

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

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:27 PM

Quant Time: Sep 17 07:40:46 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	15946	1.71	ug/l	81
3) Chloromethane	1.03	50	10871	1.36	ug/l	98
4) Vinyl Chloride	1.08	62	9208	1.35	ug/l	89
5) Bromomethane	1.25	94	6151	1.45	ug/l #	71
7) Trichlorofluoromethane	1.39	101	20827m	1.48	ug/l	
8) Diethyl Ether	1.60	74	3930	1.34	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.78	101	11264	1.39	ug/l #	85
10) Methyl Iodide	1.81	142	21223	1.28	ug/l	93
12) 1,1-Dichloroethene	1.72	96	8545	1.27	ug/l	91
14) Allyl chloride	2.06	41	11577m	1.11	ug/l	
15) Acrylonitrile	2.89	53	7767	6.15	ug/l #	66
16) Acetone	2.19	43	21616	8.10	ug/l	97
17) Carbon Disulfide	1.72	76	28041	1.23	ug/l #	92
18) Methyl Acetate	2.29	43	25402	2.48	ug/l #	89
19) Methyl tert-butyl Ether	2.38	73	5704	1.08	ug/l #	71
20) Methylene Chloride	2.14	84	17652	Below	Cal	85
21) trans-1,2-Dichloroethene	2.27	96	9217	1.23	ug/l	91
22) Diisopropyl ether	2.76	45	31965	1.44	ug/l #	84
23) Vinyl Acetate	3.12	43	39939	6.16	ug/l #	89
24) 1,1-Dichloroethane	2.83	63	19868	1.32	ug/l #	89
25) 2-Butanone	4.28	43	25014	6.70	ug/l #	79
26) 2,2-Dichloropropane	3.54	77	14765	1.06	ug/l	94
27) cis-1,2-Dichloroethene	3.42	96	15410	1.33	ug/l	78
28) Bromochloromethane	3.65	49	8127	1.38	ug/l	91
29) Chloroform	3.79	83	26703	1.26	ug/l	97
30) Cyclohexane	3.65	56	18047	1.33	ug/l	91
31) 1,1,1-Trichloroethane	4.03	97	20379	1.17	ug/l	89
35) 1,1-Dichloropropene	4.22	75	23446	1.55	ug/l	88
36) Ethyl Acetate	4.04	43	15443	2.02	ug/l #	77
37) Carbon Tetrachloride	3.93	117	19287	1.21	ug/l #	77
38) Methylcyclohexane	5.41	83	20677	1.27	ug/l	90
39) Benzene	4.58	78	42925	1.21	ug/l	99
41) 1,2-Dichloroethane	4.89	62	17327	1.21	ug/l	91
42) Isopropyl Acetate	6.91	43	16795	1.67	ug/l #	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Trichloroethene	5.45	130	15758	1.30	ug/l	97
44) 1,2-Dichloropropane	6.18	63	13799	1.34	ug/l	96
45) Dibromomethane	6.03	93	10282	1.40	ug/l #	63
46) Bromodichloromethane	6.32	83	18536	1.13	ug/l #	61
47) Methyl methacrylate	6.68	41	7166	1.17	ug/l	88
48) 1,4-Dioxane	6.67	88	1435	19.57	ug/l #	1
50) 4-Methyl-2-Pentanone	8.21	43	52981	7.39	ug/l	96
51) Toluene	7.58	92	38053	1.40	ug/l	90
52) t-1,3-Dichloropropene	8.22	75	17899	1.21	ug/l #	78
53) cis-1,3-Dichloropropene	7.24	75	19892	1.14	ug/l #	86
54) 1,1,2-Trichloroethane	8.43	97	10273	1.11	ug/l #	69
55) Ethyl methacrylate	8.57	69	13498	1.13	ug/l #	82
56) 1,3-Dichloropropane	8.79	76	21449	1.43	ug/l	97
58) 2-Hexanone	9.44	43	41455	7.26	ug/l	82
59) Dibromochloromethane	8.65	129	13691	1.05	ug/l	77
60) 1,2-Dibromoethane	8.92	107	13209	1.26	ug/l	94
63) Tetrachloroethene	8.10	164	15214	1.28	ug/l	91
64) Chlorobenzene	9.73	112	42109	1.34	ug/l #	83
65) 1,1,1,2-Tetrachloroethane	9.86	131	12802	1.11	ug/l	70
66) Ethyl Benzene	9.84	91	72571	1.33	ug/l	96
67) m/p-Xylenes	10.07	106	57550	2.95	ug/l	93
68) o-Xylene	10.65	106	28246	1.39	ug/l	86
69) Styrene	10.73	104	44990	1.39	ug/l #	79
70) Bromoform	10.71	173	7917	0.93	ug/l	90
72) Isopropylbenzene	11.07	105	77925	1.43	ug/l	95
73) N-amyl acetate	11.33	43	21296	1.41	ug/l #	81
74) 1,1,2,2-Tetrachloroethane	11.63	83	18660	1.51	ug/l	97
75) 1,2,3-Trichloropropane	11.73	75	9662m	1.14	ug/l	
76) Bromobenzene	11.44	156	20713	1.34	ug/l	91
77) n-propylbenzene	11.55	91	102546	1.52	ug/l	98
78) 2-Chlorotoluene	11.66	91	57071	1.51	ug/l	93
79) 1,3,5-Trimethylbenzene	11.77	105	60074	1.35	ug/l	90
80) trans-1,4-Dichloro-2-buten	11.82	75	6370	1.40	ug/l #	87
81) 4-Chlorotoluene	11.84	91	58034	1.39	ug/l	95
82) tert-Butylbenzene	12.08	119	64296	1.46	ug/l	90
83) 1,2,4-Trimethylbenzene	12.16	105	61457	1.35	ug/l	94
84) sec-Butylbenzene	12.25	105	85419	1.40	ug/l	90
85) p-Isopropyltoluene	12.40	119	66901	1.41	ug/l	95
86) 1,3-Dichlorobenzene	12.42	146	41103	1.56	ug/l	92
87) 1,4-Dichlorobenzene	12.51	146	37891	1.44	ug/l	88
88) n-Butylbenzene	12.79	91	70142	1.47	ug/l	93
89) Hexachloroethane	12.86	117	16680	1.48	ug/l	100
90) 1,2-Dichlorobenzene	12.89	146	35712	1.48	ug/l	83
91) 1,2-Dibromo-3-Chloropropan	13.57	75	1978	1.21	ug/l	70
92) 1,2,4-Trichlorobenzene	14.14	180	19108	1.37	ug/l	89
93) Hexachlorobutadiene	14.13	225	14740	1.39	ug/l	94
94) Naphthalene	14.38	128	29639	2.76	ug/l #	97
95) 1,2,3-Trichlorobenzene	14.53	180	15795	1.37	ug/l	86

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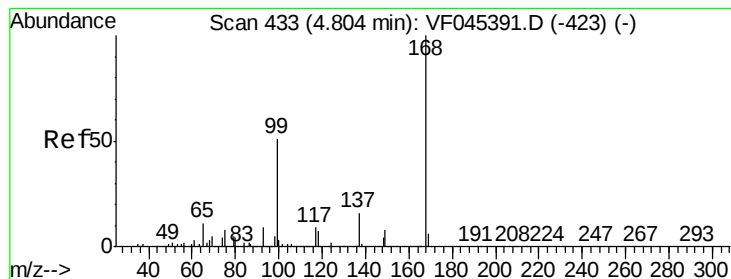
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:168 Resp: 1094690

Ion Ratio Lower Upper

168 100

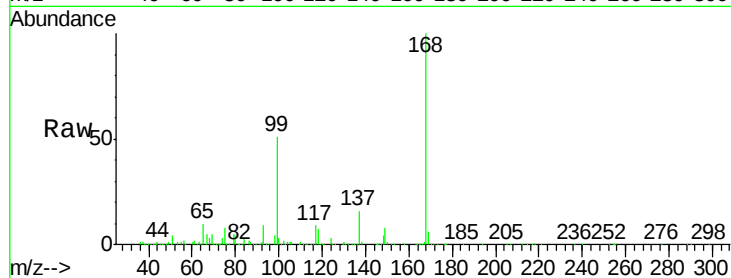
99 51.3 39.0 58.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.82

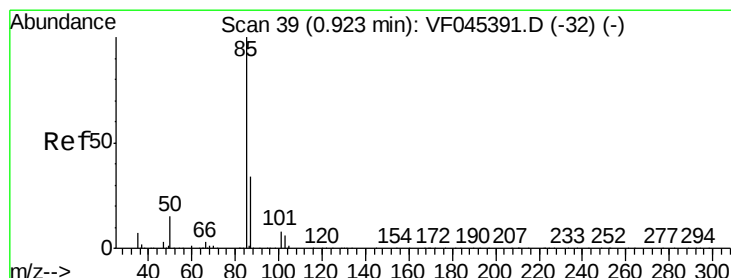
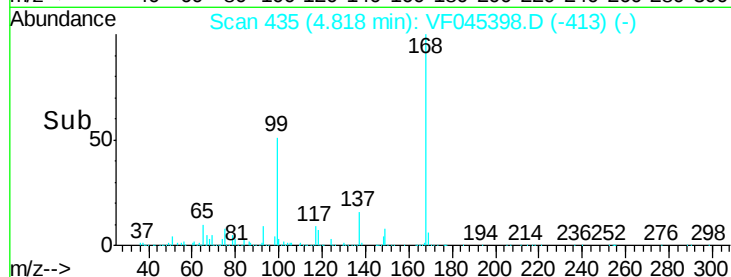
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.71 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.01 min

Lab File: VF045398.D

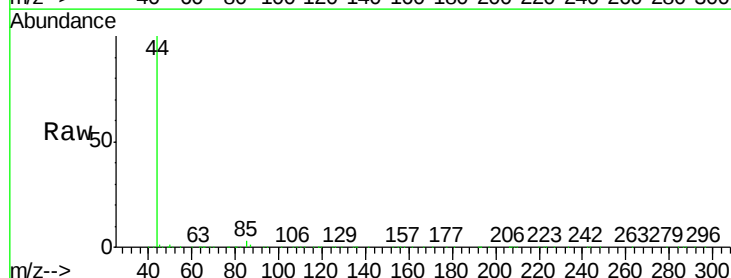
Acq: 16 Sep 2015 19:38

Tgt Ion: 85 Resp: 15946

Ion Ratio Lower Upper

85 100

87 20.4 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

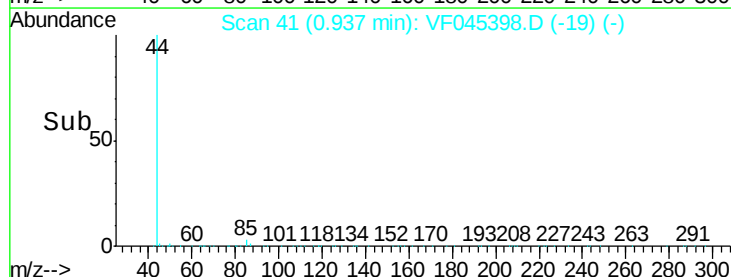
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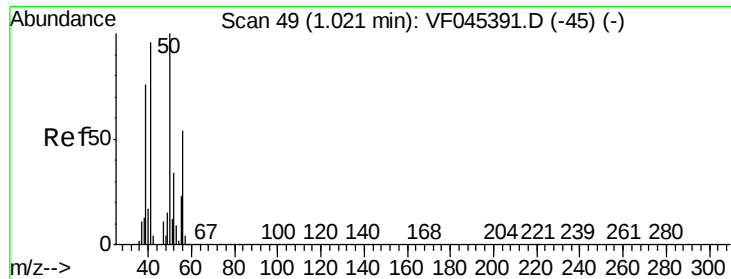
4000

2000

0

Time-->





#3

Chloromethane

Concen: 1.36 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 50 Resp: 10871

Ion Ratio Lower Upper

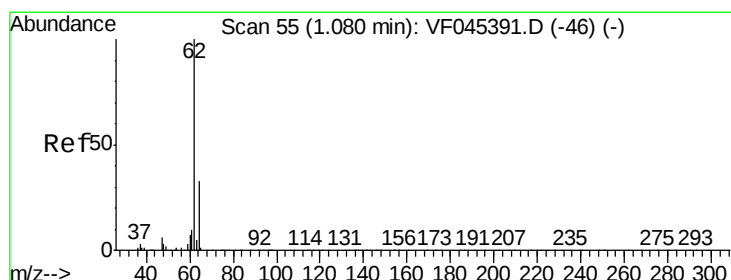
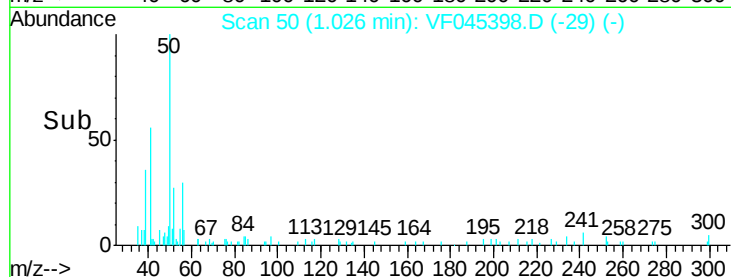
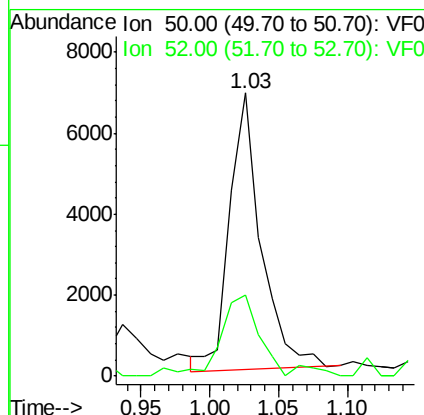
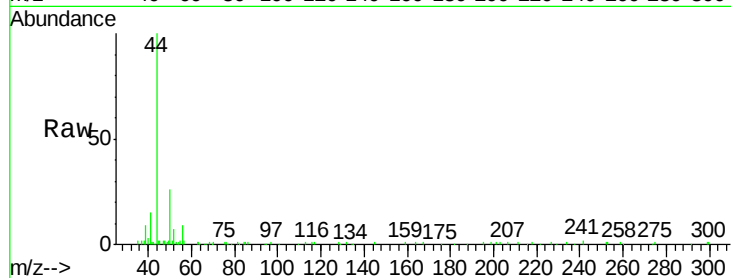
50 100

52 28.5 23.8 35.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 1.35 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF045398.D

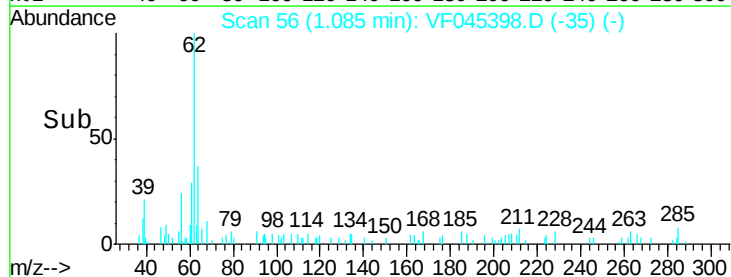
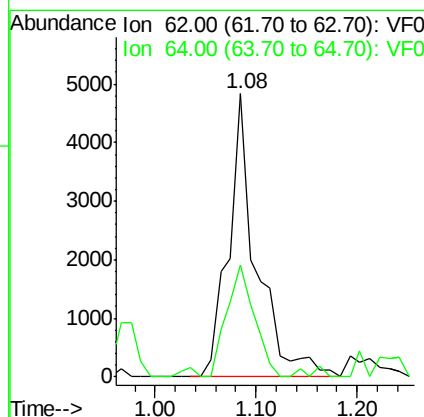
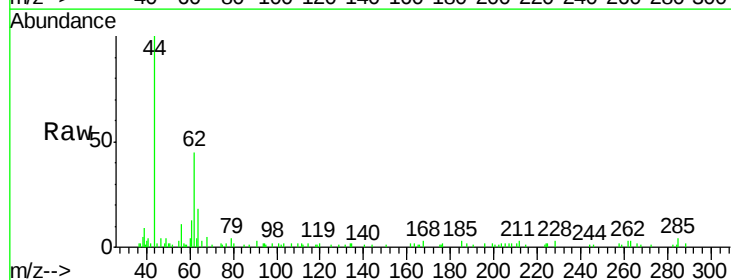
Acq: 16 Sep 2015 19:38

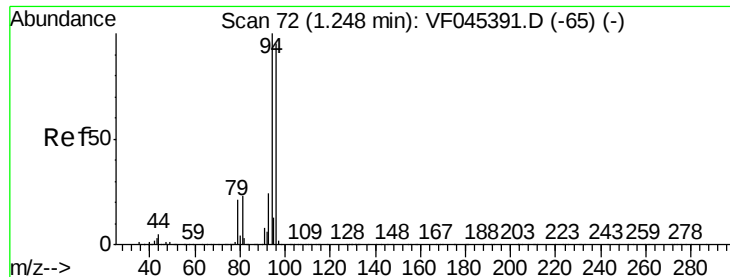
Tgt Ion: 62 Resp: 9208

Ion Ratio Lower Upper

62 100

64 39.4 26.6 39.8





#5

Bromomethane

Concen: 1.45 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 94 Resp: 6151

Ion Ratio Lower Upper

94 100

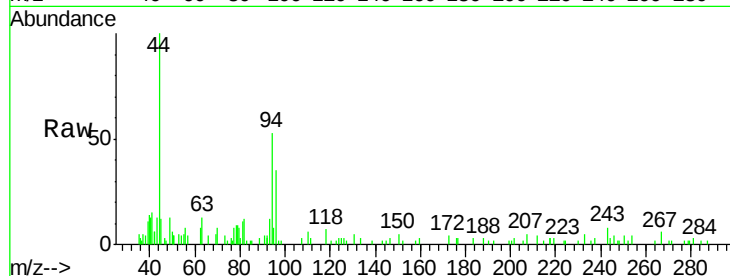
96 66.0 75.0 112.4#

Manual Integrations

APPROVED

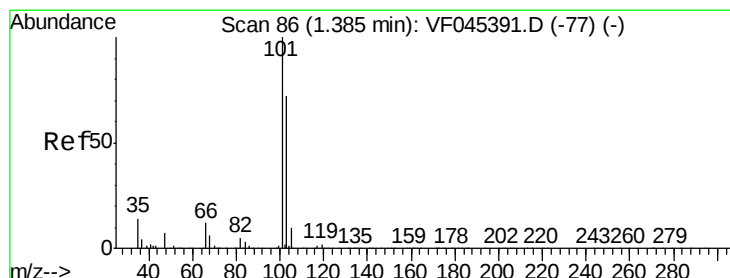
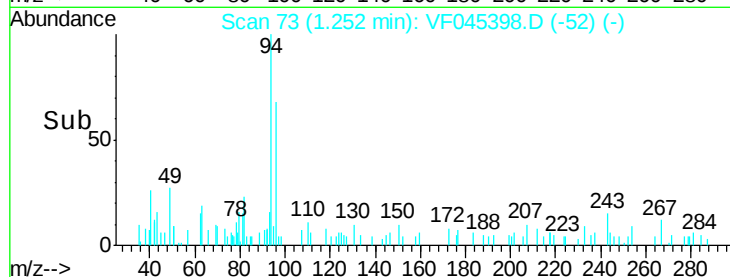
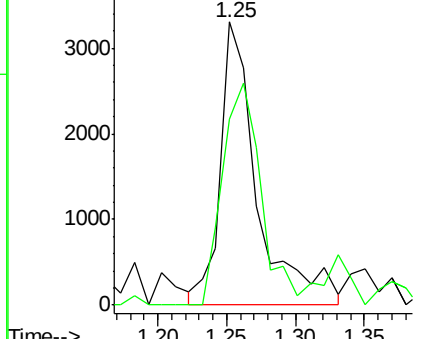
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#7

Trichlorofluoromethane

Concen: 1.48 ug/l m

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF045398.D

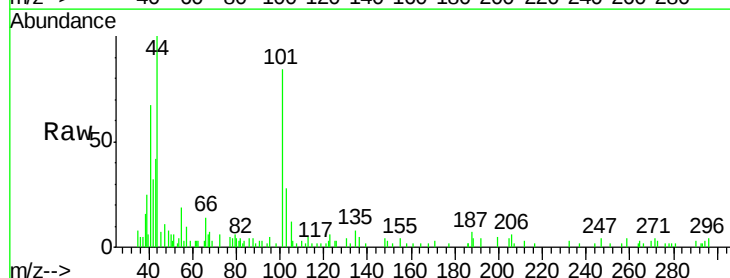
Acq: 16 Sep 2015 19:38

Tgt Ion:101 Resp: 20827

Ion Ratio Lower Upper

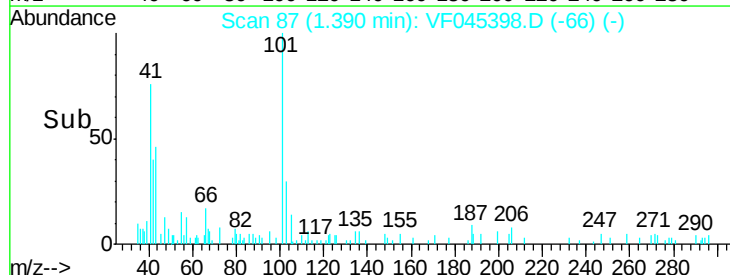
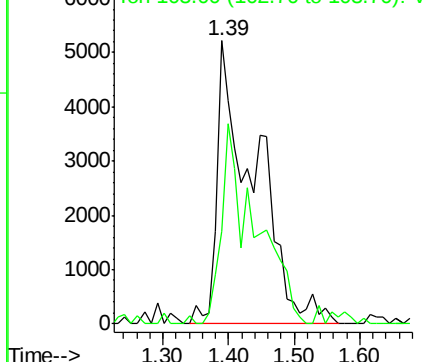
101 100

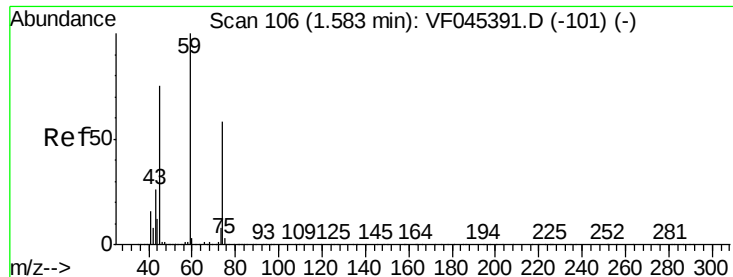
103 32.8 50.8 76.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#8

Diethyl Ether

Concen: 1.34 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 74 Resp: 3930

Ion Ratio Lower Upper

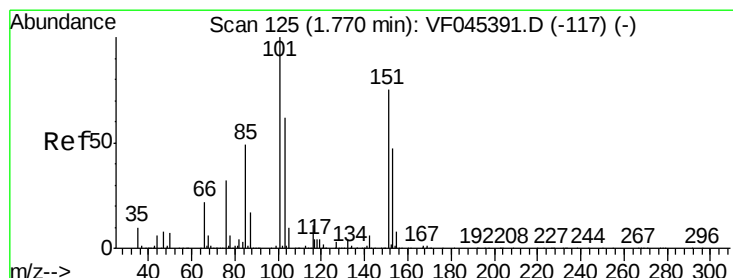
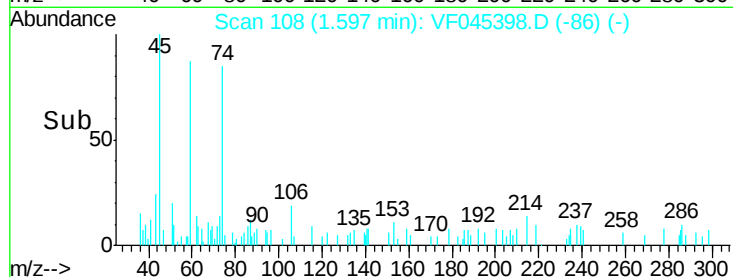
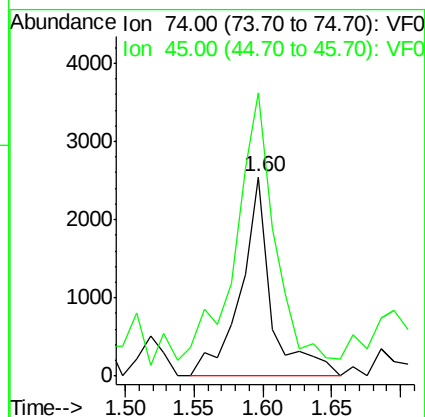
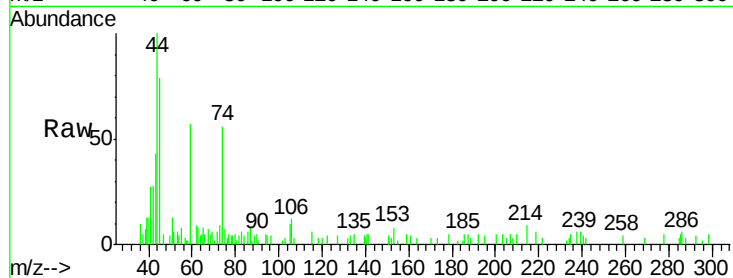
74 100

45 142.1 60.9 182.7

Manual Integrations
APPROVED

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.39 ug/l

RT: 1.78 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

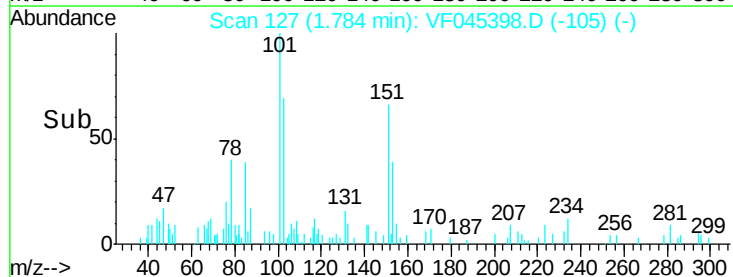
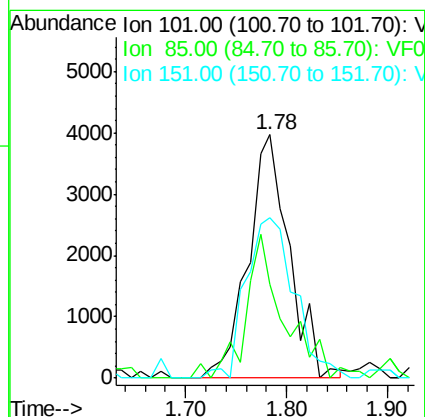
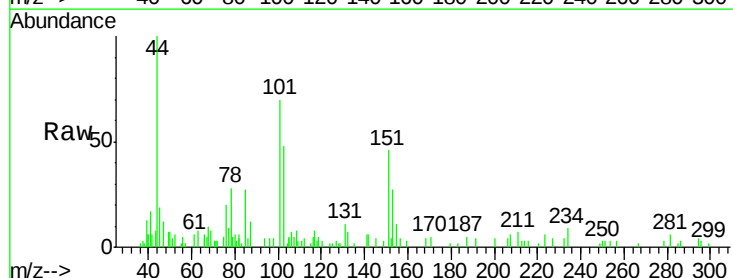
Tgt Ion: 101 Resp: 11264

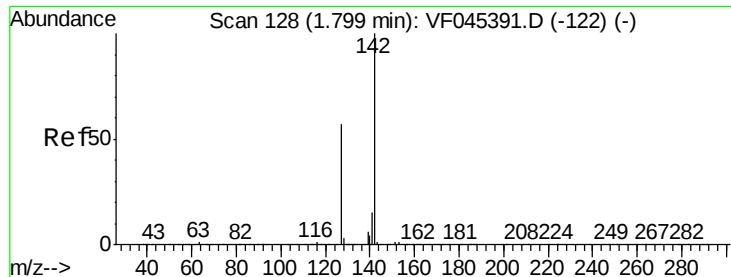
Ion Ratio Lower Upper

101 100

85 38.7 40.0 60.0#

151 65.7 62.8 94.2





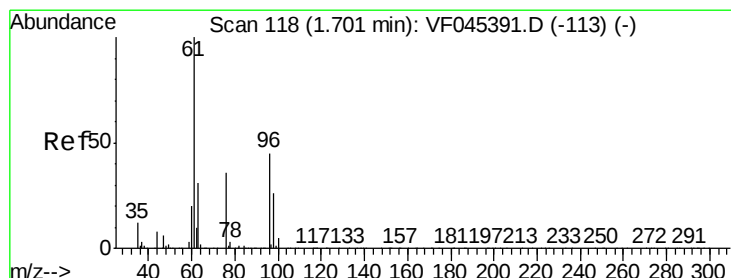
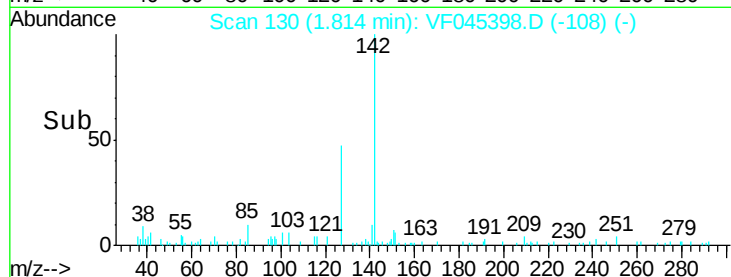
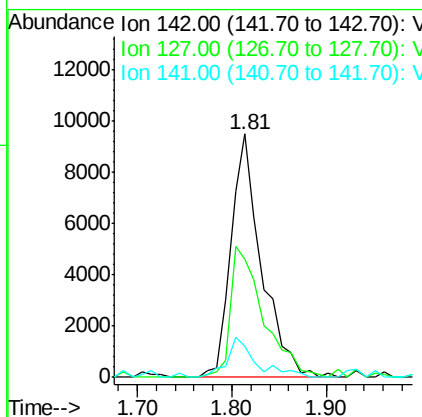
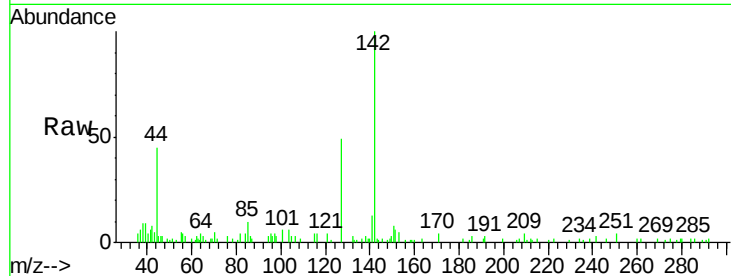
#10
Methvl Iodide
Concen: 1.28 ug/l
RT: 1.81 min Scan# 130
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
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Tot Ion:	142	Resp:	21223
Ion Ratio	Lower	Upper	
142	100		
127	48.8	43.3	64.9
141	12.8	12.1	18.1

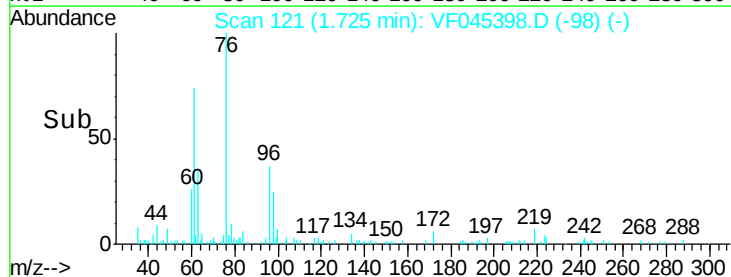
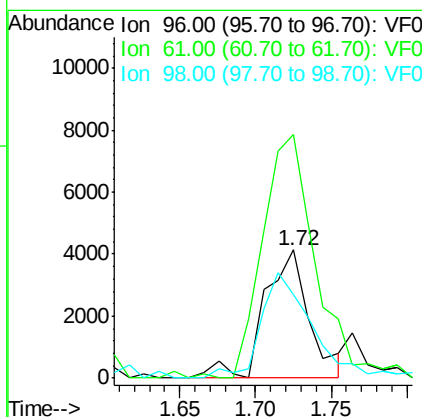
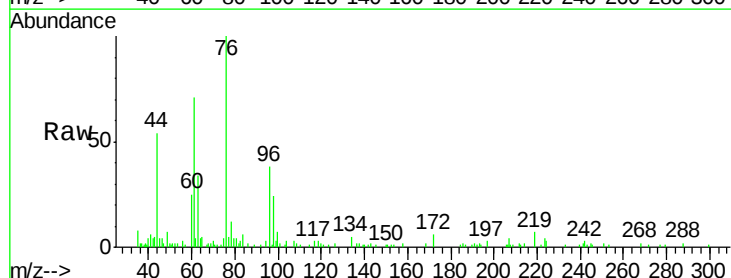
Manual Integrations
APPROVED

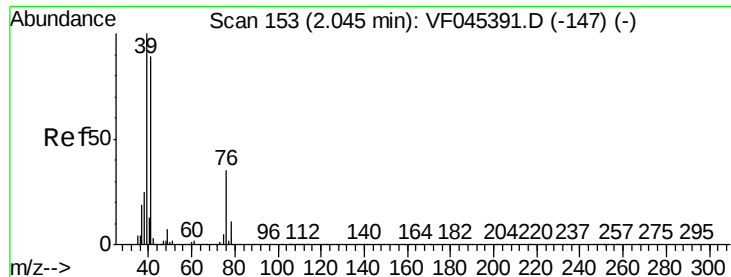
MMDadoda
9/17/2015 12:51:27 PM



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

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





#14

Allvl chloride

Concen: 1.11 ug/l m

RT: 2.06 min Scan# 155

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

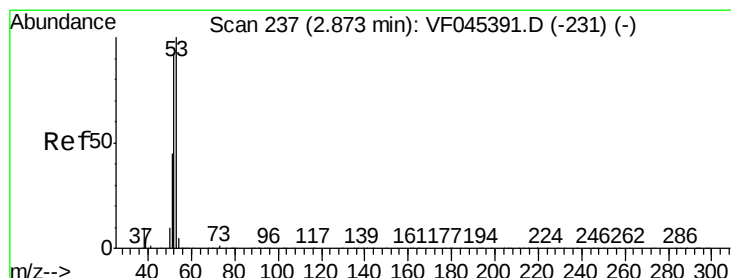
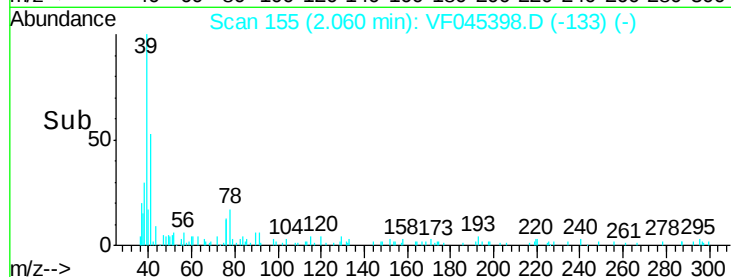
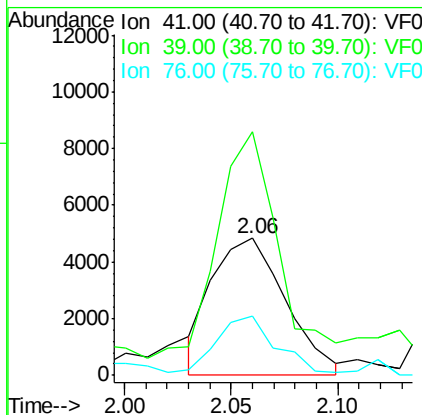
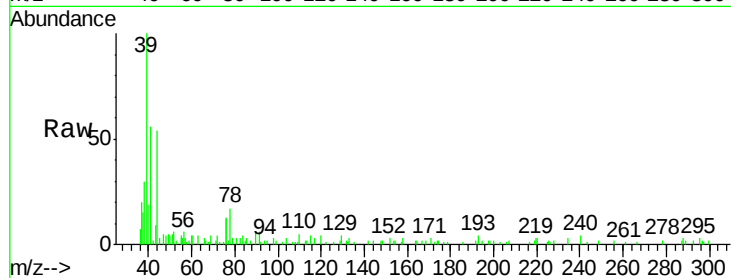
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	41	Resp:	11577
Ion Ratio		Lower	Upper
41	100		
39	177.4	92.8	139.2#
76	22.5	27.7	41.5#

Manual Integrations
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MMDadoda
9/17/2015 12:51:27 PM



#15

Acrylonitrile

Concen: 6.15 ug/l

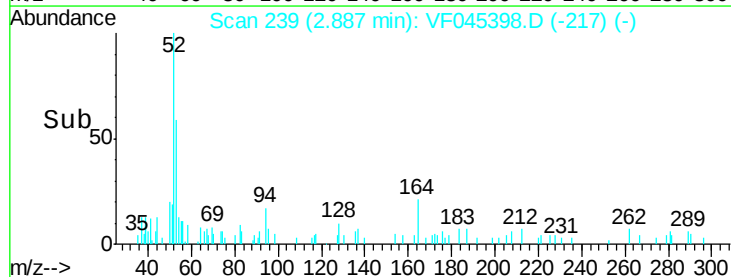
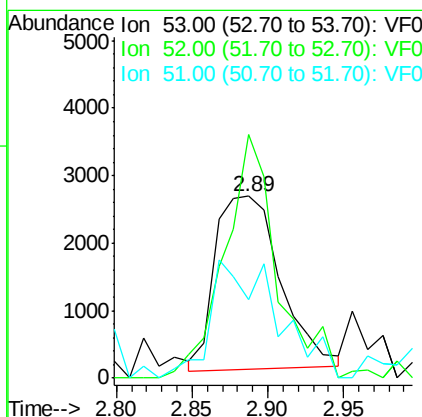
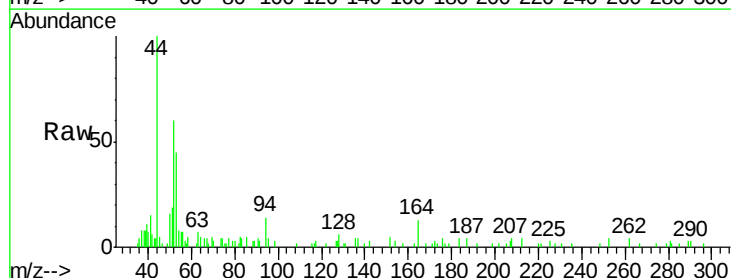
RT: 2.89 min Scan# 239

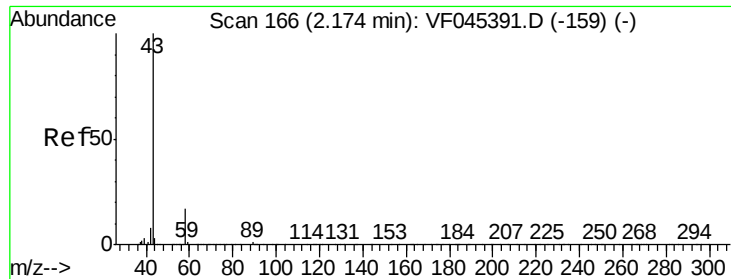
Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

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





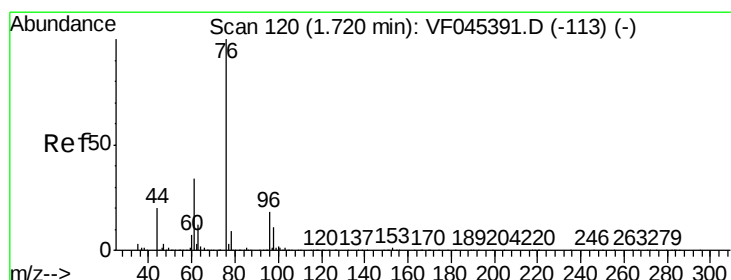
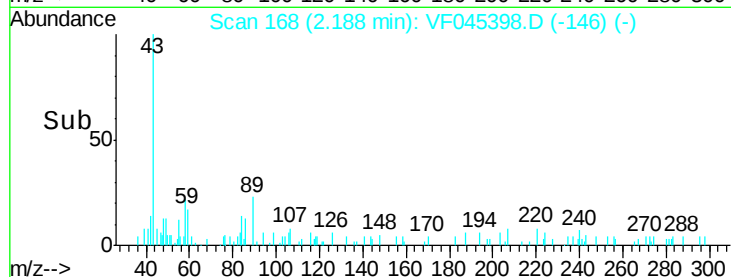
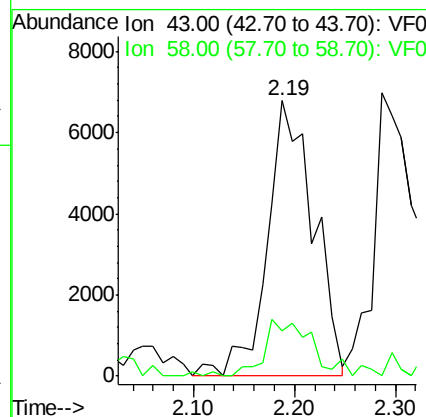
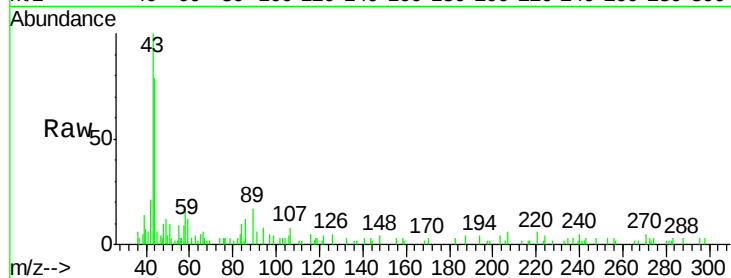
#16
Acetone
Concen: 8.10 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
43	100		
58	16.3	13.9	20.9

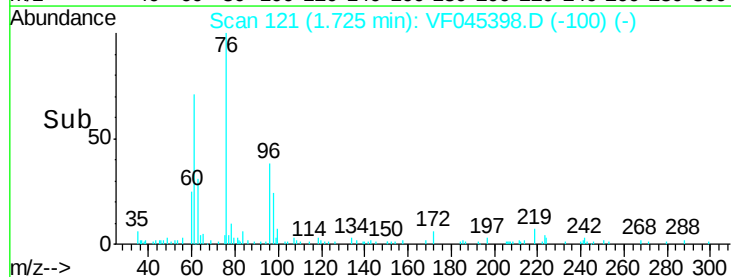
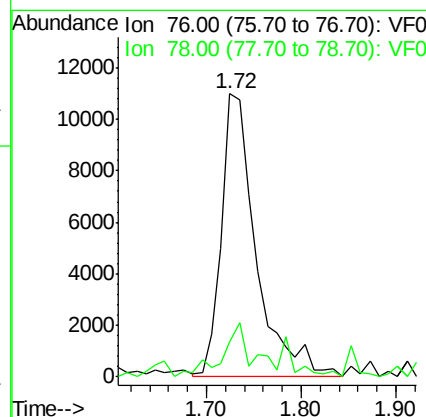
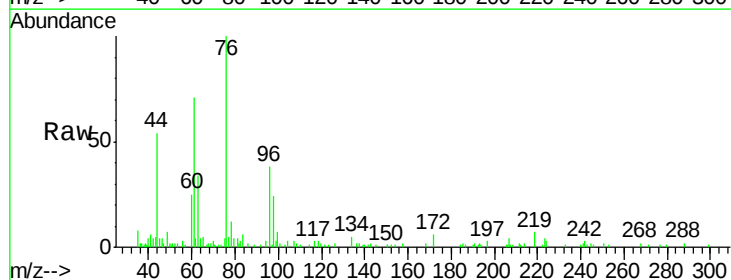
Manual Integrations
APPROVED

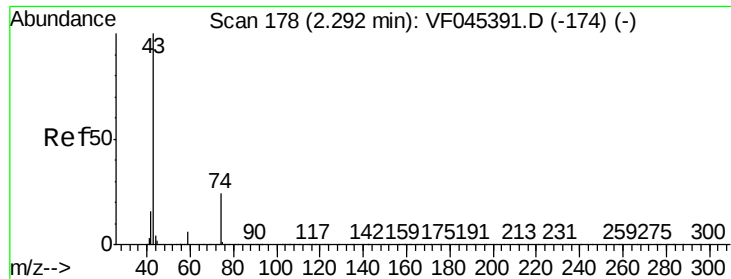
MMDadoda
9/17/2015 12:51:27 PM



#17
Carbon Disulfide
Concen: 1.23 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Lower	Upper
76	100		
78	12.3	7.6	11.4#





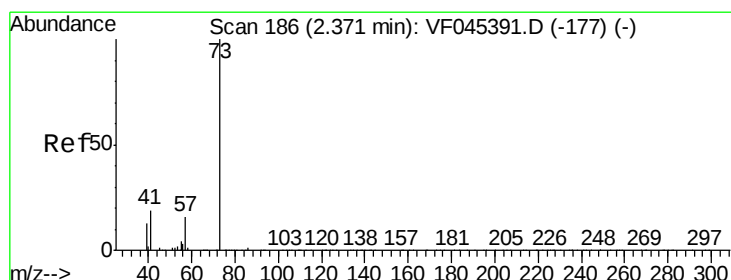
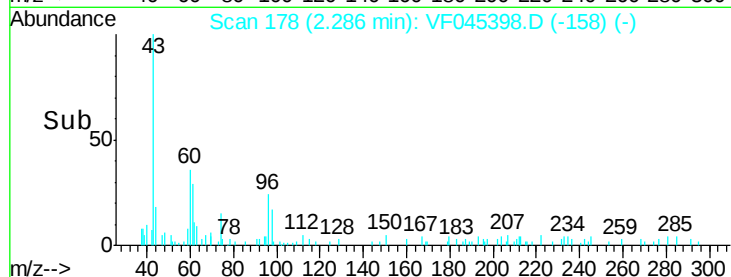
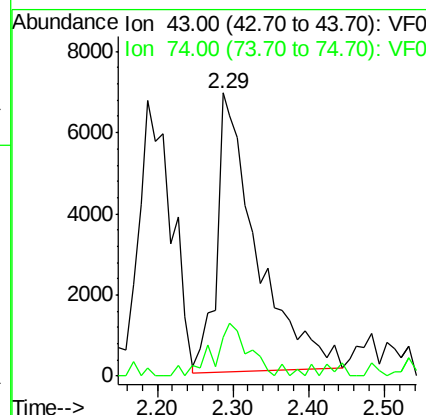
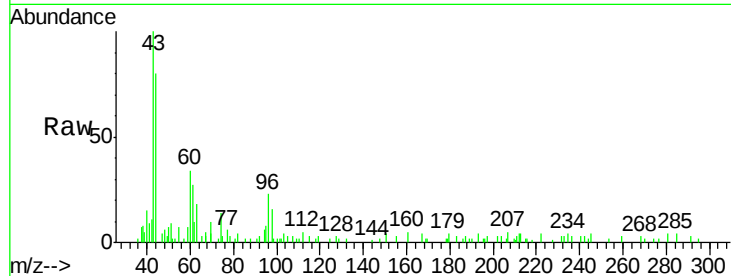
#18
Methyl Acetate
Concen: 2.48 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ion	Ratio	Lower	Upper
43.00	43	100		
74.00	74	13.9	15.1	22.7#

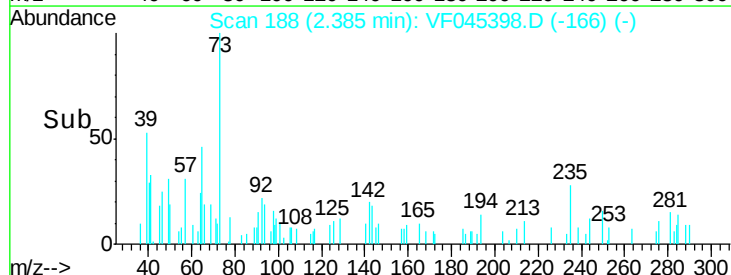
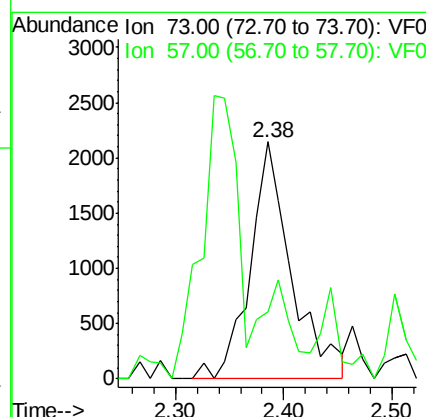
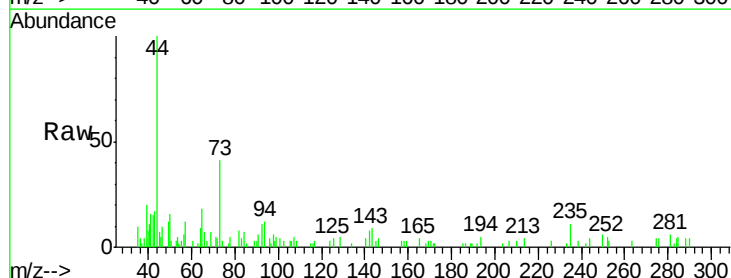
Manual Integrations
APPROVED

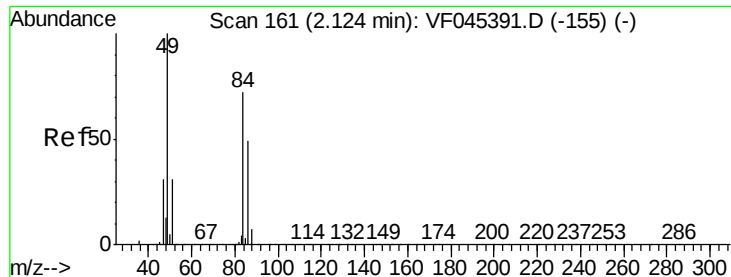
MMDadoda
9/17/2015 12:51:27 PM



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

Tgt Ion	Ion	Ratio	Lower	Upper
73.00	73	100		
57.00	57	28.5	12.9	19.3#





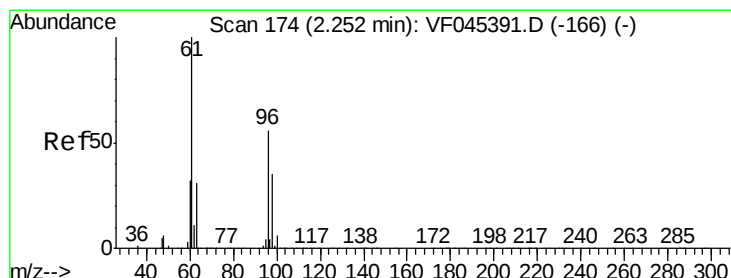
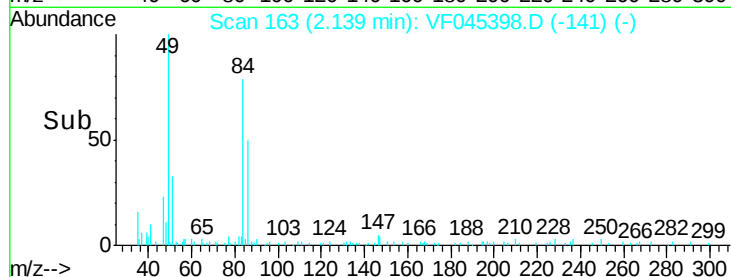
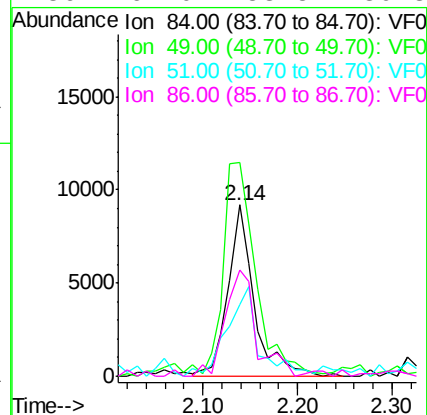
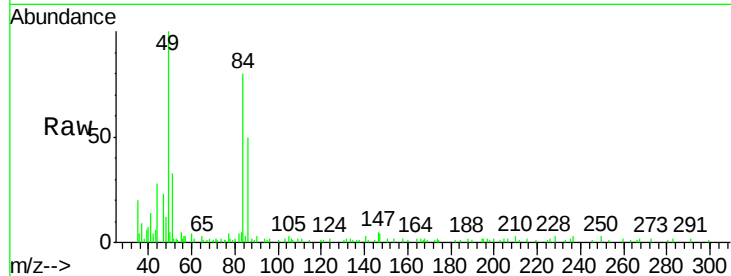
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.14 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

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

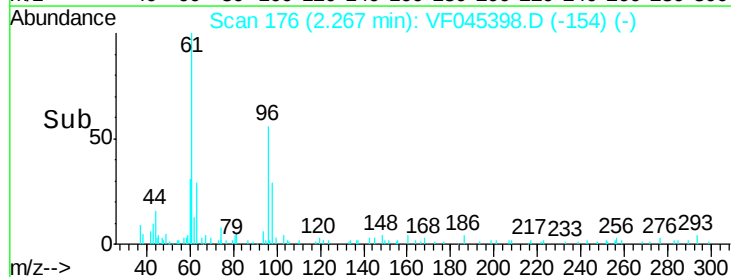
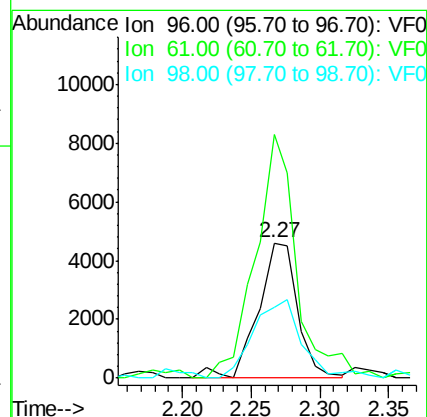
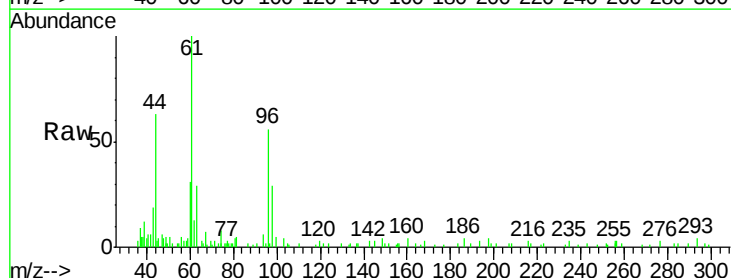
Manual Integrations
APPROVED

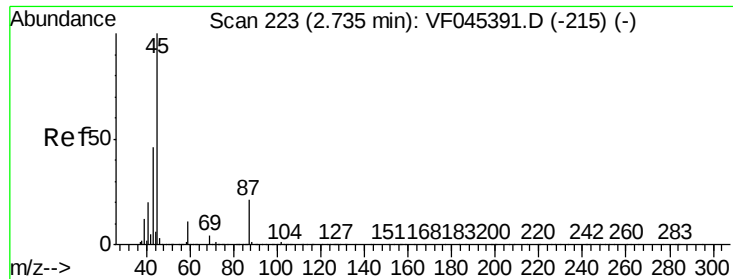
MMDadoda
9/17/2015 12:51:27 PM



#21
trans-1,2-Dichloroethene
Concen: 1.23 ug/l
RT: 2.27 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion:	96	Resp:	9217
Ion	Ratio	Lower	Upper
96	100		
61	180.1	136.8	205.2
98	52.6	51.0	76.4





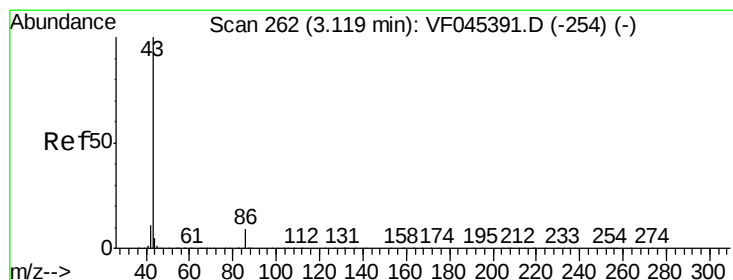
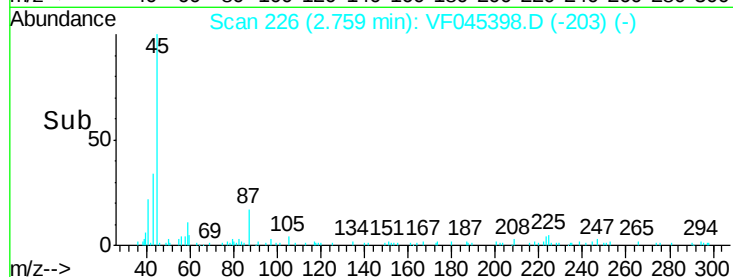
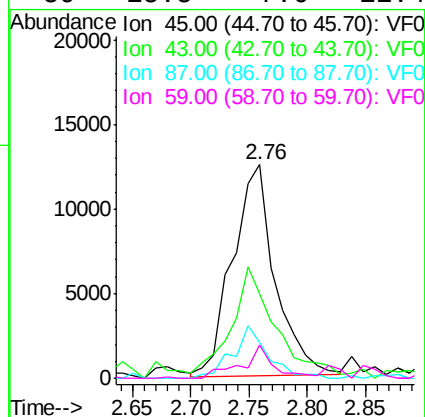
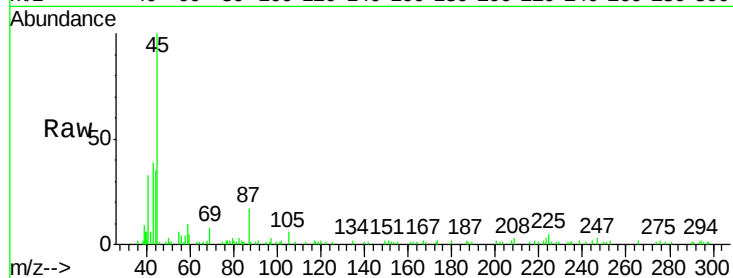
#22
Diisopropyl ether
Concen: 1.44 ug/l
RT: 2.76 min Scan# 226
Delta R.T. 0.02 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
45	100		
43	39.3	42.2	63.4#
87	16.7	16.6	25.0
59	15.5	7.6	11.4#

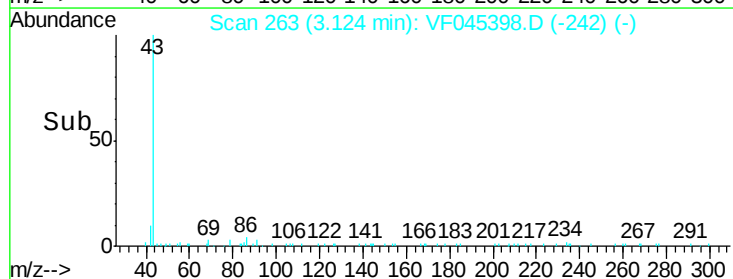
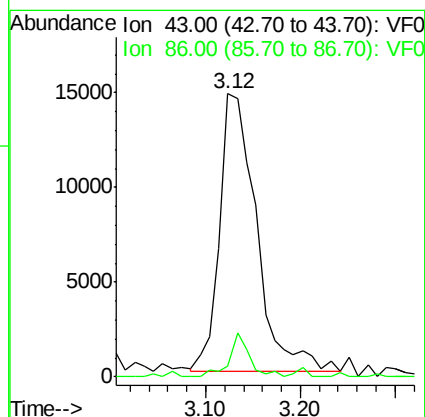
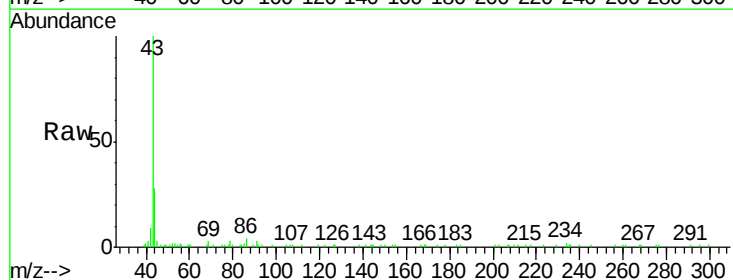
Manual Integrations
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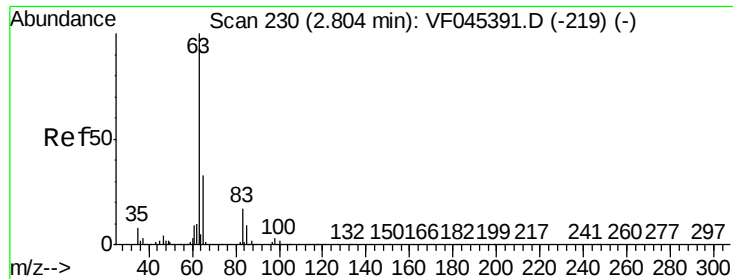
MMDadoda
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#23
Vinyl Acetate
Concen: 6.16 ug/l
RT: 3.12 min Scan# 263
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Lower	Upper
43	100		
86	4.0	6.3	9.5#





#24

1,1-Dichloroethane

Concen: 1.32 ug/l

RT: 2.83 min Scan# 233

Delta R.T. 0.02 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

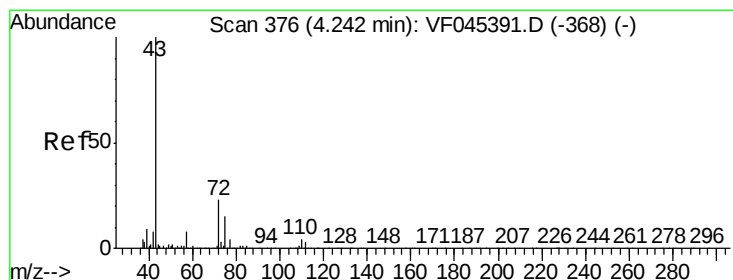
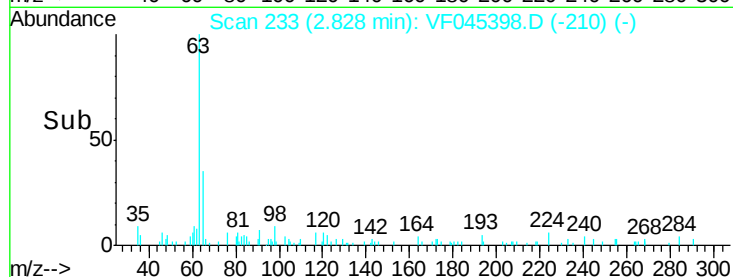
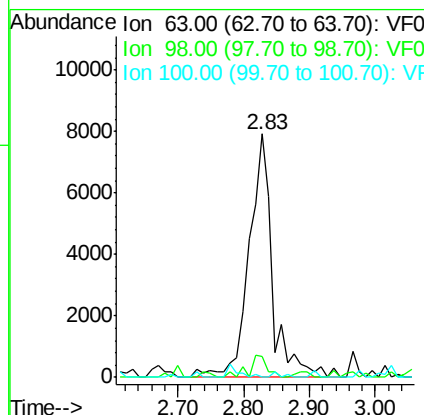
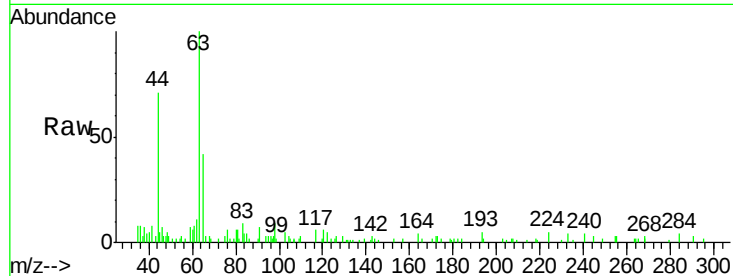
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	63	Resp:	19868
Ion Ratio	Lower	Upper	
63	100		
98	8.8	2.2	6.6#
100	0.0	1.1	3.5#

Manual Integrations
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9/17/2015 12:51:27 PM



#25

2-Butanone

Concen: 6.70 ug/l

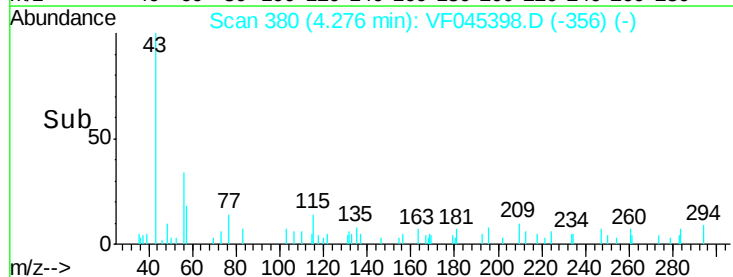
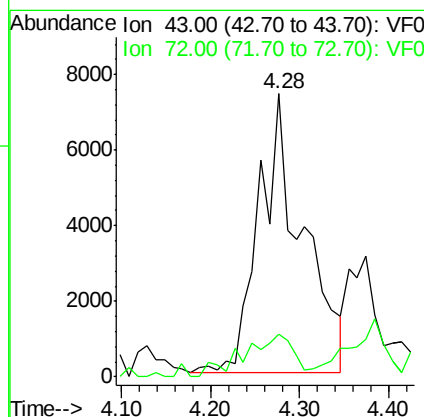
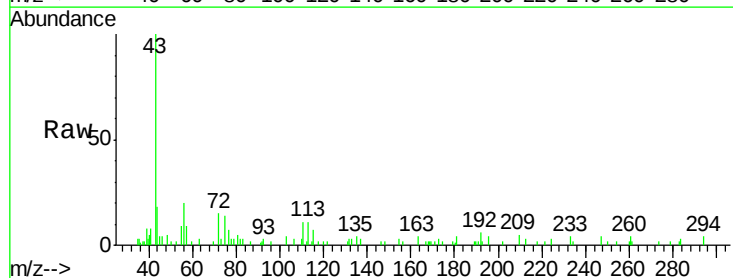
RT: 4.28 min Scan# 380

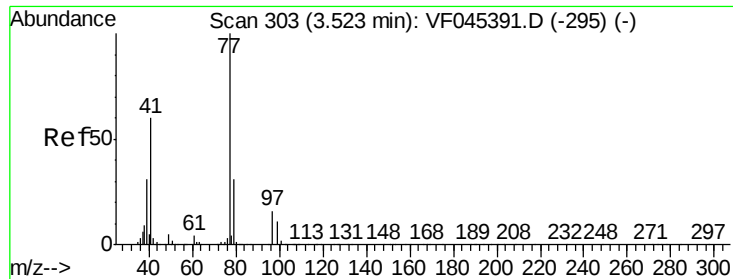
Delta R.T. 0.03 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:	43	Resp:	25014
Ion Ratio	Lower	Upper	
43	100		
72	14.9	20.2	30.2#





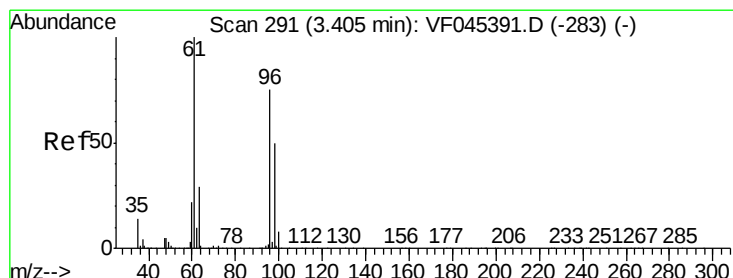
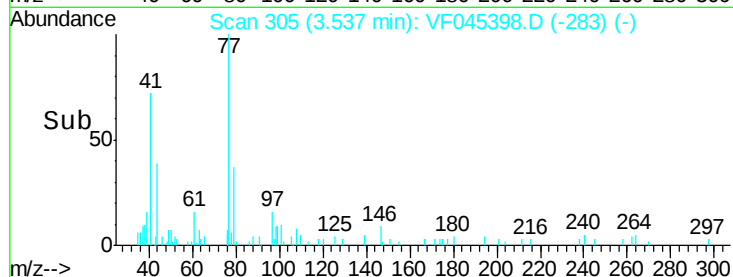
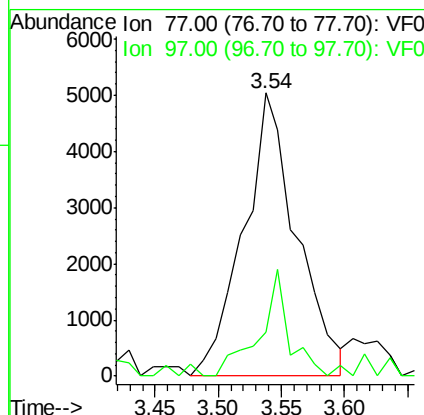
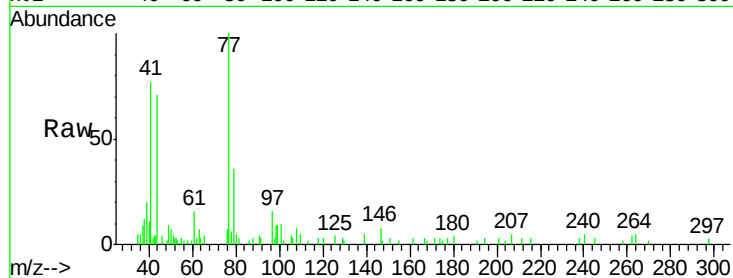
#26
 2,2-Dichloropropane
 Concen: 1.06 ug/l
 RT: 3.54 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
77	100		
97	15.7	9.2	27.4

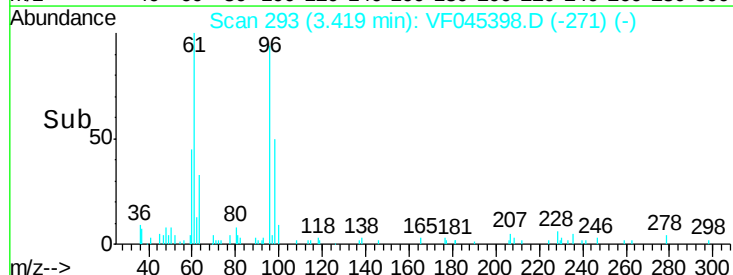
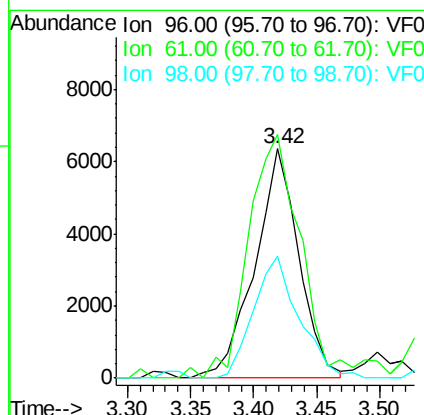
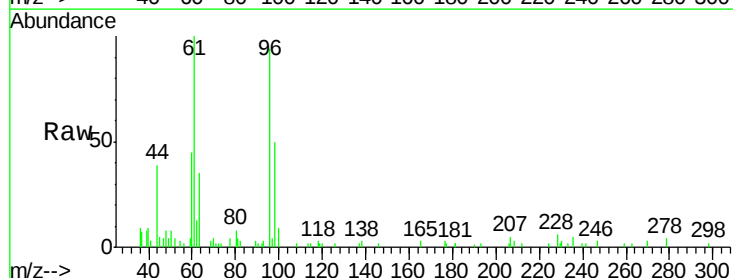
Manual Integrations
 APPROVED

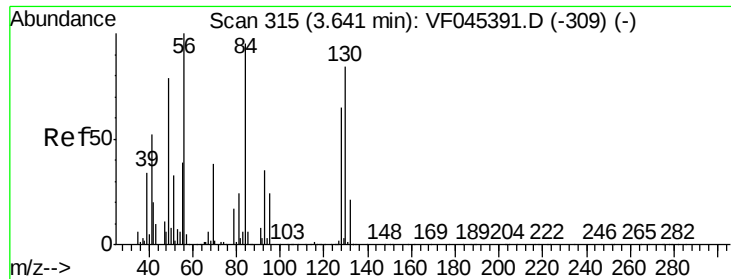
MMDadoda
 9/17/2015 12:51:27 PM



#27
 cis-1,2-Dichloroethene
 Concen: 1.33 ug/l
 RT: 3.42 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

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





#28

Bromochloromethane

Concen: 1.38 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

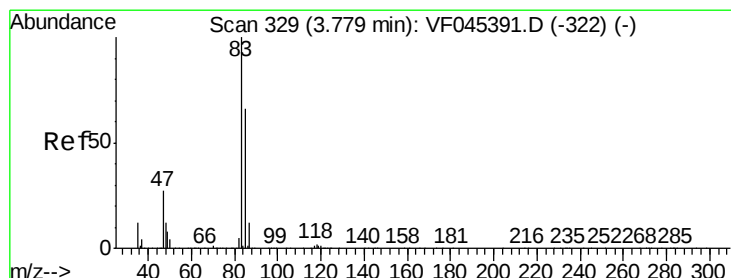
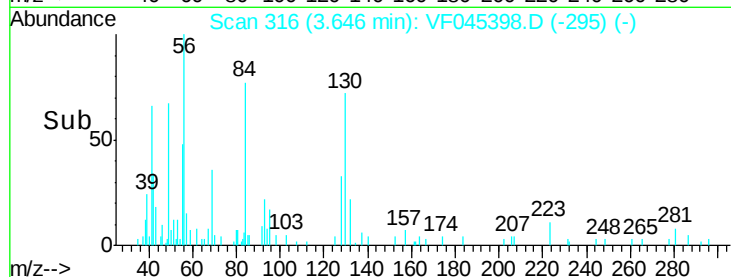
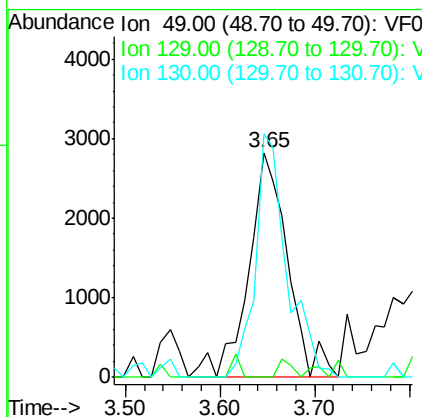
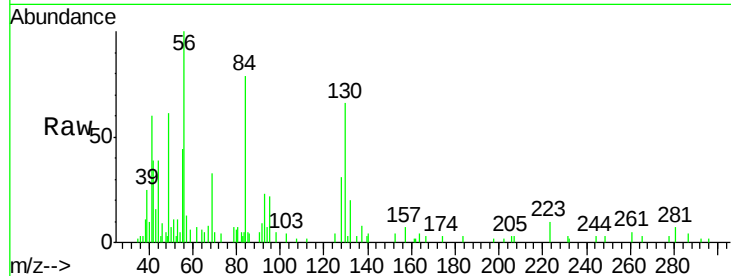
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	49	Resp:	8127
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	108.5	79.6	119.4

Manual Integrations
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9/17/2015 12:51:27 PM



#29

Chloroform

Concen: 1.26 ug/l

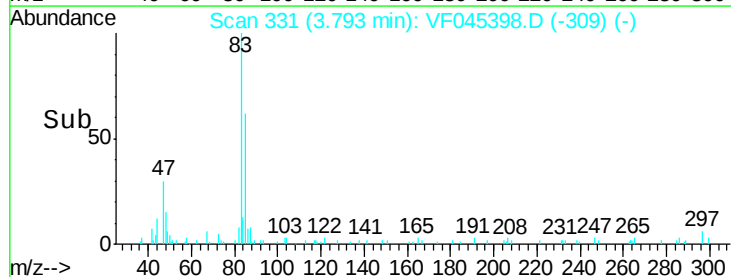
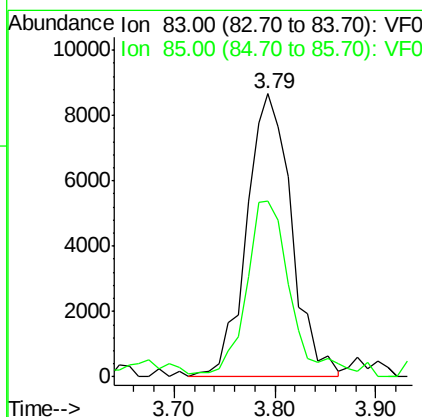
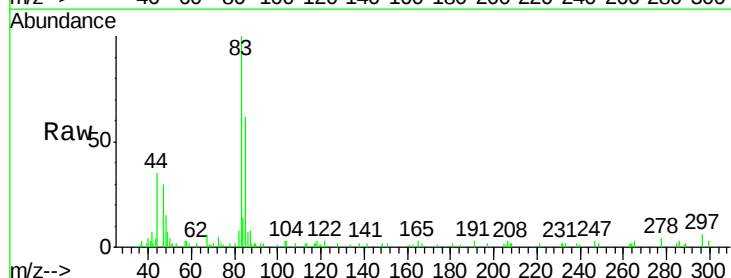
RT: 3.79 min Scan# 331

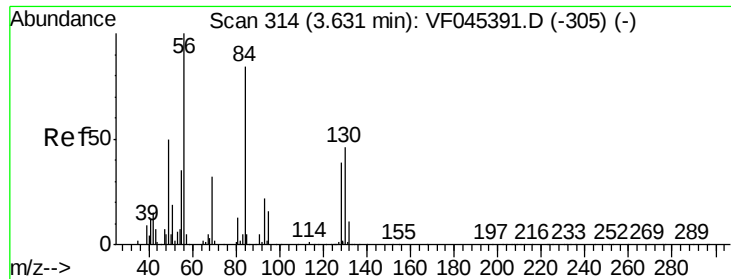
Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:	83	Resp:	26703
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.6	77.4





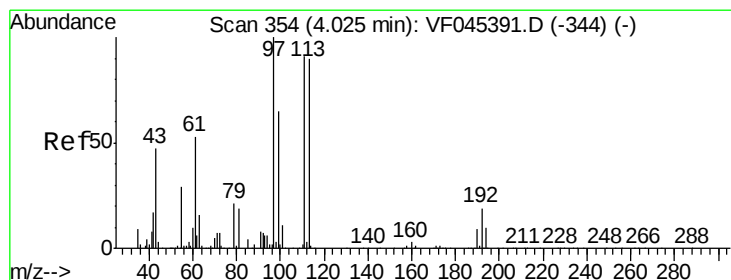
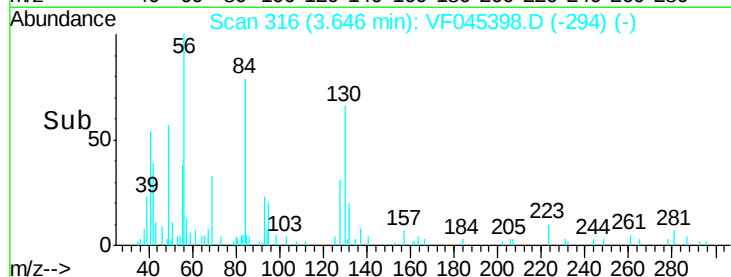
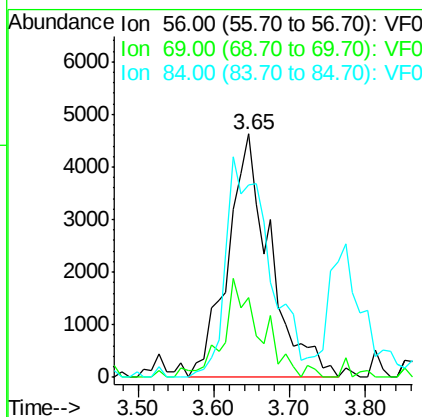
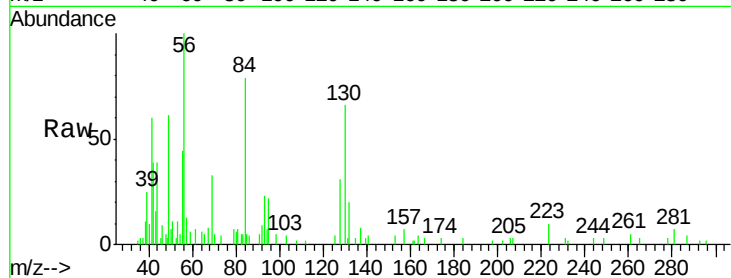
#30
Cyclohexane
Concen: 1.33 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	56	Resp	18047
Ion Ratio	Lower	Upper	
56	100		
69	32.8	26.1	39.1
84	79.1	72.2	108.4

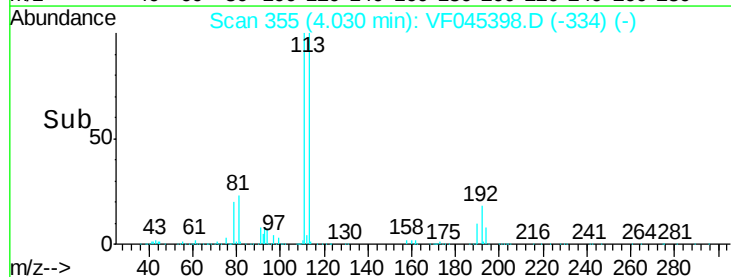
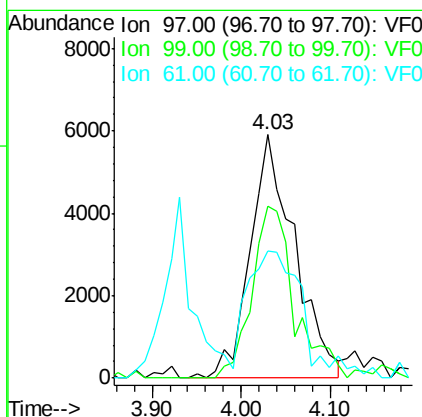
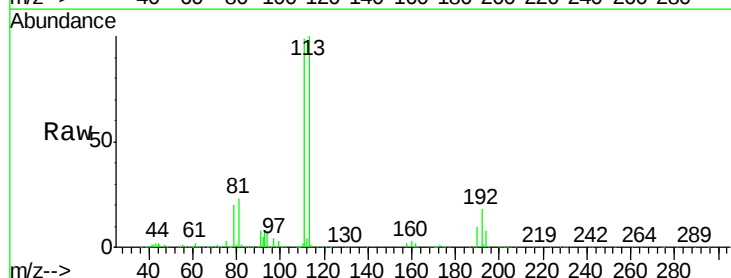
Manual Integrations
APPROVED

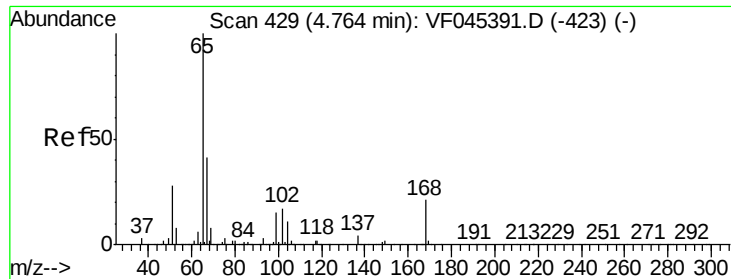
MMDadoda
9/17/2015 12:51:27 PM



#31
1,1,1-Trichloroethane
Concen: 1.17 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	97	Resp	20379
Ion Ratio	Lower	Upper	
97	100		
99	70.7	51.1	76.7
61	56.4	37.8	56.6





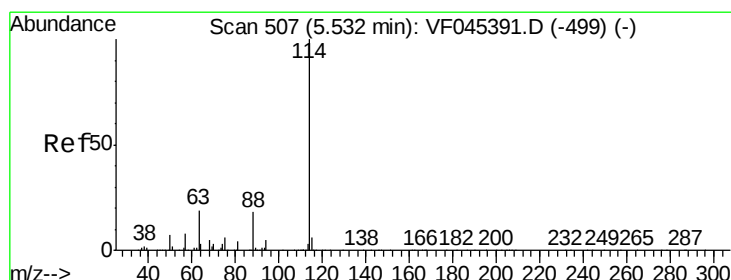
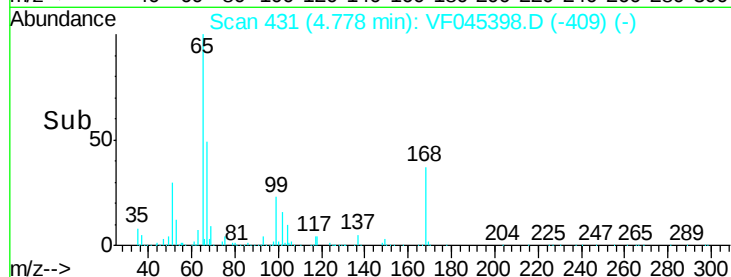
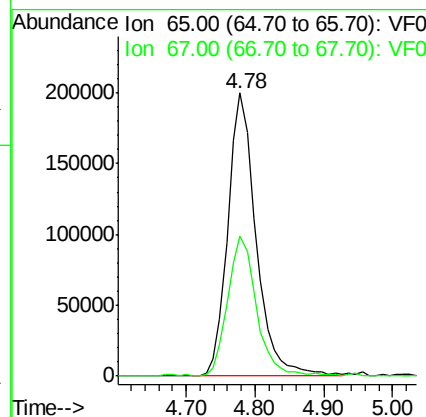
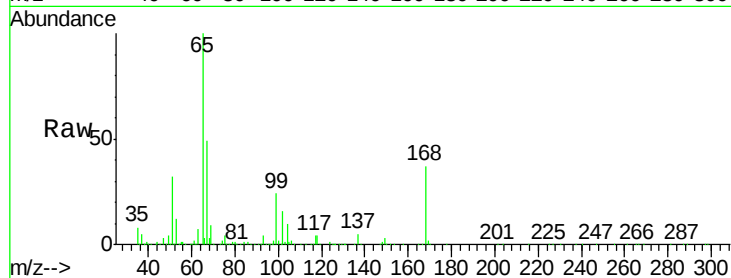
#32
 1,2-Dichloroethane-d4
 Concen: 48.44 ug/l
 RT: 4.78 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	569465		
67	49.4	0.0	102.2	

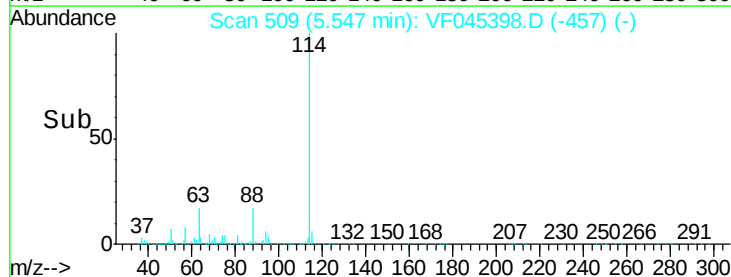
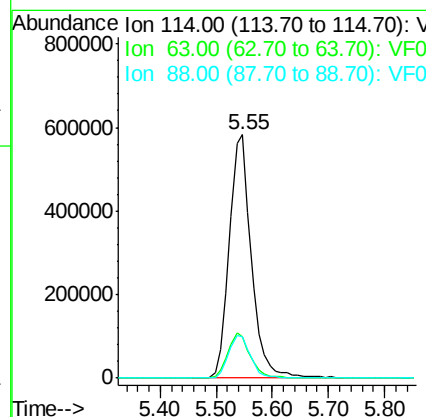
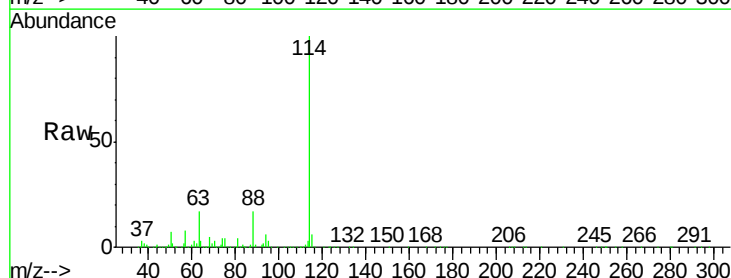
Manual Integrations
 APPROVED

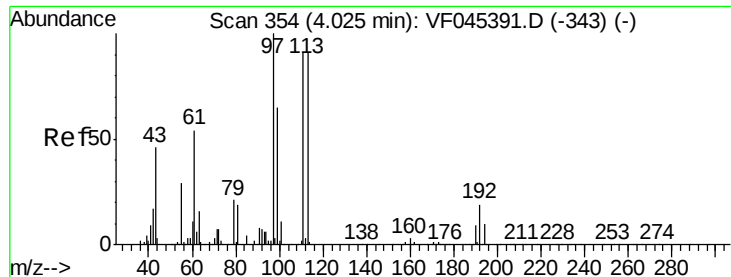
MMDadoda
 9/17/2015 12:51:27 PM



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

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





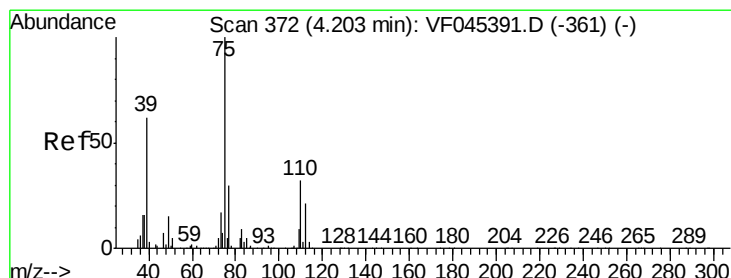
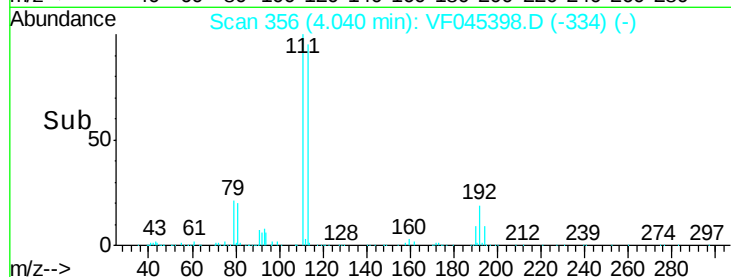
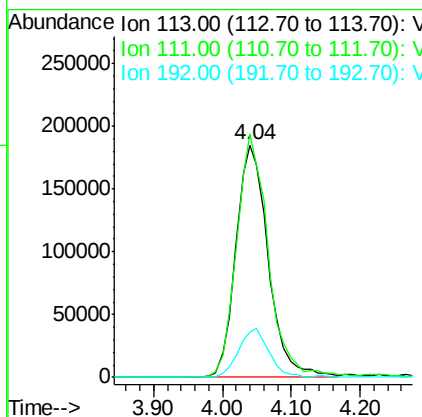
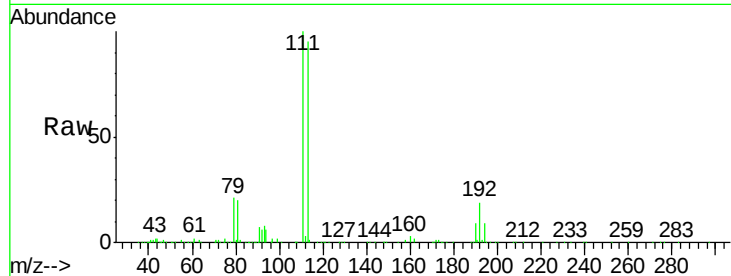
#34
Dibromofluoromethane
Concen: 48.60 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

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

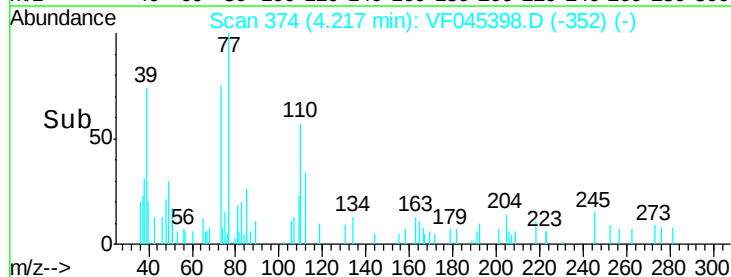
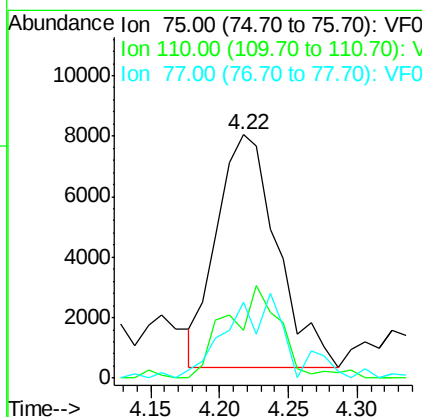
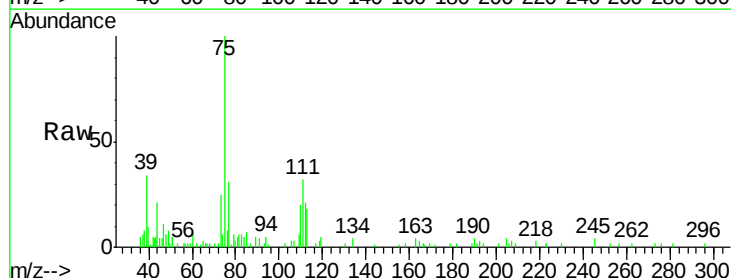
Manual Integrations
APPROVED

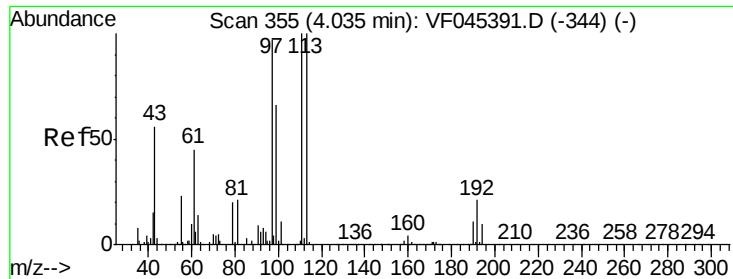
MMDadoda
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#35
1,1-Dichloropropene
Concen: 1.55 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23446		
110	19.6		15.9	47.6
77	31.2		24.2	36.4





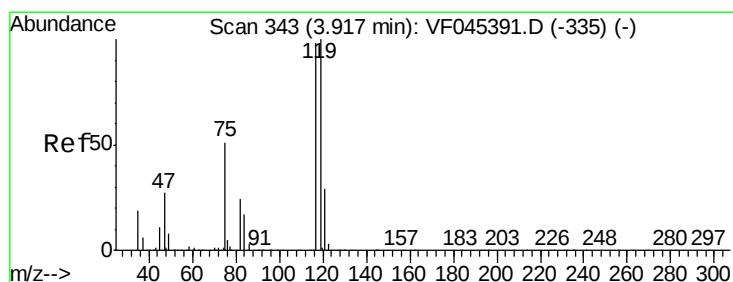
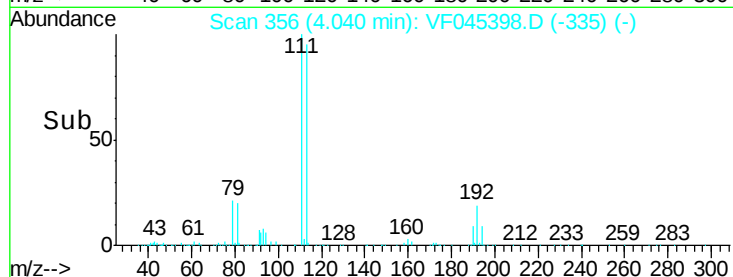
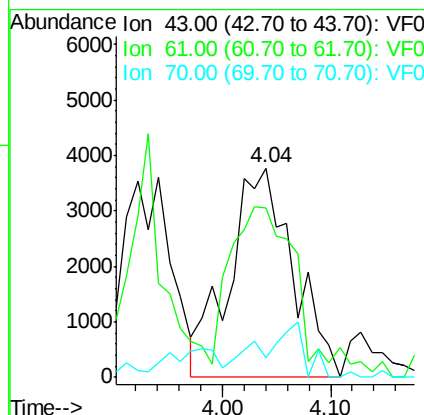
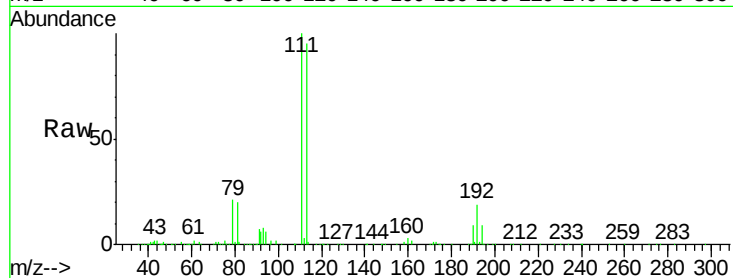
#36
Ethyl Acetate
Concen: 2.02 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
43	100		
61	81.0	49.4	74.0#
70	9.1	10.8	16.2#

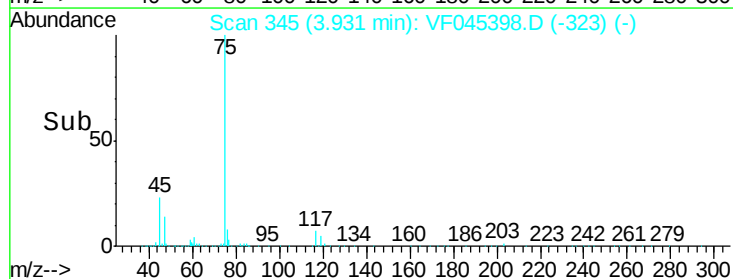
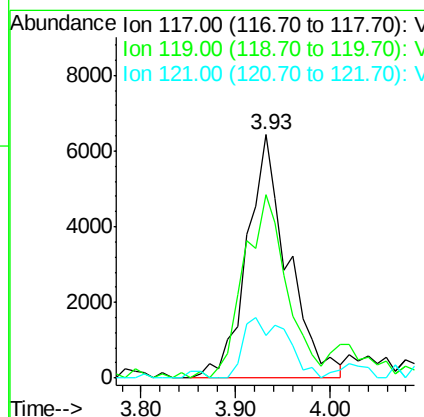
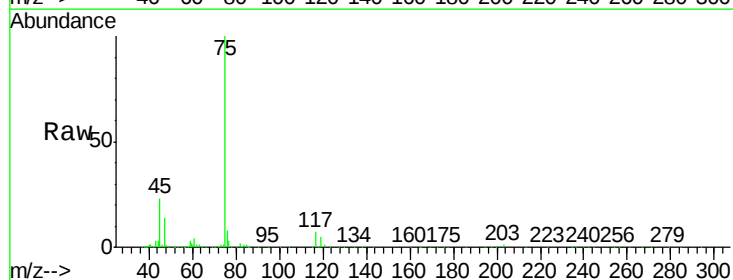
Manual Integrations
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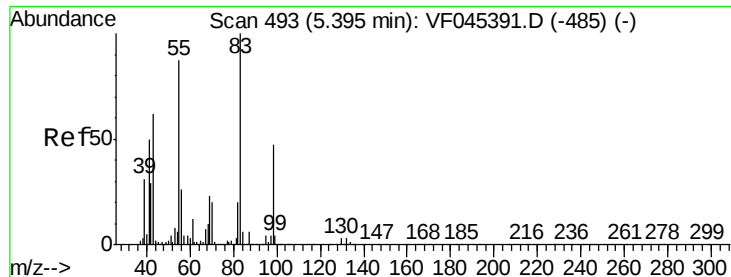
MMDadoda
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#37
Carbon Tetrachloride
Concen: 1.21 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	75.6	77.8	116.8#
121	17.4	25.4	38.0#





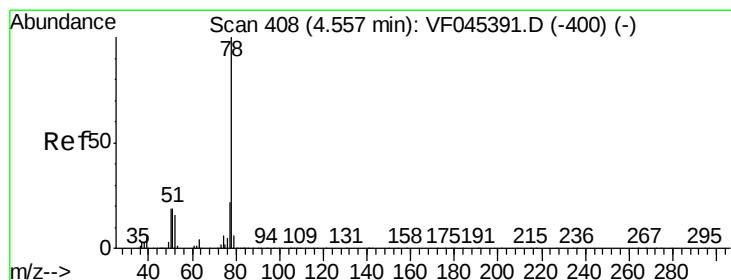
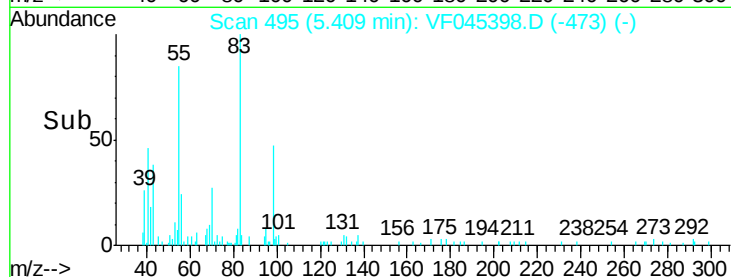
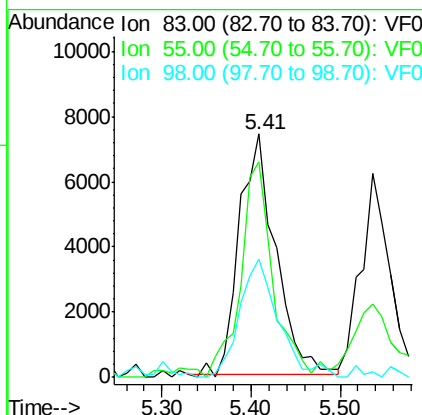
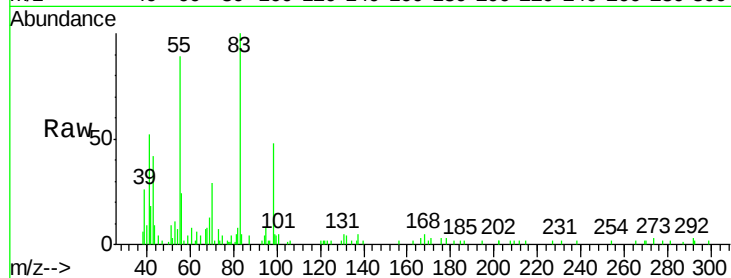
#38
Methvlcvclohexane
Concen: 1.27 ug/l
RT: 5.41 min Scan# 495
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	60.5	90.7
98	48.3	38.1	57.1

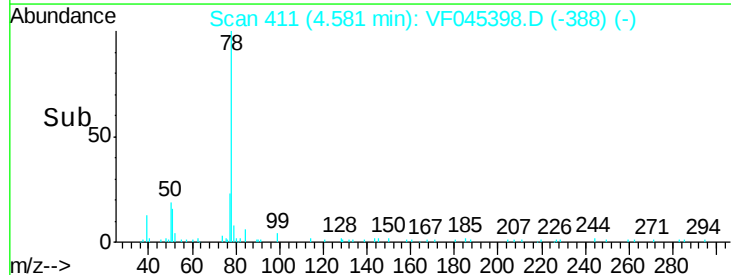
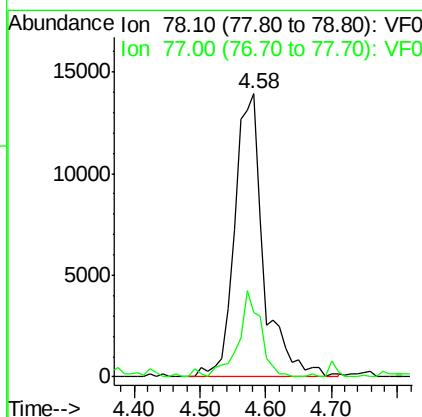
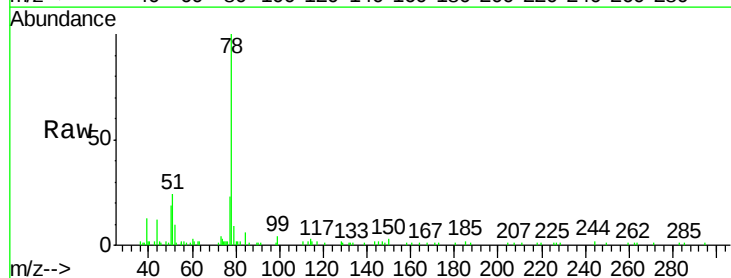
Manual Integrations
APPROVED

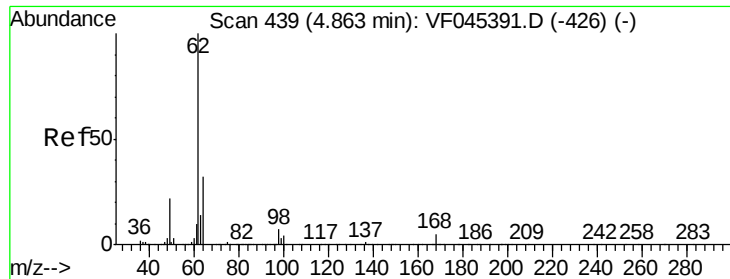
MMDadoda
9/17/2015 12:51:27 PM



#39
Benzene
Concen: 1.21 ug/l
RT: 4.58 min Scan# 411
Delta R.T. 0.02 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	28.0





#41

1,2-Dichloroethane

Concen: 1.21 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.02 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 62 Resp: 17327

Ion Ratio Lower Upper

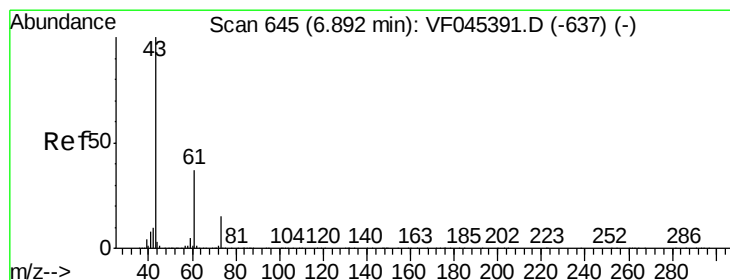
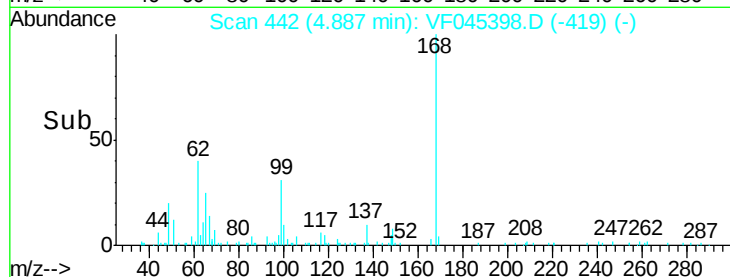
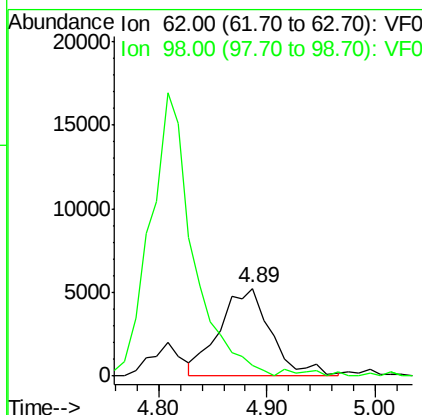
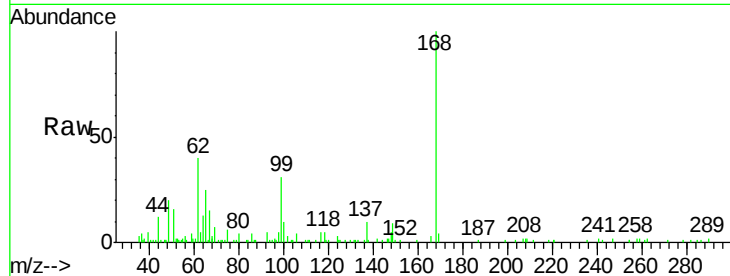
62 100

98 11.7 0.0 17.0

Manual Integrations
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#42

Isopropyl Acetate

Concen: 1.67 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

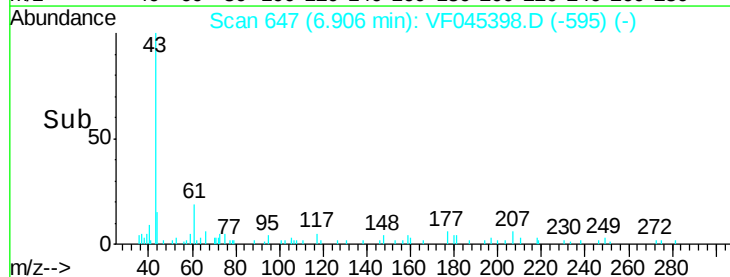
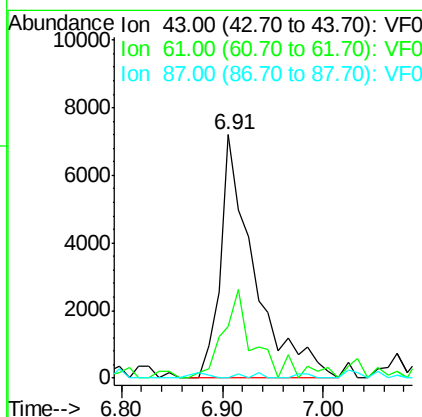
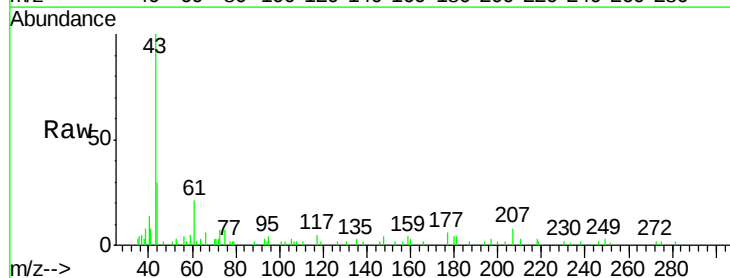
Tgt Ion: 43 Resp: 16795

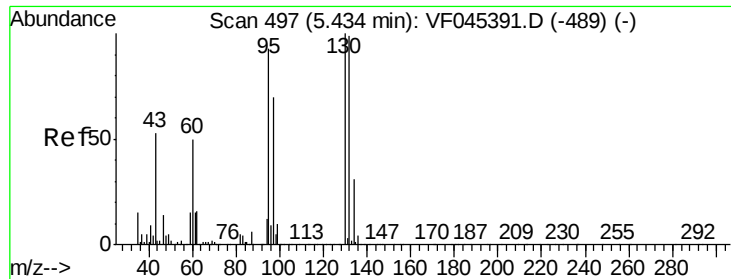
Ion Ratio Lower Upper

43 100

61 21.4 29.8 44.6#

87 0.0 0.2 0.2#





#43

Trichloroethene

Concen: 1.30 ug/l

RT: 5.45 min Scan# 499

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:130 Resp: 15758

Ion Ratio Lower Upper

130 100

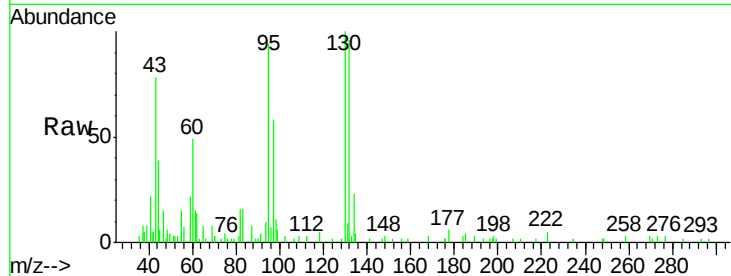
95 93.6 0.0 192.2

Manual Integrations

APPROVED

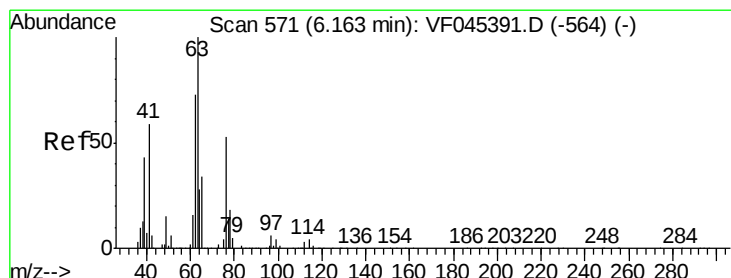
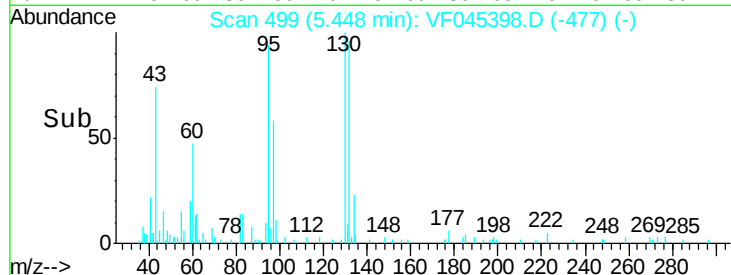
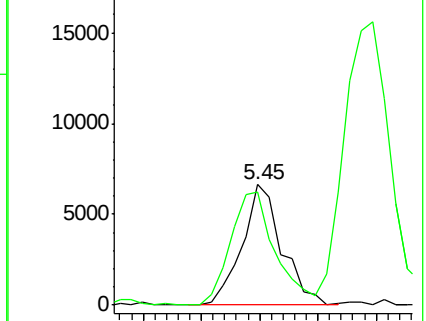
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#44

1,2-Dichloropropane

Concen: 1.34 ug/l

RT: 6.18 min Scan# 573

Delta R.T. 0.01 min

Lab File: VF045398.D

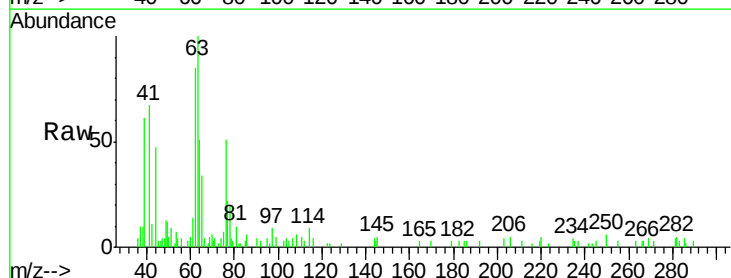
Acq: 16 Sep 2015 19:38

Tgt Ion: 63 Resp: 13799

Ion Ratio Lower Upper

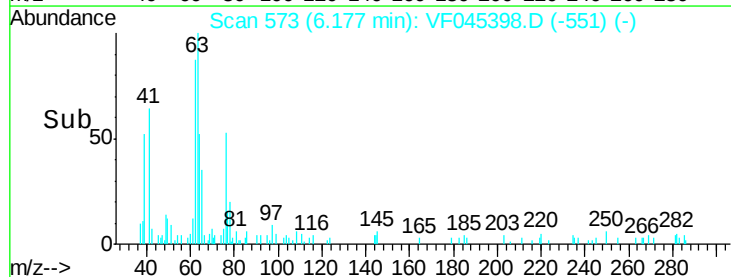
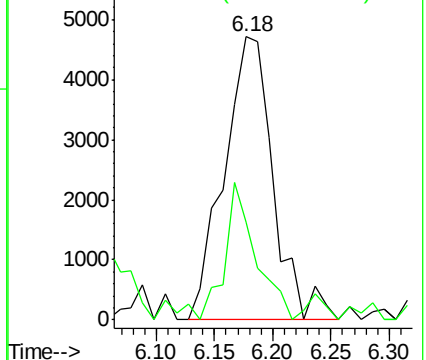
63 100

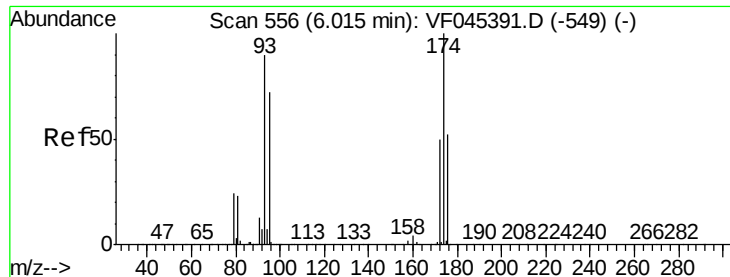
65 34.4 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#45

Dibromomethane

Concen: 1.40 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

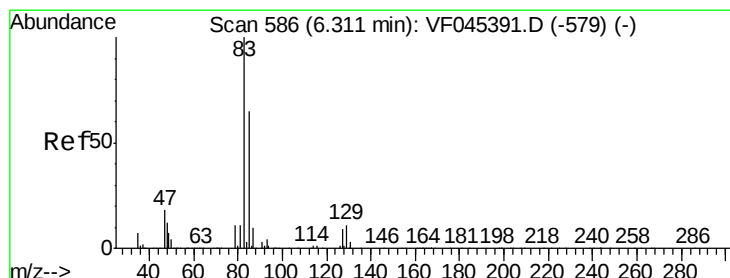
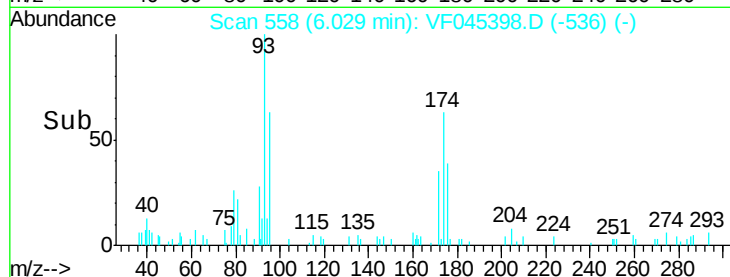
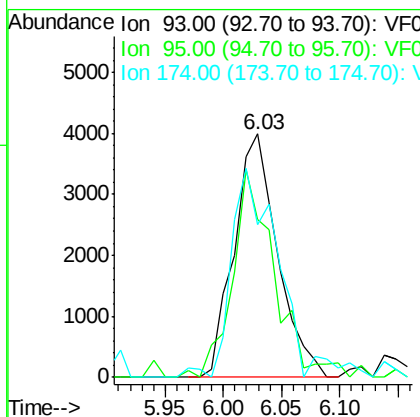
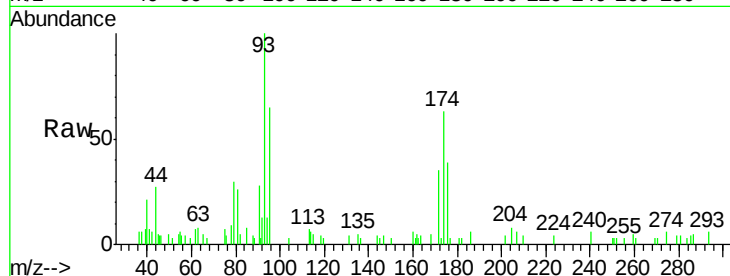
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	93	Resp:	10282
Ion Ratio	Lower	Upper	
93	100		
95	65.1	69.8	104.6#
174	62.5	90.5	135.7#

Manual Integrations
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#46

Bromodichloromethane

Concen: 1.13 ug/l

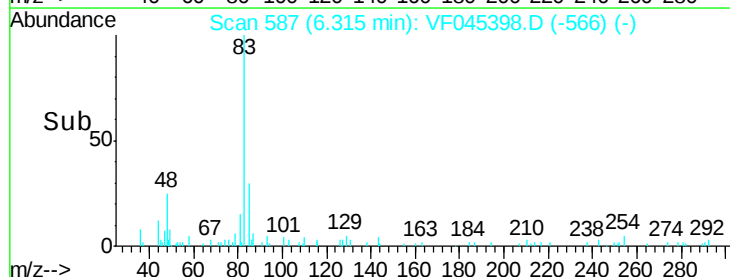
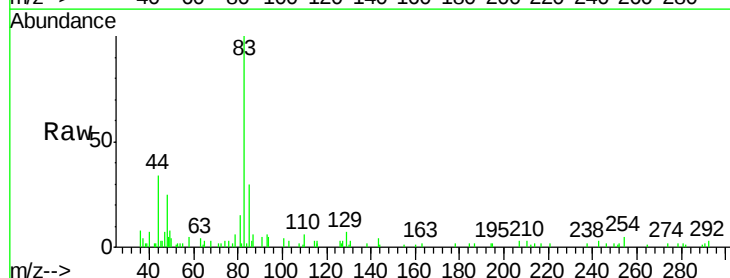
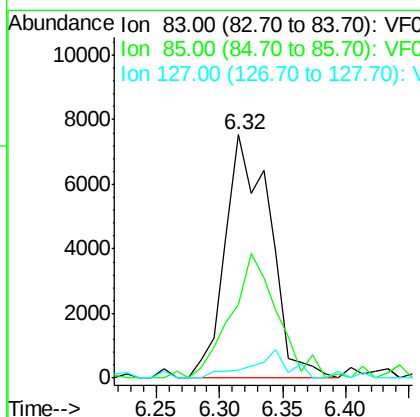
RT: 6.32 min Scan# 587

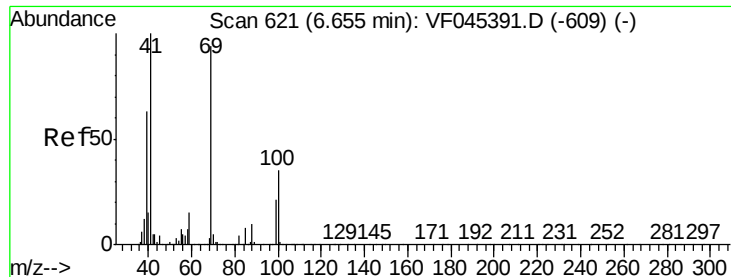
Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:	83	Resp:	18536
Ion Ratio	Lower	Upper	
83	100		
85	30.3	50.6	75.8#
127	3.4	7.7	11.5#





#47

Methyl methacrylate

Concen: 1.17 ug/l

RT: 6.68 min Scan# 624

Delta R.T. 0.02 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

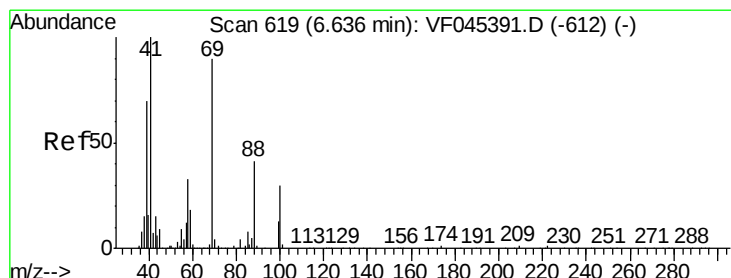
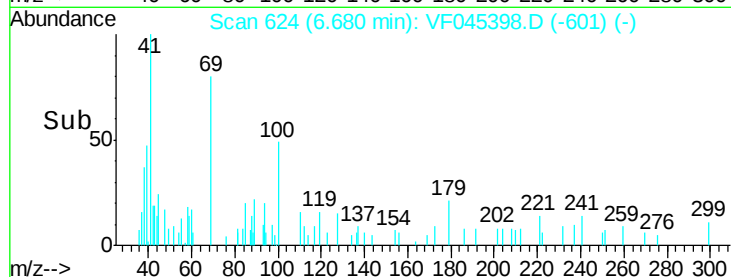
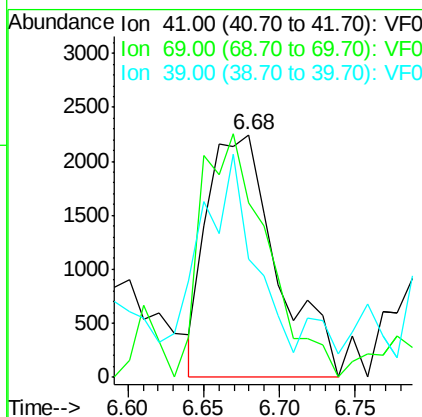
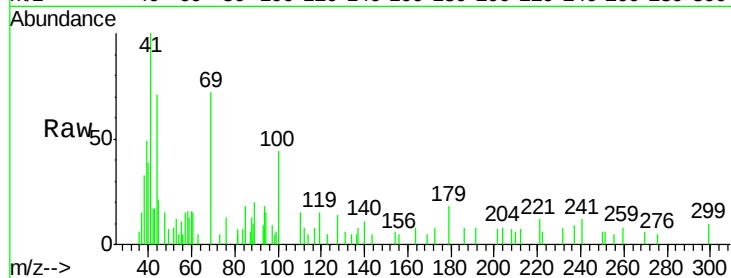
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	41	Resp:	7166
Ion	Ratio	Lower	Upper
41	100		
69	71.9	63.3	94.9
39	48.9	48.9	73.3

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#48

1,4-Dioxane

Concen: 19.57 ug/l

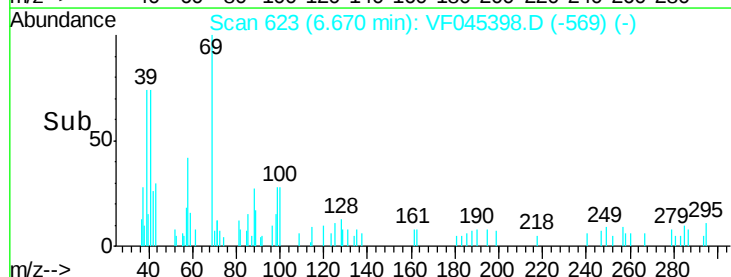
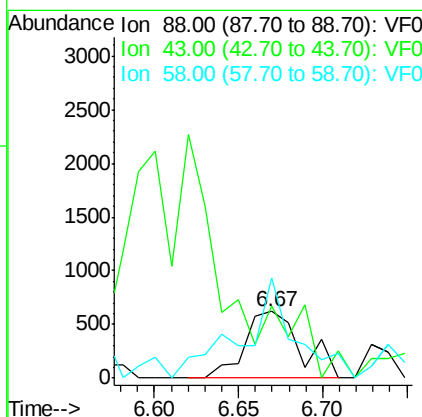
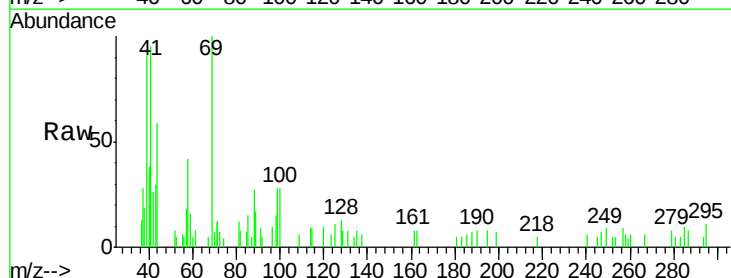
RT: 6.67 min Scan# 623

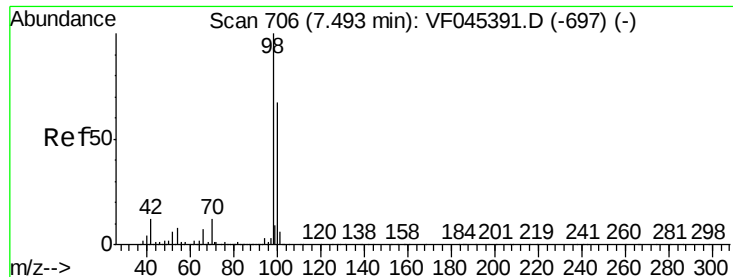
Delta R.T. 0.03 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:	88	Resp:	1435
Ion	Ratio	Lower	Upper
88	100		
43	109.4	34.5	51.7#
58	151.7	46.5	69.7#





#49

Toluene-d8

Concen: 49.21 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 98 Resp: 1790808

Ion Ratio Lower Upper

98 100

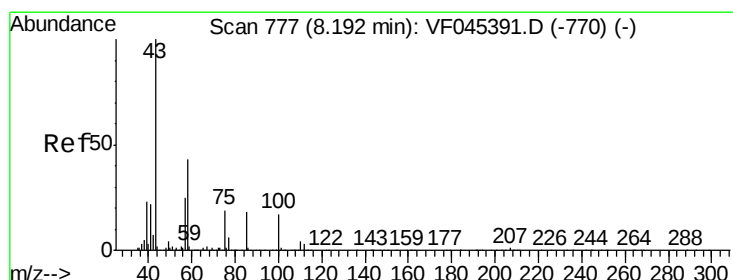
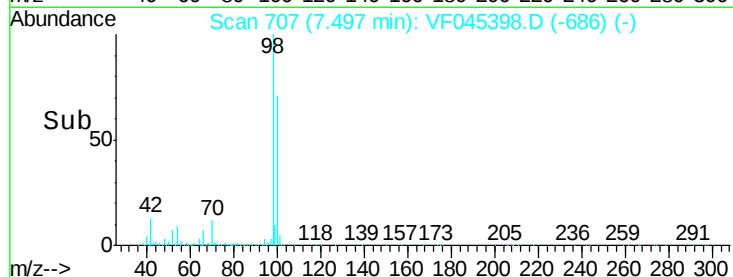
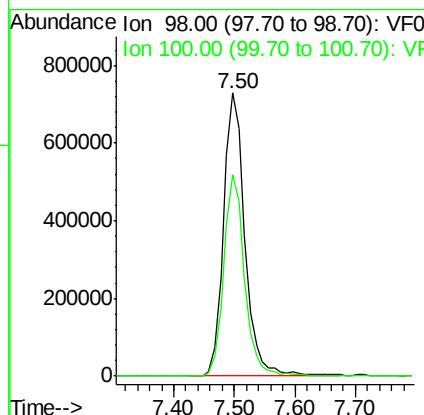
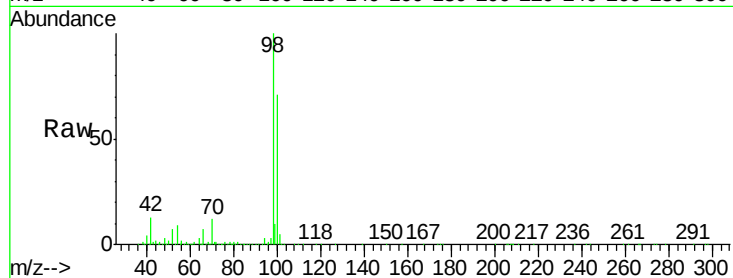
100 71.0 54.4 81.6

Manual Integrations

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#50

4-Methyl-2-Pentanone

Concen: 7.39 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.01 min

Lab File: VF045398.D

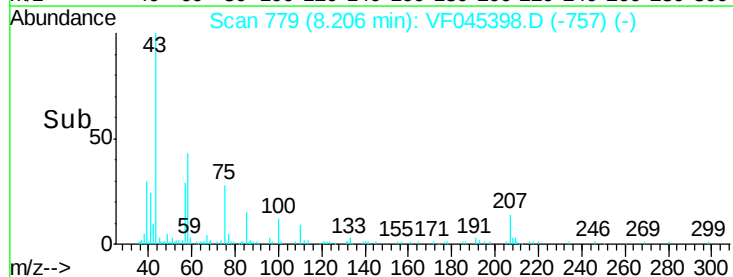
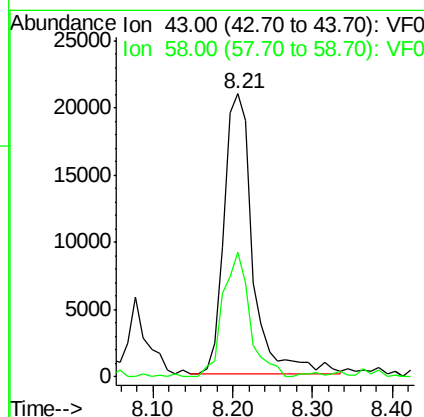
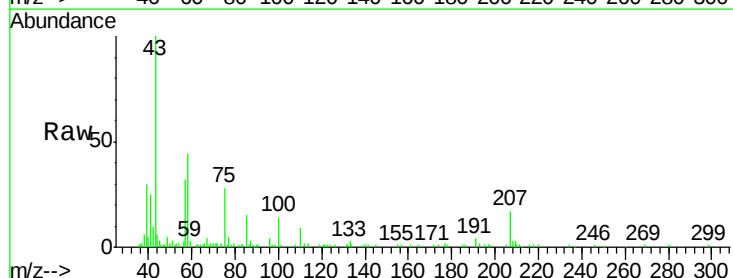
Acq: 16 Sep 2015 19:38

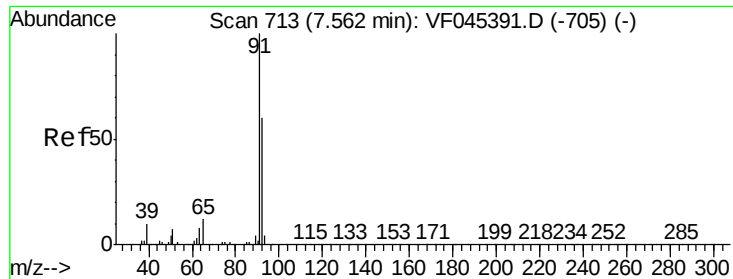
Tgt Ion: 43 Resp: 52981

Ion Ratio Lower Upper

43 100

58 44.2 33.6 50.4





#51

Toluene

Concen: 1.40 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 92 Resp: 38053

Ion Ratio Lower Upper

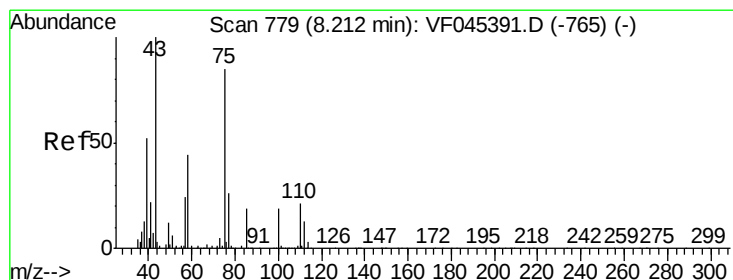
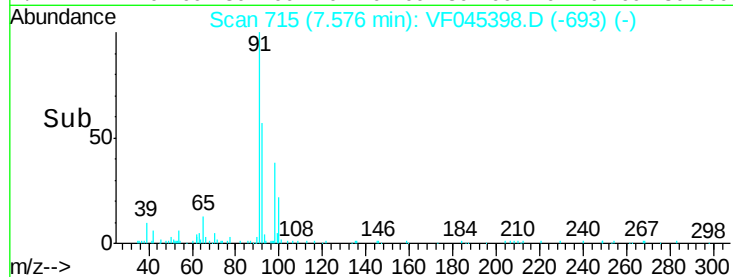
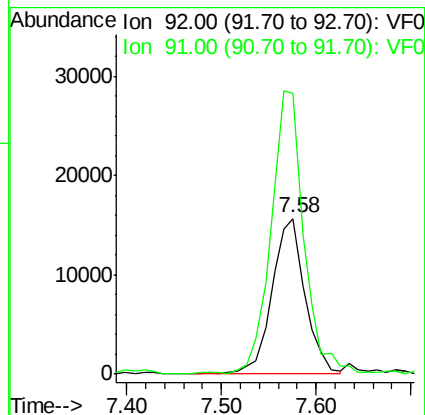
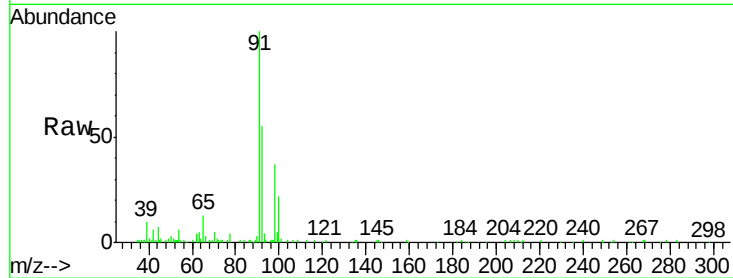
92 100

91 180.2 133.4 200.0

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#52

t-1,3-Dichloropropene

Concen: 1.21 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.00 min

Lab File: VF045398.D

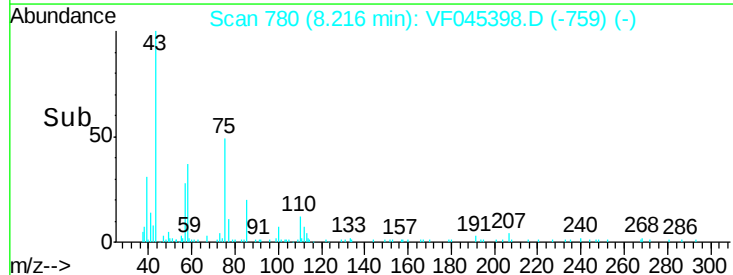
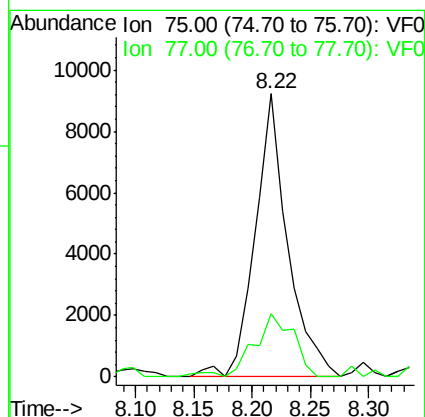
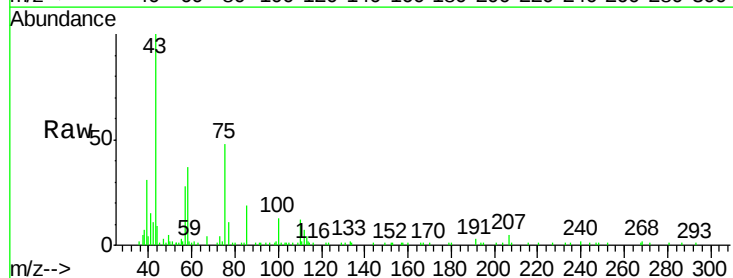
Acq: 16 Sep 2015 19:38

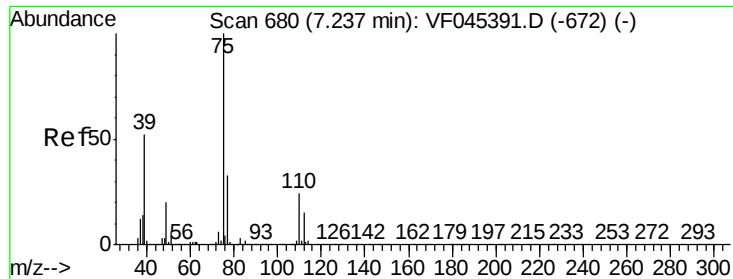
Tgt Ion: 75 Resp: 17899

Ion Ratio Lower Upper

75 100

77 22.4 28.1 42.1#





#53

cis-1,3-Dichloropropene

Concen: 1.14 ug/l

RT: 7.24 min Scan# 681

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

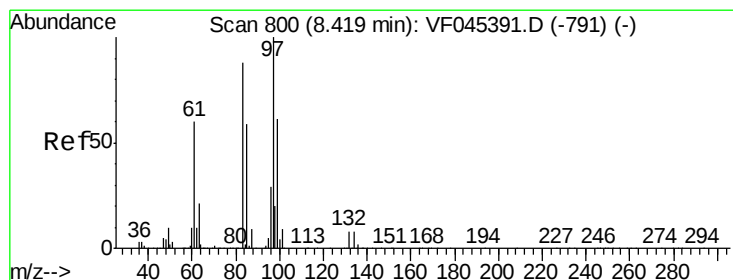
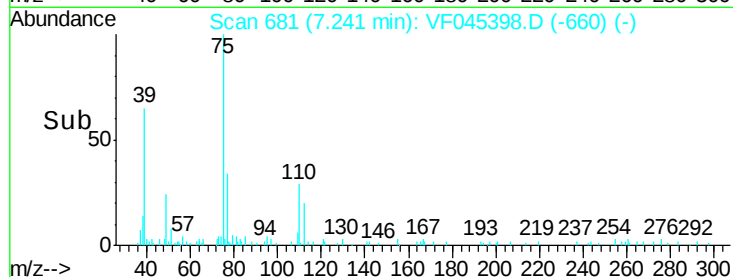
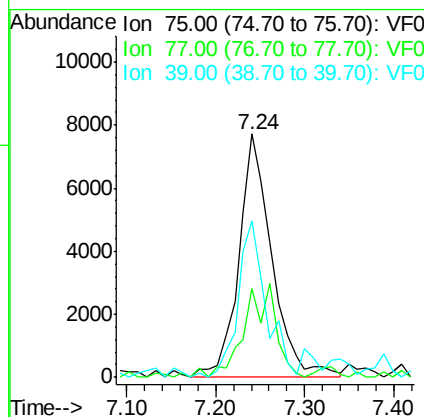
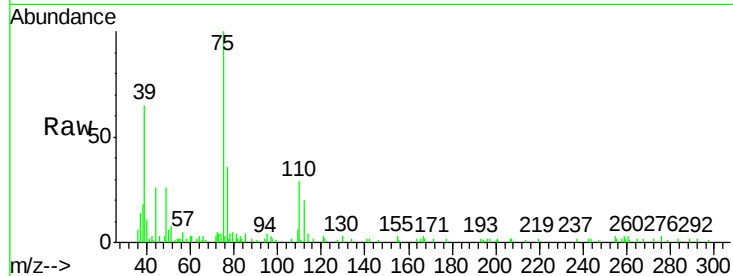
ClientSampleId :

LOD-SOIL2015-01

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

Manual Integrations
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#54

1,1,2-Trichloroethane

Concen: 1.11 ug/l

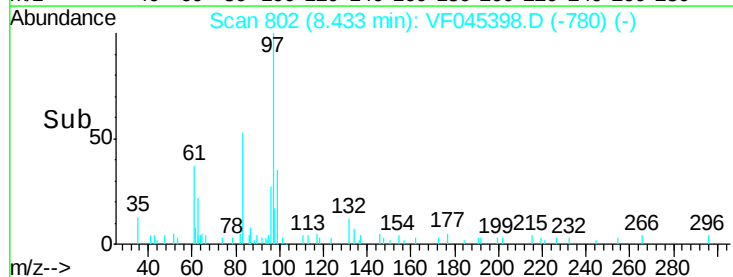
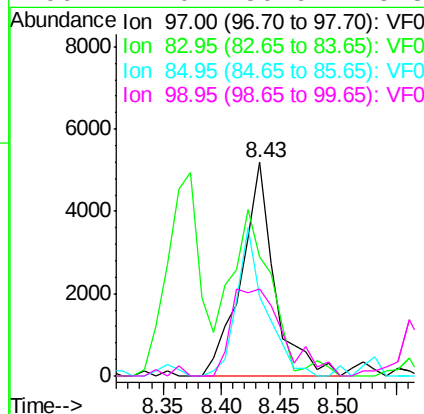
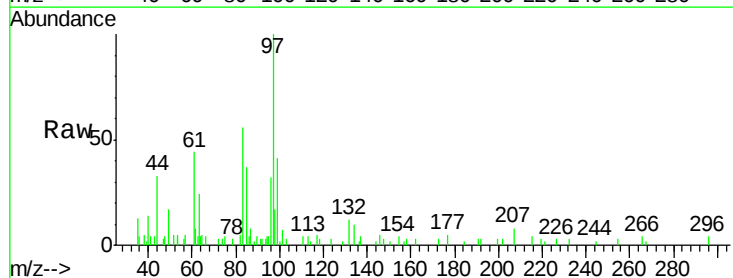
RT: 8.43 min Scan# 802

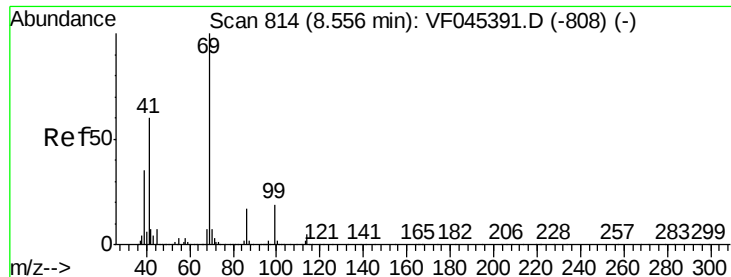
Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

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





#55

Ethyl methacrylate

Concen: 1.13 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

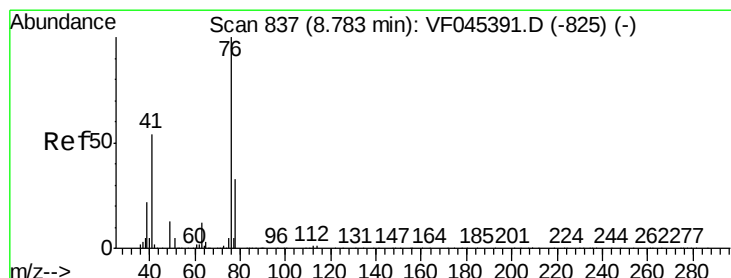
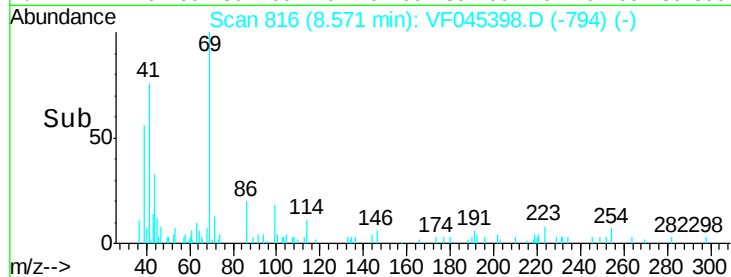
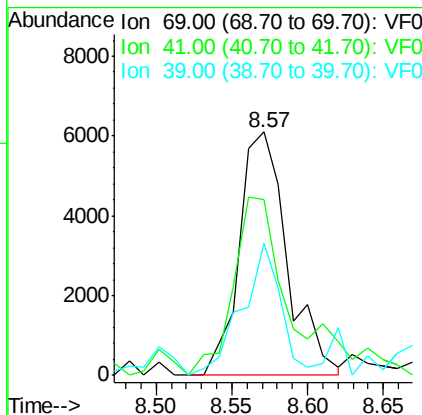
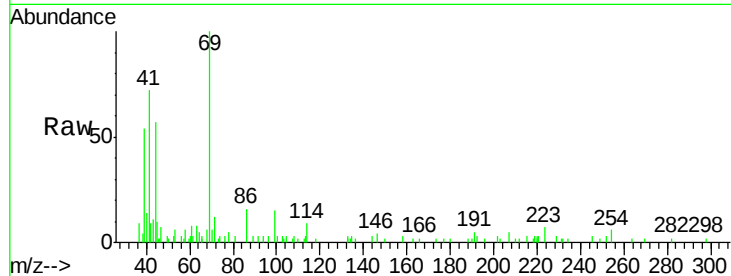
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	69	Resp:	13498
Ion Ratio	Lower	Upper	
69	100		
41	72.0	51.0	76.4
39	54.1	29.1	43.7#

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#56

1,3-Dichloropropane

Concen: 1.43 ug/l

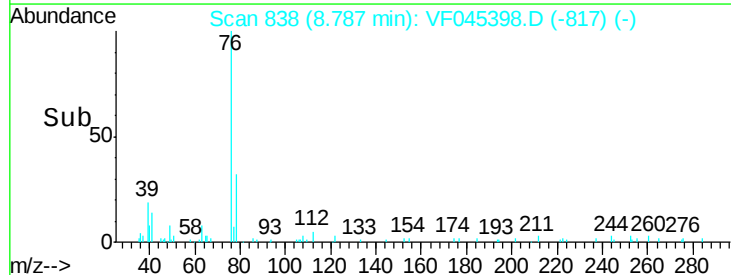
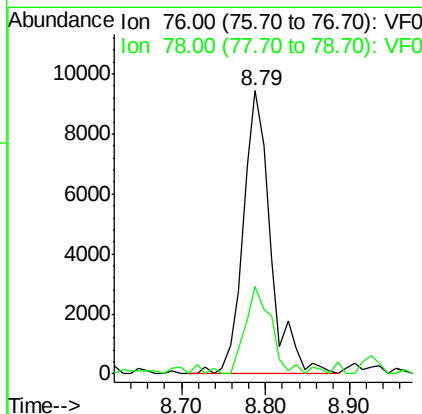
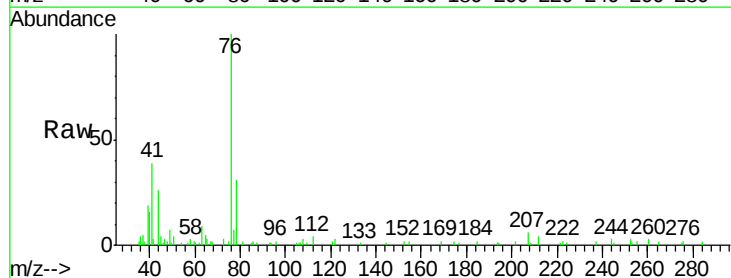
RT: 8.79 min Scan# 838

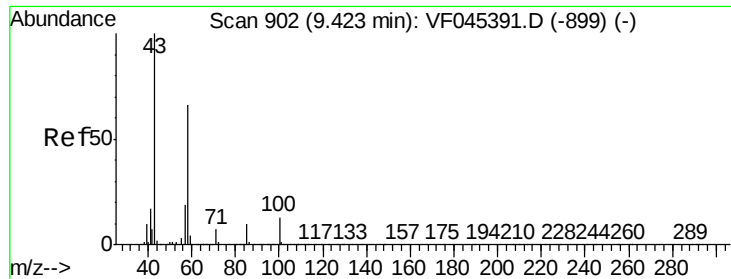
Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:	76	Resp:	21449
Ion Ratio	Lower	Upper	
76	100		
78	30.7	26.1	39.1





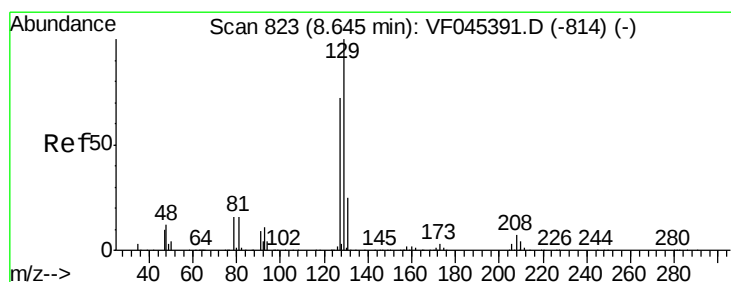
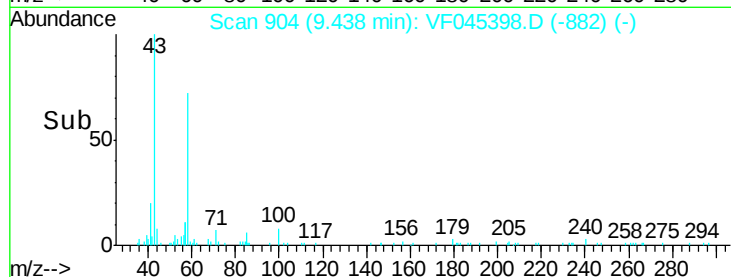
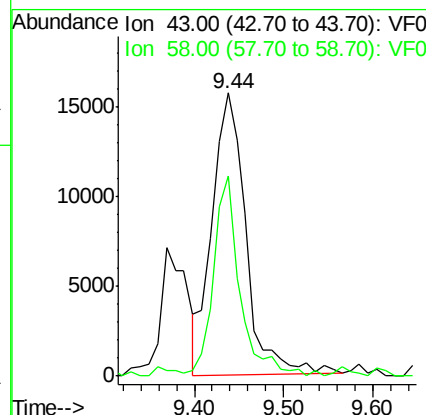
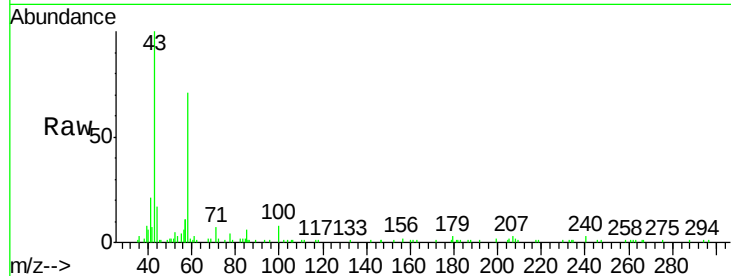
#58
2-Hexanone
Concen: 7.26 ug/l
RT: 9.44 min Scan# 904
Delta R.T. 0.01 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
43	100		
58	70.9	28.8	86.5

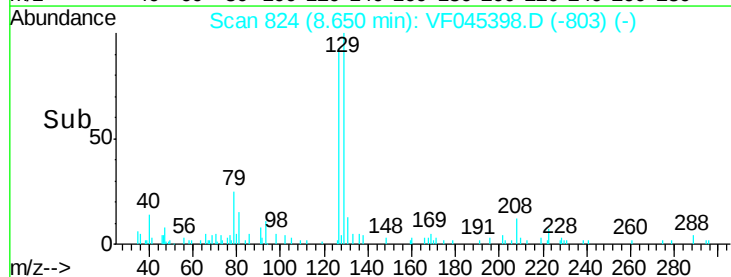
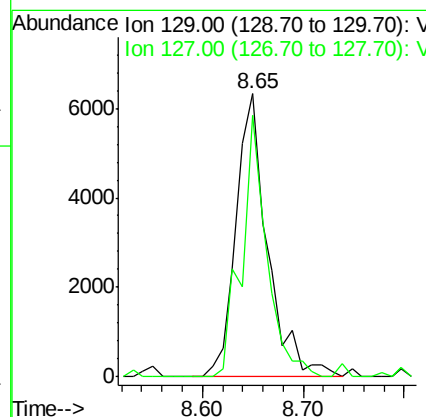
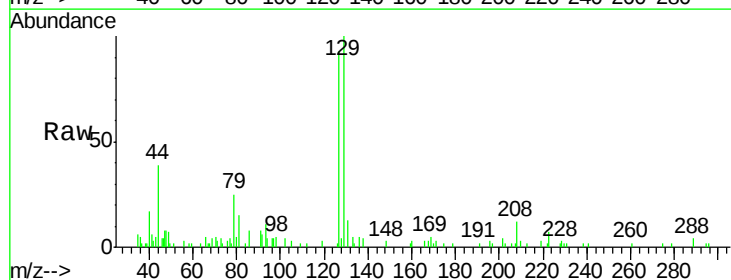
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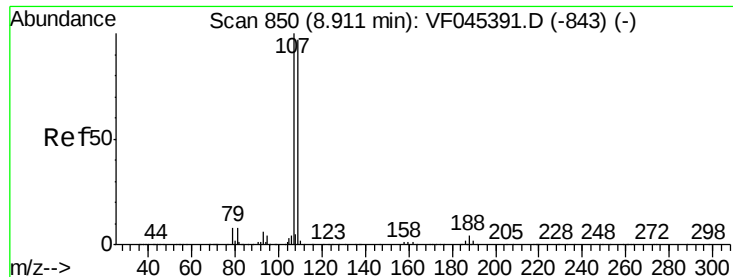
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#59
Dibromochloromethane
Concen: 1.05 ug/l
RT: 8.65 min Scan# 824
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	96.3	38.2	114.6





#60

1,2-Dibromoethane

Concen: 1.26 ug/l

RT: 8.92 min Scan# 851

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:107 Resp: 13209

Ion Ratio Lower Upper

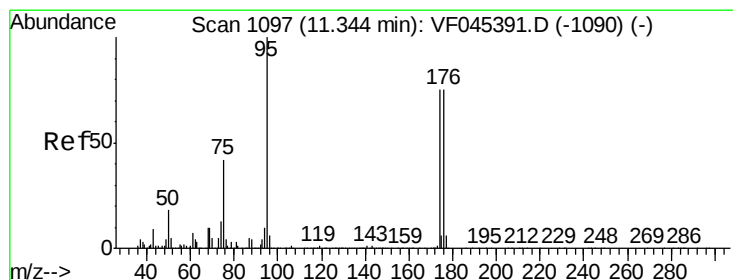
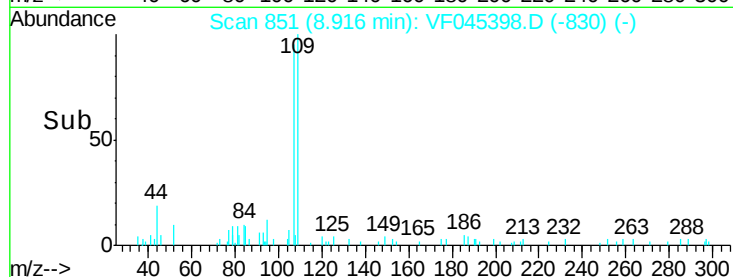
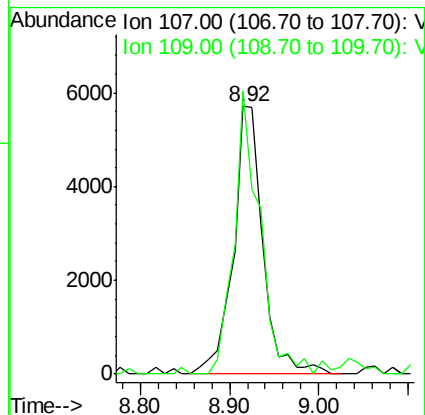
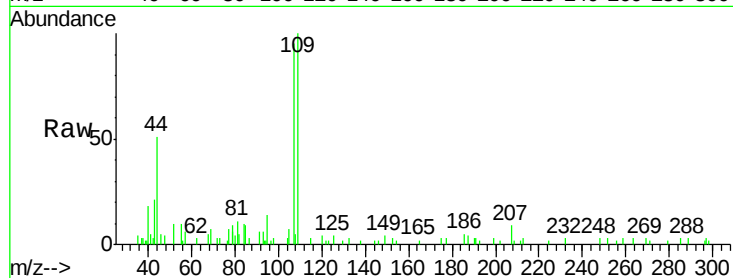
107 100

109 105.6 79.4 119.0

Manual Integrations
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#61

4-Bromofluorobenzene

Concen: 47.47 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

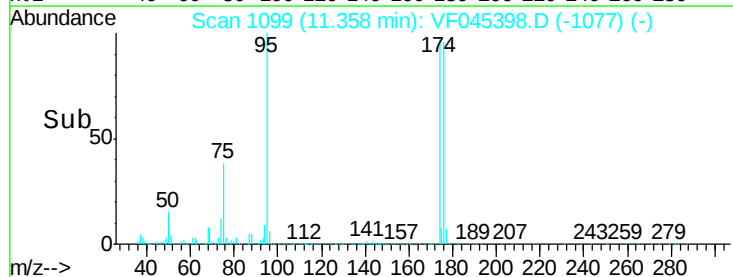
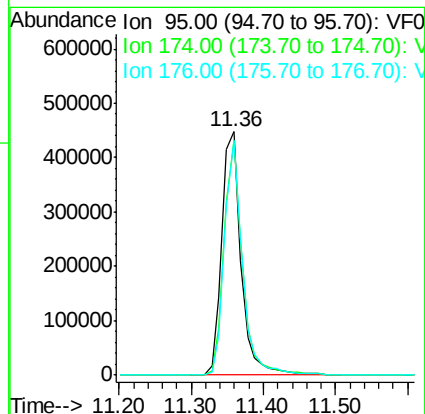
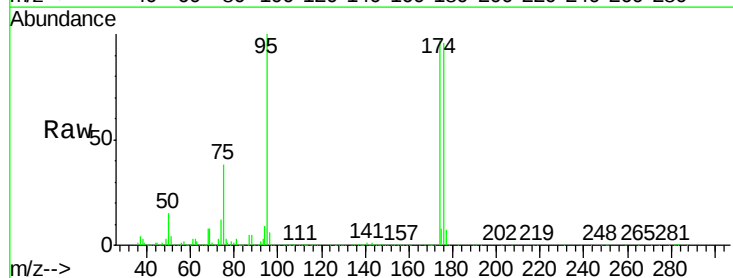
Tgt Ion: 95 Resp: 830335

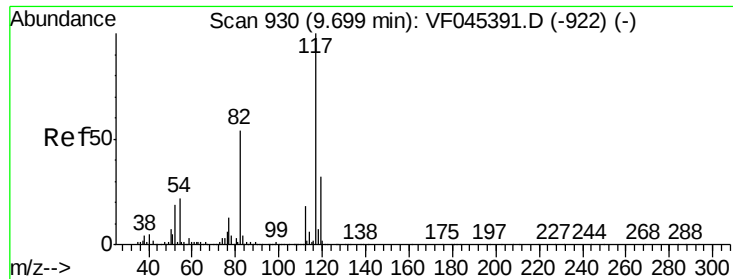
Ion Ratio Lower Upper

95 100

174 96.6 0.0 177.8

176 96.4 0.0 176.2





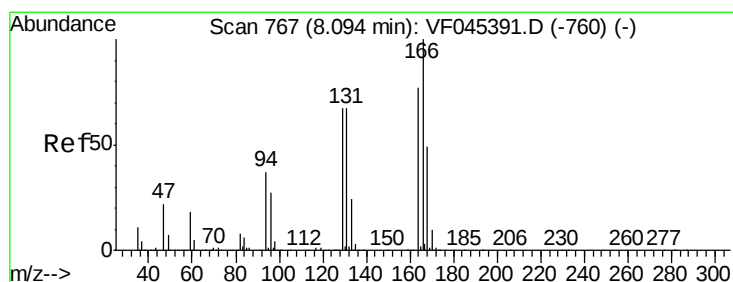
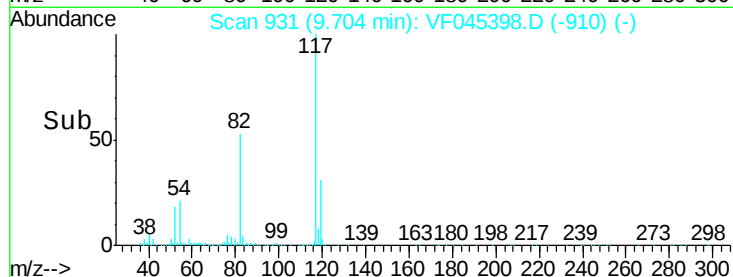
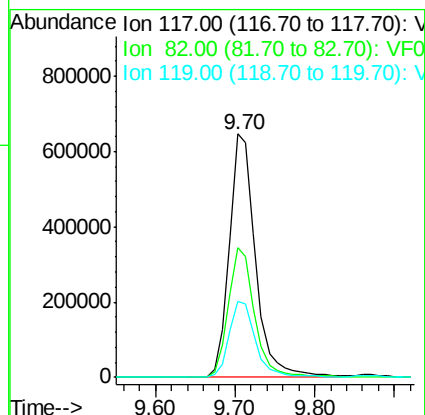
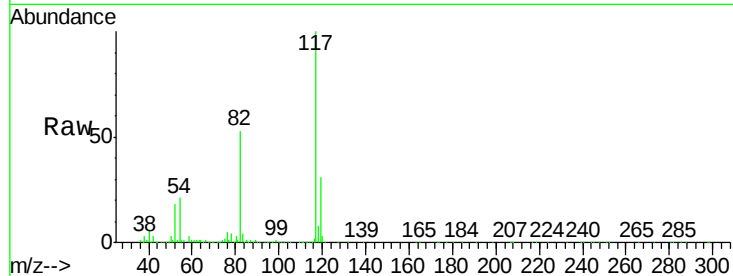
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.70 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:117 Resp: 1499616
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.6
119 31.4 26.2 39.4

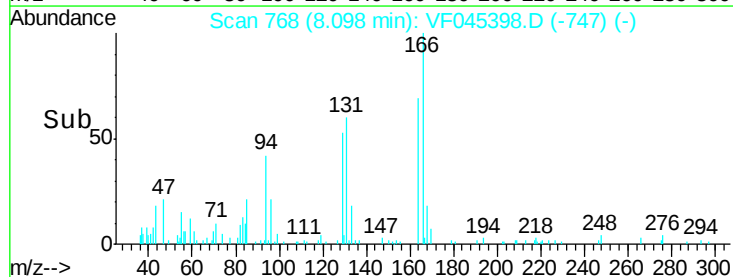
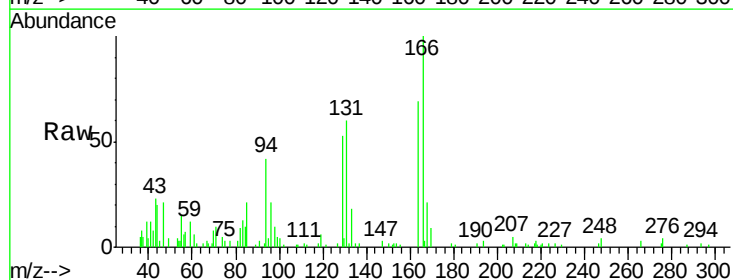
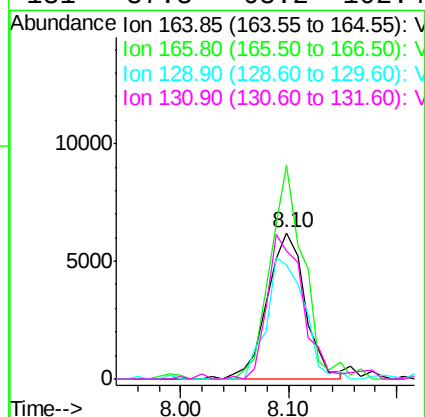
Manual Integrations
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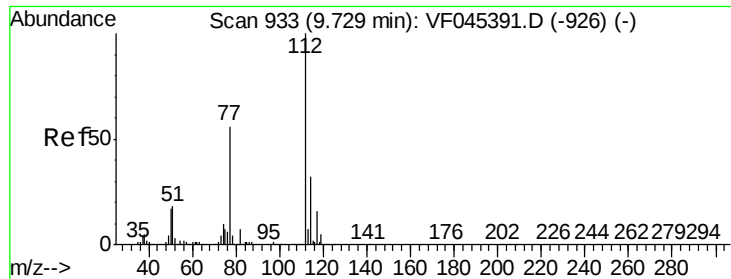
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#63
Tetrachloroethene
Concen: 1.28 ug/l
RT: 8.10 min Scan# 768
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion:164 Resp: 15214
Ion Ratio Lower Upper
164 100
166 145.7 106.0 159.0
129 77.4 69.8 104.6
131 87.3 68.2 102.4





#64

Chlorobenzene

Concen: 1.34 ug/l

RT: 9.73 min Scan# 934

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:112 Resp: 42109

Ion Ratio Lower Upper

112 100

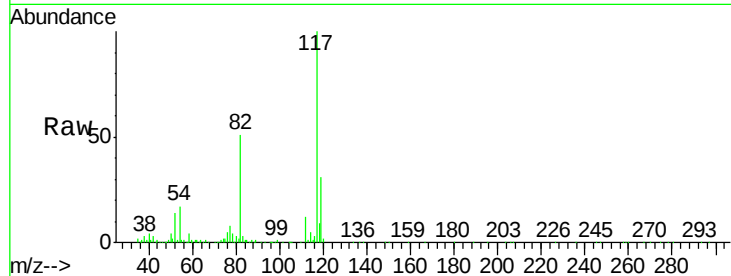
114 41.7 25.6 38.4#

Manual Integrations

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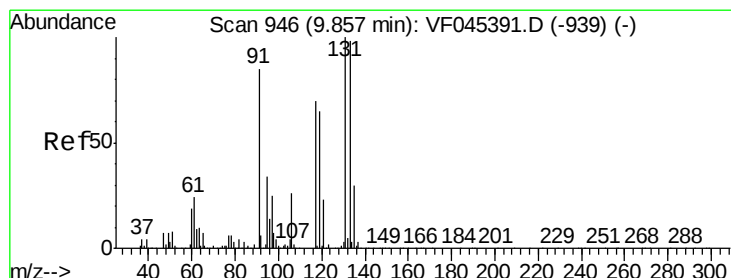
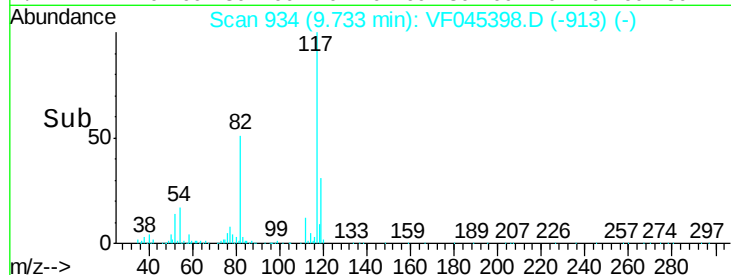
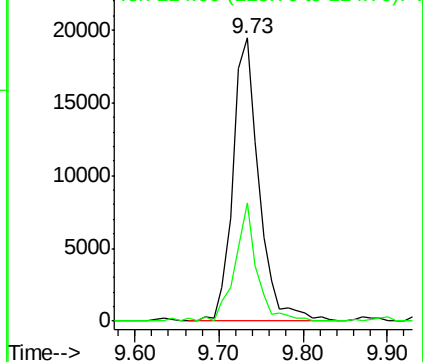
MMDadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 1.11 ug/l

RT: 9.86 min Scan# 947

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

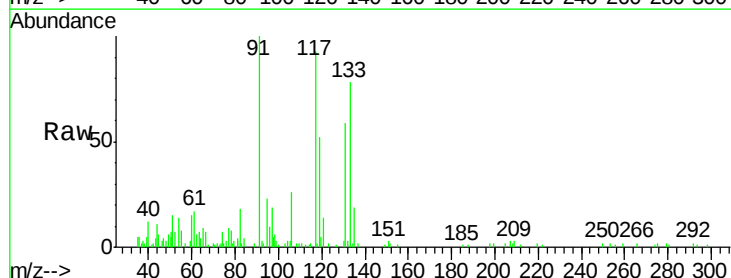
Tgt Ion:131 Resp: 12802

Ion Ratio Lower Upper

131 100

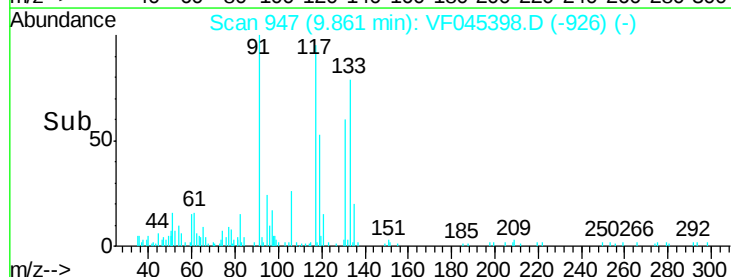
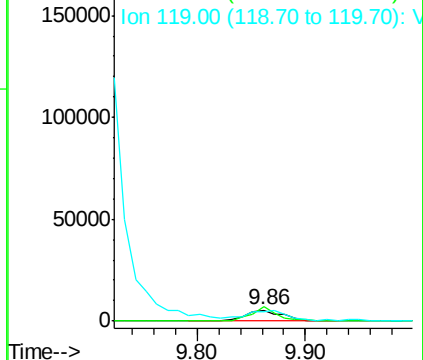
133 131.8 48.1 144.4

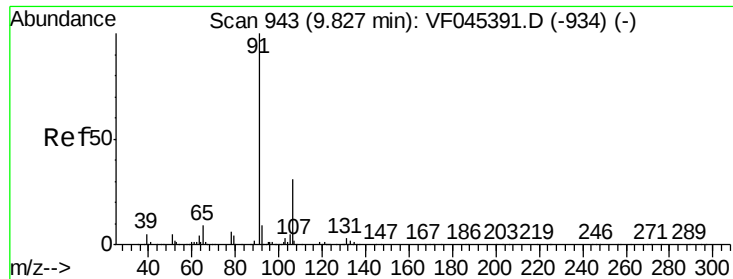
119 87.7 34.8 104.5



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V





#66

Ethyl Benzene

Concen: 1.33 ug/l

RT: 9.84 min Scan# 945

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 91 Resp: 72571

Ion Ratio Lower Upper

91 100

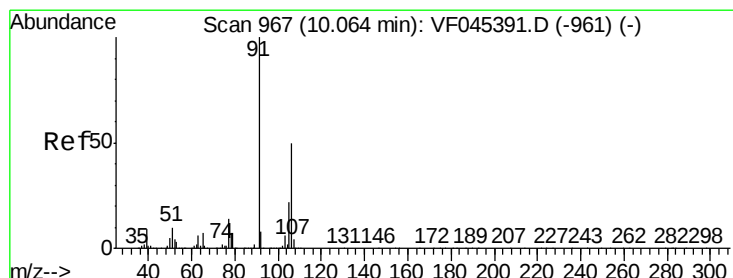
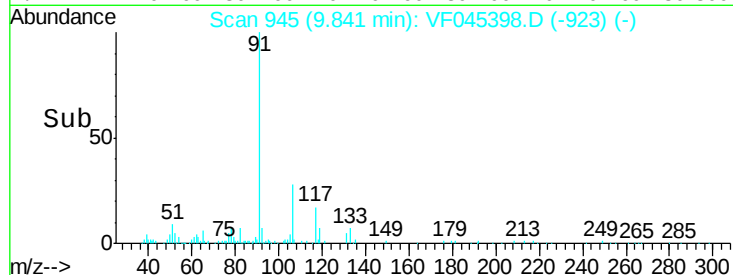
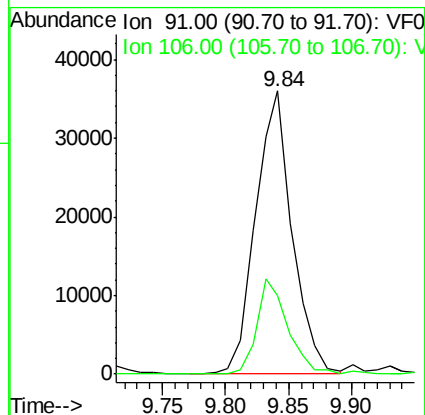
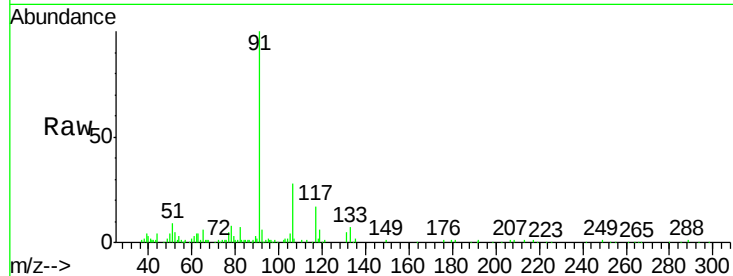
106 27.6 23.6 35.4

Manual Integrations

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#67

m/p-Xylenes

Concen: 2.95 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF045398.D

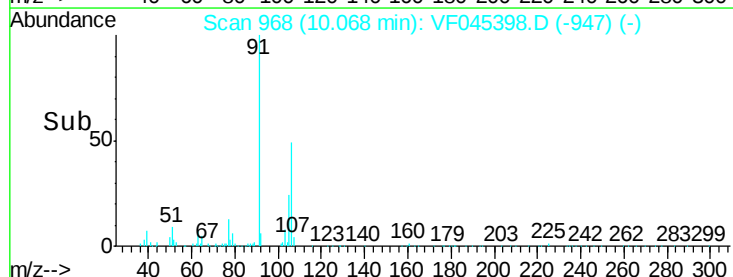
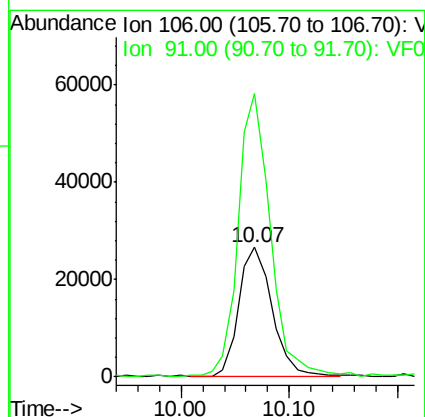
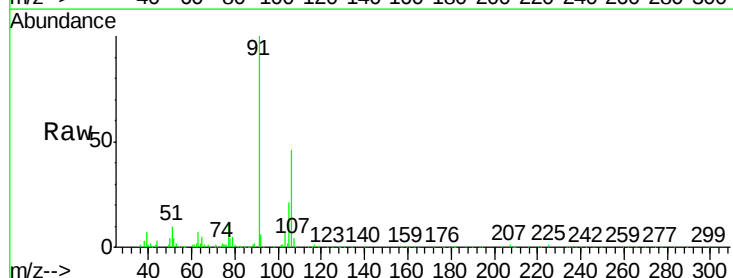
Acq: 16 Sep 2015 19:38

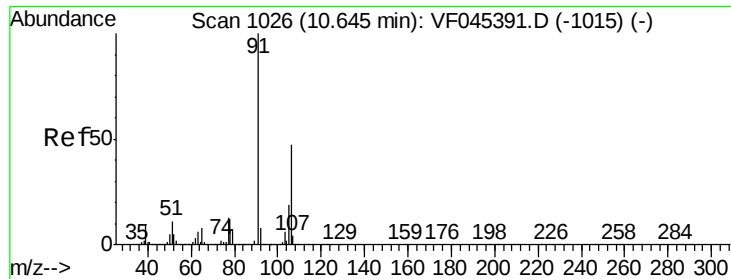
Tgt Ion: 106 Resp: 57550

Ion Ratio Lower Upper

106 100

91 218.7 166.1 249.1





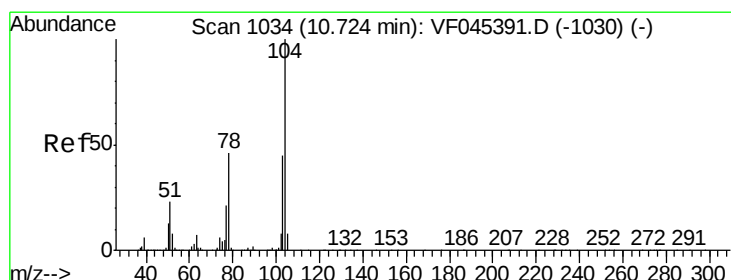
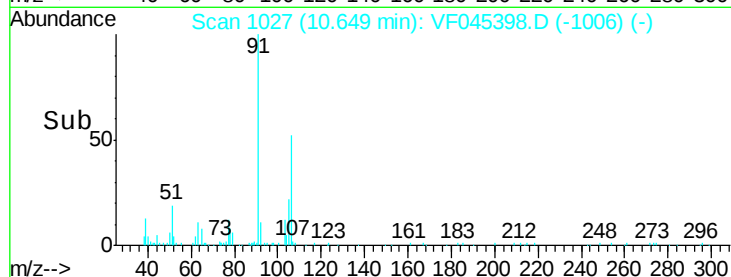
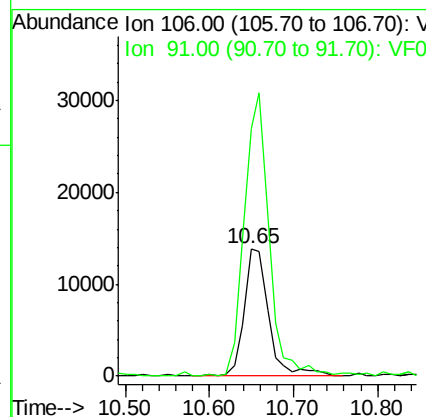
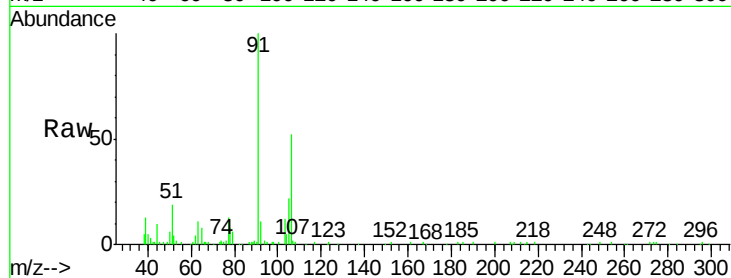
#68
o-Xylene
Concen: 1.39 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

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

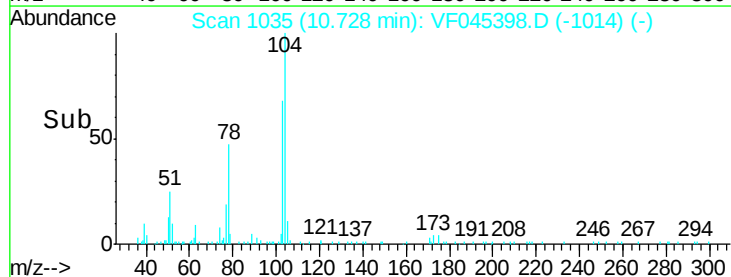
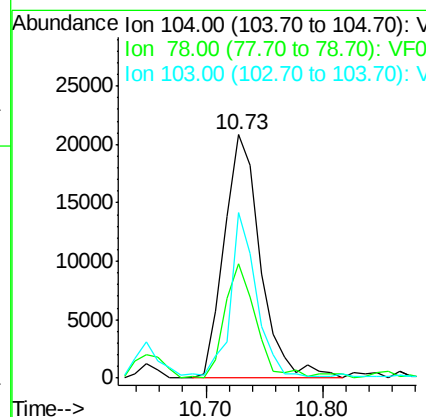
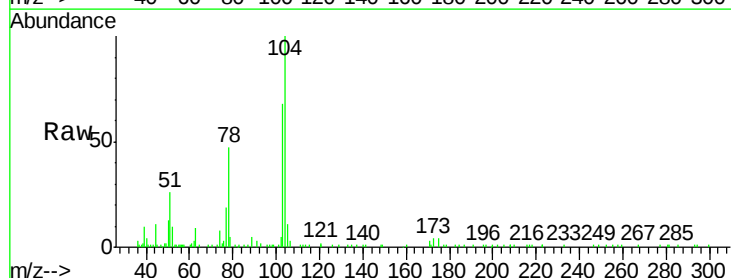
Manual Integrations
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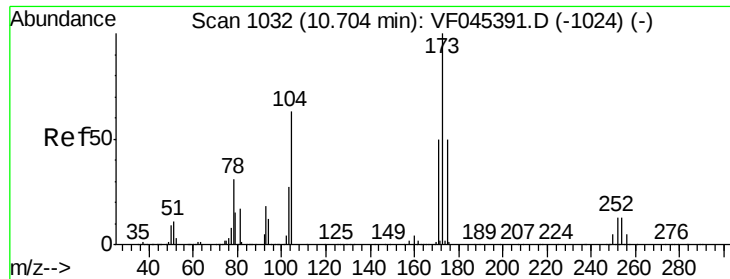
MMDadoda
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#69
Styrene
Concen: 1.39 ug/l
RT: 10.73 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

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





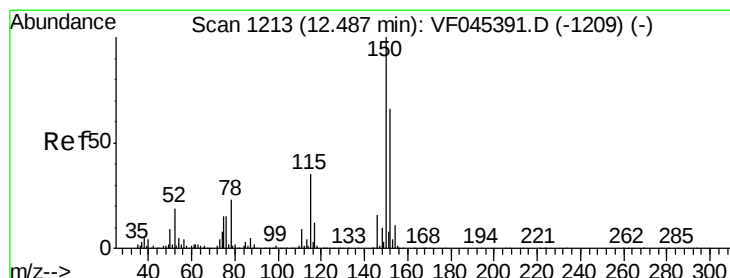
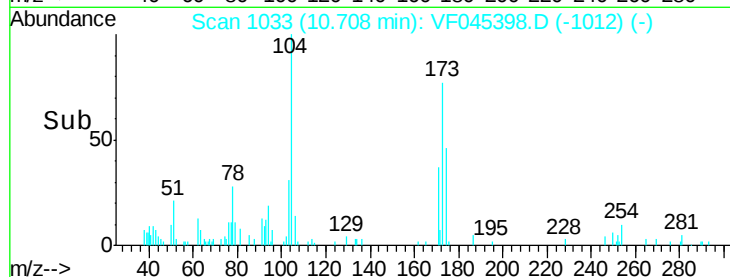
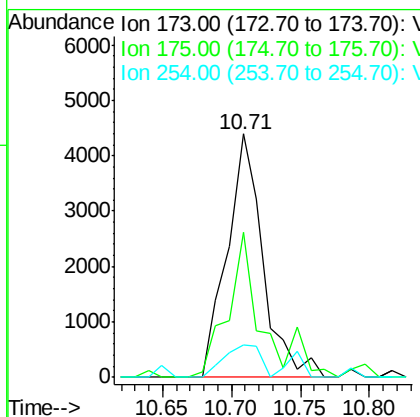
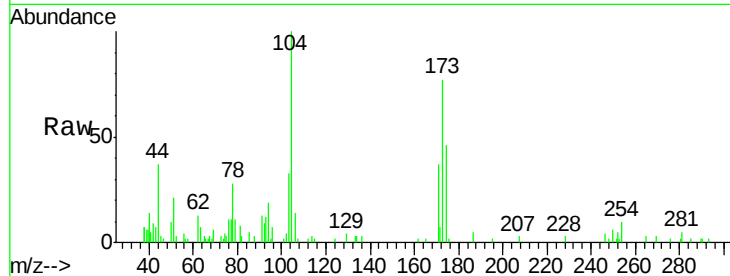
#70
Bromoform
Concen: 0.93 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
173	100		
175	59.6	25.7	77.0
254	13.3	9.8	14.6

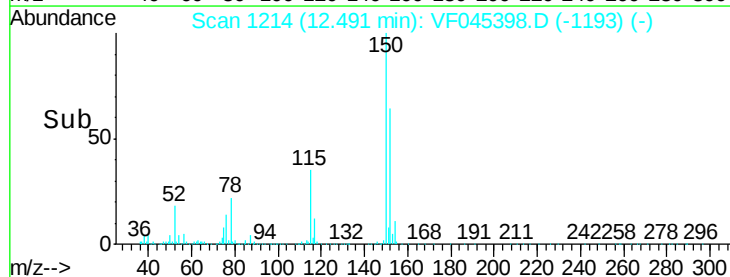
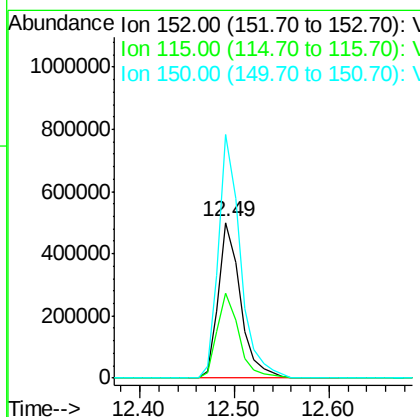
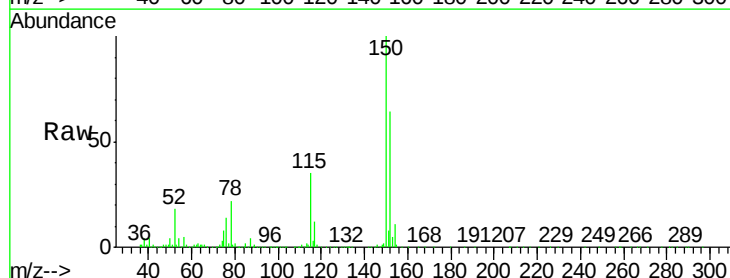
Manual Integrations
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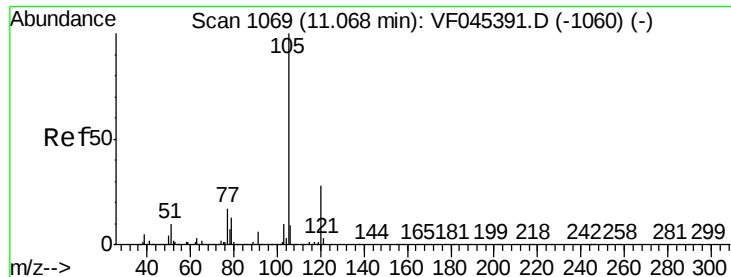
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#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.3	85.0
150	156.7	0.0	324.2





#72

Isopropylbenzene

Concen: 1.43 ug/l

RT: 11.07 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:105 Resp: 77925

Ion Ratio Lower Upper

105 100

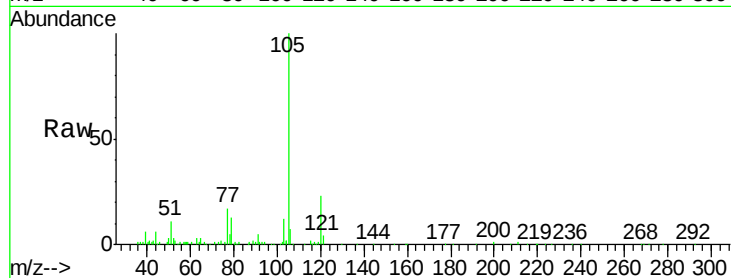
120 23.4 13.0 39.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.07

50000

40000

30000

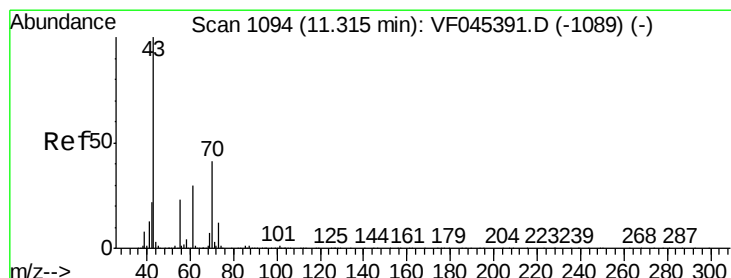
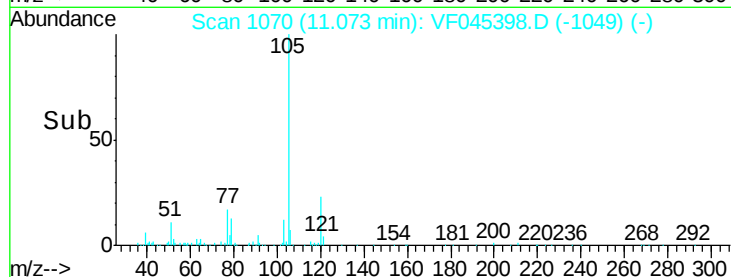
20000

10000

0

Time-->

11.00 11.10 11.20



#73

N-ethyl acetate

Concen: 1.41 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion: 43 Resp: 21296

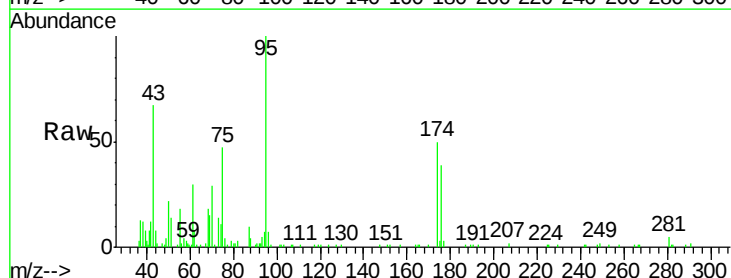
Ion Ratio Lower Upper

43 100

70 43.4 30.0 45.0

55 27.7 16.8 25.2#

61 44.3 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

25000

20000

15000

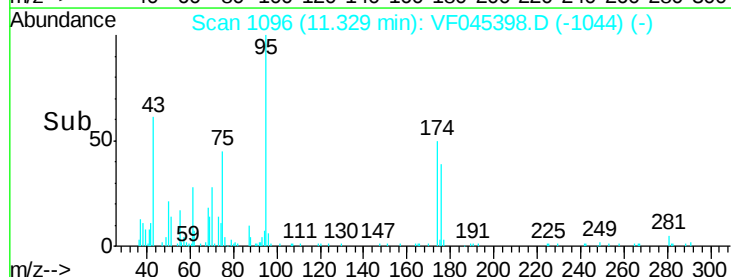
10000

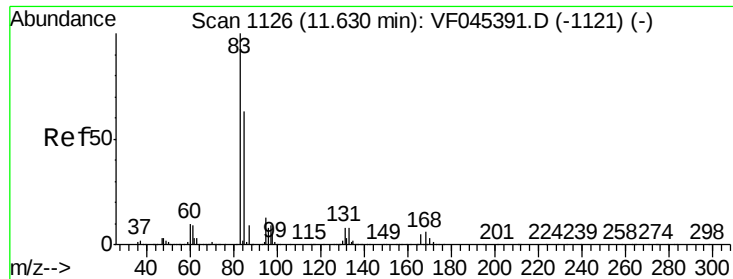
5000

0

Time-->

11.30 11.40





#74

1,1,2,2-Tetrachloroethane

Concen: 1.51 ug/l

RT: 11.63 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

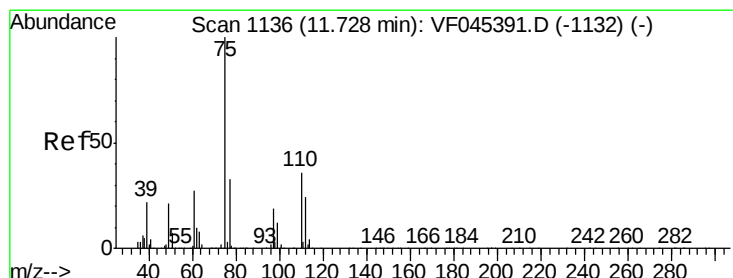
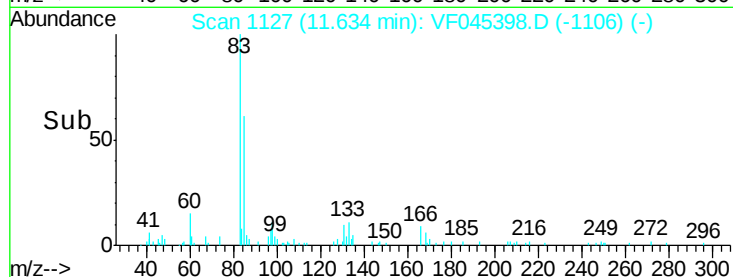
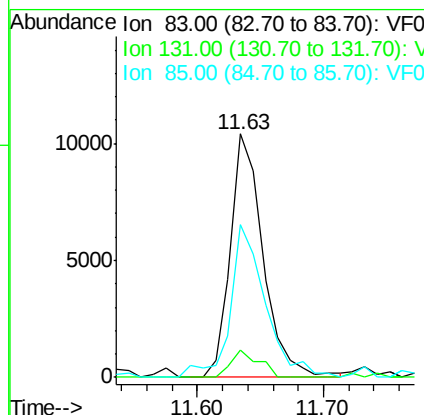
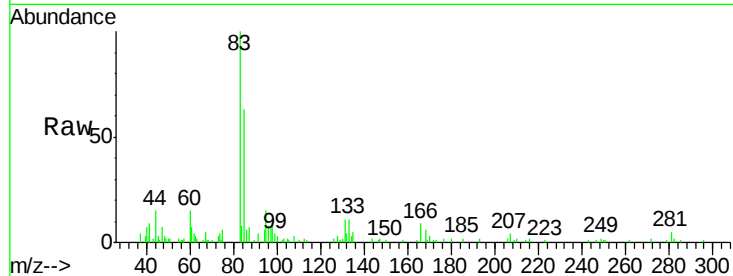
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	83	Resp:	18660
Ion Ratio	Lower	Upper	
83	100		
131	11.3	4.2	12.6
85	62.7	32.5	97.5

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#75

1,2,3-Trichloropropane

Concen: 1.14 ug/l m

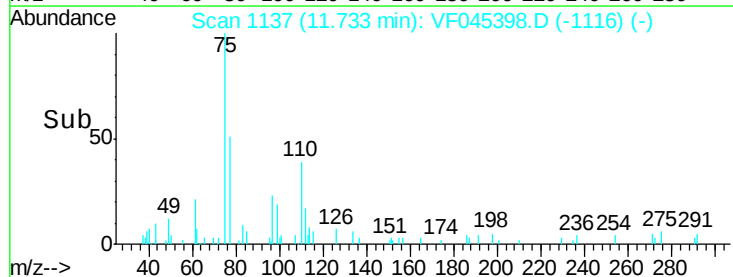
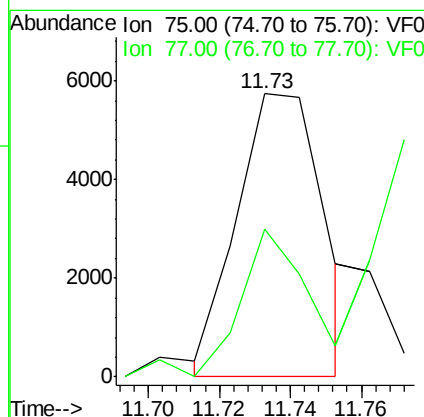
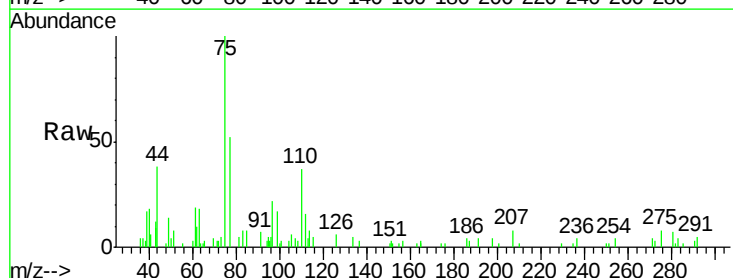
RT: 11.73 min Scan# 1137

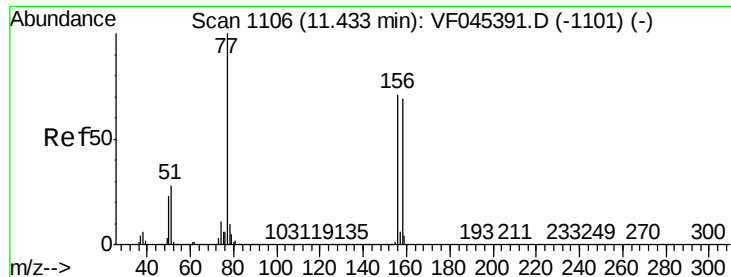
Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:	75	Resp:	9662
Ion Ratio	Lower	Upper	
75	100		
77	52.2	15.0	45.1#





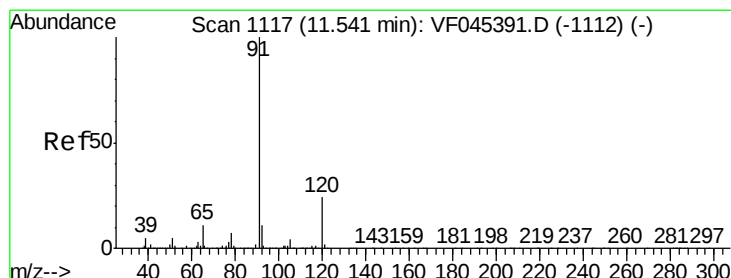
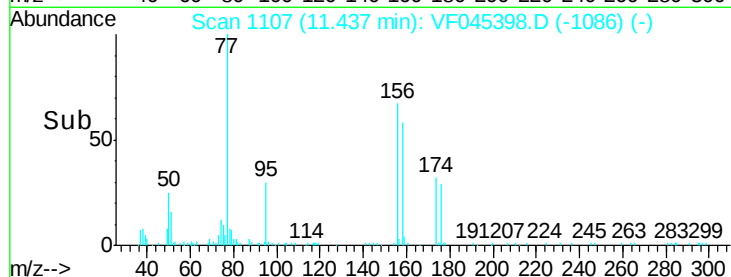
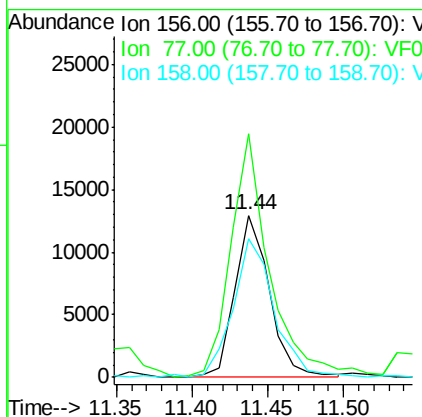
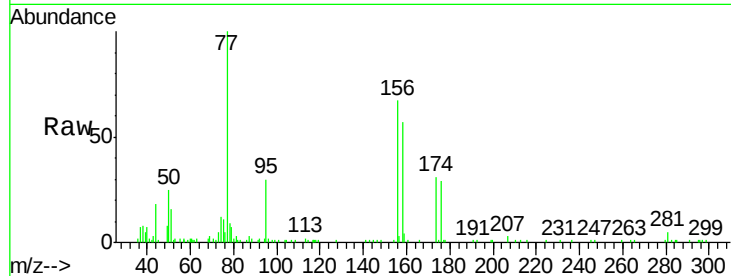
#76
Bromobenzene
Concen: 1.34 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.5	74.8	224.3
158	82.4	49.5	148.7

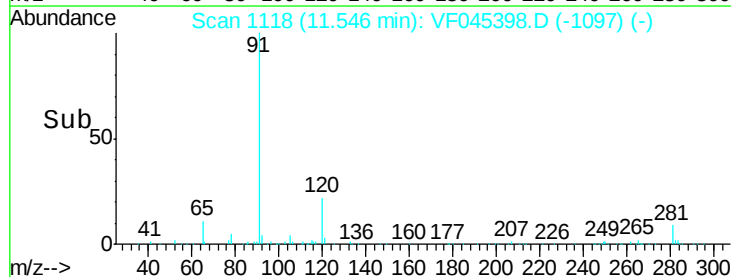
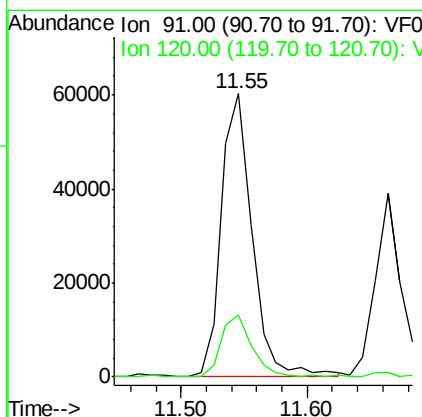
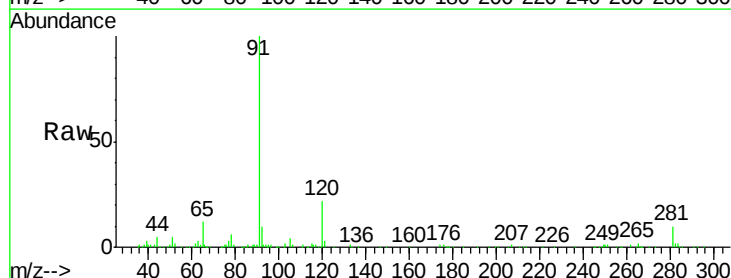
Manual Integrations
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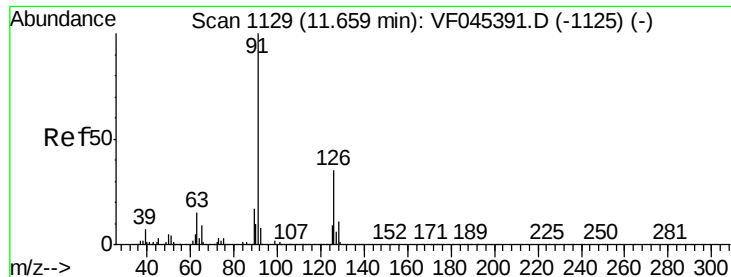
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#77
n-propylbenzene
Concen: 1.52 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.6	34.7





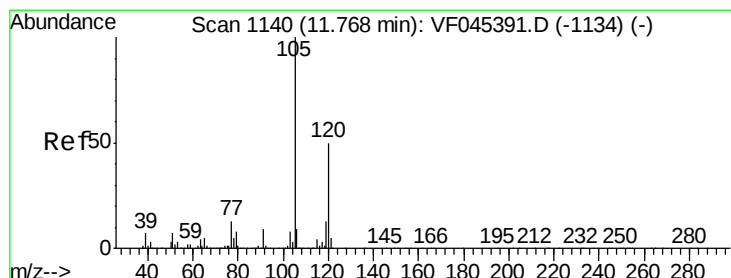
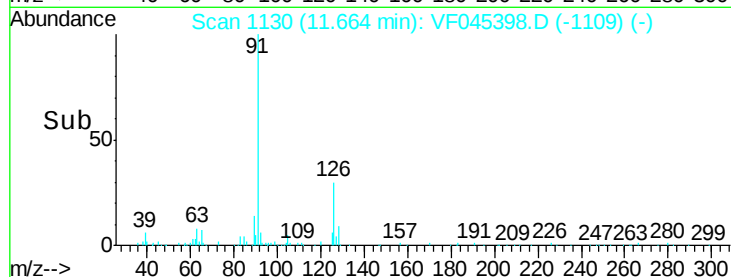
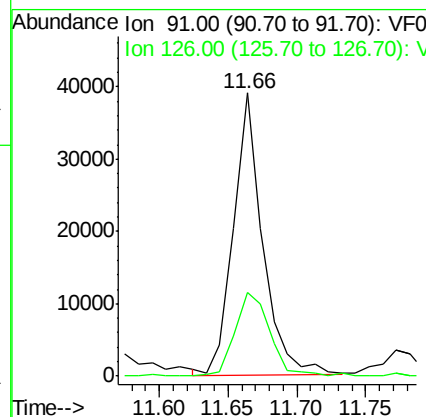
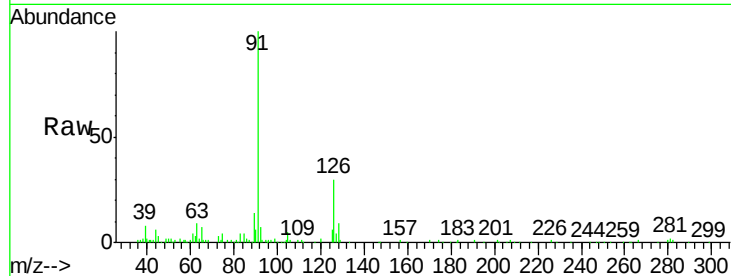
#78
2-Chlorotoluene
Concen: 1.51 ug/l
RT: 11.66 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

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

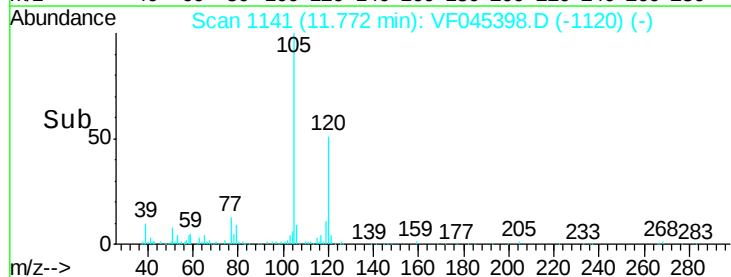
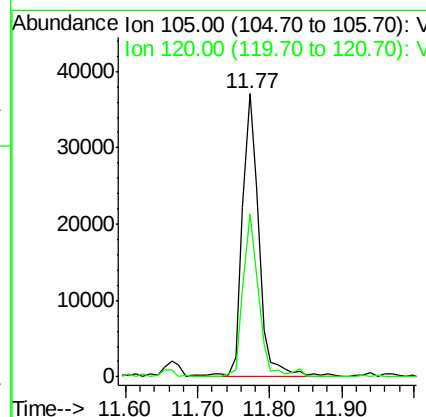
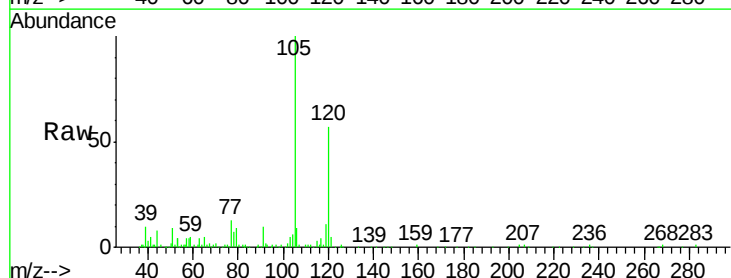
Manual Integrations
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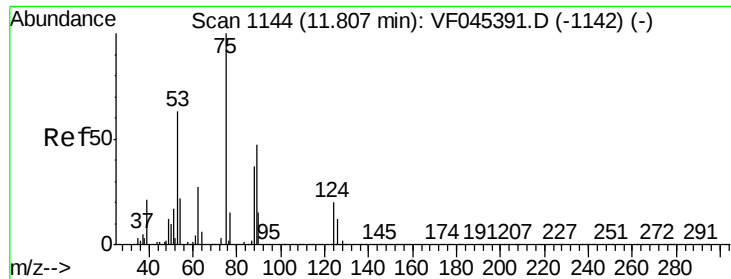
MMDadoda
9/17/2015 12:51:27 PM



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

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





#80

trans-1,4-Dichloro-2-butene

Concen: 1.40 ug/l

RT: 11.82 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

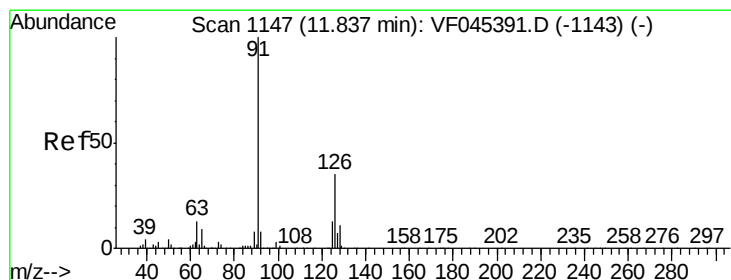
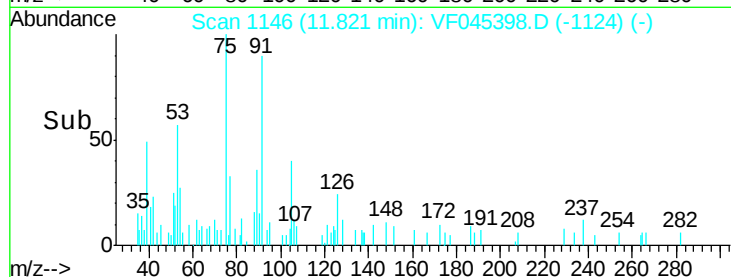
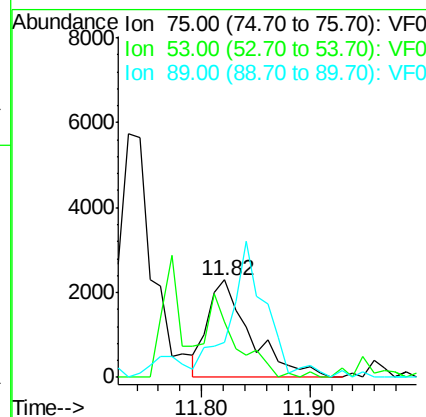
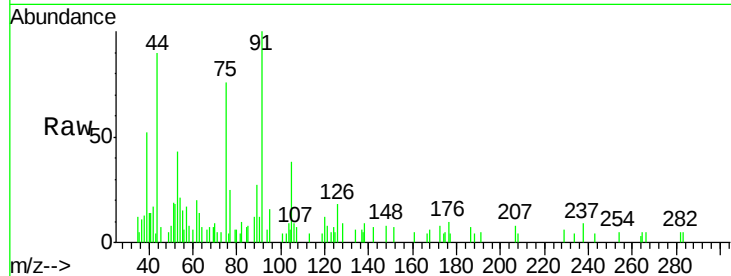
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	75	Resp:	6370
Ion Ratio	Lower	Upper	
75	100		
53	56.5	51.0	76.6
89	35.8	38.6	57.8#

Manual Integrations
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#81

4-Chlorotoluene

Concen: 1.39 ug/l

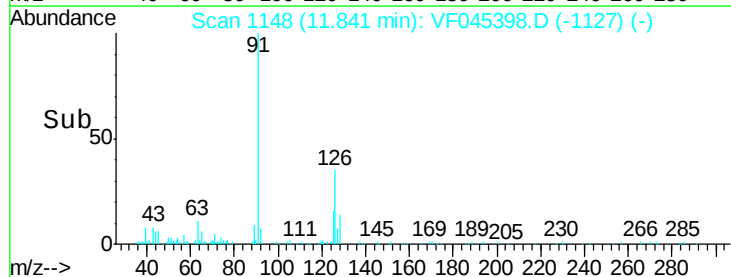
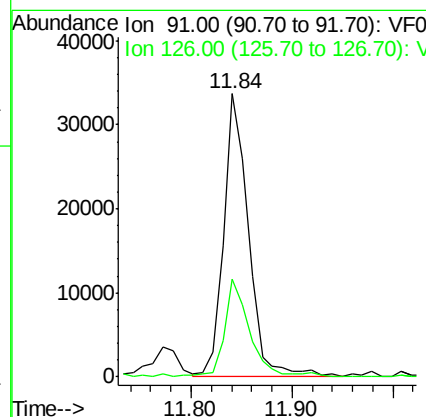
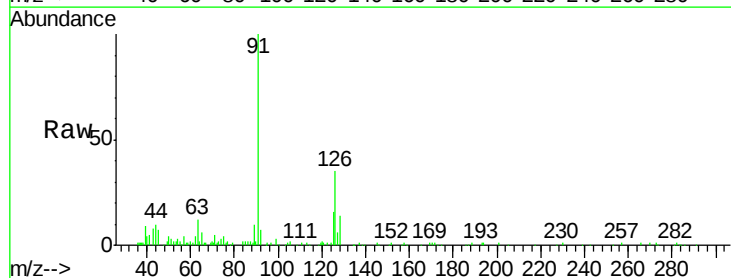
RT: 11.84 min Scan# 1148

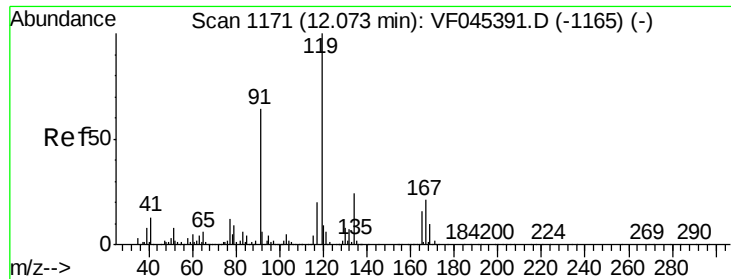
Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:	91	Resp:	58034
Ion Ratio	Lower	Upper	
91	100		
126	34.6	15.8	47.4





#82

tert-Butylbenzene

Concen: 1.46 ug/l

RT: 12.08 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

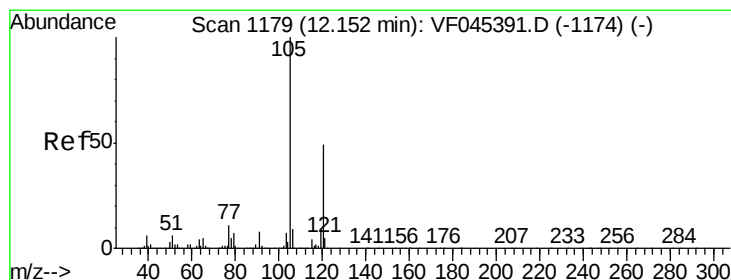
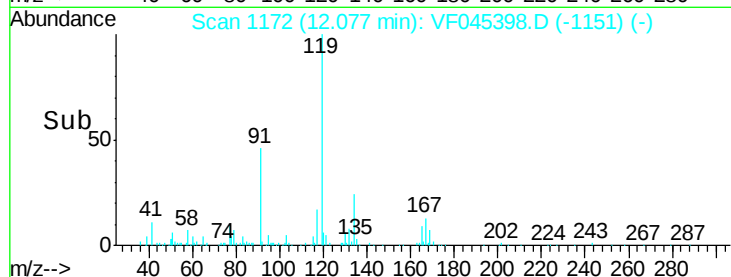
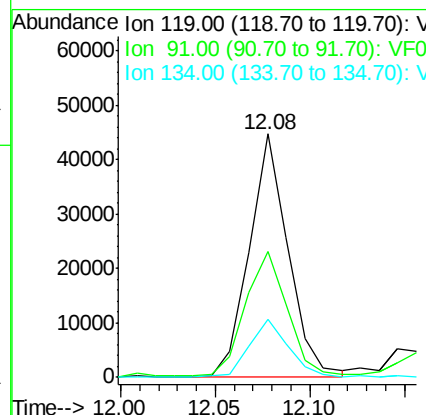
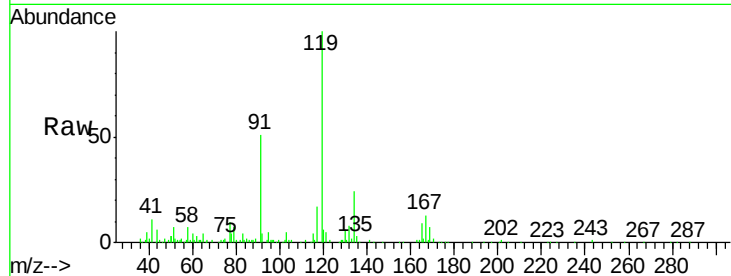
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	119	Resp:	64296
Ion Ratio	Lower	Upper	
119	100		
91	51.5	31.1	93.2
134	23.6	12.2	36.6

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#83

1,2,4-Trimethylbenzene

Concen: 1.35 ug/l

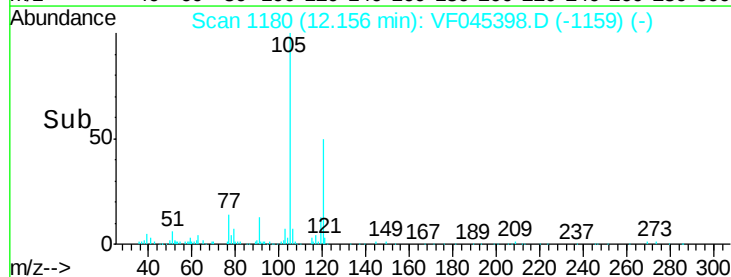
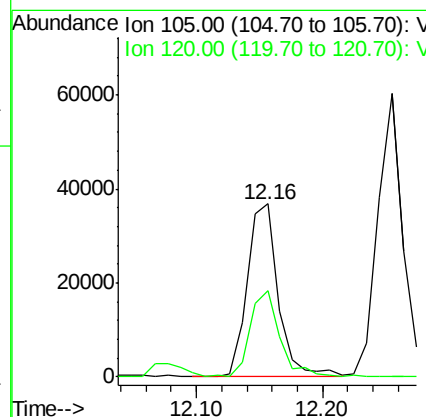
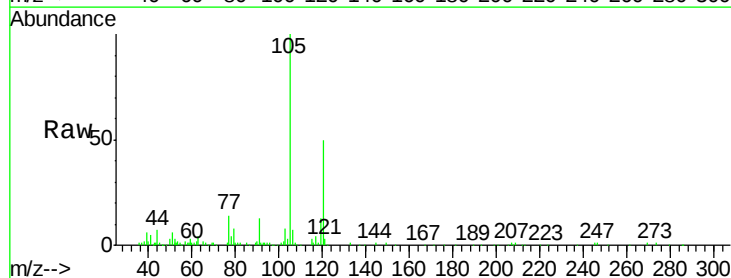
RT: 12.16 min Scan# 1180

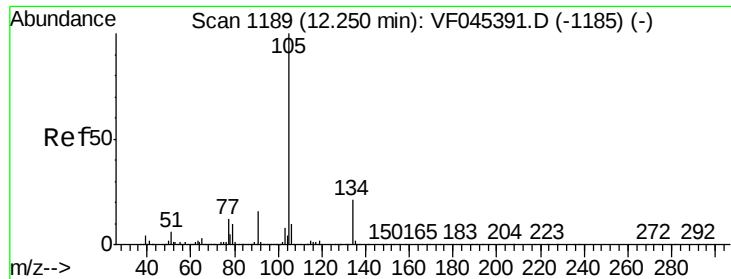
Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Tgt Ion:	105	Resp:	61457
Ion Ratio	Lower	Upper	
105	100		
120	49.6	22.9	68.7





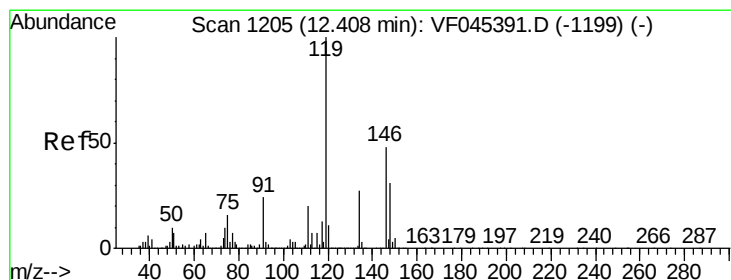
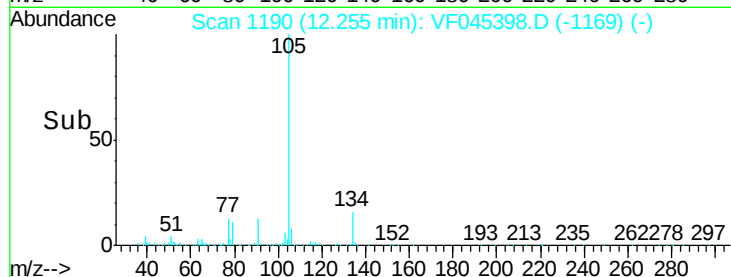
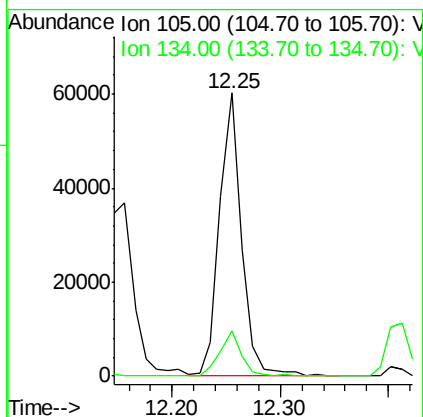
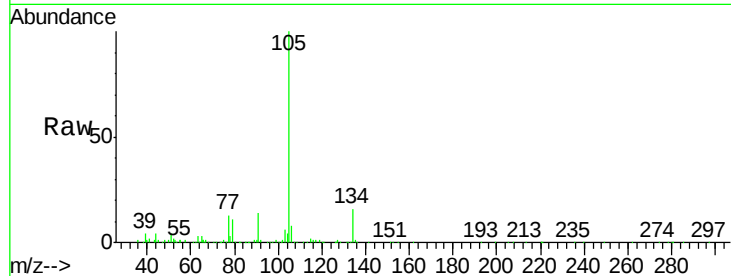
#84
 sec-Butylbenzene
 Concen: 1.40 ug/l
 RT: 12.25 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.2	10.5	31.6

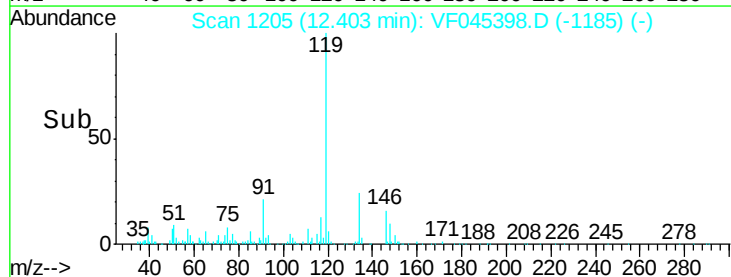
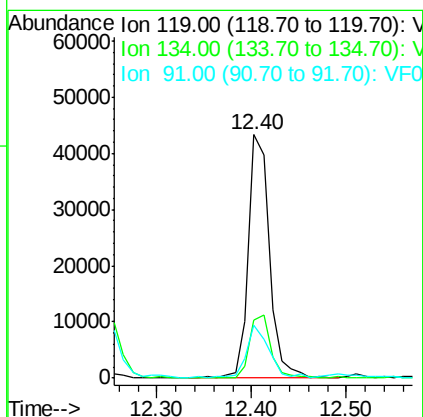
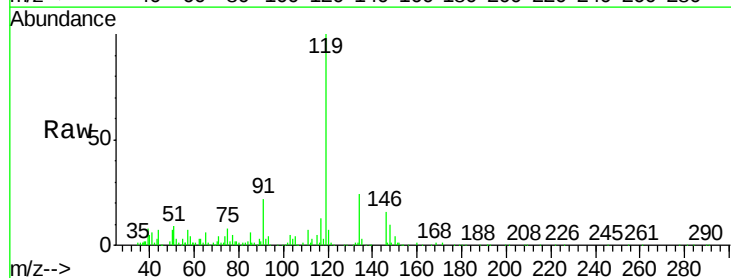
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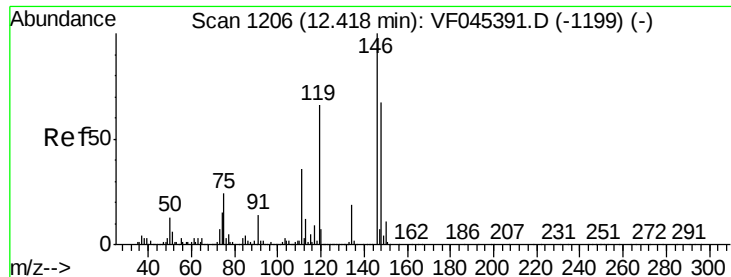
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#85
 p-Isopropyltoluene
 Concen: 1.41 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

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





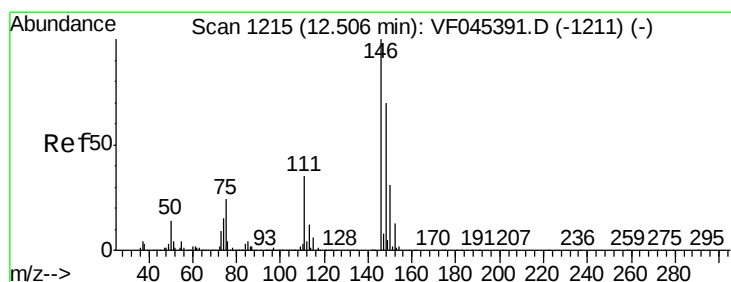
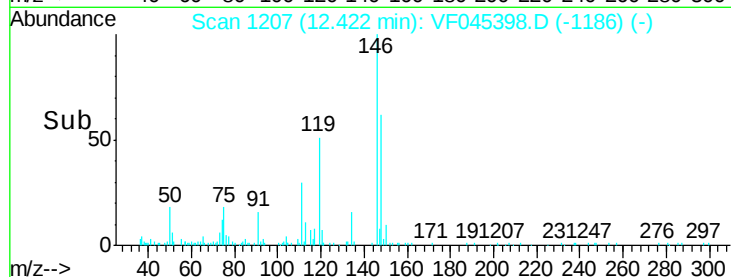
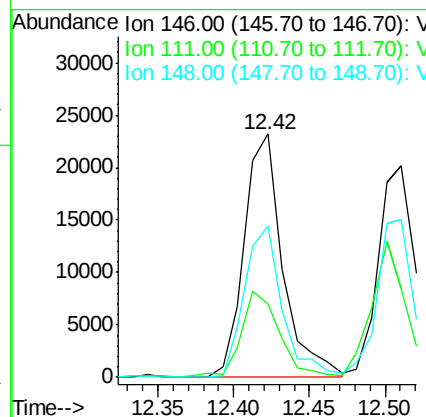
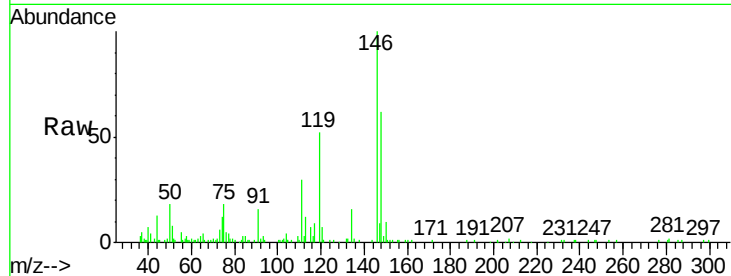
#86
 1,3-Dichlorobenzene
 Concen: 1.56 ug/l
 RT: 12.42 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
146	100		
111	30.1	19.9	59.7
148	62.0	32.5	97.4

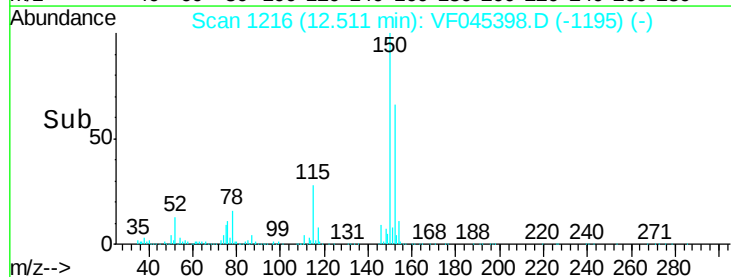
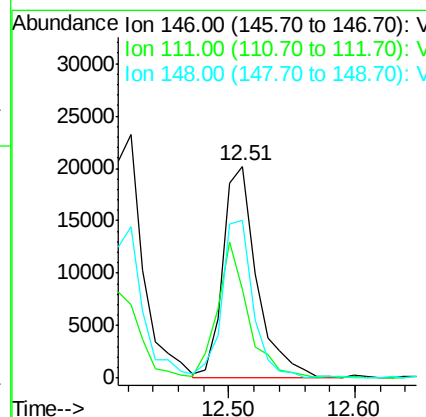
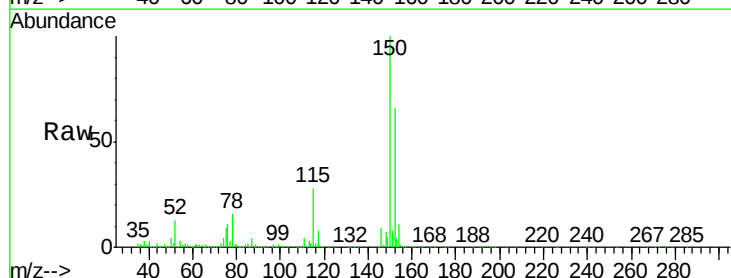
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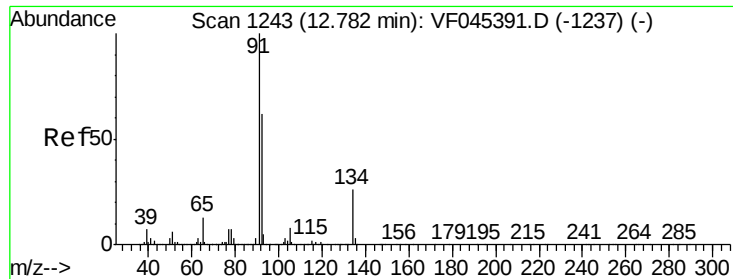
MMDadoda
 9/17/2015 12:51:27 PM



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

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





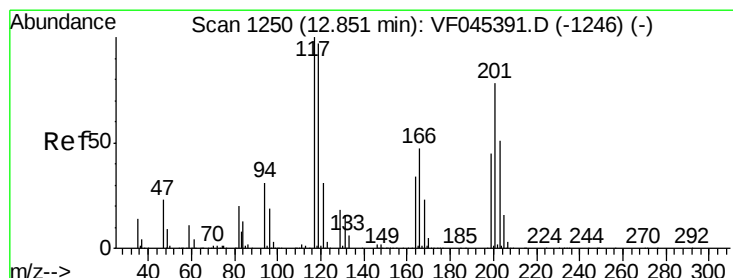
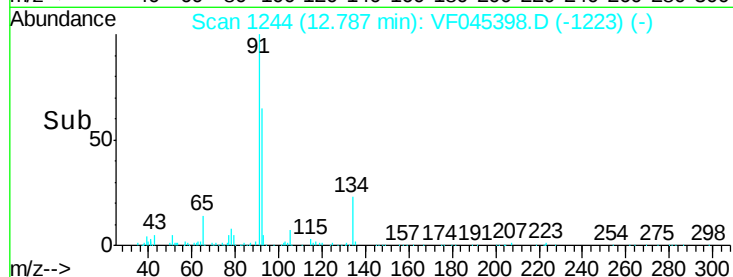
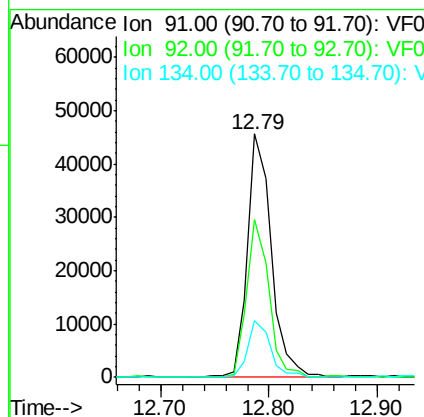
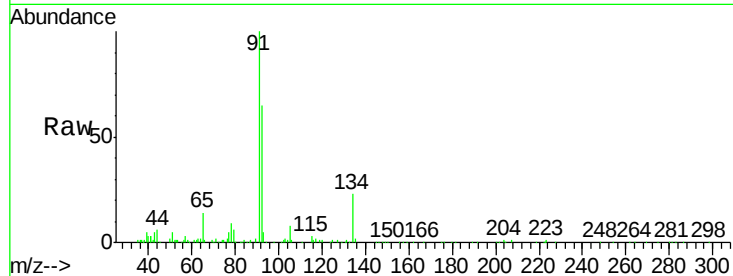
#88
n-Butylbenzene
Concen: 1.47 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Instrument :
MSVOA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.8	30.1	90.5
134	23.3	13.8	41.4

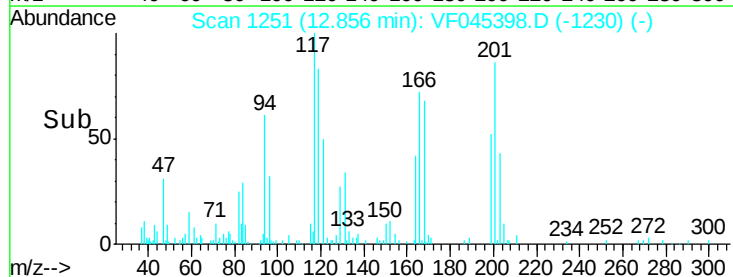
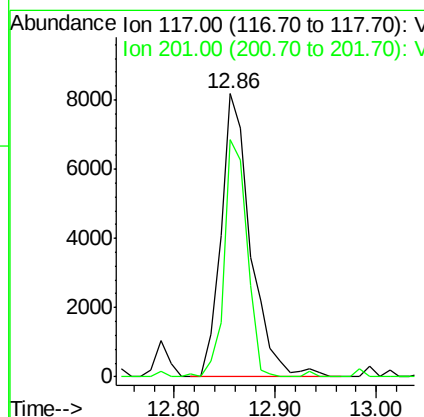
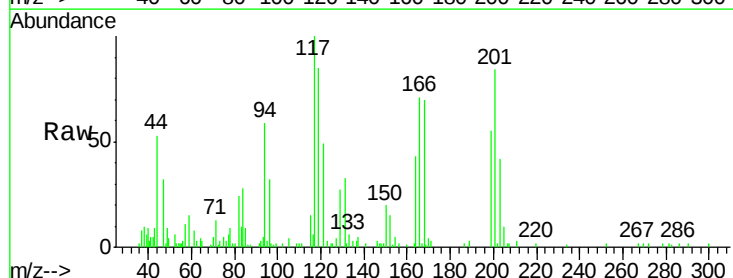
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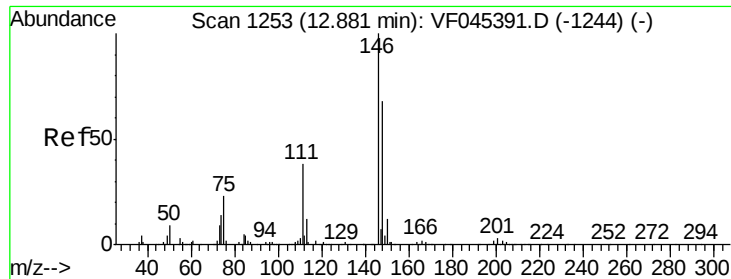
MMDadoda
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#89
Hexachloroethane
Concen: 1.48 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VF045398.D
Acq: 16 Sep 2015 19:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	42.0	126.1





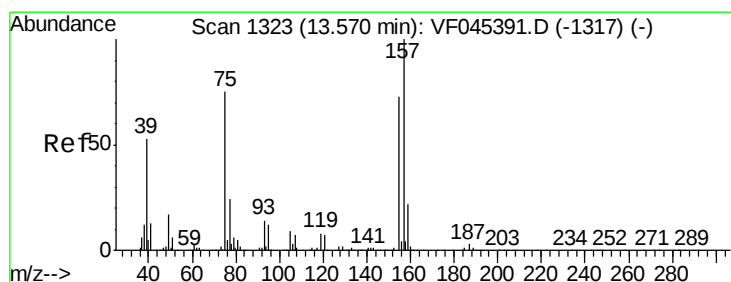
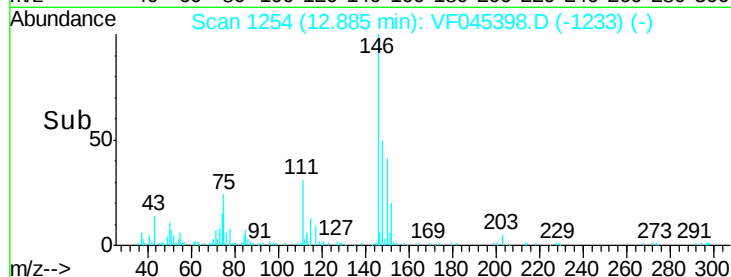
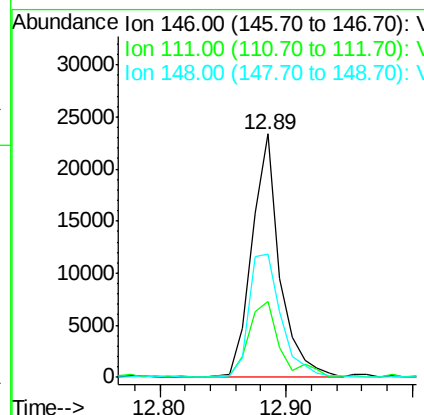
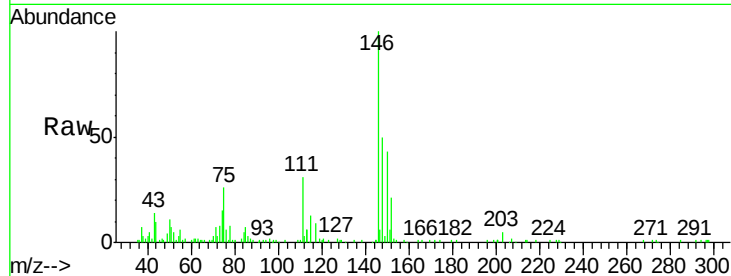
#90
 1,2-Dichlorobenzene
 Concen: 1.48 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
146	100		
111	31.1	21.4	64.3
148	50.4	31.4	94.3

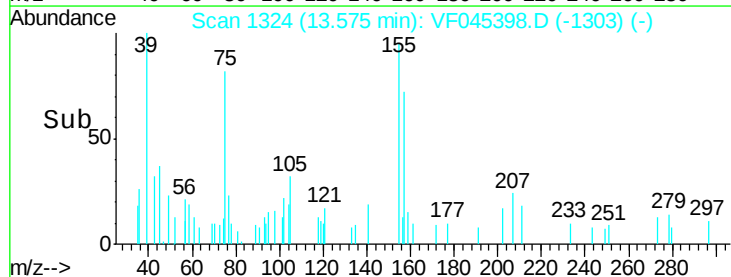
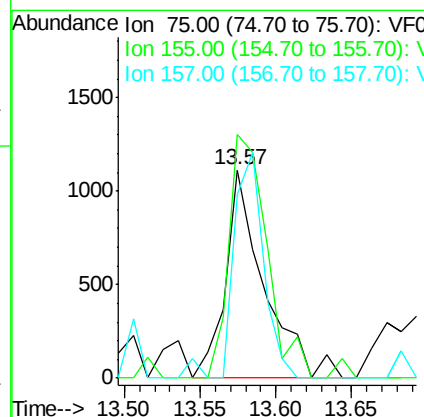
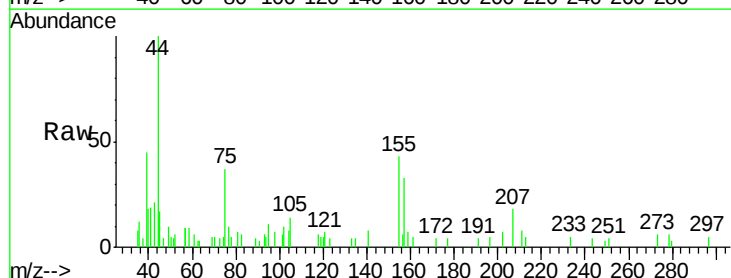
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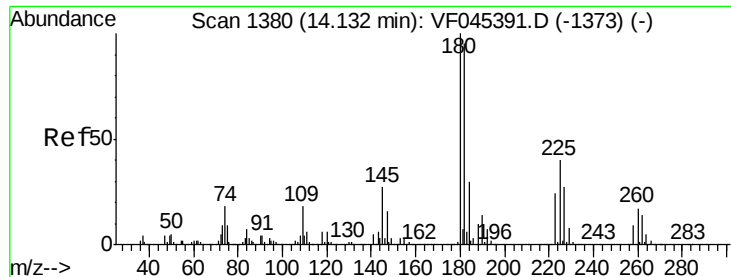
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#91
 1,2-Dibromo-3-Chloropropane
 Concen: 1.21 ug/l
 RT: 13.57 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

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





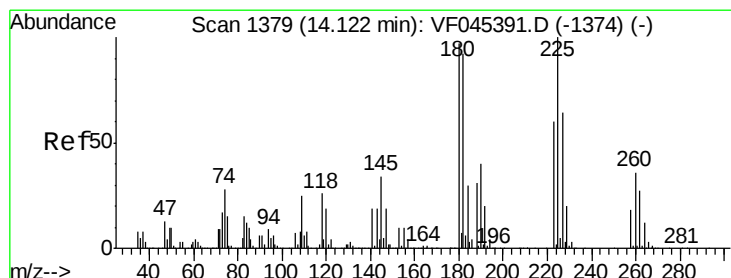
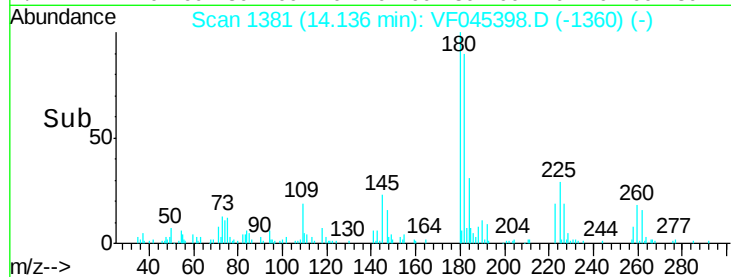
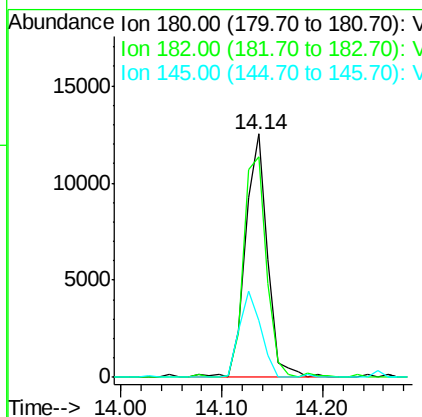
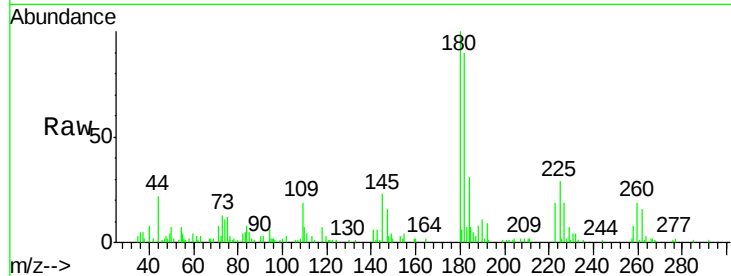
#92
 1,2,4-Trichlorobenzene
 Concen: 1.37 ug/l
 RT: 14.14 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-SOIL2015-01

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

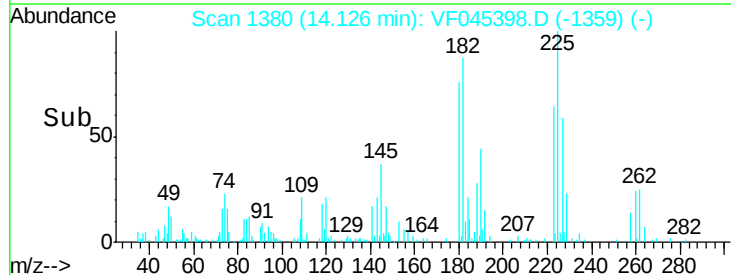
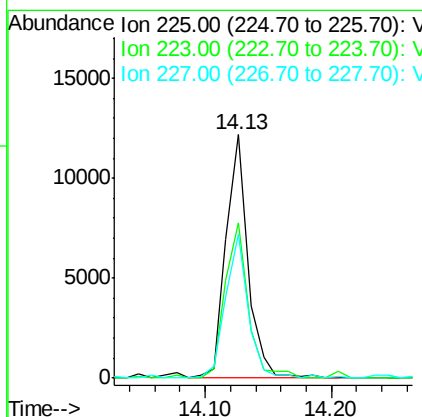
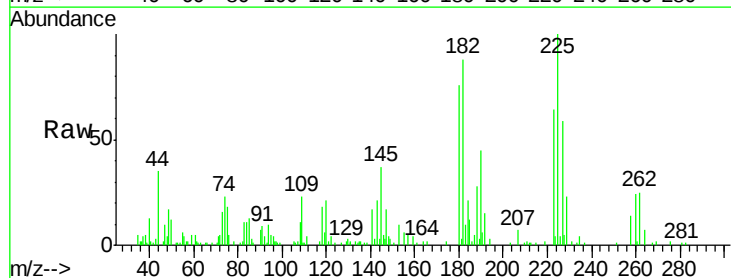
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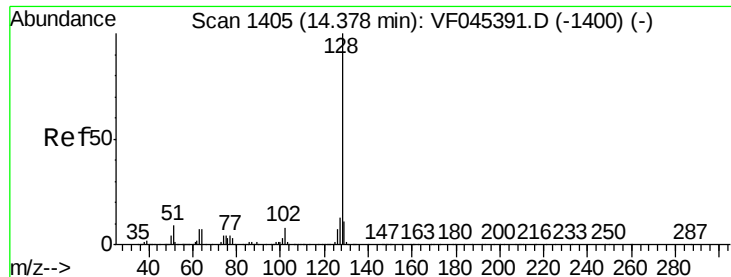
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#93
 Hexachlorobutadiene
 Concen: 1.39 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VF045398.D
 Acq: 16 Sep 2015 19:38

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





#94

Naphthalene

Concen: 2.76 ug/l

RT: 14.38 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

Instrument :

MSVOA_F

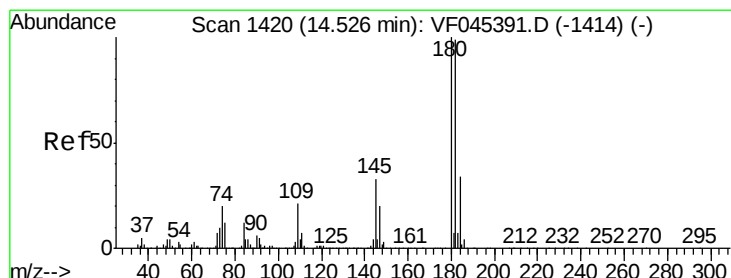
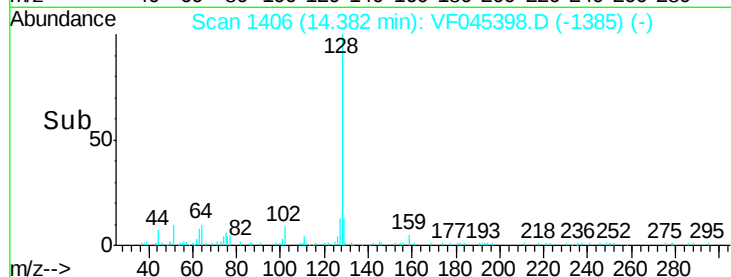
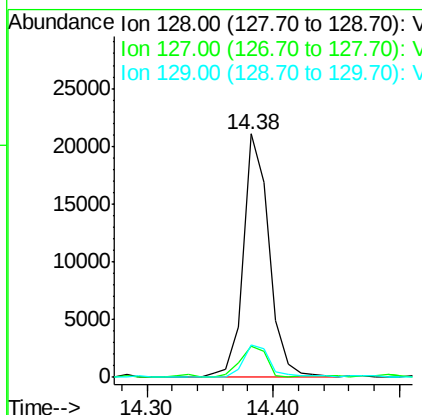
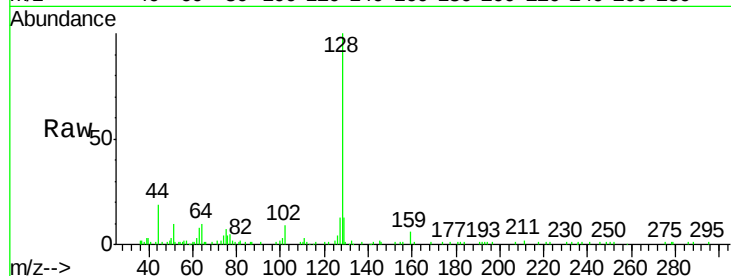
ClientSampleId :

LOD-SOIL2015-01

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

Manual Integrations
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#95

1,2,3-Trichlorobenzene

Concen: 1.37 ug/l

RT: 14.53 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VF045398.D

Acq: 16 Sep 2015 19:38

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

