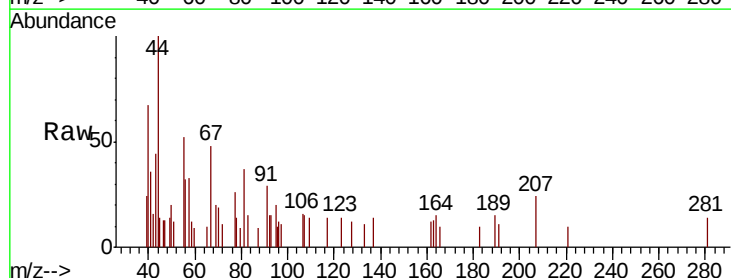
Acq: 20 Sep 2018 17:59

Tgt Ion: 91 Resp: 424

Ion Ratio Lower Upper

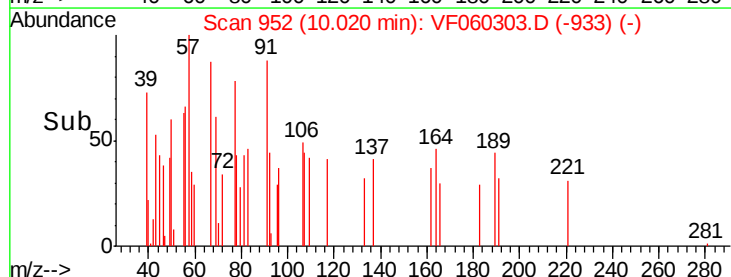
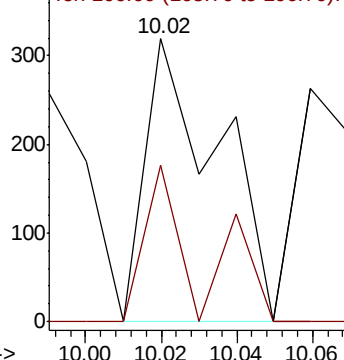
91 100

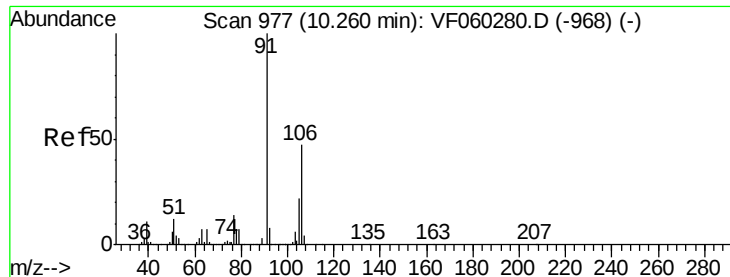
106 55.5 22.7 34.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

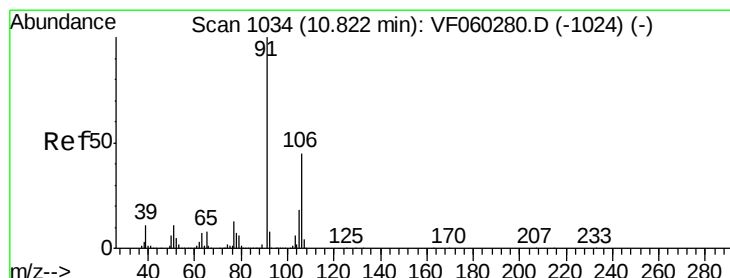
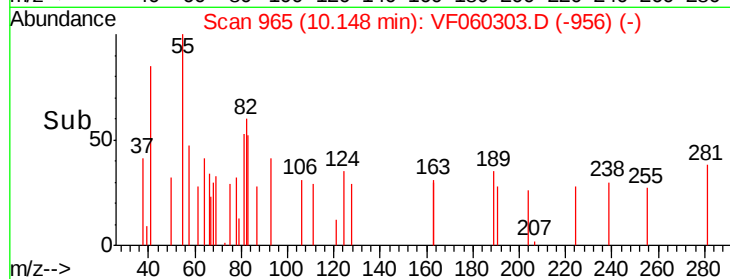
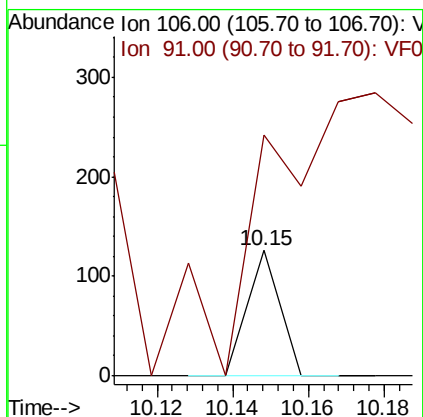
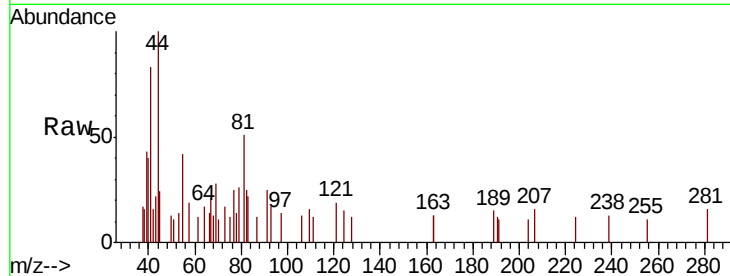




#68
m/p-Xylenes
Concen: 67.277 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.11 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

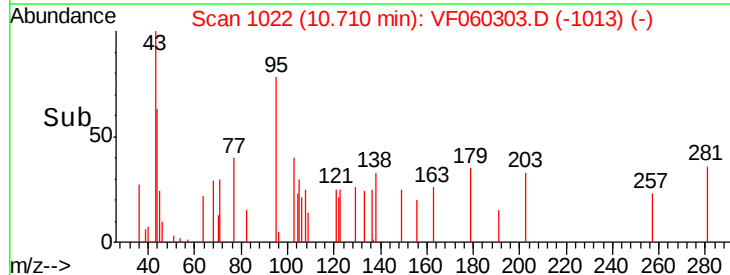
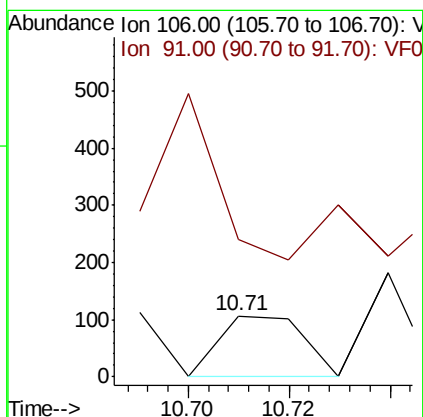
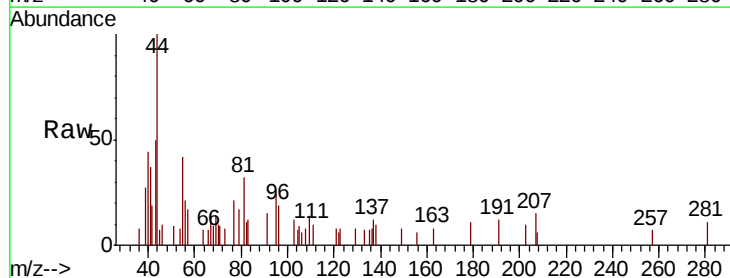
Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-C

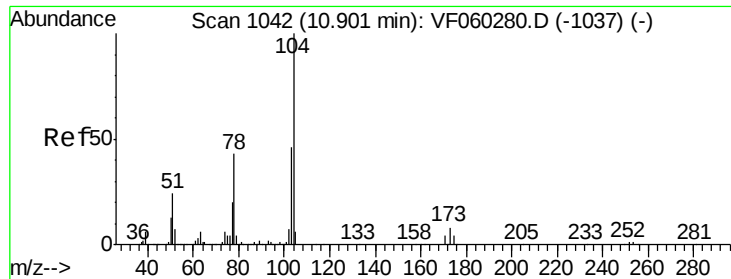
Tot Ion:106 Resp: 75
Ion Ratio Lower Upper
106 100
91 192.1 172.3 258.5



#69
o-Xylene
Concen: 97.570 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.11 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion:106 Resp: 122
Ion Ratio Lower Upper
106 100
91 226.4 110.9 332.6

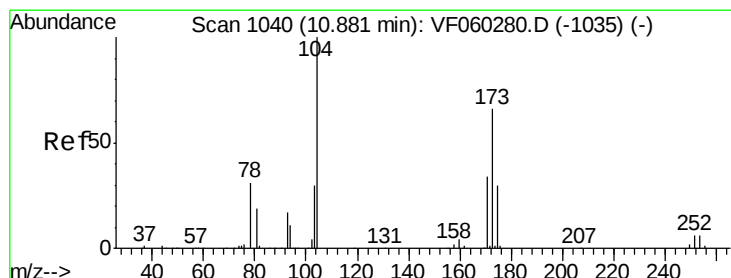
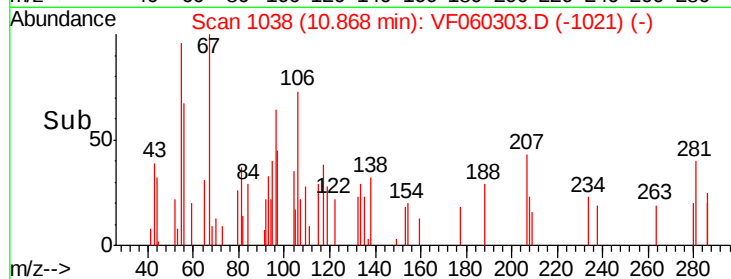
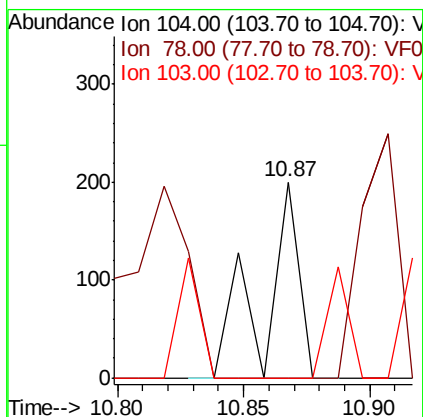
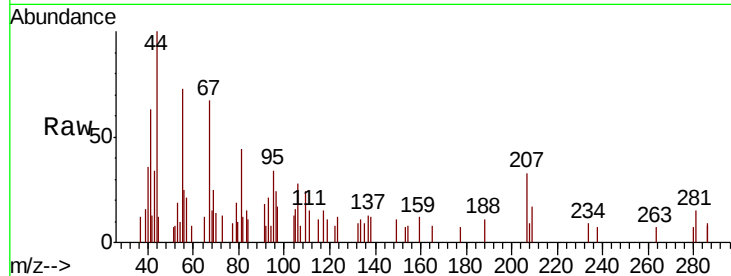




#70
Stvrene
Concen: 110.016 ug/l
RT: 10.87 min Scan# 1038
Delta R.T. -0.03 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

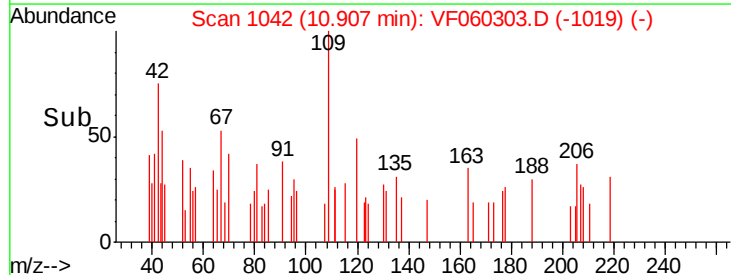
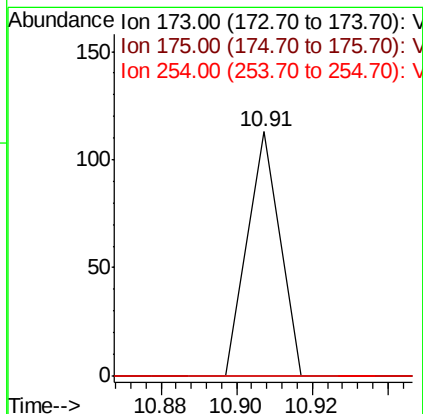
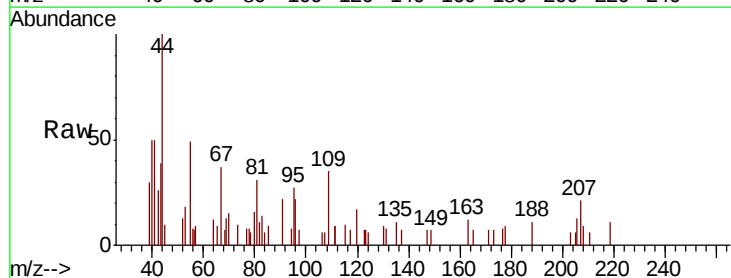
Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-C

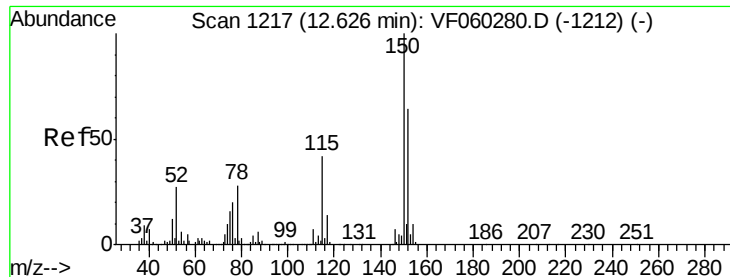
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	35.0	52.6#
103	0.0	37.4	56.0#



#71
Bromoform
Concen: 168.447 ug/l
RT: 10.91 min Scan# 1042
Delta R.T. 0.03 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	22.3	66.9#
254	0.0	0.0	0.0



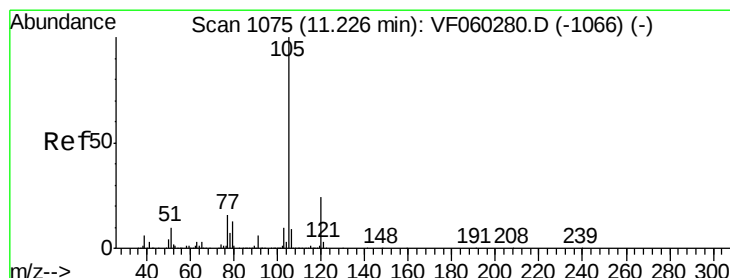
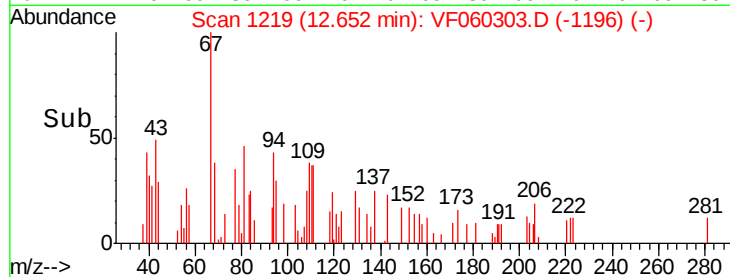
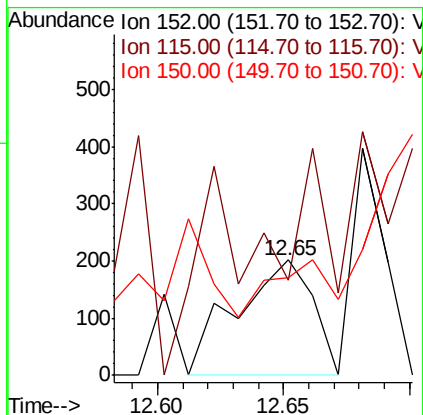
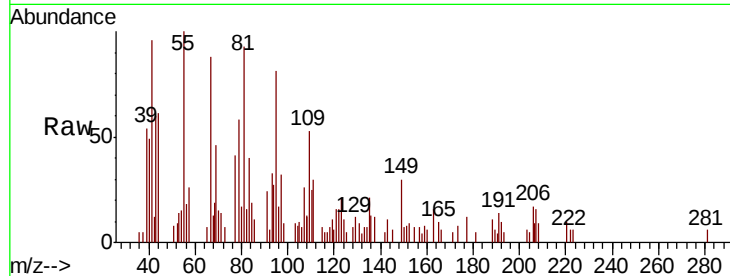


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.65 min Scan# 1219
Delta R.T. 0.03 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-C

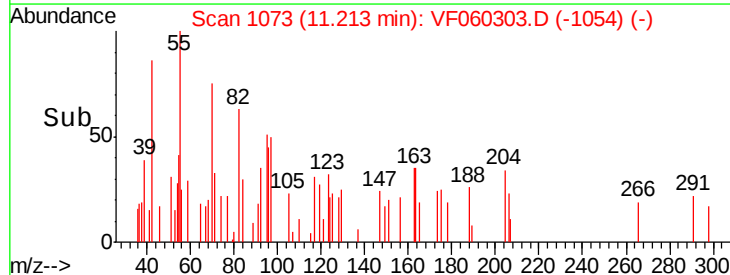
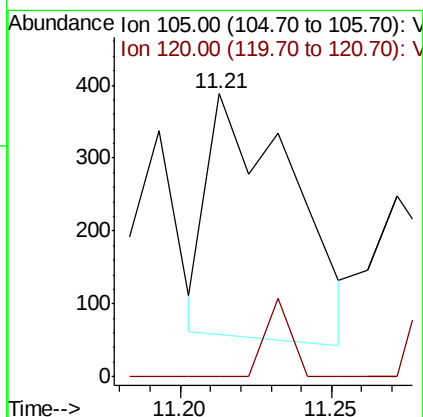
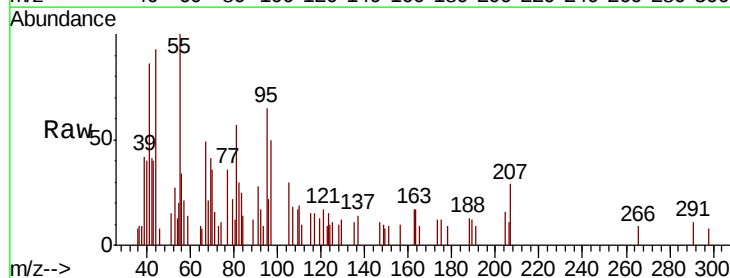
Tot Ion:152 Resp: 428
Ion Ratio Lower Upper
152 100
115 82.6 32.6 97.8
150 85.1 0.0 314.2

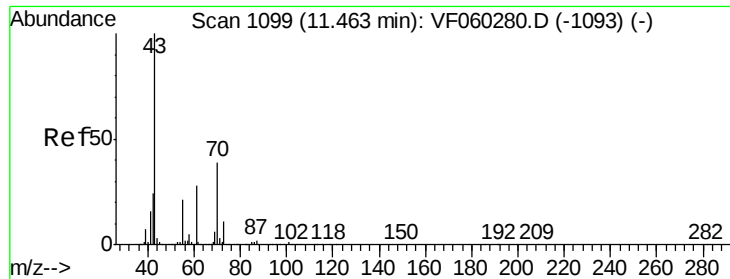


#73

Isopropylbenzene
Concen: 17.047 ug/l
RT: 11.21 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion:105 Resp: 655
Ion Ratio Lower Upper
105 100
120 0.0 12.2 36.6#





#74

N-amvl acetate

Concen: 103.375 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.05 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

LS-SOIL-C

Tot Ion: 43 Resp: 847

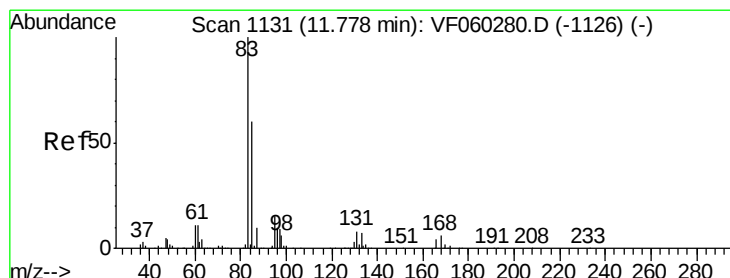
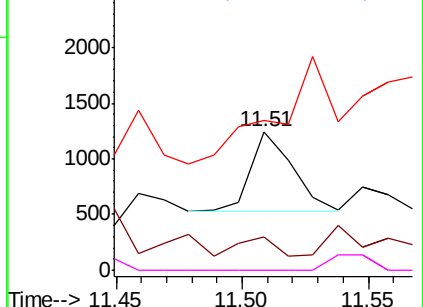
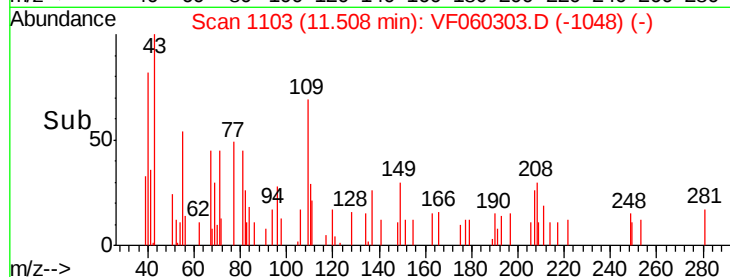
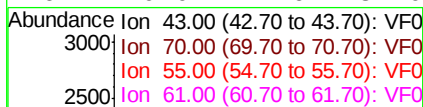
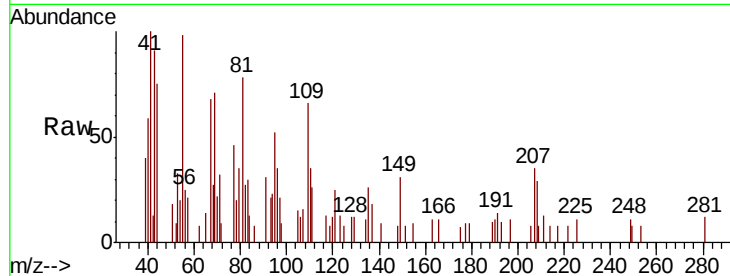
Ion Ratio Lower Upper

43 100

70 24.4 31.4 47.2#

55 107.6 16.8 25.2#

61 0.0 22.6 34.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 145.682 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.02 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

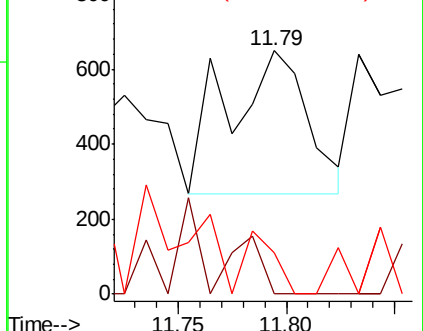
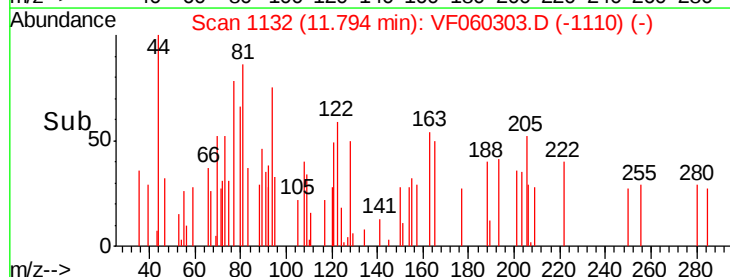
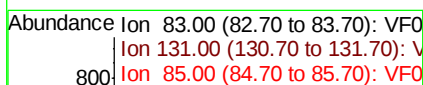
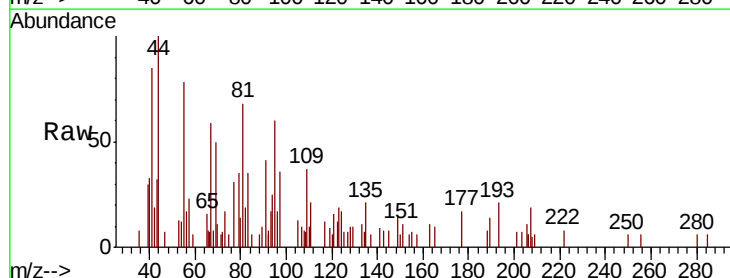
Tgt Ion: 83 Resp: 992

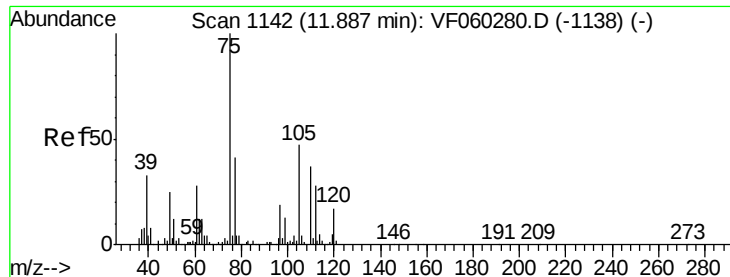
Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 17.3 30.1 90.5#





#76

1,2,3-Trichloropropane

Concen: 35.073 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.14 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

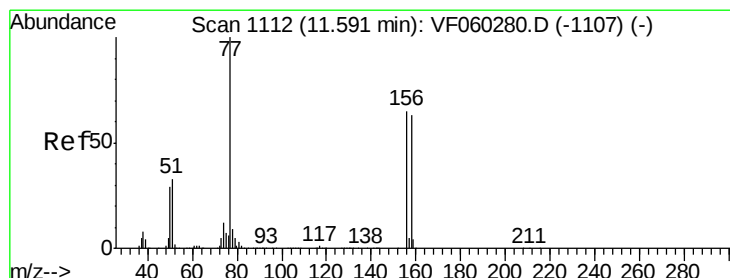
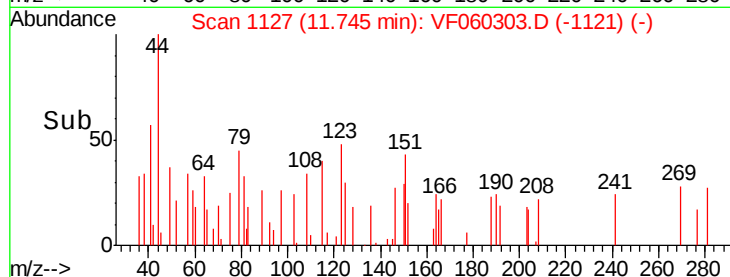
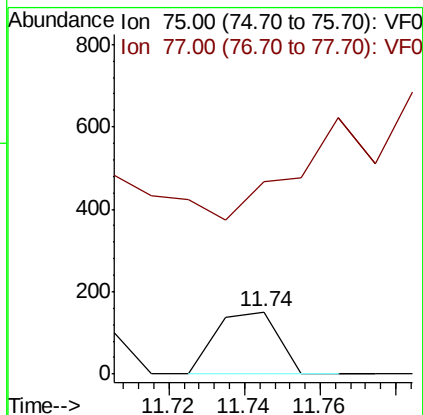
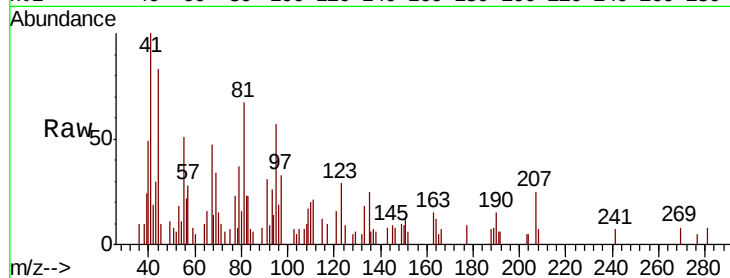
LS-SOIL-C

Tot Ion: 75 Resp: 171

Ion Ratio Lower Upper

75 100

77 310.7 20.5 61.5#



#77

Bromobenzene

Concen: 9.540 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. 0.08 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

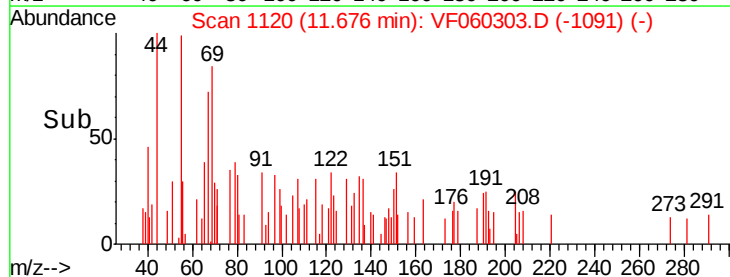
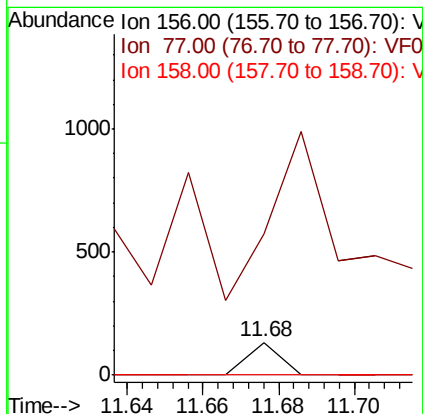
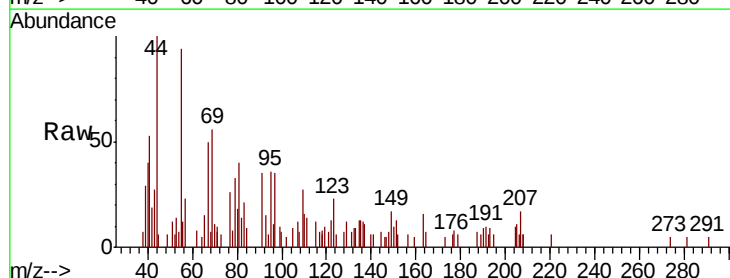
Tgt Ion: 156 Resp: 79

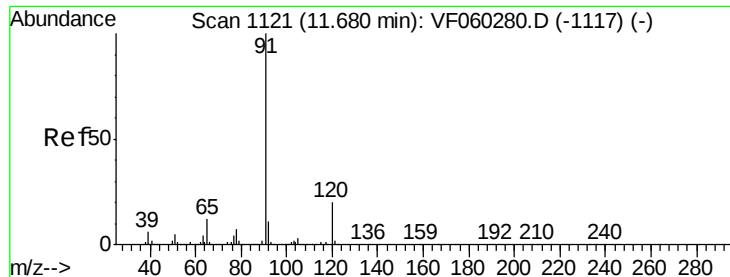
Ion Ratio Lower Upper

156 100

77 429.1 77.3 232.1#

158 0.0 48.4 145.2#





#78

n-propylbenzene

Concen: 60.769 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

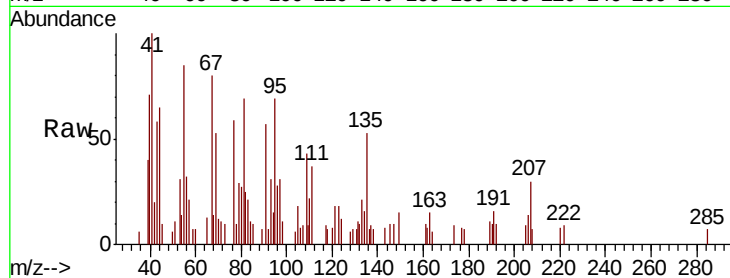
LS-SOIL-C

Tot Ion: 91 Resp: 2233

Ion Ratio Lower Upper

91 100

120 14.2 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.69

1000

800

600

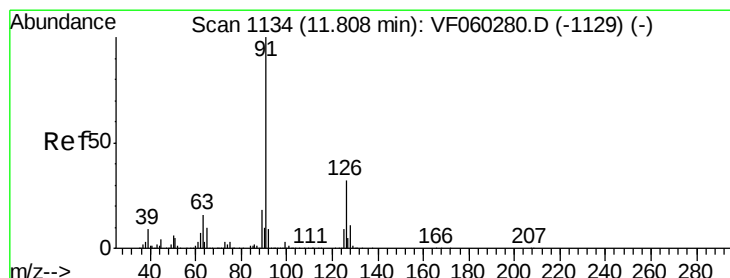
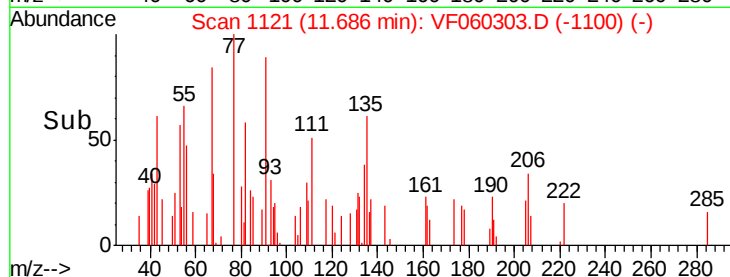
400

200

0

11.55 11.60 11.65 11.70

Time-->



#79

2-Chlorotoluene

Concen: 30.365 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060303.D

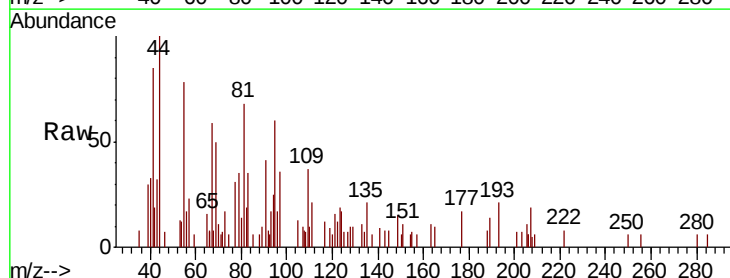
Acq: 20 Sep 2018 17:59

Tgt Ion: 91 Resp: 787

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.79

800

600

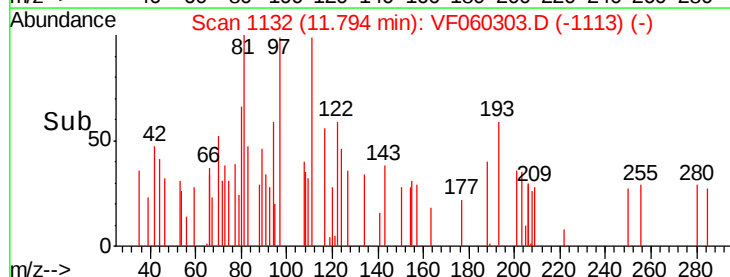
400

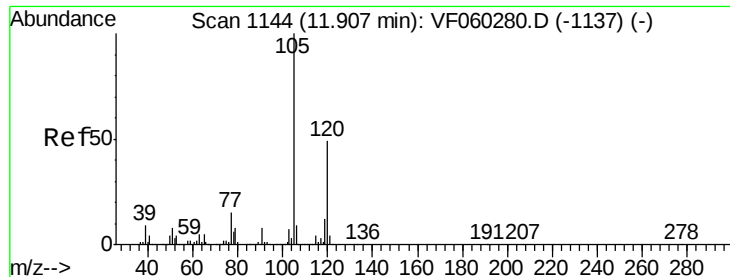
200

0

11.75 11.80

Time-->

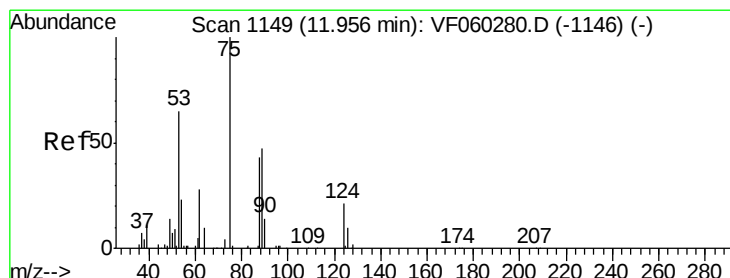
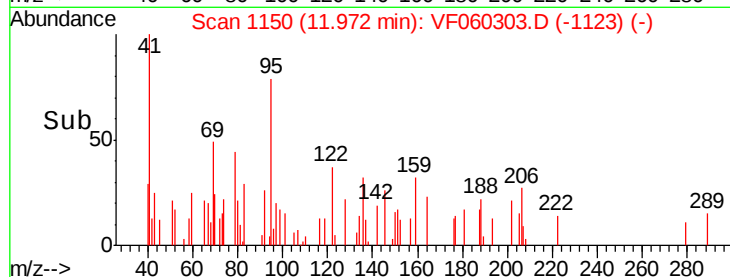
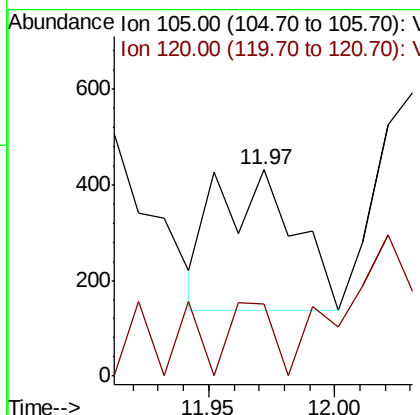
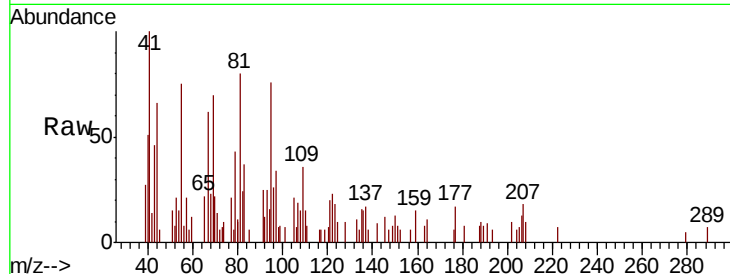




#80
 1,3,5-Trimethylbenzene
 Concen: 20.305 ug/l
 RT: 11.97 min Scan# 1150
 Delta R.T. 0.07 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

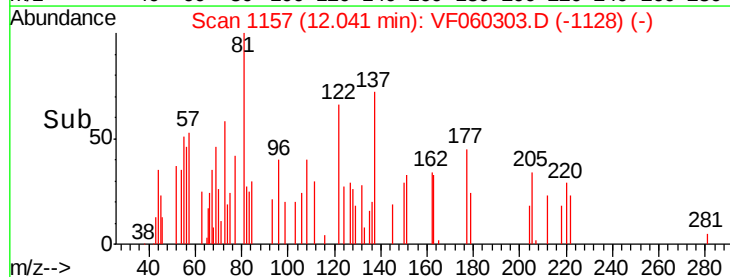
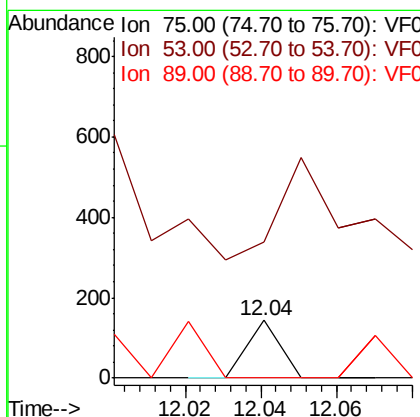
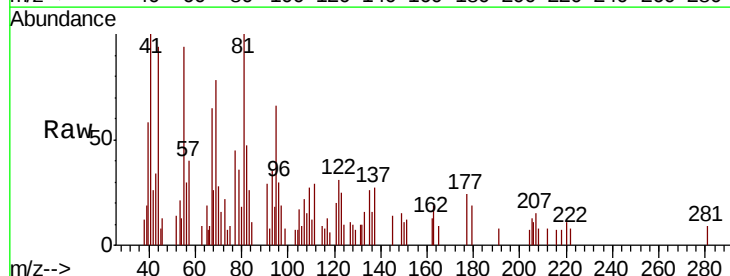
Instrument :
 MSVOA_F
 ClientSampled :
 LS-SOIL-C

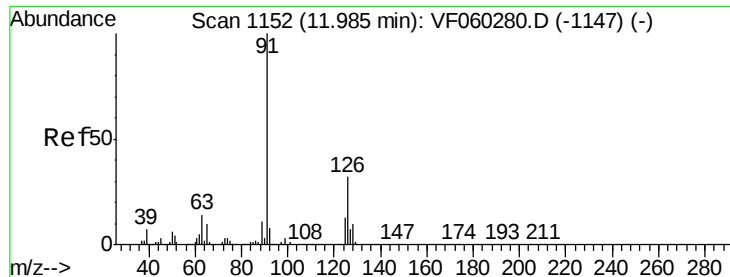
Tot Ion:105 Resp: 628
 Ion Ratio Lower Upper
 105 100
 120 34.8 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 32.989 ug/l
 RT: 12.04 min Scan# 1157
 Delta R.T. 0.08 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

Tgt Ion: 75 Resp: 85
 Ion Ratio Lower Upper
 75 100
 53 234.7 56.5 84.7#
 89 0.0 40.6 60.8#





#82

4-Chlorotoluene

Concen: 26.717 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

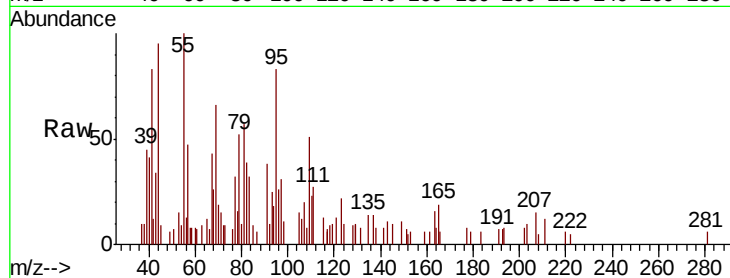
LS-SOIL-C

Tot Ion: 91 Resp: 696

Ion Ratio Lower Upper

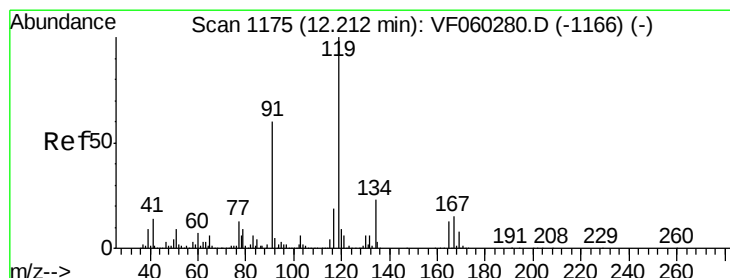
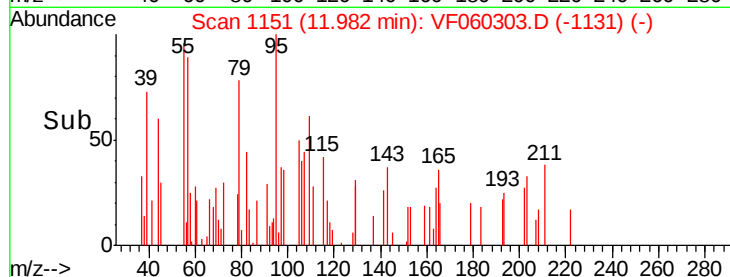
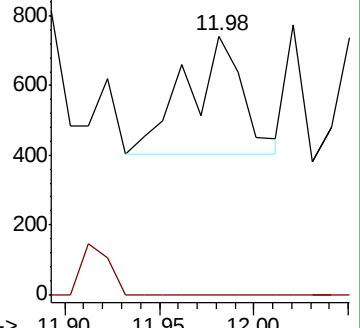
91 100

126 0.0 16.1 48.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#83

tert-Butylbenzene

Concen: 42.835 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

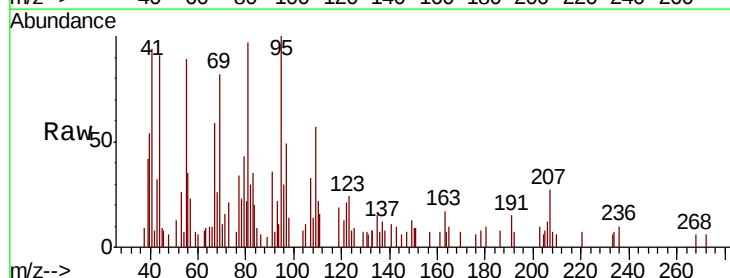
Tgt Ion: 119 Resp: 1343

Ion Ratio Lower Upper

119 100

91 191.7 30.3 91.0#

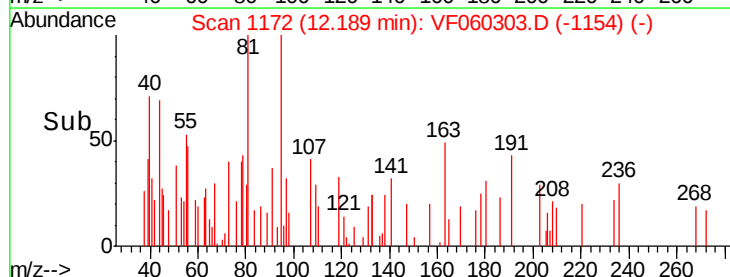
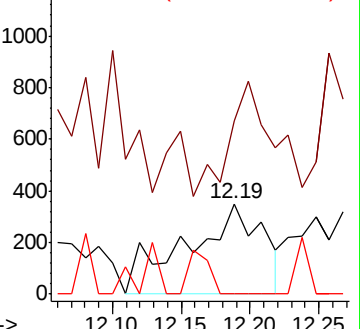
134 0.0 11.6 34.8#

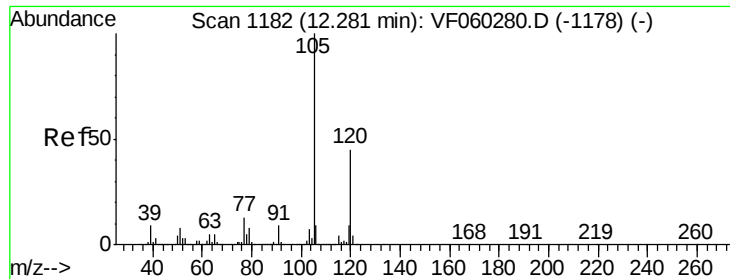


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

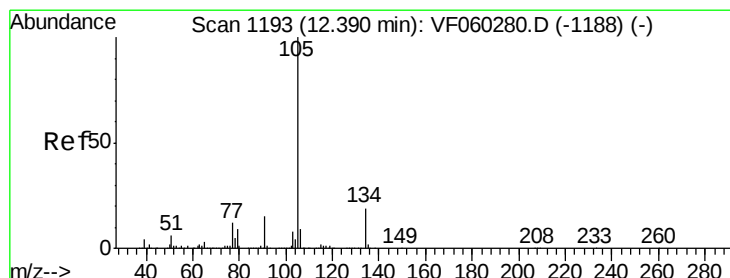
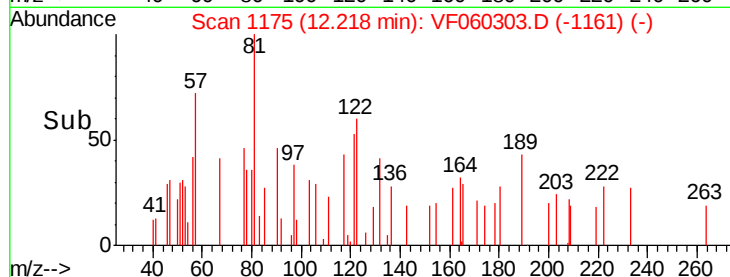
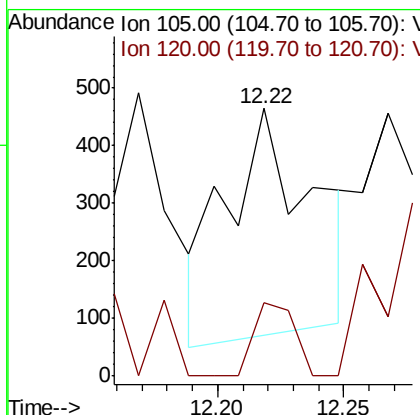
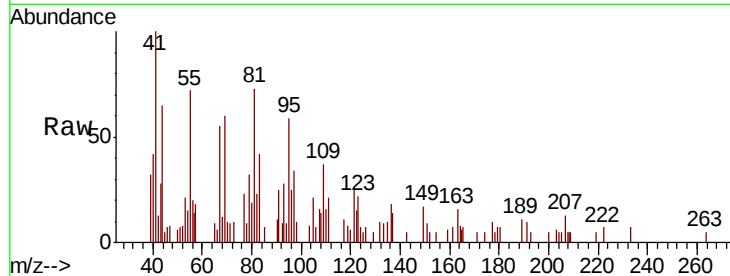




#84
 1,2,4-Trimethylbenzene
 Concen: 29.485 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.06 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

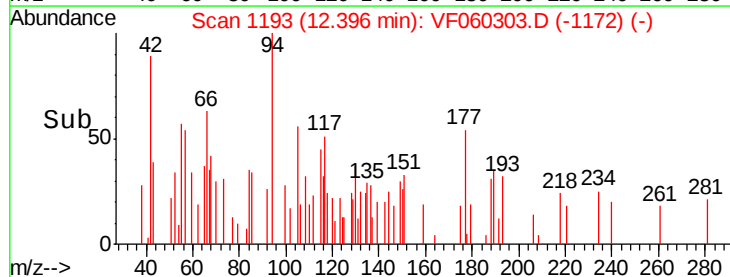
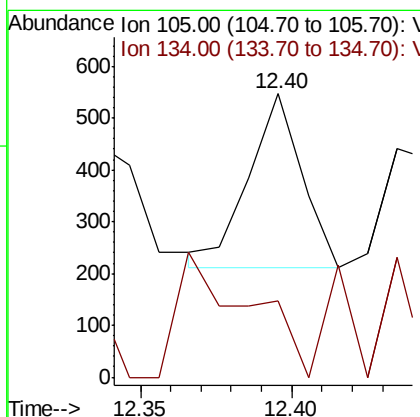
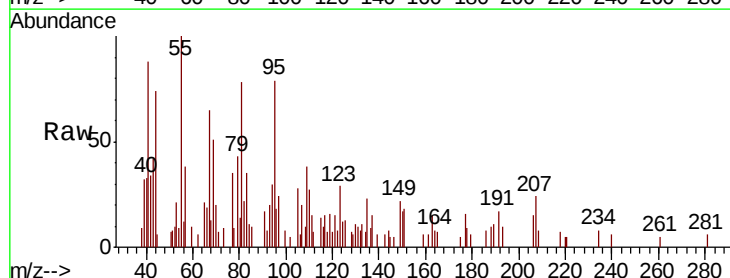
Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-C

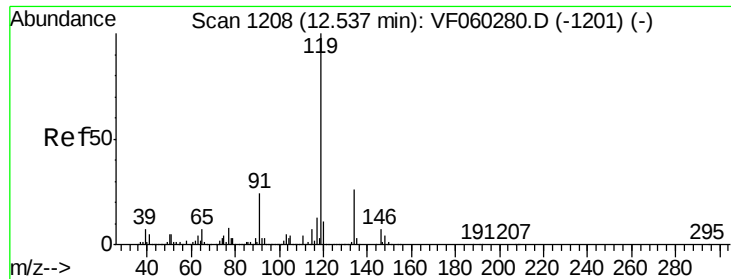
Tot Ion:105 Resp: 926
 Ion Ratio Lower Upper
 105 100
 120 27.5 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 3.284 ug/l
 RT: 12.40 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

Tgt Ion:105 Resp: 405
 Ion Ratio Lower Upper
 105 100
 134 26.7 9.6 28.6

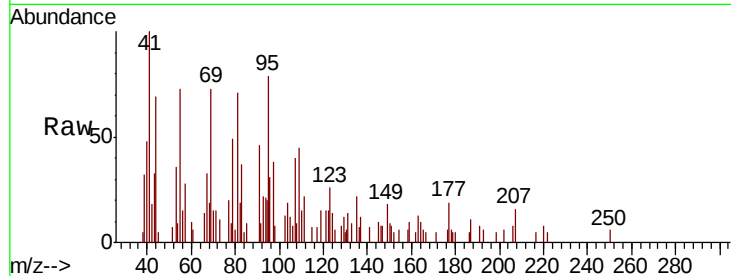




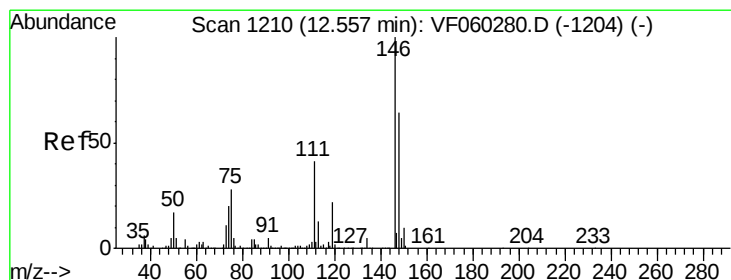
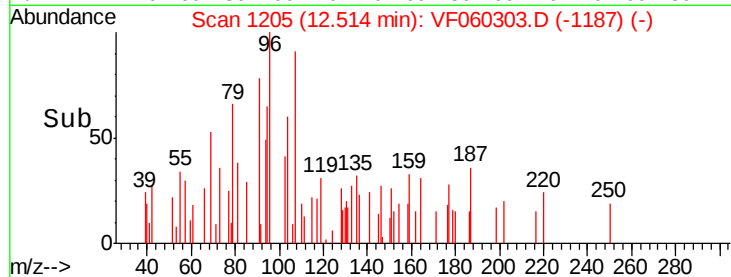
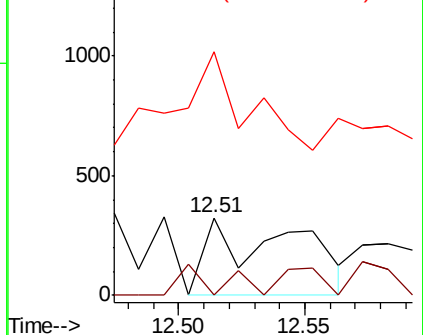
#86
 p-Isopropyltoluene
 Concen: 22.523 ug/l
 RT: 12.51 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-C

Tot Ion:119 Resp: 784
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.9 38.7#
 91 313.2 11.9 35.7#

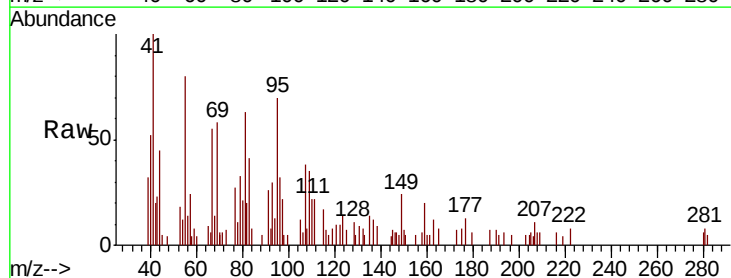


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

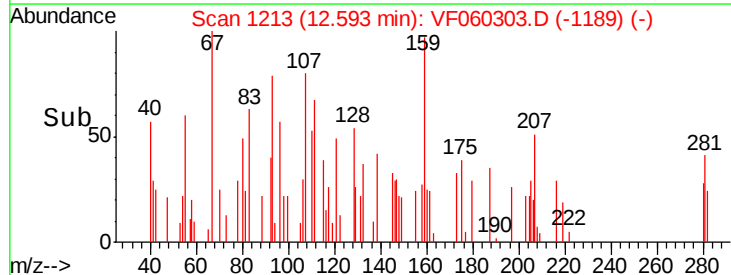
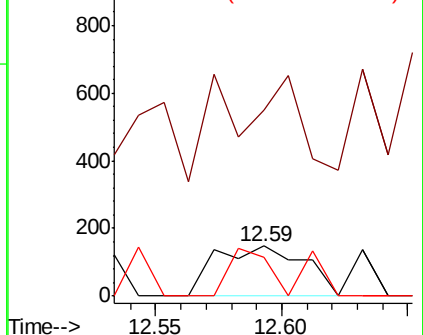


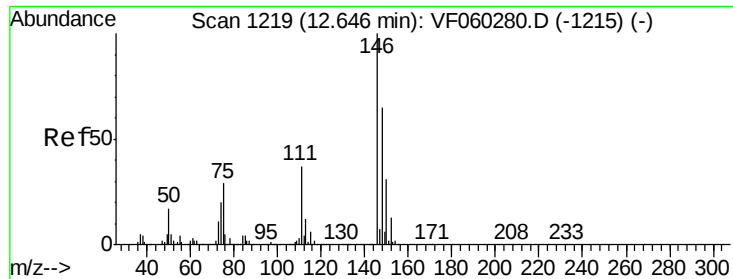
#87
 1,3-Dichlorobenzene
 Concen: 23.266 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. 0.04 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

Tgt Ion:146 Resp: 360
 Ion Ratio Lower Upper
 146 100
 111 370.9 20.5 61.6#
 148 77.7 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

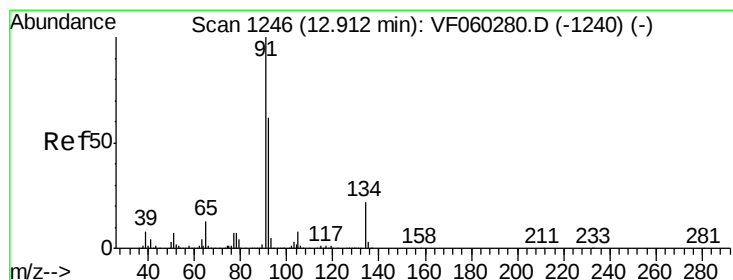
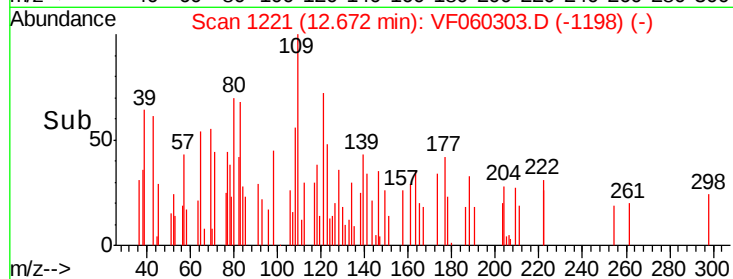
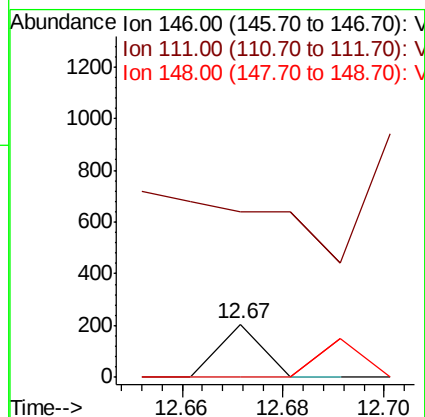
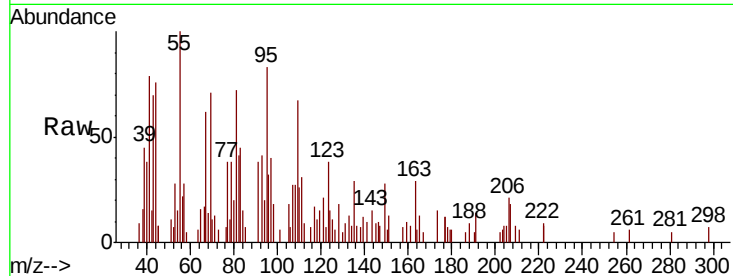




#88
 1,4-Dichlorobenzene
 Concen: 7.977 ug/l
 RT: 12.67 min Scan# 1221
 Delta R.T. 0.03 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

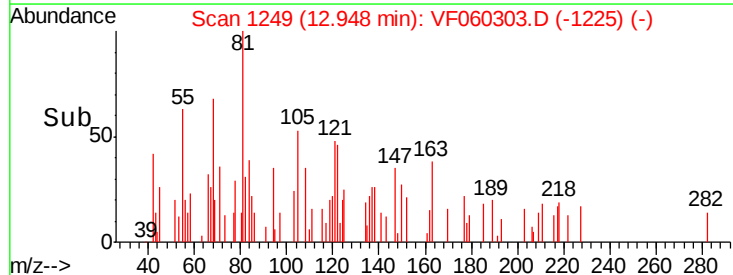
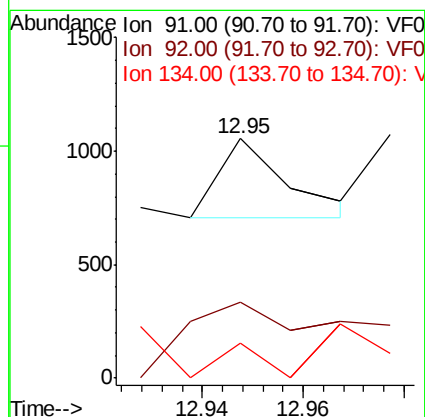
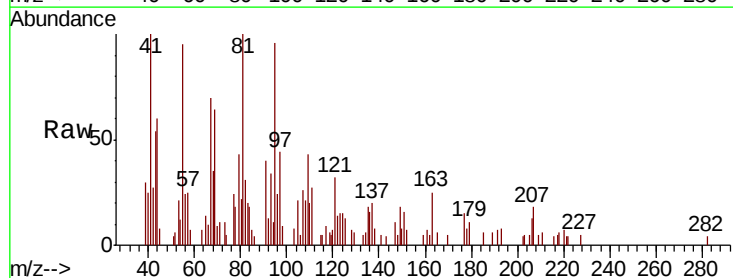
Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-C

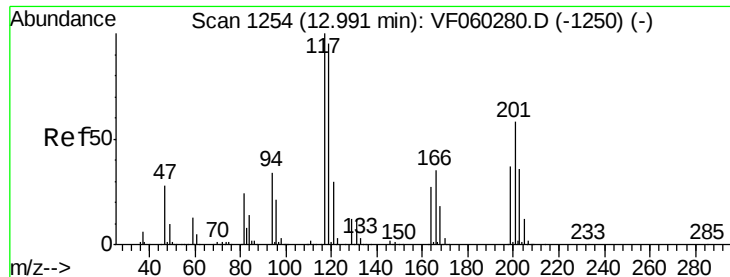
Tot Ion:146 Resp: 122
 Ion Ratio Lower Upper
 146 100
 111 310.2 18.7 56.1#
 148 0.0 32.4 97.0#



#89
 n-Butylbenzene
 Concen: 5.665 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.04 min
 Lab File: VF060303.D
 Acq: 20 Sep 2018 17:59

Tgt Ion: 91 Resp: 326
 Ion Ratio Lower Upper
 91 100
 92 31.6 31.1 93.5
 134 14.9 11.0 33.0





#90

Hexachloroethane

Concen: 53.115 ug/l

RT: 12.97 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

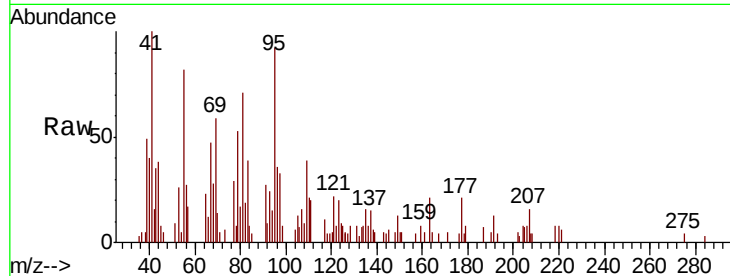
LS-SOIL-C

Tot Ion:117 Resp: 466

Ion Ratio Lower Upper

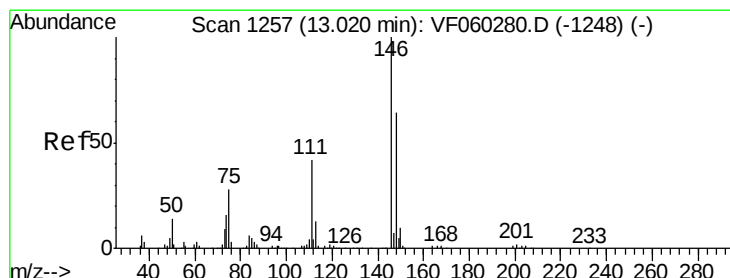
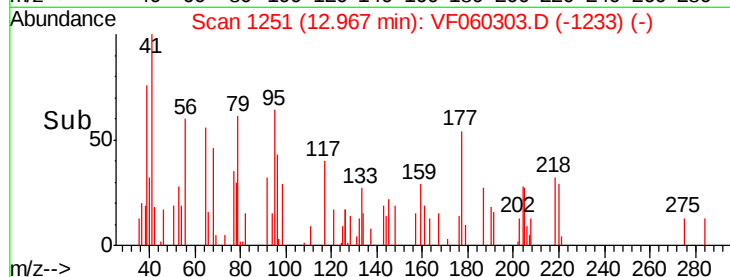
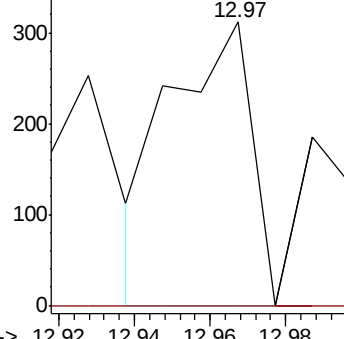
117 100

201 0.0 29.0 87.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#91

1,2-Dichlorobenzene

Concen: 22.966 ug/l

RT: 12.99 min Scan# 1253

Delta R.T. -0.03 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

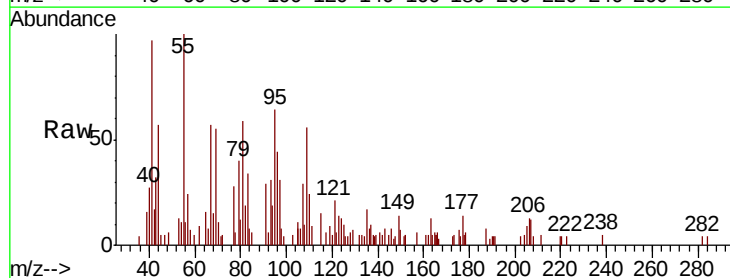
Tgt Ion:146 Resp: 339

Ion Ratio Lower Upper

146 100

111 104.7 20.9 62.8#

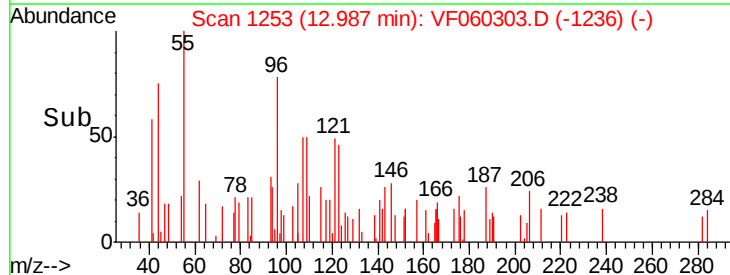
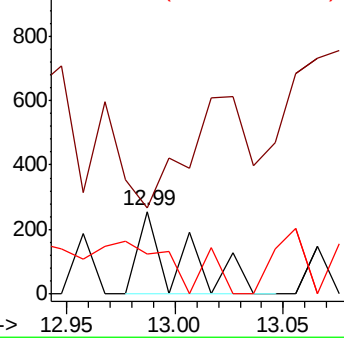
148 48.0 31.9 95.9

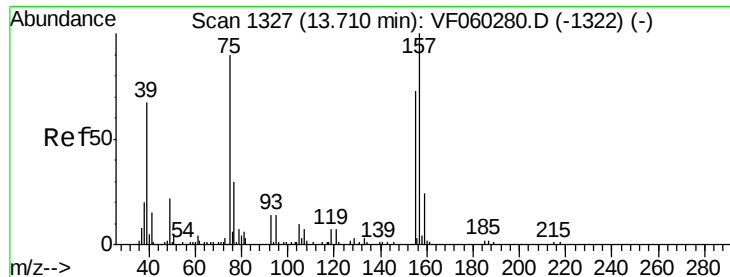


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 220.576 ug/l

RT: 13.75 min Scan# 1330

Delta R.T. 0.04 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

Instrument :

MSVOA_F

ClientSampled :

LS-SOIL-C

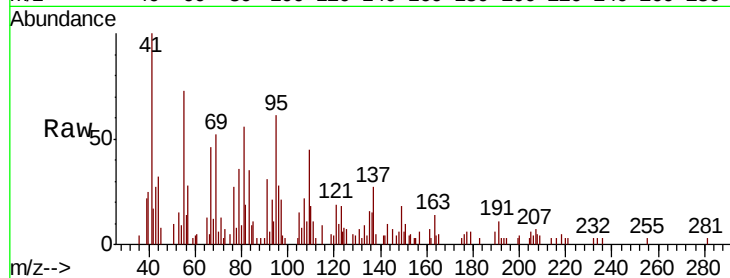
Tot Ion: 75 Resp: 282

Ion Ratio Lower Upper

75 100

155 49.5 41.9 125.7

157 121.0 57.4 172.0

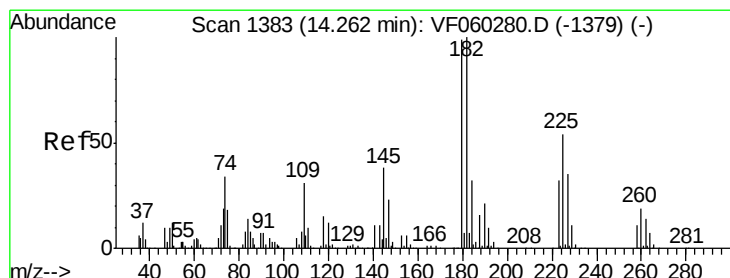
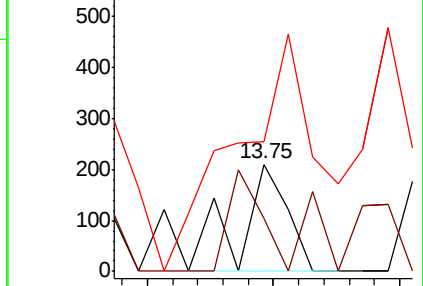
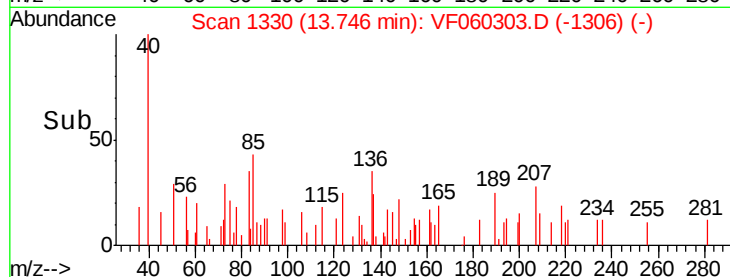


Abundance Ion 75.00 (74.70 to 75.70): VF060280.D (-1322) (-)

Ion 155.00 (154.70 to 155.70): VF060280.D (-1322) (-)

Ion 157.00 (156.70 to 157.70): VF060280.D (-1322) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 7.830 ug/l

RT: 14.24 min Scan# 1380

Delta R.T. -0.02 min

Lab File: VF060303.D

Acq: 20 Sep 2018 17:59

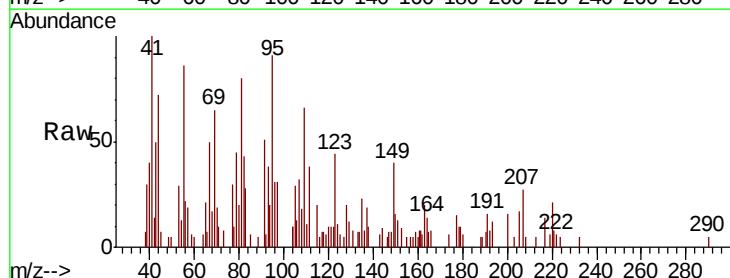
Tgt Ion: 180 Resp: 84

Ion Ratio Lower Upper

180 100

182 0.0 50.3 151.0#

145 0.0 18.9 56.9#

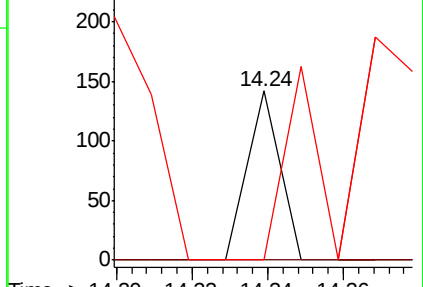
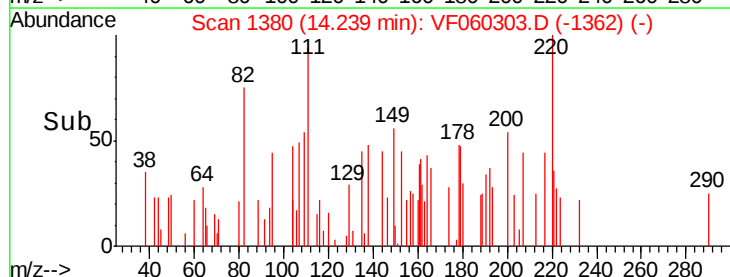


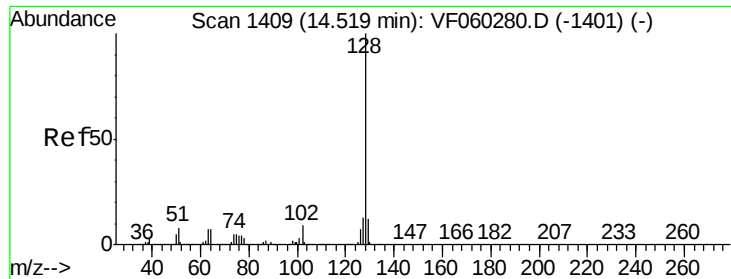
Abundance Ion 180.00 (179.70 to 180.70): VF060280.D (-1379) (-)

Ion 182.00 (181.70 to 182.70): VF060280.D (-1379) (-)

Ion 145.00 (144.70 to 145.70): VF060280.D (-1379) (-)

Time-->

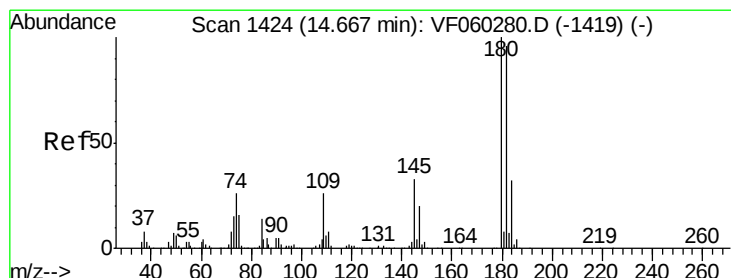
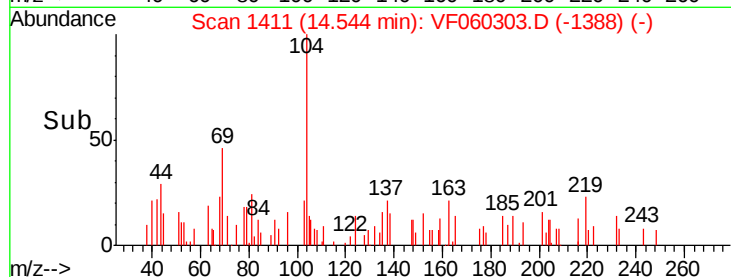
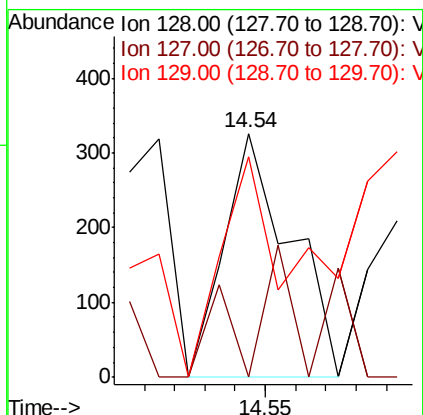
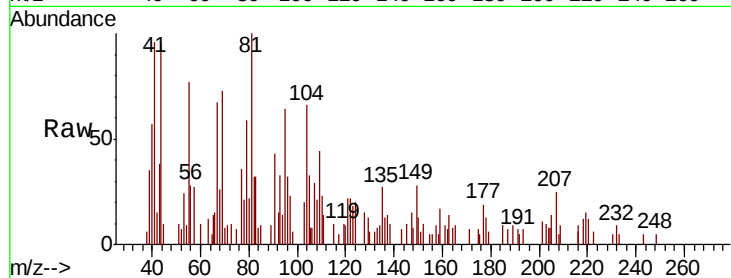




#95
Naphthalene
Concen: 26.369 ug/l
RT: 14.54 min Scan# 1411
Delta R.T. 0.03 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Instrument :
MSVOA_F
ClientSampled :
LS-SOIL-C

Tot Ion:128 Resp: 496
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 90.5 9.8 14.8#



#96
1,2,3-Trichlorobenzene
Concen: 6.658 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.00 min
Lab File: VF060303.D
Acq: 20 Sep 2018 17:59

Tgt Ion:180 Resp: 66
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.4#
145 0.0 16.4 49.1#

