

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF091615\
 Data File : VF045398.D
 Acq On : 16 Sep 2015 19:38
 Operator : FY/SY
 Sample : G3707-03LOD 1ppb
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Sep 17 07:14:34 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	1094690	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.55	114	1594509	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.70	117	1499616	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	813485	50.00	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.78	65	569465	48.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.88%	
34) Dibromofluoromethane	4.04	113	600237	48.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.20%	
49) Toluene-d8	7.50	98	1790808	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
61) 4-Bromofluorobenzene	11.36	95	830335	47.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	15946	1.71	ug/l	81
3) Chloromethane	1.03	50	10871	1.36	ug/l	98
4) Vinyl Chloride	1.08	62	9208	1.35	ug/l	89
5) Bromomethane	1.25	94	6151	1.45	ug/l #	71
6) Chloroethane	1.35	64	4482	1.64	ug/l #	84
8) Diethyl Ether	1.60	74	3930	1.34	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.78	101	11264	1.39	ug/l #	85
10) Methyl Iodide	1.81	142	21223	1.28	ug/l	93
11) Tert butyl alcohol	2.49	59	1575	11.92	ug/l #	18
12) 1,1-Dichloroethene	1.72	96	8545	1.27	ug/l	91
13) Acrolein	2.10	56	596	1.09	ug/l	84
15) Acrylonitrile	2.89	53	7767	6.15	ug/l #	66
16) Acetone	2.19	43	21616	8.10	ug/l	97
17) Carbon Disulfide	1.72	76	28041	1.23	ug/l #	92
18) Methyl Acetate	2.29	43	25402	2.48	ug/l #	89
19) Methyl tert-butyl Ether	2.38	73	5704	1.08	ug/l #	71
20) Methylene Chloride	2.14	84	17652	Below	Cal	85
21) trans-1,2-Dichloroethene	2.27	96	9217	1.23	ug/l	91
22) Diisopropyl ether	2.76	45	31965	1.44	ug/l #	84
23) Vinyl Acetate	3.12	43	39939	6.16	ug/l #	89
24) 1,1-Dichloroethane	2.83	63	19868	1.32	ug/l #	89
25) 2-Butanone	4.28	43	25014	6.70	ug/l #	79
26) 2,2-Dichloropropane	3.54	77	14765	1.06	ug/l	94
27) cis-1,2-Dichloroethene	3.42	96	15410	1.33	ug/l	78
28) Bromochloromethane	3.65	49	8127	1.38	ug/l	91
29) Chloroform	3.79	83	26703	1.26	ug/l	97
30) Cyclohexane	3.65	56	18047	1.33	ug/l	91
31) 1,1,1-Trichloroethane	4.03	97	20379	1.17	ug/l	89
35) 1,1-Dichloropropene	4.22	75	23446	1.55	ug/l	88
36) Ethyl Acetate	4.04	43	15443	2.02	ug/l #	77
37) Carbon Tetrachloride	3.93	117	19287	1.21	ug/l #	77
38) Methylcyclohexane	5.41	83	20677	1.27	ug/l	90
39) Benzene	4.58	78	42925	1.21	ug/l	99
40) Methacrylonitrile	4.69	41	5255	1.45	ug/l #	69

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	4.89	62	17327	1.21	ug/l	91
42) Isopropyl Acetate	6.91	43	16795	1.67	ug/l #	74
43) Trichloroethene	5.45	130	15758	1.30	ug/l	97
44) 1,2-Dichloropropane	6.18	63	13799	1.34	ug/l	96
45) Dibromomethane	6.03	93	10282	1.40	ug/l #	63
46) Bromodichloromethane	6.32	83	18536	1.13	ug/l #	61
47) Methyl methacrylate	6.68	41	7166	1.17	ug/l	88
48) 1,4-Dioxane	6.67	88	1435	19.57	ug/l #	1
50) 4-Methyl-2-Pentanone	8.21	43	52981	7.39	ug/l	96
51) Toluene	7.58	92	38053	1.40	ug/l	90
52) t-1,3-Dichloropropene	8.22	75	17899	1.21	ug/l #	78
53) cis-1,3-Dichloropropene	7.24	75	19892	1.14	ug/l #	86
54) 1,1,2-Trichloroethane	8.43	97	10273	1.11	ug/l #	69
55) Ethyl methacrylate	8.57	69	13498	1.13	ug/l #	82
56) 1,3-Dichloropropane	8.79	76	21449	1.43	ug/l	97
58) 2-Hexanone	9.44	43	41455	7.26	ug/l	82
59) Dibromochloromethane	8.65	129	13691	1.05	ug/l	77
60) 1,2-Dibromoethane	8.92	107	13209	1.26	ug/l	94
63) Tetrachloroethene	8.10	164	15214	1.28	ug/l	91
64) Chlorobenzene	9.73	112	42109	1.34	ug/l #	83
65) 1,1,1,2-Tetrachloroethane	9.86	131	12802	1.11	ug/l	70
66) Ethyl Benzene	9.84	91	72571	1.33	ug/l	96
67) m/p-Xylenes	10.07	106	57550	2.95	ug/l	93
68) o-Xylene	10.65	106	28246	1.39	ug/l	86
69) Styrene	10.73	104	44990	1.39	ug/l #	79
72) Isopropylbenzene	11.07	105	77925	1.43	ug/l	95
73) N-amyl acetate	11.33	43	21296	1.41	ug/l #	81
74) 1,1,2,2-Tetrachloroethane	11.63	83	18660	1.51	ug/l	97
76) Bromobenzene	11.44	156	20713	1.34	ug/l	91
77) n-propylbenzene	11.55	91	102546	1.52	ug/l	98
78) 2-Chlorotoluene	11.66	91	57071	1.51	ug/l	93
79) 1,3,5-Trimethylbenzene	11.77	105	60074	1.35	ug/l	90
80) trans-1,4-Dichloro-2-buten	11.82	75	6370	1.40	ug/l #	87
81) 4-Chlorotoluene	11.84	91	58034	1.39	ug/l	95
82) tert-Butylbenzene	12.08	119	64296	1.46	ug/l	90
83) 1,2,4-Trimethylbenzene	12.16	105	61457	1.35	ug/l	94
84) sec-Butylbenzene	12.25	105	85419	1.40	ug/l	90
85) p-Isopropyltoluene	12.40	119	66901	1.41	ug/l	95
86) 1,3-Dichlorobenzene	12.42	146	41103	1.56	ug/l	92
87) 1,4-Dichlorobenzene	12.51	146	37891	1.44	ug/l	88
88) n-Butylbenzene	12.79	91	70142	1.47	ug/l	93
89) Hexachloroethane	12.86	117	16680	1.48	ug/l	100
90) 1,2-Dichlorobenzene	12.89	146	35712	1.48	ug/l	83
91) 1,2-Dibromo-3-Chloropropan	13.57	75	1978	1.21	ug/l	70
92) 1,2,4-Trichlorobenzene	14.14	180	19108	1.37	ug/l	89
93) Hexachlorobutadiene	14.13	225	14740	1.39	ug/l	94
94) Naphthalene	14.38	128	29639	2.76	ug/l #	97
95) 1,2,3-Trichlorobenzene	14.53	180	15795	1.37	ug/l	86

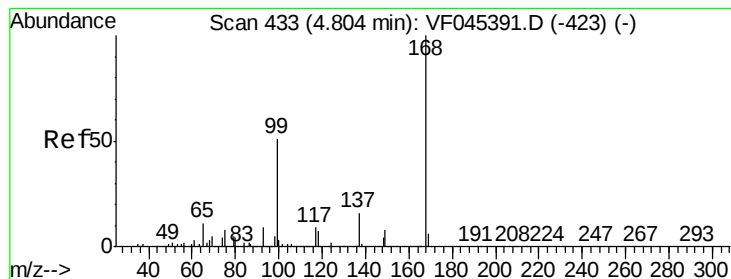
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

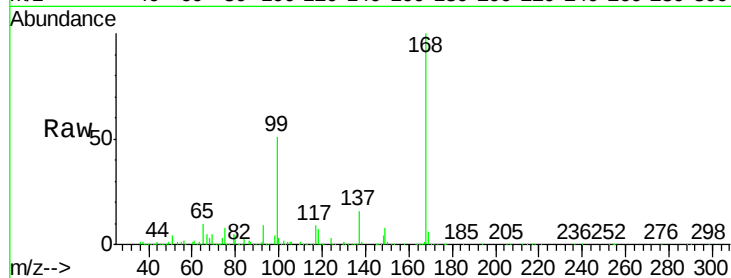
LOD-SOIL2015-01

Tgt Ion:168 Resp: 1094690

Ion Ratio Lower Upper

168 100

99 51.3 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.82

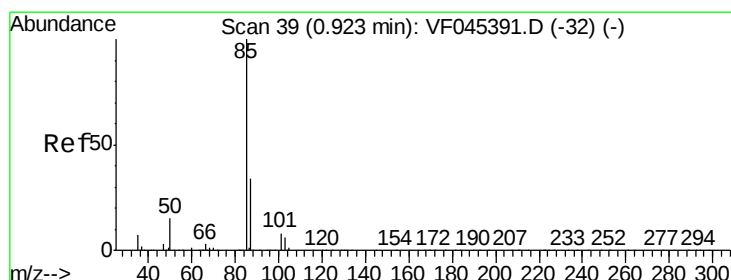
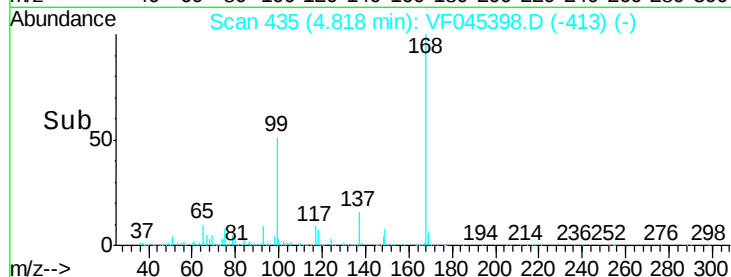
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.71 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.01 min

Lab File: VF045398.D

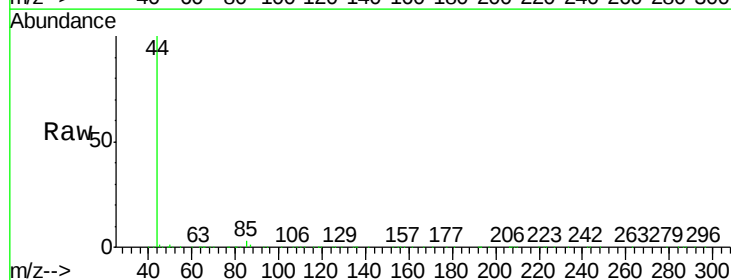
Acq: 16 Sep 2015 19:38

Tgt Ion: 85 Resp: 15946

Ion Ratio Lower Upper

85 100

87 20.4 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

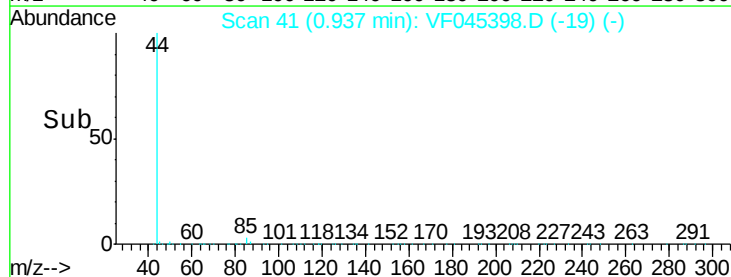
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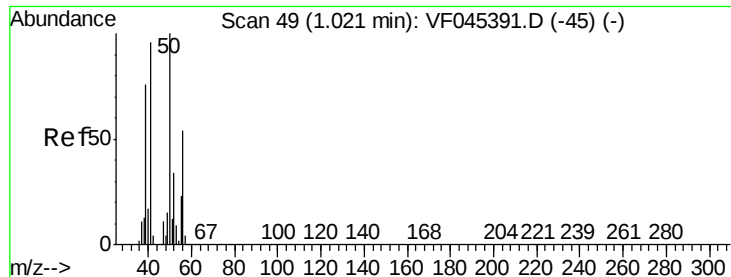
4000

2000

0

Time-->





#3

Chloromethane

Concen: 1.36 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

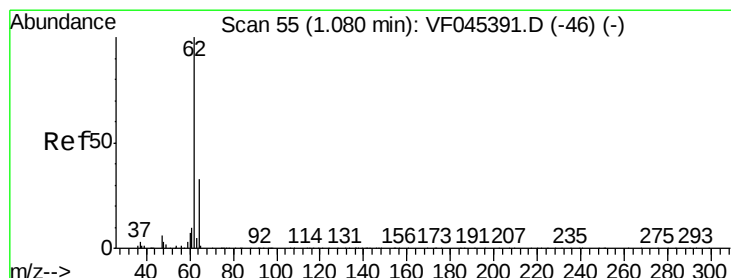
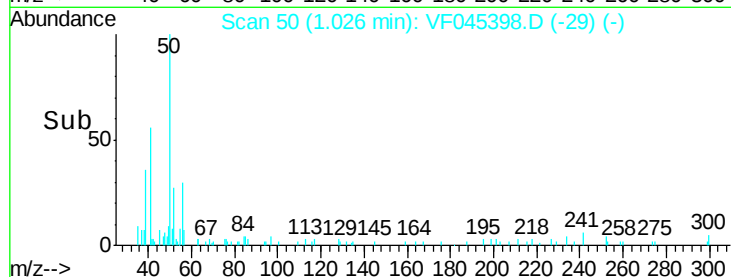
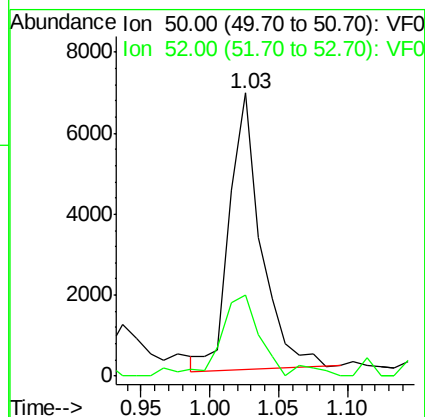
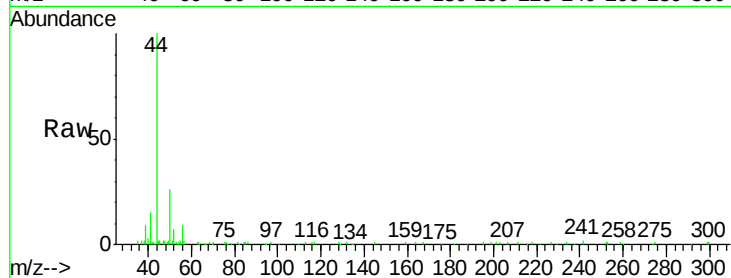
LOD-SOIL2015-01

Tgt Ion: 50 Resp: 10871

Ion Ratio Lower Upper

50 100

52 28.5 23.8 35.8



#4

Vinyl Chloride

Concen: 1.35 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF045398.D

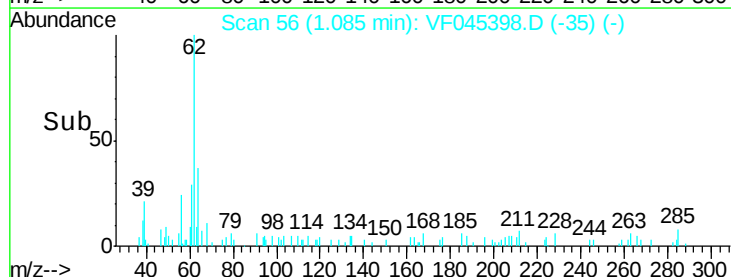
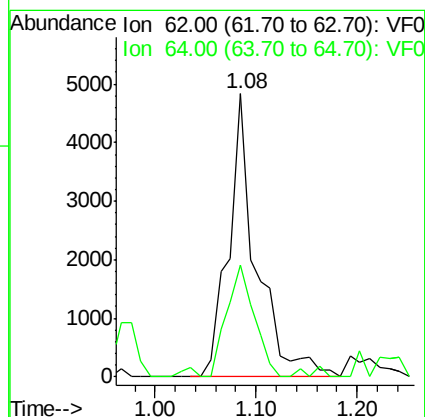
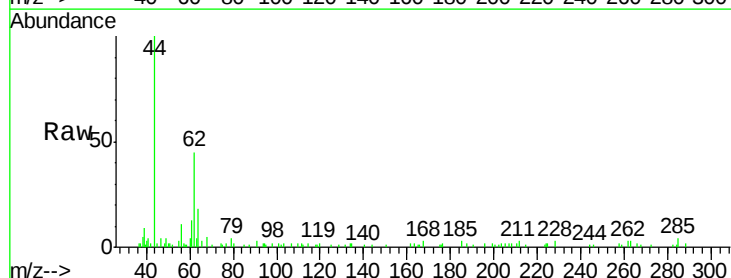
Acq: 16 Sep 2015 19:38

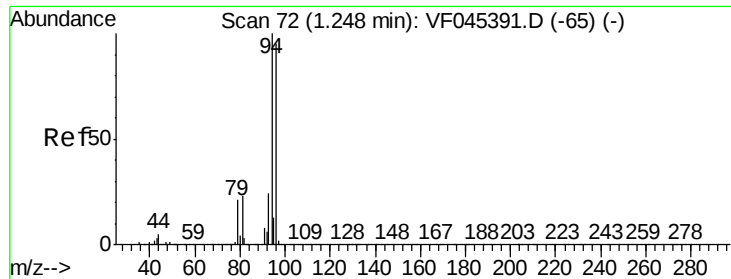
Tgt Ion: 62 Resp: 9208

Ion Ratio Lower Upper

62 100

64 39.4 26.6 39.8





#5

Bromomethane

Concen: 1.45 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

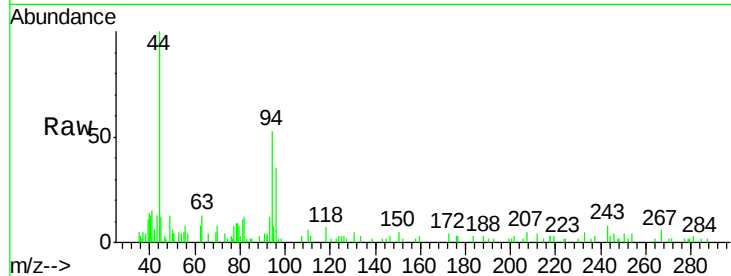
LOD-SOIL2015-01

Tgt Ion: 94 Resp: 6151

Ion Ratio Lower Upper

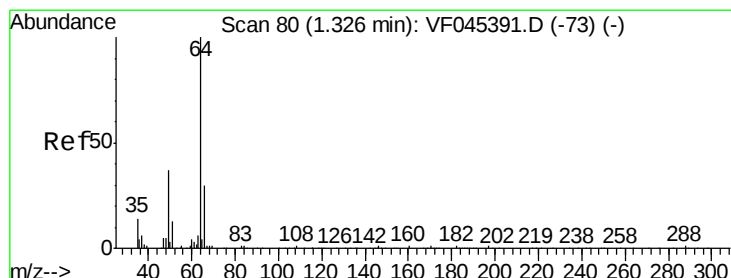
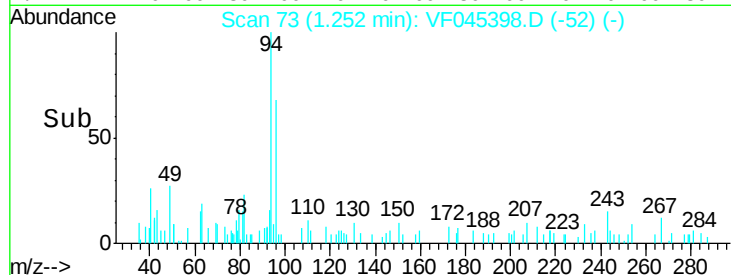
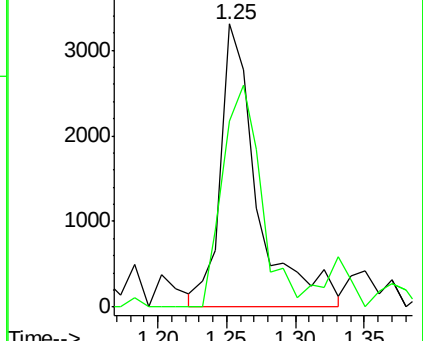
94 100

96 66.0 75.0 112.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 1.64 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.02 min

Lab File: VF045398.D

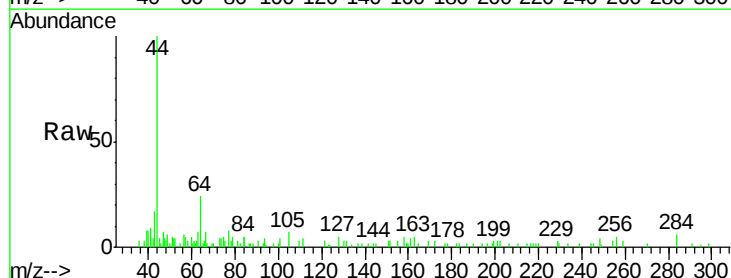
Acq: 16 Sep 2015 19:38

Tgt Ion: 64 Resp: 4482

Ion Ratio Lower Upper

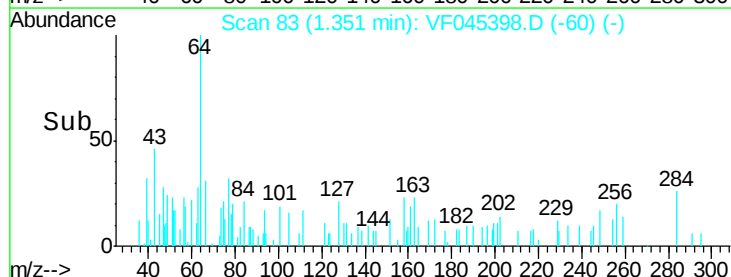
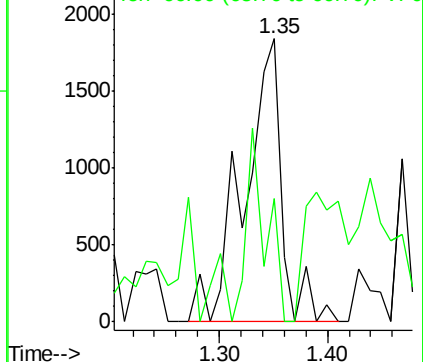
64 100

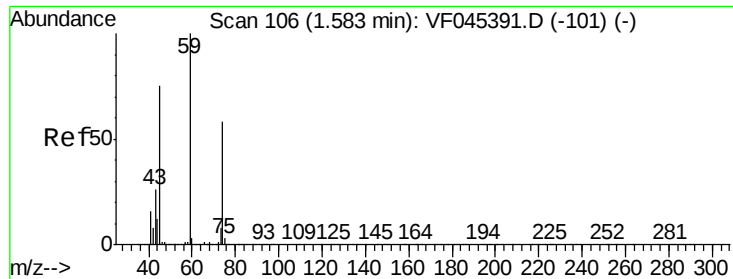
66 43.4 27.3 40.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 1.34 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

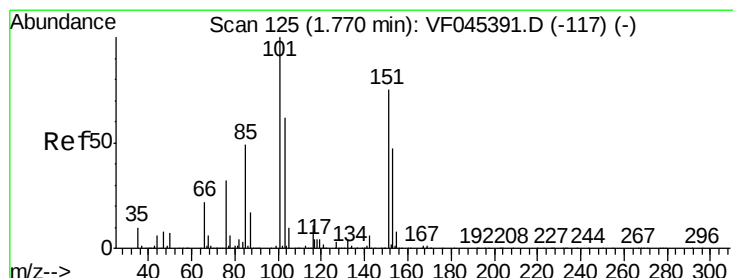
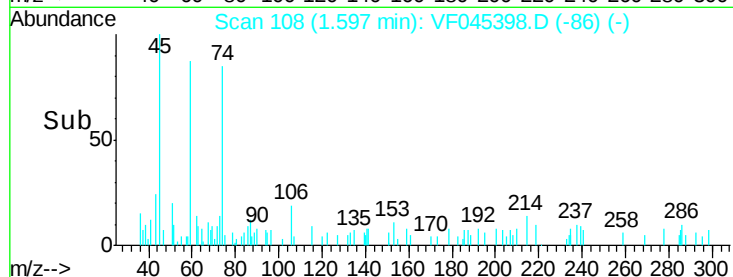
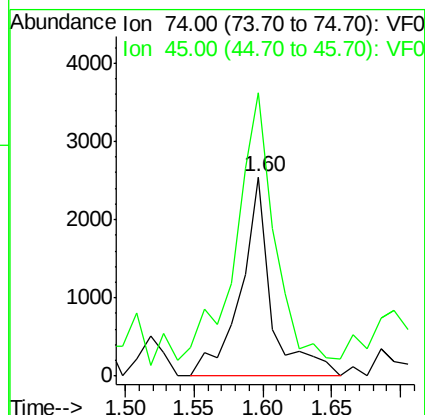
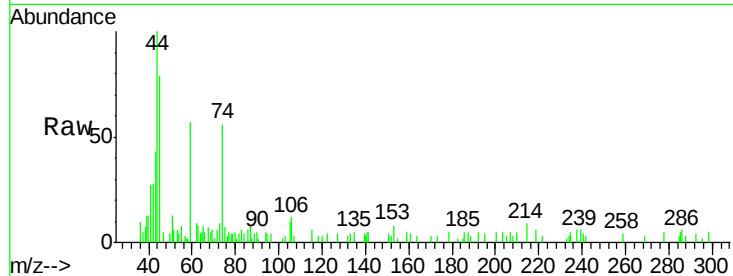
LOD-SOIL2015-01

Tgt Ion: 74 Resp: 3930

Ion Ratio Lower Upper

74 100

45 142.1 60.9 182.7



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.39 ug/l

RT: 1.78 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

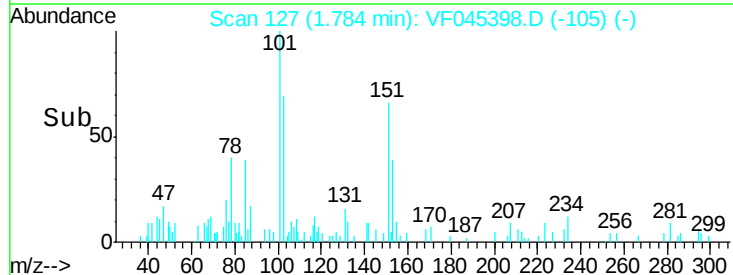
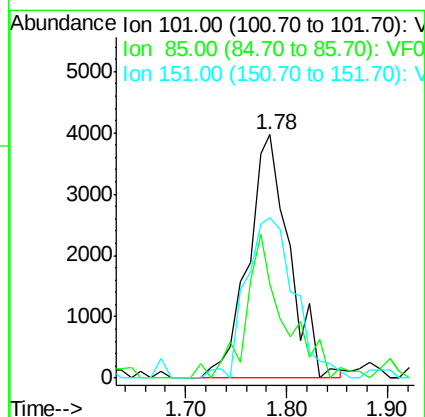
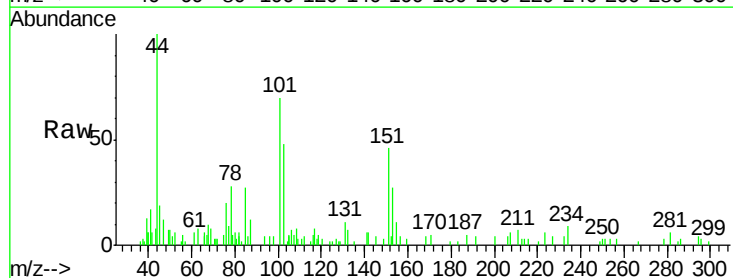
Tgt Ion: 101 Resp: 11264

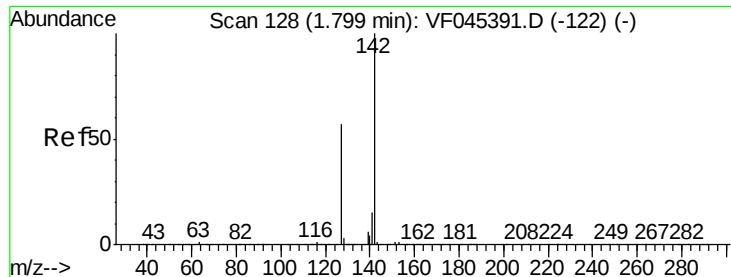
Ion Ratio Lower Upper

101 100

85 38.7 40.0 60.0#

151 65.7 62.8 94.2





#10

Methyl Iodide

Concen: 1.28 ug/l

RT: 1.81 min Scan# 130

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

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ClientSampleId :

LOD-SOIL2015-01

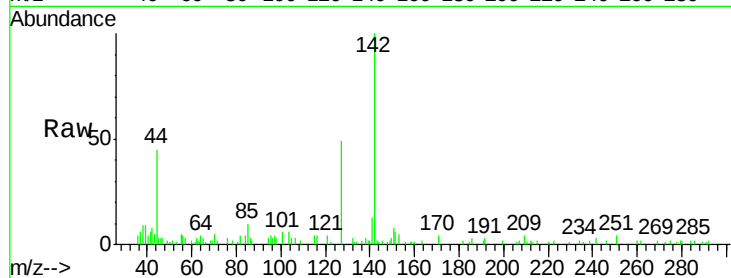
Tgt Ion:142 Resp: 21223

Ion Ratio Lower Upper

142 100

127 48.8 43.3 64.9

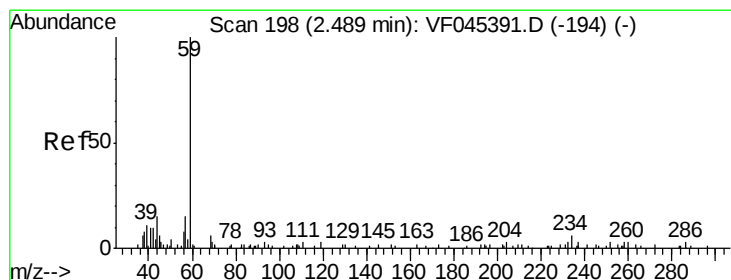
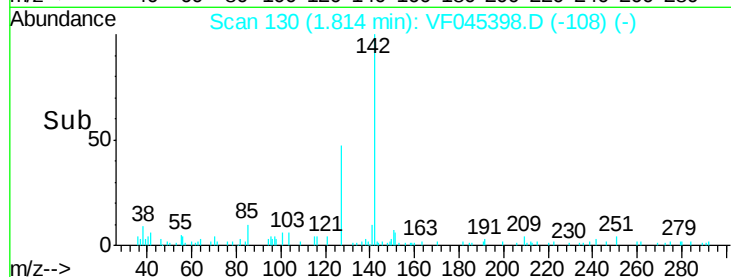
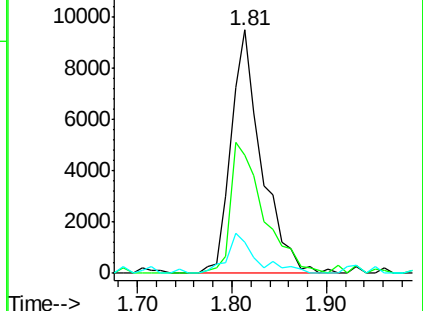
141 12.8 12.1 18.1



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: 11.92 ug/l

RT: 2.49 min Scan# 199

Delta R.T. 0.00 min

Lab File: VF045398.D

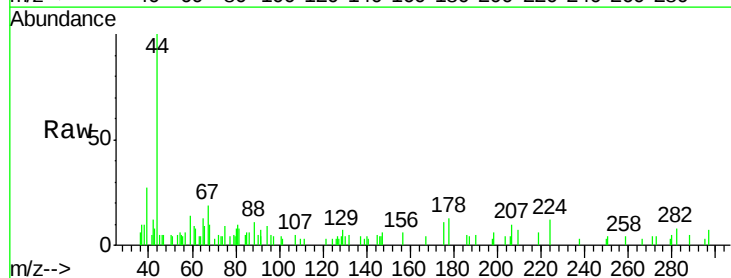
Acq: 16 Sep 2015 19:38

Tgt Ion: 59 Resp: 1575

Ion Ratio Lower Upper

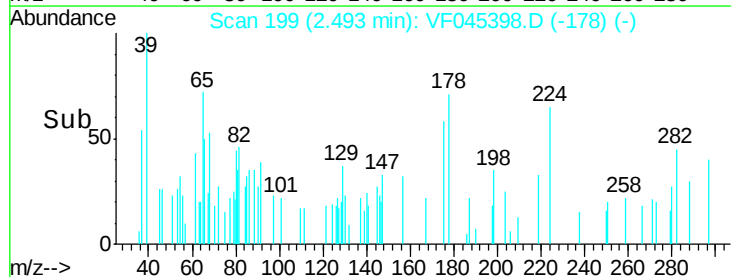
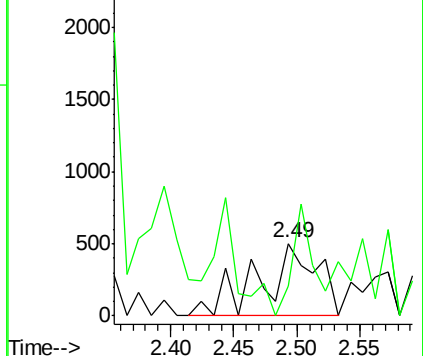
59 100

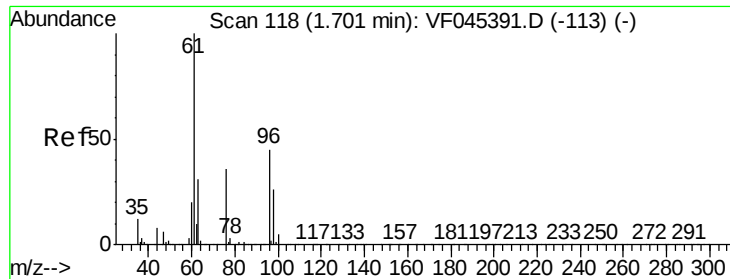
57 41.8 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

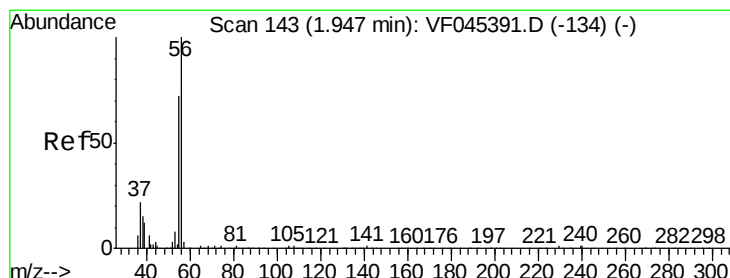
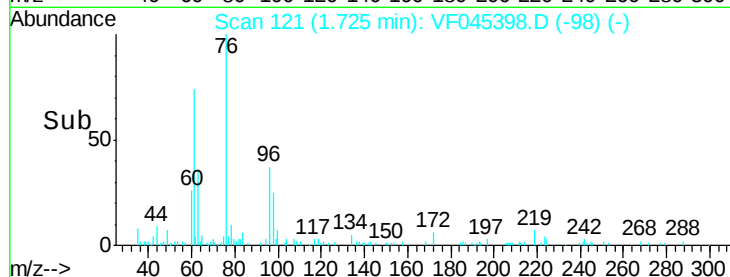
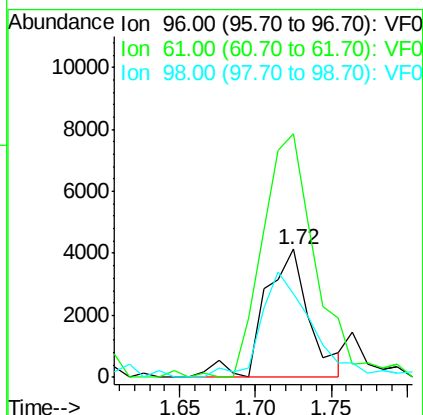
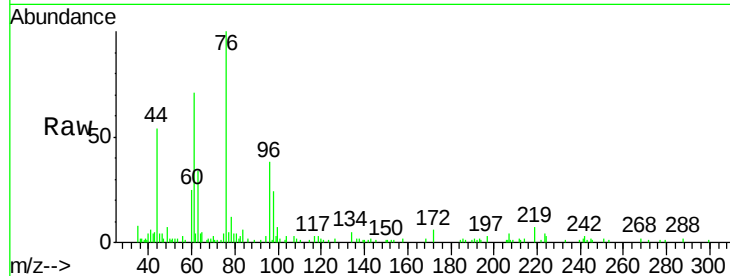




#12
 1,1-Dichloroethene
 Concen: 1.27 ug/l
 RT: 1.72 min Scan# 121
 Delta R.T. 0.02 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

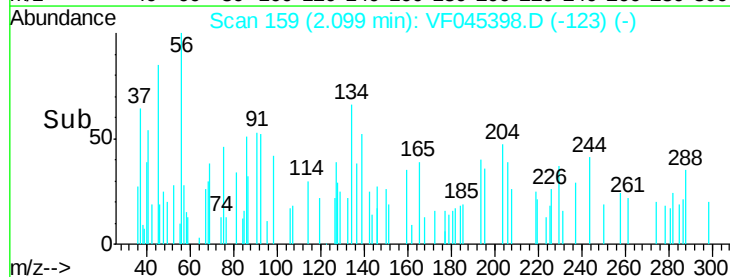
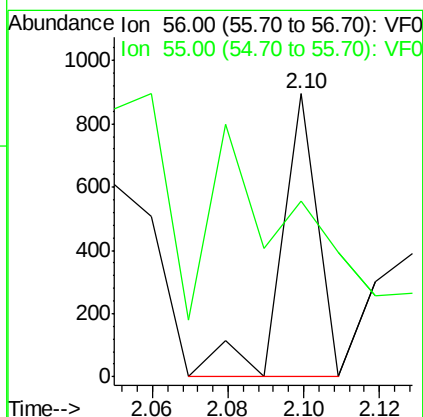
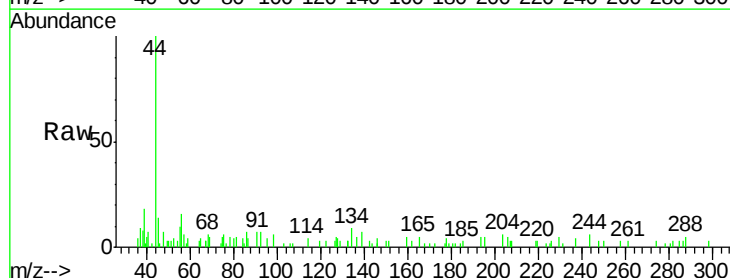
Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

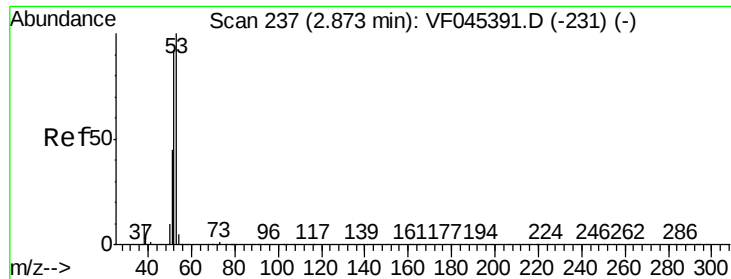
Tgt Ion: 96 Resp: 8545
 Ion Ratio Lower Upper
 96 100
 61 190.1 165.8 248.8
 98 65.0 51.2 76.8



#13
 Acrolein
 Concen: 1.09 ug/l
 RT: 2.10 min Scan# 159
 Delta R.T. 0.15 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Tgt Ion: 56 Resp: 596
 Ion Ratio Lower Upper
 56 100
 55 62.0 60.5 90.7

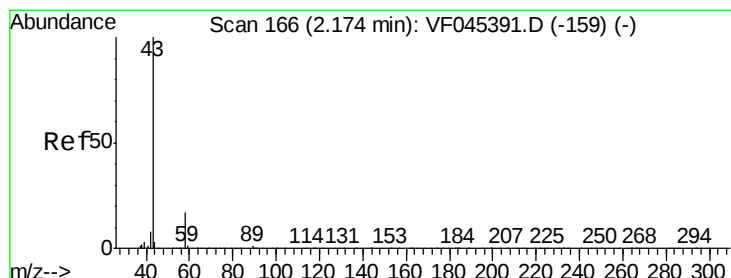
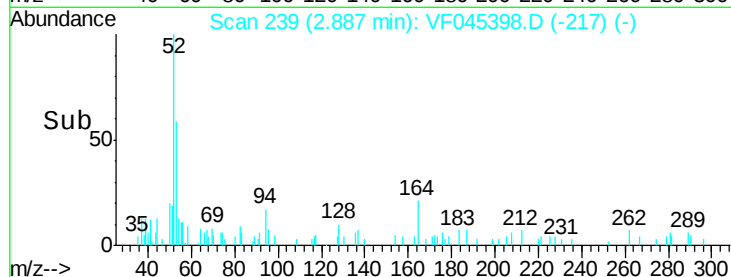
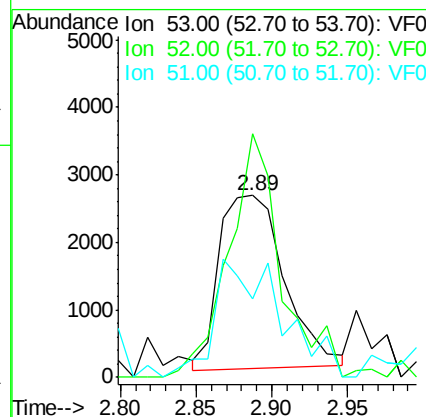
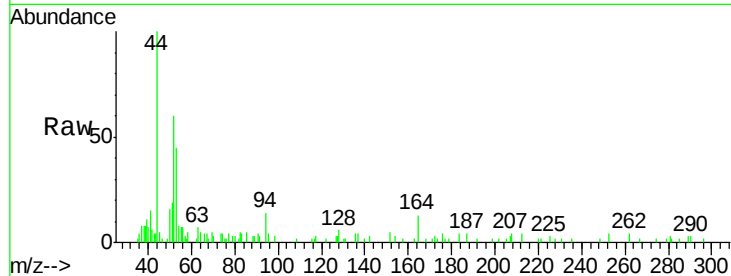




#15
Acrylonitrile
Concen: 6.15 ug/l
RT: 2.89 min Scan# 239
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

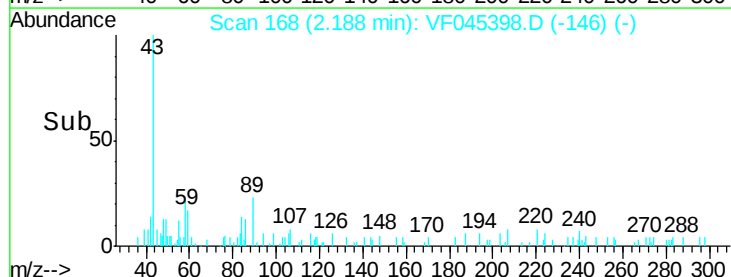
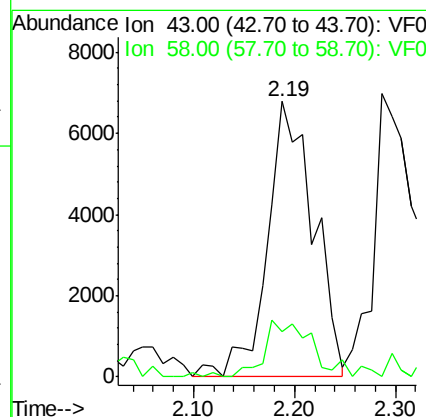
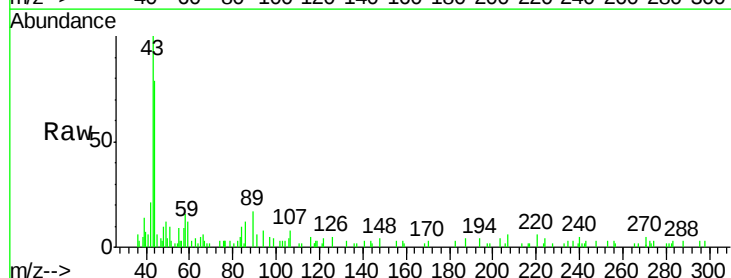
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

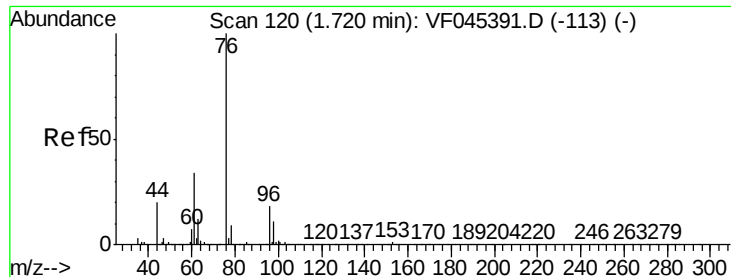
Tgt Ion: 53 Resp: 7767
Ion Ratio Lower Upper
53 100
52 133.8 72.7 109.1#
51 43.2 42.2 63.2



#16
Acetone
Concen: 8.10 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion: 43 Resp: 21616
Ion Ratio Lower Upper
43 100
58 16.3 13.9 20.9





#17

Carbon Disulfide

Concen: 1.23 ug/l

RT: 1.72 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

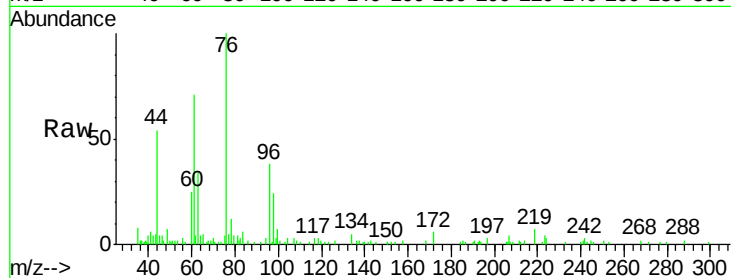
LOD-SOIL2015-01

Tgt Ion: 76 Resp: 28041

Ion Ratio Lower Upper

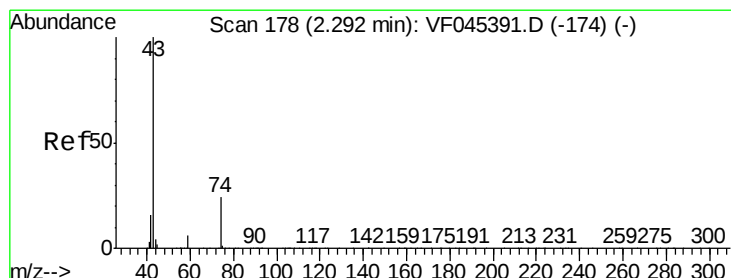
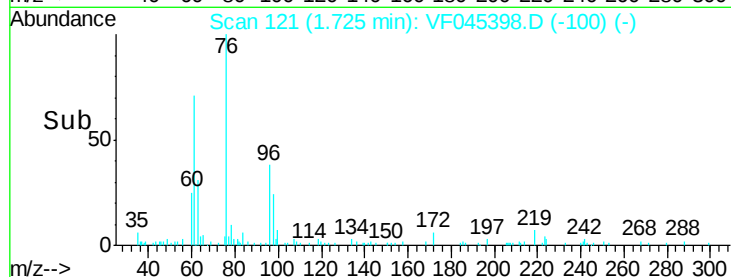
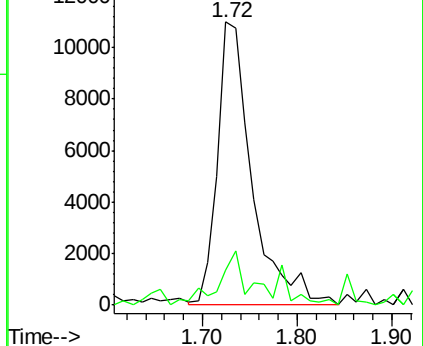
76 100

78 12.3 7.6 11.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 2.48 ug/l

RT: 2.29 min Scan# 178

Delta R.T. -0.01 min

Lab File: VF045398.D

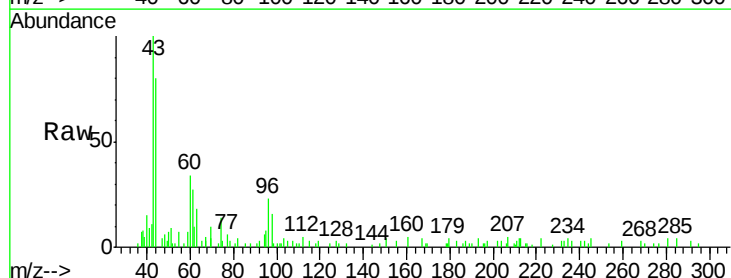
Acq: 16 Sep 2015 19:38

Tgt Ion: 43 Resp: 25402

Ion Ratio Lower Upper

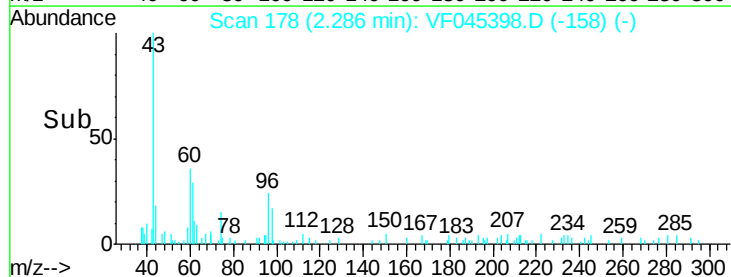
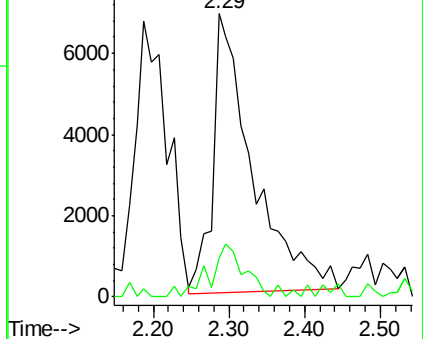
43 100

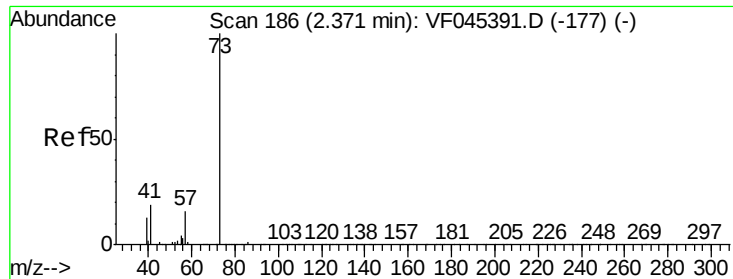
74 13.9 15.1 22.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

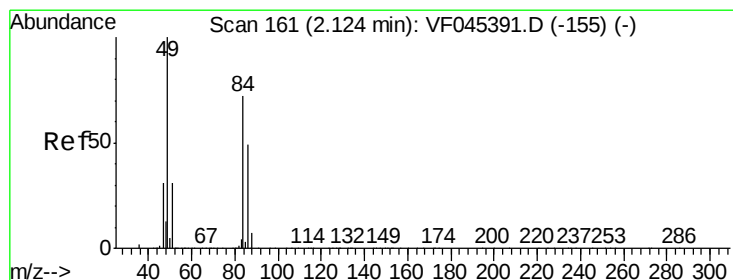
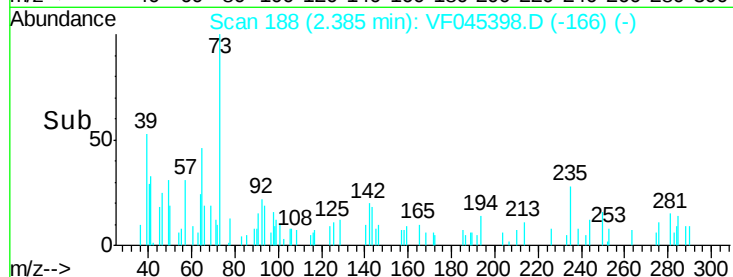
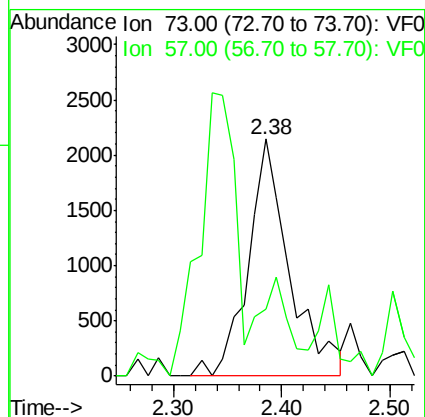
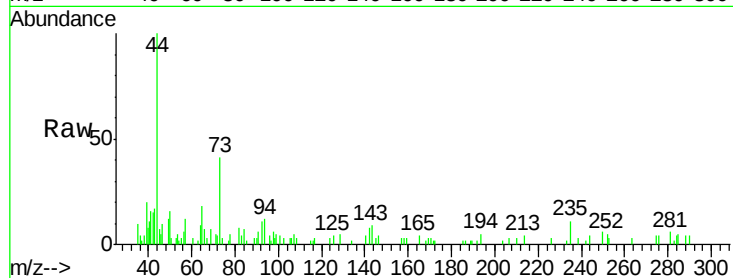




#19
Methyl tert-butyl Ether
Concen: 1.08 ug/l
RT: 2.38 min Scan# 188
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

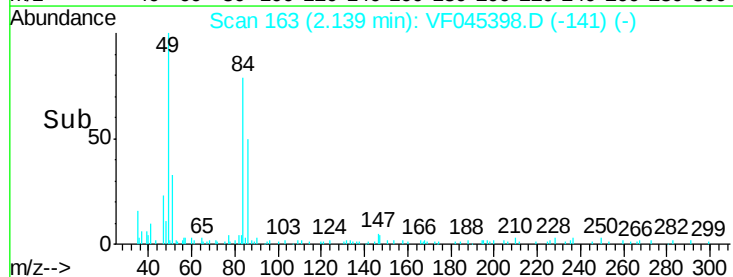
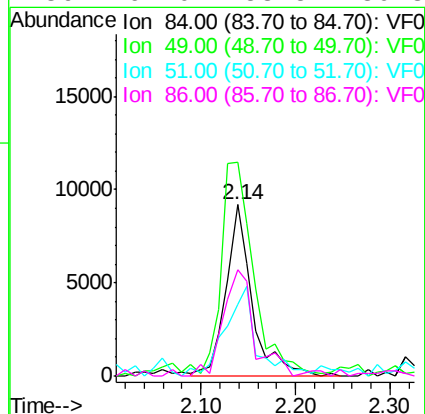
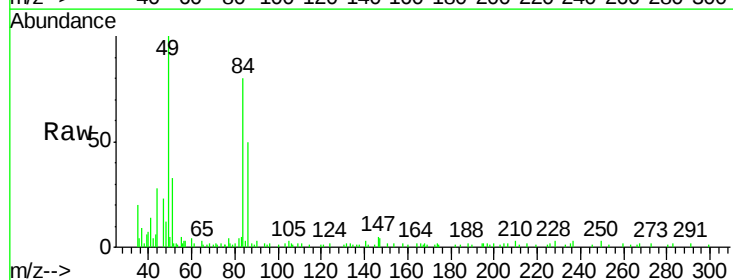
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

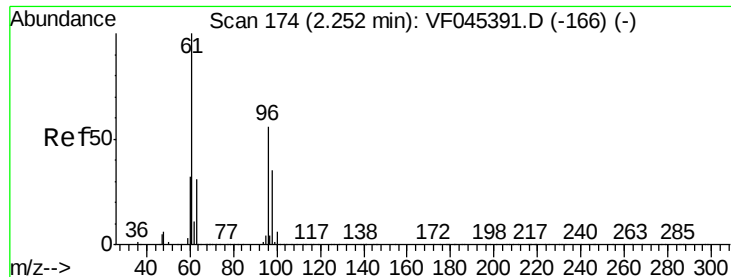
Tgt Ion: 73 Resp: 5704
Ion Ratio Lower Upper
73 100
57 28.5 12.9 19.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.14 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion: 84 Resp: 17652
Ion Ratio Lower Upper
84 100
49 124.5 122.8 184.2
51 41.5 35.4 53.2
86 62.0 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 1.23 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

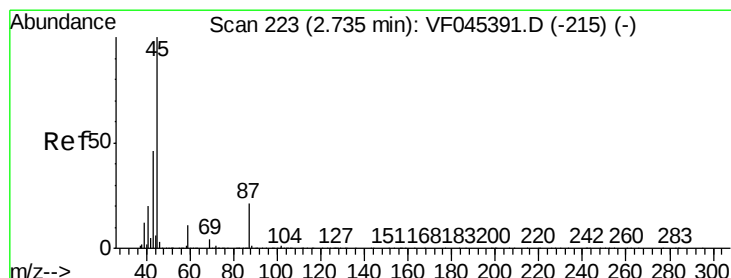
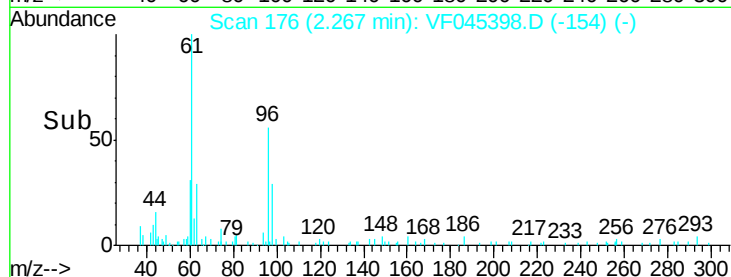
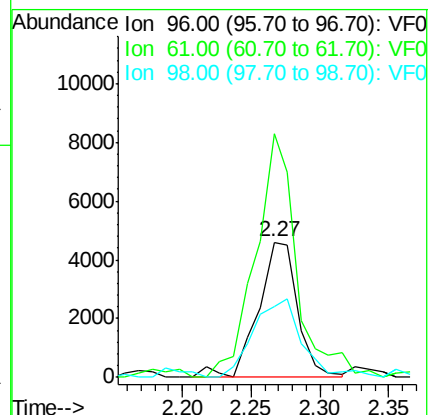
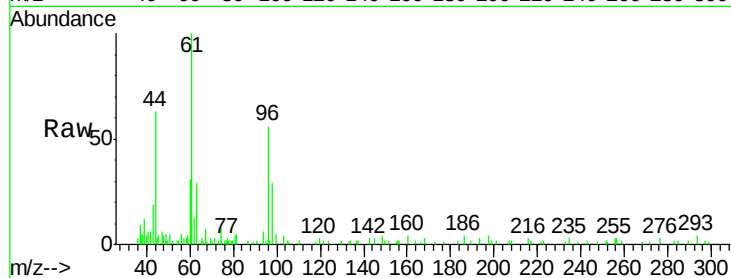
Tgt Ion: 96 Resp: 9217

Ion Ratio Lower Upper

96 100

61 180.1 136.8 205.2

98 52.6 51.0 76.4



#22

Diisopropyl ether

Concen: 1.44 ug/l

RT: 2.76 min Scan# 226

Delta R.T. 0.02 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion: 45 Resp: 31965

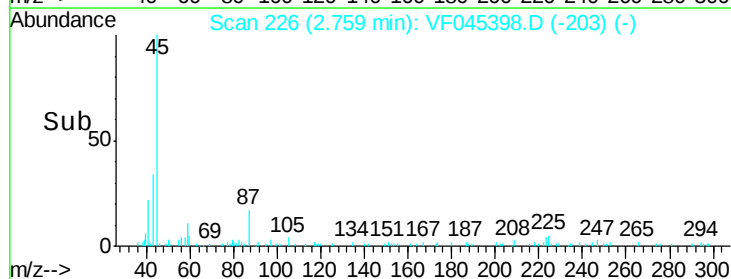
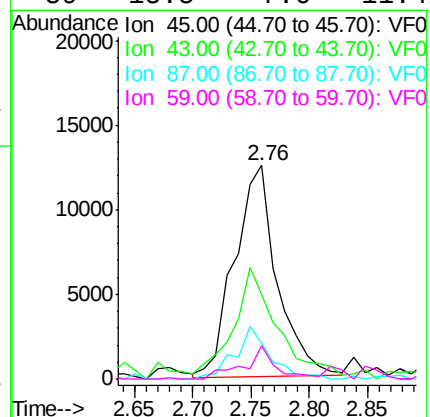
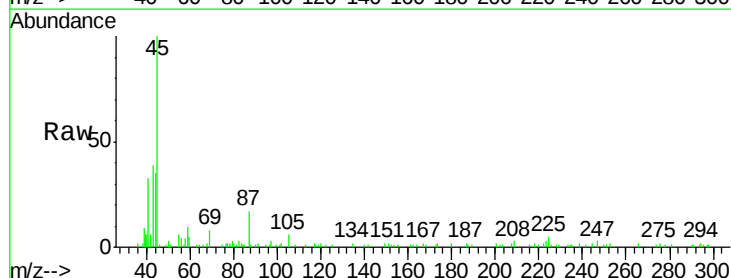
Ion Ratio Lower Upper

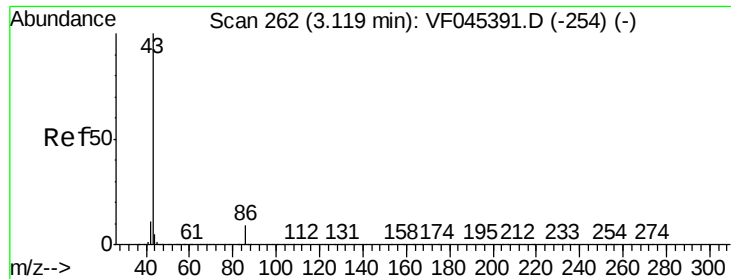
45 100

43 39.3 42.2 63.4#

87 16.7 16.6 25.0

59 15.5 7.6 11.4#





#23

Vinyl Acetate

Concen: 6.16 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

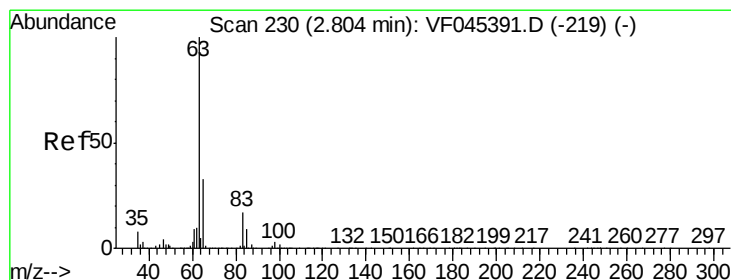
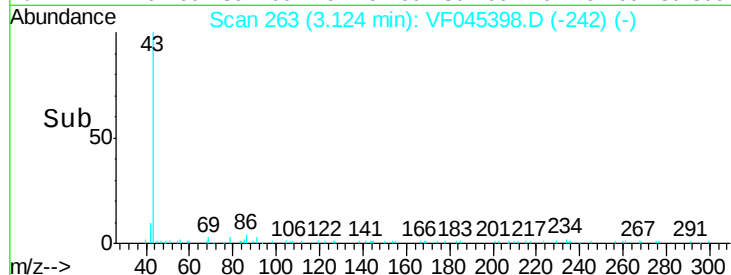
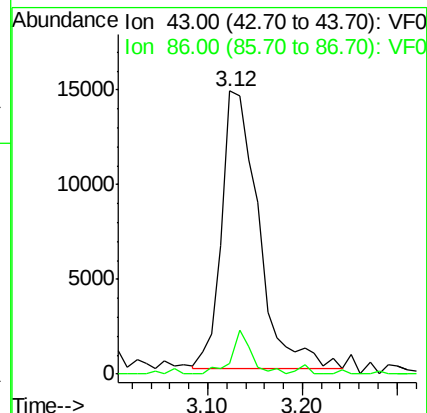
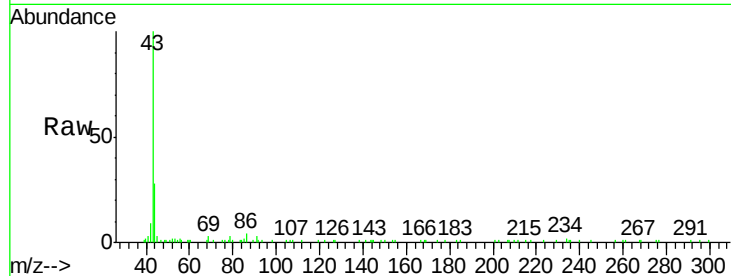
LOD-SOIL2015-01

Tgt Ion: 43 Resp: 39939

Ion Ratio Lower Upper

43 100

86 4.0 6.3 9.5#



#24

1,1-Dichloroethane

Concen: 1.32 ug/l

RT: 2.83 min Scan# 233

Delta R.T. 0.02 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

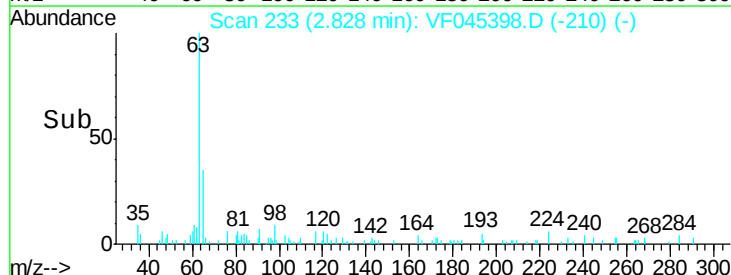
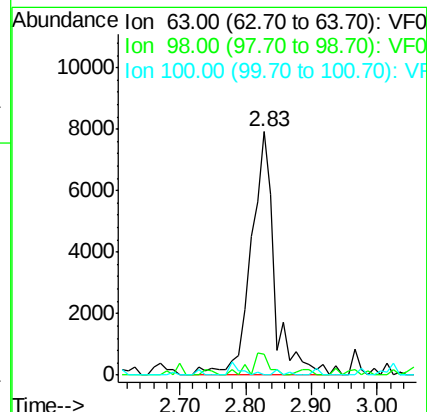
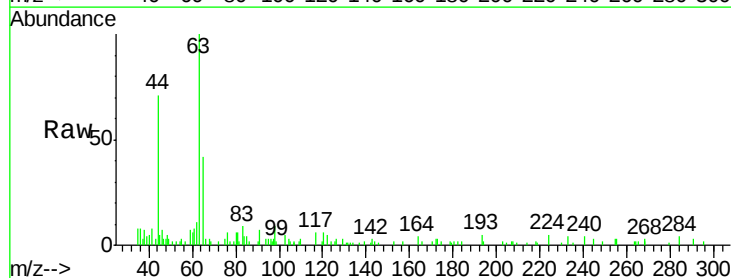
Tgt Ion: 63 Resp: 19868

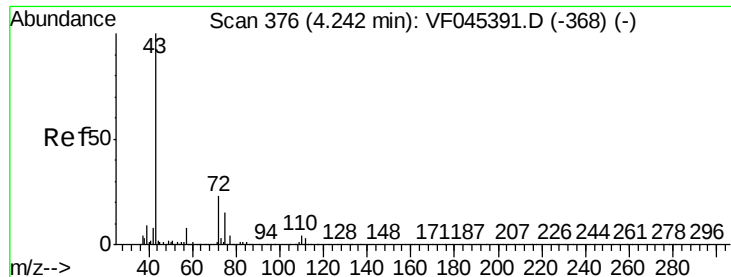
Ion Ratio Lower Upper

63 100

98 8.8 2.2 6.6#

100 0.0 1.1 3.5#





#25

2-Butanone

Concen: 6.70 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.03 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

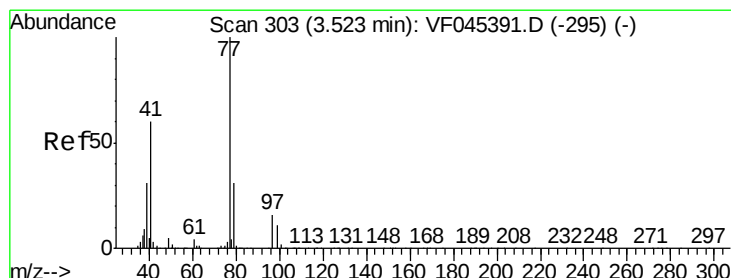
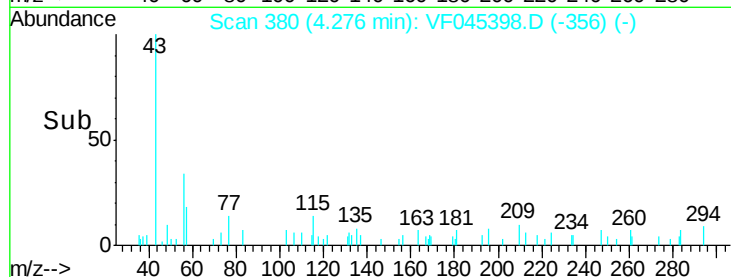
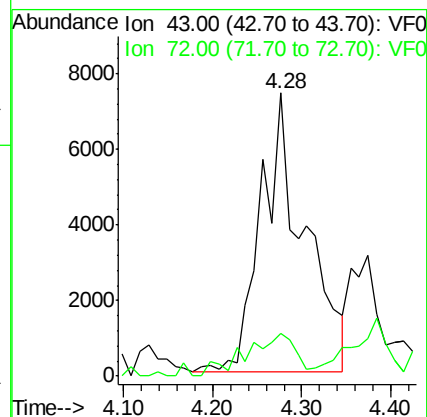
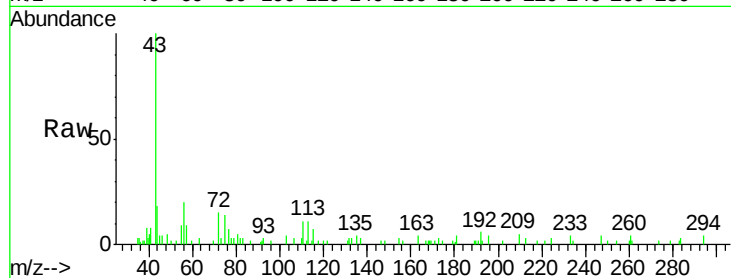
LOD-SOIL2015-01

Tgt Ion: 43 Resp: 25014

Ion Ratio Lower Upper

43 100

72 14.9 20.2 30.2#



#26

2,2-Dichloropropane

Concen: 1.06 ug/l

RT: 3.54 min Scan# 305

Delta R.T. 0.01 min

Lab File: VF045398.D

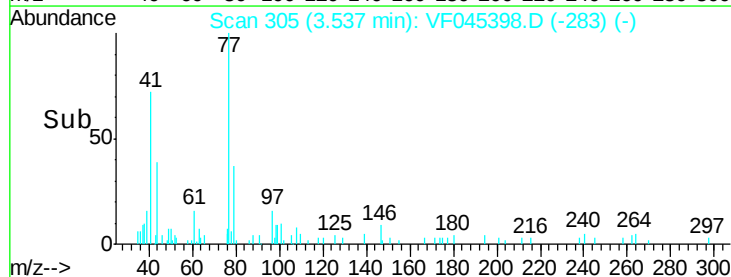
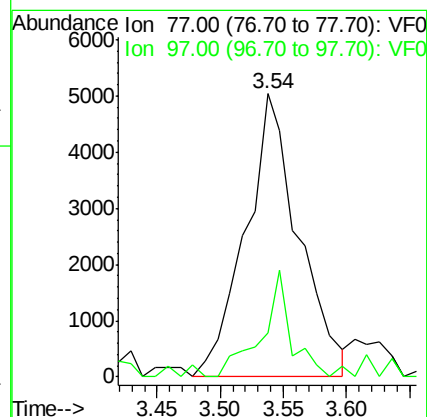
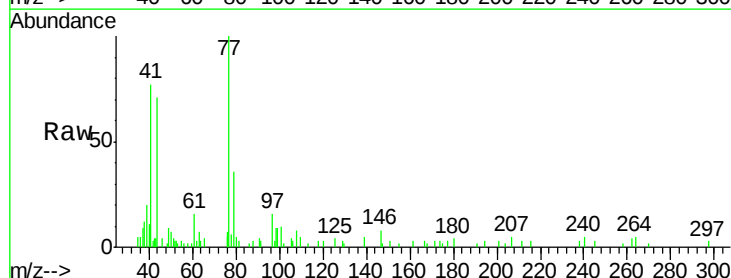
Acq: 16 Sep 2015 19:38

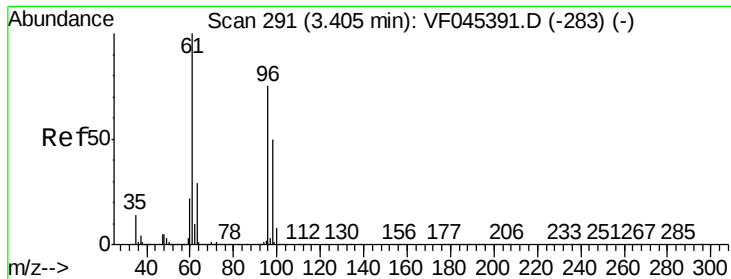
Tgt Ion: 77 Resp: 14765

Ion Ratio Lower Upper

77 100

97 15.7 9.2 27.4



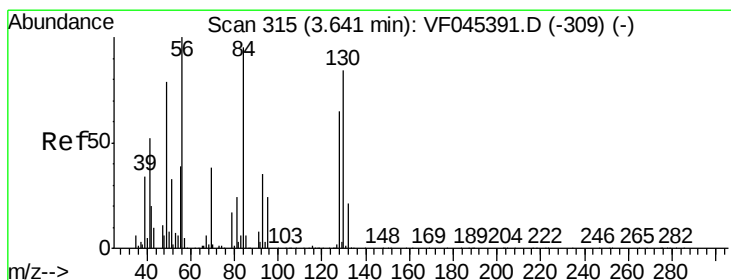
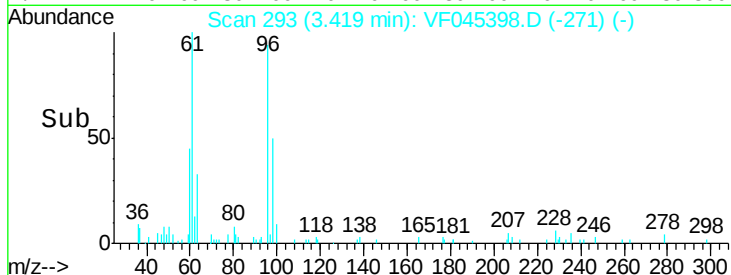
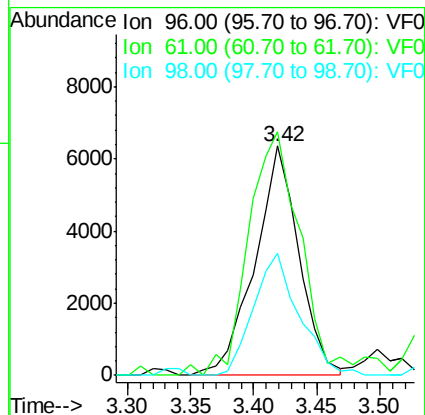
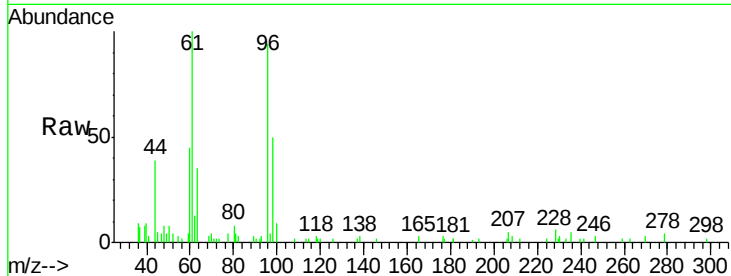


#27

cis-1,2-Dichloroethene
 Concen: 1.33 ug/l
 RT: 3.42 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

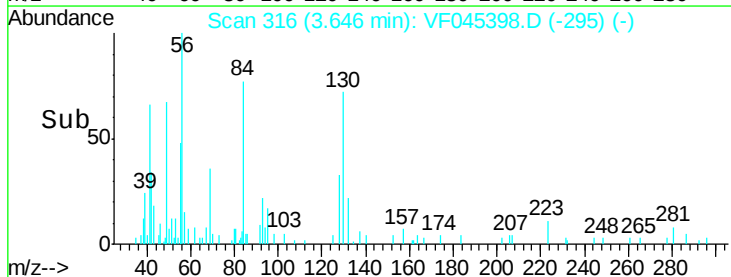
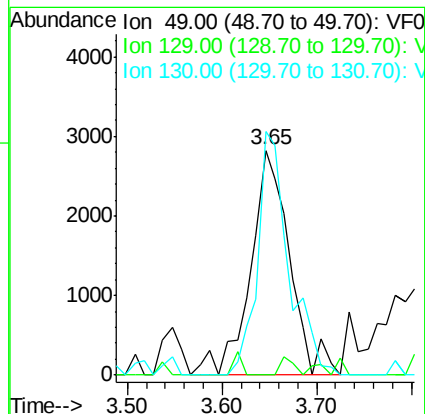
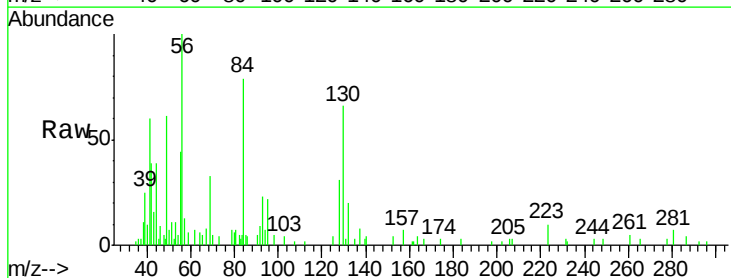
Tgt Ion	Ratio	Lower	Upper
96	100		
61	106.3	0.0	268.6
98	53.0	0.0	135.8

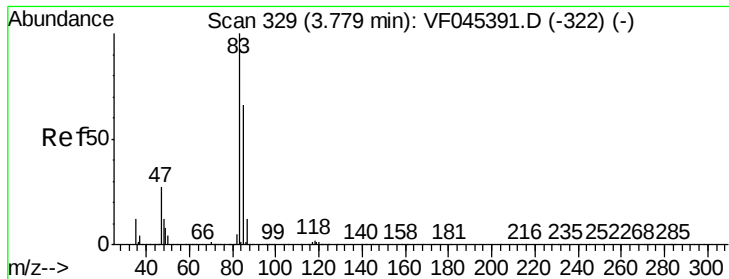


#28

Bromochloromethane
 Concen: 1.38 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	108.5	79.6	119.4





#29

Chloroform

Concen: 1.26 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

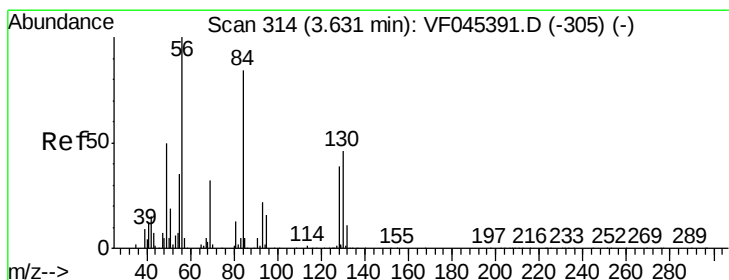
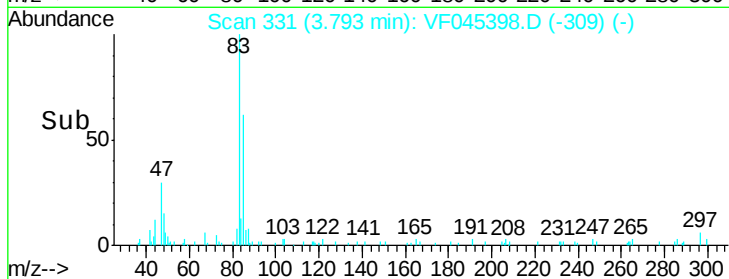
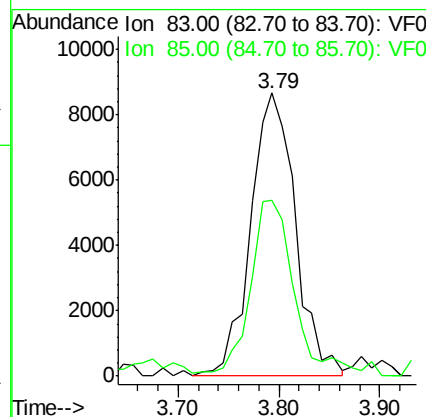
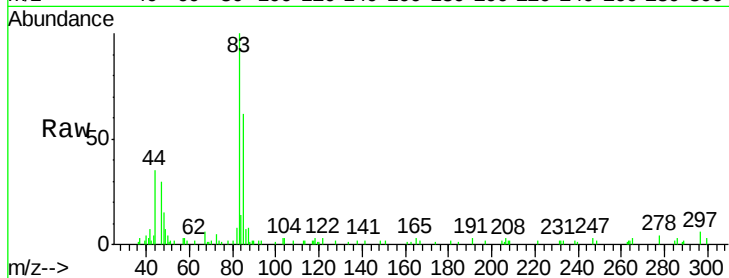
LOD-SOIL2015-01

Tgt Ion: 83 Resp: 26703

Ion Ratio Lower Upper

83 100

85 62.1 51.6 77.4



#30

Cyclohexane

Concen: 1.33 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

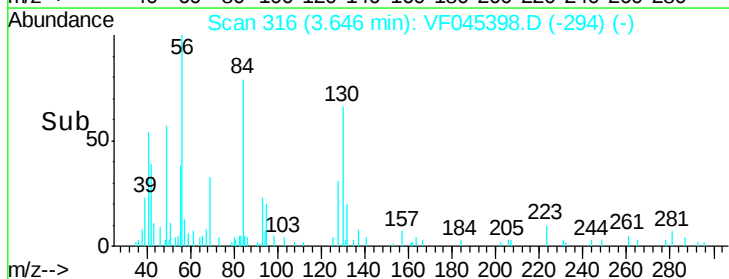
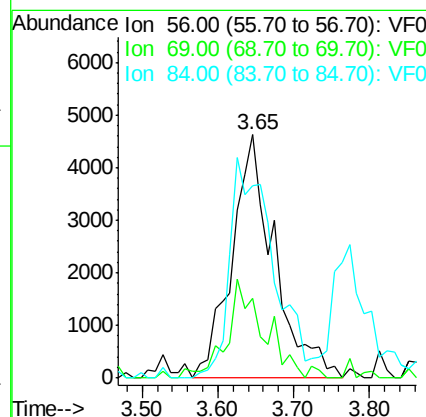
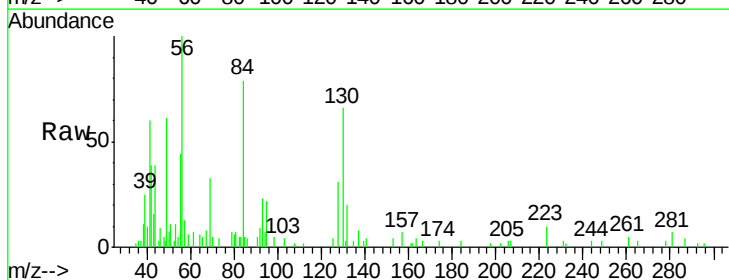
Tgt Ion: 56 Resp: 18047

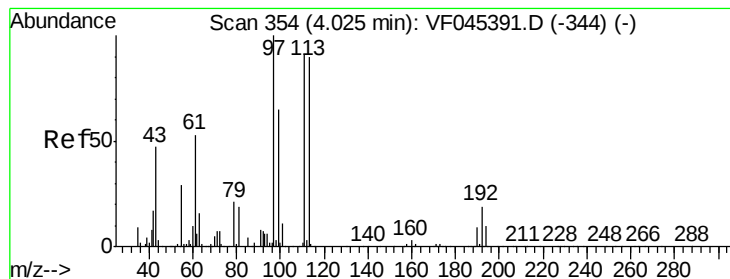
Ion Ratio Lower Upper

56 100

69 32.8 26.1 39.1

84 79.1 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 1.17 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

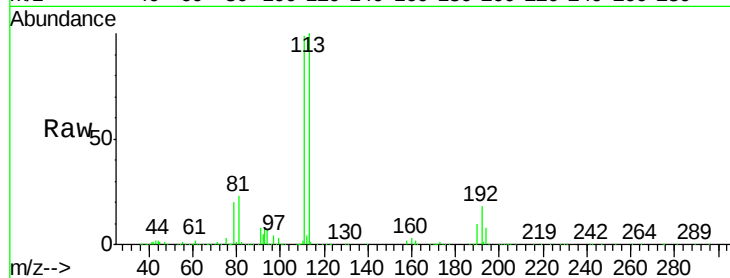
Tgt Ion: 97 Resp: 20379

Ion Ratio Lower Upper

97 100

99 70.7 51.1 76.7

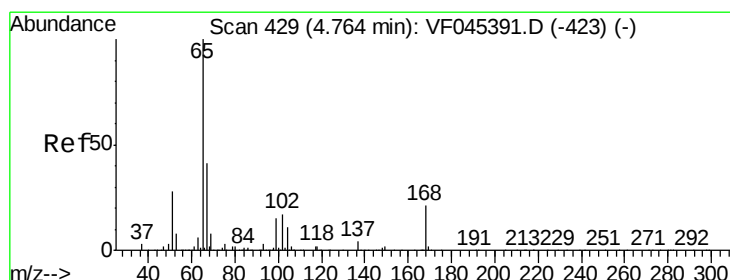
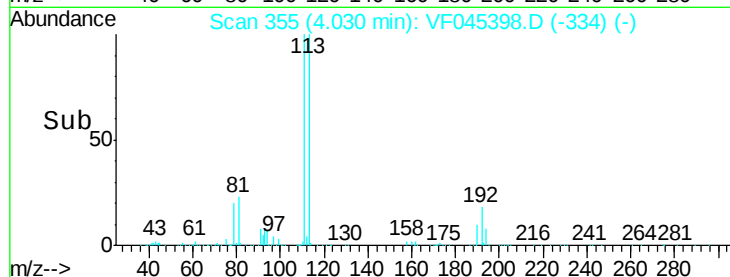
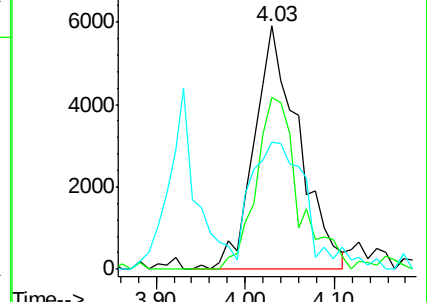
61 56.4 37.8 56.6



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#32

1,2-Dichloroethane-d4

Concen: 48.44 ug/l

RT: 4.78 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF045398.D

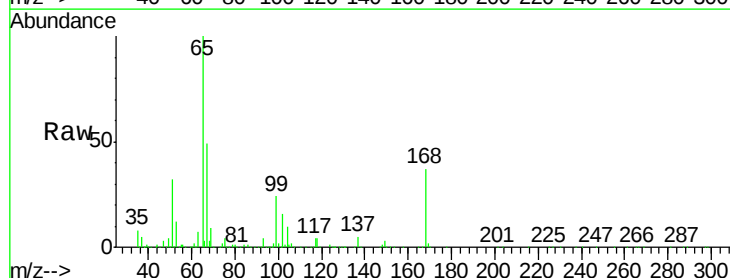
Acq: 16 Sep 2015 19:38

Tgt Ion: 65 Resp: 569465

Ion Ratio Lower Upper

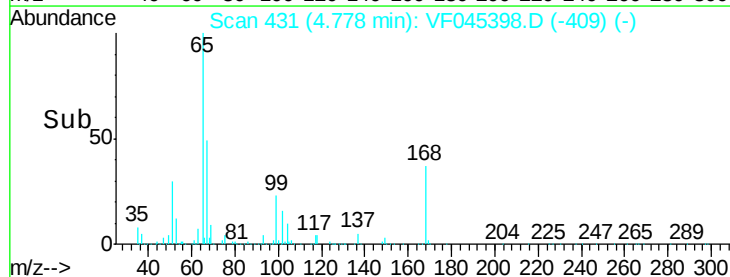
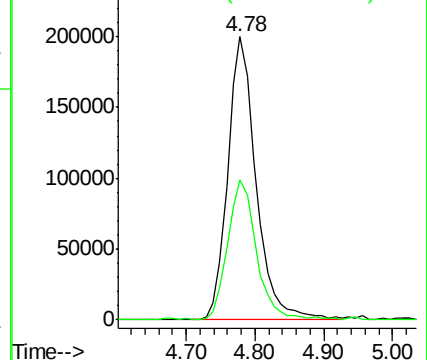
65 100

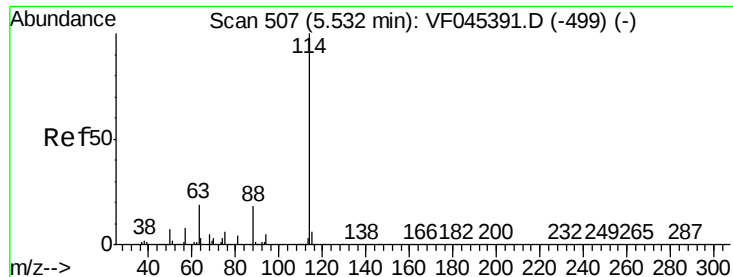
67 49.4 0.0 102.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

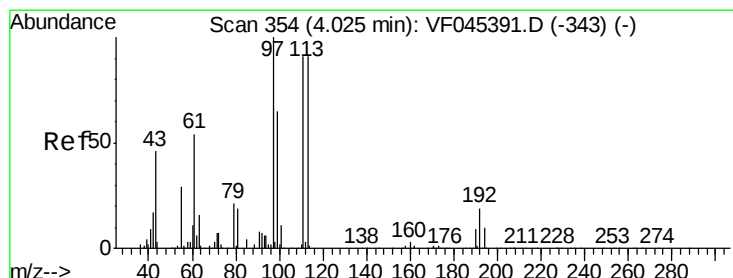
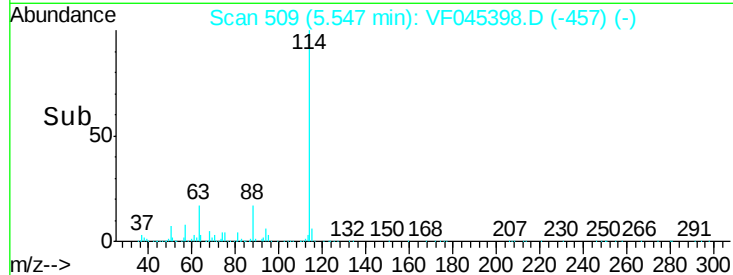
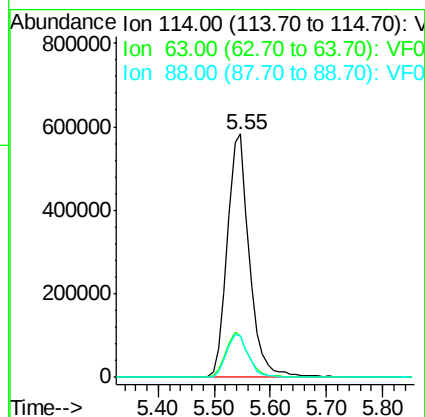
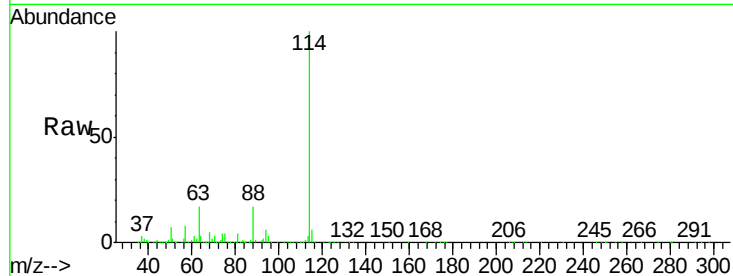




#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.55 min Scan# 509
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

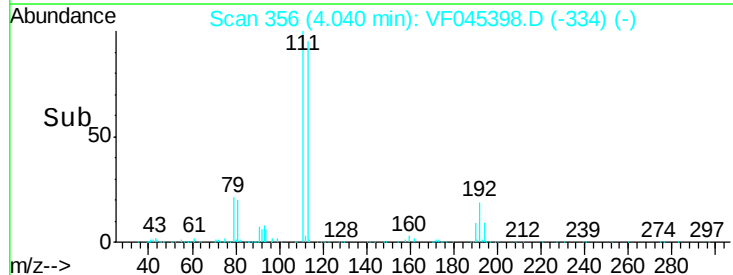
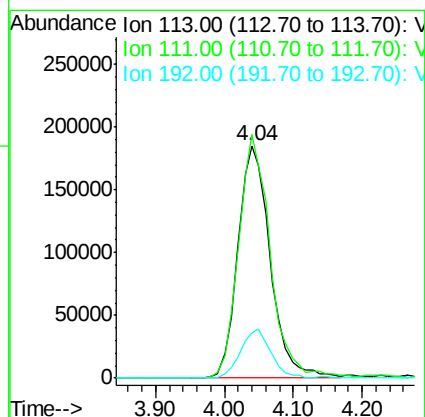
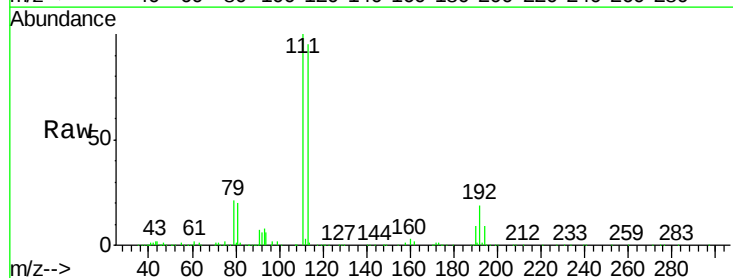
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

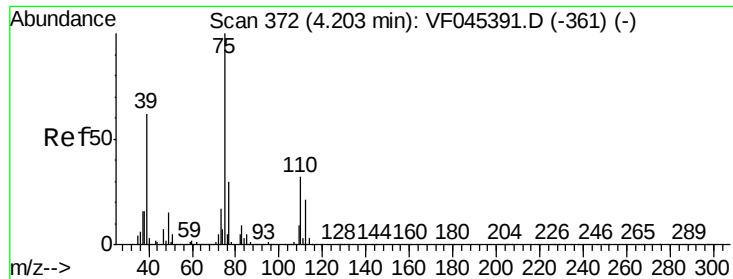
Tgt Ion:114 Resp: 1594509
Ion Ratio Lower Upper
114 100
63 17.2 0.0 39.2
88 16.8 0.0 37.0



#34
Dibromofluoromethane
Concen: 48.60 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion:113 Resp: 600237
Ion Ratio Lower Upper
113 100
111 104.9 75.5 113.3
192 19.7 15.6 23.4





#35

1,1-Dichloropropene

Concen: 1.55 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

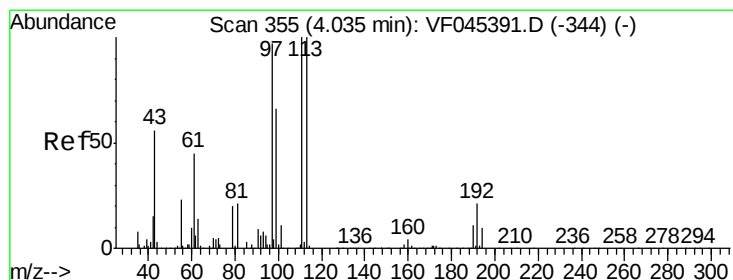
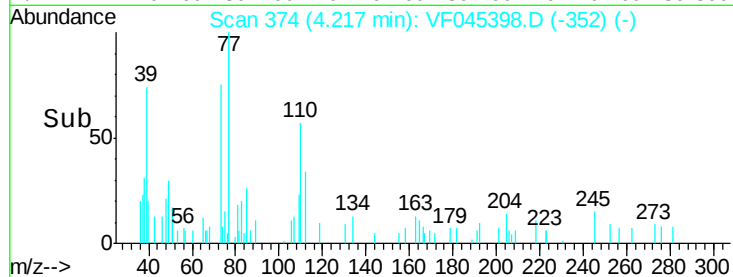
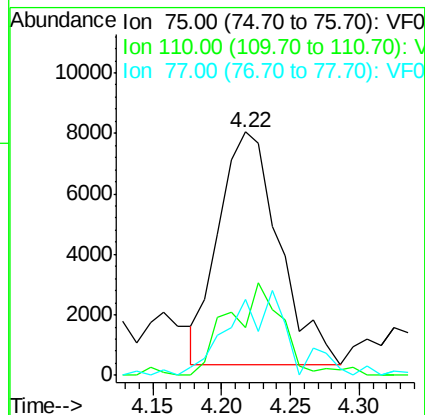
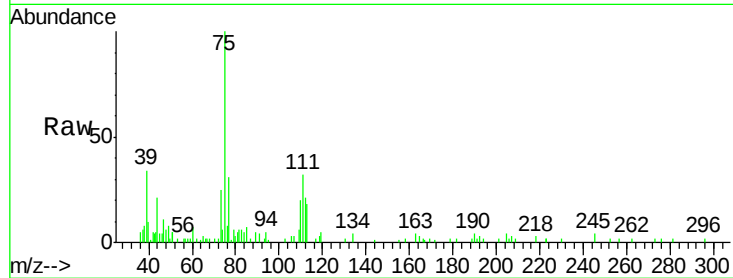
Tgt Ion: 75 Resp: 23446

Ion Ratio Lower Upper

75 100

110 19.6 15.9 47.6

77 31.2 24.2 36.4



#36

Ethyl Acetate

Concen: 2.02 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

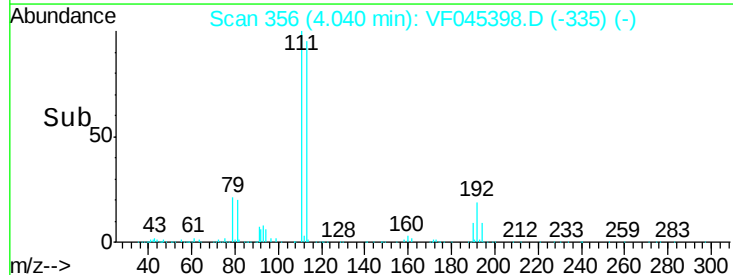
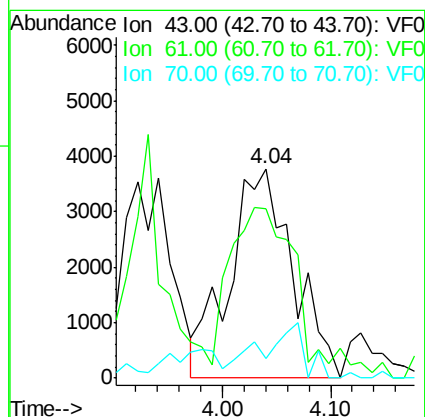
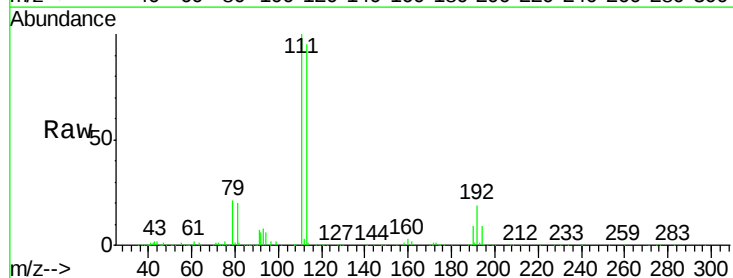
Tgt Ion: 43 Resp: 15443

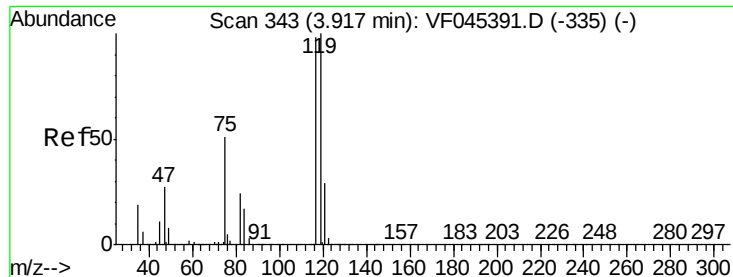
Ion Ratio Lower Upper

43 100

61 81.0 49.4 74.0#

70 9.1 10.8 16.2#





#37

Carbon Tetrachloride

Concen: 1.21 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

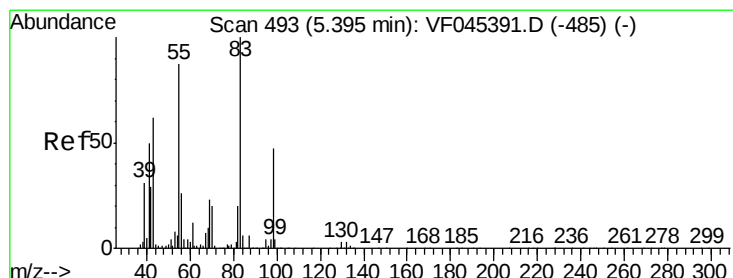
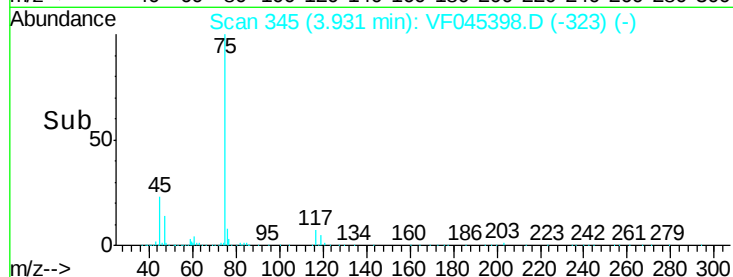
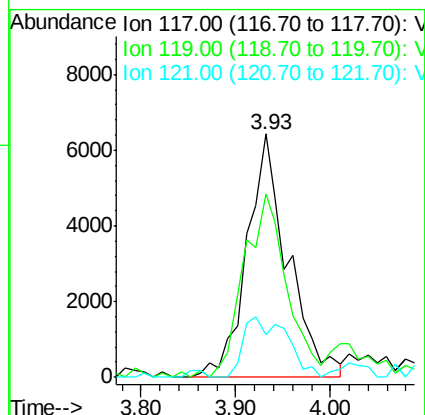
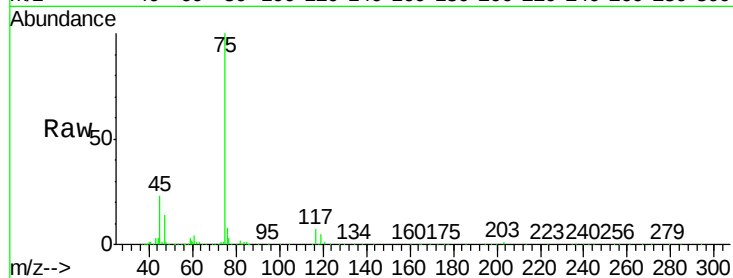
Tgt Ion:117 Resp: 19287

Ion Ratio Lower Upper

117 100

119 75.6 77.8 116.8#

121 17.4 25.4 38.0#



#38

Methylcyclohexane

Concen: 1.27 ug/l

RT: 5.41 min Scan# 495

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

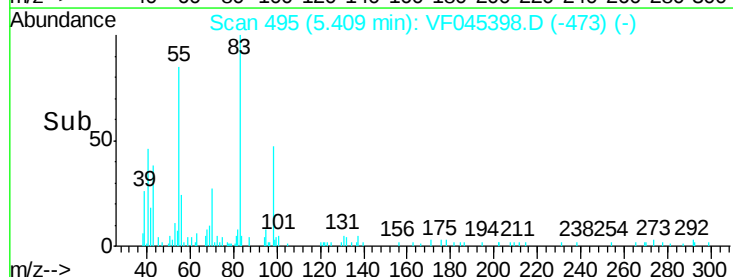
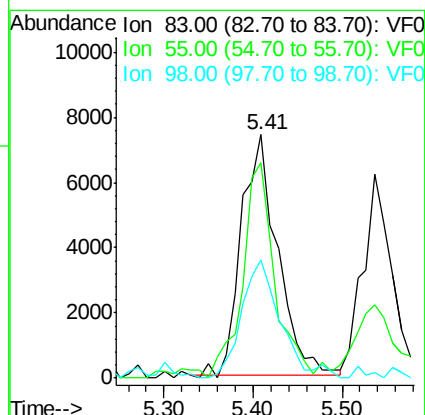
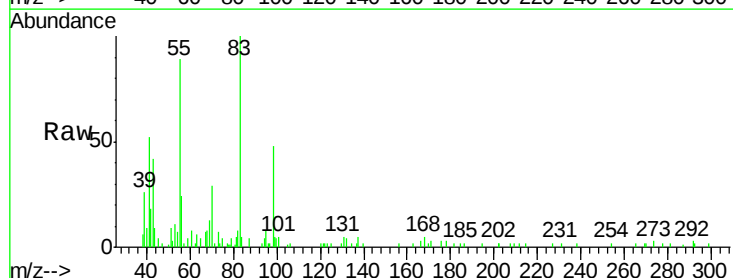
Tgt Ion: 83 Resp: 20677

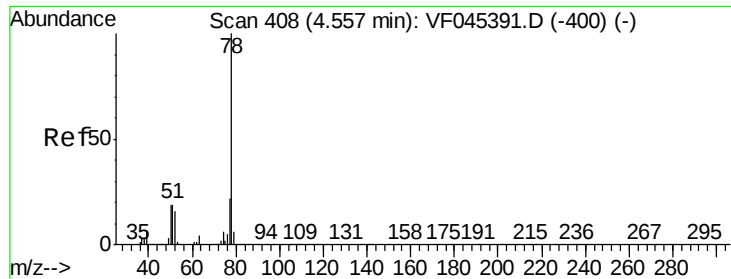
Ion Ratio Lower Upper

83 100

55 88.6 60.5 90.7

98 48.3 38.1 57.1





#39

Benzene

Concen: 1.21 ug/l

RT: 4.58 min Scan# 411

Delta R.T. 0.02 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

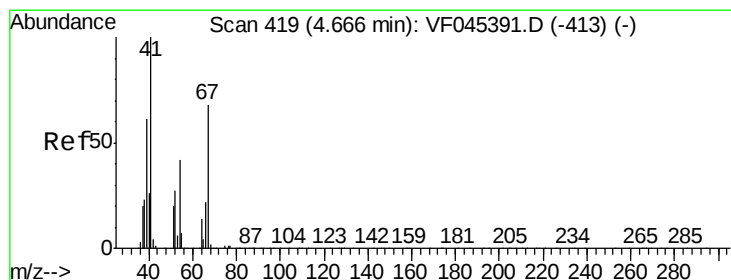
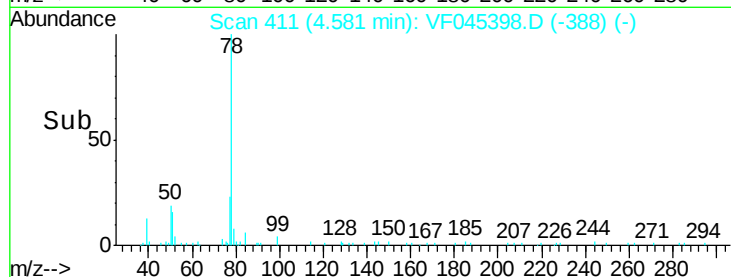
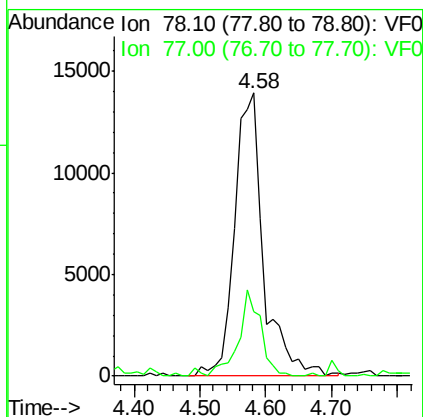
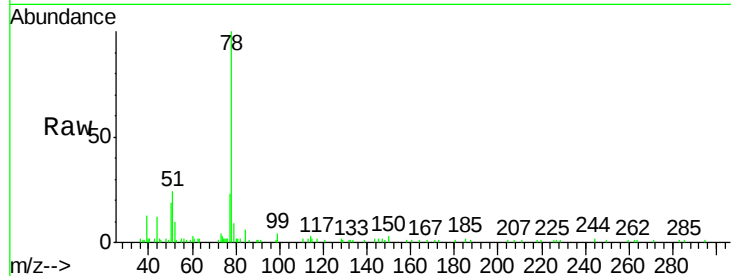
LOD-SOIL2015-01

Tgt Ion: 78 Resp: 42925

Ion Ratio Lower Upper

78 100

77 22.9 18.6 28.0



#40

Methacrylonitrile

Concen: 1.45 ug/l

RT: 4.69 min Scan# 422

Delta R.T. 0.02 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion: 41 Resp: 5255

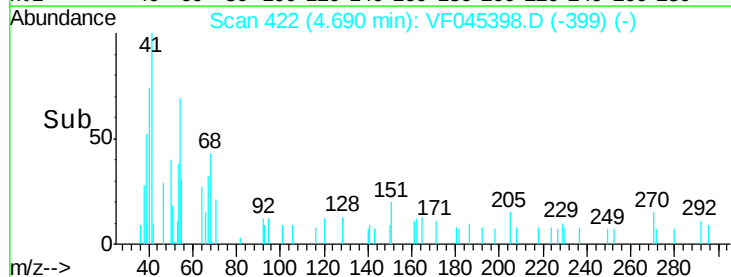
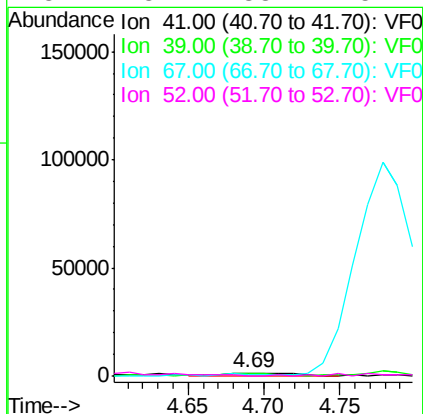
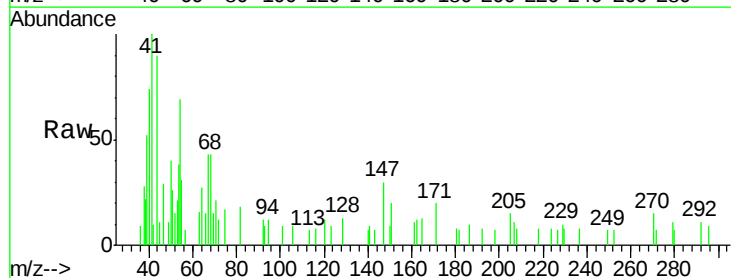
Ion Ratio Lower Upper

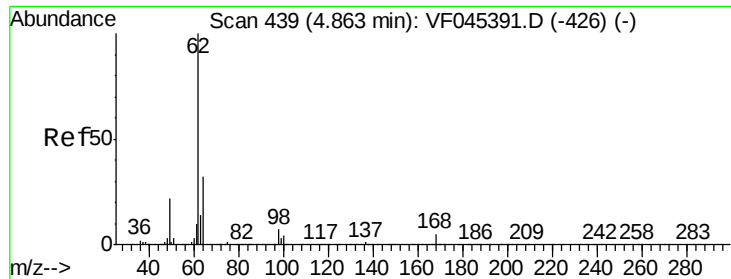
41 100

39 74.1 44.9 67.3#

67 43.1 49.0 73.4#

52 15.4 38.2 57.2#





#41

1,2-Dichloroethane

Concen: 1.21 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.02 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

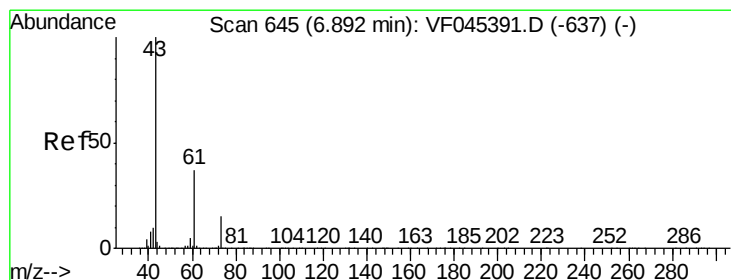
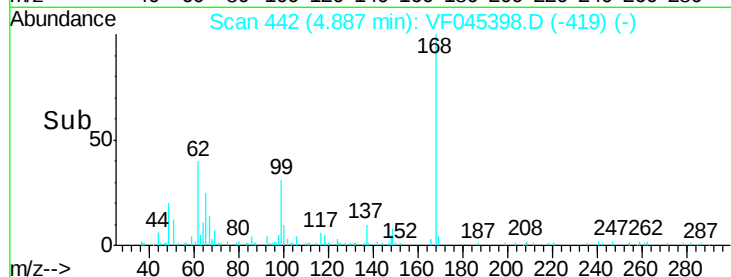
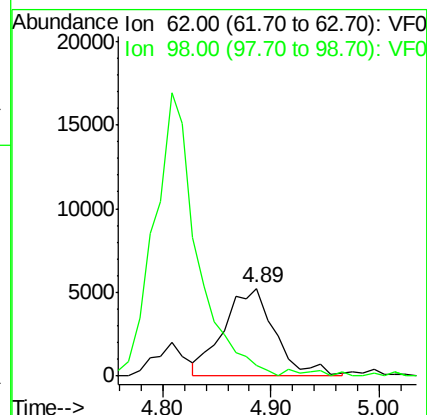
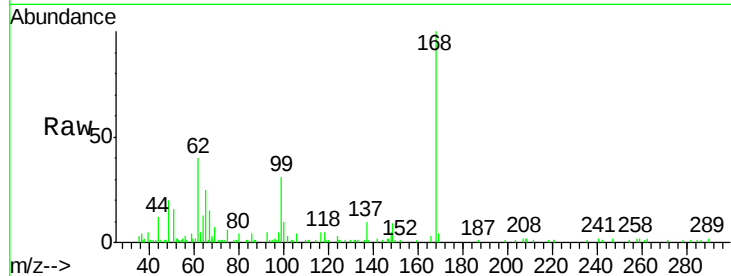
LOD-SOIL2015-01

Tgt Ion: 62 Resp: 17327

Ion Ratio Lower Upper

62 100

98 11.7 0.0 17.0



#42

Isopropyl Acetate

Concen: 1.67 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

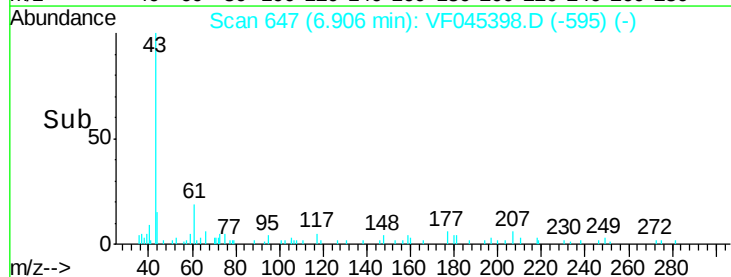
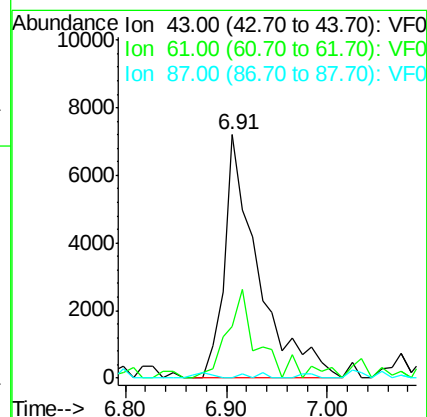
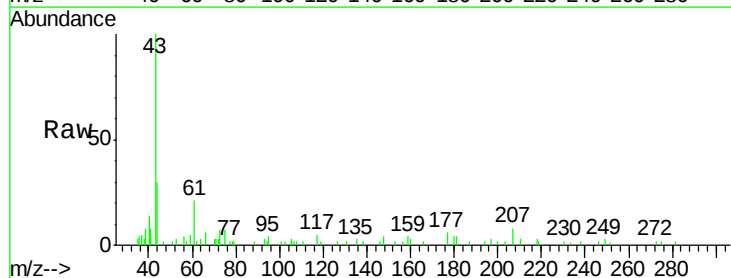
Tgt Ion: 43 Resp: 16795

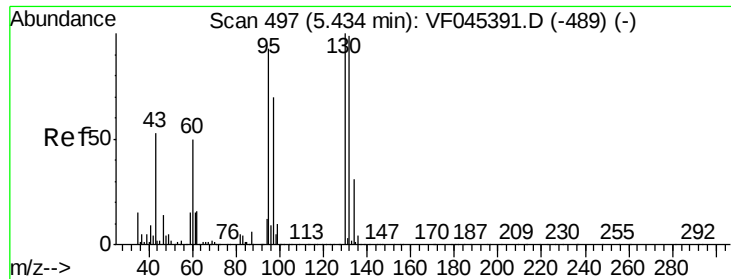
Ion Ratio Lower Upper

43 100

61 21.4 29.8 44.6#

87 0.0 0.2 0.2#





#43

Trichloroethene

Concen: 1.30 ug/l

RT: 5.45 min Scan# 499

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

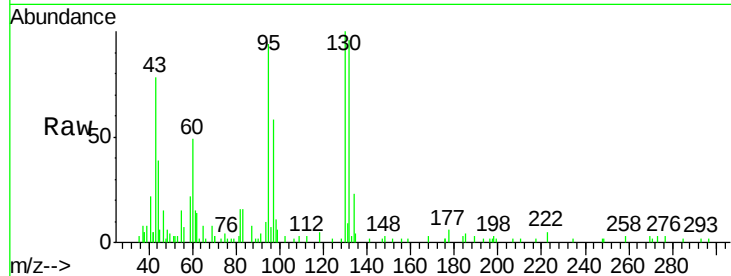
LOD-SOIL2015-01

Tgt Ion:130 Resp: 15758

Ion Ratio Lower Upper

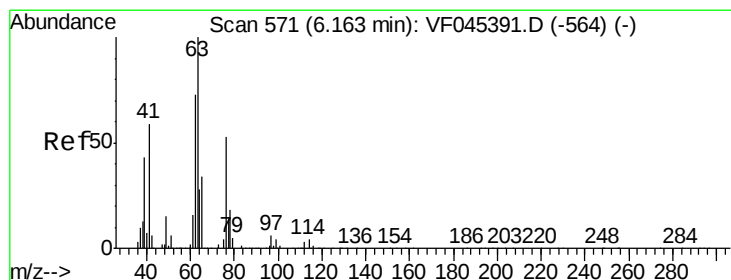
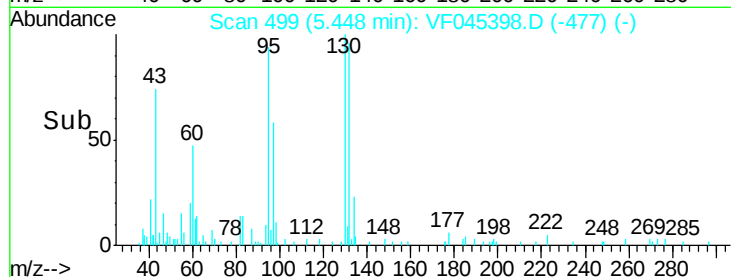
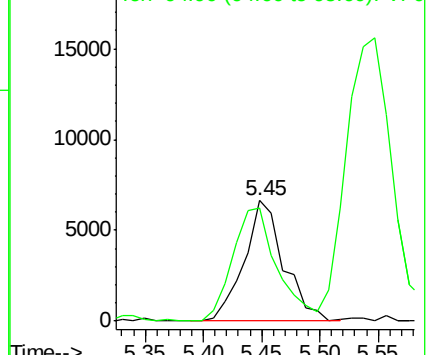
130 100

95 93.6 0.0 192.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#44

1,2-Dichloropropane

Concen: 1.34 ug/l

RT: 6.18 min Scan# 573

Delta R.T. 0.01 min

Lab File: VF045398.D

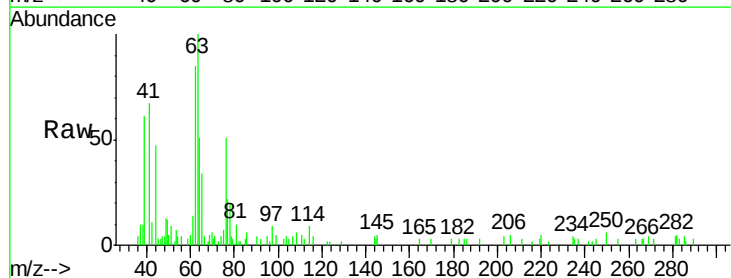
Acq: 16 Sep 2015 19:38

Tgt Ion: 63 Resp: 13799

Ion Ratio Lower Upper

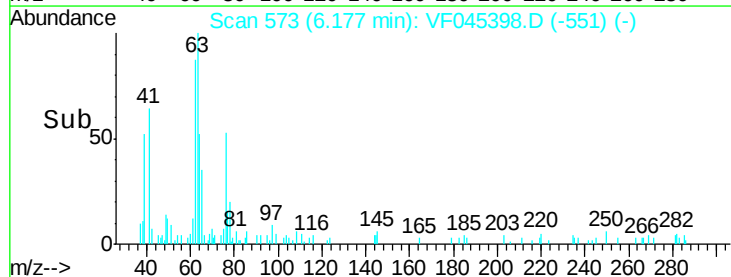
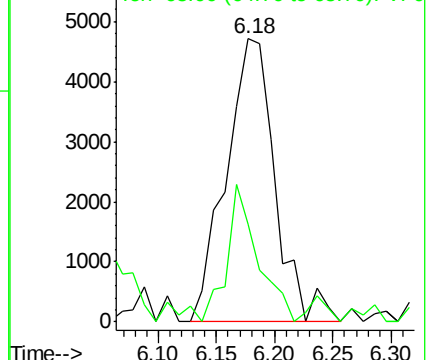
63 100

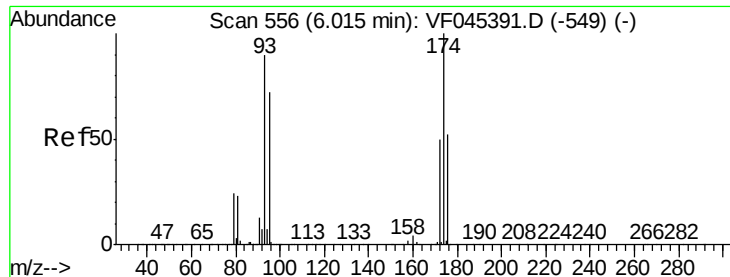
65 34.4 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#45

Dibromomethane

Concen: 1.40 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

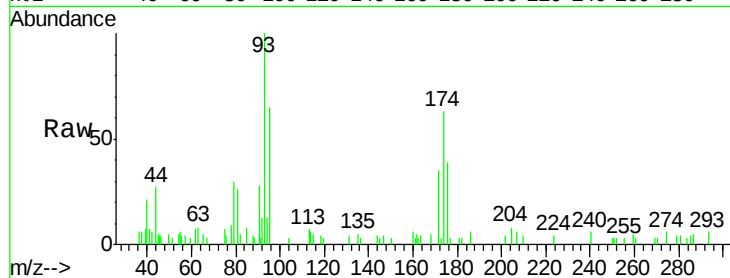
Tgt Ion: 93 Resp: 10282

Ion Ratio Lower Upper

93 100

95 65.1 69.8 104.6#

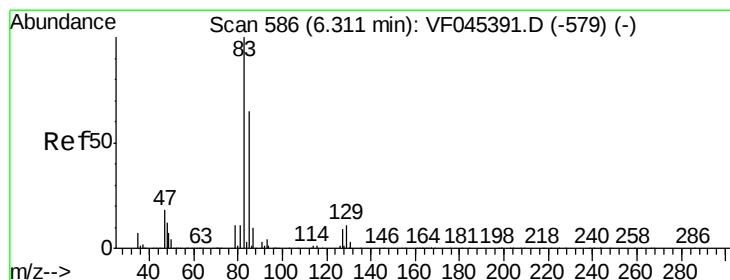
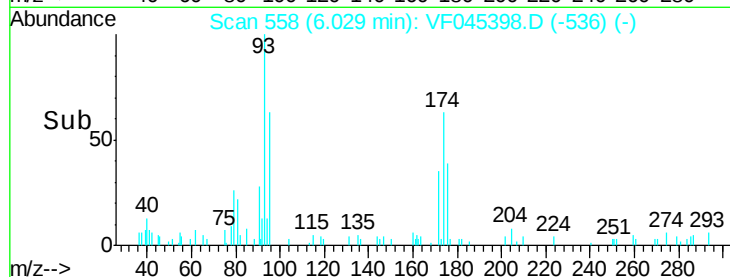
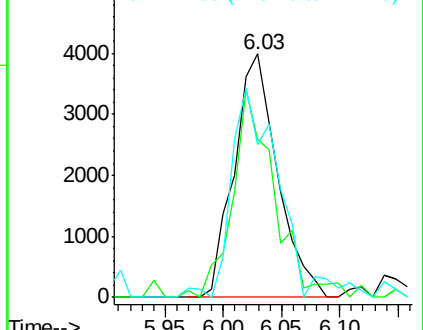
174 62.5 90.5 135.7#



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



#46

Bromodichloromethane

Concen: 1.13 ug/l

RT: 6.32 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

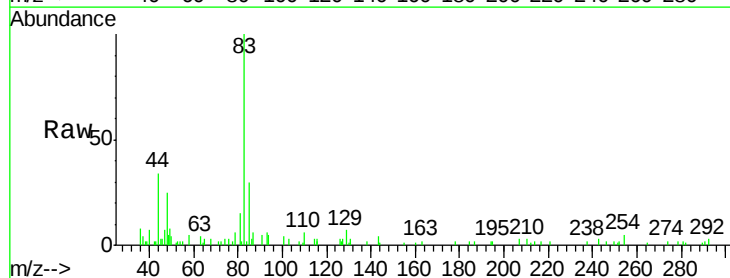
Tgt Ion: 83 Resp: 18536

Ion Ratio Lower Upper

83 100

85 30.3 50.6 75.8#

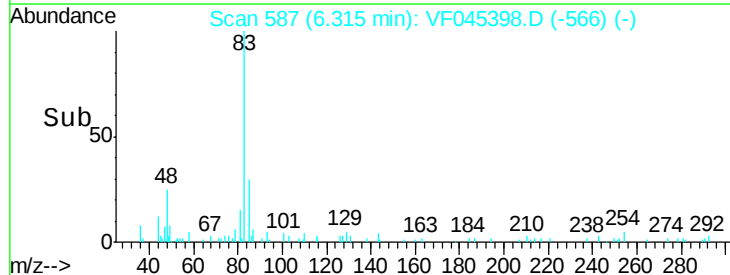
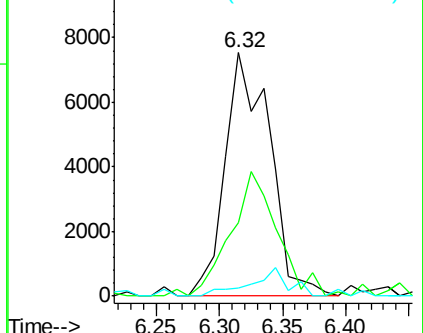
127 3.4 7.7 11.5#

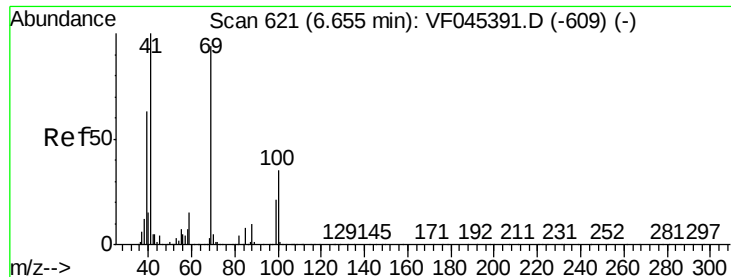


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V





#47

Methyl methacrylate

Concen: 1.17 ug/l

RT: 6.68 min Scan# 624

Delta R.T. 0.02 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

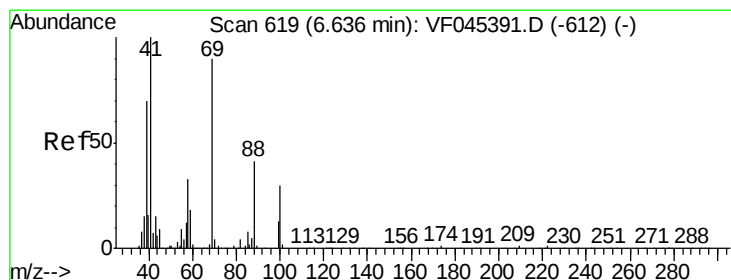
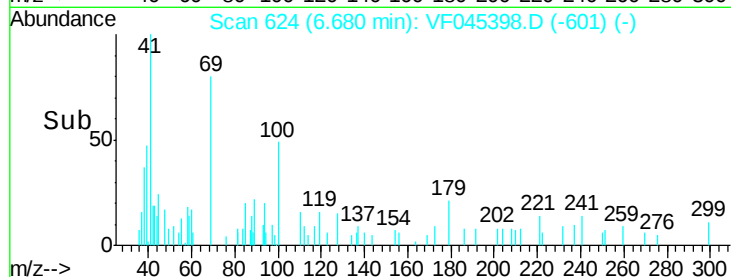
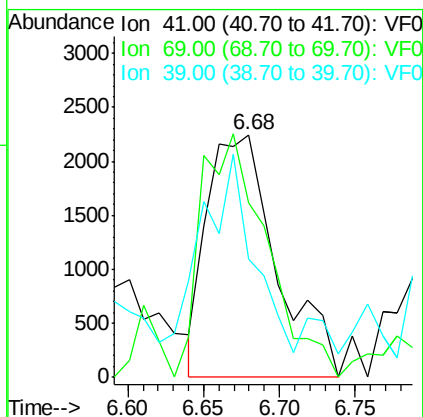
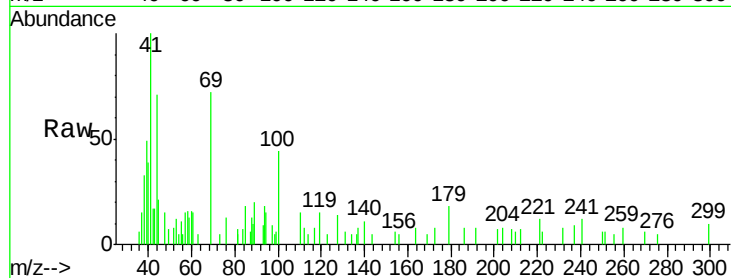
Tgt Ion: 41 Resp: 7166

Ion Ratio Lower Upper

41 100

69 71.9 63.3 94.9

39 48.9 48.9 73.3



#48

1,4-Dioxane

Concen: 19.57 ug/l

RT: 6.67 min Scan# 623

Delta R.T. 0.03 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

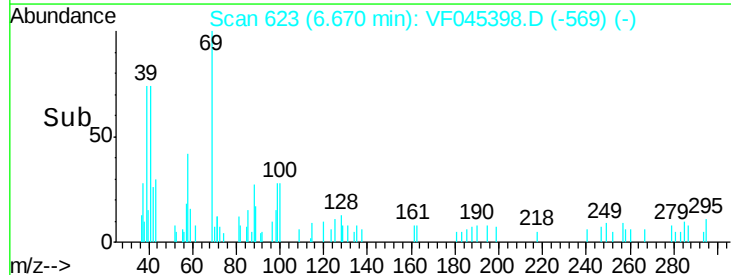
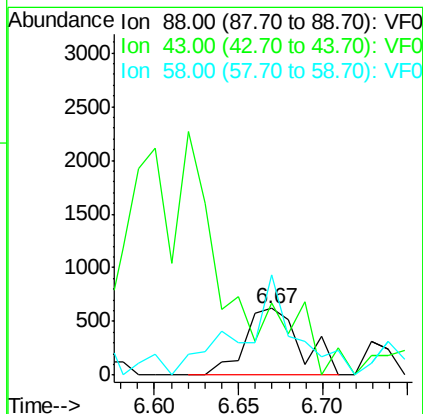
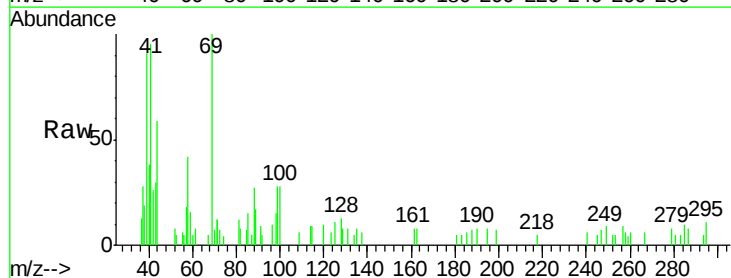
Tgt Ion: 88 Resp: 1435

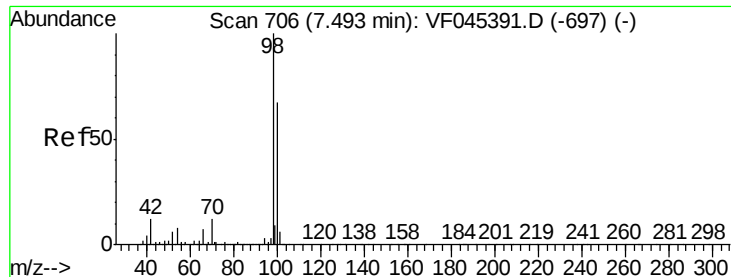
Ion Ratio Lower Upper

88 100

43 109.4 34.5 51.7#

58 151.7 46.5 69.7#





#49

Toluene-d8

Concen: 49.21 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

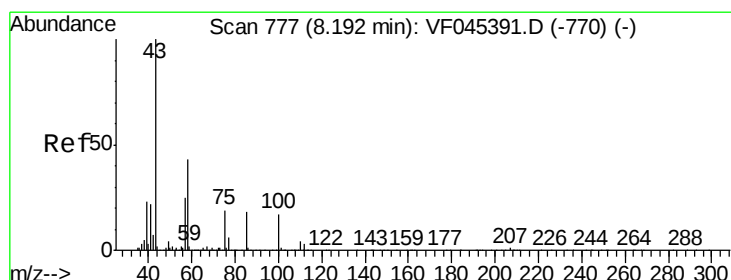
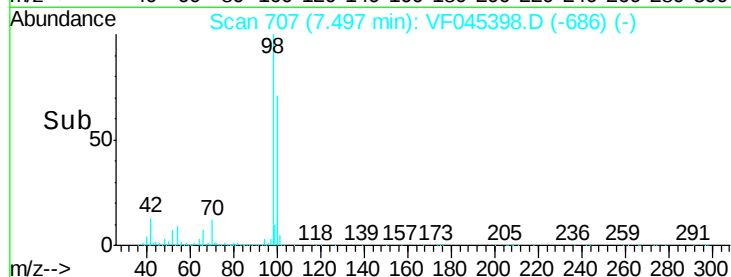
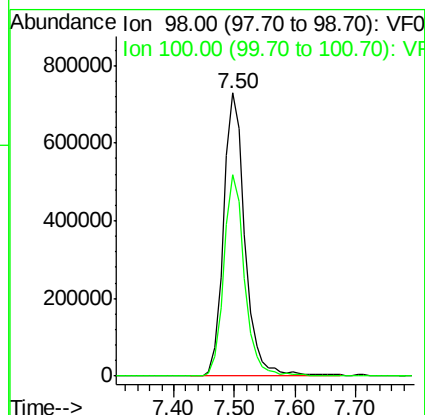
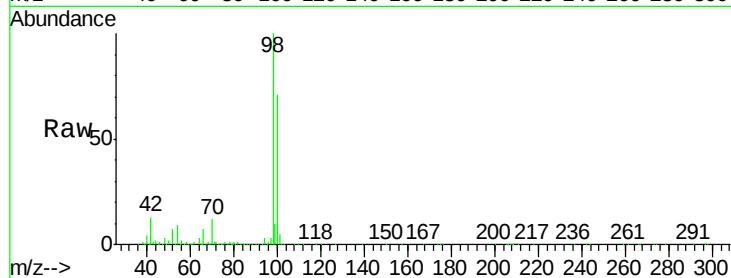
LOD-SOIL2015-01

Tgt Ion: 98 Resp: 1790808

Ion Ratio Lower Upper

98 100

100 71.0 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 7.39 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.01 min

Lab File: VF045398.D

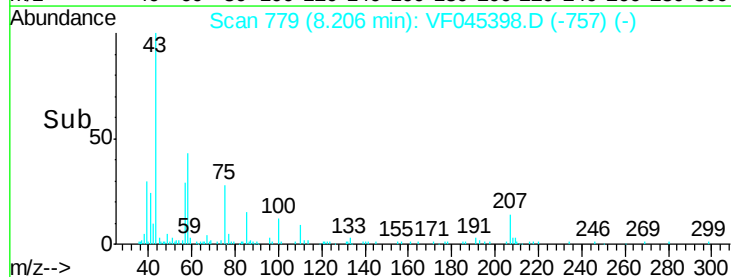
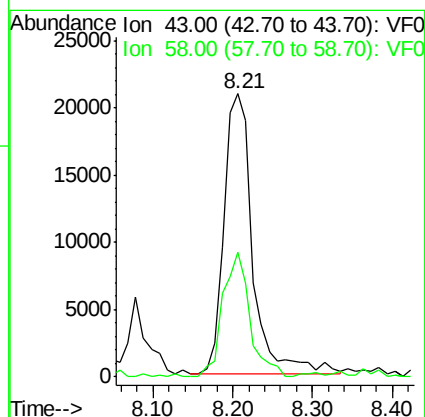
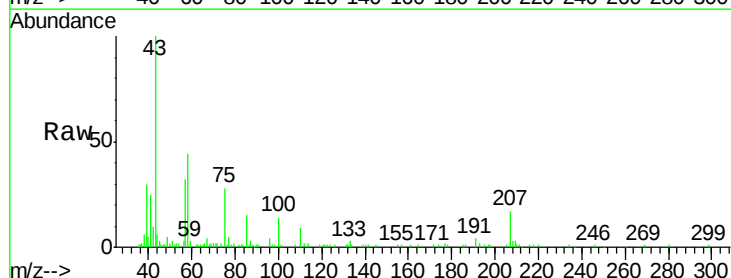
Acq: 16 Sep 2015 19:38

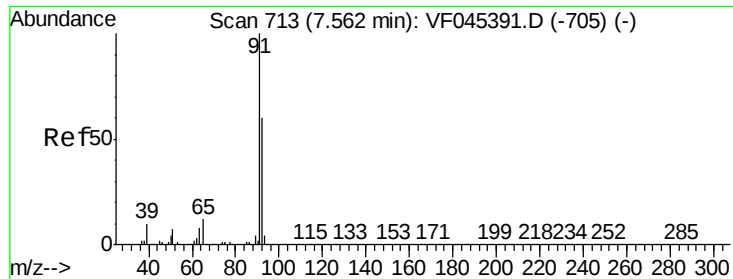
Tgt Ion: 43 Resp: 52981

Ion Ratio Lower Upper

43 100

58 44.2 33.6 50.4





#51

Toluene

Concen: 1.40 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

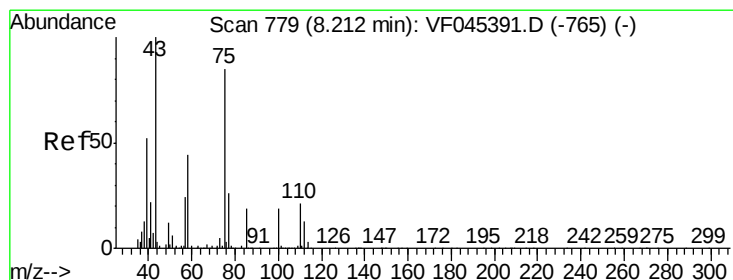
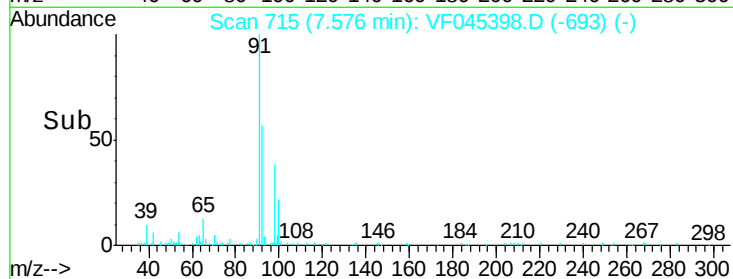
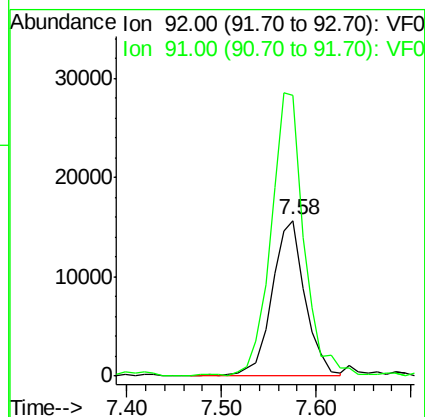
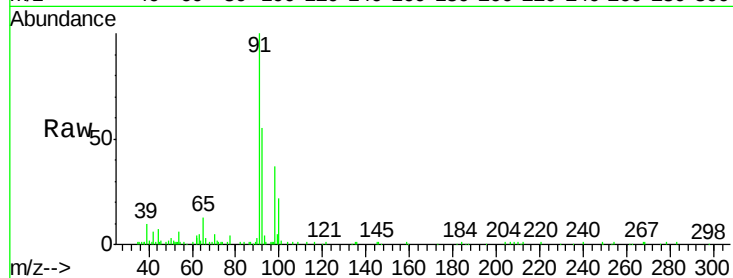
LOD-SOIL2015-01

Tgt Ion: 92 Resp: 38053

Ion Ratio Lower Upper

92 100

91 180.2 133.4 200.0



#52

t-1,3-Dichloropropene

Concen: 1.21 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.00 min

Lab File: VF045398.D

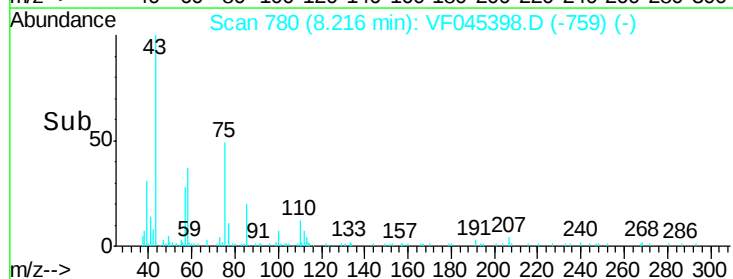
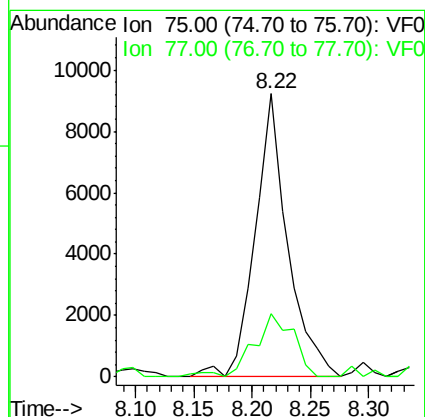
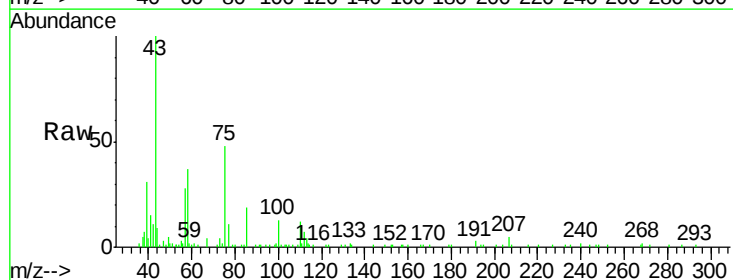
Acq: 16 Sep 2015 19:38

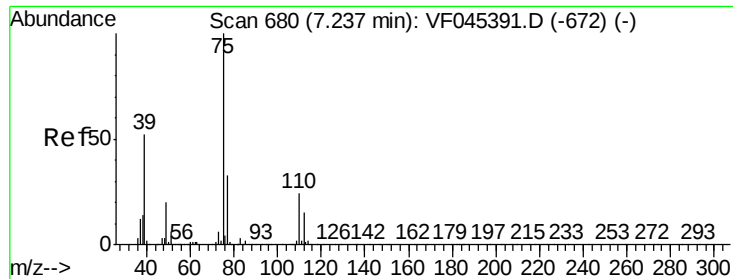
Tgt Ion: 75 Resp: 17899

Ion Ratio Lower Upper

75 100

77 22.4 28.1 42.1#





#53

cis-1,3-Dichloropropene

Concen: 1.14 ug/l

RT: 7.24 min Scan# 681

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

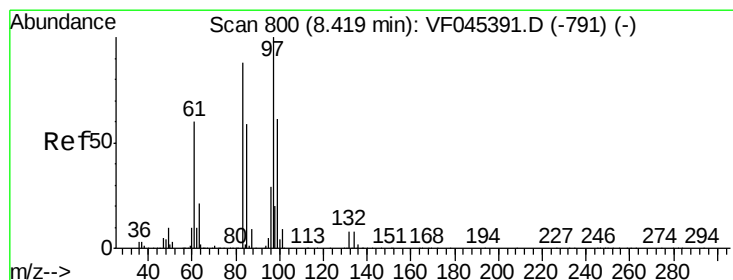
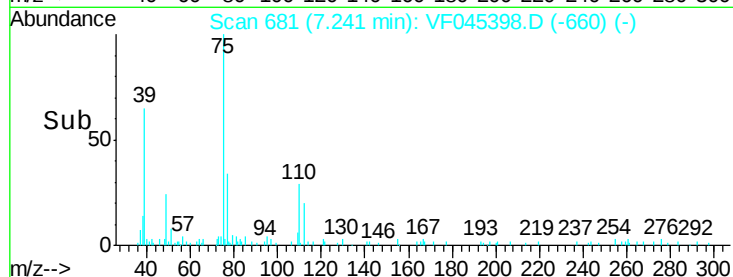
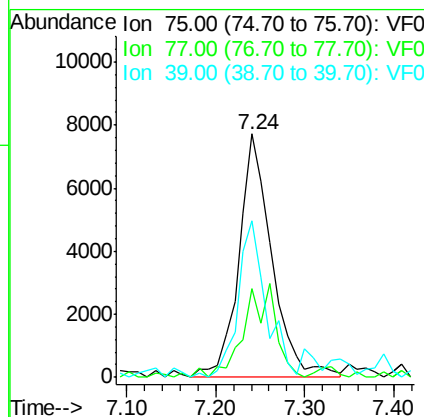
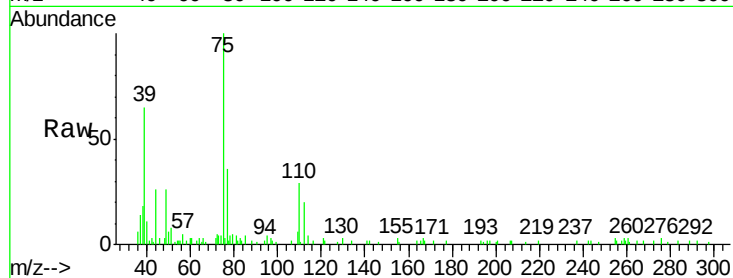
Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	75	Resp:	19892
Ion	Ratio	Lower	Upper
75	100		
77	36.3	25.5	38.3
39	64.5	41.6	62.4#



#54

1,1,2-Trichloroethane

Concen: 1.11 ug/l

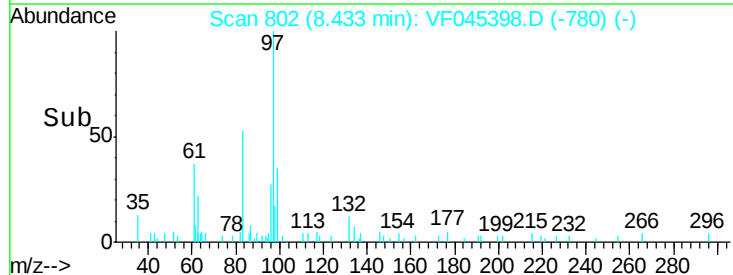
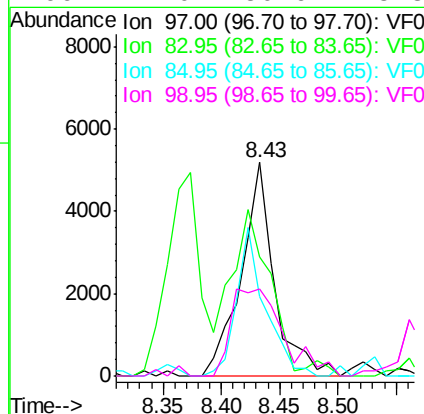
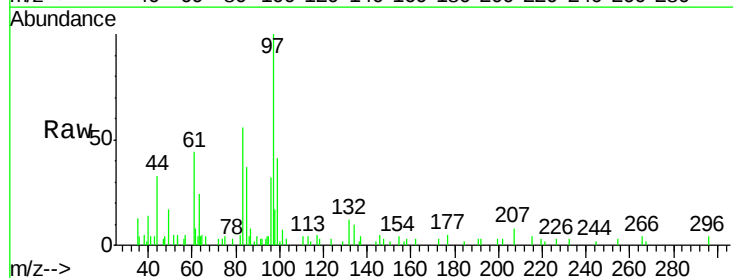
RT: 8.43 min Scan# 802

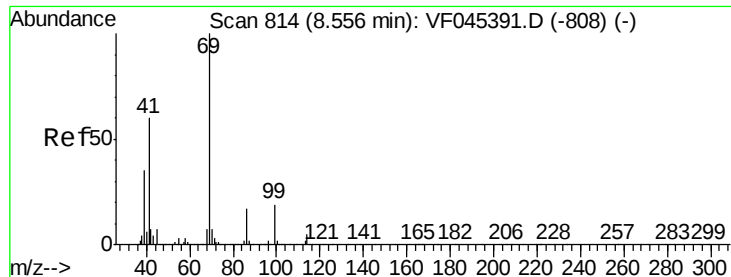
Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:	97	Resp:	10273
Ion	Ratio	Lower	Upper
97	100		
83	55.6	70.1	105.1#
85	37.1	47.4	71.2#
99	41.0	50.6	75.8#





#55

Ethyl methacrylate

Concen: 1.13 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

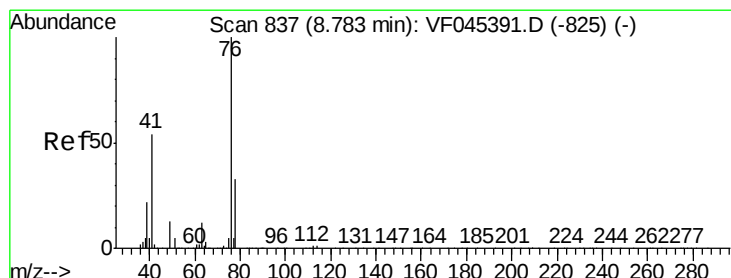
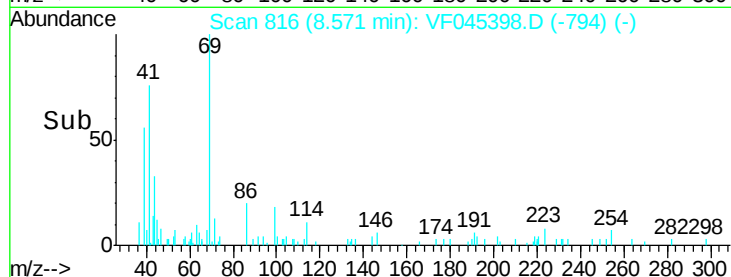
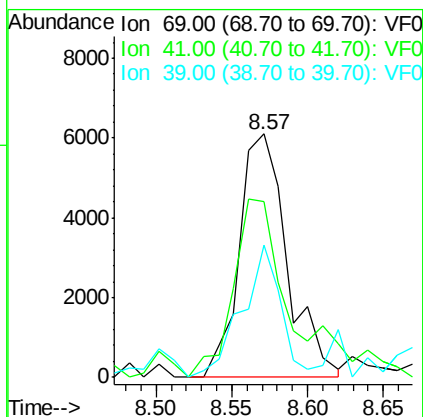
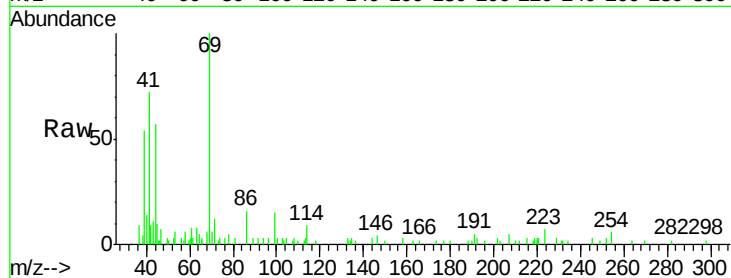
Tgt Ion: 69 Resp: 13498

Ion Ratio Lower Upper

69 100

41 72.0 51.0 76.4

39 54.1 29.1 43.7#



#56

1,3-Dichloropropane

Concen: 1.43 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.00 min

Lab File: VF045398.D

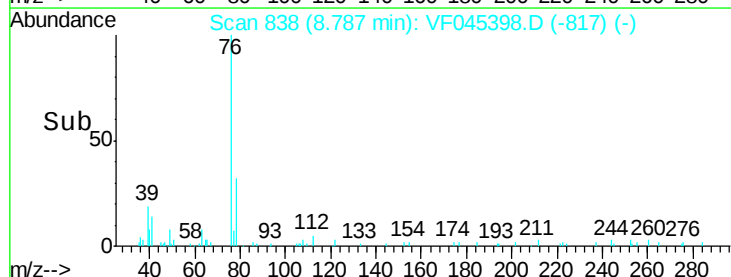
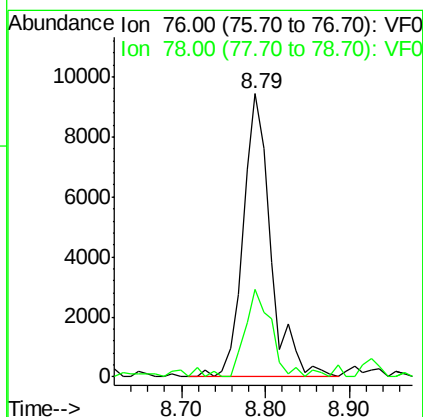
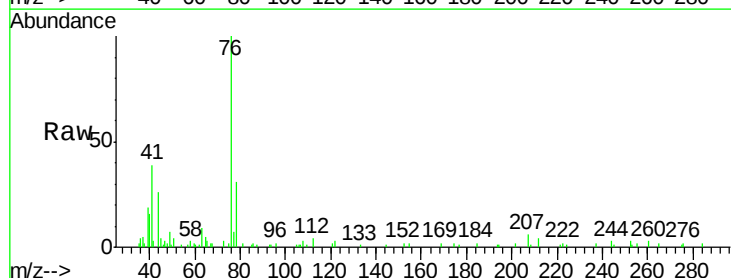
Acq: 16 Sep 2015 19:38

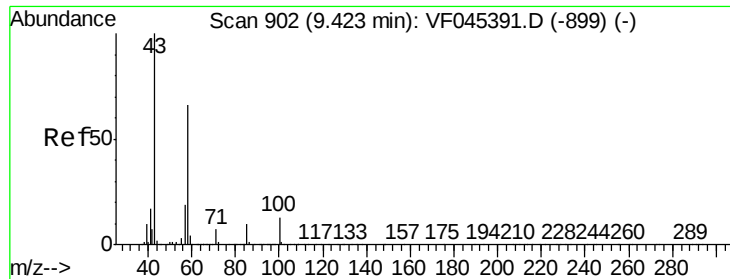
Tgt Ion: 76 Resp: 21449

Ion Ratio Lower Upper

76 100

78 30.7 26.1 39.1





#58

2-Hexanone

Concen: 7.26 ug/l

RT: 9.44 min Scan# 904

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

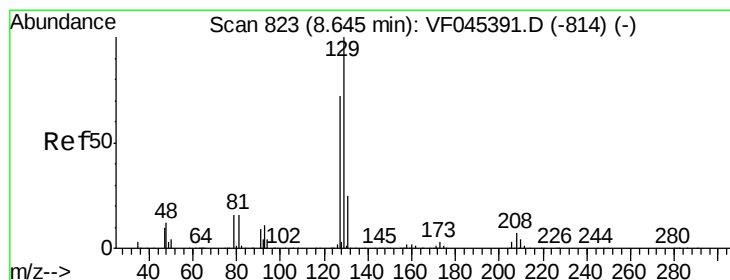
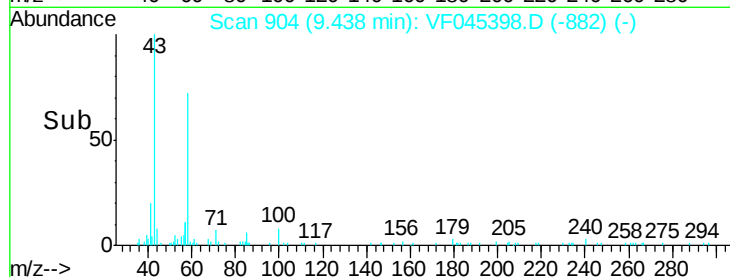
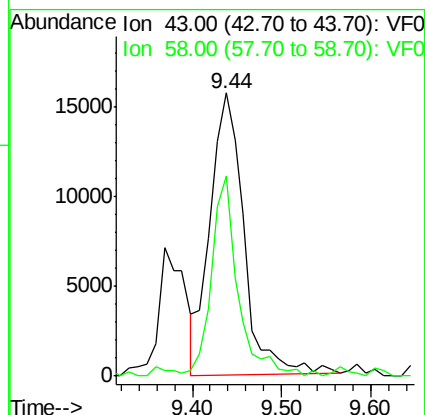
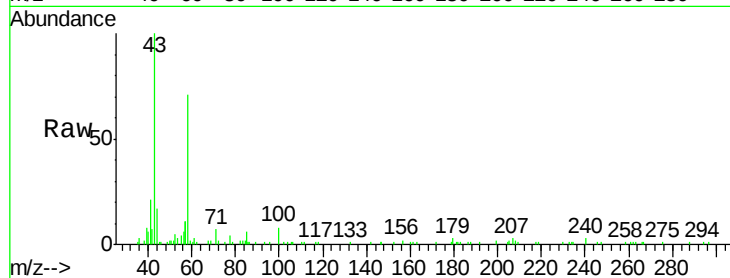
LOD-SOIL2015-01

Tgt Ion: 43 Resp: 41455

Ion Ratio Lower Upper

43 100

58 70.9 28.8 86.5



#59

Dibromochloromethane

Concen: 1.05 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF045398.D

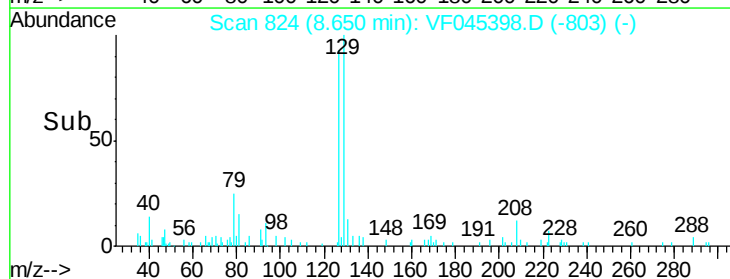
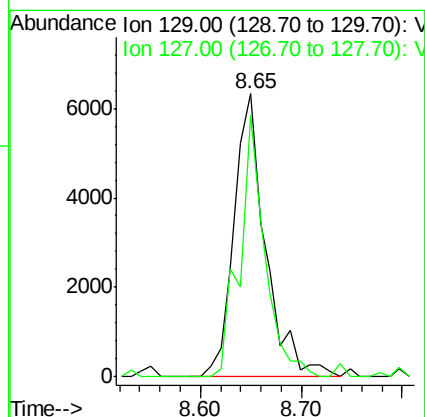
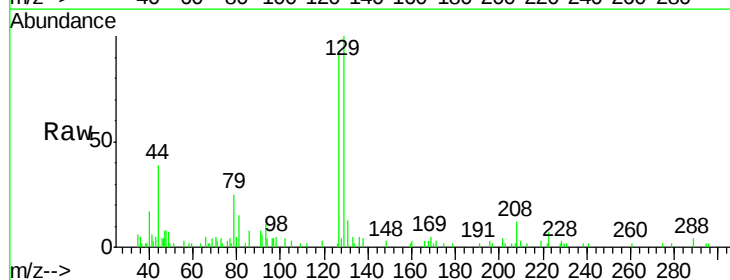
Acq: 16 Sep 2015 19:38

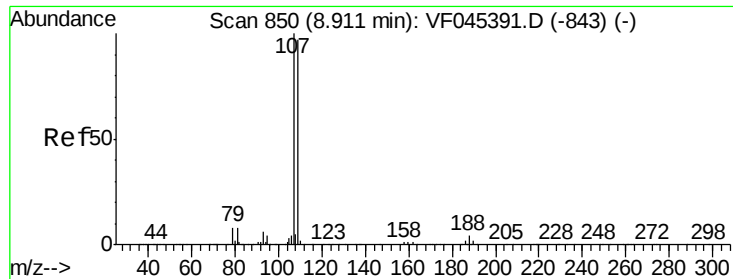
Tgt Ion: 129 Resp: 13691

Ion Ratio Lower Upper

129 100

127 96.3 38.2 114.6





#60

1,2-Dibromoethane

Concen: 1.26 ug/l

RT: 8.92 min Scan# 851

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

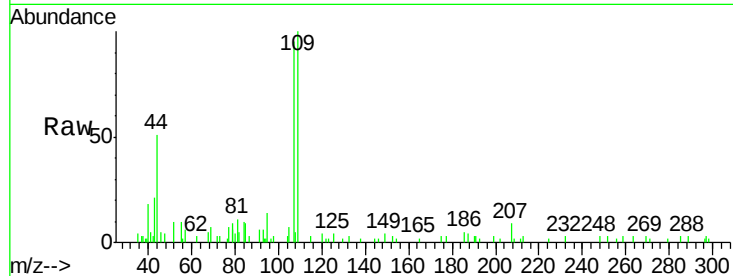
LOD-SOIL2015-01

Tgt Ion:107 Resp: 13209

Ion Ratio Lower Upper

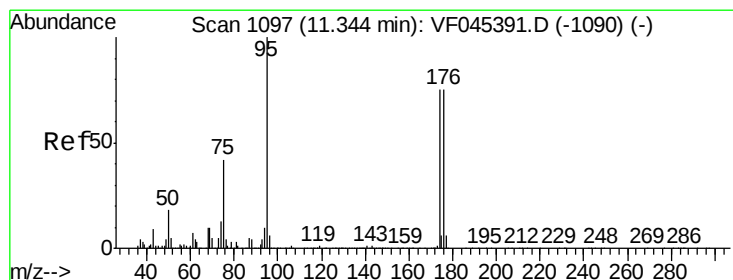
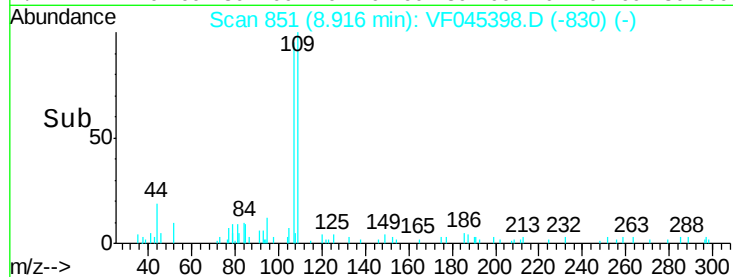
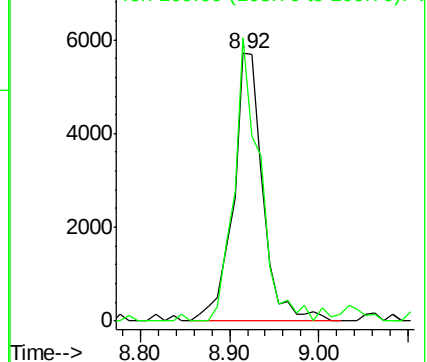
107 100

109 105.6 79.4 119.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#61

4-Bromofluorobenzene

Concen: 47.47 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

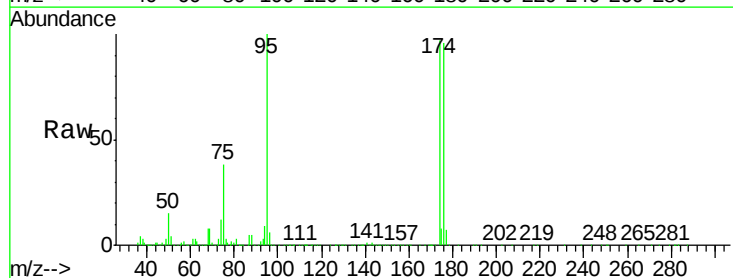
Tgt Ion: 95 Resp: 830335

Ion Ratio Lower Upper

95 100

174 96.6 0.0 177.8

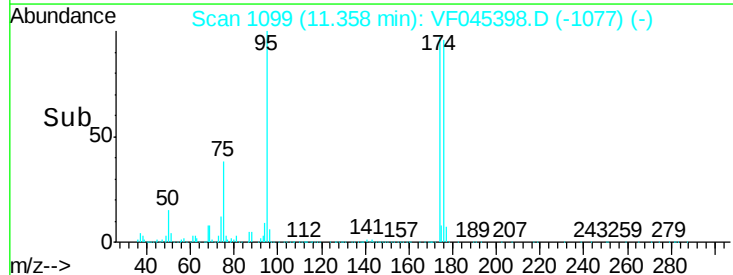
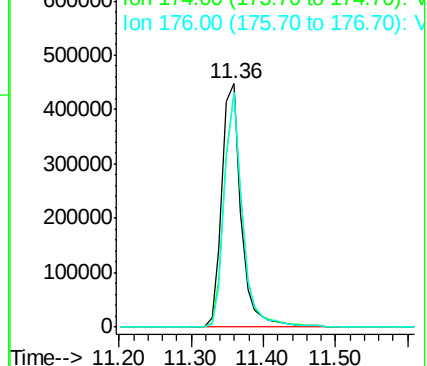
176 96.4 0.0 176.2

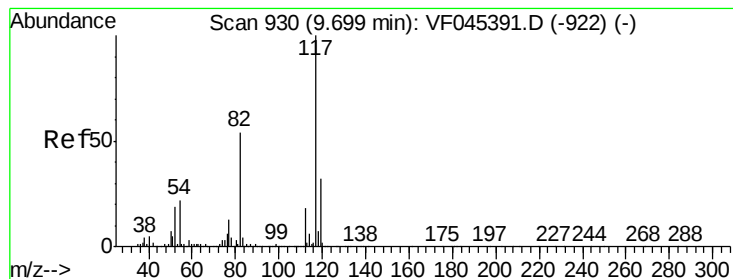


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.70 min Scan# 931

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

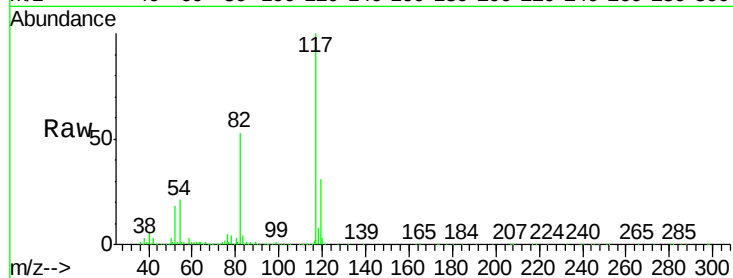
Tgt Ion:117 Resp: 1499616

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.6

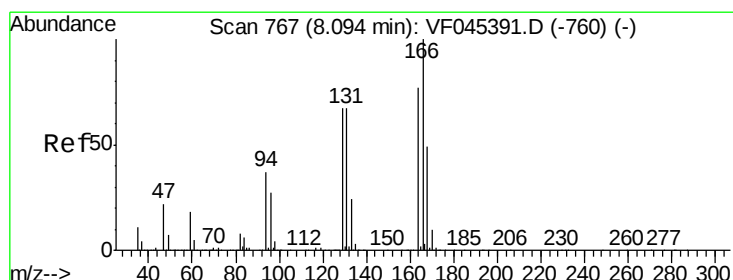
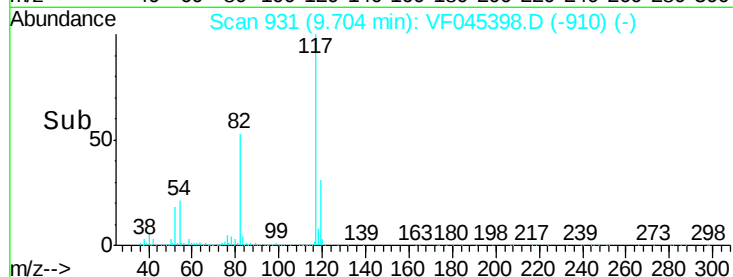
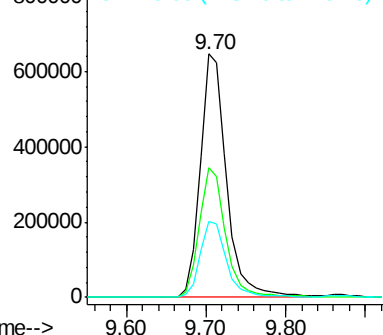
119 31.4 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#63

Tetrachloroethene

Concen: 1.28 ug/l

RT: 8.10 min Scan# 768

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:164 Resp: 15214

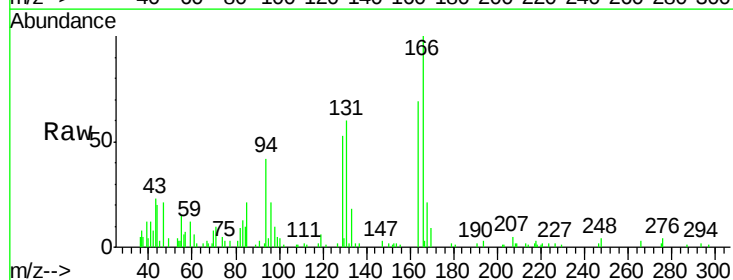
Ion Ratio Lower Upper

164 100

166 145.7 106.0 159.0

129 77.4 69.8 104.6

131 87.3 68.2 102.4

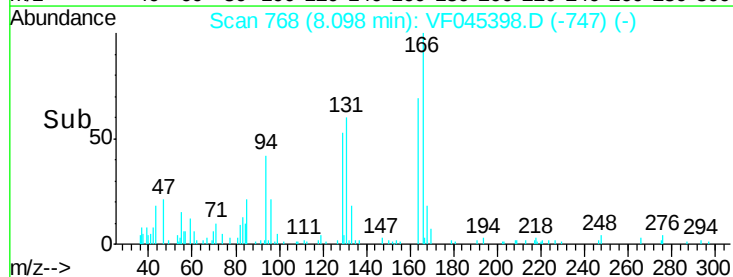
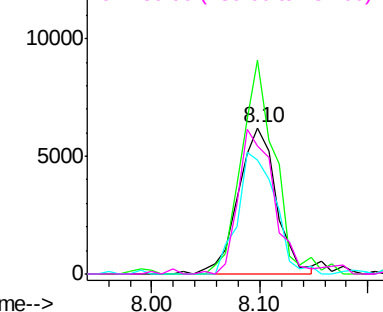


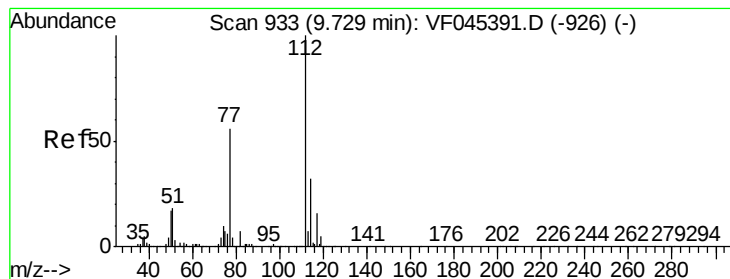
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#64

Chlorobenzene

Concen: 1.34 ug/l

RT: 9.73 min Scan# 934

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

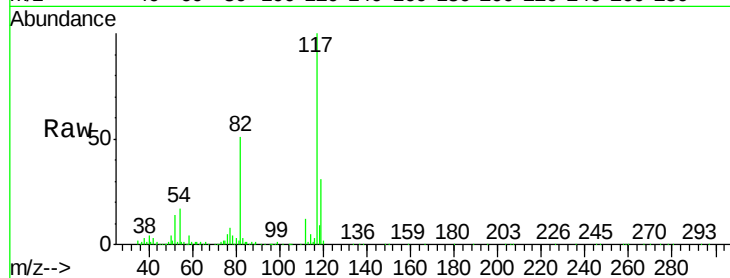
LOD-SOIL2015-01

Tgt Ion:112 Resp: 42109

Ion Ratio Lower Upper

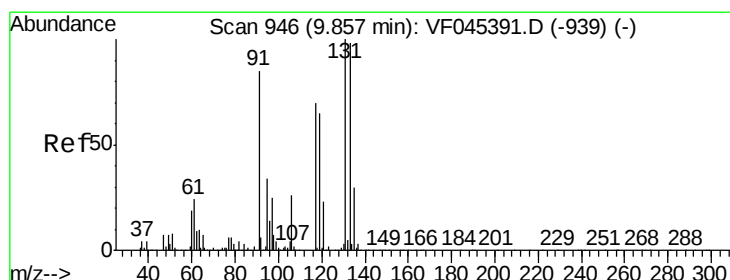
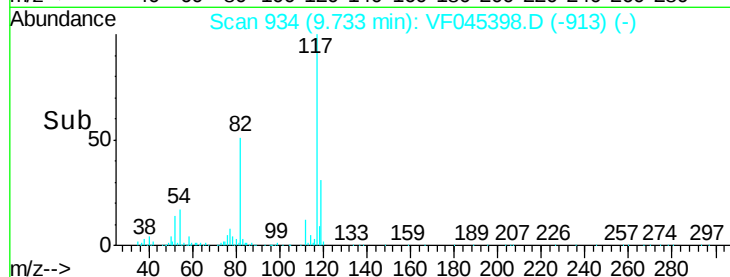
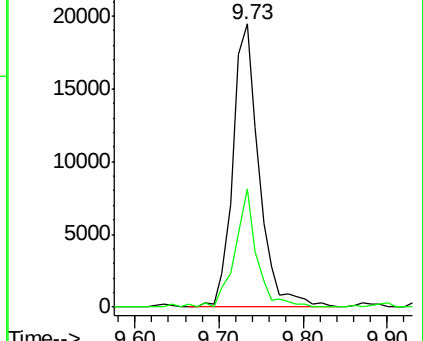
112 100

114 41.7 25.6 38.4#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 1.11 ug/l

RT: 9.86 min Scan# 947

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

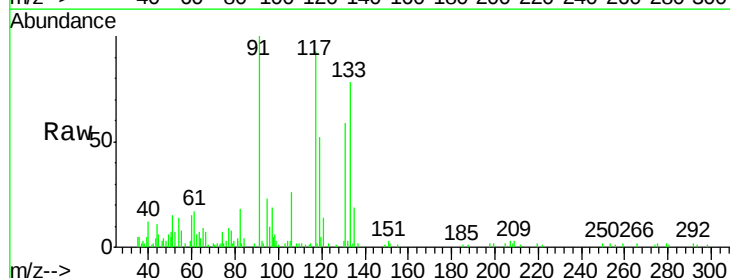
Tgt Ion:131 Resp: 12802

Ion Ratio Lower Upper

131 100

133 131.8 48.1 144.4

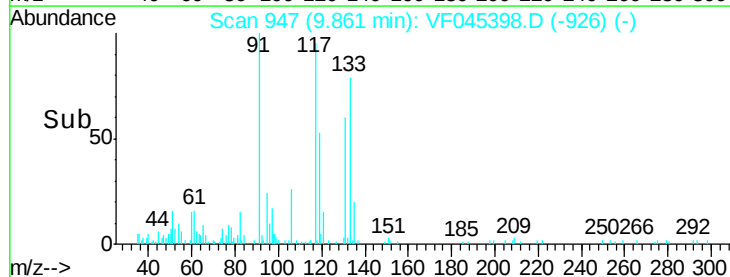
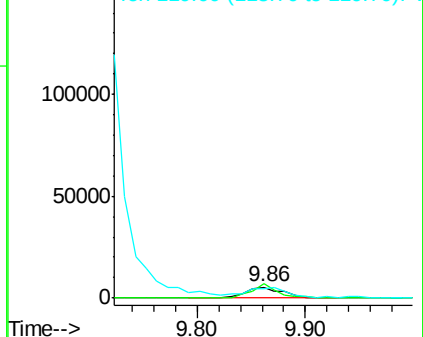
119 87.7 34.8 104.5

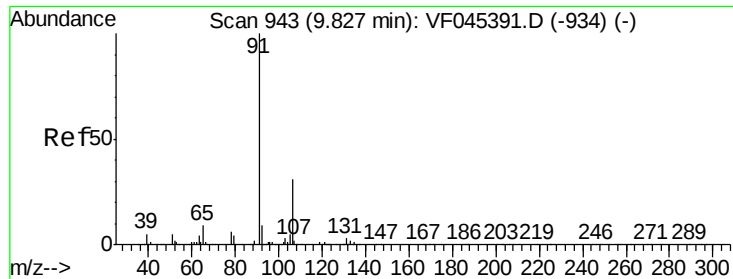


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

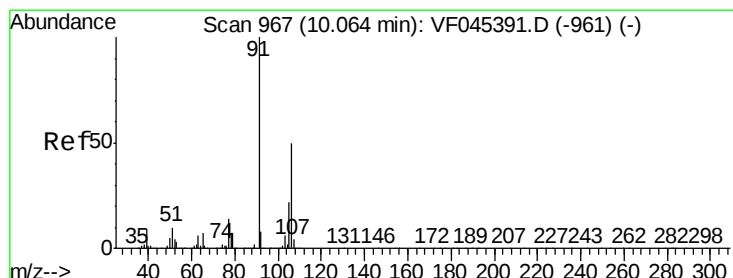
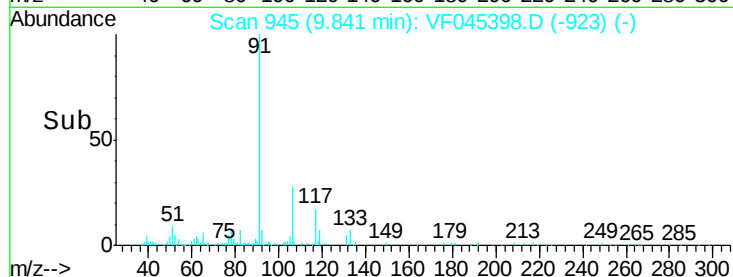
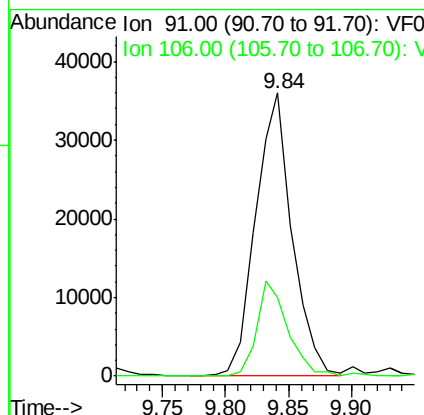
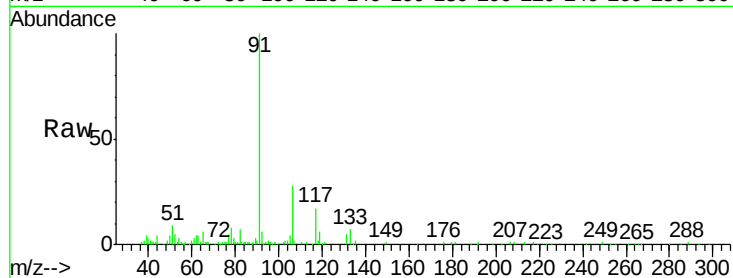




#66
Ethyl Benzene
Concen: 1.33 ug/l
RT: 9.84 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

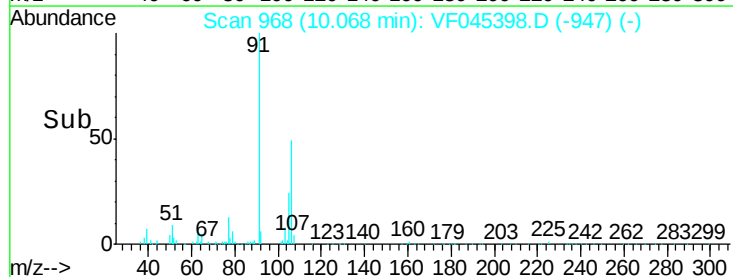
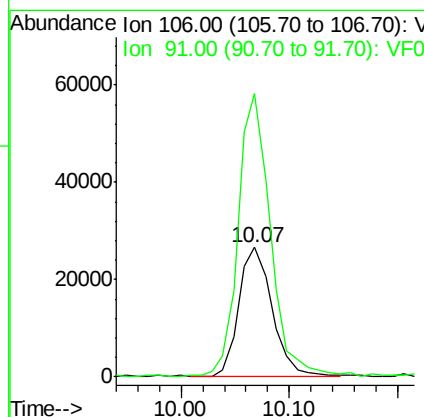
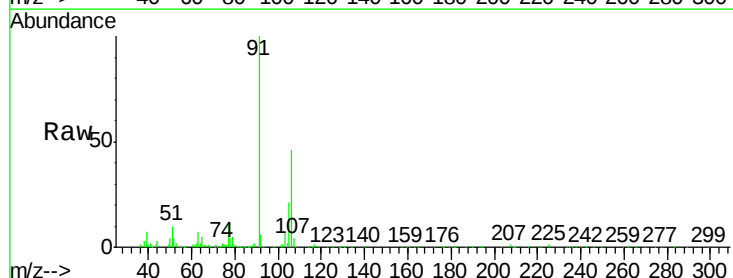
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

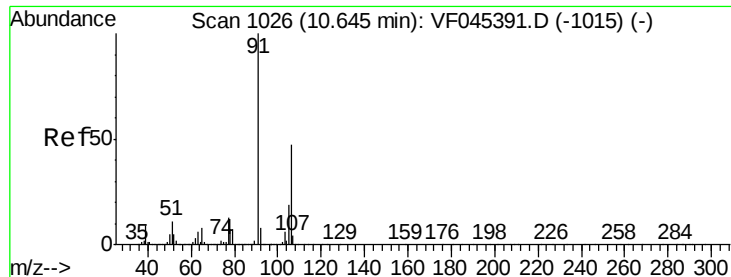
Tgt Ion: 91 Resp: 72571
Ion Ratio Lower Upper
91 100
106 27.6 23.6 35.4



#67
m/p-Xylenes
Concen: 2.95 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion: 106 Resp: 57550
Ion Ratio Lower Upper
106 100
91 218.7 166.1 249.1

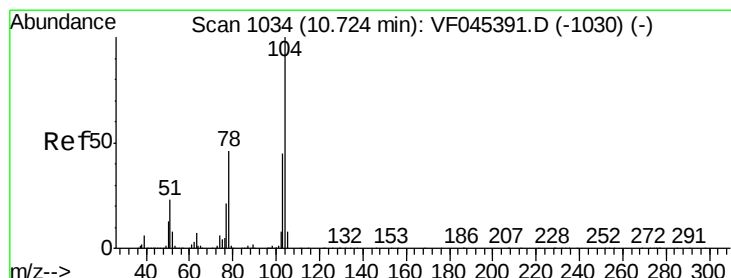
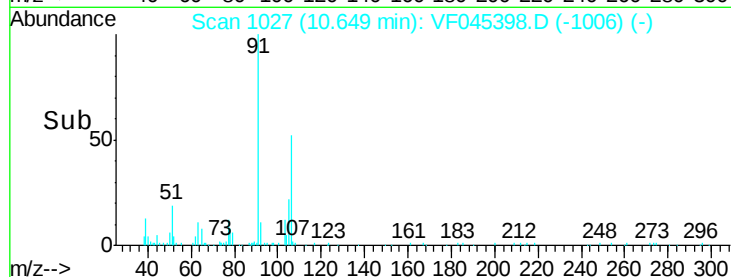
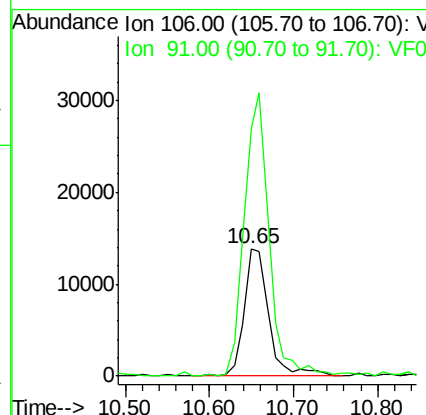
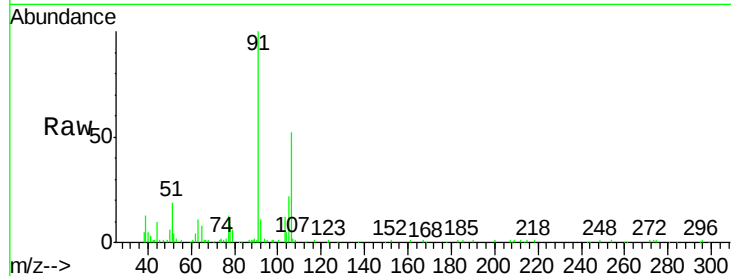




#68
o-Xylene
Concen: 1.39 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

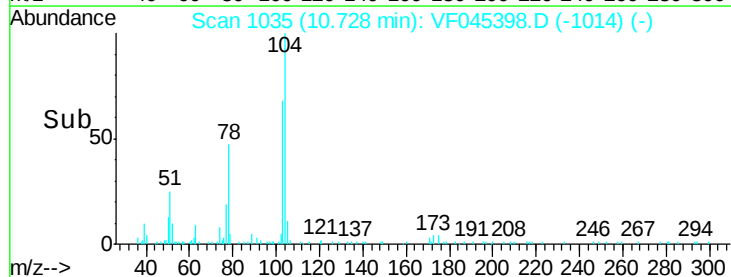
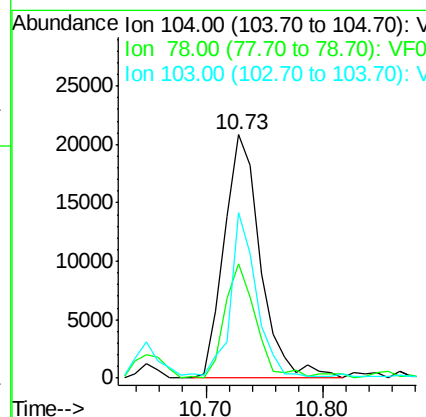
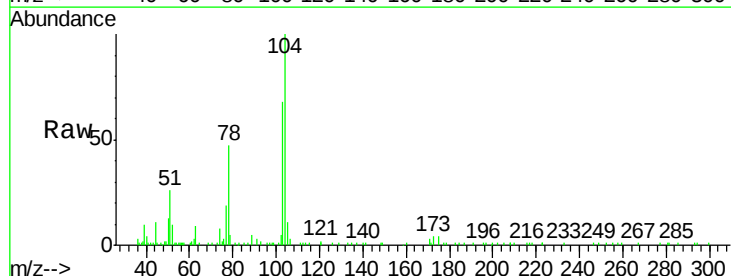
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

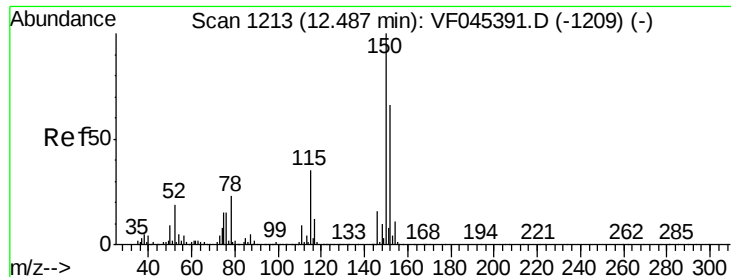
Tgt Ion:106 Resp: 28246
Ion Ratio Lower Upper
106 100
91 193.4 108.1 324.2



#69
Styrene
Concen: 1.39 ug/l
RT: 10.73 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion:104 Resp: 44990
Ion Ratio Lower Upper
104 100
78 47.1 34.2 51.4
103 68.0 36.7 55.1#





#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

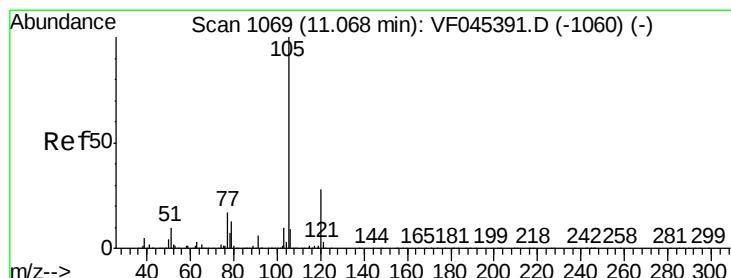
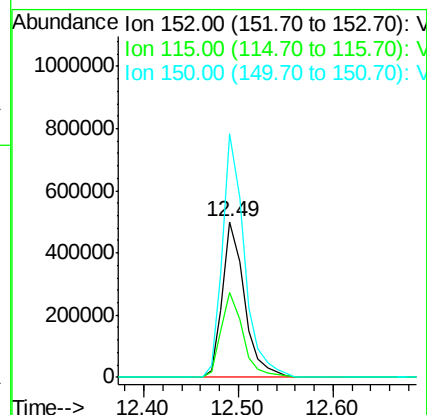
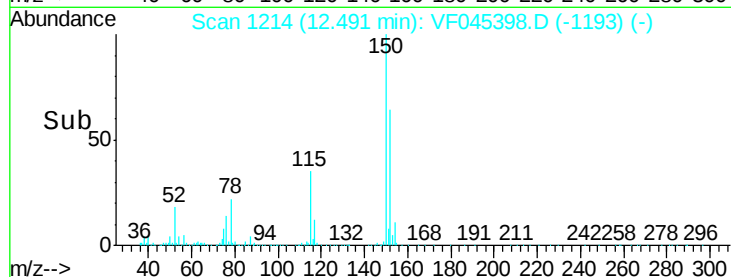
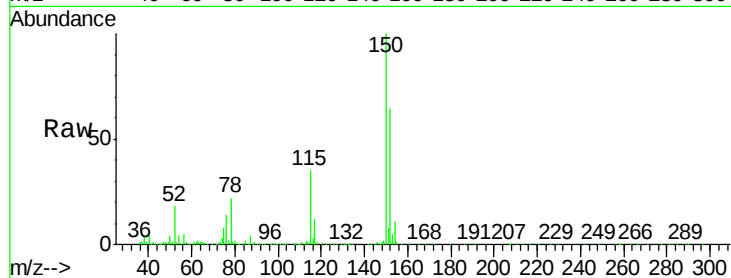
Tgt Ion:152 Resp: 813485

Ion Ratio Lower Upper

152 100

115 55.0 28.3 85.0

150 156.7 0.0 324.2



#72

Isopropylbenzene

Concen: 1.43 ug/l

RT: 11.07 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VF045398.D

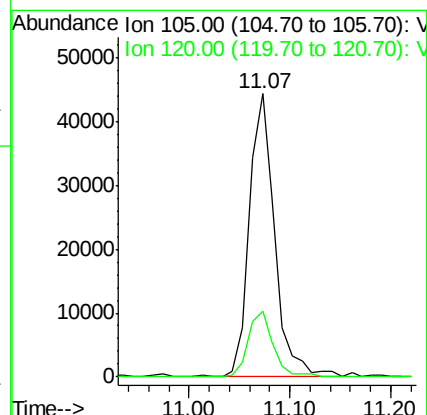
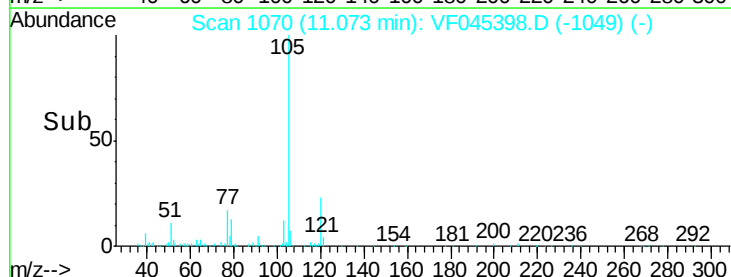
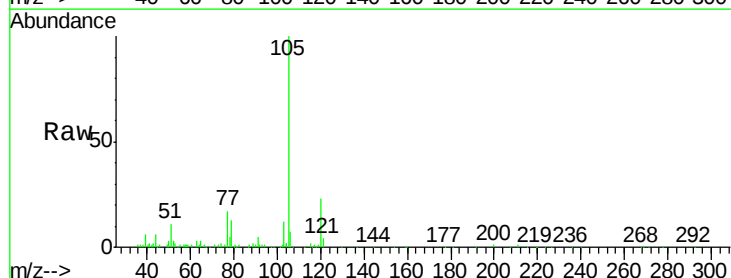
Acq: 16 Sep 2015 19:38

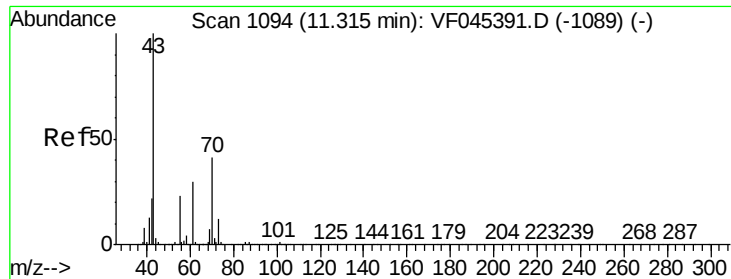
Tgt Ion:105 Resp: 77925

Ion Ratio Lower Upper

105 100

120 23.4 13.0 39.0





#73

N-ethyl acetate

Concen: 1.41 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 43 Resp: 21296

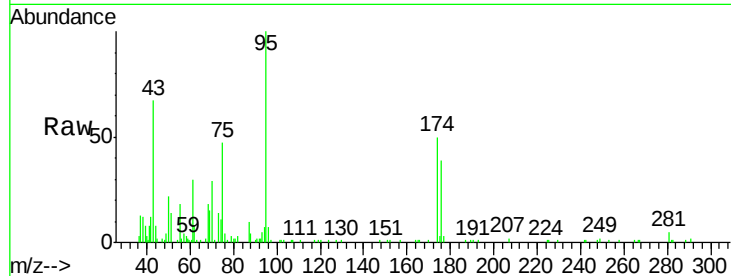
Ion Ratio Lower Upper

43 100

70 43.4 30.0 45.0

55 27.7 16.8 25.2#

61 44.3 20.6 30.8#

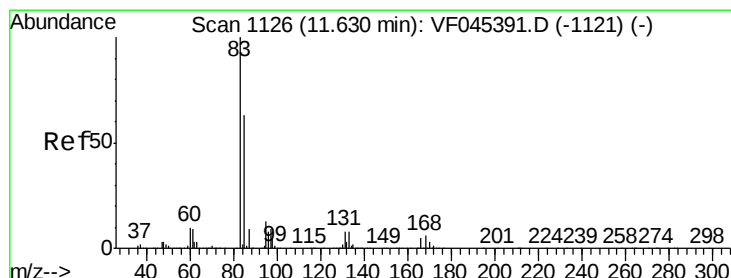
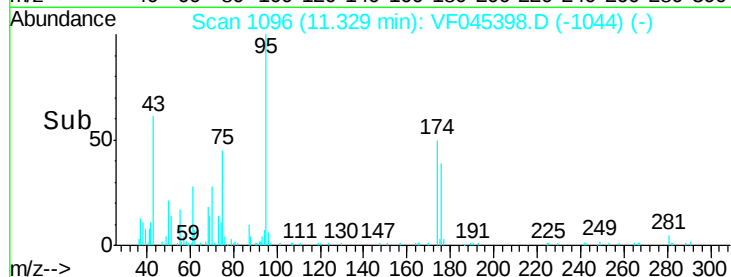
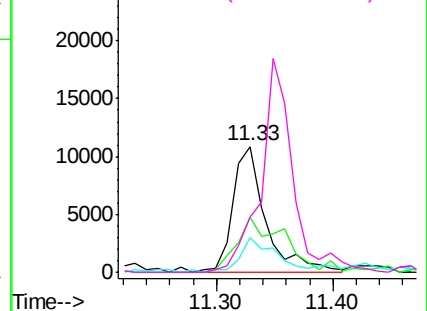


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#74

1,1,2,2-Tetrachloroethane

Concen: 1.51 ug/l

RT: 11.63 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

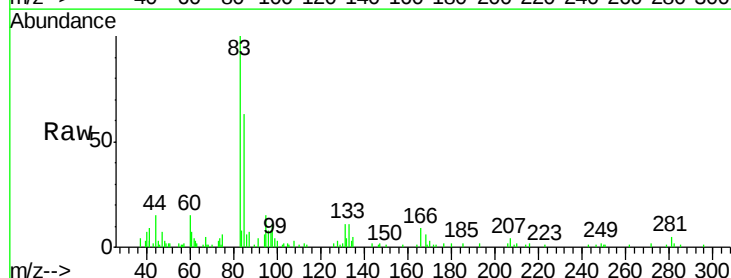
Tgt Ion: 83 Resp: 18660

Ion Ratio Lower Upper

83 100

131 11.3 4.2 12.6

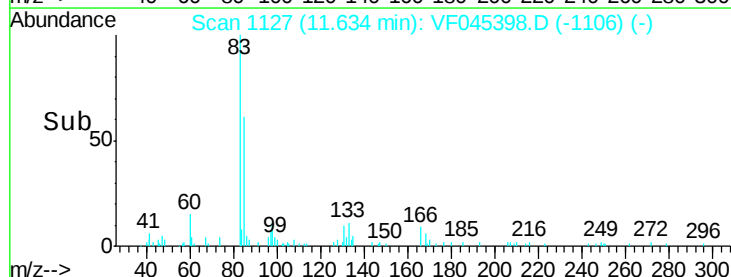
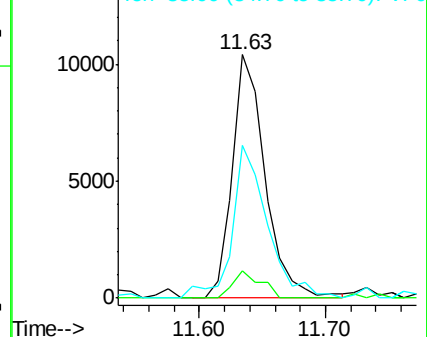
85 62.7 32.5 97.5

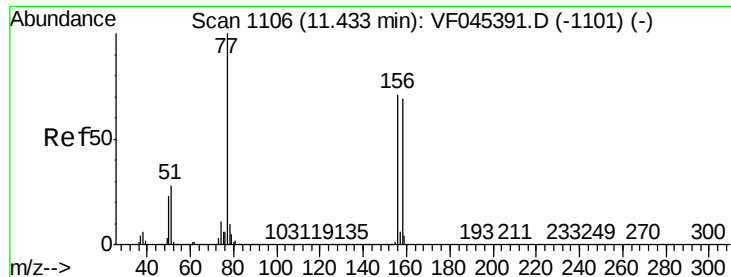


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

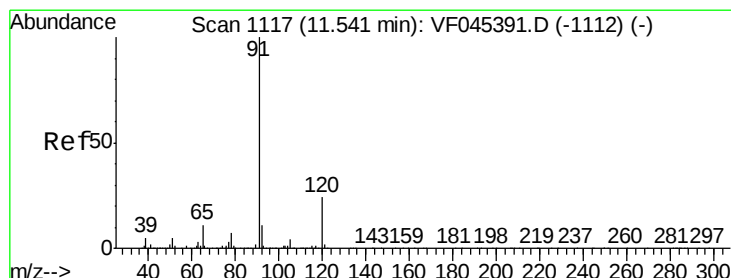
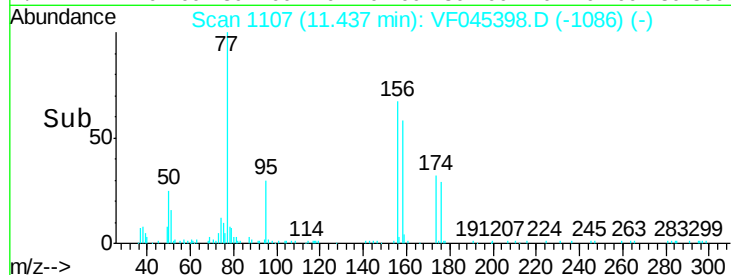
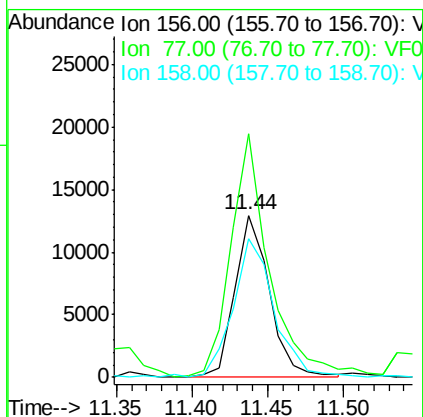
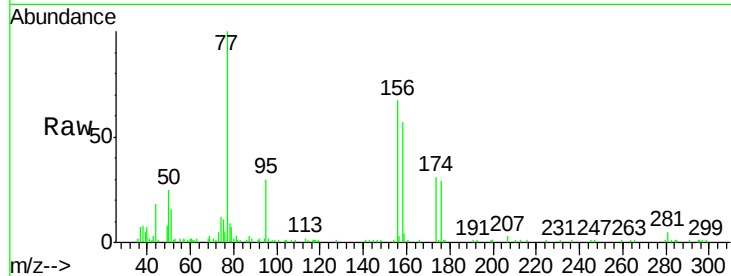




#76
Bromobenzene
Concen: 1.34 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

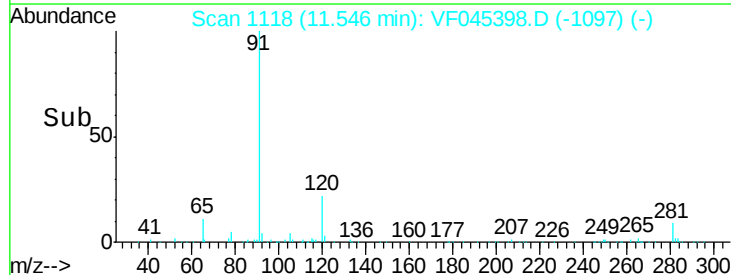
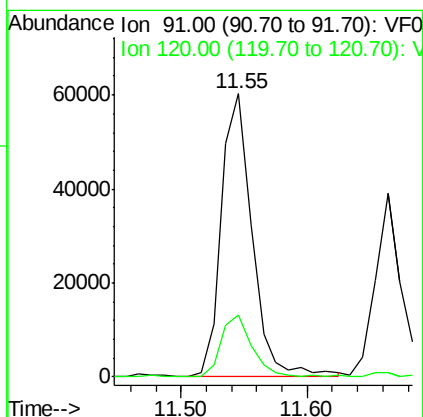
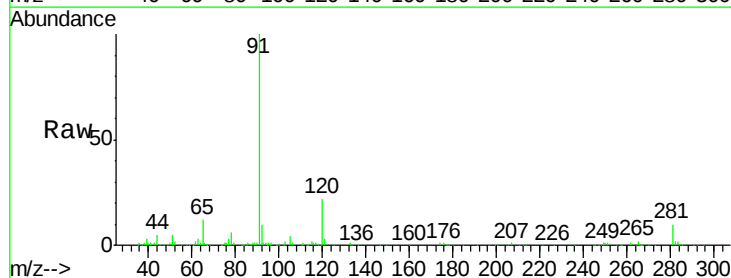
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

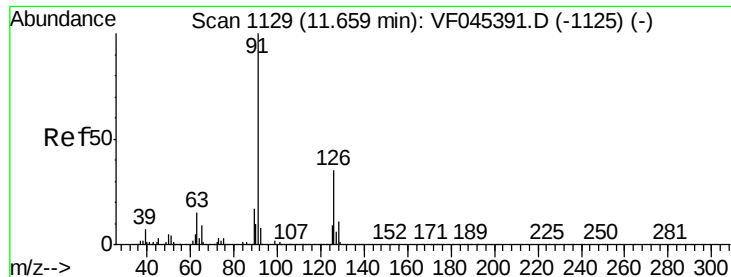
Tgt Ion: 156 Resp: 20713
Ion Ratio Lower Upper
156 100
77 144.5 74.8 224.3
158 82.4 49.5 148.7



#77
n-propylbenzene
Concen: 1.52 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion: 91 Resp: 102546
Ion Ratio Lower Upper
91 100
120 22.0 11.6 34.7

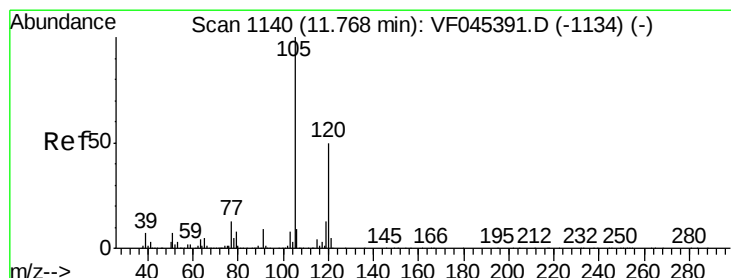
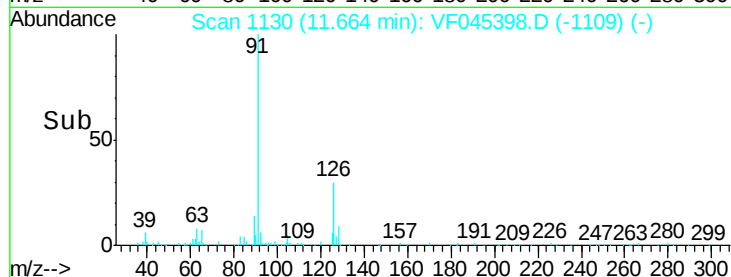
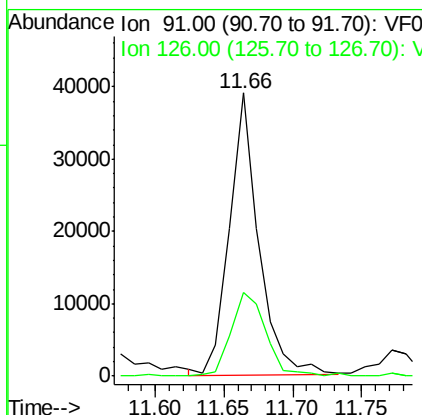
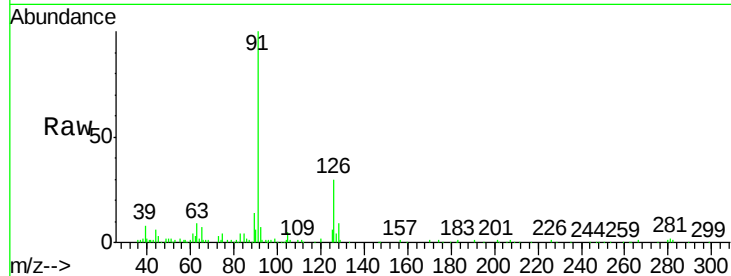




#78
 2-Chlorotoluene
 Concen: 1.51 ug/l
 RT: 11.66 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

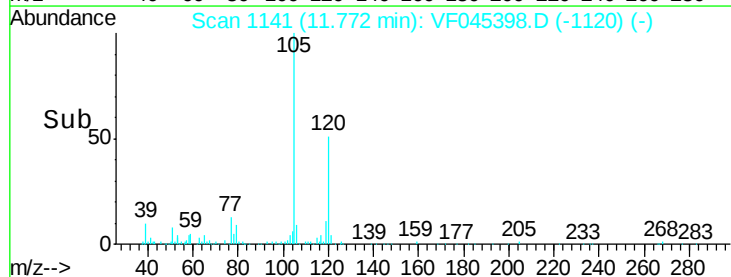
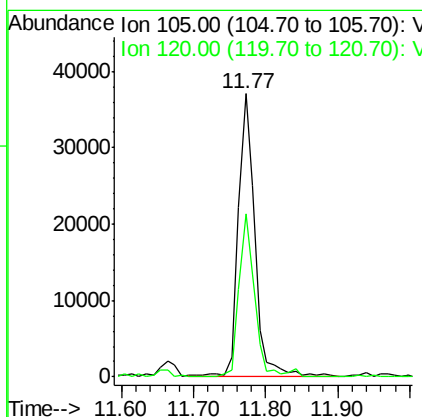
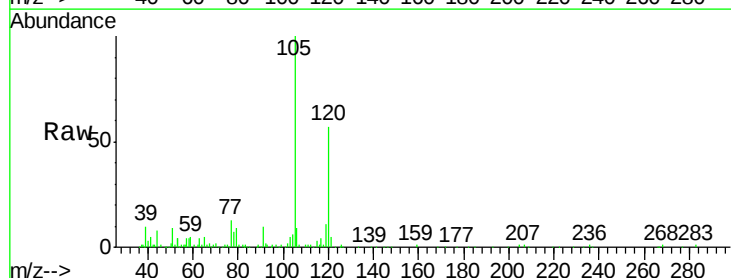
Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

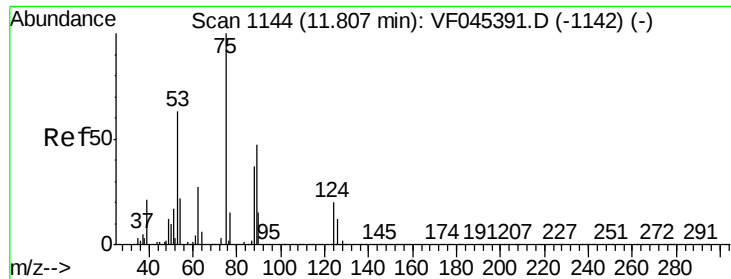
Tgt Ion: 91 Resp: 57071
 Ion Ratio Lower Upper
 91 100
 126 29.6 16.9 50.7



#79
 1,3,5-Trimethylbenzene
 Concen: 1.35 ug/l
 RT: 11.77 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Tgt Ion: 105 Resp: 60074
 Ion Ratio Lower Upper
 105 100
 120 57.5 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 1.40 ug/l

RT: 11.82 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

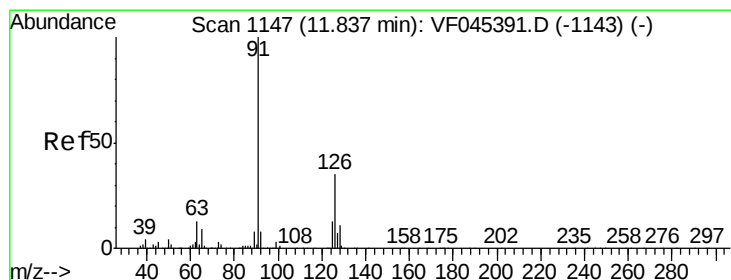
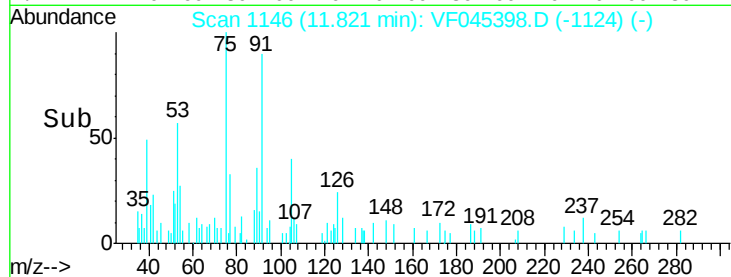
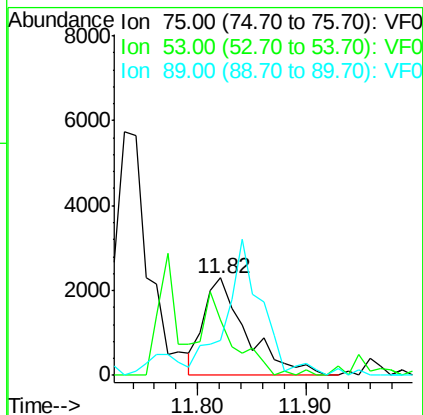
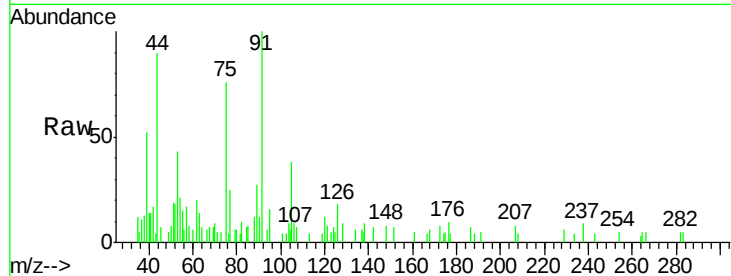
Tgt Ion: 75 Resp: 6370

Ion Ratio Lower Upper

75 100

53 56.5 51.0 76.6

89 35.8 38.6 57.8#



#81

4-Chlorotoluene

Concen: 1.39 ug/l

RT: 11.84 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VF045398.D

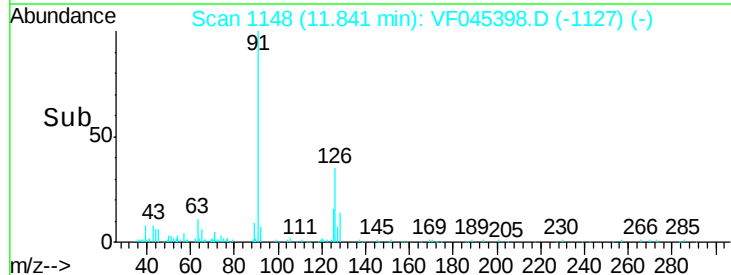
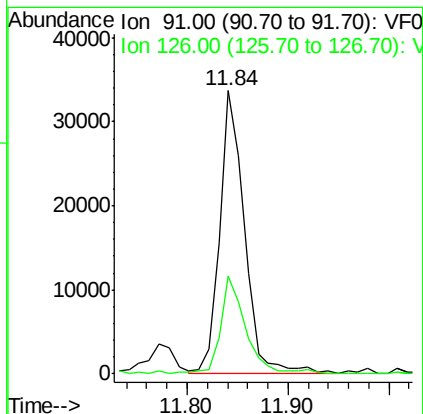
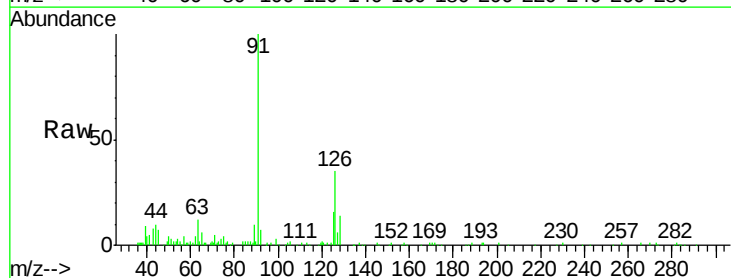
Acq: 16 Sep 2015 19:38

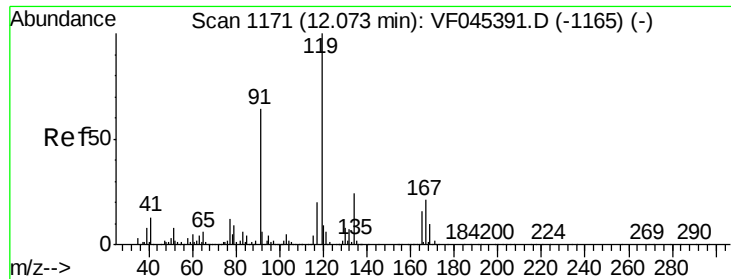
Tgt Ion: 91 Resp: 58034

Ion Ratio Lower Upper

91 100

126 34.6 15.8 47.4





#82

tert-Butylbenzene

Concen: 1.46 ug/l

RT: 12.08 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

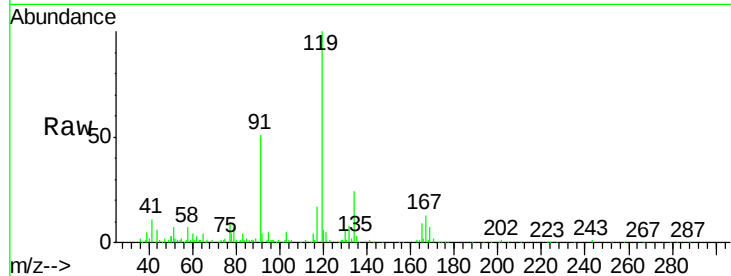
Tgt Ion:119 Resp: 64296

Ion Ratio Lower Upper

119 100

91 51.5 31.1 93.2

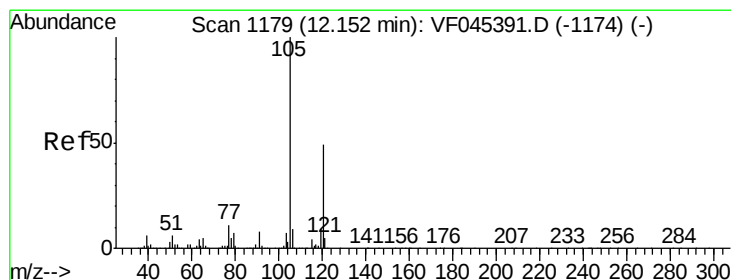
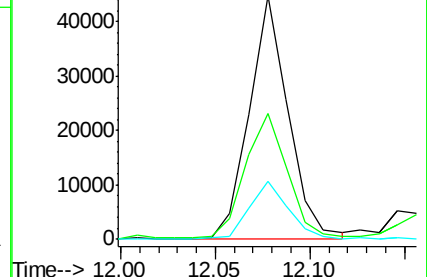
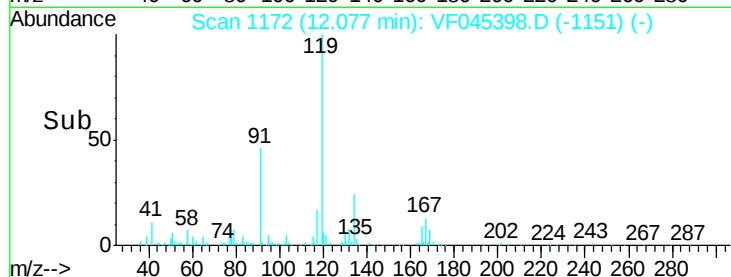
134 23.6 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#83

1,2,4-Trimethylbenzene

Concen: 1.35 ug/l

RT: 12.16 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VF045398.D

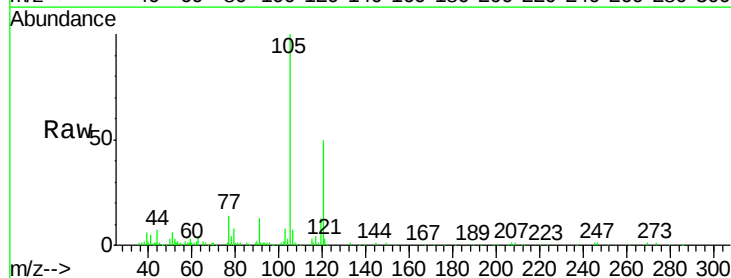
Acq: 16 Sep 2015 19:38

Tgt Ion:105 Resp: 61457

Ion Ratio Lower Upper

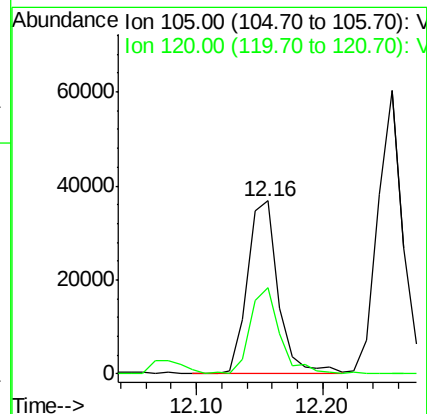
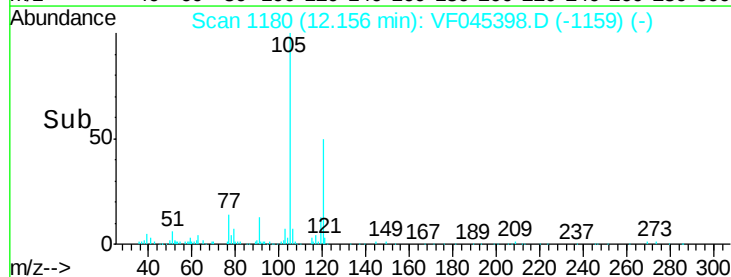
105 100

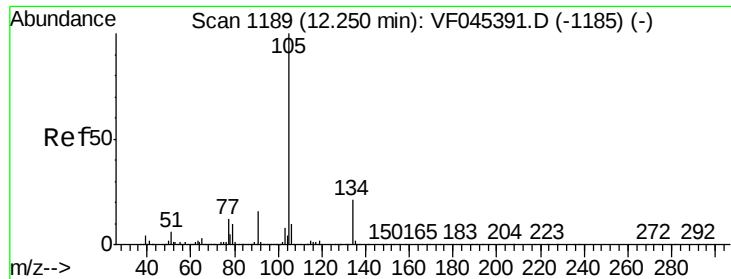
120 49.6 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

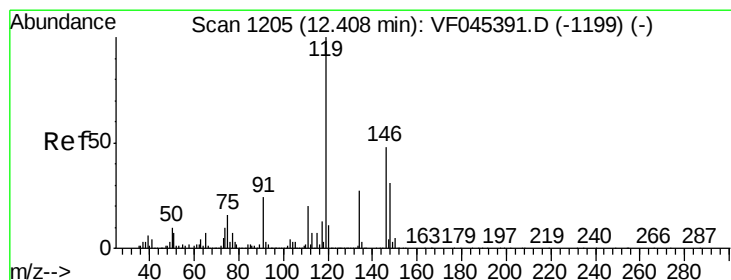
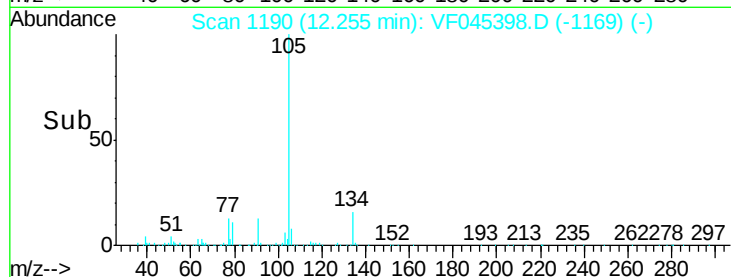
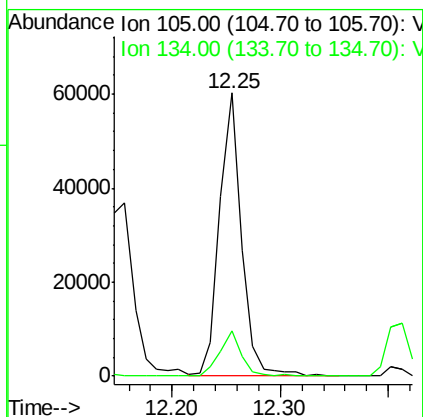
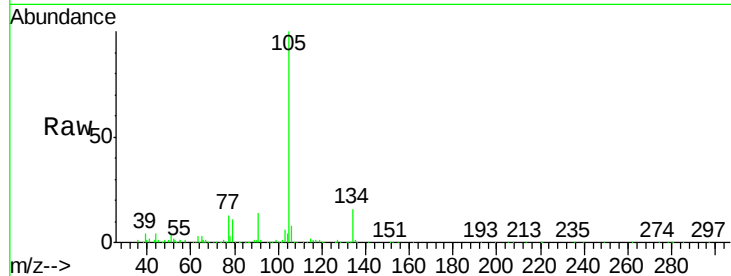




#84
 sec-Butylbenzene
 Concen: 1.40 ug/l
 RT: 12.25 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

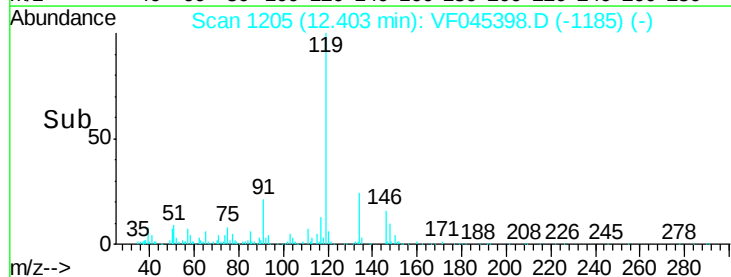
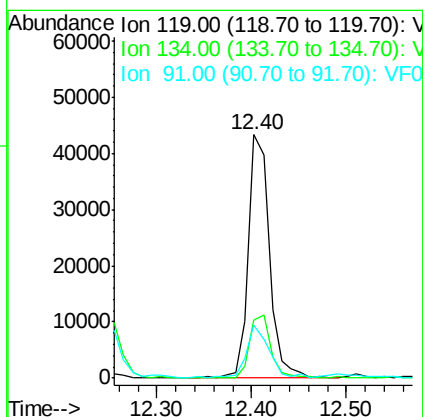
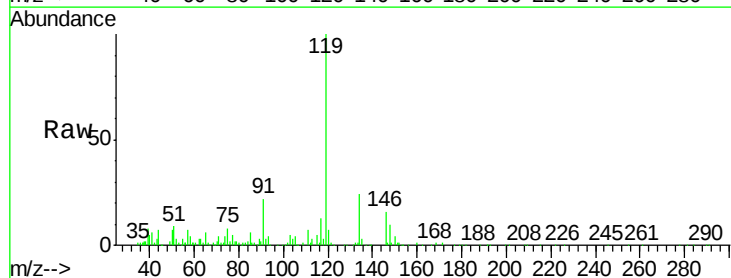
Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

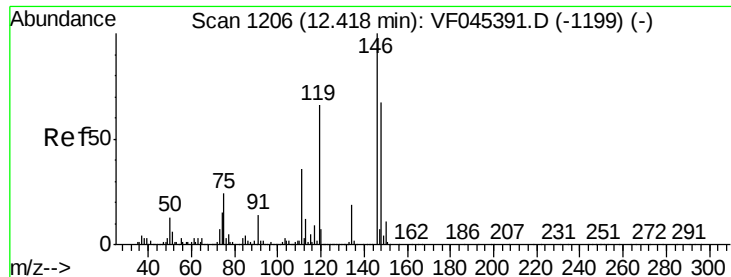
Tgt Ion:105 Resp: 85419
 Ion Ratio Lower Upper
 105 100
 134 16.2 10.5 31.6



#85
 p-Isopropyltoluene
 Concen: 1.41 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Tgt Ion:119 Resp: 66901
 Ion Ratio Lower Upper
 119 100
 134 24.0 13.0 38.9
 91 21.7 12.2 36.6

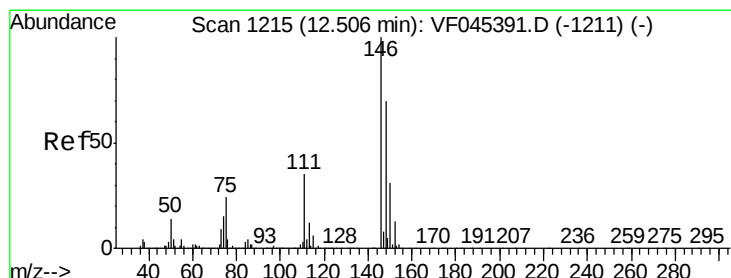
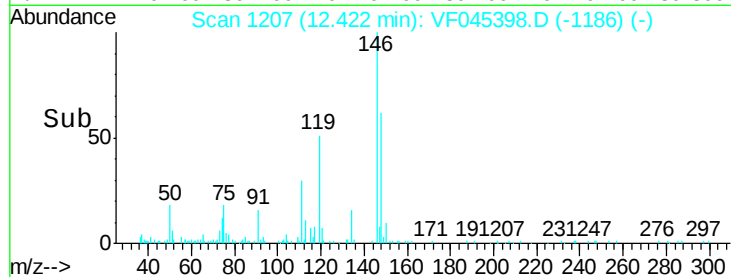
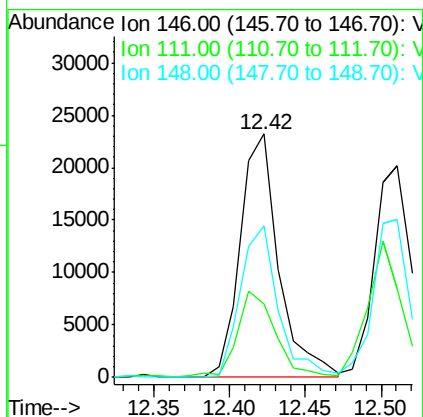
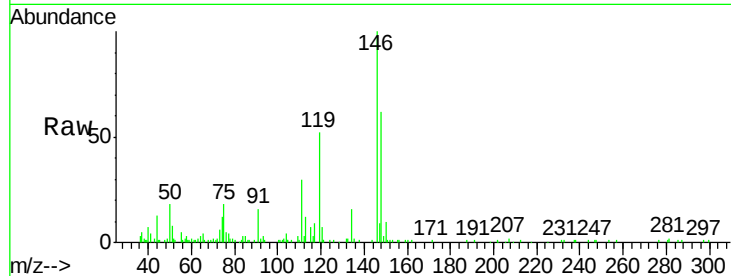




#86
 1,3-Dichlorobenzene
 Concen: 1.56 ug/l
 RT: 12.42 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

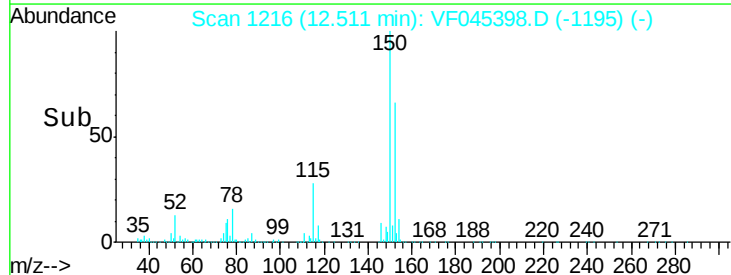
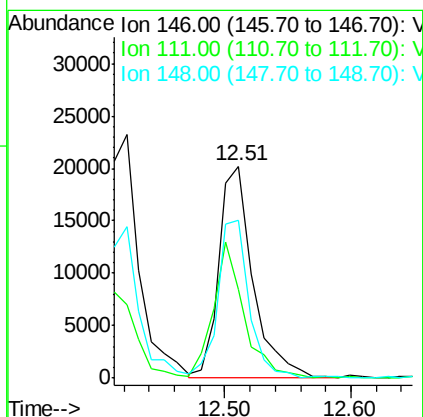
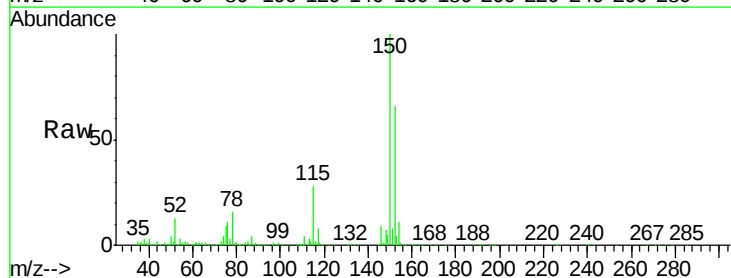
Instrument :
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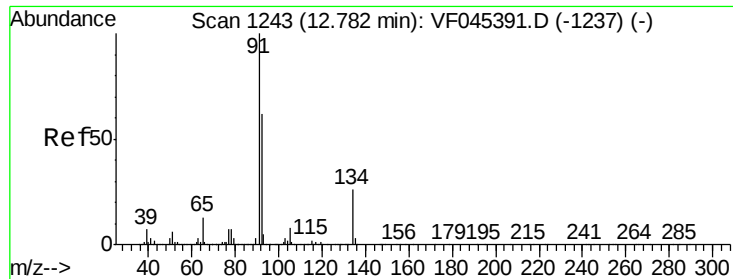
Tgt Ion:146 Resp: 41103
 Ion Ratio Lower Upper
 146 100
 111 30.1 19.9 59.7
 148 62.0 32.5 97.4



#87
 1,4-Dichlorobenzene
 Concen: 1.44 ug/l
 RT: 12.51 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Tgt Ion:146 Resp: 37891
 Ion Ratio Lower Upper
 146 100
 111 41.8 17.3 52.0
 148 74.3 32.4 97.0

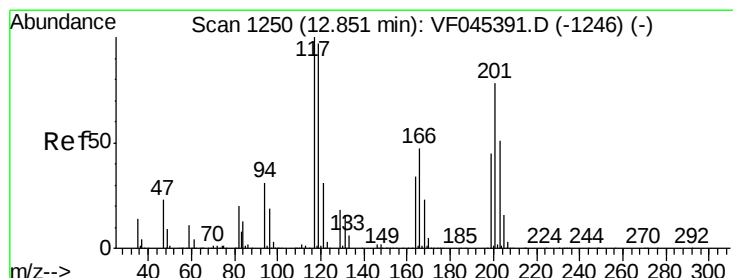
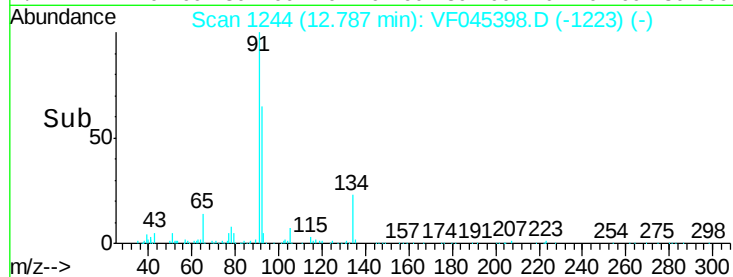
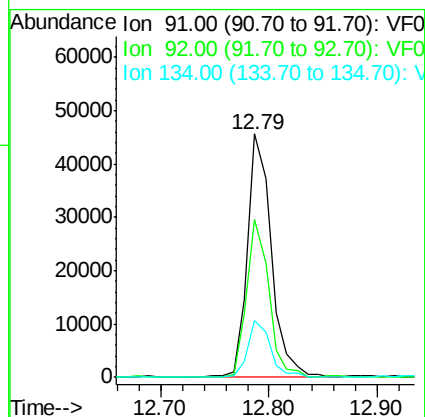
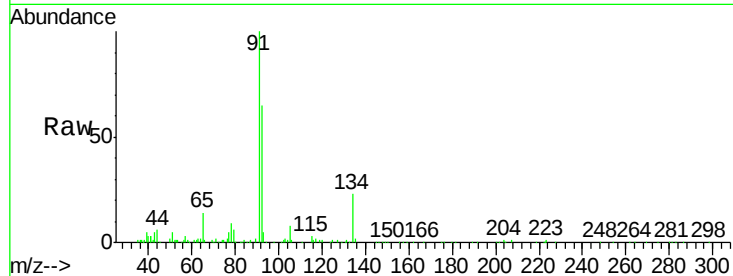




#88
n-Butylbenzene
Concen: 1.47 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

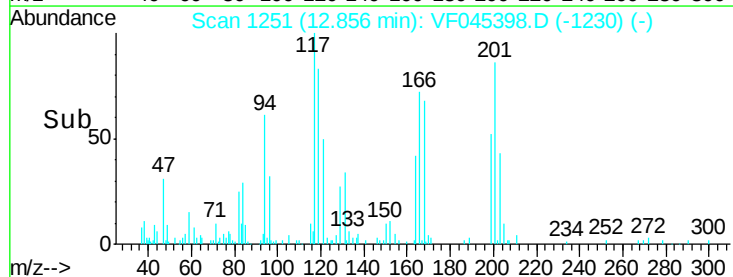
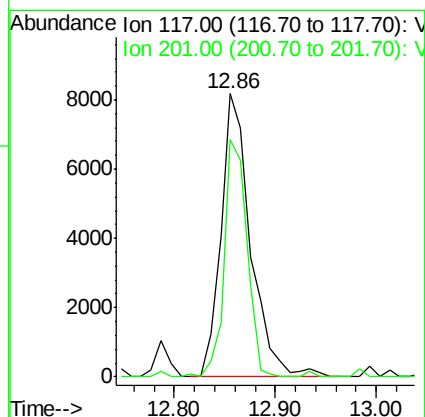
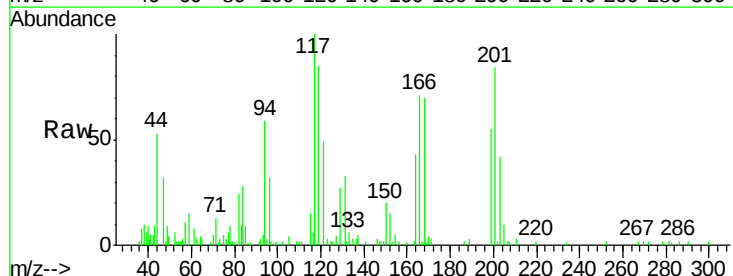
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

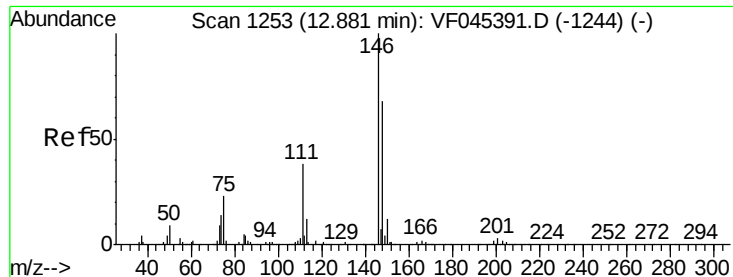
Tgt Ion: 91 Resp: 70142
Ion Ratio Lower Upper
91 100
92 64.8 30.1 90.5
134 23.3 13.8 41.4



#89
Hexachloroethane
Concen: 1.48 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion: 117 Resp: 16680
Ion Ratio Lower Upper
117 100
201 83.9 42.0 126.1

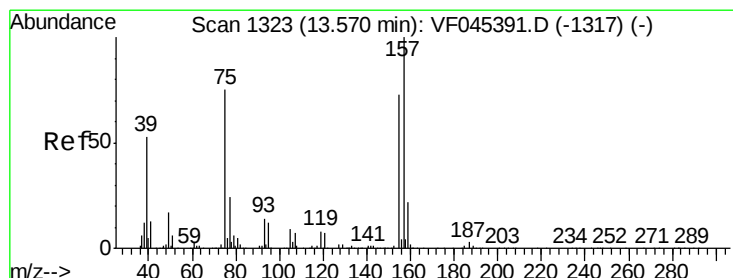
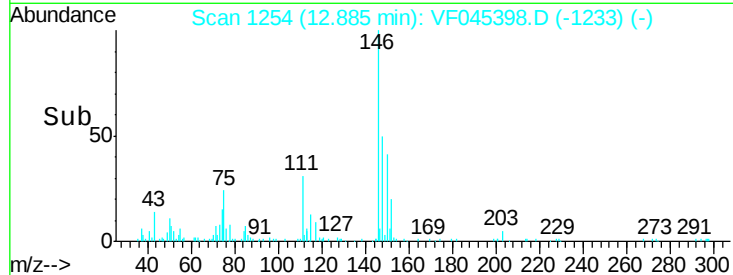
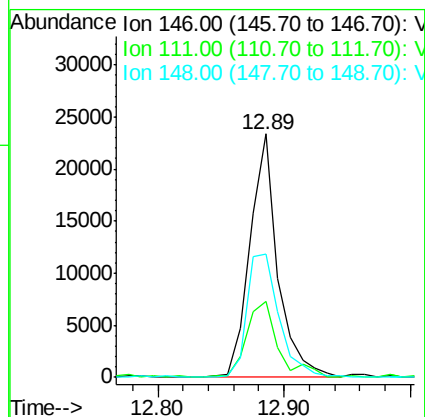
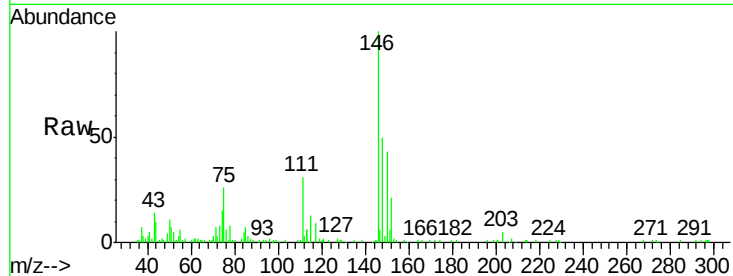




#90
 1,2-Dichlorobenzene
 Concen: 1.48 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

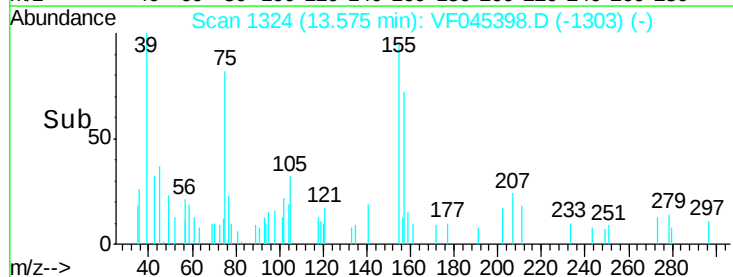
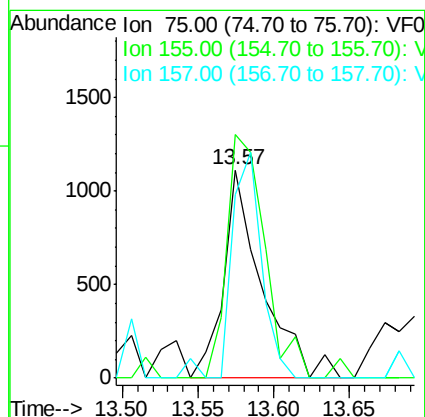
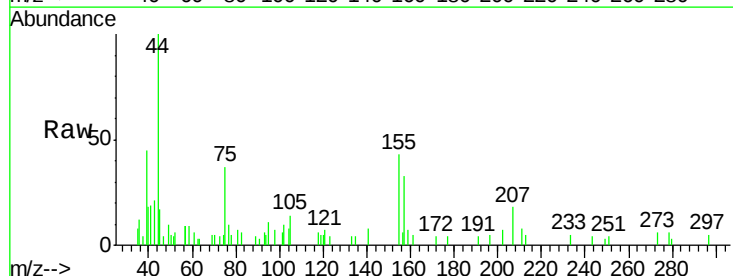
Instrument :
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 LOD-SOIL2015-01

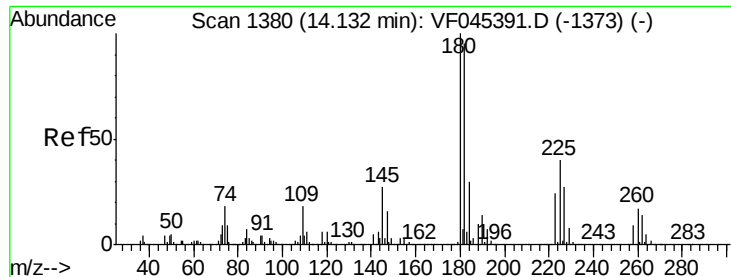
Tgt Ion:146 Resp: 35712
 Ion Ratio Lower Upper
 146 100
 111 31.1 21.4 64.3
 148 50.4 31.4 94.3



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 1.21 ug/l
 RT: 13.57 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Tgt Ion: 75 Resp: 1978
 Ion Ratio Lower Upper
 75 100
 155 116.9 49.2 147.6
 157 88.2 66.8 200.4

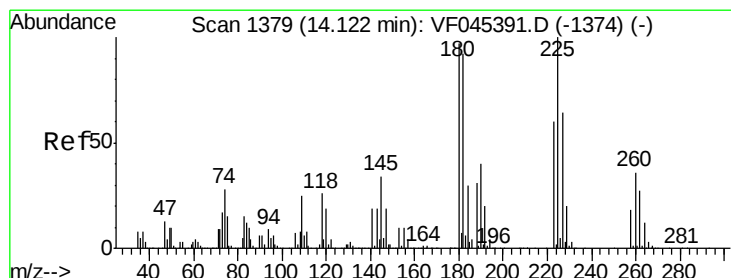
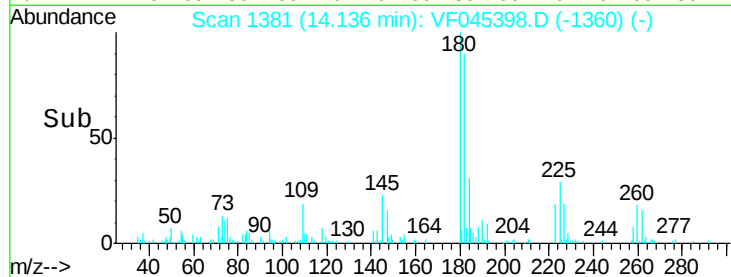
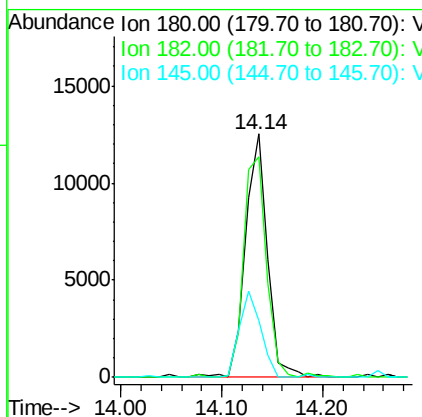
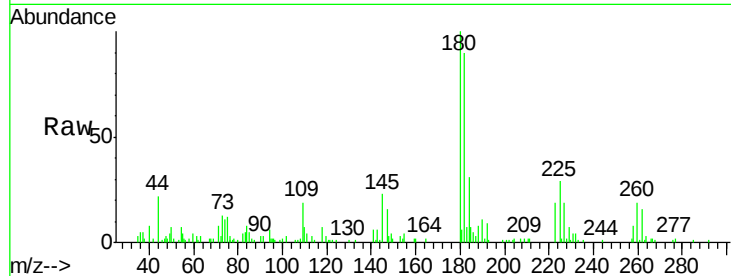




#92
 1,2,4-Trichlorobenzene
 Concen: 1.37 ug/l
 RT: 14.14 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

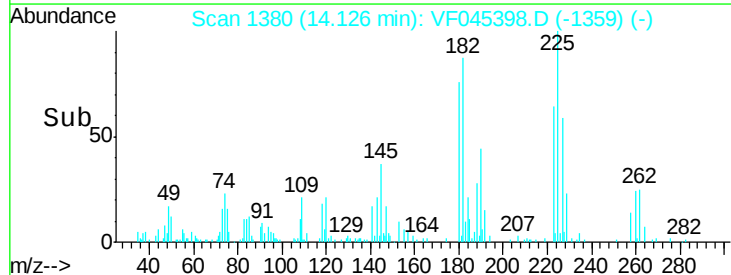
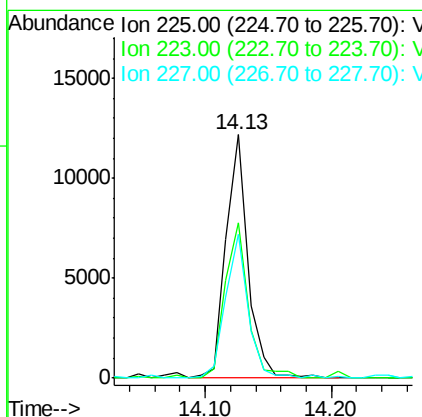
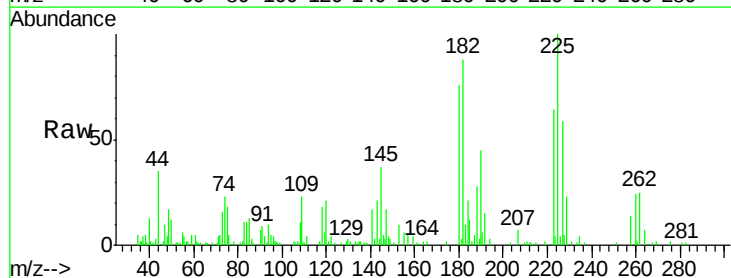
Instrument :
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 ClientSampleId :
 LOD-SOIL2015-01

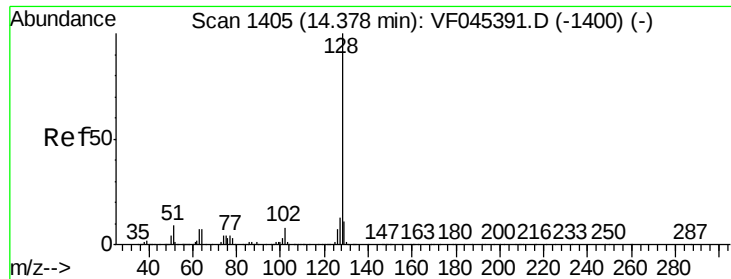
Tgt Ion:180 Resp: 19108
 Ion Ratio Lower Upper
 180 100
 182 90.4 49.4 148.0
 145 23.2 16.7 50.1



#93
 Hexachlorobutadiene
 Concen: 1.39 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Tgt Ion:225 Resp: 14740
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.9 95.5
 227 56.7 32.9 98.7

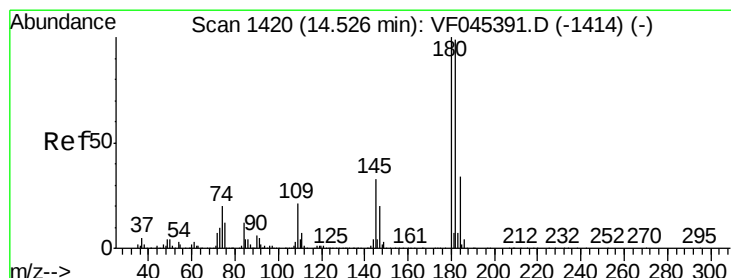
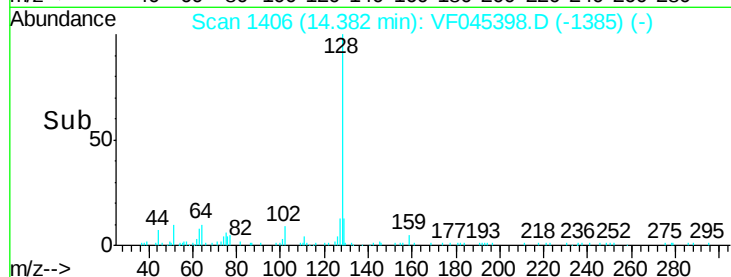
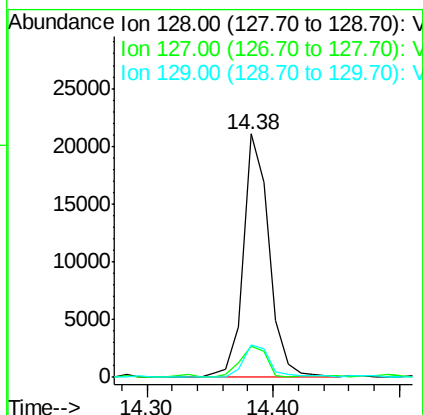
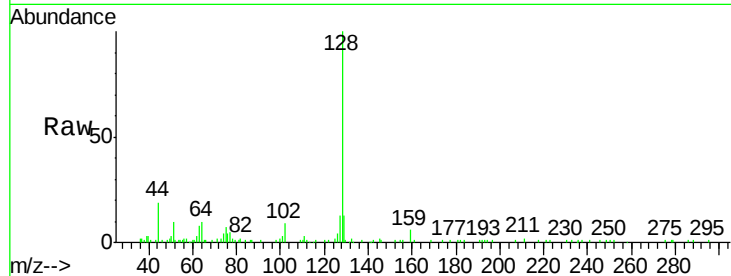




#94
Naphthalene
Concen: 2.76 ug/l
RT: 14.38 min Scan# 1406
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:128 Resp: 29639
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.8
129 13.2 8.8 13.2#



#95
1,2,3-Trichlorobenzene
Concen: 1.37 ug/l
RT: 14.53 min Scan# 1421
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion:180 Resp: 15795
Ion Ratio Lower Upper
180 100
182 78.1 47.6 142.8
145 27.0 14.5 43.6

