

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF091615\
 Data File : VF045400.D
 Acq On : 16 Sep 2015 20:35
 Operator : FY/SY
 Sample : G3707-03LOD 3ppb
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Sep 17 07:16:58 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	4.81	168	1083087	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1631714	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1579460	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	839888	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.78	65	563360	48.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.88%	
34) Dibromofluoromethane	4.03	113	629509	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
49) Toluene-d8	7.50	98	1879824	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
61) 4-Bromofluorobenzene	11.35	95	868127	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	36683	3.98	ug/l	93
3) Chloromethane	1.02	50	27025	3.42	ug/l	95
4) Vinyl Chloride	1.09	62	21186	3.13	ug/l #	78
5) Bromomethane	1.25	94	13484	3.21	ug/l #	65
6) Chloroethane	1.33	64	10532	3.90	ug/l #	79
7) Trichlorofluoromethane	1.45	101	21169	1.52	ug/l	87
8) Diethyl Ether	1.60	74	9407	3.24	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	1.78	101	27821	3.48	ug/l #	82
10) Methyl Iodide	1.80	142	56318	3.45	ug/l #	94
11) Tert butyl alcohol	2.49	59	2900	22.19	ug/l #	12
12) 1,1-Dichloroethene	1.72	96	22423	3.38	ug/l	88
13) Acrolein	1.95	56	7214	13.32	ug/l #	77
14) Allyl chloride	2.05	41	32070	3.11	ug/l #	79
15) Acrylonitrile	2.87	53	21044	16.85	ug/l #	78
16) Acetone	2.19	43	41240	15.62	ug/l #	90
17) Carbon Disulfide	1.73	76	77463	3.42	ug/l	100
18) Methyl Acetate	2.30	43	44469	4.39	ug/l #	90
19) Methyl tert-butyl Ether	2.38	73	16275	3.12	ug/l #	85
20) Methylene Chloride	2.13	84	31383	Below	Cal	91
21) trans-1,2-Dichloroethene	2.26	96	25992	3.49	ug/l #	92
22) Diisopropyl ether	2.75	45	71973	3.28	ug/l	96
23) Vinyl Acetate	3.12	43	107551	16.78	ug/l #	92
24) 1,1-Dichloroethane	2.82	63	51668	3.48	ug/l #	95
25) 2-Butanone	4.27	43	71232	19.28	ug/l	97
26) 2,2-Dichloropropane	3.54	77	45826	3.31	ug/l	98
27) cis-1,2-Dichloroethene	3.41	96	44322	3.86	ug/l	85
28) Bromochloromethane	3.65	49	24554	4.21	ug/l #	73
29) Chloroform	3.78	83	72924	3.49	ug/l	96
30) Cyclohexane	3.64	56	52775	3.93	ug/l	95
31) 1,1,1-Trichloroethane	4.03	97	61344	3.54	ug/l #	92
35) 1,1-Dichloropropene	4.21	75	47117	3.04	ug/l #	87
36) Ethyl Acetate	4.04	43	34813	4.44	ug/l #	94
37) Carbon Tetrachloride	3.92	117	54666	3.35	ug/l	97
38) Methylcyclohexane	5.41	83	58445	3.51	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.57	78	130636	3.61	ug/l	97
40) Methacrylonitrile	4.69	41	11260	3.04	ug/l #	74
41) 1,2-Dichloroethane	4.88	62	56104	3.84	ug/l	92
42) Isopropyl Acetate	6.91	43	33839	3.28	ug/l #	87
43) Trichloroethene	5.44	130	42981	3.48	ug/l	83
44) 1,2-Dichloropropane	6.17	63	37012	3.51	ug/l #	82
45) Dibromomethane	6.02	93	28379	3.78	ug/l #	77
46) Bromodichloromethane	6.33	83	53873	3.21	ug/l #	85
47) Methyl methacrylate	6.66	41	15846	2.53	ug/l #	83
48) 1,4-Dioxane	6.65	88	4935	65.77	ug/l	92
50) 4-Methyl-2-Pentanone	8.20	43	125588	17.11	ug/l	96
51) Toluene	7.57	92	100889	3.62	ug/l	100
52) t-1,3-Dichloropropene	8.21	75	49270	3.26	ug/l	91
53) cis-1,3-Dichloropropene	7.24	75	61014	3.42	ug/l #	89
54) 1,1,2-Trichloroethane	8.42	97	33515	3.55	ug/l #	91
55) Ethyl methacrylate	8.56	69	37315	3.04	ug/l	97
56) 1,3-Dichloropropane	8.79	76	55139	3.58	ug/l	99
58) 2-Hexanone	9.43	43	94138	16.12	ug/l	87
59) Dibromochloromethane	8.65	129	40705	3.05	ug/l	89
60) 1,2-Dibromoethane	8.93	107	30517	2.85	ug/l	92
63) Tetrachloroethene	8.10	164	43339	3.45	ug/l #	74
64) Chlorobenzene	9.72	112	119527	3.61	ug/l	96
65) 1,1,1,2-Tetrachloroethane	9.85	131	38304	3.16	ug/l	85
66) Ethyl Benzene	9.83	91	201900	3.52	ug/l	97
67) m/p-Xylenes	10.07	106	153864	7.48	ug/l	92
68) o-Xylene	10.65	106	83494	3.91	ug/l	92
69) Styrene	10.73	104	127874	3.75	ug/l	96
70) Bromoform	10.70	173	24262	2.70	ug/l	90
72) Isopropylbenzene	11.07	105	218863	3.89	ug/l	97
73) N-amyl acetate	11.32	43	56333	3.61	ug/l	96
74) 1,1,2,2-Tetrachloroethane	11.64	83	50091	3.93	ug/l	92
75) 1,2,3-Trichloropropane	11.73	75	32175	3.67	ug/l	87
76) Bromobenzene	11.44	156	62590	3.92	ug/l	84
77) n-propylbenzene	11.54	91	289108	4.14	ug/l	92
78) 2-Chlorotoluene	11.66	91	157908	4.04	ug/l	95
79) 1,3,5-Trimethylbenzene	11.77	105	175903	3.84	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	13644	2.90	ug/l #	46
81) 4-Chlorotoluene	11.84	91	165216	3.83	ug/l	98
82) tert-Butylbenzene	12.08	119	176116	3.88	ug/l	97
83) 1,2,4-Trimethylbenzene	12.15	105	180812	3.85	ug/l	99
84) sec-Butylbenzene	12.26	105	255326	4.05	ug/l	95
85) p-Isopropyltoluene	12.40	119	193173	3.94	ug/l	94
86) 1,3-Dichlorobenzene	12.41	146	108547	4.00	ug/l	95
87) 1,4-Dichlorobenzene	12.50	146	101991	3.77	ug/l	93
88) n-Butylbenzene	12.79	91	199677	4.05	ug/l	96
89) Hexachloroethane	12.86	117	40303	3.47	ug/l	90
90) 1,2-Dichlorobenzene	12.88	146	99044	3.97	ug/l	92
91) 1,2-Dibromo-3-Chloropropan	13.59	75	5318	3.14	ug/l	91
92) 1,2,4-Trichlorobenzene	14.14	180	52280	3.62	ug/l	80
93) Hexachlorobutadiene	14.13	225	39281	3.58	ug/l	84

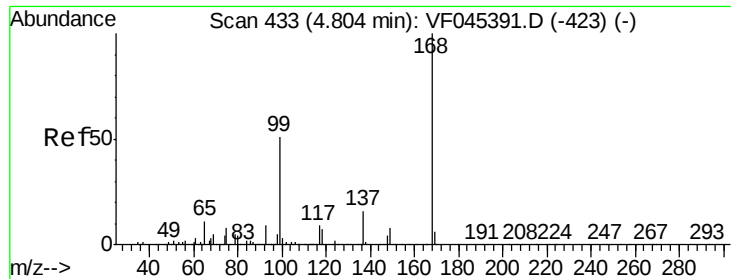
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 16:04:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	81773	4.57	ug/l #	95
95) 1,2,3-Trichlorobenzene	14.53	180	41103	3.46	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

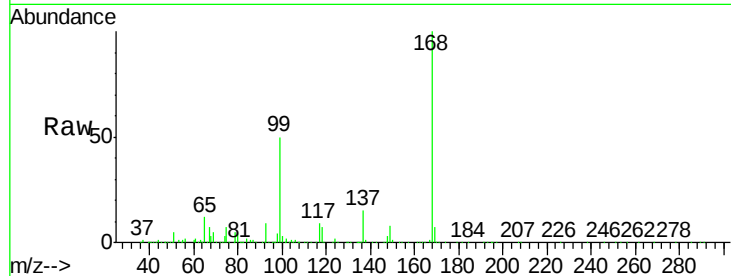
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:168 Resp: 1083087

Ion Ratio Lower Upper

168 100

99 50.1 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.81

400000

300000

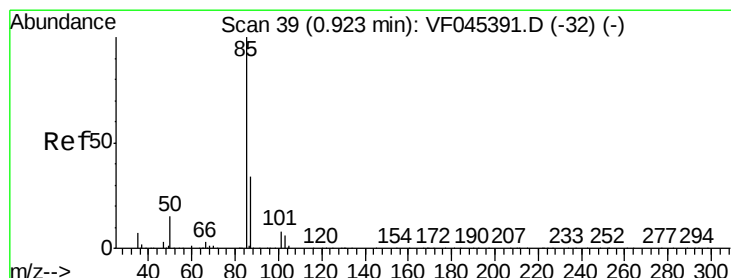
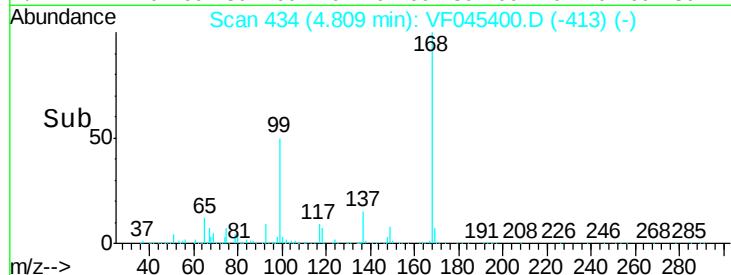
200000

100000

0

Time-->

4.60 4.80 5.00



#2

Dichlorodifluoromethane

Concen: 3.98 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.01 min

Lab File: VF045400.D

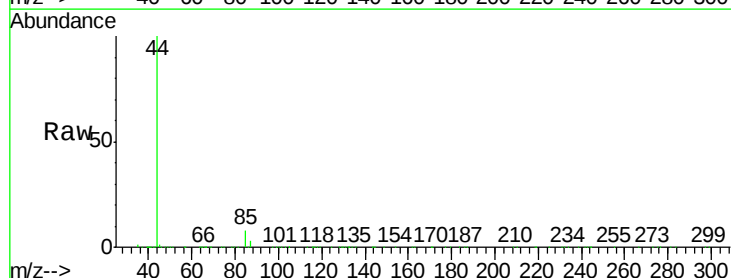
Acq: 16 Sep 2015 20:35

Tgt Ion: 85 Resp: 36683

Ion Ratio Lower Upper

85 100

87 35.1 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.93

15000

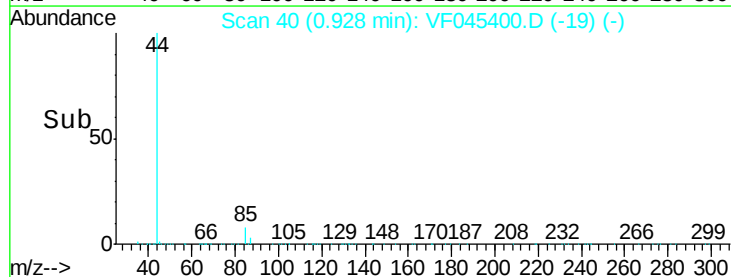
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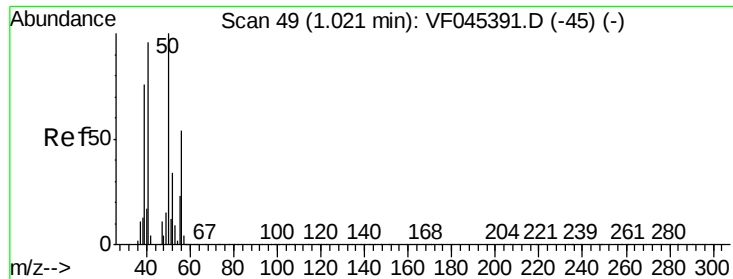
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 3.42 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.00 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

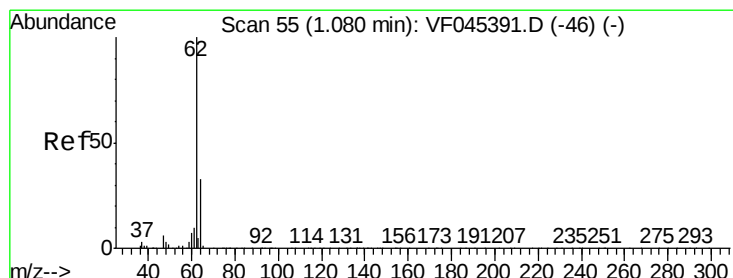
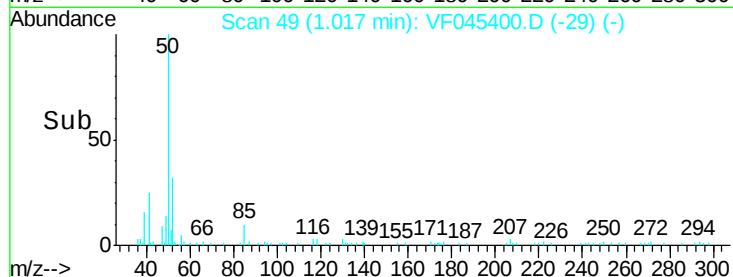
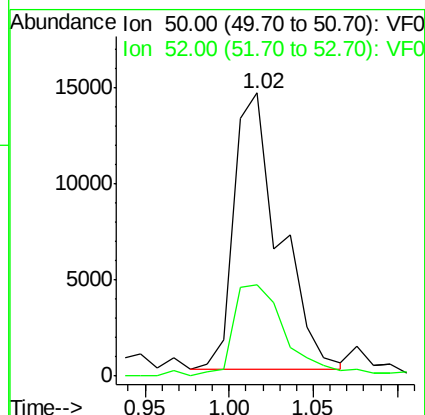
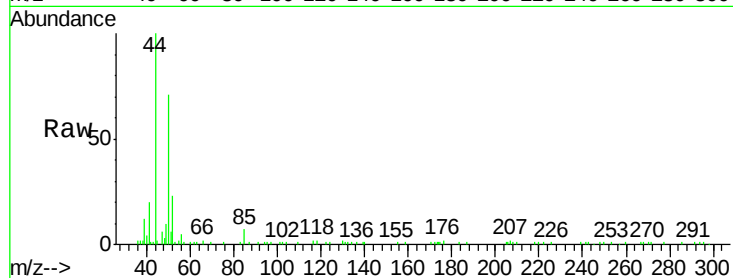
LOD-SOIL2015-01

Tgt Ion: 50 Resp: 27025

Ion Ratio Lower Upper

50 100

52 32.4 23.8 35.8



#4

Vinyl Chloride

Concen: 3.13 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF045400.D

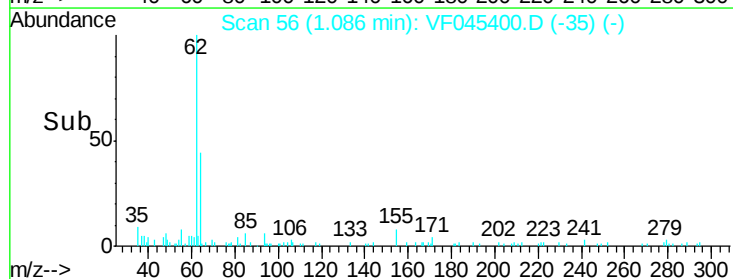
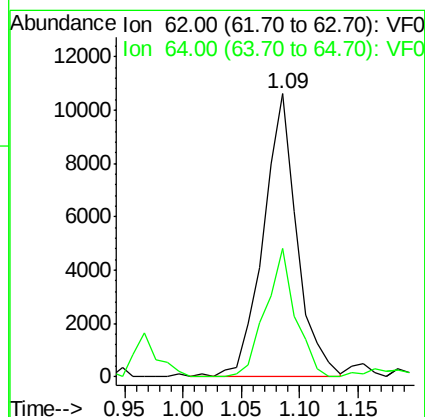
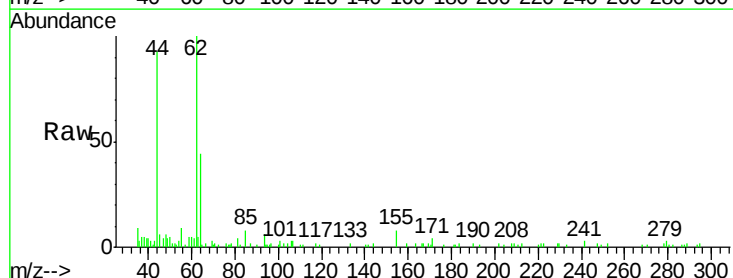
Acq: 16 Sep 2015 20:35

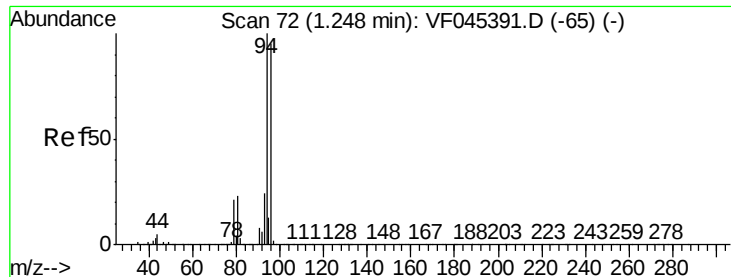
Tgt Ion: 62 Resp: 21186

Ion Ratio Lower Upper

62 100

64 45.6 26.6 39.8#





#5

Bromomethane

Concen: 3.21 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

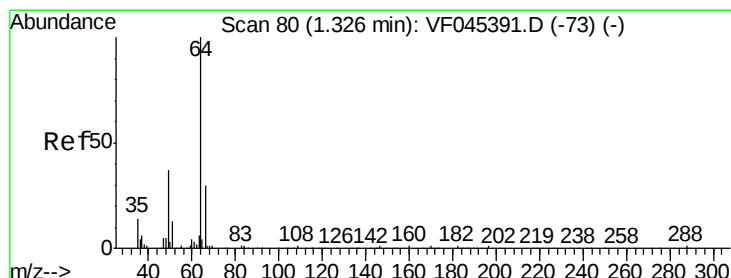
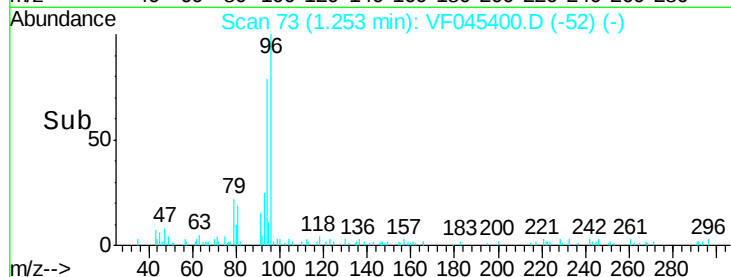
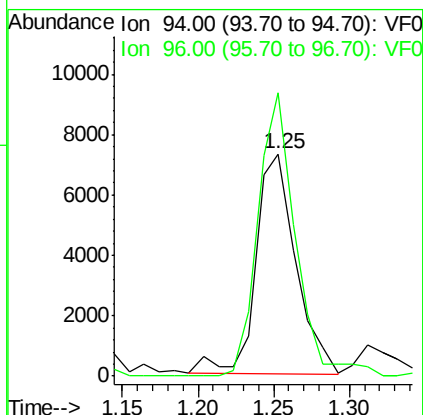
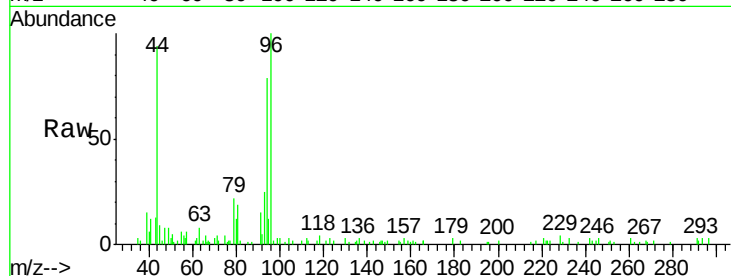
LOD-SOIL2015-01

Tgt Ion: 94 Resp: 13484

Ion Ratio Lower Upper

94 100

96 127.2 75.0 112.4#



#6

Chloroethane

Concen: 3.90 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045400.D

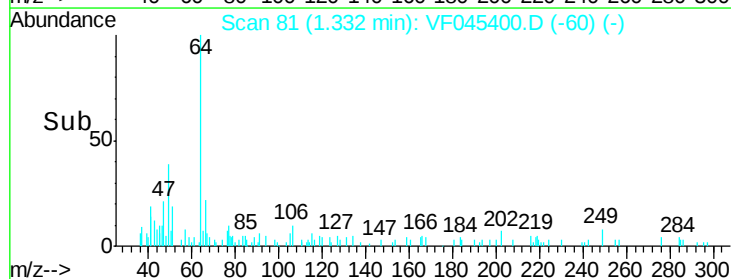
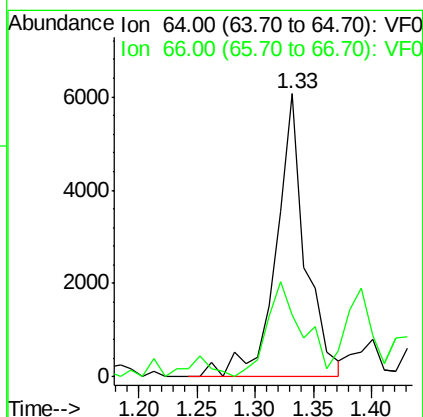
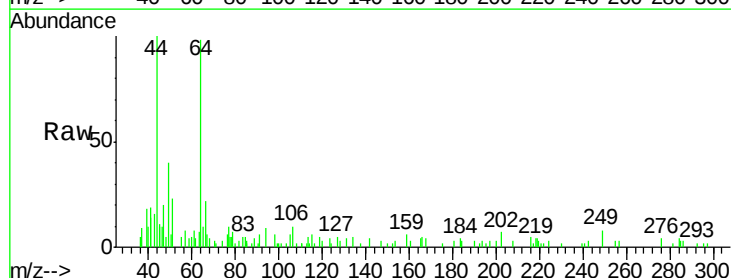
Acq: 16 Sep 2015 20:35

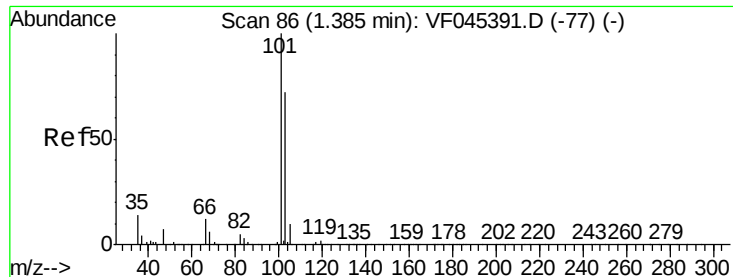
Tgt Ion: 64 Resp: 10532

Ion Ratio Lower Upper

64 100

66 22.0 27.3 40.9#





#7

Trichlorofluoromethane

Concen: 1.52 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.06 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

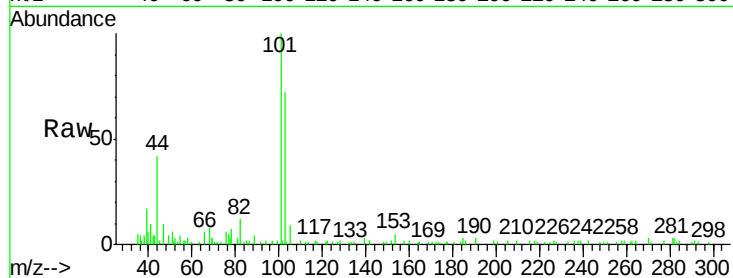
LOD-SOIL2015-01

Tgt Ion:101 Resp: 21169

Ion Ratio Lower Upper

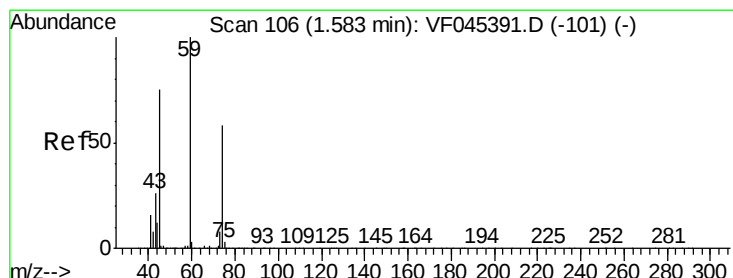
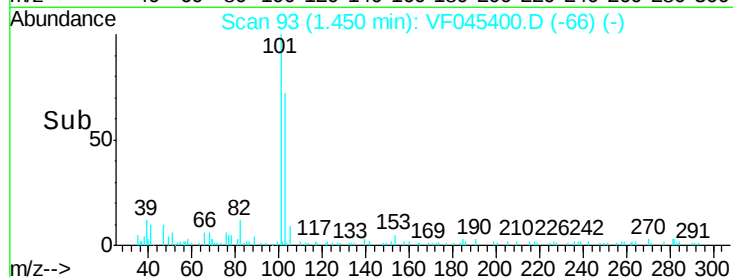
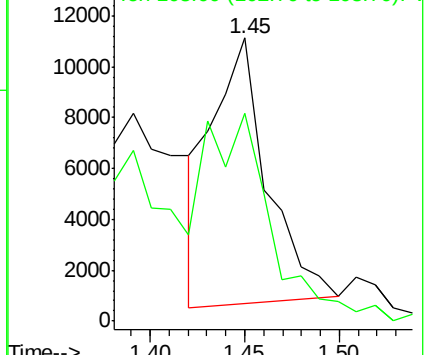
101 100

103 73.4 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 3.24 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.02 min

Lab File: VF045400.D

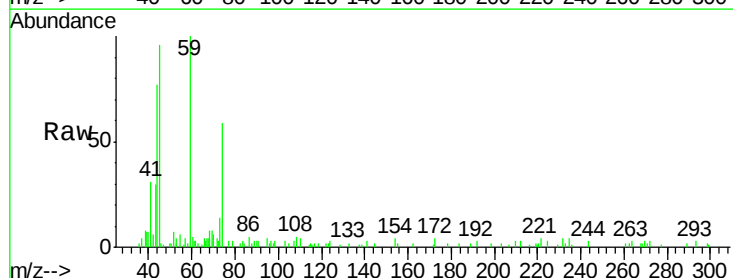
Acq: 16 Sep 2015 20:35

Tgt Ion: 74 Resp: 9407

Ion Ratio Lower Upper

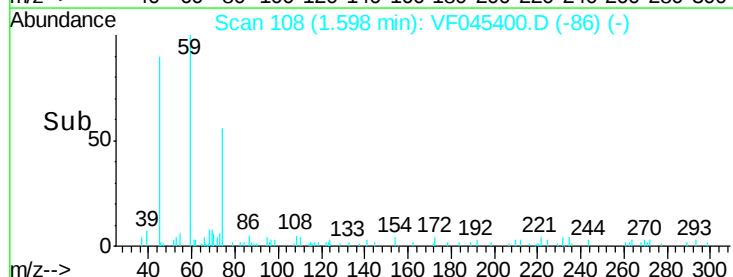
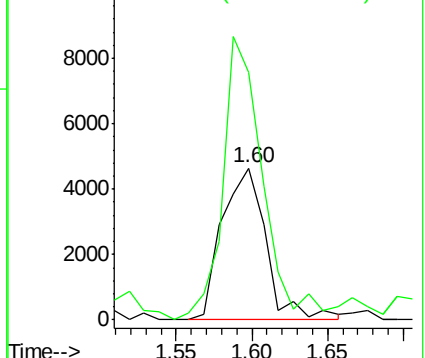
74 100

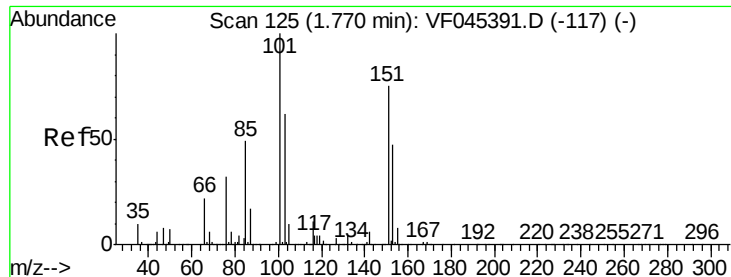
45 162.8 60.9 182.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.48 ug/l

RT: 1.78 min Scan# 126

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

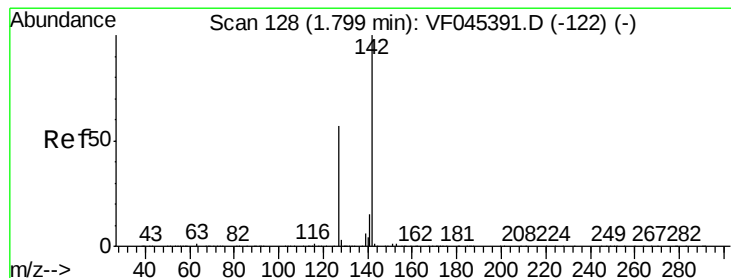
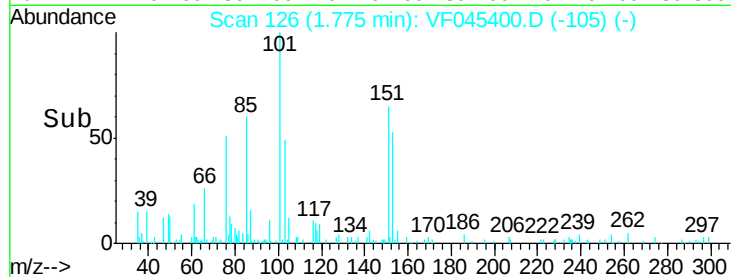
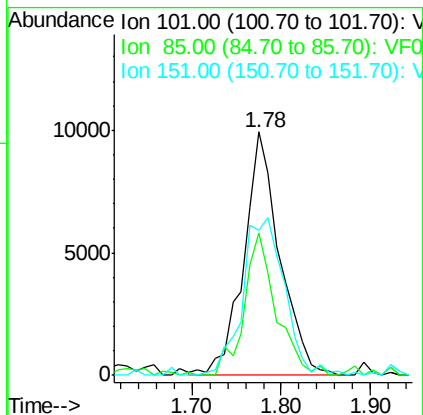
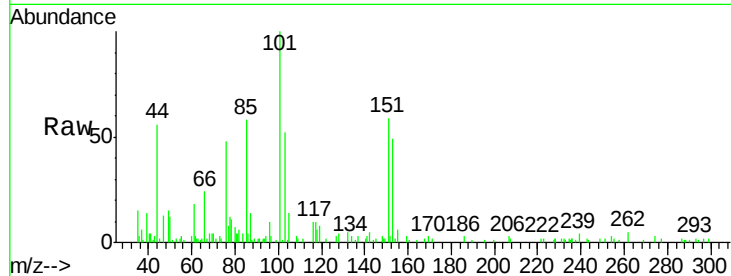
Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	101	Resp:	27821
Ion	Ratio	Lower	Upper
101	100		
85	58.4	40.0	60.0
151	59.5	62.8	94.2#



#10

Methyl Iodide

Concen: 3.45 ug/l

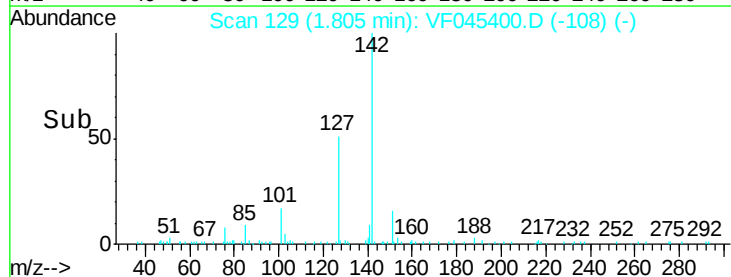
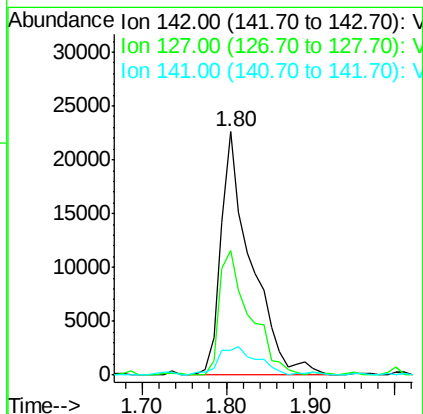
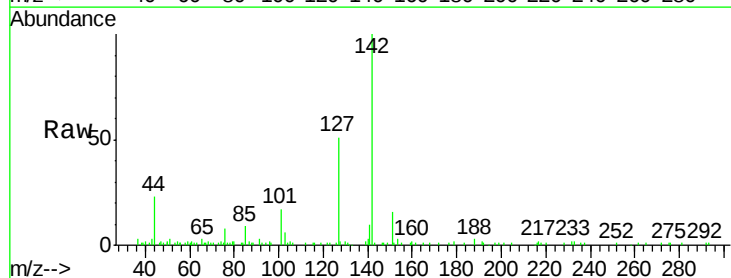
RT: 1.80 min Scan# 129

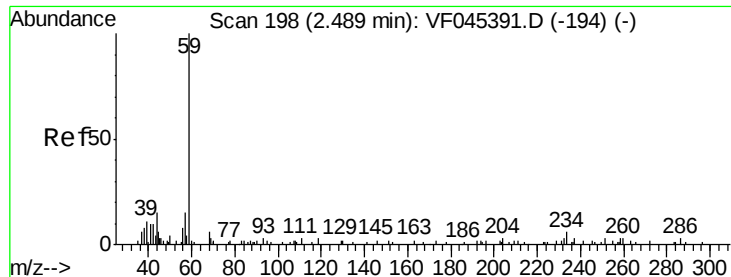
Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Tgt Ion:	142	Resp:	56318
Ion	Ratio	Lower	Upper
142	100		
127	50.9	43.3	64.9
141	10.2	12.1	18.1#

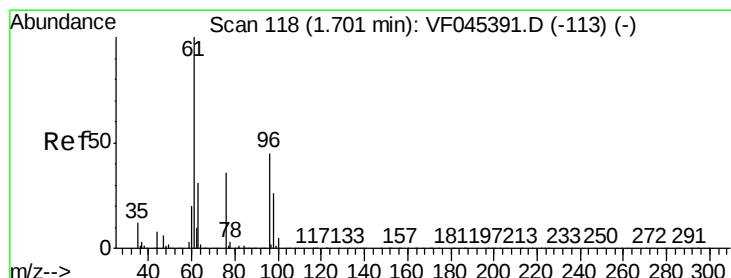
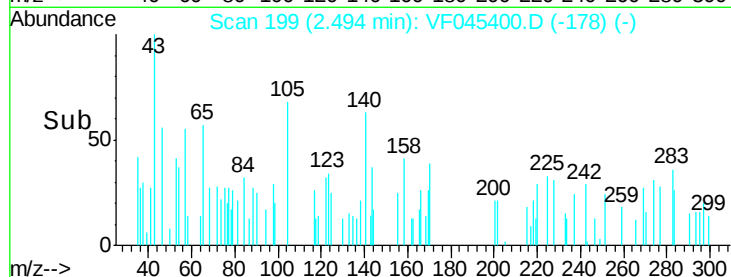
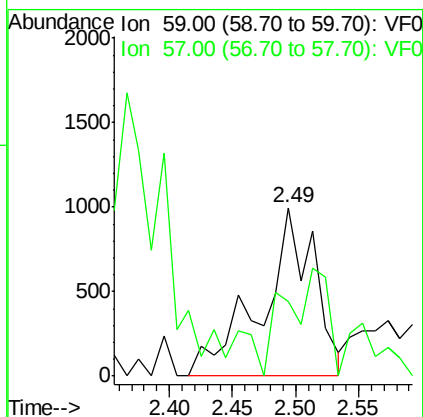
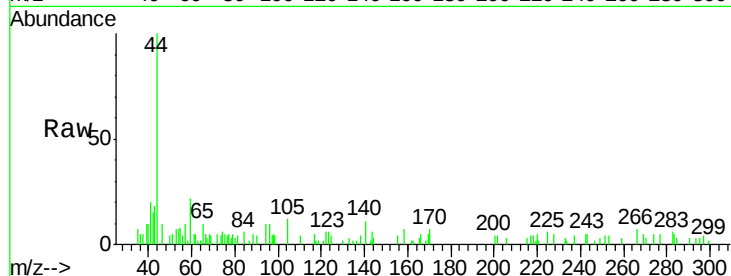




#11
Tert butyl alcohol
Concen: 22.19 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

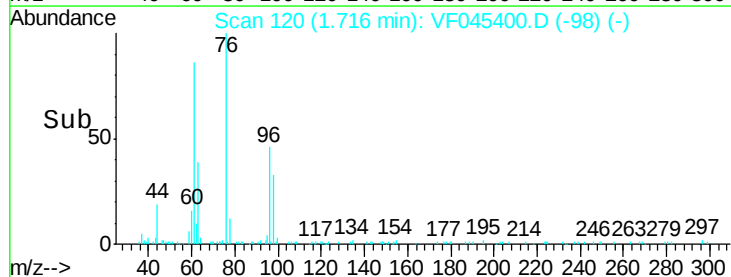
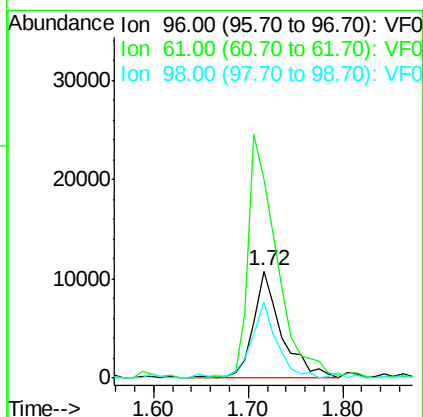
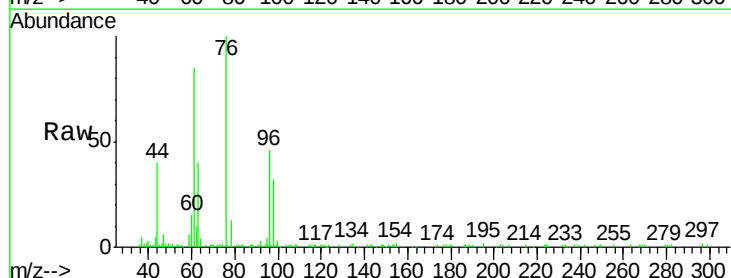
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

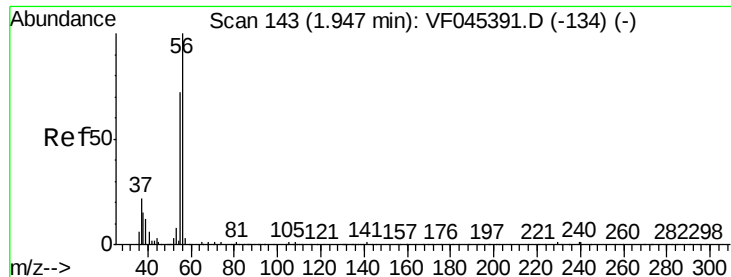
Tgt Ion: 59 Resp: 2900
Ion Ratio Lower Upper
59 100
57 44.1 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 3.38 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion: 96 Resp: 22423
Ion Ratio Lower Upper
96 100
61 186.5 165.8 248.8
98 70.9 51.2 76.8





#13

Acrolein

Concen: 13.32 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

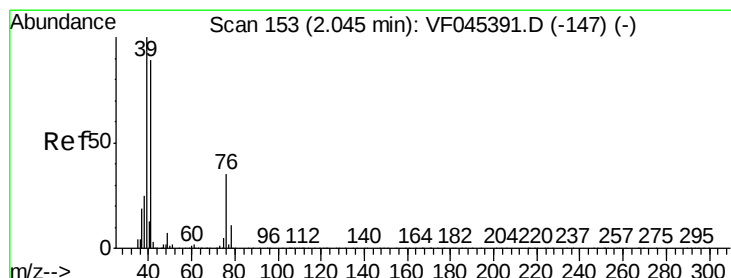
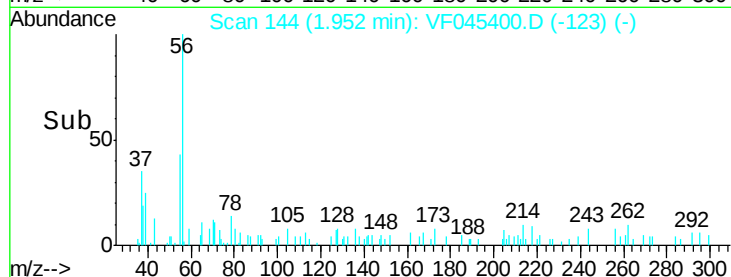
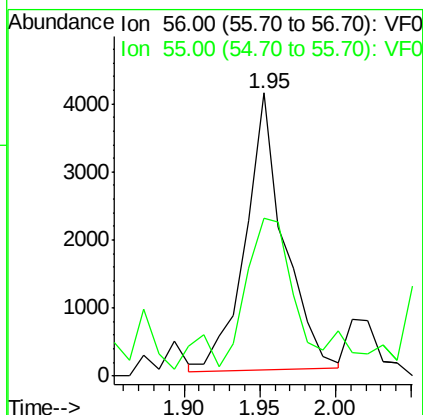
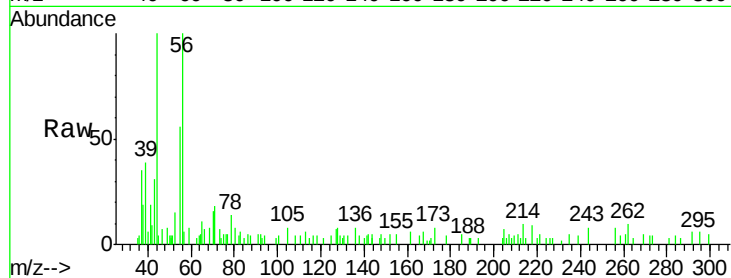
LOD-SOIL2015-01

Tgt Ion: 56 Resp: 7214

Ion Ratio Lower Upper

56 100

55 55.6 60.5 90.7#



#14

Allyl chloride

Concen: 3.11 ug/l

RT: 2.05 min Scan# 154

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

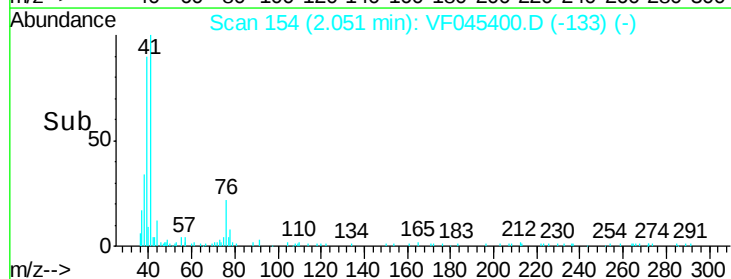
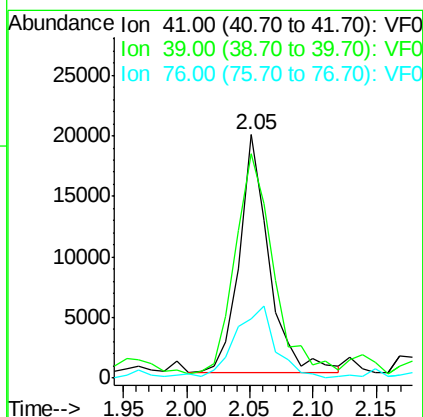
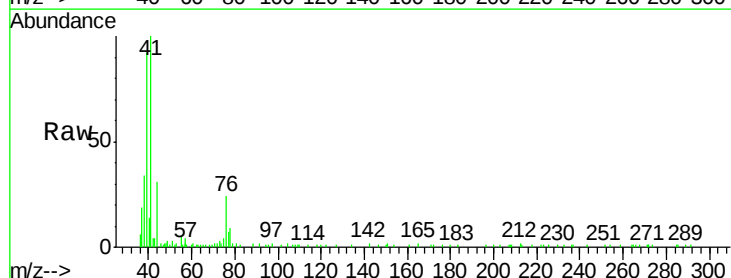
Tgt Ion: 41 Resp: 32070

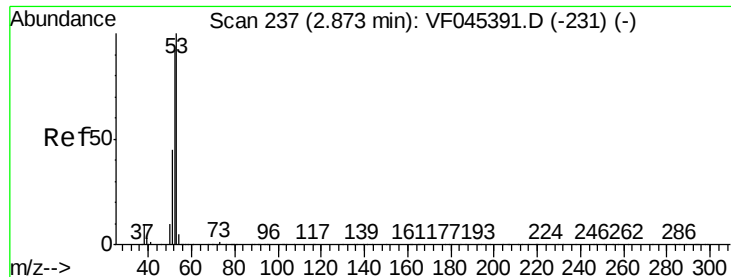
Ion Ratio Lower Upper

41 100

39 92.4 92.8 139.2#

76 24.1 27.7 41.5#





#15

Acrylonitrile

Concen: 16.85 ug/l

RT: 2.87 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

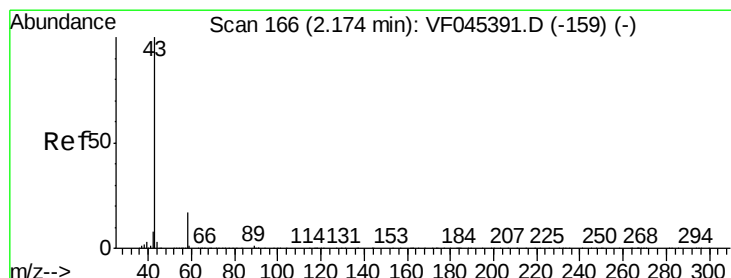
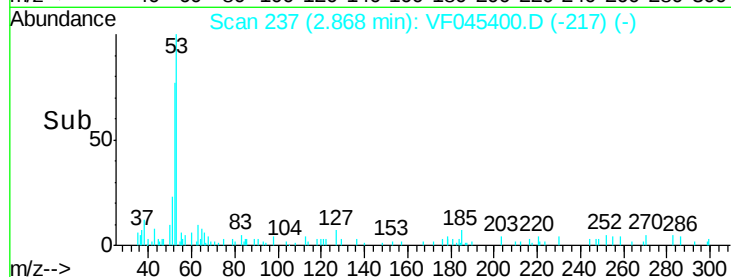
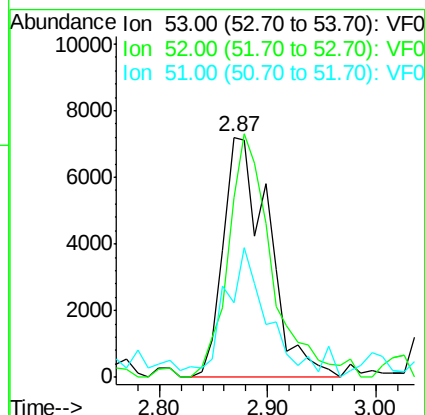
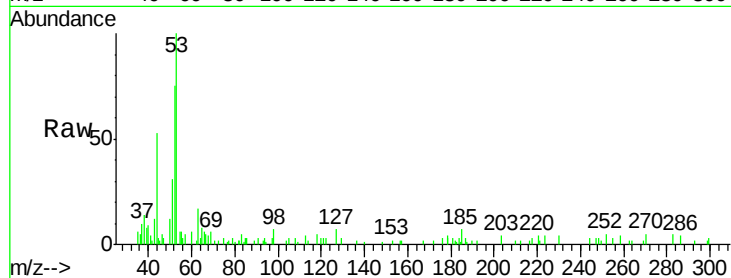
Tgt Ion: 53 Resp: 21044

Ion Ratio Lower Upper

53 100

52 74.9 72.7 109.1

51 31.0 42.2 63.2#



#16

Acetone

Concen: 15.62 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.02 min

Lab File: VF045400.D

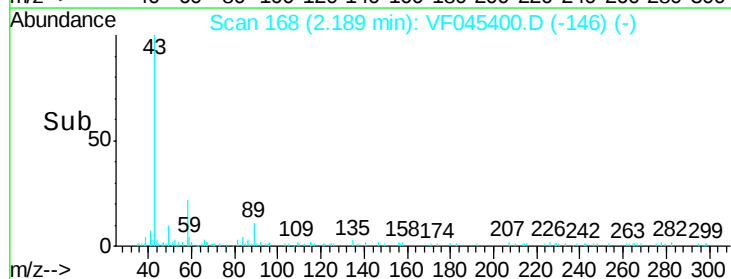
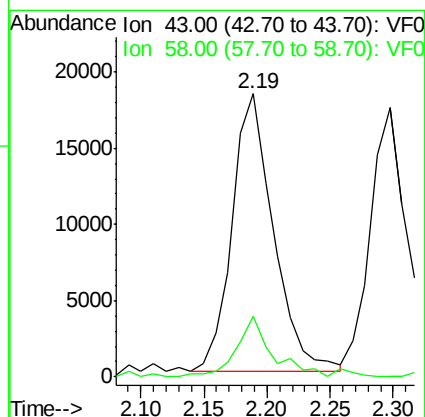
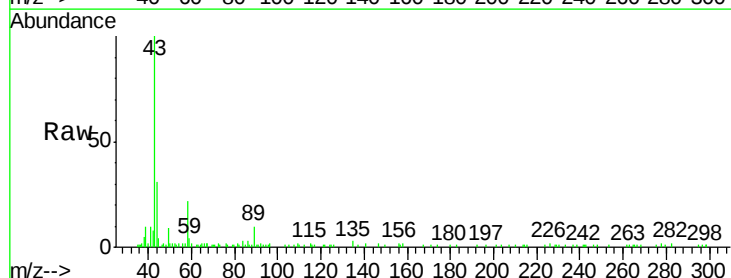
Acq: 16 Sep 2015 20:35

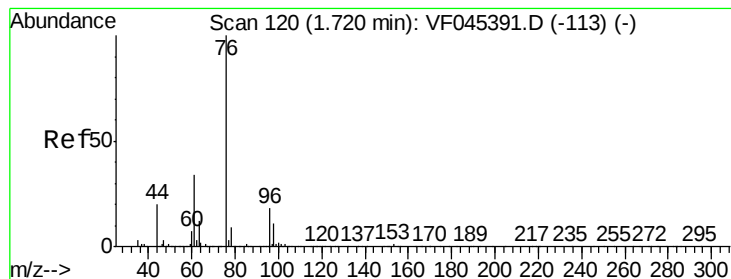
Tgt Ion: 43 Resp: 41240

Ion Ratio Lower Upper

43 100

58 21.6 13.9 20.9#





#17

Carbon Disulfide

Concen: 3.42 ug/l

RT: 1.73 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

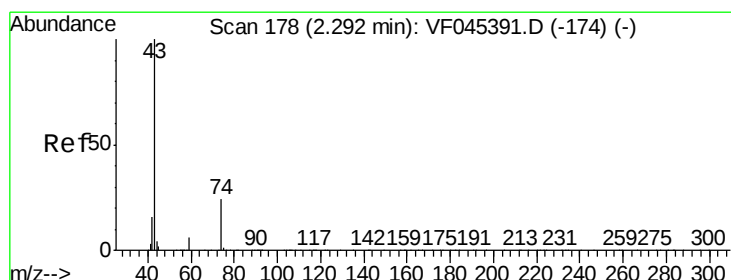
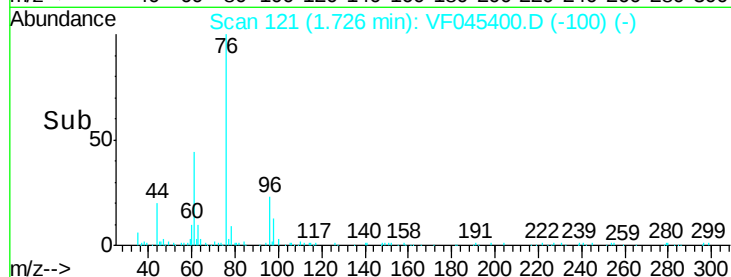
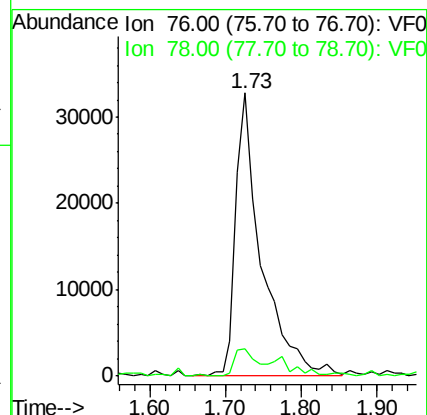
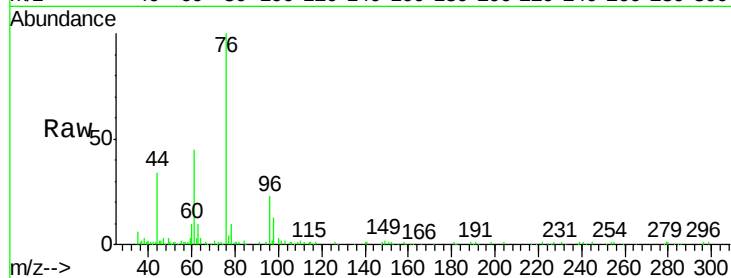
LOD-SOIL2015-01

Tgt Ion: 76 Resp: 77463

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4



#18

Methyl Acetate

Concen: 4.39 ug/l

RT: 2.30 min Scan# 179

Delta R.T. 0.01 min

Lab File: VF045400.D

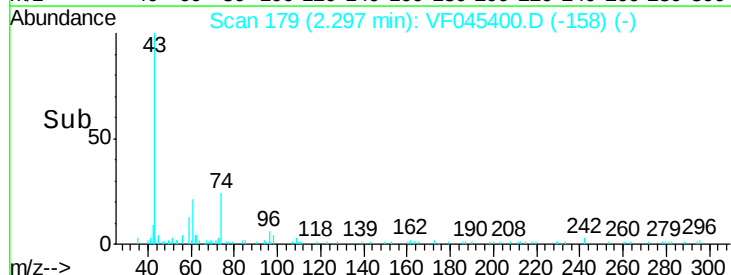
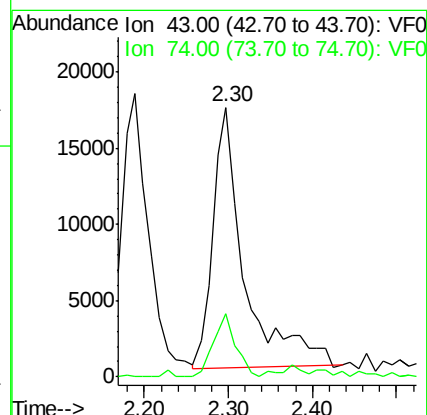
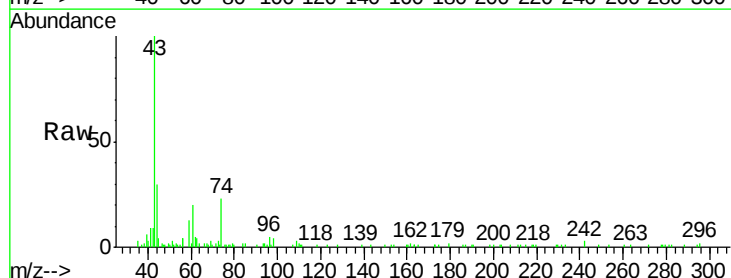
Acq: 16 Sep 2015 20:35

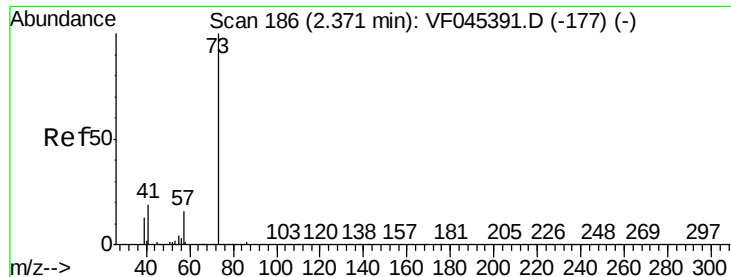
Tgt Ion: 43 Resp: 44469

Ion Ratio Lower Upper

43 100

74 23.4 15.1 22.7#





#19

Methyl tert-butyl Ether

Concen: 3.12 ug/l

RT: 2.38 min Scan# 187

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

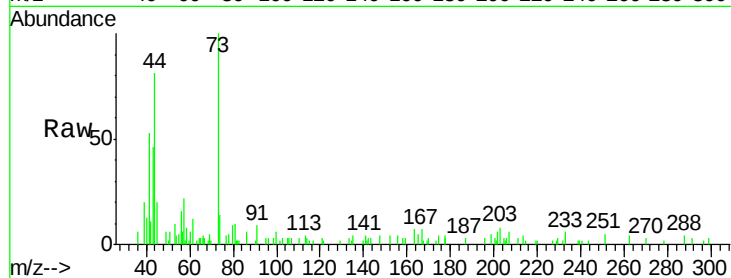
LOD-SOIL2015-01

Tgt Ion: 73 Resp: 16275

Ion Ratio Lower Upper

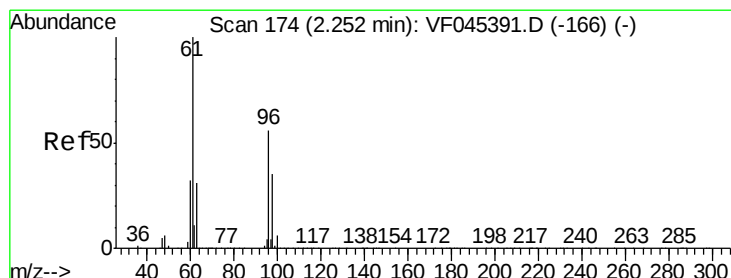
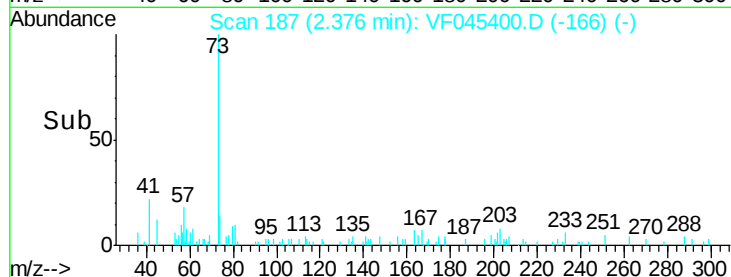
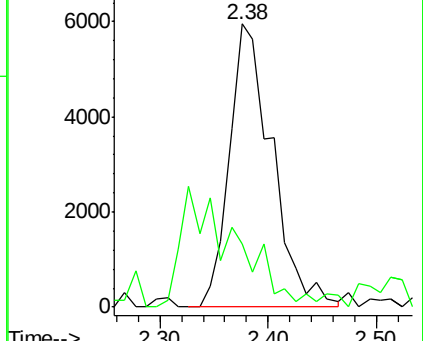
73 100

57 22.5 12.9 19.3#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#21

trans-1,2-Dichloroethene

Concen: 3.49 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

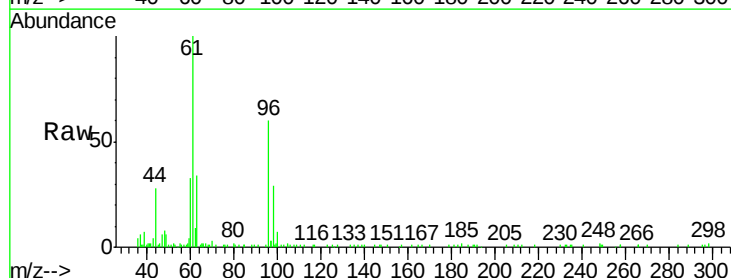
Tgt Ion: 96 Resp: 25992

Ion Ratio Lower Upper

96 100

61 166.0 136.8 205.2

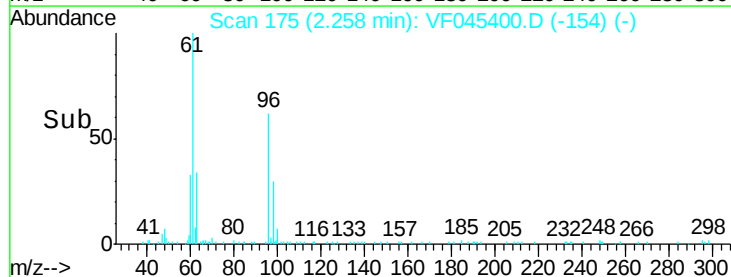
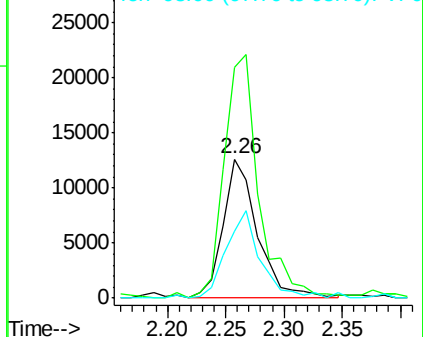
98 47.9 51.0 76.4#

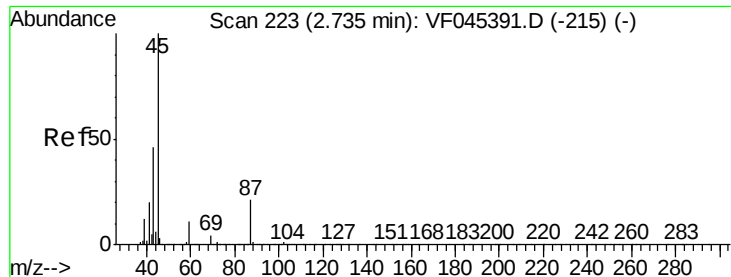


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

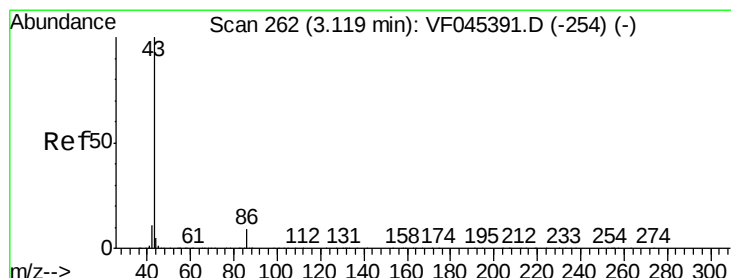
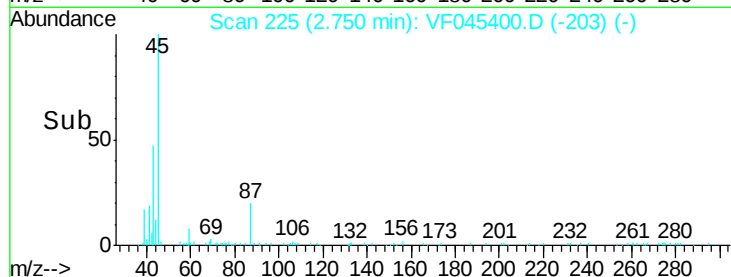
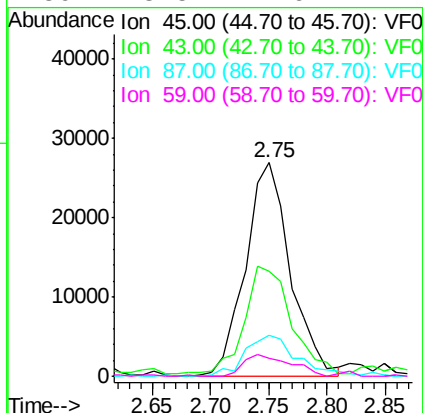
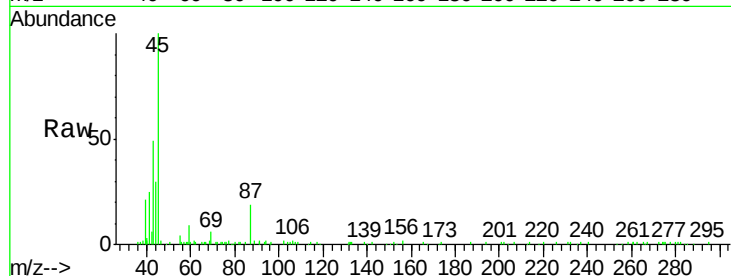




#22
Diisopropyl ether
Concen: 3.28 ug/l
RT: 2.75 min Scan# 225
Delta R.T. 0.02 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

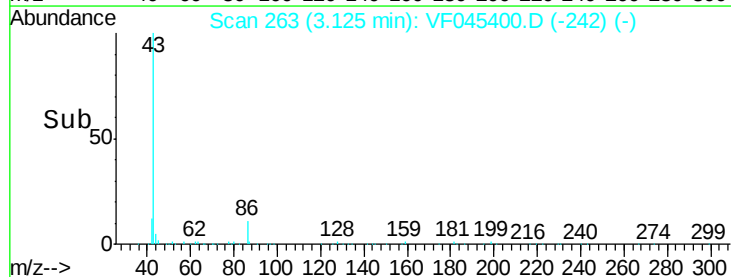
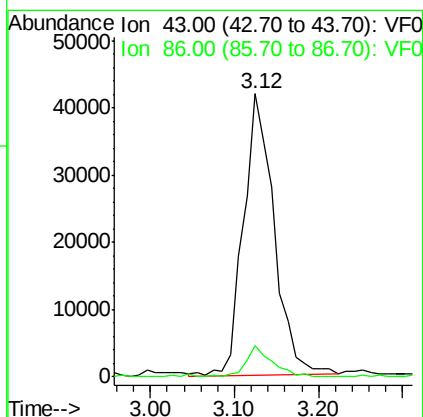
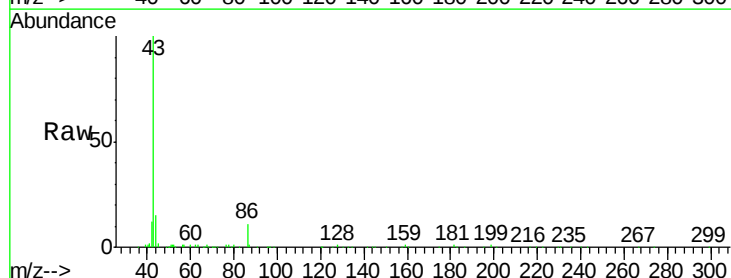
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

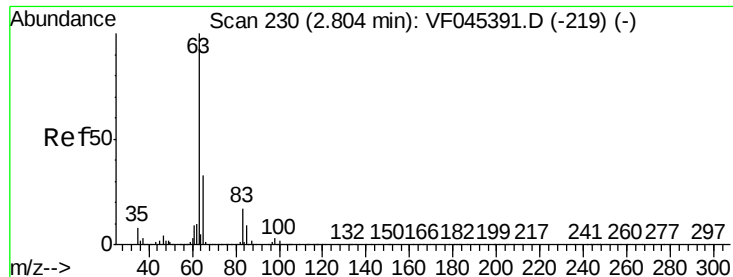
Tgt Ion:	45	Resp:	71973
Ion	Ratio	Lower	Upper
45	100		
43	49.4	42.2	63.4
87	19.4	16.6	25.0
59	8.5	7.6	11.4



#23
Vinyl Acetate
Concen: 16.78 ug/l
RT: 3.12 min Scan# 263
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion:	43	Resp:	107551
Ion	Ratio	Lower	Upper
43	100		
86	10.8	6.3	9.5#





#24

1,1-Dichloroethane

Concen: 3.48 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.02 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

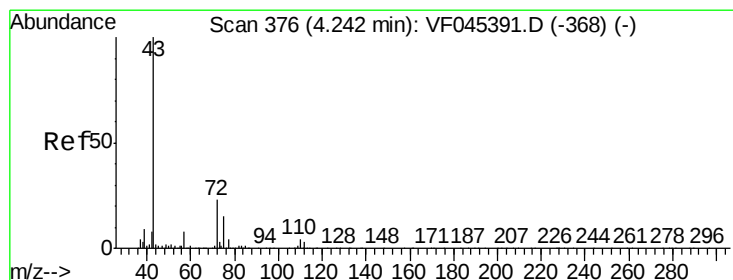
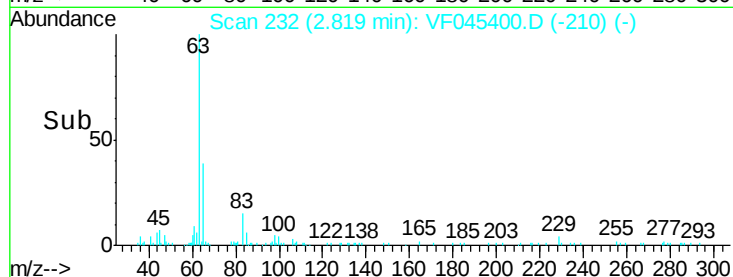
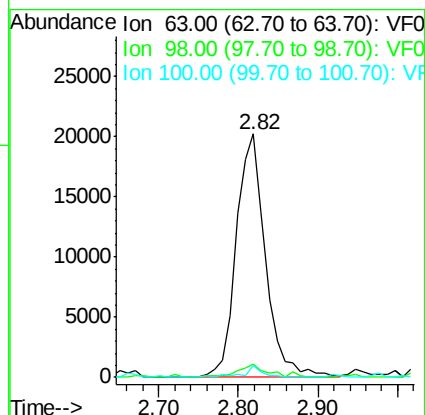
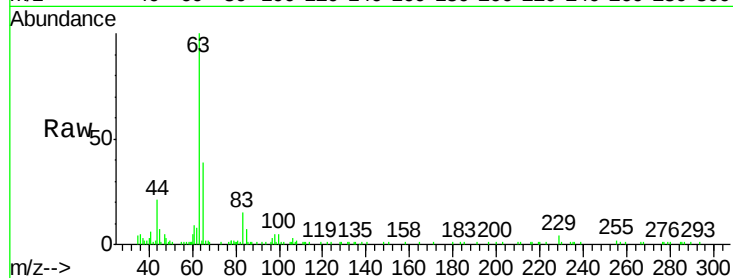
Tgt Ion: 63 Resp: 51668

Ion Ratio Lower Upper

63 100

98 5.3 2.2 6.6

100 5.1 1.1 3.5#



#25

2-Butanone

Concen: 19.28 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.03 min

Lab File: VF045400.D

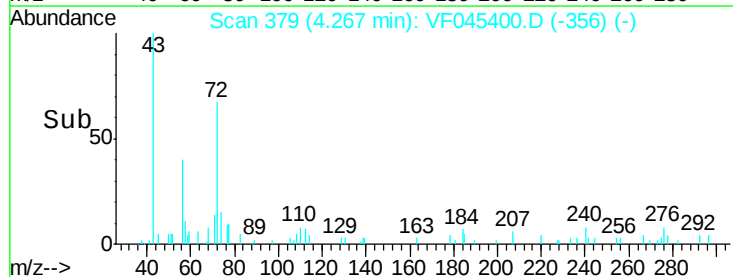
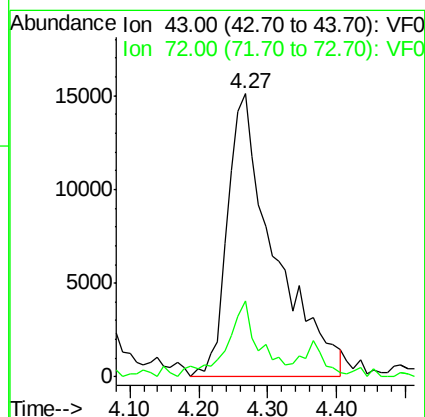
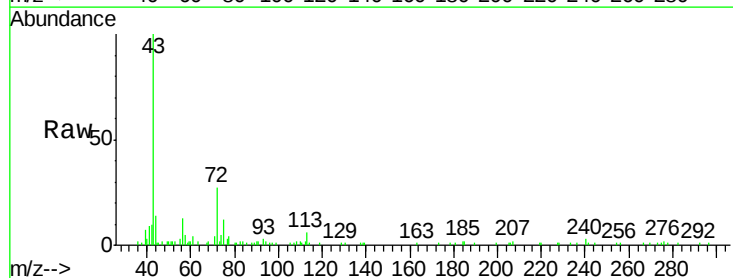
Acq: 16 Sep 2015 20:35

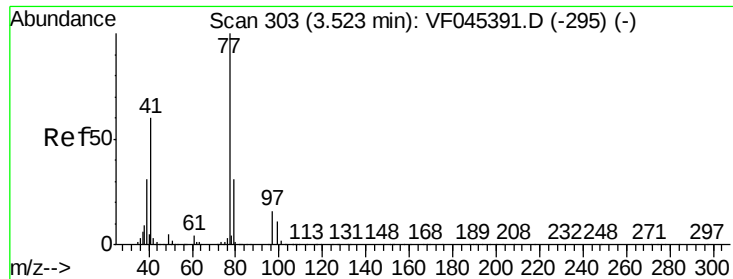
Tgt Ion: 43 Resp: 71232

Ion Ratio Lower Upper

43 100

72 26.8 20.2 30.2

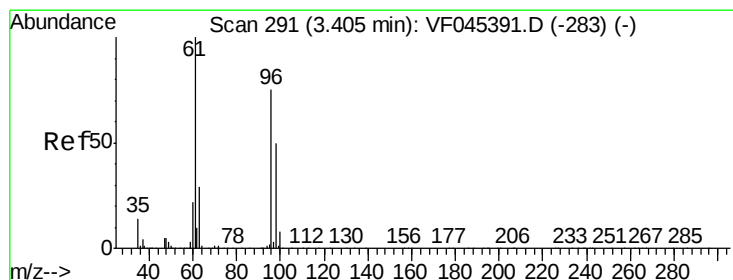
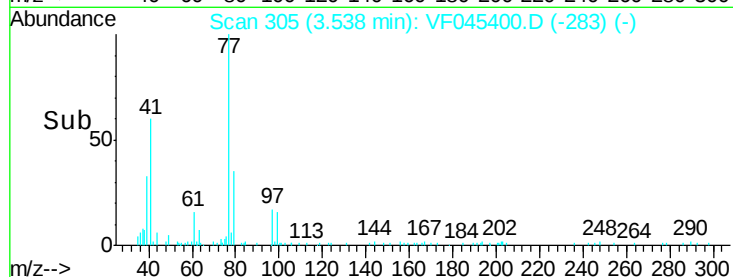
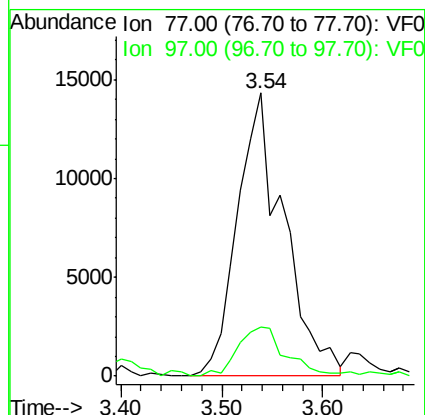
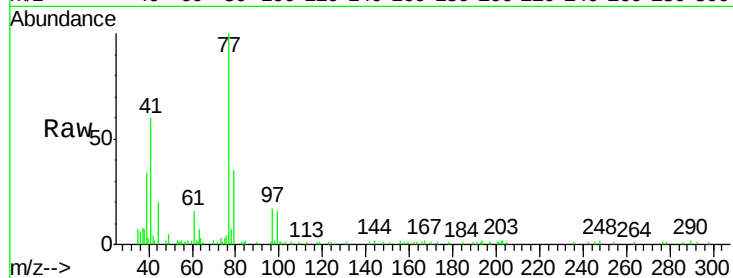




#26
 2,2-Dichloropropane
 Concen: 3.31 ug/l
 RT: 3.54 min Scan# 305
 Delta R.T. 0.02 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

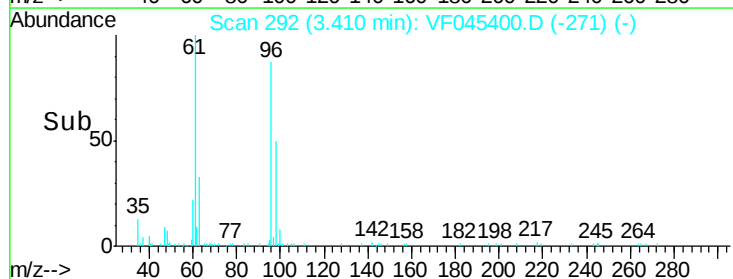
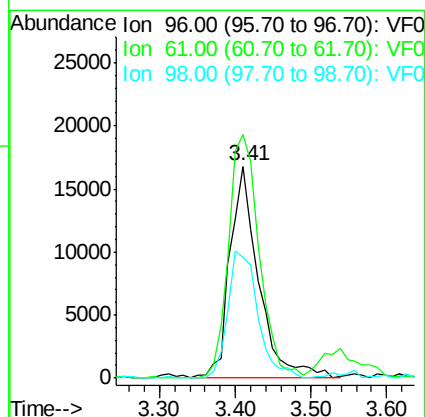
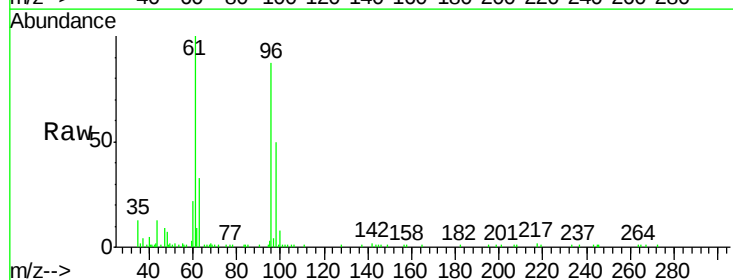
Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

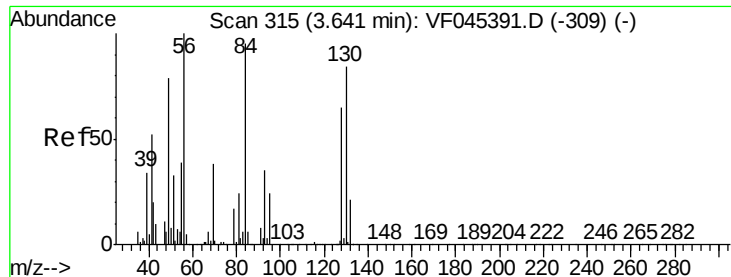
Tgt Ion: 77 Resp: 45826
 Ion Ratio Lower Upper
 77 100
 97 17.2 9.2 27.4



#27
 cis-1,2-Dichloroethene
 Concen: 3.86 ug/l
 RT: 3.41 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

Tgt Ion: 96 Resp: 44322
 Ion Ratio Lower Upper
 96 100
 61 114.9 0.0 268.6
 98 57.2 0.0 135.8





#28

Bromochloromethane

Concen: 4.21 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

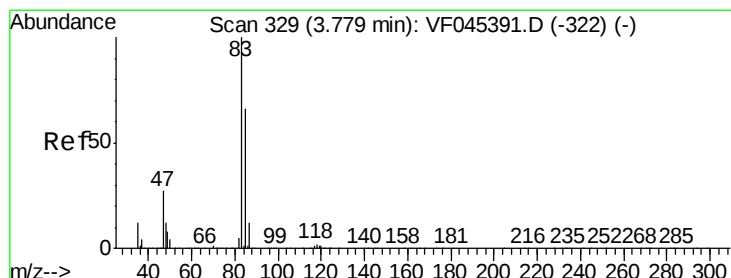
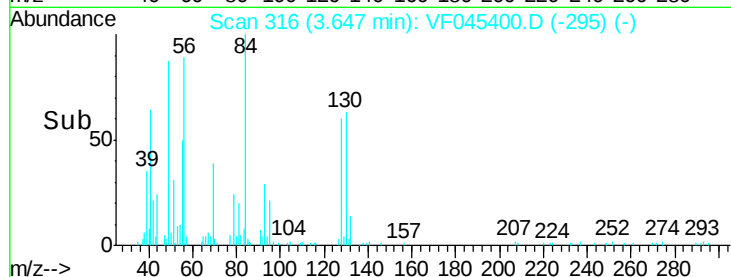
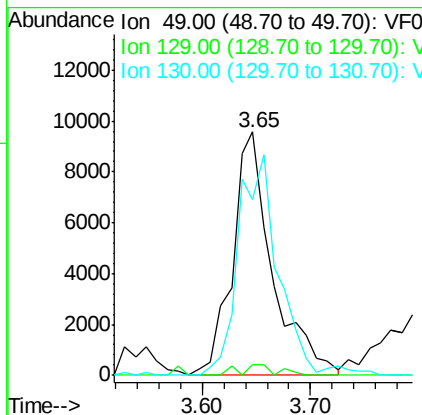
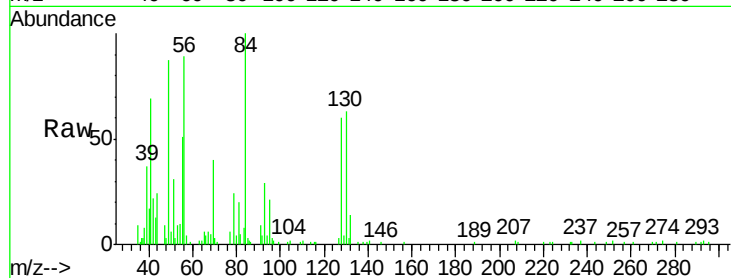
Tgt Ion: 49 Resp: 24554

Ion Ratio Lower Upper

49 100

129 4.4 0.0 0.0#

130 72.3 79.6 119.4#



#29

Chloroform

Concen: 3.49 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF045400.D

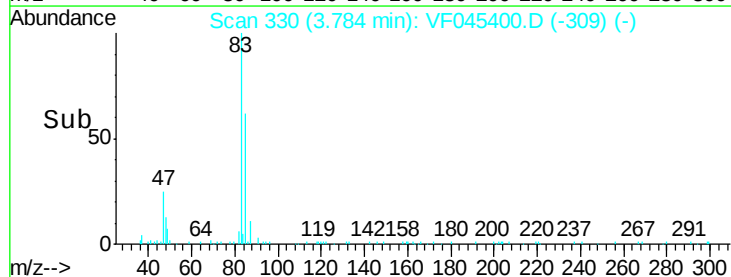
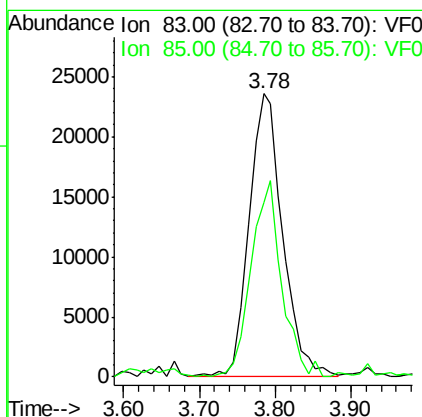
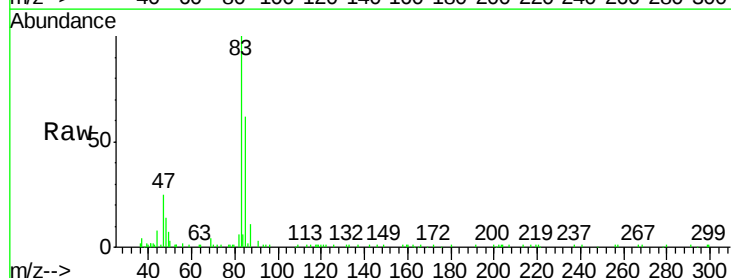
Acq: 16 Sep 2015 20:35

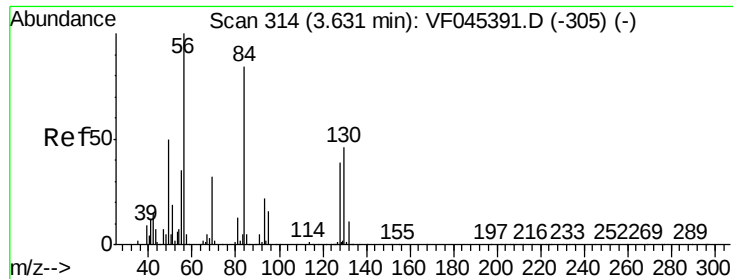
Tgt Ion: 83 Resp: 72924

Ion Ratio Lower Upper

83 100

85 61.5 51.6 77.4

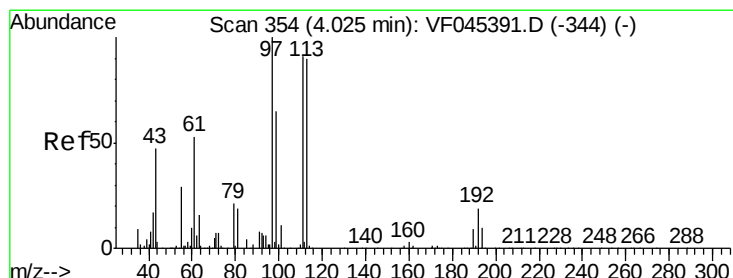
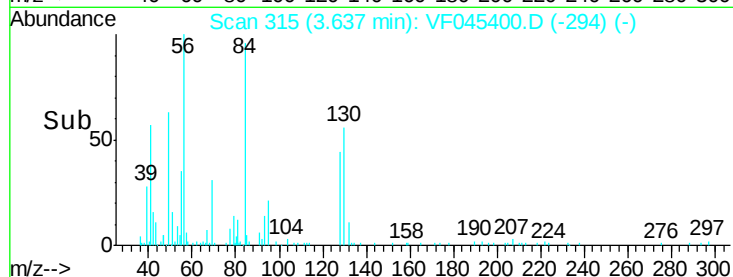
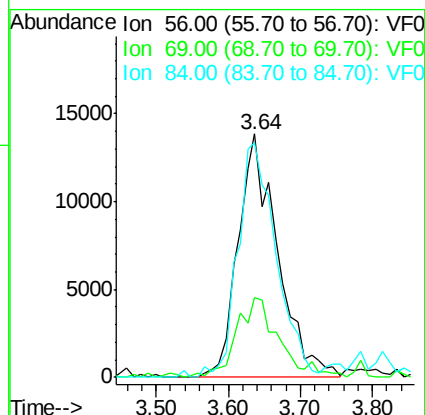
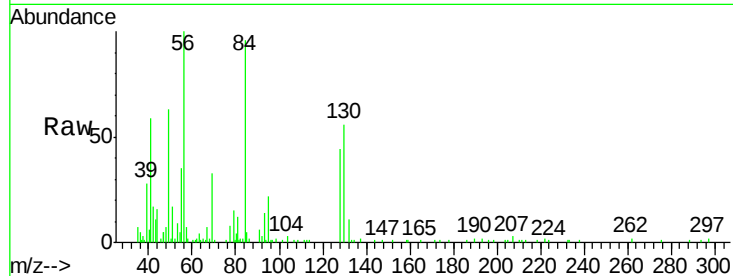




#30
Cyclohexane
Concen: 3.93 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

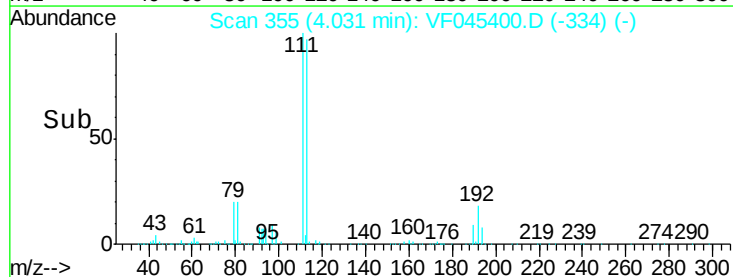
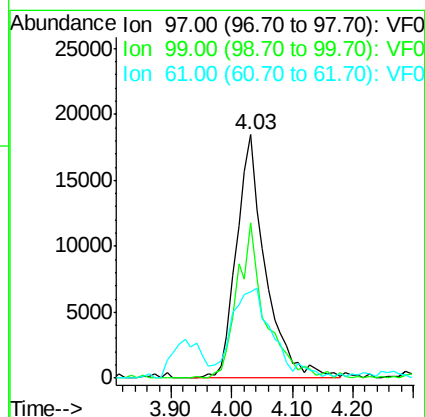
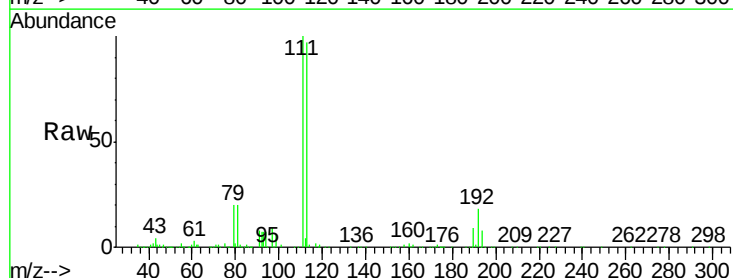
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

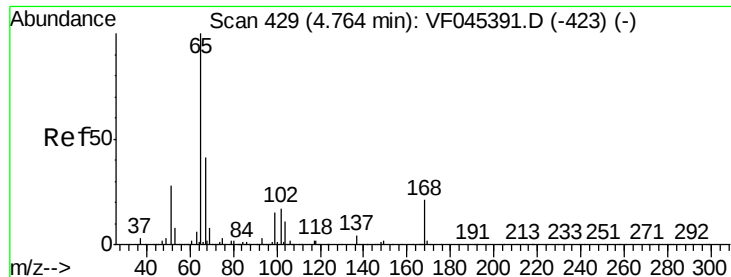
Tgt Ion: 56 Resp: 52775
Ion Ratio Lower Upper
56 100
69 32.7 26.1 39.1
84 96.1 72.2 108.4



#31
1,1,1-Trichloroethane
Concen: 3.54 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion: 97 Resp: 61344
Ion Ratio Lower Upper
97 100
99 63.6 51.1 76.7
61 35.3 37.8 56.6#





#32

1,2-Dichloroethane-d4

Concen: 48.44 ug/l

RT: 4.78 min Scan# 431

Delta R.T. 0.02 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

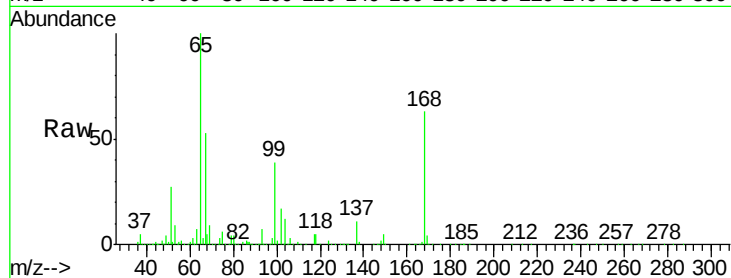
LOD-SOIL2015-01

Tgt Ion: 65 Resp: 563360

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

200000

150000

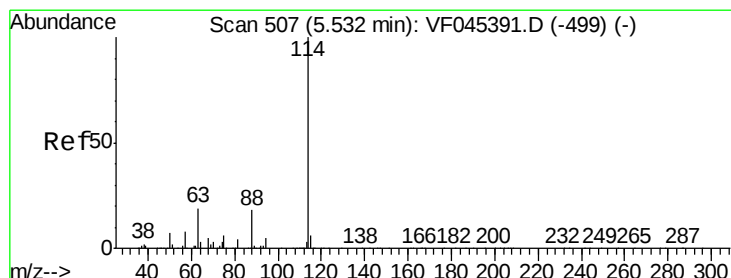
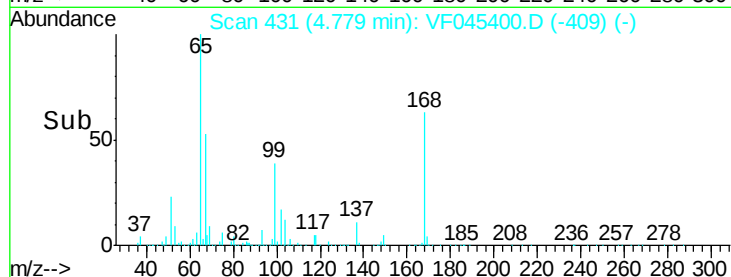
100000

50000

0

4.60 4.70 4.80 4.90

Time-->



#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.54 min Scan# 508

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

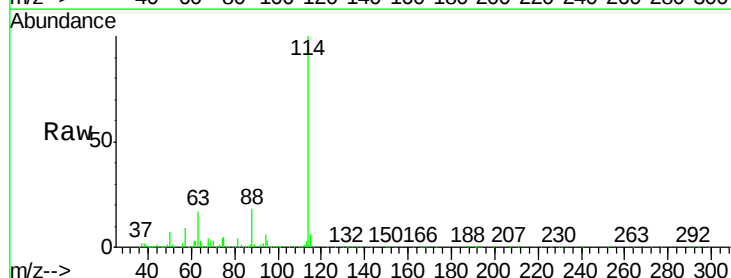
Tgt Ion: 114 Resp: 1631714

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.2

88 17.9 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

800000

600000

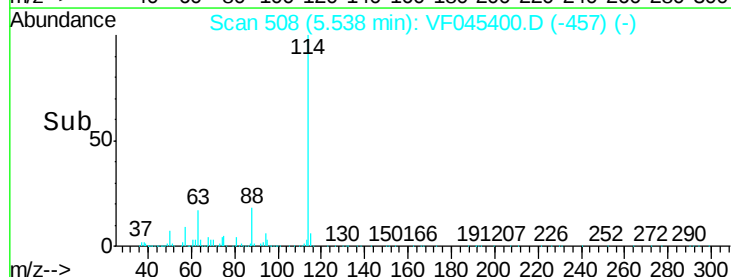
400000

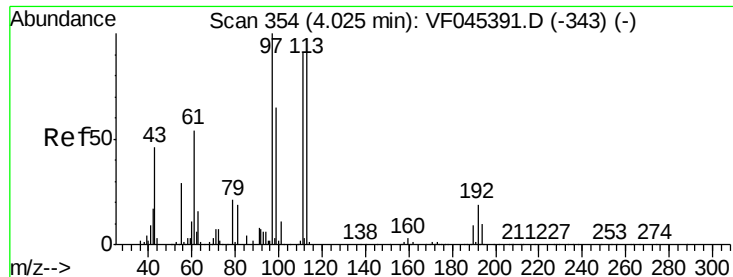
200000

0

5.40 5.50 5.60 5.70

Time-->

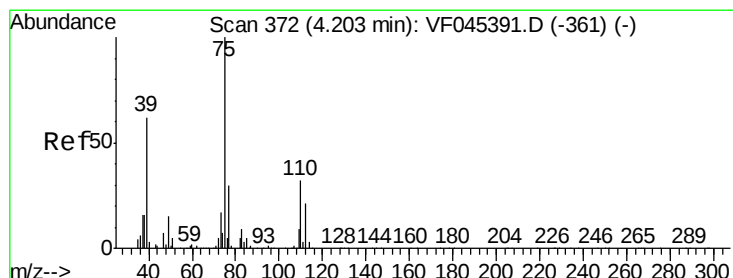
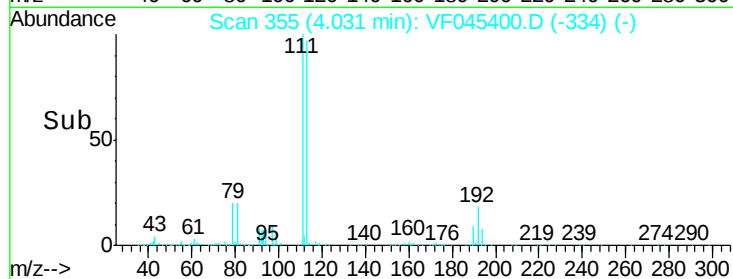
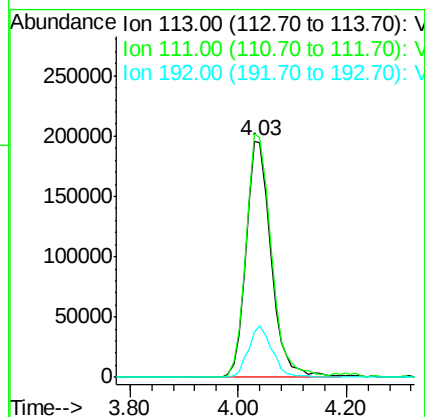
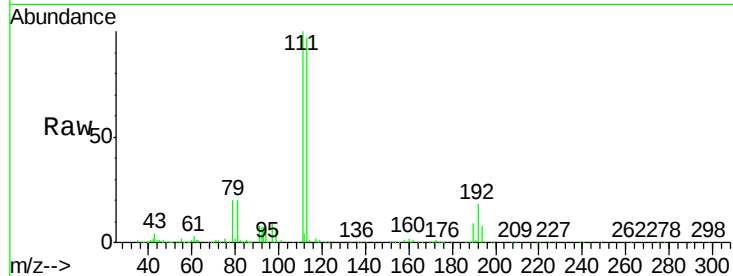




#34
 Dibromofluoromethane
 Concen: 49.80 ug/l
 RT: 4.03 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

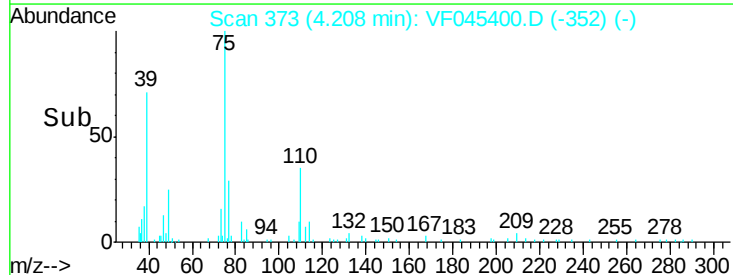
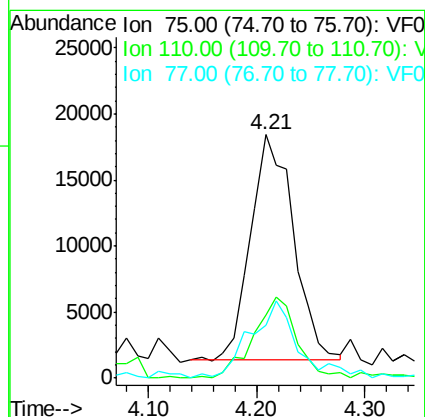
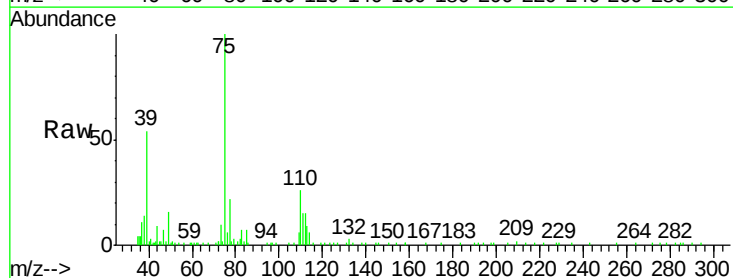
Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

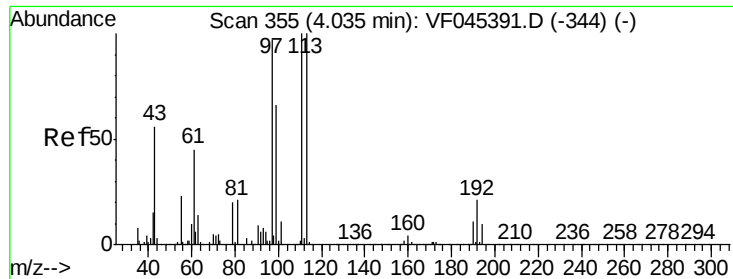
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	75.5	113.3
192	19.0	15.6	23.4



#35
 1,1-Dichloropropene
 Concen: 3.04 ug/l
 RT: 4.21 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	25.7	15.9	47.6
77	21.6	24.2	36.4

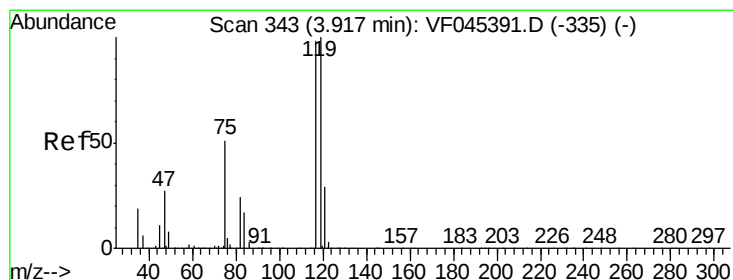
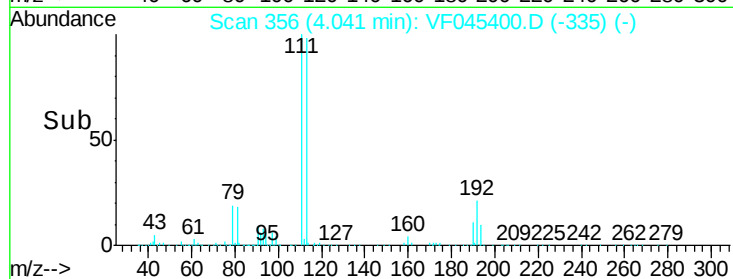
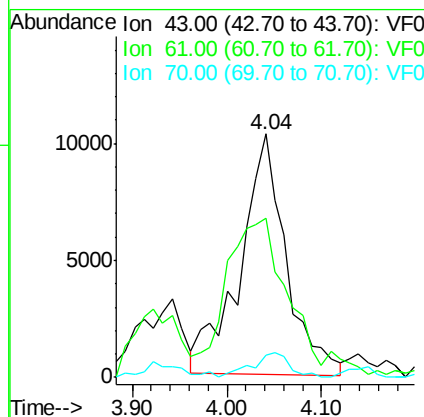
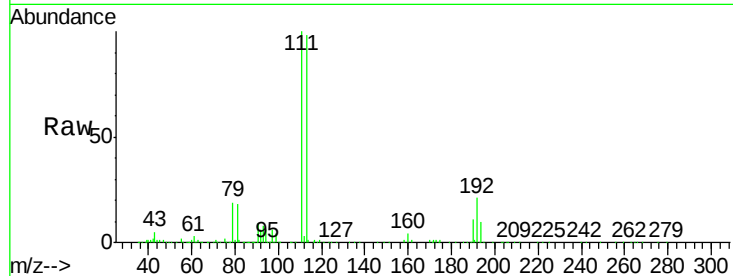




#36
Ethyl Acetate
Concen: 4.44 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

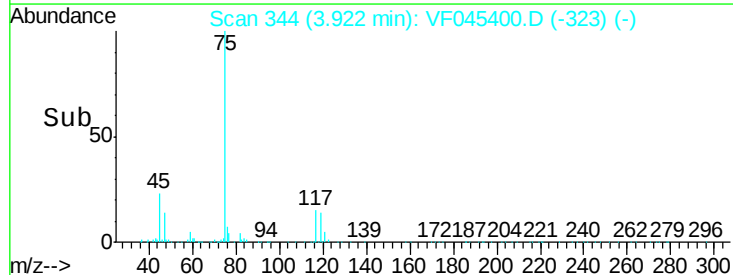
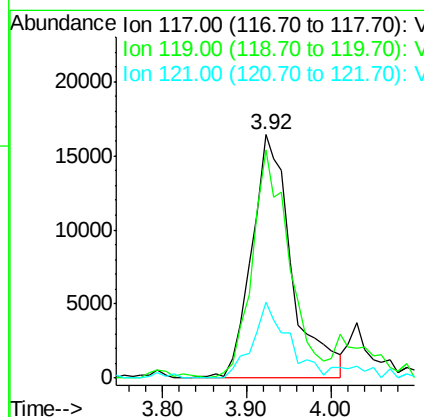
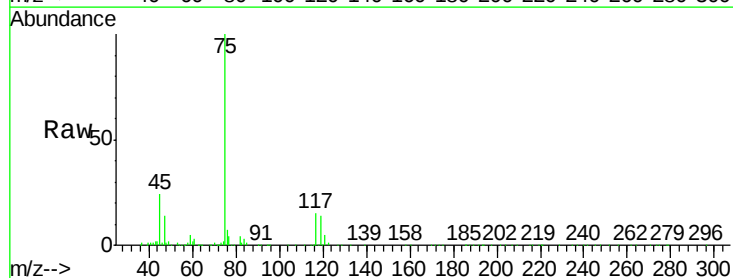
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

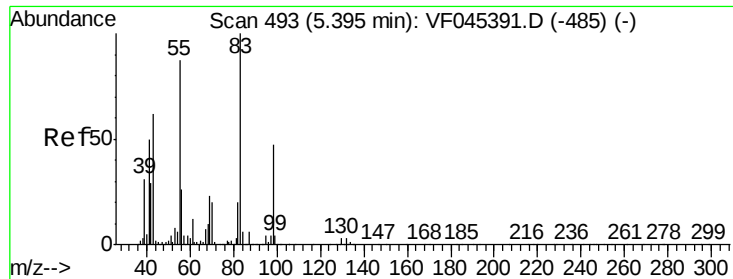
Tgt Ion: 43 Resp: 34813
Ion Ratio Lower Upper
43 100
61 65.4 49.4 74.0
70 9.3 10.8 16.2#



#37
Carbon Tetrachloride
Concen: 3.35 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion: 117 Resp: 54666
Ion Ratio Lower Upper
117 100
119 93.6 77.8 116.8
121 31.2 25.4 38.0

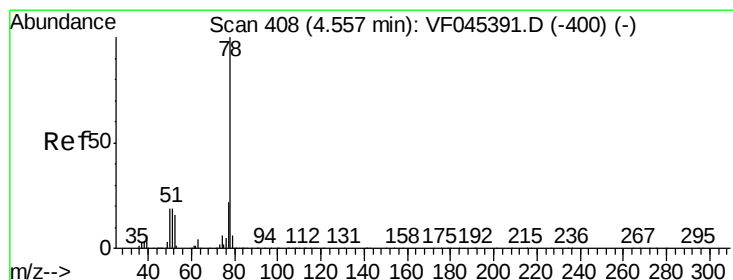
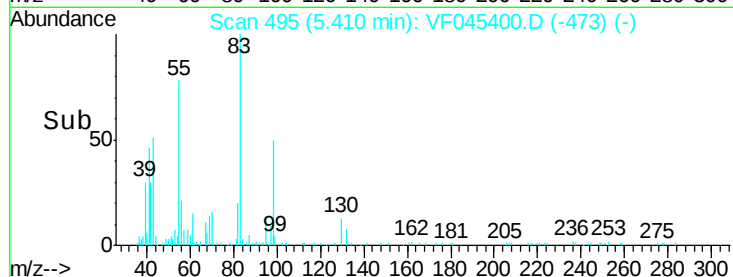
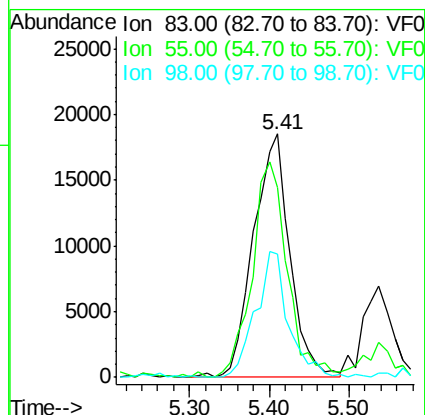
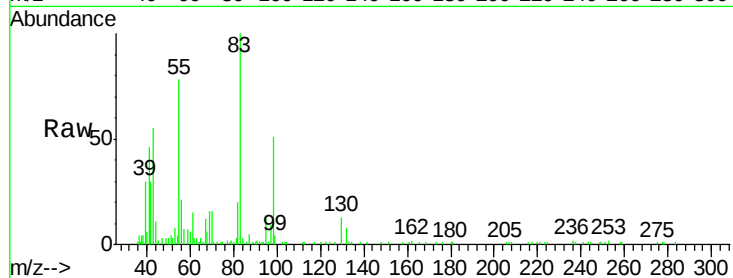




#38
Methylcyclohexane
Concen: 3.51 ug/l
RT: 5.41 min Scan# 495
Delta R.T. 0.02 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

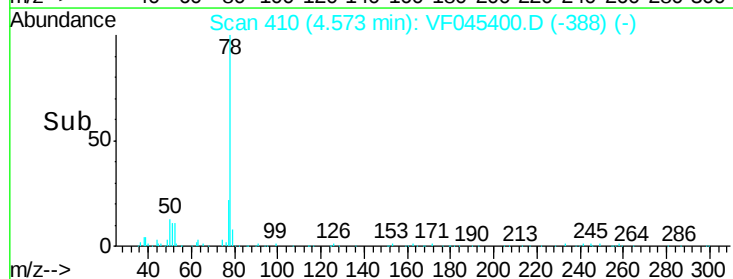
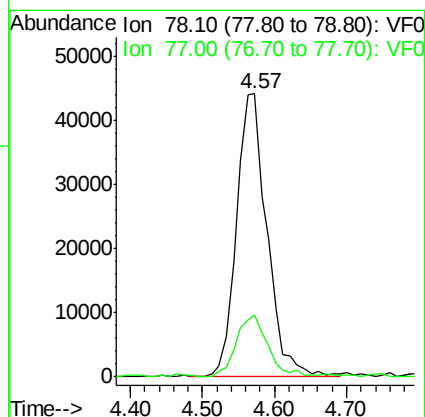
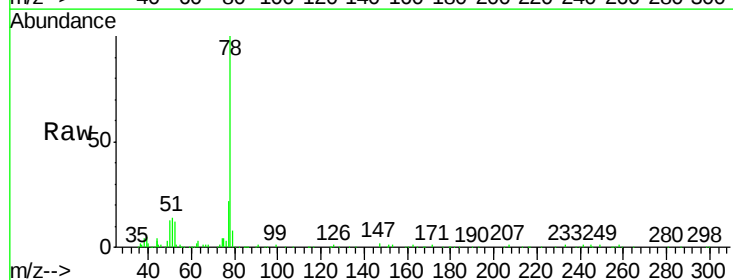
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

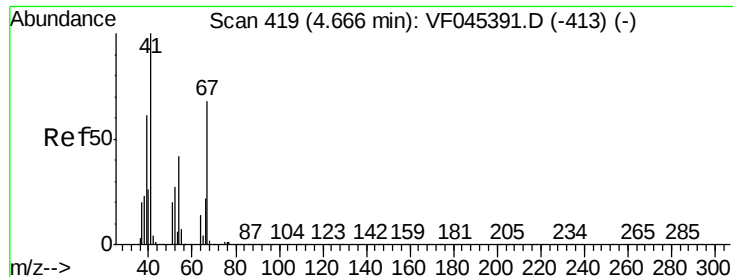
Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.2	60.5	90.7
98	50.7	38.1	57.1



#39
Benzene
Concen: 3.61 ug/l
RT: 4.57 min Scan# 410
Delta R.T. 0.02 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.6	28.0

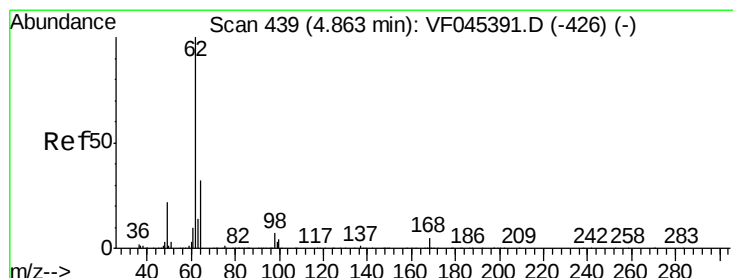
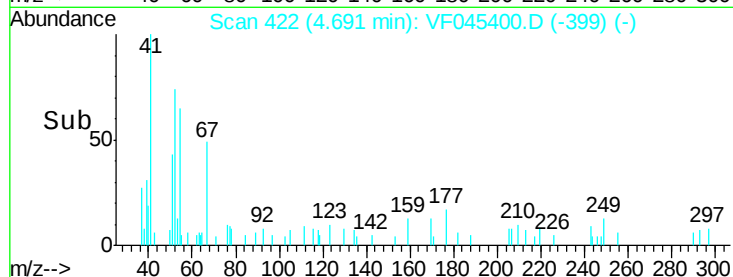
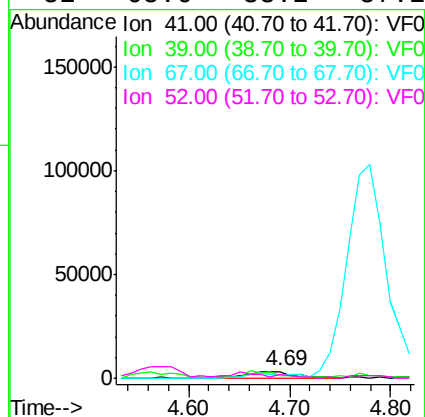
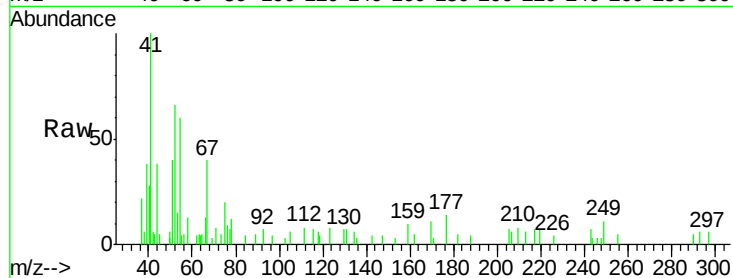




#40
Methacrylonitrile
Concen: 3.04 ug/l
RT: 4.69 min Scan# 422
Delta R.T. 0.03 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

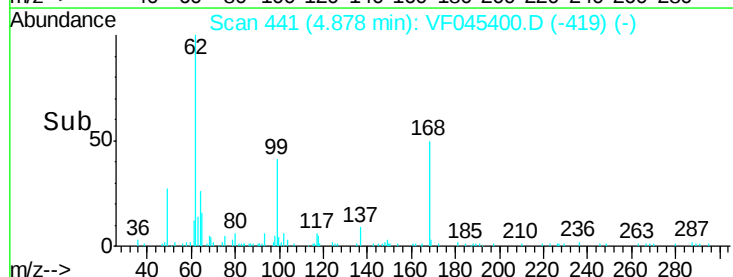
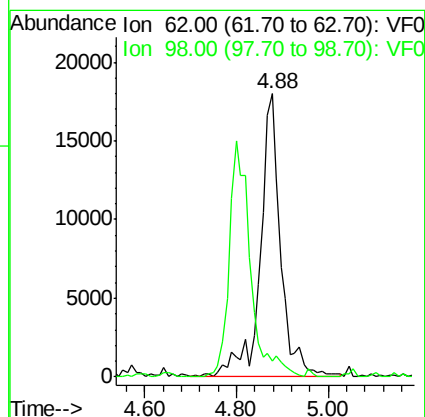
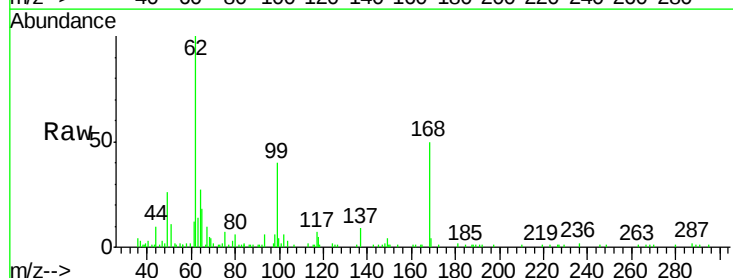
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

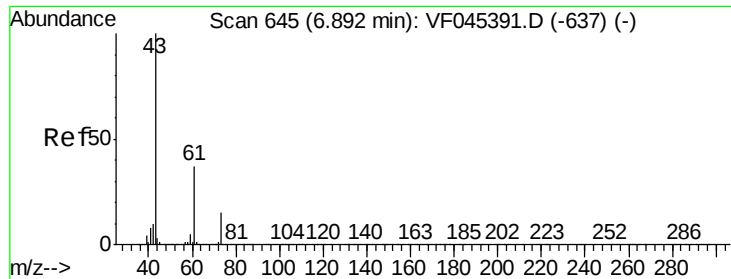
Tgt Ion: 41 Resp: 11260
Ion Ratio Lower Upper
41 100
39 37.7 44.9 67.3#
67 40.3 49.0 73.4#
52 65.6 38.2 57.2#



#41
1,2-Dichloroethane
Concen: 3.84 ug/l
RT: 4.88 min Scan# 441
Delta R.T. 0.02 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion: 62 Resp: 56104
Ion Ratio Lower Upper
62 100
98 5.8 0.0 17.0





#42

Isopropyl Acetate

Concen: 3.28 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

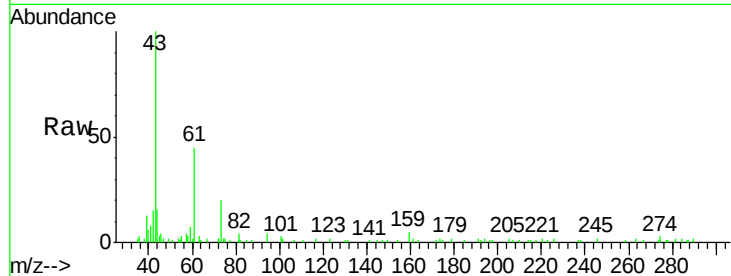
Tgt Ion: 43 Resp: 33839

Ion Ratio Lower Upper

43 100

61 45.1 29.8 44.6#

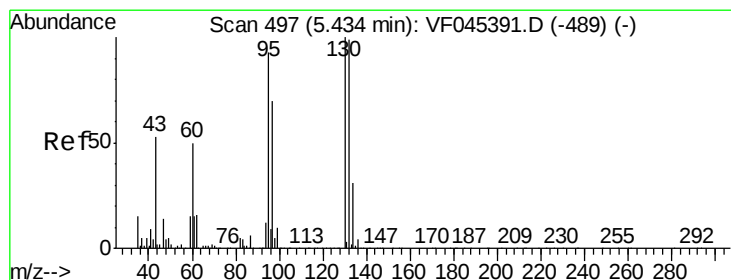
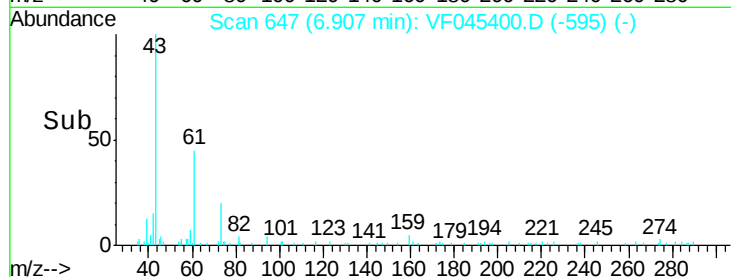
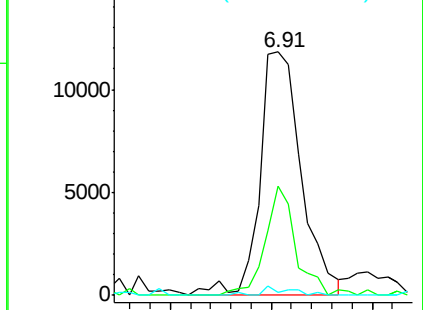
87 1.4 0.2 0.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#43

Trichloroethene

Concen: 3.48 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VF045400.D

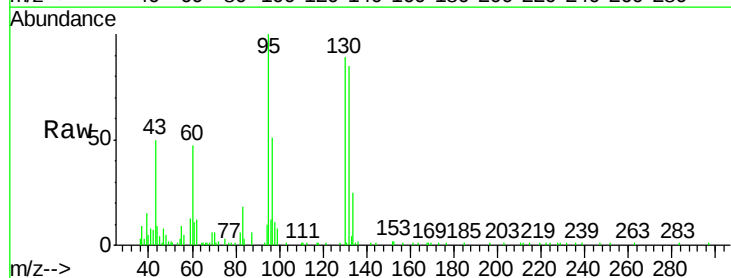
Acq: 16 Sep 2015 20:35

Tgt Ion: 130 Resp: 42981

Ion Ratio Lower Upper

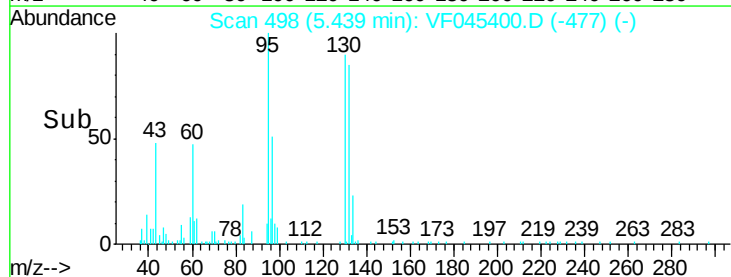
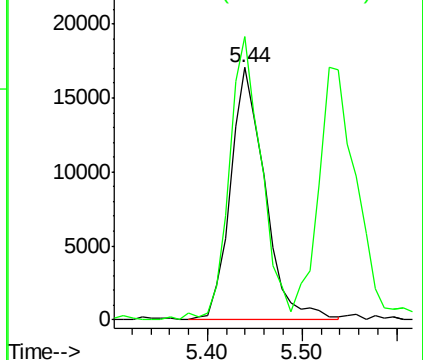
130 100

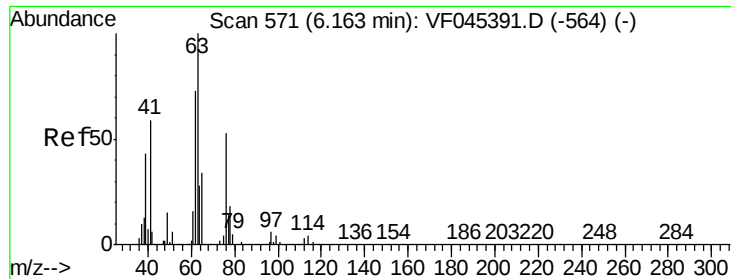
95 112.3 0.0 192.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#44

1,2-Dichloropropane

Concen: 3.51 ug/l

RT: 6.17 min Scan# 572

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

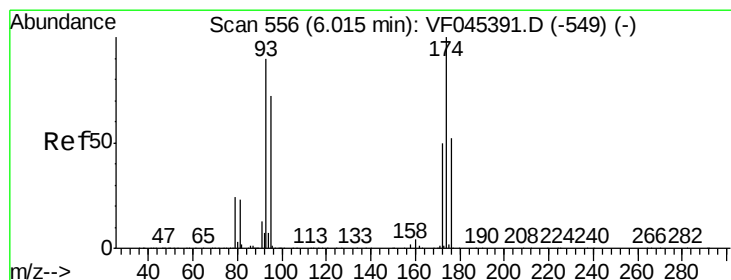
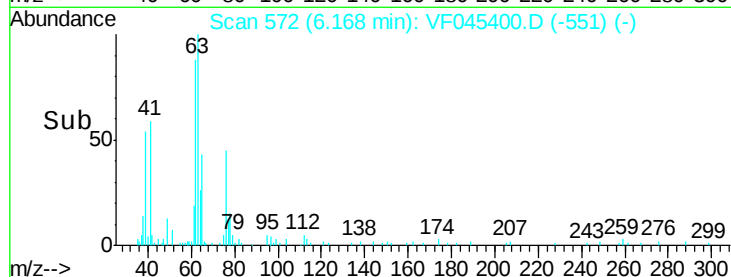
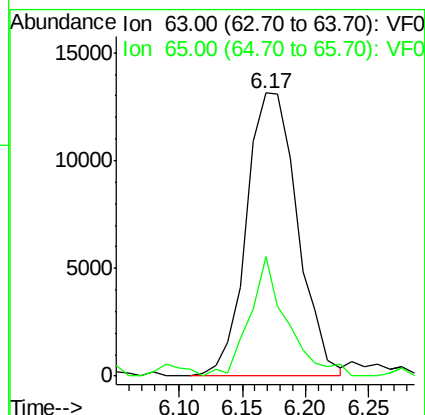
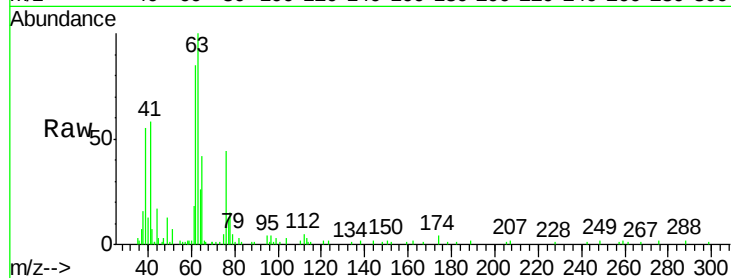
LOD-SOIL2015-01

Tgt Ion: 63 Resp: 37012

Ion Ratio Lower Upper

63 100

65 42.1 25.6 38.4#



#45

Dibromomethane

Concen: 3.78 ug/l

RT: 6.02 min Scan# 557

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

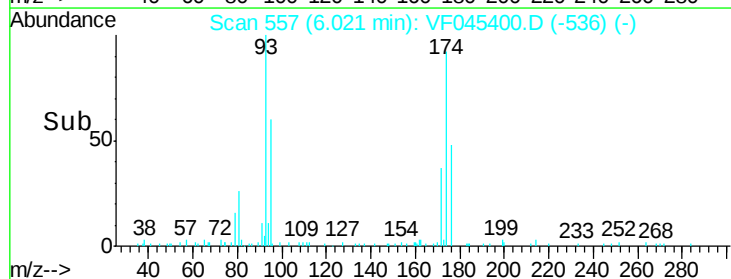
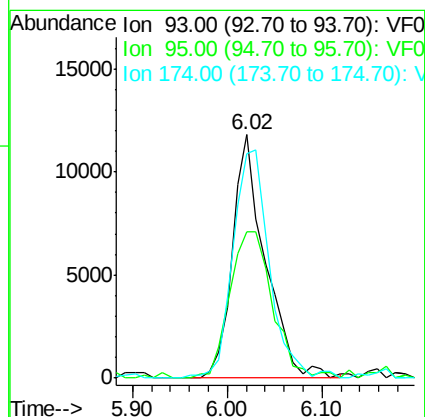
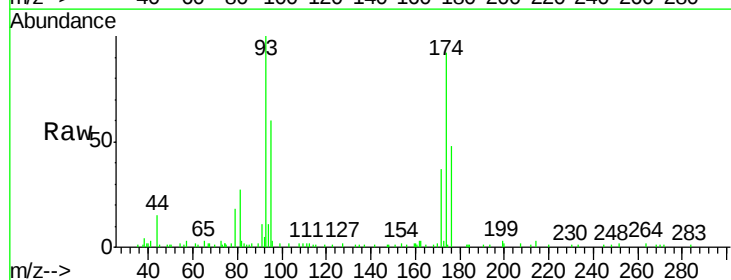
Tgt Ion: 93 Resp: 28379

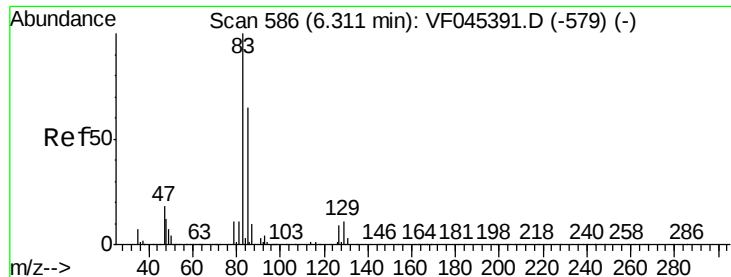
Ion Ratio Lower Upper

93 100

95 60.2 69.8 104.6#

174 92.9 90.5 135.7

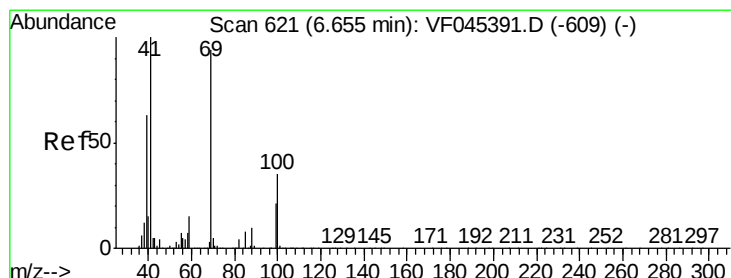
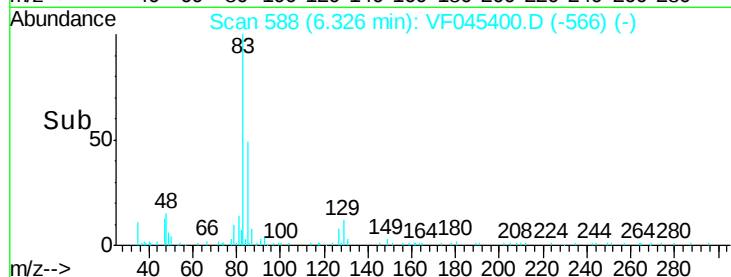
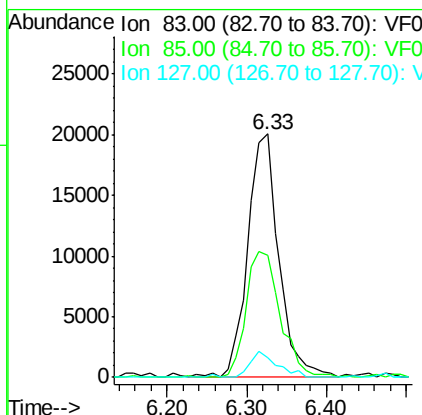
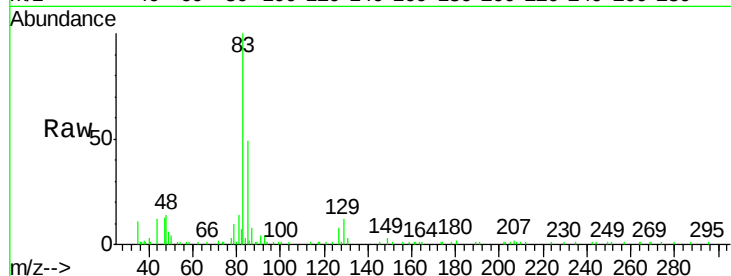




#46
Bromodichloromethane
Concen: 3.21 ug/l
RT: 6.33 min Scan# 588
Delta R.T. 0.02 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

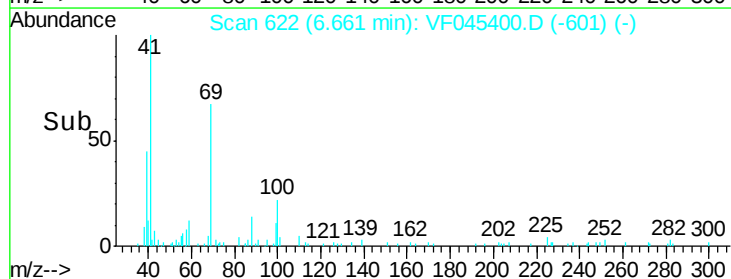
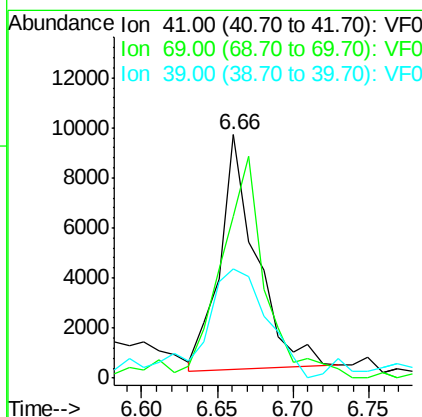
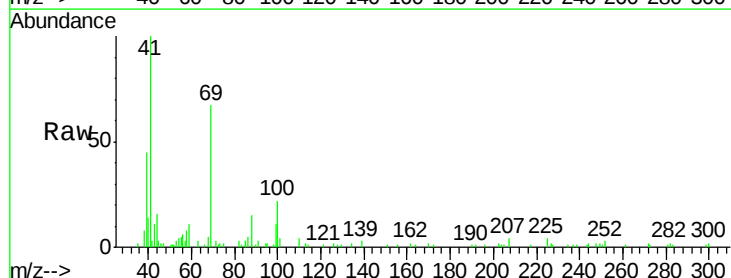
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

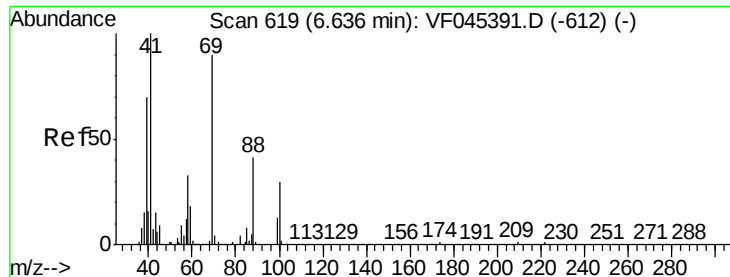
Tgt Ion: 83 Resp: 53873
Ion Ratio Lower Upper
83 100
85 50.2 50.6 75.8#
127 7.9 7.7 11.5



#47
Methyl methacrylate
Concen: 2.53 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion: 41 Resp: 15846
Ion Ratio Lower Upper
41 100
69 66.6 63.3 94.9
39 44.7 48.9 73.3#





#48

1,4-Dioxane

Concen: 65.77 ug/l

RT: 6.65 min Scan# 621

Delta R.T. 0.02 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

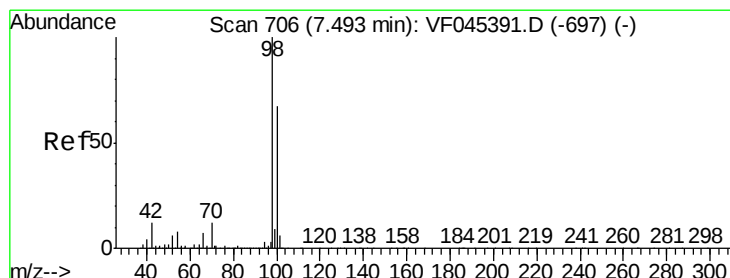
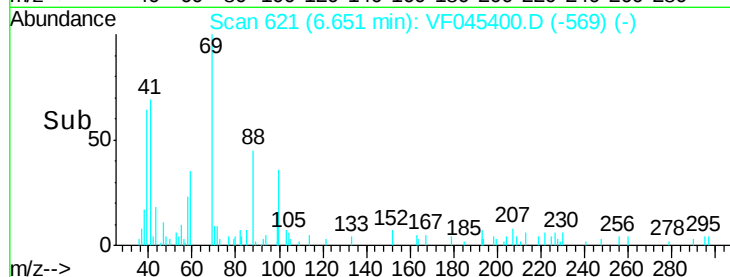
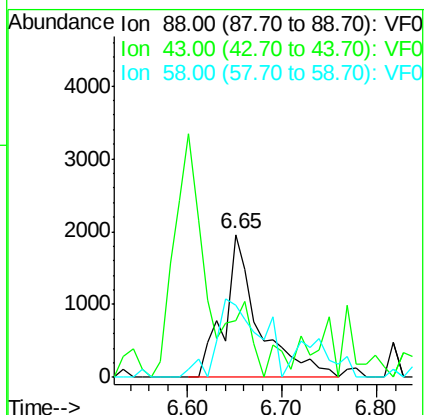
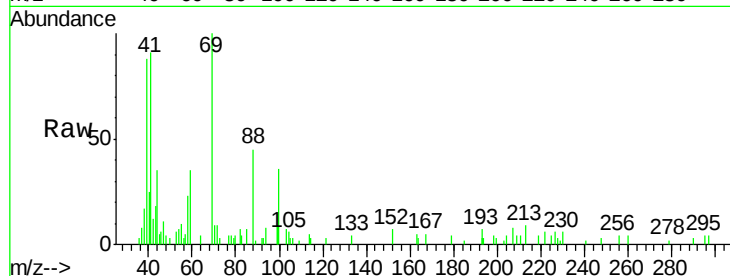
Tgt Ion: 88 Resp: 4935

Ion Ratio Lower Upper

88 100

43 39.8 34.5 51.7

58 50.4 46.5 69.7



#49

Toluene-d8

Concen: 50.48 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.01 min

Lab File: VF045400.D

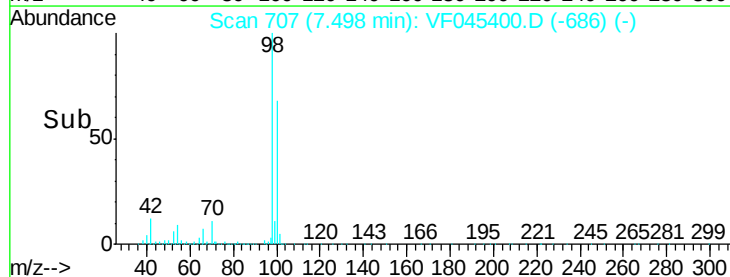
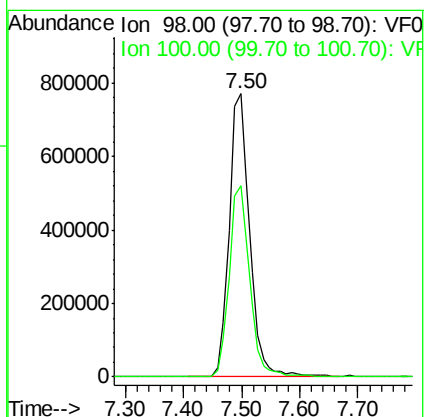
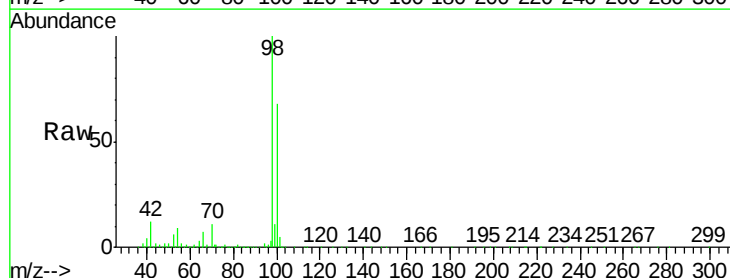
Acq: 16 Sep 2015 20:35

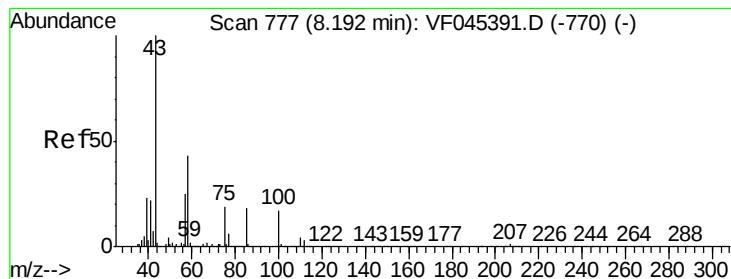
Tgt Ion: 98 Resp: 1879824

Ion Ratio Lower Upper

98 100

100 67.7 54.4 81.6





#50

4-Methyl-2-Pentanone

Concen: 17.11 ug/l

RT: 8.20 min Scan# 778

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

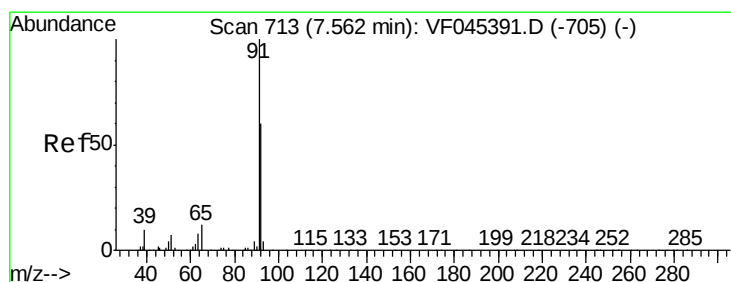
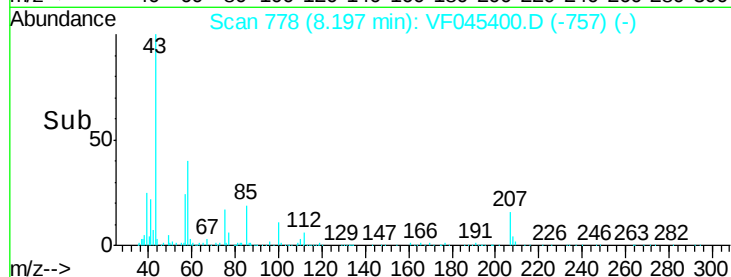
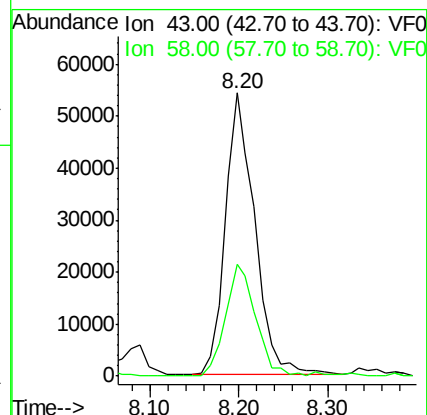
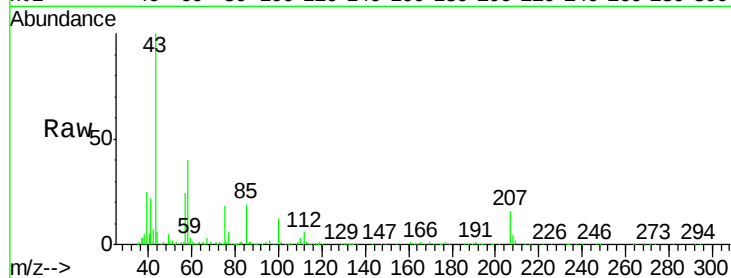
LOD-SOIL2015-01

Tgt Ion: 43 Resp: 125588

Ion Ratio Lower Upper

43 100

58 39.6 33.6 50.4



#51

Toluene

Concen: 3.62 ug/l

RT: 7.57 min Scan# 714

Delta R.T. 0.01 min

Lab File: VF045400.D

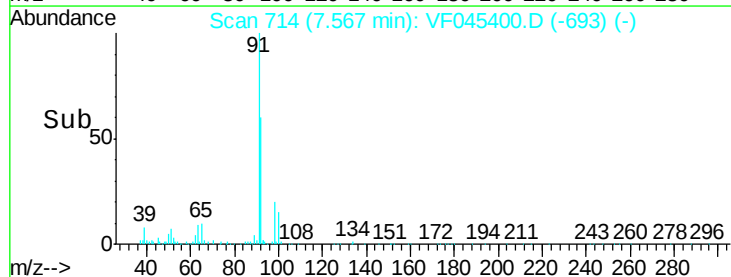
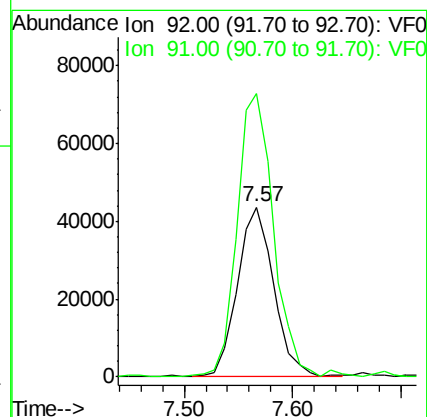
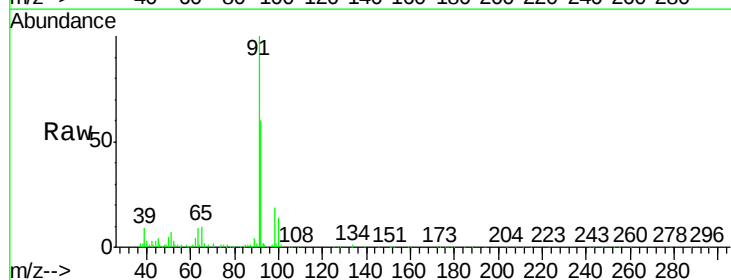
Acq: 16 Sep 2015 20:35

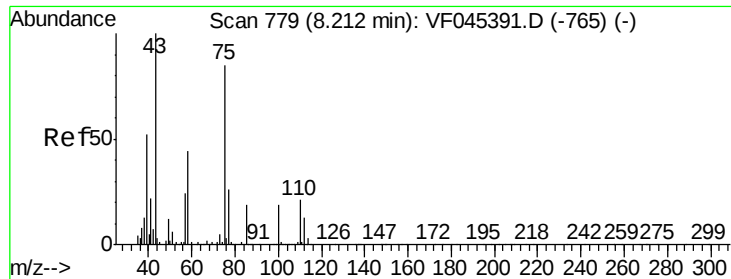
Tgt Ion: 92 Resp: 100889

Ion Ratio Lower Upper

92 100

91 166.6 133.4 200.0





#52

t-1,3-Dichloropropene

Concen: 3.26 ug/l

RT: 8.21 min Scan# 779

Delta R.T. -0.00 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

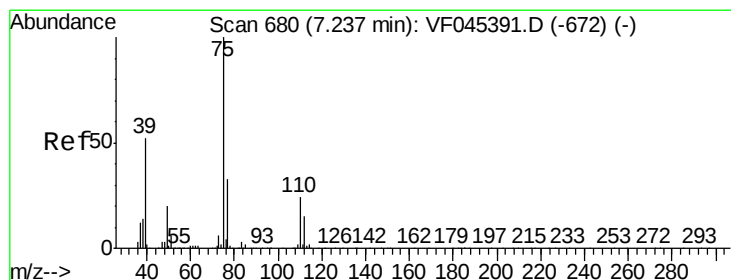
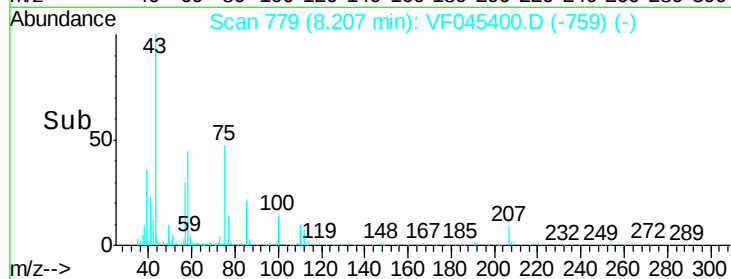
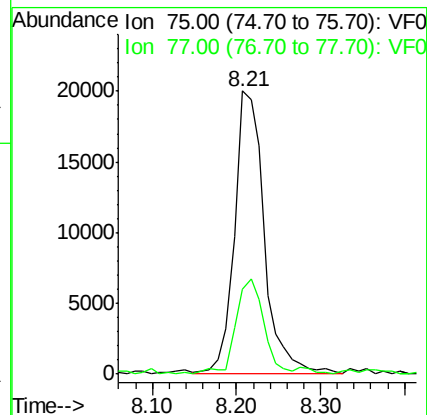
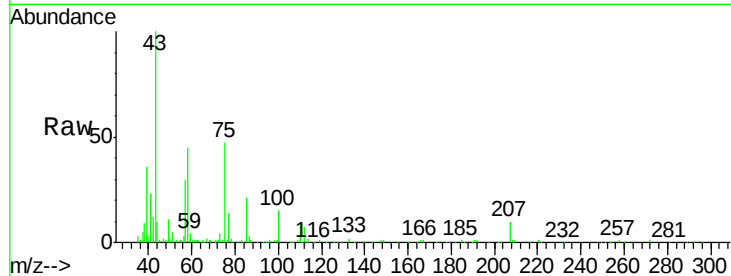
LOD-SOIL2015-01

Tgt Ion: 75 Resp: 49270

Ion Ratio Lower Upper

75 100

77 29.8 28.1 42.1



#53

cis-1,3-Dichloropropene

Concen: 3.42 ug/l

RT: 7.24 min Scan# 681

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

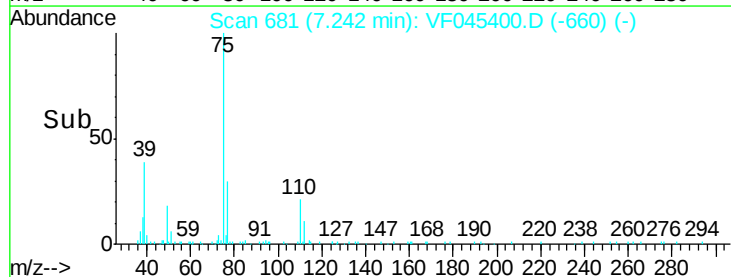
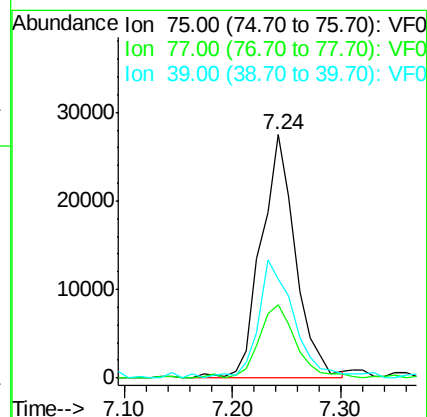
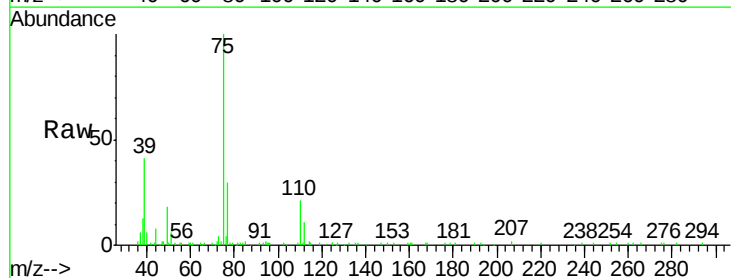
Tgt Ion: 75 Resp: 61014

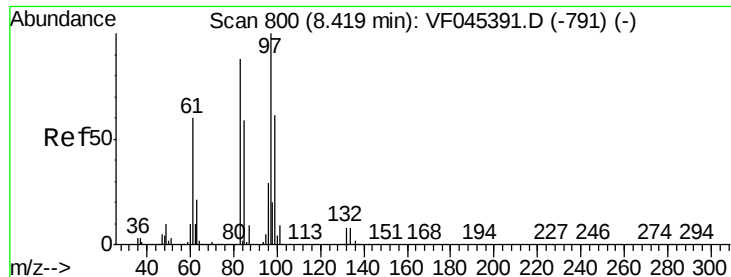
Ion Ratio Lower Upper

75 100

77 30.4 25.5 38.3

39 40.8 41.6 62.4#





#54

1,1,2-Trichloroethane

Concen: 3.55 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 97 Resp: 33515

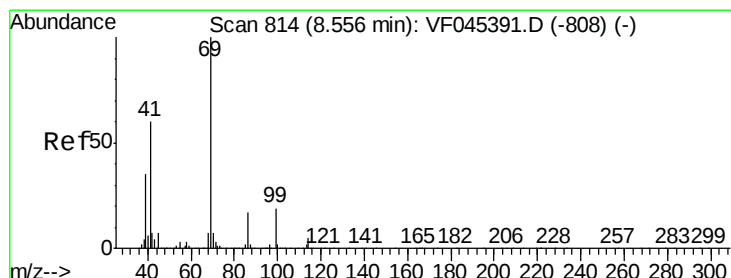
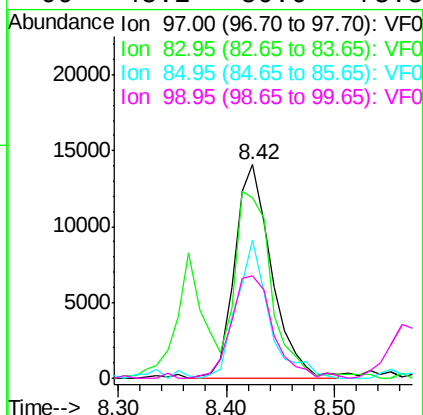
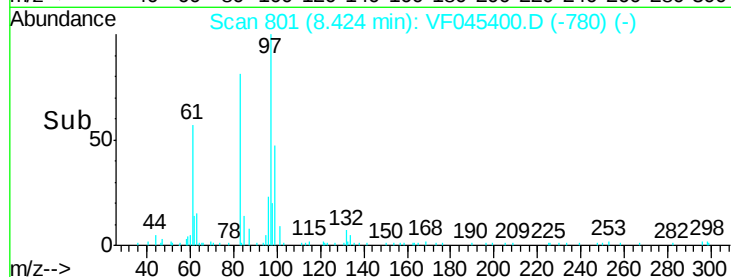
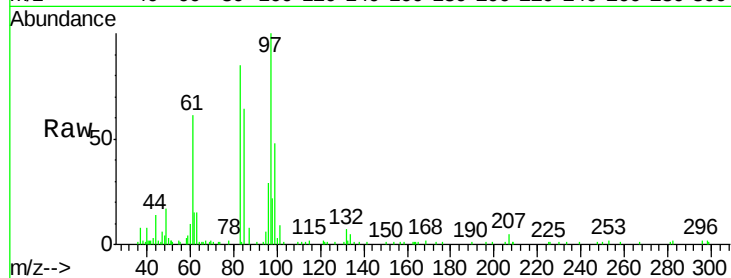
Ion Ratio Lower Upper

97 100

83 84.7 70.1 105.1

85 64.5 47.4 71.2

99 48.2 50.6 75.8#



#55

Ethyl methacrylate

Concen: 3.04 ug/l

RT: 8.56 min Scan# 815

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

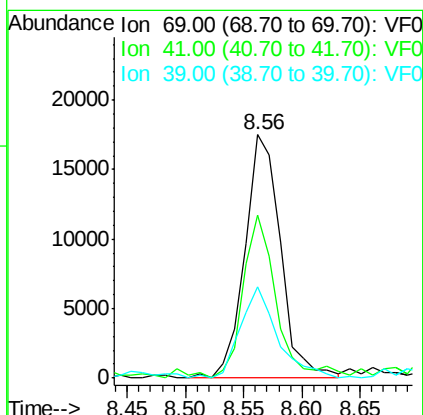
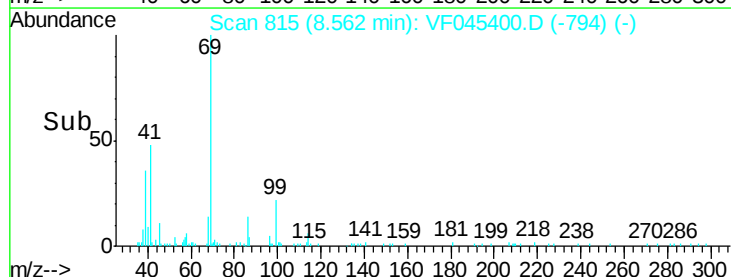
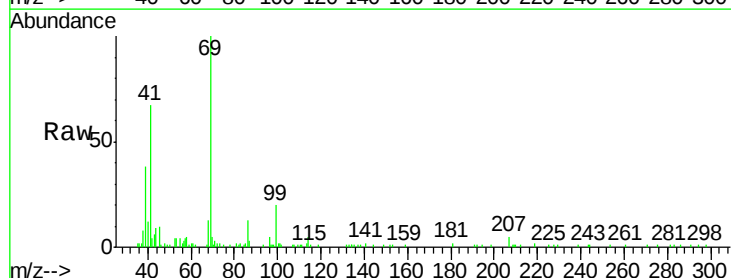
Tgt Ion: 69 Resp: 37315

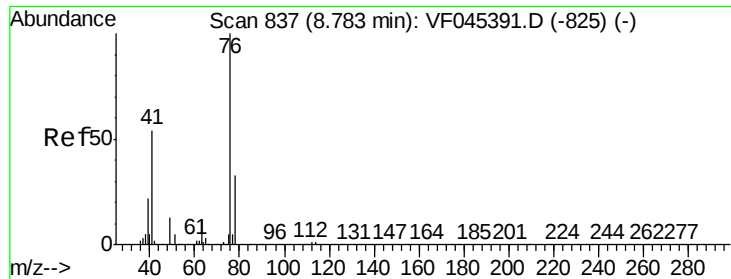
Ion Ratio Lower Upper

69 100

41 66.7 51.0 76.4

39 37.6 29.1 43.7





#56

1,3-Dichloropropane

Concen: 3.58 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

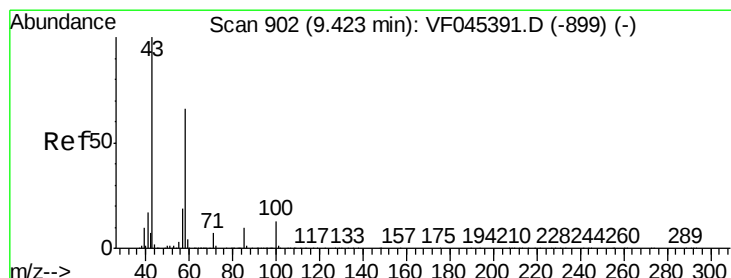
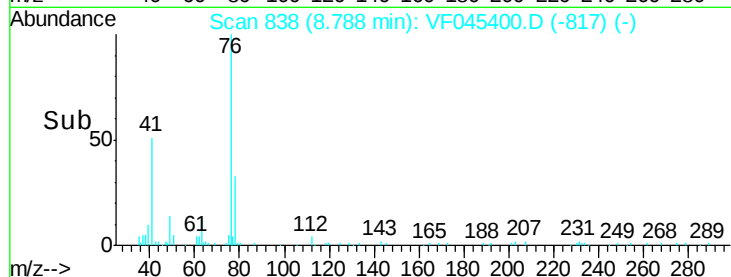
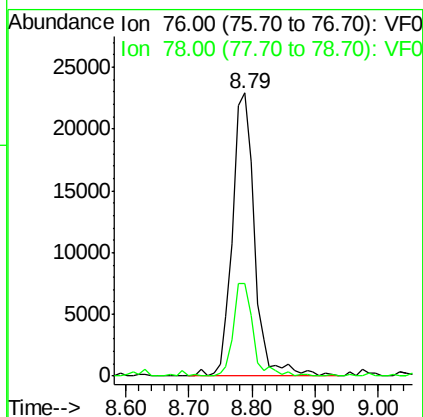
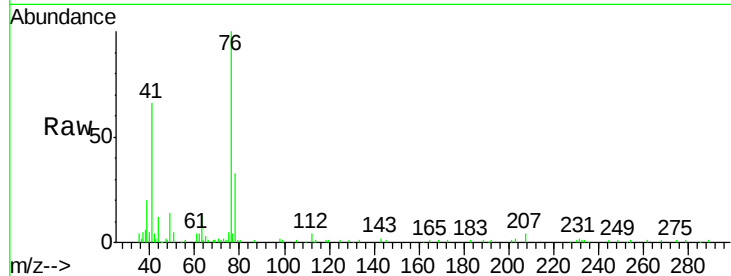
LOD-SOIL2015-01

Tgt Ion: 76 Resp: 55139

Ion Ratio Lower Upper

76 100

78 32.9 26.1 39.1



#58

2-Hexanone

Concen: 16.12 ug/l

RT: 9.43 min Scan# 903

Delta R.T. 0.01 min

Lab File: VF045400.D

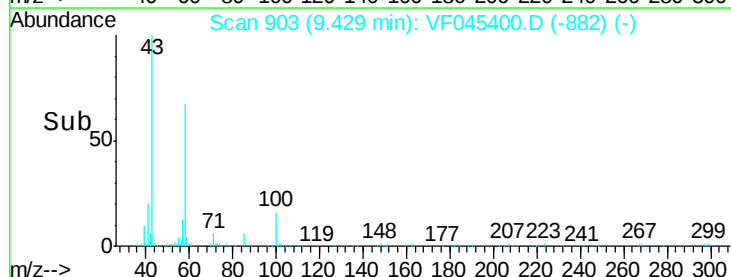
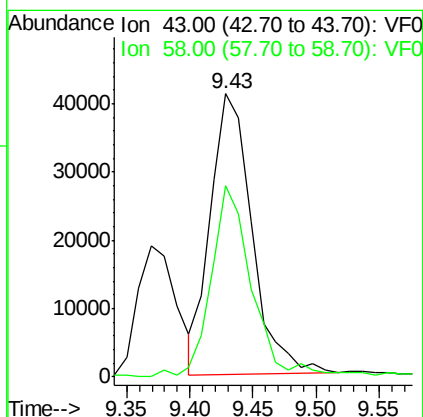
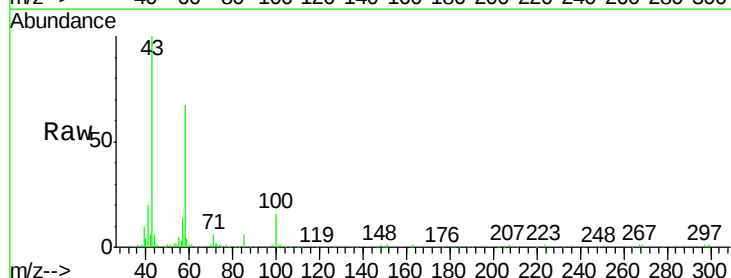
Acq: 16 Sep 2015 20:35

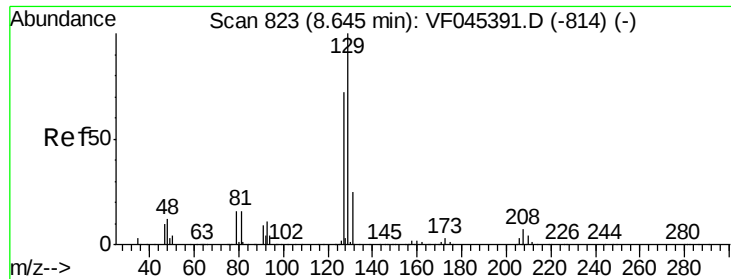
Tgt Ion: 43 Resp: 94138

Ion Ratio Lower Upper

43 100

58 67.4 28.8 86.5





#59

Dibromochloromethane

Concen: 3.05 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

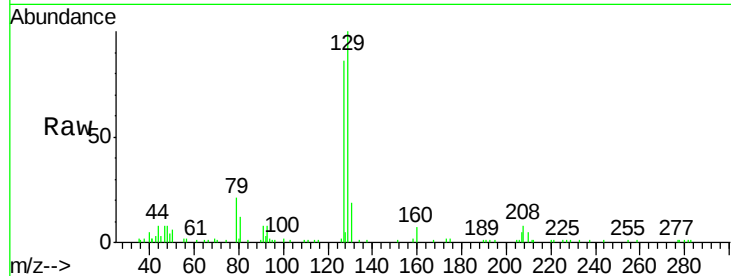
LOD-SOIL2015-01

Tgt Ion:129 Resp: 40705

Ion Ratio Lower Upper

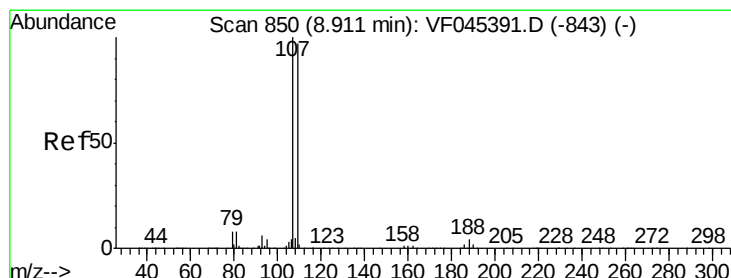
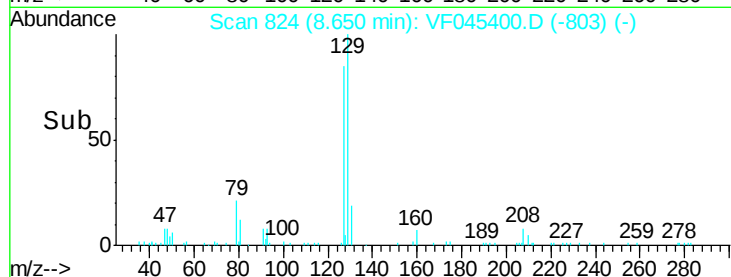
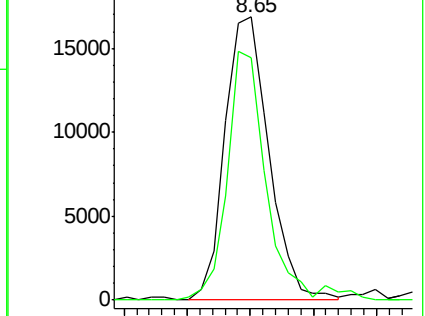
129 100

127 85.7 38.2 114.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#60

1,2-Dibromoethane

Concen: 2.85 ug/l

RT: 8.93 min Scan# 852

Delta R.T. 0.02 min

Lab File: VF045400.D

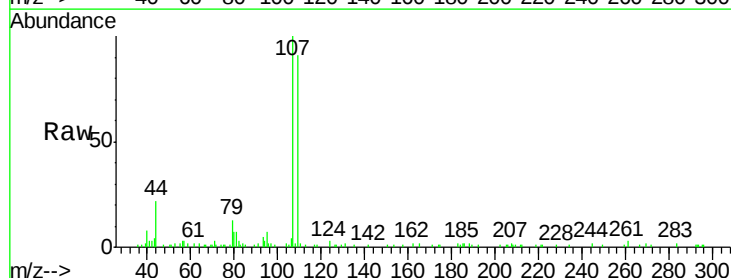
Acq: 16 Sep 2015 20:35

Tgt Ion:107 Resp: 30517

Ion Ratio Lower Upper

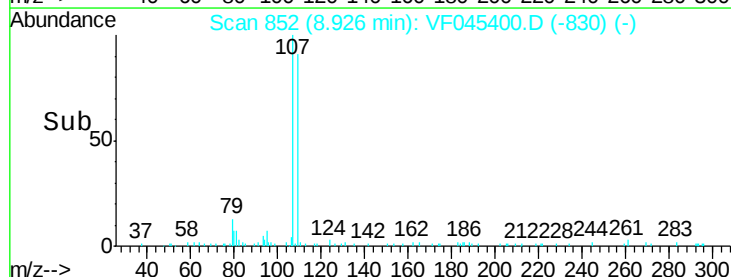
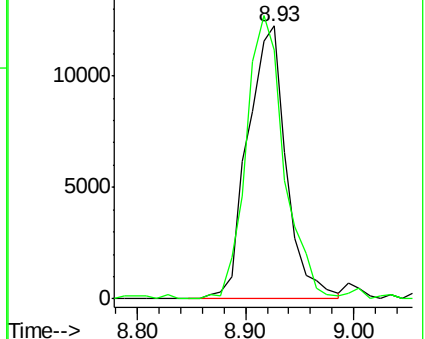
107 100

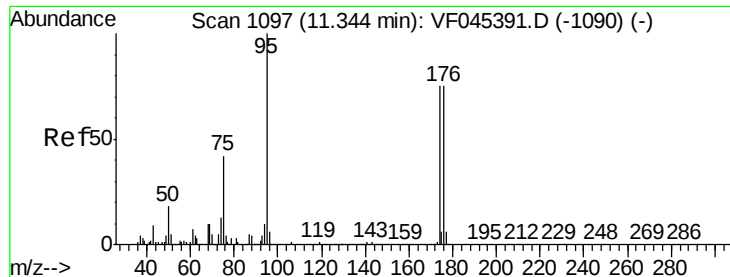
109 91.1 79.4 119.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#61

4-Bromofluorobenzene

Concen: 48.50 ug/l

RT: 11.35 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

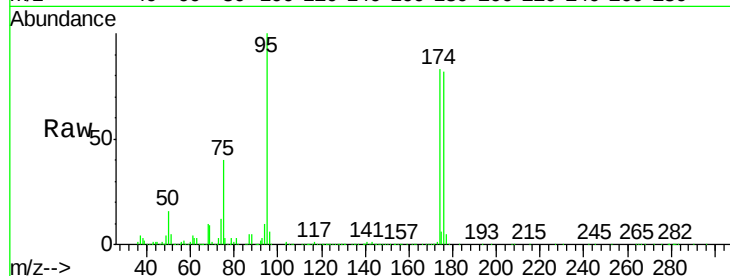
Tgt Ion: 95 Resp: 868127

Ion Ratio Lower Upper

95 100

174 82.9 0.0 177.8

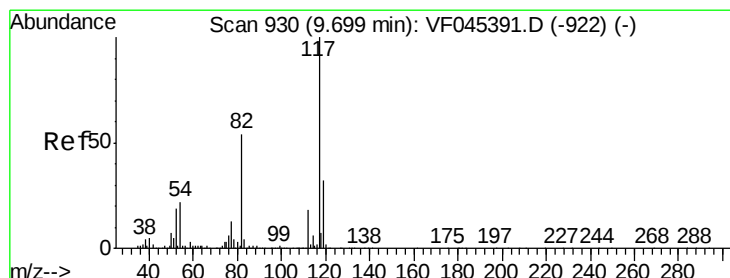
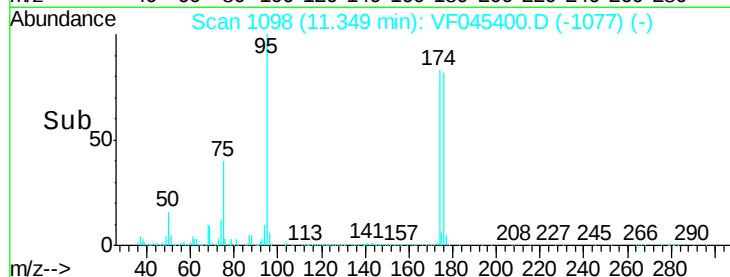
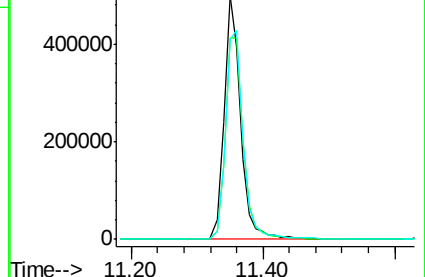
176 82.4 0.0 176.2



Abundance Ion 95.00 (94.70 to 95.70): VF045391.D (-1090) (-)

Ion 174.00 (173.70 to 174.70): VF045391.D (-1090) (-)

Ion 176.00 (175.70 to 176.70): VF045391.D (-1090) (-)



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.70 min Scan# 931

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

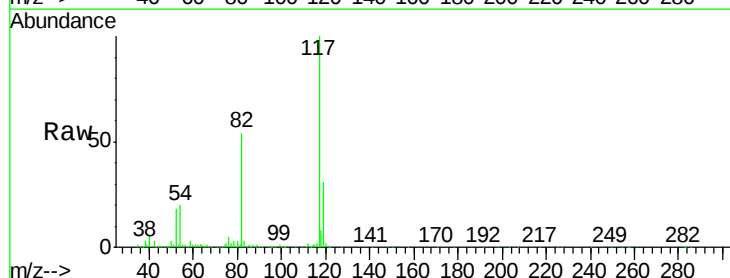
Tgt Ion: 117 Resp: 1579460

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.6

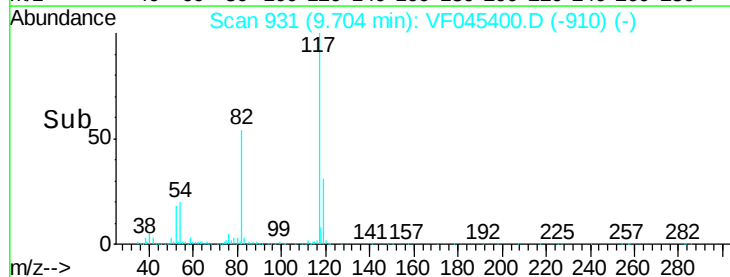
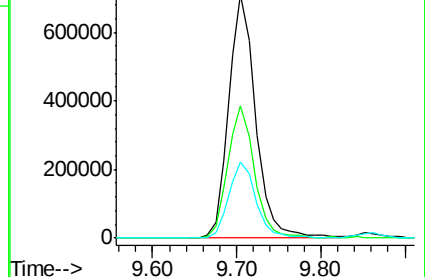
119 31.4 26.2 39.4

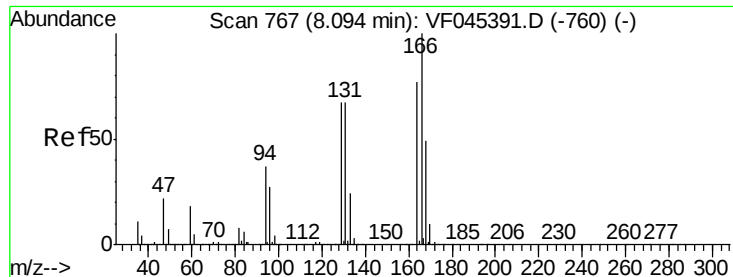


Abundance Ion 117.00 (116.70 to 117.70): VF045391.D (-922) (-)

Ion 82.00 (81.70 to 82.70): VF045391.D (-922) (-)

Ion 119.00 (118.70 to 119.70): VF045391.D (-922) (-)





#63

Tetrachloroethene

Concen: 3.45 ug/l

RT: 8.10 min Scan# 768

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:164 Resp: 43339

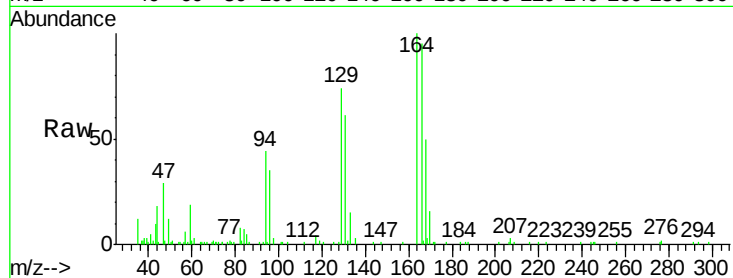
Ion Ratio Lower Upper

164 100

166 94.6 106.0 159.0#

129 73.7 69.8 104.6

131 61.0 68.2 102.4#

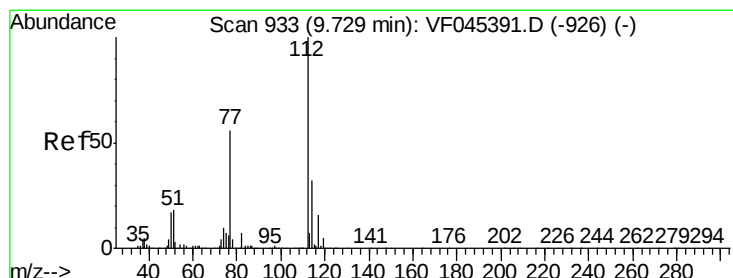
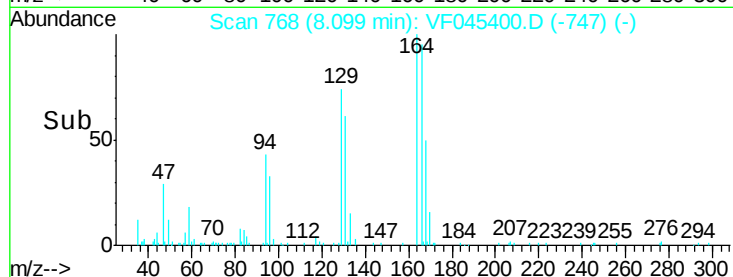
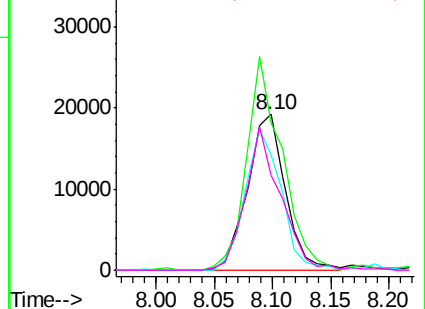


Abundance Ion 163.85 (163.55 to 164.55): V

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: 3.61 ug/l

RT: 9.72 min Scan# 933

Delta R.T. -0.00 min

Lab File: VF045400.D

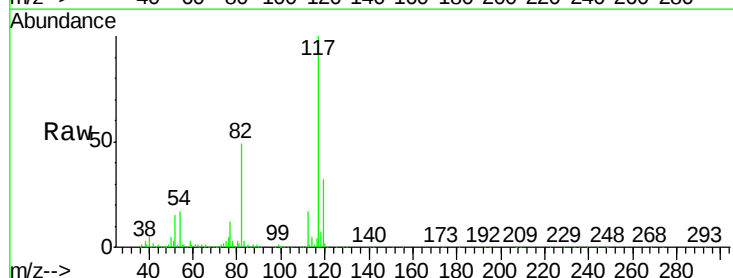
Acq: 16 Sep 2015 20:35

Tgt Ion:112 Resp: 119527

Ion Ratio Lower Upper

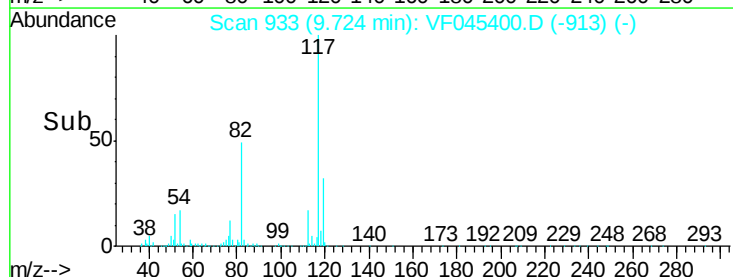
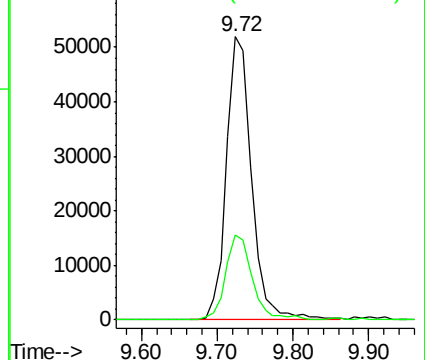
112 100

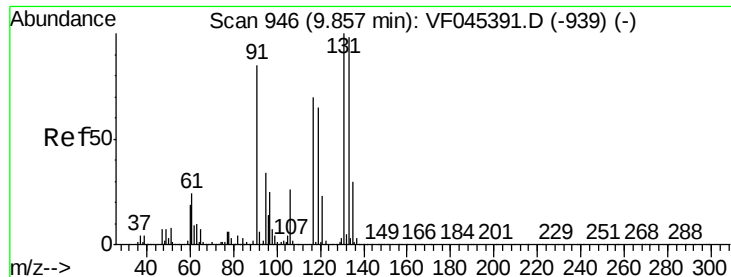
114 29.9 25.6 38.4



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: 3.16 ug/l

RT: 9.85 min Scan# 946

Delta R.T. -0.00 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

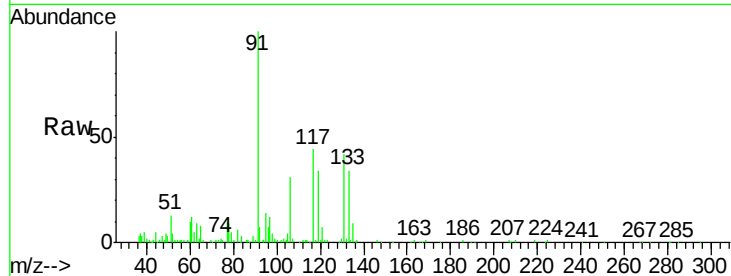
Tgt Ion:131 Resp: 38304

Ion Ratio Lower Upper

131 100

133 80.5 48.1 144.4

119 80.4 34.8 104.5

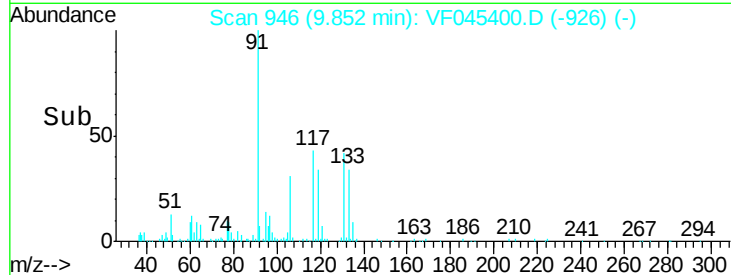


Abundance Ion 131.00 (130.70 to 131.70): V

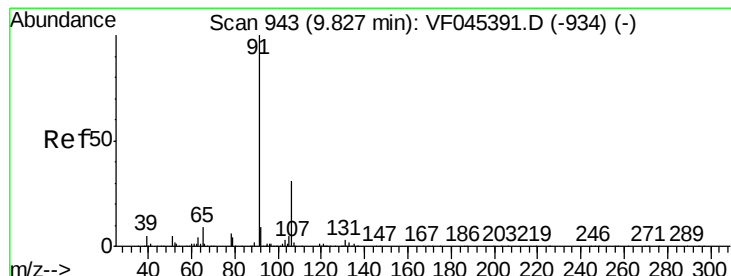
Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

Time-->



Time-->



#66

Ethyl Benzene

Concen: 3.52 ug/l

RT: 9.83 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF045400.D

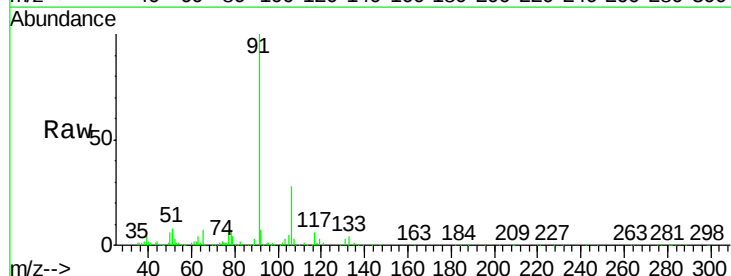
Acq: 16 Sep 2015 20:35

Tgt Ion: 91 Resp: 201900

Ion Ratio Lower Upper

91 100

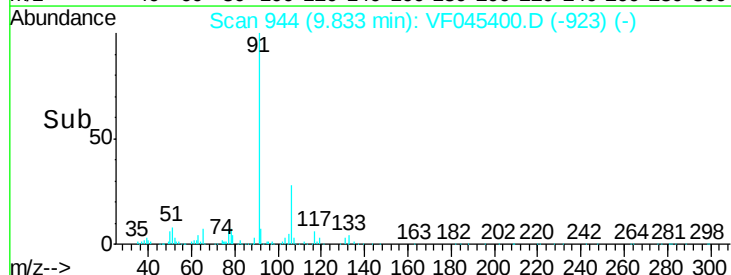
106 27.7 23.6 35.4



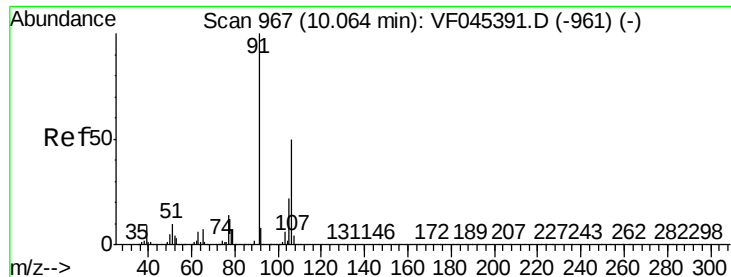
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

Time-->



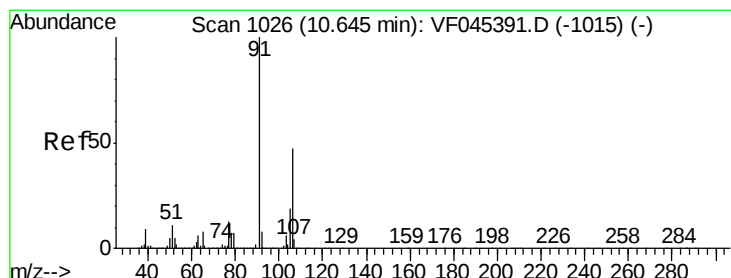
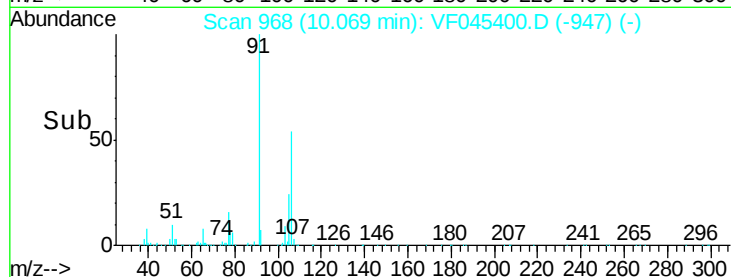
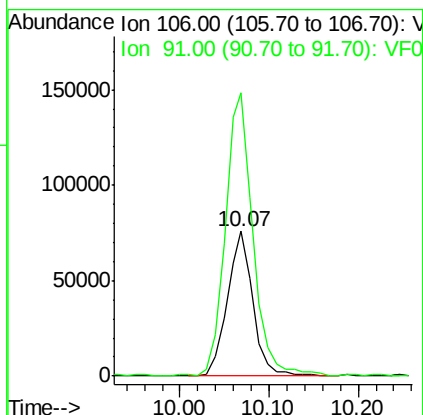
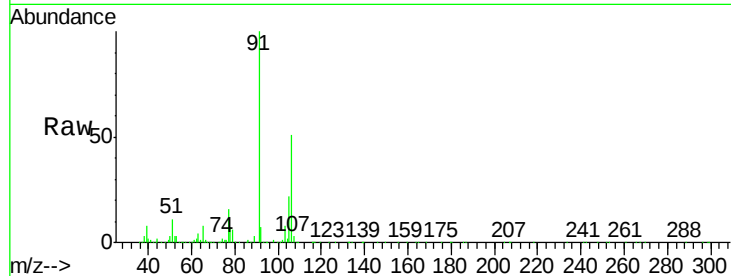
Time-->



#67
m/p-Xylenes
Concen: 7.48 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

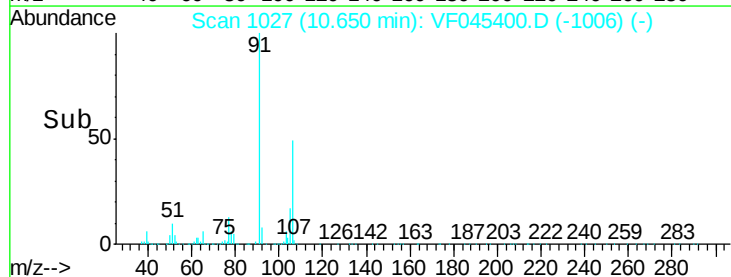
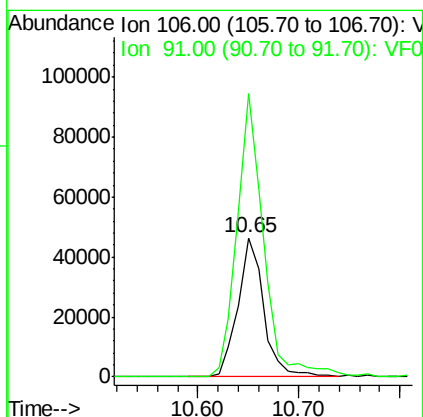
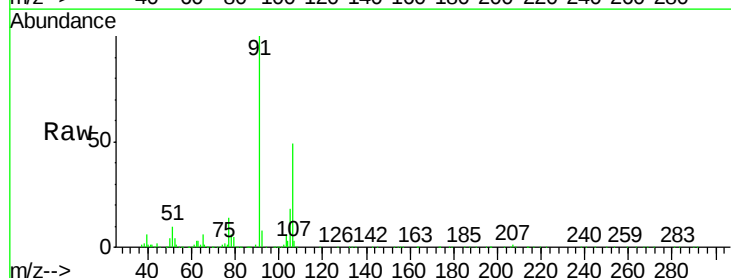
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

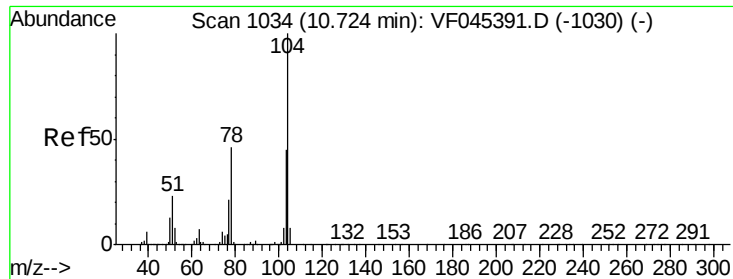
Tgt Ion:106 Resp: 153864
Ion Ratio Lower Upper
106 100
91 195.1 166.1 249.1



#68
o-Xylene
Concen: 3.91 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion:106 Resp: 83494
Ion Ratio Lower Upper
106 100
91 203.9 108.1 324.2





#69

Styrene

Concen: 3.75 ug/l

RT: 10.73 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

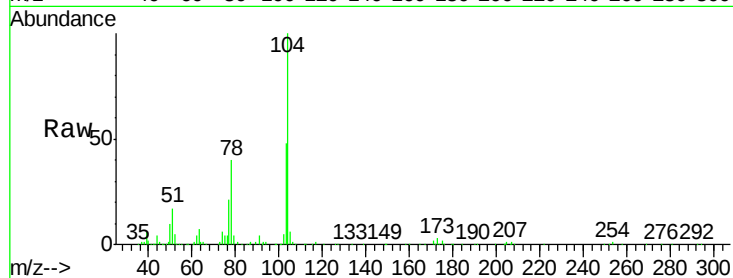
Tgt Ion:104 Resp: 127874

Ion Ratio Lower Upper

104 100

78 40.2 34.2 51.4

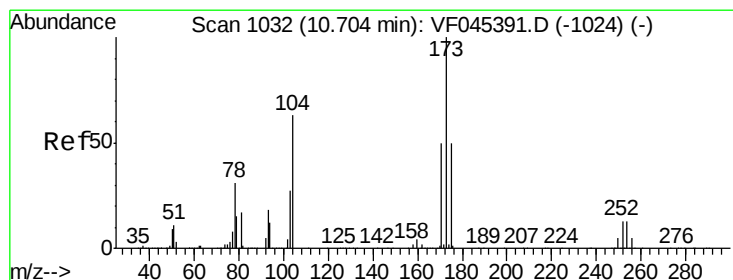
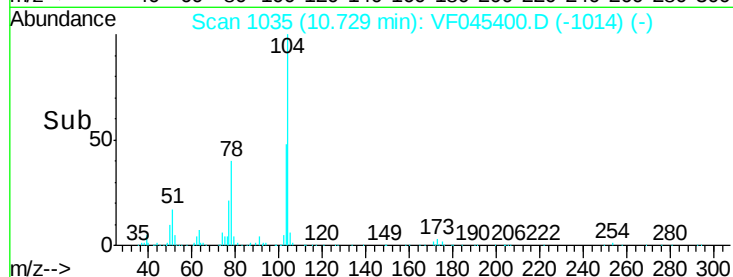
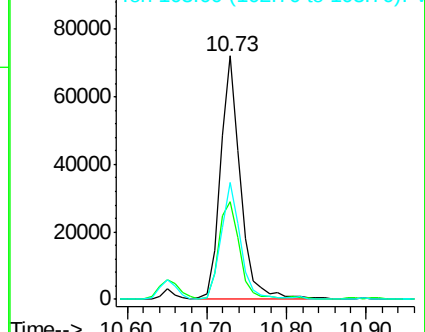
103 48.0 36.7 55.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Bromoform

Concen: 2.70 ug/l

RT: 10.70 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

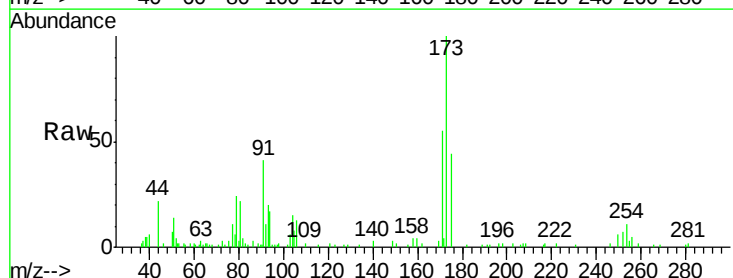
Tgt Ion:173 Resp: 24262

Ion Ratio Lower Upper

173 100

175 43.5 25.7 77.0

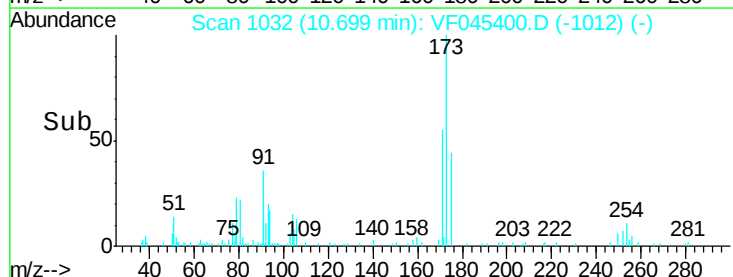
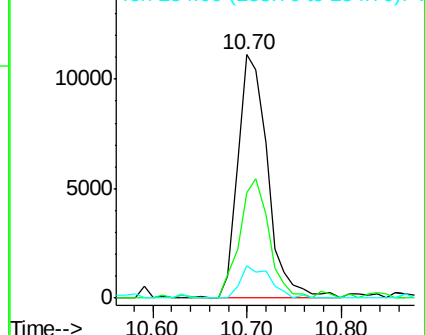
254 13.5 9.8 14.6

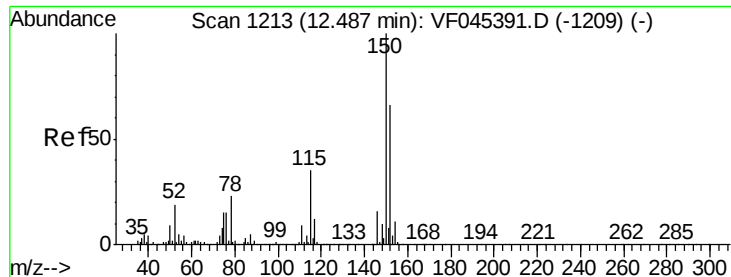


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



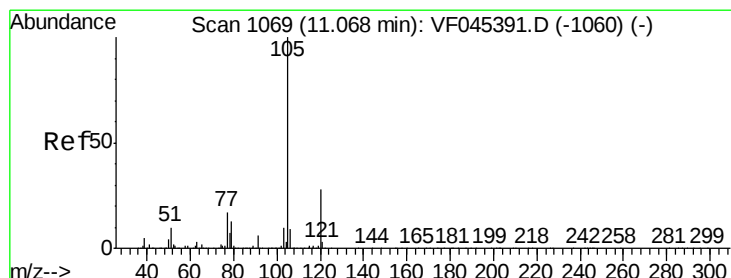
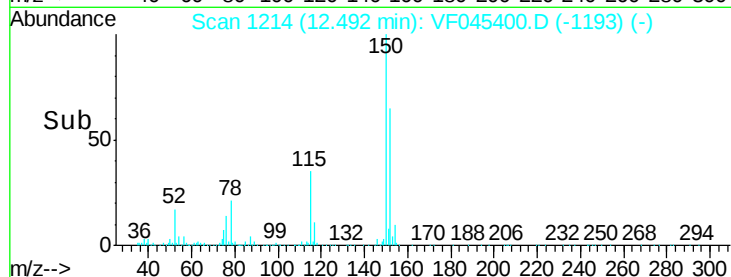
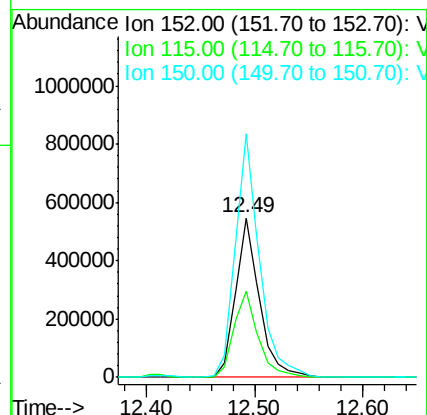
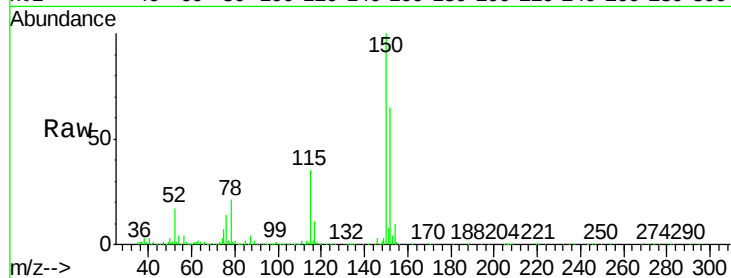


#71

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

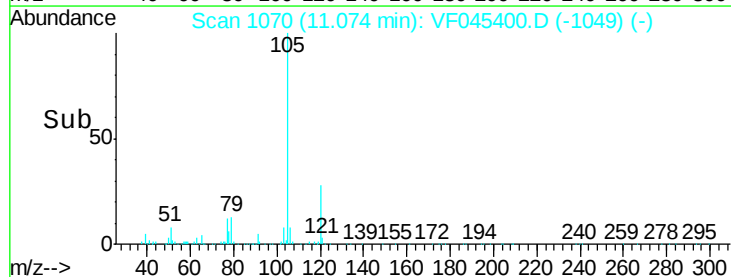
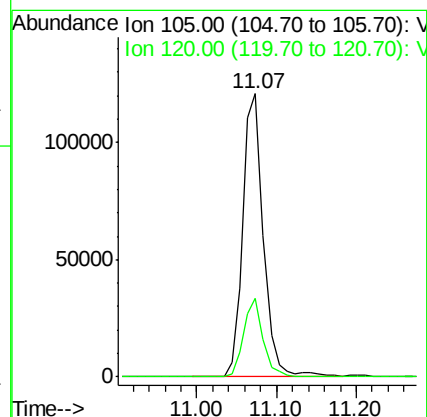
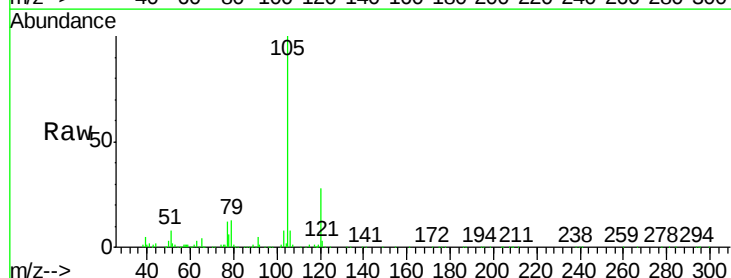
Tgt Ion:152 Resp: 839888
Ion Ratio Lower Upper
152 100
115 53.8 28.3 85.0
150 152.8 0.0 324.2

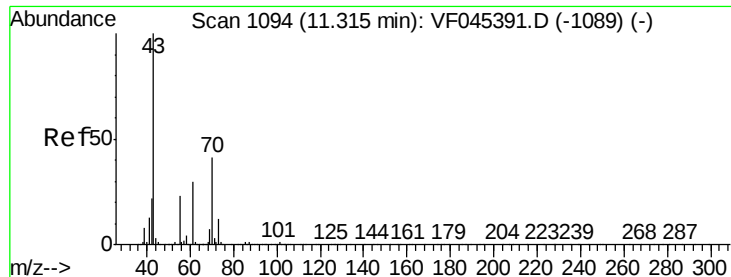


#72

Isopropylbenzene
Concen: 3.89 ug/l
RT: 11.07 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion:105 Resp: 218863
Ion Ratio Lower Upper
105 100
120 27.7 13.0 39.0





#73

N-amyI acetate

Concen: 3.61 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 43 Resp: 56333

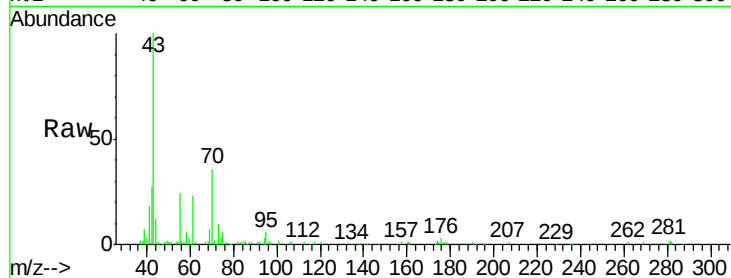
Ion Ratio Lower Upper

43 100

70 36.1 30.0 45.0

55 23.6 16.8 25.2

61 23.0 20.6 30.8

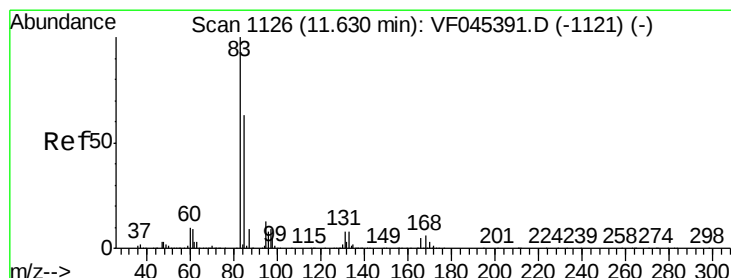
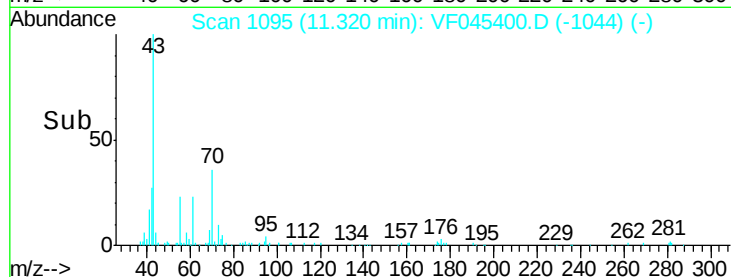
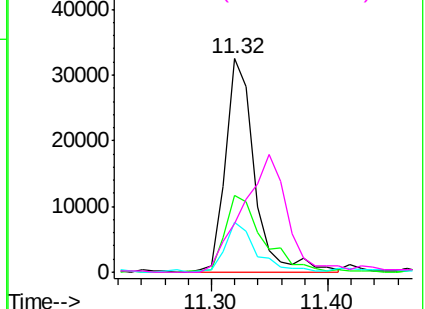


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 3.93 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

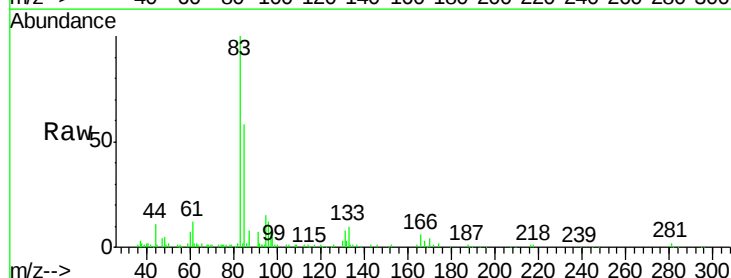
Tgt Ion: 83 Resp: 50091

Ion Ratio Lower Upper

83 100

131 7.5 4.2 12.6

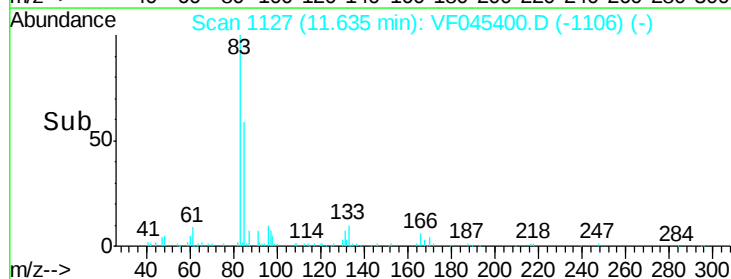
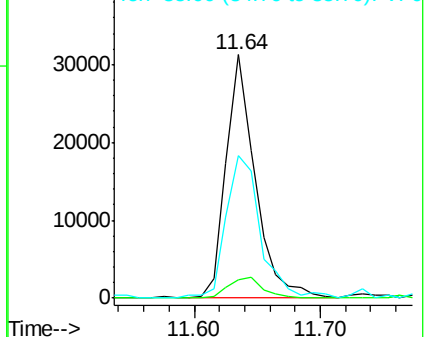
85 58.5 32.5 97.5

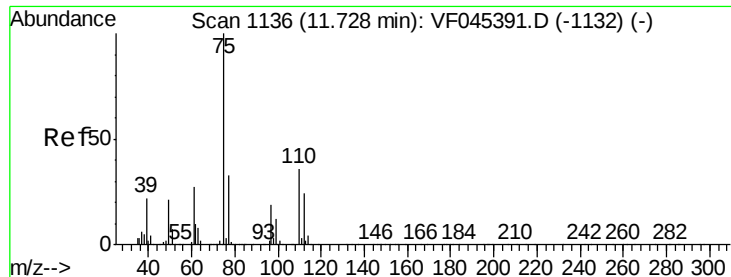


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#75

1,2,3-Trichloropropane

Concen: 3.67 ug/l

RT: 11.73 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

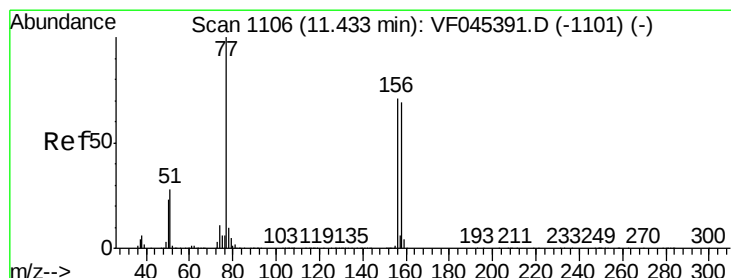
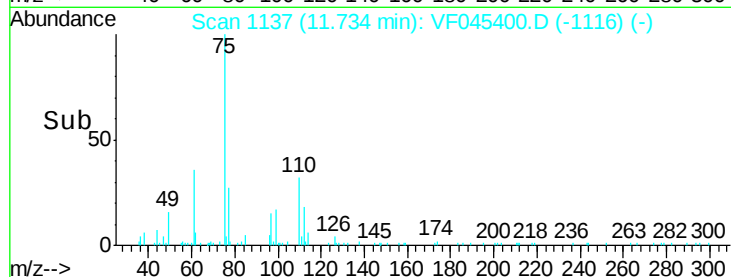
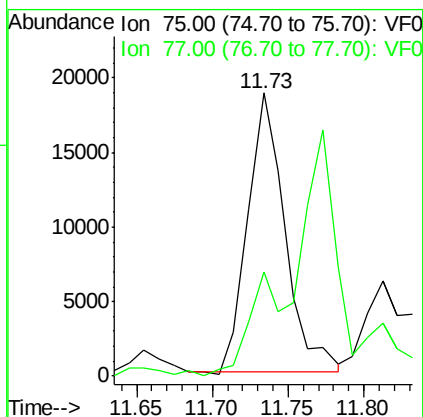
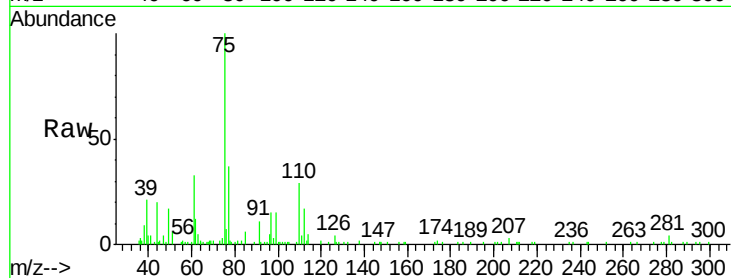
LOD-SOIL2015-01

Tgt Ion: 75 Resp: 32175

Ion Ratio Lower Upper

75 100

77 37.0 15.0 45.1



#76

Bromobenzene

Concen: 3.92 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

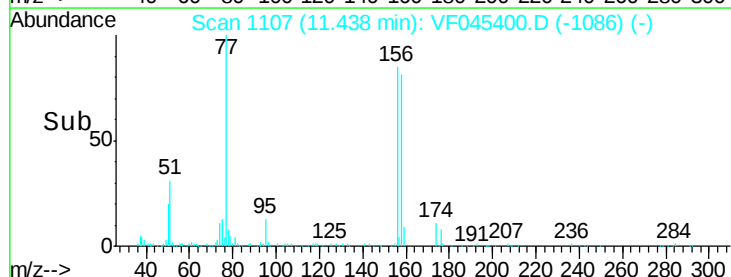
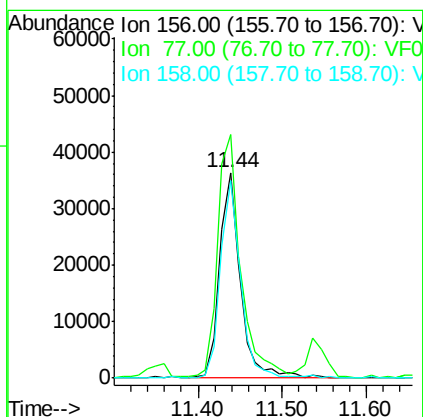
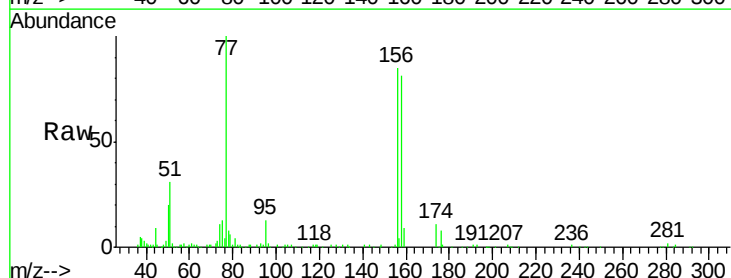
Tgt Ion: 156 Resp: 62590

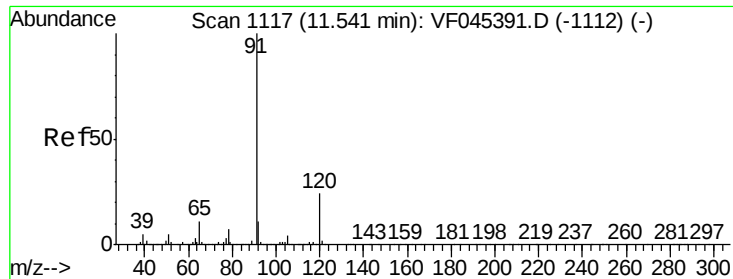
Ion Ratio Lower Upper

156 100

77 118.3 74.8 224.3

158 95.9 49.5 148.7





#77

n-propylbenzene

Concen: 4.14 ug/l

RT: 11.54 min Scan# 1117

Delta R.T. -0.00 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

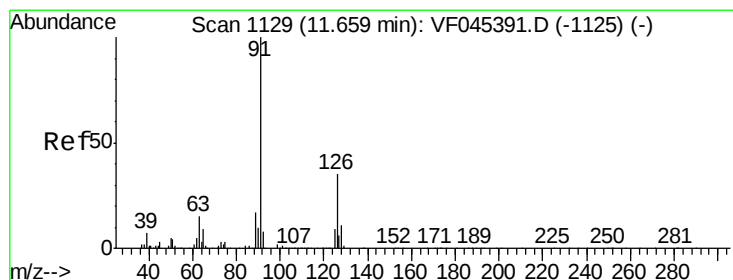
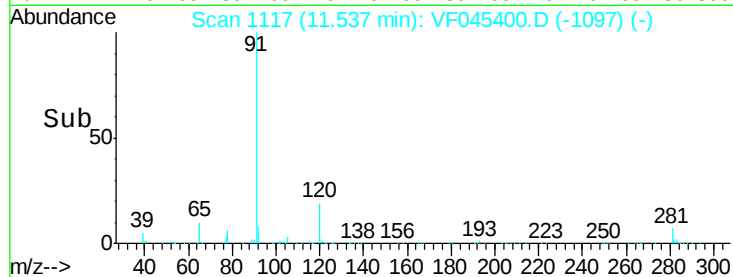
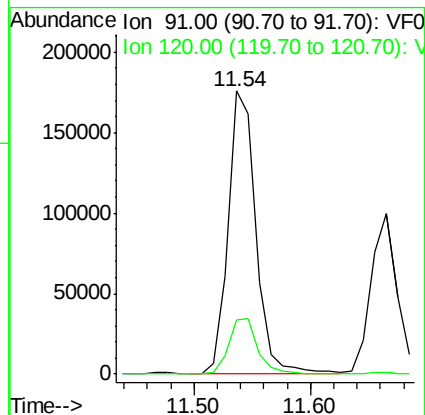
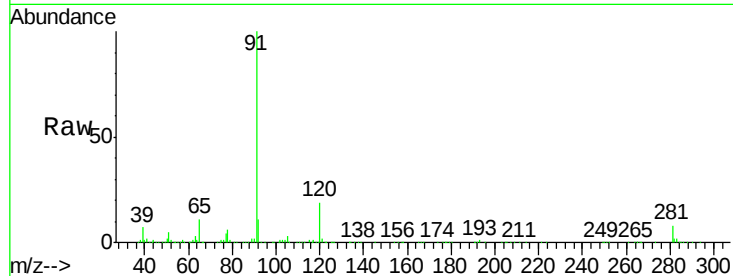
LOD-SOIL2015-01

Tgt Ion: 91 Resp: 289108

Ion Ratio Lower Upper

91 100

120 19.3 11.6 34.7



#78

2-Chlorotoluene

Concen: 4.04 ug/l

RT: 11.66 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF045400.D

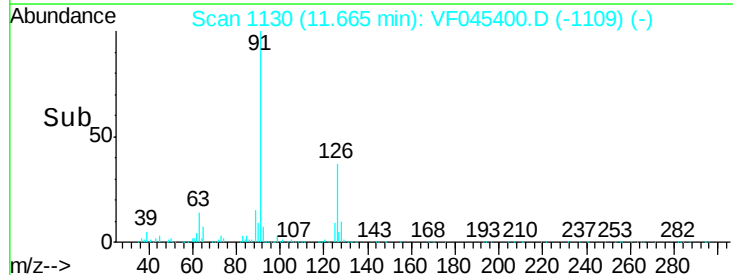
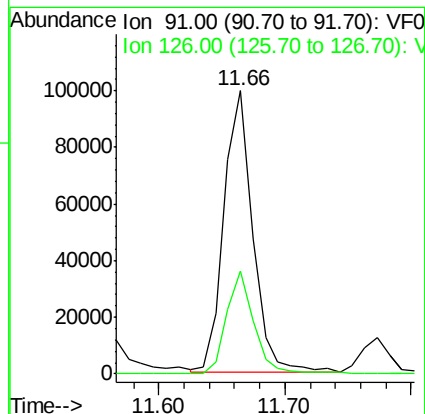
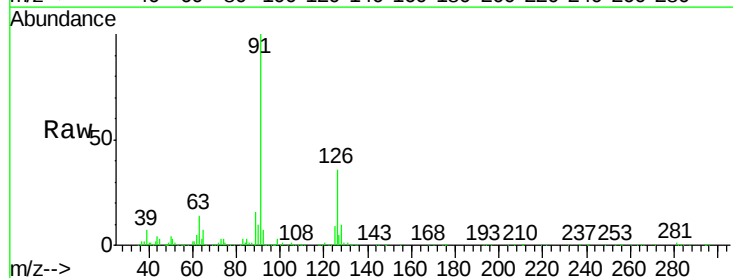
Acq: 16 Sep 2015 20:35

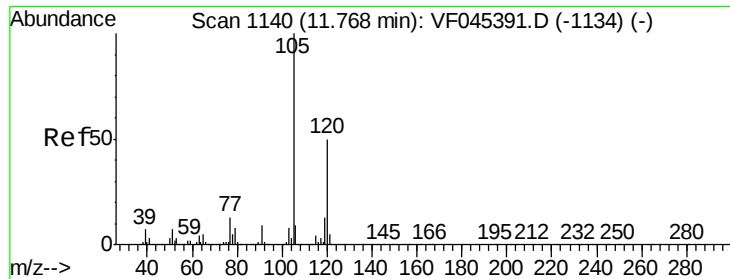
Tgt Ion: 91 Resp: 157908

Ion Ratio Lower Upper

91 100

126 36.4 16.9 50.7

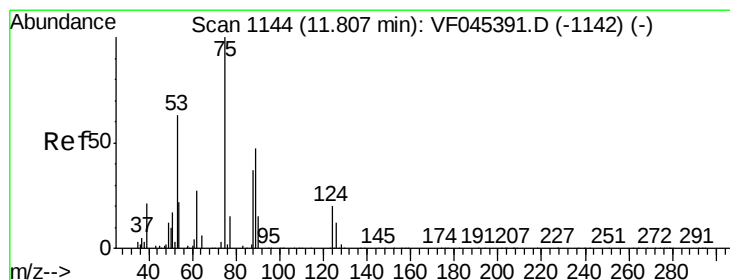
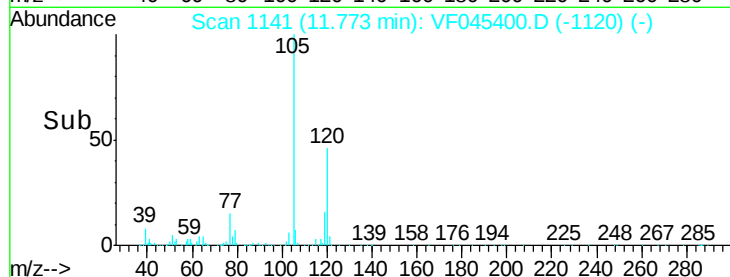
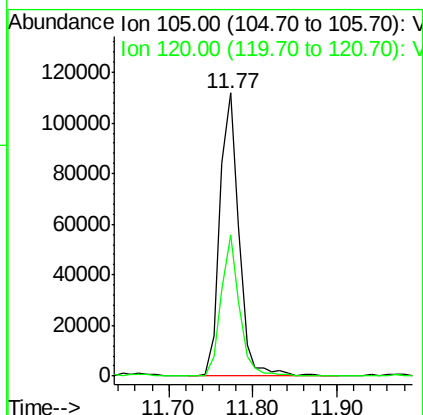
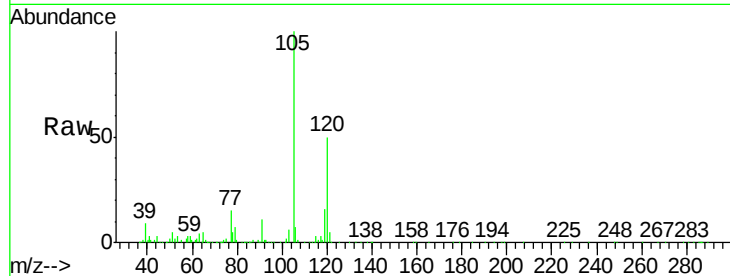




#79
 1,3,5-Trimethylbenzene
 Concen: 3.84 ug/l
 RT: 11.77 min Scan# 1141
 Delta R.T. 0.01 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

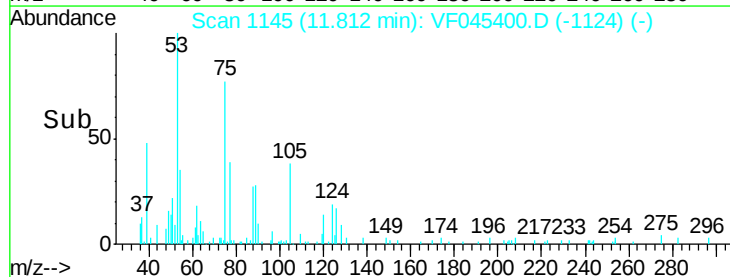
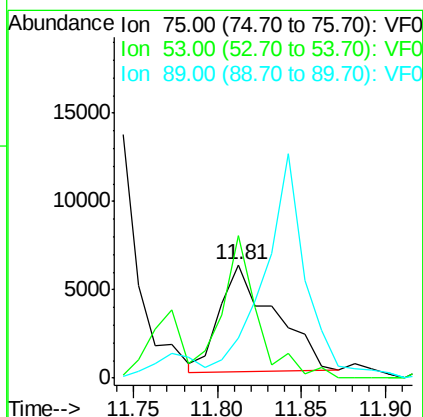
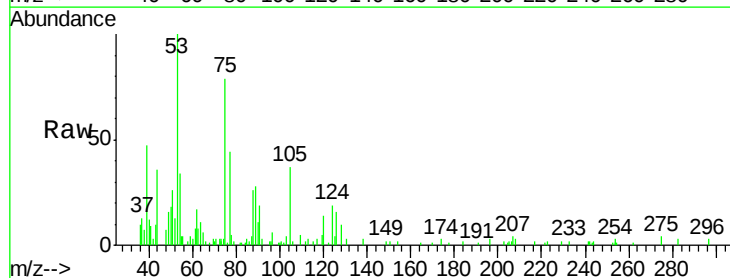
Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

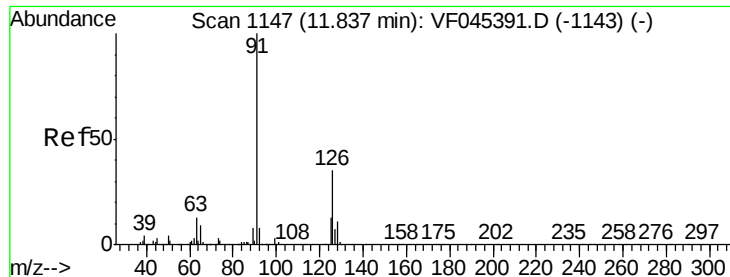
Tgt Ion: 105 Resp: 175903
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.2 75.6



#80
 trans-1,4-Dichloro-2-butene
 Concen: 2.90 ug/l
 RT: 11.81 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

Tgt Ion: 75 Resp: 13644
 Ion Ratio Lower Upper
 75 100
 53 126.4 51.0 76.6#
 89 35.0 38.6 57.8#





#81

4-Chlorotoluene

Concen: 3.83 ug/l

RT: 11.84 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

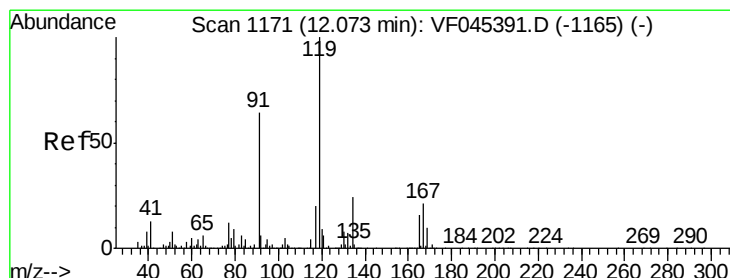
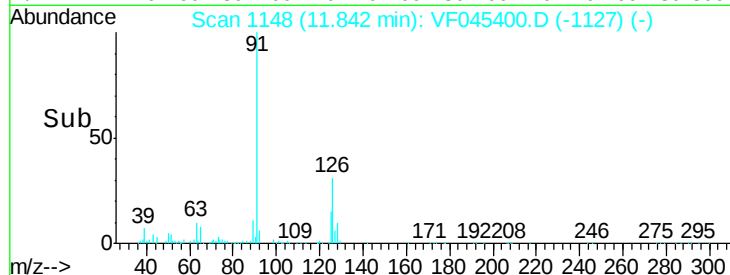
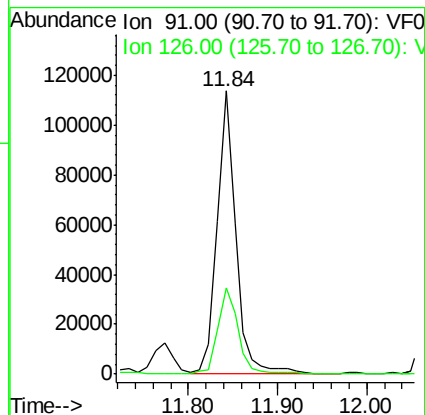
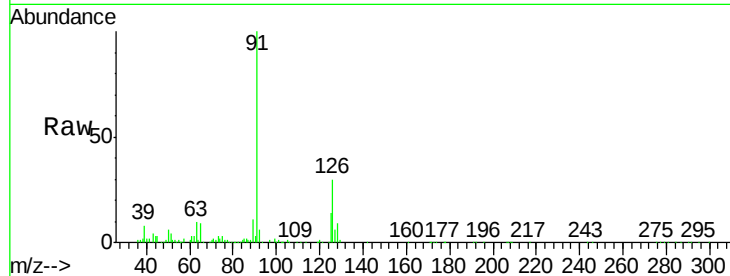
LOD-SOIL2015-01

Tgt Ion: 91 Resp: 165216

Ion Ratio Lower Upper

91 100

126 30.3 15.8 47.4



#82

tert-Butylbenzene

Concen: 3.88 ug/l

RT: 12.08 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

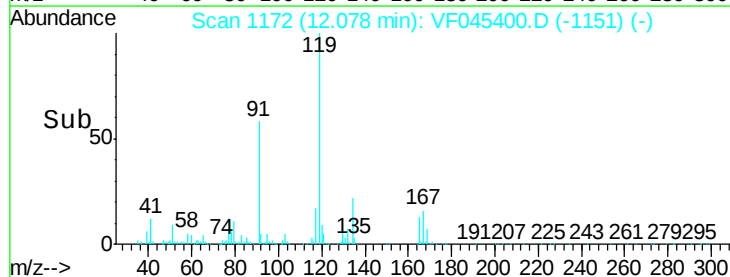
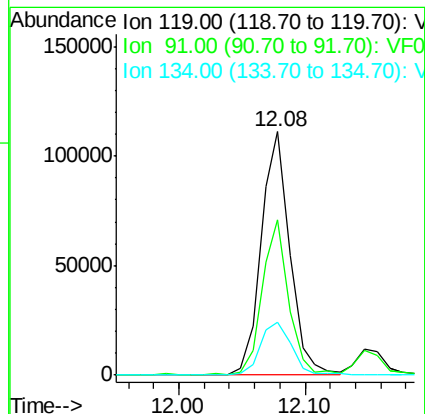
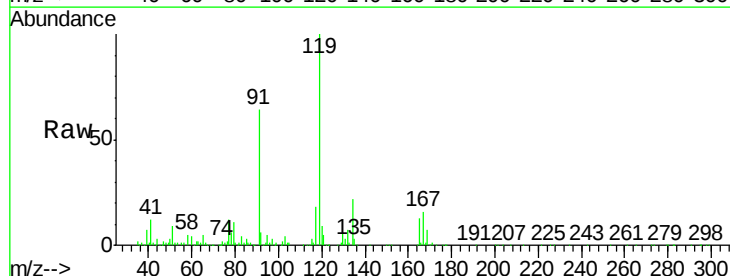
Tgt Ion: 119 Resp: 176116

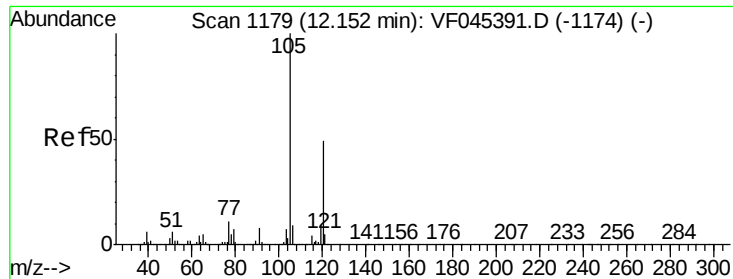
Ion Ratio Lower Upper

119 100

91 63.6 31.1 93.2

134 21.9 12.2 36.6

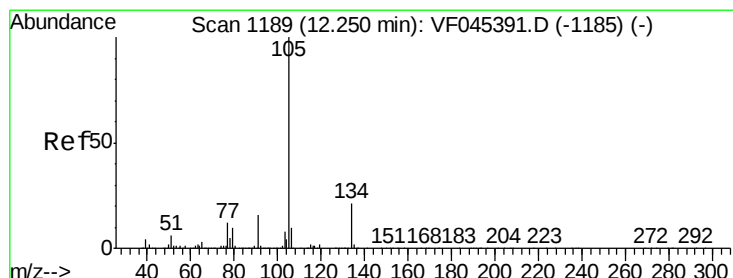
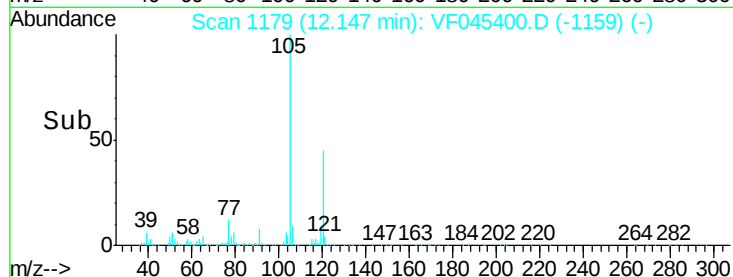
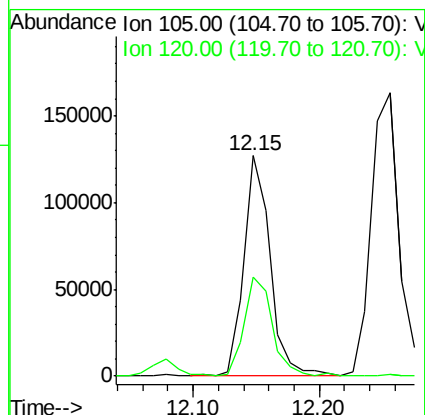
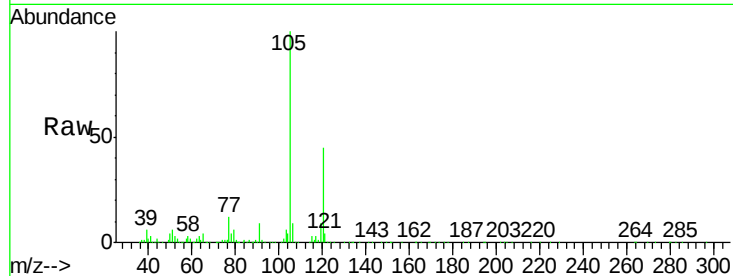




#83
 1,2,4-Trimethylbenzene
 Concen: 3.85 ug/l
 RT: 12.15 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

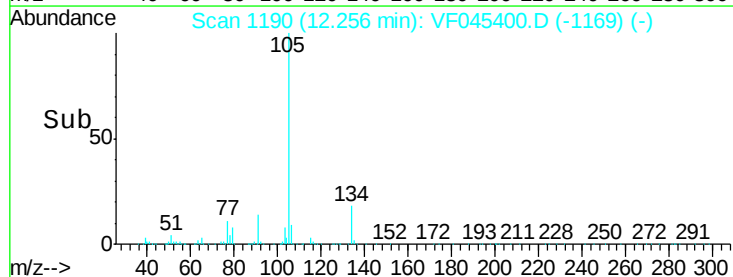
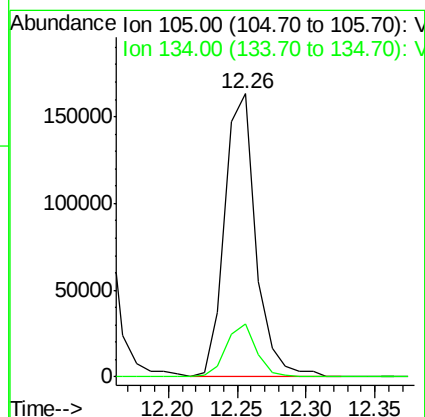
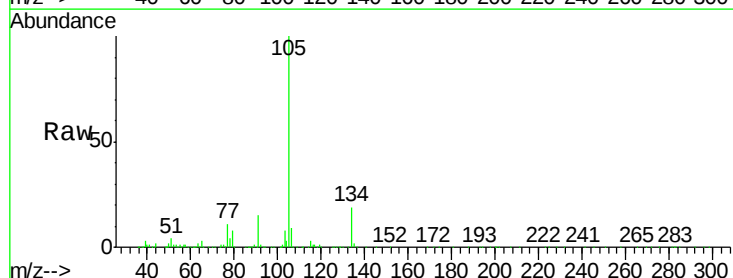
Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

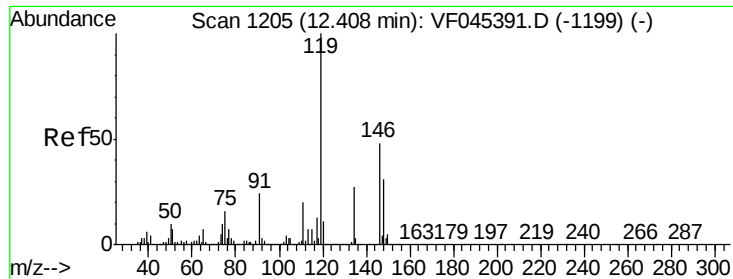
Tgt Ion:105 Resp: 180812
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.9 68.7



#84
 sec-Butylbenzene
 Concen: 4.05 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

Tgt Ion:105 Resp: 255326
 Ion Ratio Lower Upper
 105 100
 134 18.6 10.5 31.6

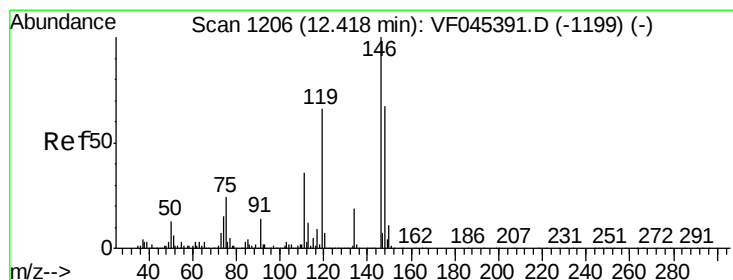
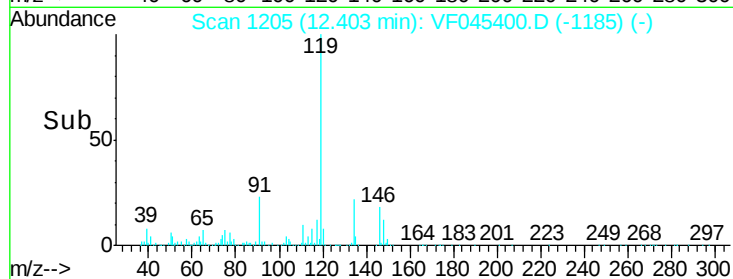
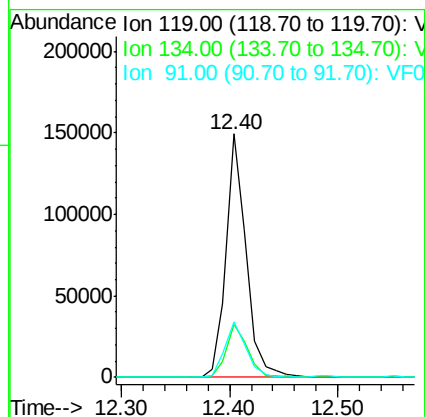
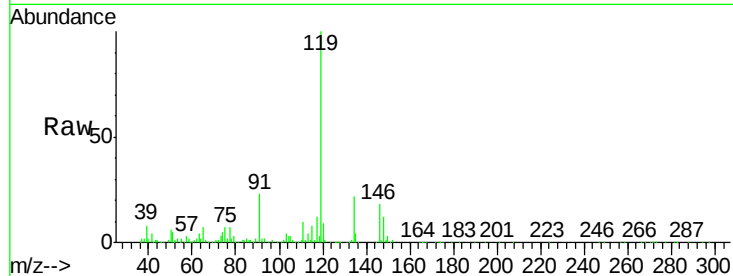




#85
p-Isopropyltoluene
Concen: 3.94 ug/l
RT: 12.40 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

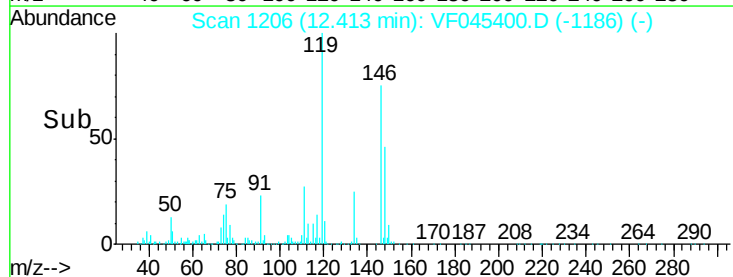
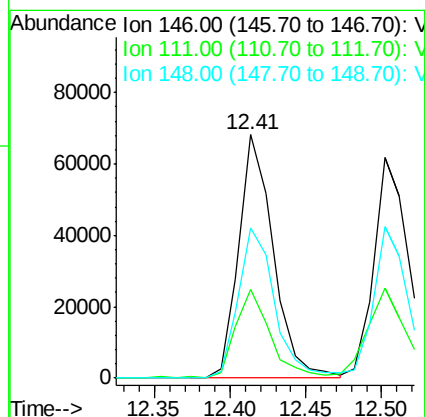
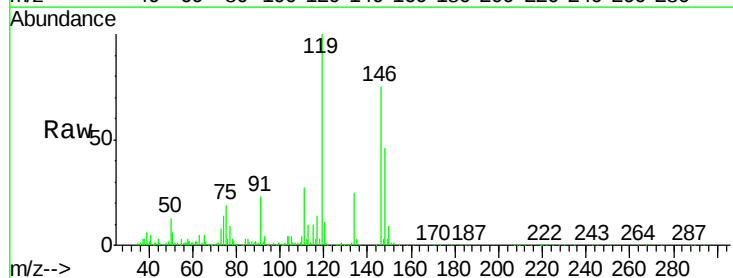
Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

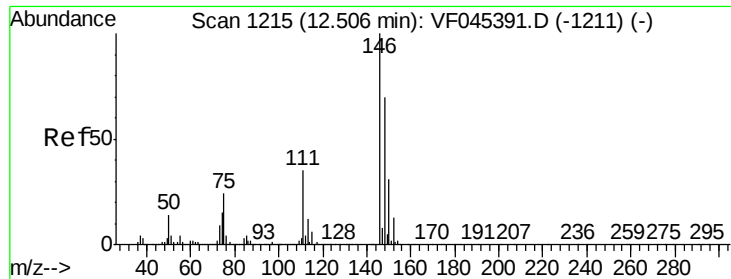
Tgt Ion	Ratio	Lower	Upper
119	100		
134	21.6	13.0	38.9
91	22.8	12.2	36.6



#86
1,3-Dichlorobenzene
Concen: 4.00 ug/l
RT: 12.41 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	19.9	59.7
148	61.4	32.5	97.4

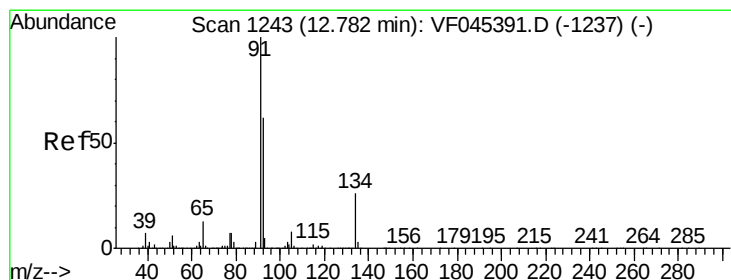
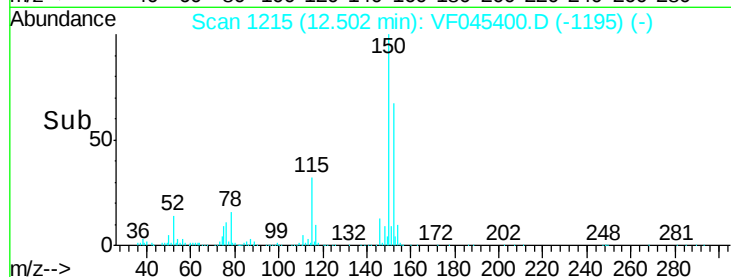
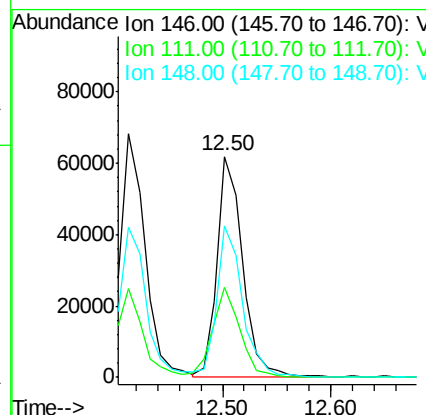
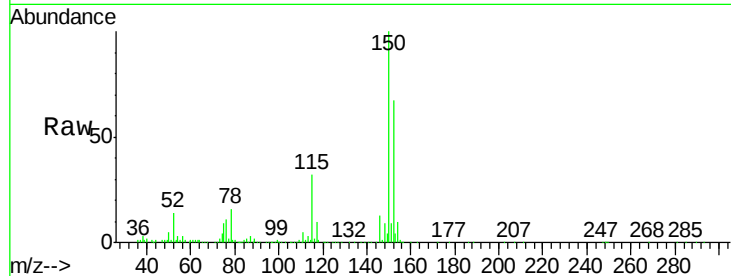




#87
 1,4-Dichlorobenzene
 Concen: 3.77 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

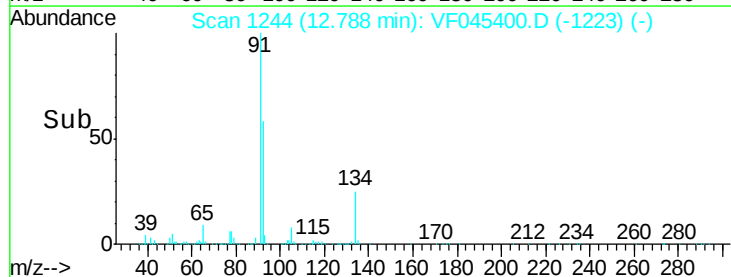
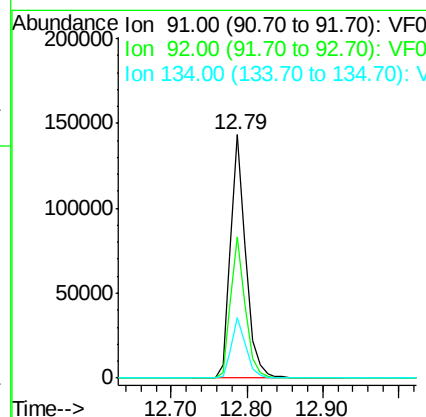
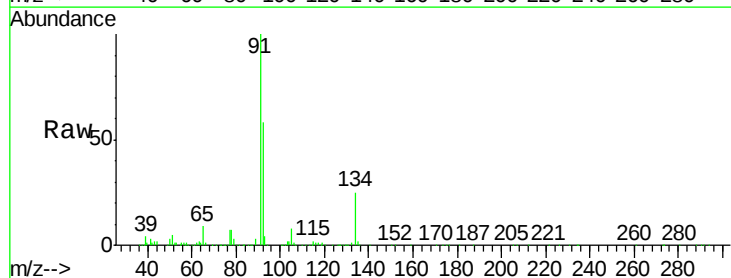
Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

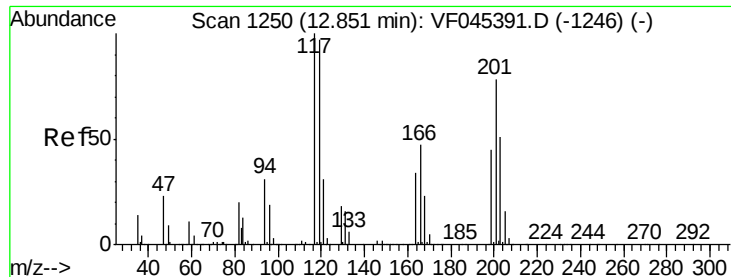
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	17.3	52.0
148	68.5	32.4	97.0



#88
 n-Butylbenzene
 Concen: 4.05 ug/l
 RT: 12.79 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.9	30.1	90.5
134	25.0	13.8	41.4





#89

Hexachloroethane

Concen: 3.47 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

Instrument :

MSVOA_F

ClientSampleId :

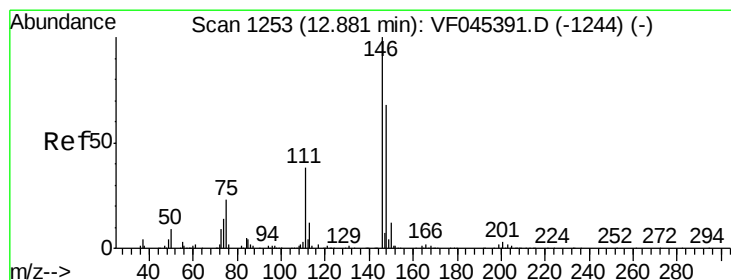
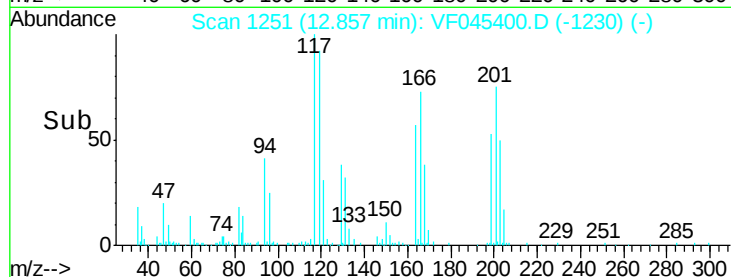
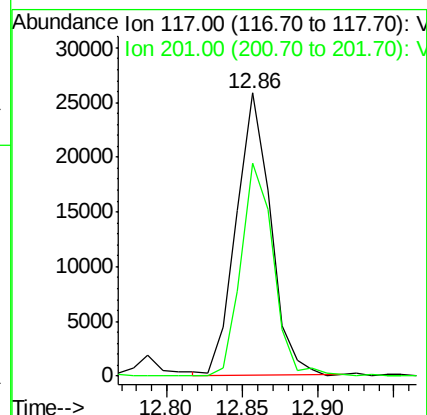
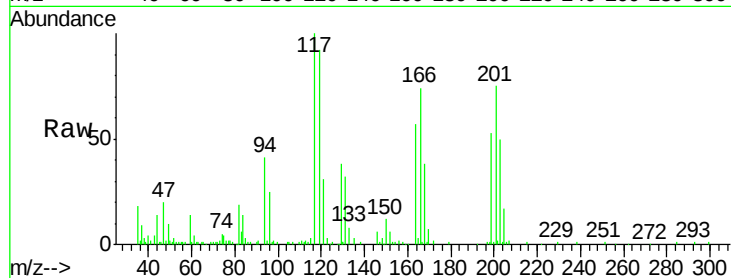
LOD-SOIL2015-01

Tgt Ion:117 Resp: 40303

Ion Ratio Lower Upper

117 100

201 75.3 42.0 126.1



#90

1,2-Dichlorobenzene

Concen: 3.97 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VF045400.D

Acq: 16 Sep 2015 20:35

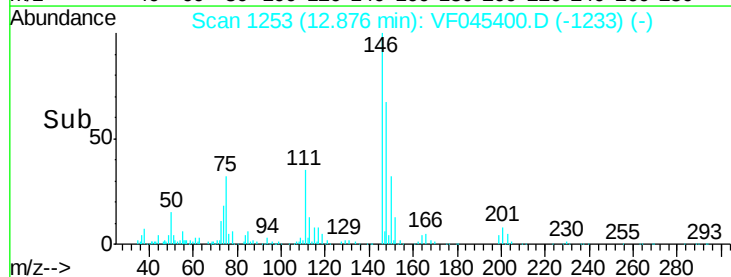
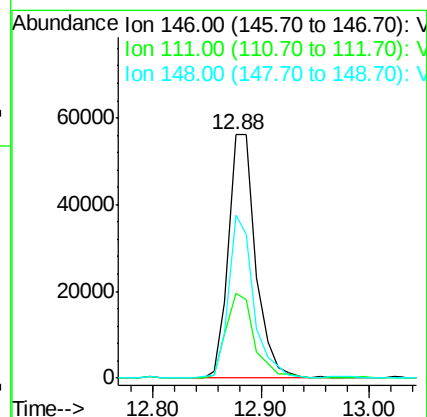
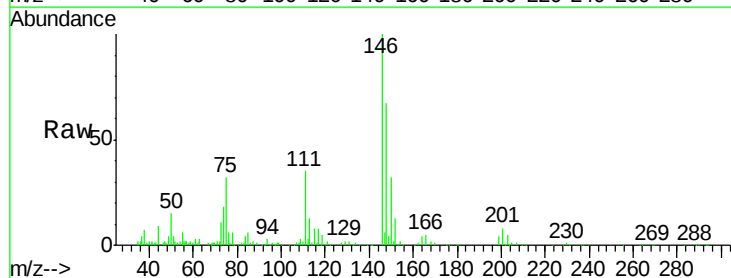
Tgt Ion:146 Resp: 99044

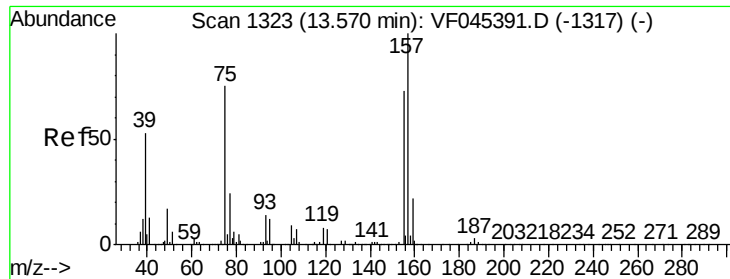
Ion Ratio Lower Upper

146 100

111 34.7 21.4 64.3

148 66.7 31.4 94.3

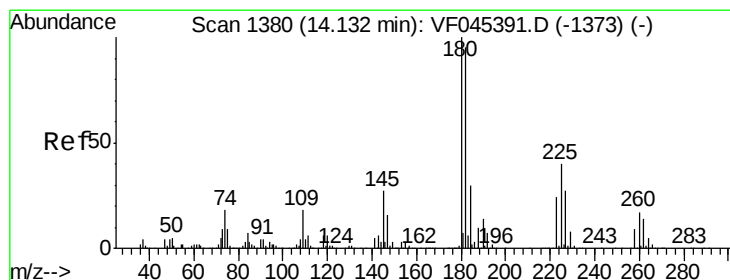
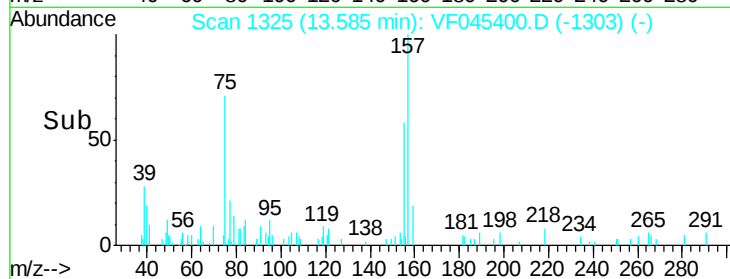
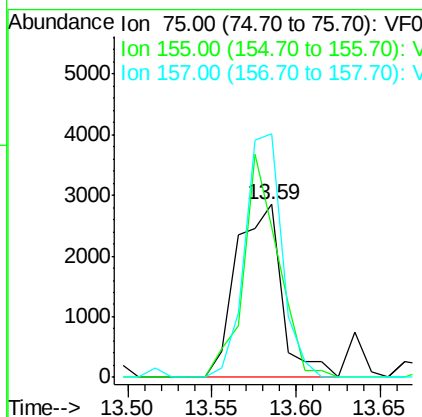
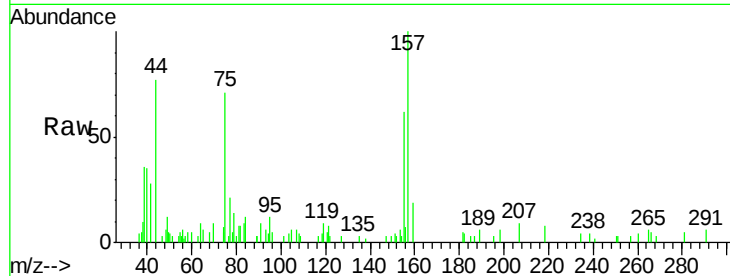




#91
 1,2-Dibromo-3-Chloropropane
 Concen: 3.14 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

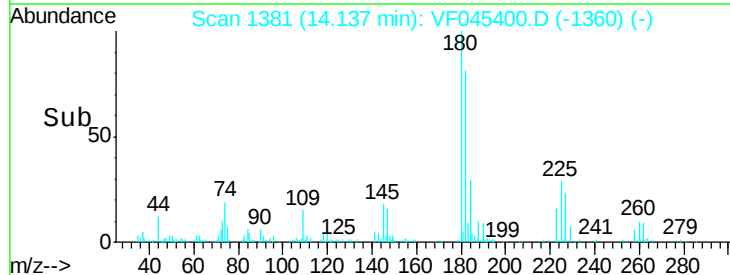
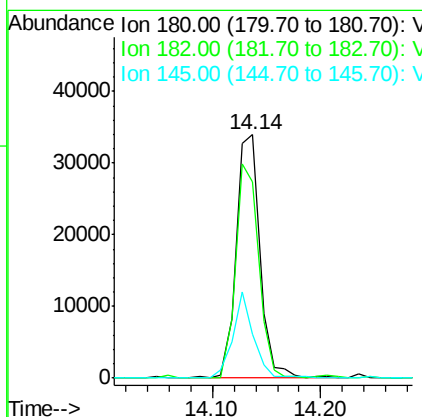
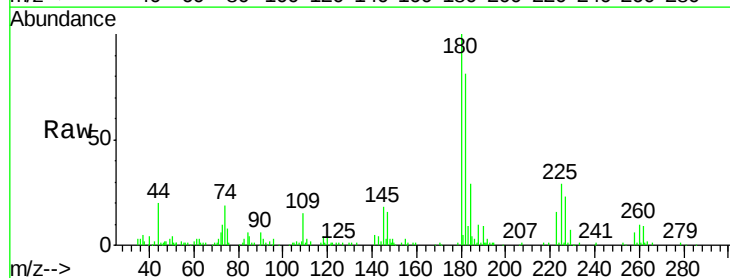
Instrument :
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 ClientSampleId :
 LOD-SOIL2015-01

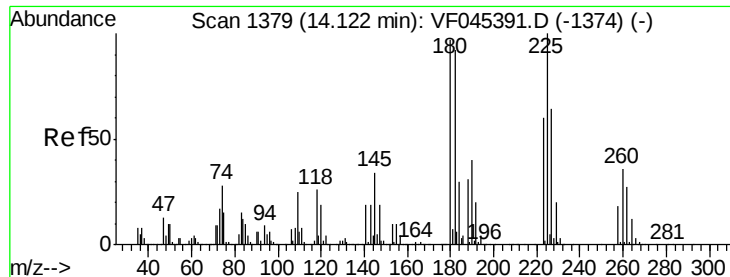
Tgt Ion: 75 Resp: 5318
 Ion Ratio Lower Upper
 75 100
 155 86.7 49.2 147.6
 157 141.0 66.8 200.4



#92
 1,2,4-Trichlorobenzene
 Concen: 3.62 ug/l
 RT: 14.14 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

Tgt Ion: 180 Resp: 52280
 Ion Ratio Lower Upper
 180 100
 182 80.6 49.4 148.0
 145 18.3 16.7 50.1

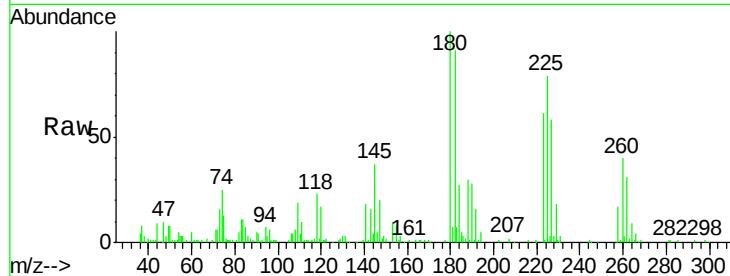




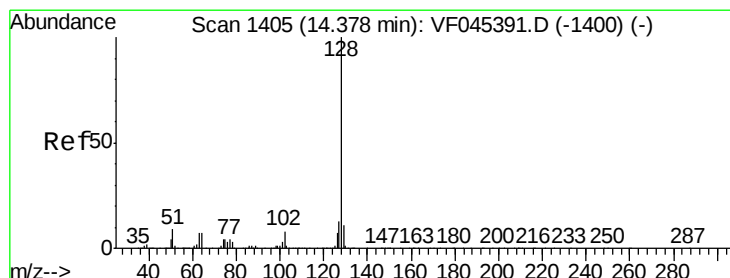
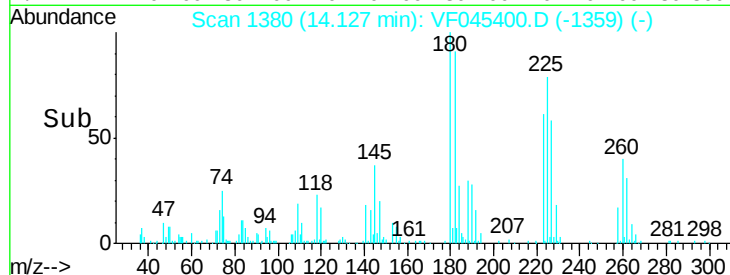
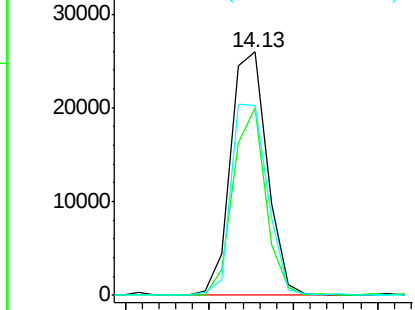
#93
Hexachlorobutadiene
Concen: 3.58 ug/l
RT: 14.13 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:225 Resp: 39281
Ion Ratio Lower Upper
225 100
223 76.8 31.9 95.5
227 77.8 32.9 98.7

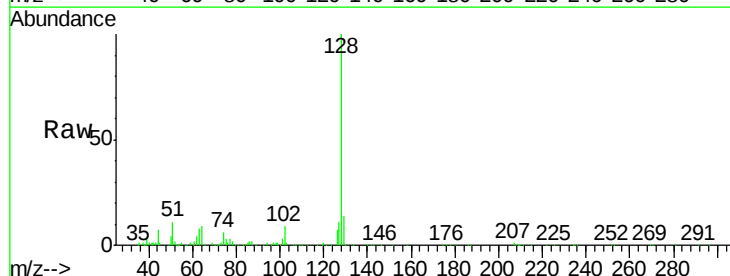


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

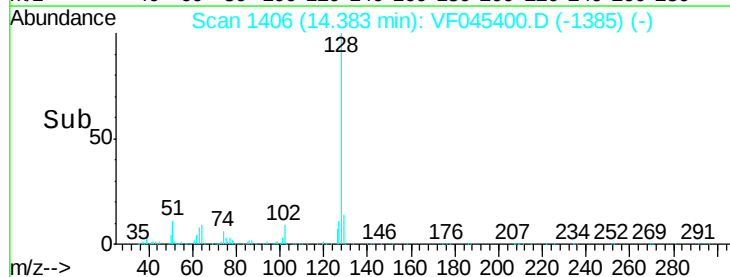
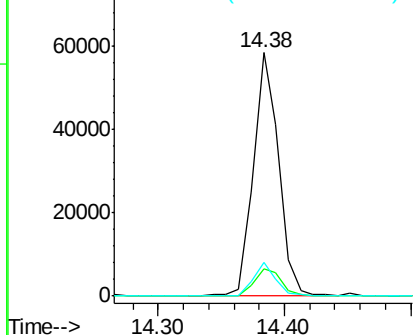


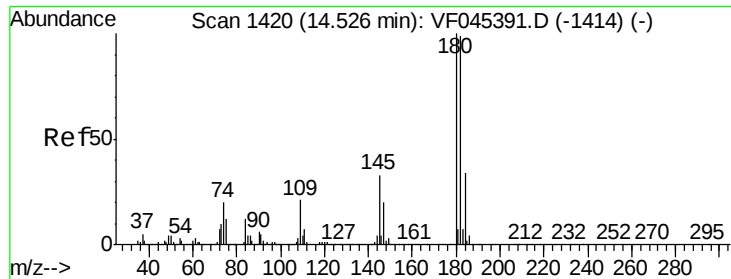
#94
Naphthalene
Concen: 4.57 ug/l
RT: 14.38 min Scan# 1406
Delta R.T. 0.01 min
Lab File: VF045400.D
Acq: 16 Sep 2015 20:35

Tgt Ion:128 Resp: 81773
Ion Ratio Lower Upper
128 100
127 11.2 9.8 14.8
129 13.7 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#95
 1,2,3-Trichlorobenzene
 Concen: 3.46 ug/l
 RT: 14.53 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: VF045400.D
 Acq: 16 Sep 2015 20:35

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:	180	Resp:	41103
Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.6	142.8
145	33.4	14.5	43.6

