

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046791.D
 Acq On : 18 Sep 2015 19:45
 Operator : FY/SY
 Sample : G3707-03LOD 1ppb
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:24 AM

Quant Time: Sep 19 00:48:25 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	161473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	225933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	216368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	109372	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.73	65	98179	58.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	116.96%	
35) Dibromofluoromethane	6.21	113	92647	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	9.62	98	293543	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.85	95	112849	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.42	85	4045	Below Cal		81
3) Chlorodifluoromethane	1.44	51	3529	Below Cal	#	93
4) Chloromethane	1.58	50	1615	1.70	ug/l #	81
5) Vinyl Chloride	1.68	62	1734	1.94	ug/l	92
6) Bromomethane	1.98	94	1689	Below Cal		91
7) Chloroethane	2.09	64	1013	1.81	ug/l	89
8) Trichlorofluoromethane	2.33	101	4704	1.78	ug/l	88
9) Diethyl Ether	2.64	74	620	1.32	ug/l	72
10) 1,1,2-Trichlorotrifluoroet	2.90	101	2673	1.62	ug/l #	79
11) Methyl Iodide	3.06	142	1314	2.39	ug/l	95
12) Tert butyl alcohol	3.66	59	2179	Below Cal	#	74
13) 1,1-Dichloroethene	2.88	96	1740	1.34	ug/l	89
14) Acrolein	2.78	56	494	5.76	ug/l	82
15) Allyl chloride	3.33	41	2990	1.14	ug/l #	78
16) Acrylonitrile	3.85	53	1180	6.02	ug/l #	93
17) Acetone	2.95	43	2804	9.88	ug/l #	88
18) Carbon Disulfide	3.14	76	6700	1.38	ug/l	96
19) Methyl Acetate	3.34	43	2435	1.48	ug/l	98
20) Methyl tert-butyl Ether	3.92	73	2140	1.06	ug/l #	88
21) Methylene Chloride	3.51	84	5676	3.68	ug/l #	94
22) trans-1,2-Dichloroethene	3.90	96	2034	1.39	ug/l #	88
24) Vinyl Acetate	4.62	43	2939	17.69	ug/l #	87
25) 1,1-Dichloroethane	4.57	63	3777	1.41	ug/l #	93
26) 2-Butanone	5.46	43	1928	6.05	ug/l #	63
27) 2,2-Dichloropropane	5.43	77	3986	1.44	ug/l	98
28) cis-1,2-Dichloroethene	5.44	96	2057	1.35	ug/l	53
29) Bromochloromethane	5.80	49	1470	1.39	ug/l #	82
30) Chloroform	5.98	83	5038	1.55	ug/l	95
31) Cyclohexane	6.30	56	6227	2.47	ug/l #	25
32) 1,1,1-Trichloroethane	6.18	97	3944	1.36	ug/l #	84
36) 1,1-Dichloropropene	6.44	75	3290	1.25	ug/l #	91
37) Ethyl Acetate	5.56	43	1836	2.16	ug/l #	88
38) Carbon Tetrachloride	6.41	117	3623	1.32	ug/l	91
39) Methylcyclohexane	8.09	83	2912	1.09	ug/l #	72

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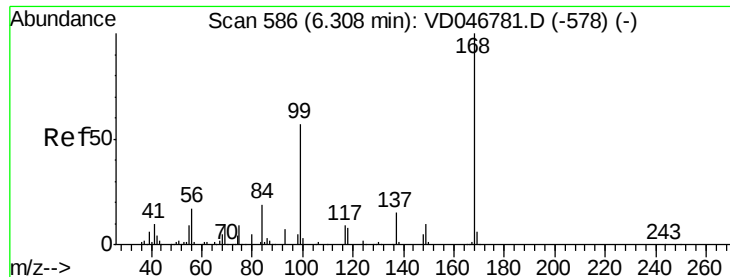
Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:24 AM

Quant Time: Sep 19 00:48:25 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.74	78	8672	1.29	ug/l	91
41) Methacrylonitrile	5.74	41	545	1.15	ug/l #	36
42) 1,2-Dichloroethane	6.83	62	2809	1.34	ug/l	97
43) Isopropyl Acetate	8.42	43	1278	1.14	ug/l #	78
44) Trichloroethene	7.75	130	2308	1.37	ug/l	98
45) 1,2-Dichloropropane	8.16	63	1994	1.19	ug/l #	67
46) Dibromomethane	8.27	93	1164	1.23	ug/l	88
47) Bromodichloromethane	8.56	83	3313	1.33	ug/l #	92
48) Methyl methacrylate	8.09	41	2333	1.36	ug/l #	83
51) 4-Methyl-2-Pentanone	9.49	43	4086	5.06	ug/l	96
52) Toluene	9.73	92	5969	1.44	ug/l	79
55) 1,1,2-Trichloroethane	10.40	97	1441	1.34	ug/l #	79
56) Ethyl methacrylate	10.24	69	591m	4.36	ug/l	
57) 1,3-Dichloropropane	10.61	76	2683	1.34	ug/l #	83
58) 2-Chloroethyl Vinyl ether	9.04	63	1892	9.80	ug/l	94
59) 2-Hexanone	10.72	43	2566	4.40	ug/l	85
60) Dibromochloromethane	10.89	129	1931	1.31	ug/l	96
61) 1,2-Dibromoethane	11.02	107	1147	1.08	ug/l	83
64) Tetrachloroethene	10.47	164	2503	1.43	ug/l #	78
65) Chlorobenzene	11.62	112	5961	1.31	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.72	131	2456	1.47	ug/l	93
67) Ethyl Benzene	11.73	91	9665	1.06	ug/l	100
68) m/p-Xylenes	11.88	106	5361	1.86	ug/l	87
71) Bromoform	12.50	173	1047	1.18	ug/l #	75
74) N-amyl acetate	12.51	43	1393	5.36	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.99	83	1630	1.31	ug/l #	90
76) 1,2,3-Trichloropropane	13.04	75	1736	1.30	ug/l	90
77) Bromobenzene	12.99	156	2588	1.33	ug/l	97
78) n-propylbenzene	13.08	91	11517	1.06	ug/l	98
79) 2-Chlorotoluene	13.16	91	6937	1.15	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.74	75	255m	4.40	ug/l	
82) 4-Chlorotoluene	13.28	91	8231	1.14	ug/l	99
87) 1,3-Dichlorobenzene	13.84	146	4871	1.35	ug/l	82
88) 1,4-Dichlorobenzene	13.94	146	5729	1.59	ug/l	90
90) Hexachloroethane	14.48	117	1869	1.26	ug/l	82
91) 1,2-Dichlorobenzene	14.25	146	4131	1.36	ug/l	83
92) 1,2-Dibromo-3-Chloropropan	14.91	75	186	1.16	ug/l #	47
93) 1,2,4-Trichlorobenzene	15.58	180	2229	1.27	ug/l	69
94) Hexachlorobutadiene	15.69	225	2288	1.59	ug/l	82
95) Naphthalene	15.83	128	1897	3.16	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	1965	1.34	ug/l	90

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



#1

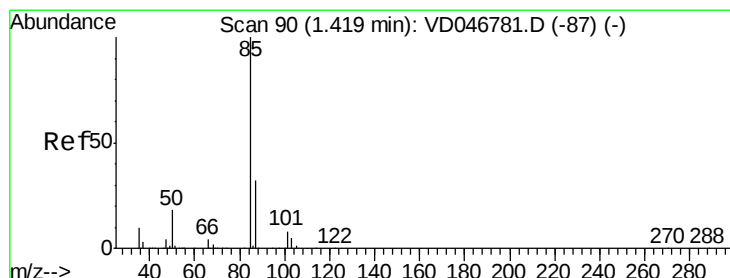
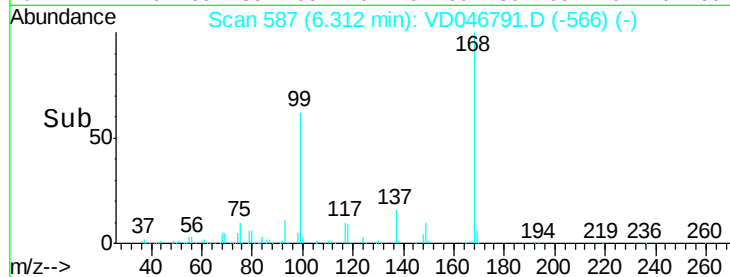
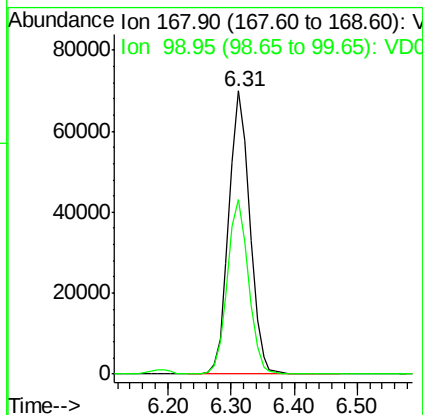
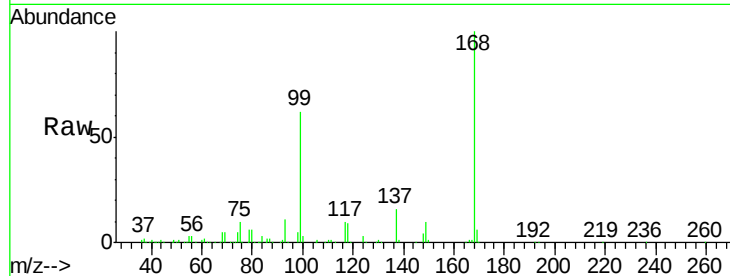
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
168	100		
99	61.6	42.4	63.6

Manual Integrations
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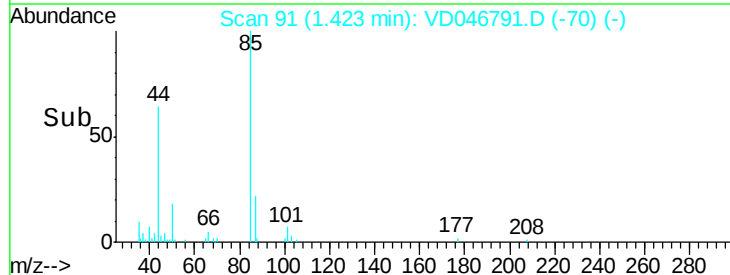
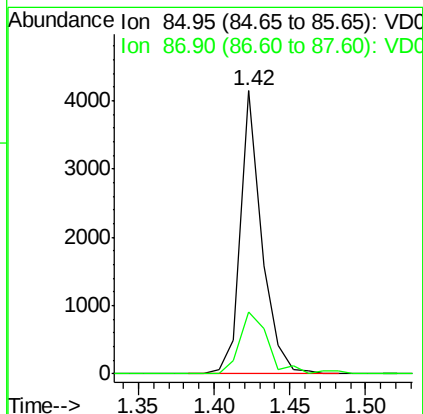
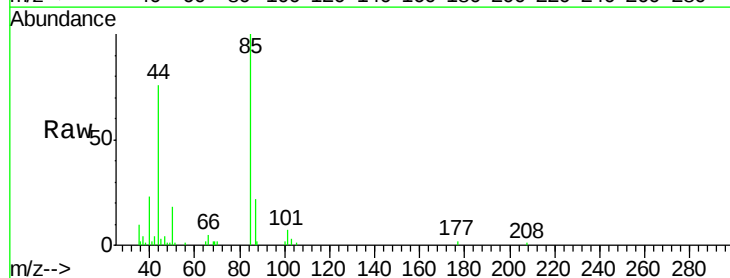
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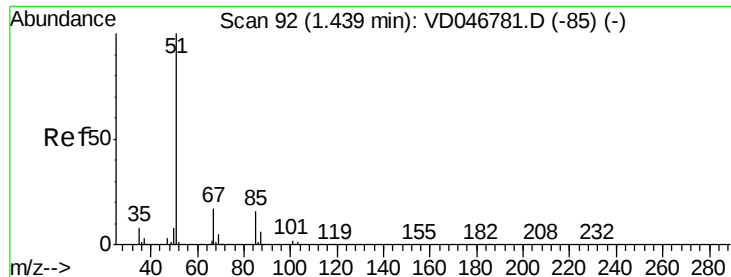


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.42 min Scan# 91
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	21.9	16.2	48.5





#3

Chlorodifluoromethane

Concen: Below Cal

RT: 1.44 min Scan# 93

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 51 Resp: 3529

Ion Ratio Lower Upper

51 100

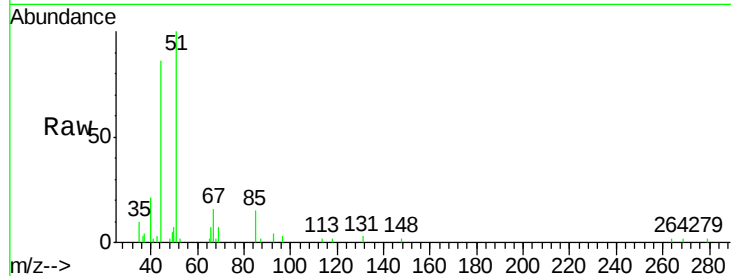
67 16.5 10.9 16.3#

Manual Integrations

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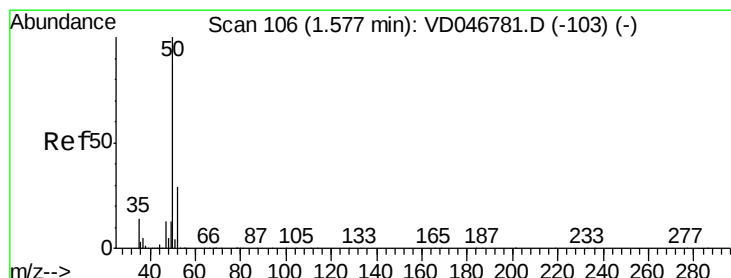
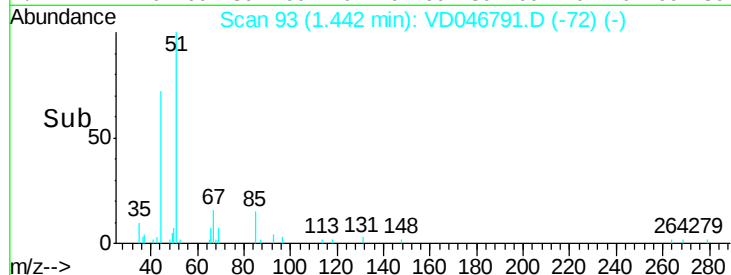
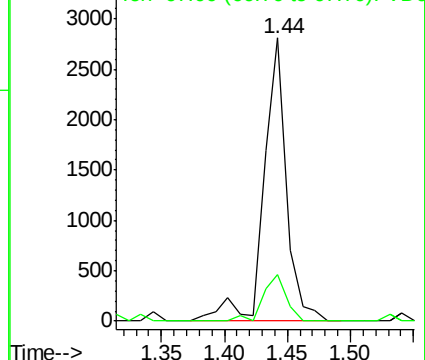
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 1.70 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD046791.D

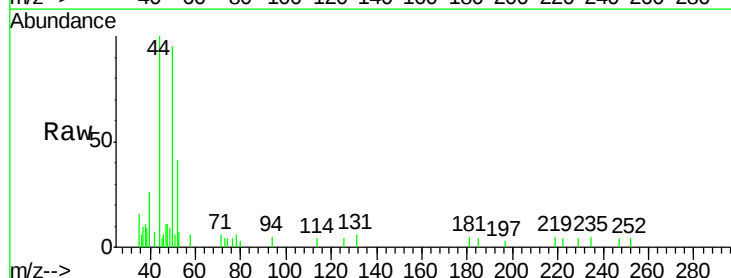
Acq: 18 Sep 2015 19:45

Tgt Ion: 50 Resp: 1615

Ion Ratio Lower Upper

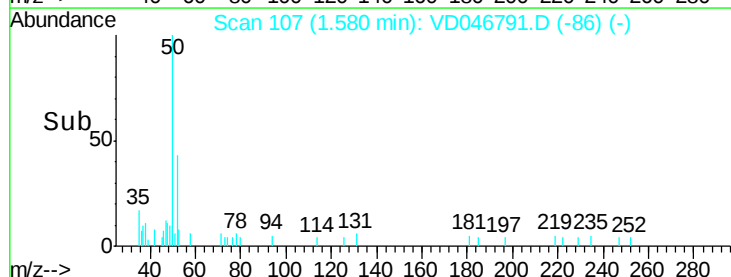
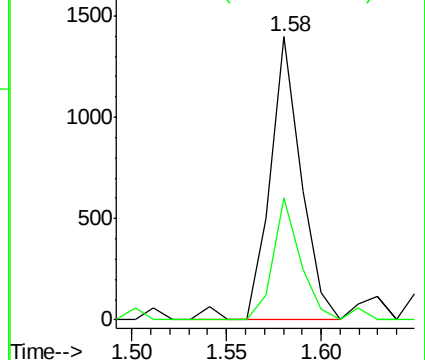
50 100

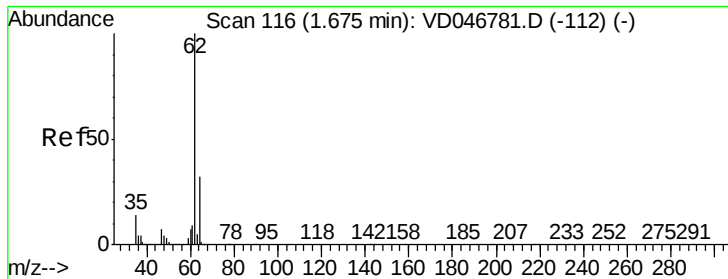
52 43.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 1.94 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

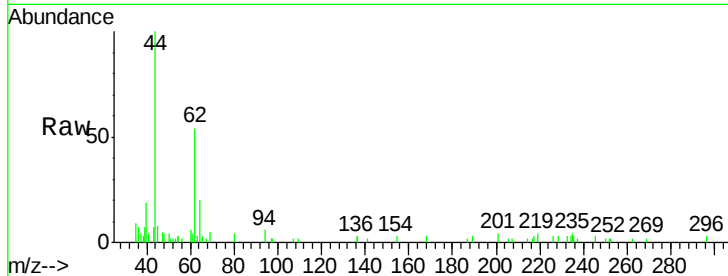
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
62	100		
64	37.3	26.4	39.6

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Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1500

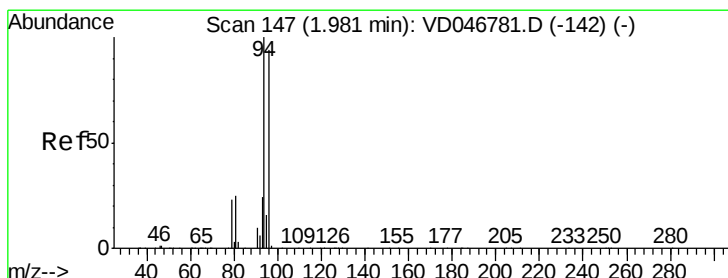
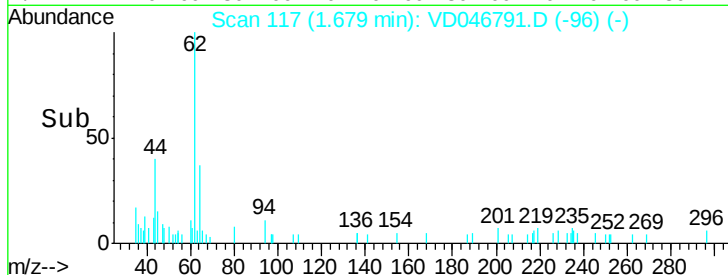
1000

500

0

1.60 1.65 1.70 1.75

Time-->



#6

Bromomethane

Concen: Below Cal

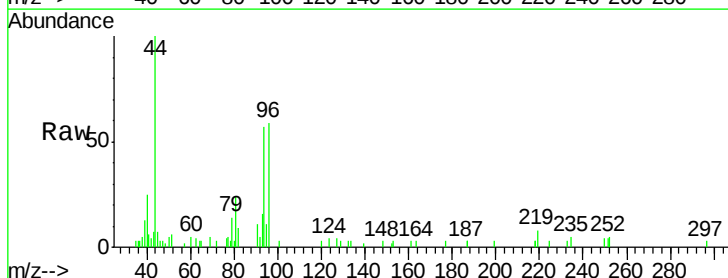
RT: 1.98 min Scan# 148

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
94	100		
96	103.3	76.0	114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1500

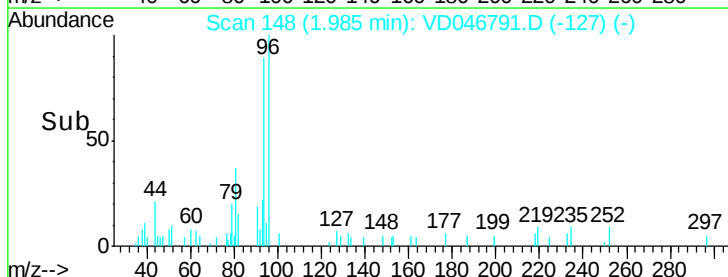
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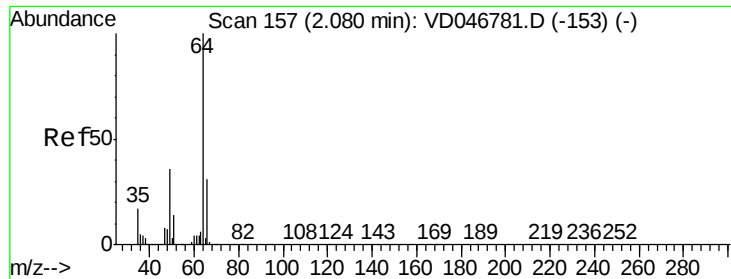
500

0

1.95 2.00

Time-->





#7

Chloroethane

Concen: 1.81 ug/l

RT: 2.09 min Scan# 159

Delta R.T. 0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

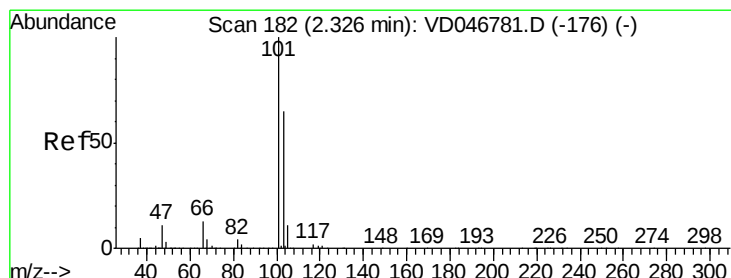
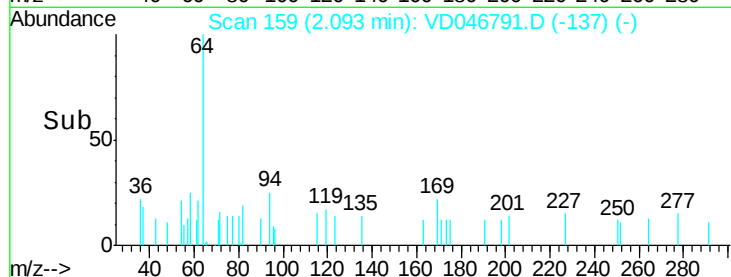
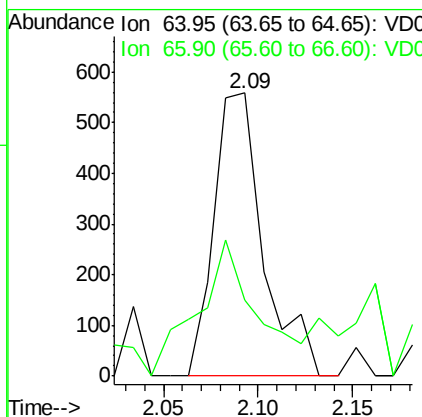
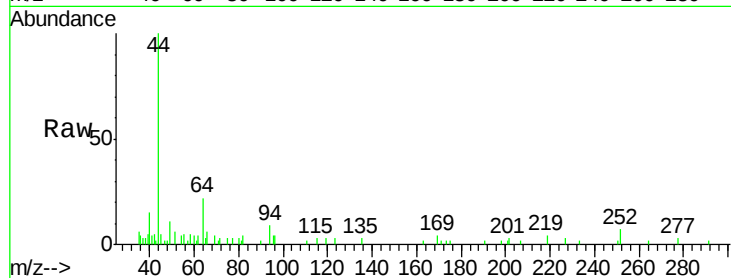
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
64	100		
66	27.1	26.6	39.8

Manual Integrations
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#8

Trichlorofluoromethane

Concen: 1.78 ug/l

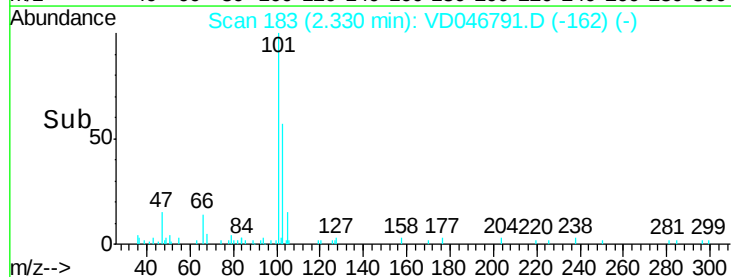
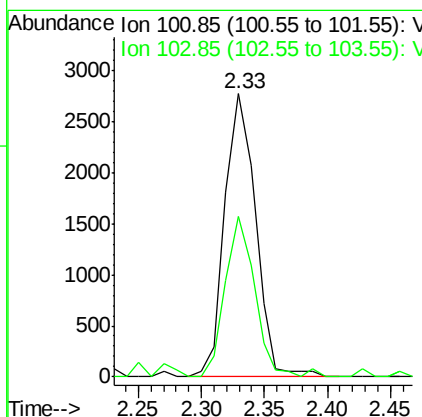
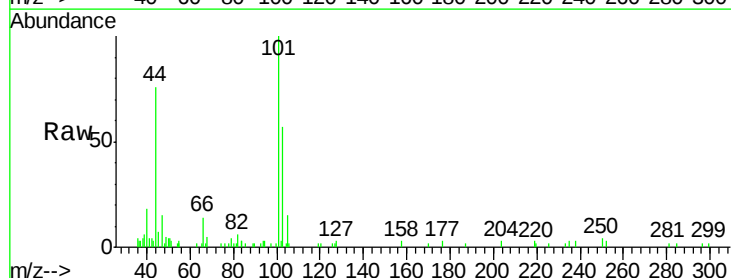
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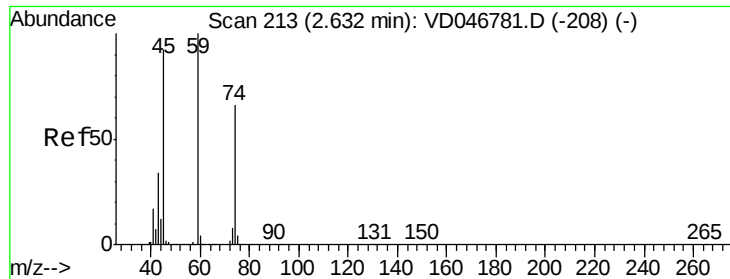
Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
101	100		
103	56.7	53.2	79.8





#9

Diethyl Ether

Concen: 1.32 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 74 Resp: 620

Ion Ratio Lower Upper

74 100

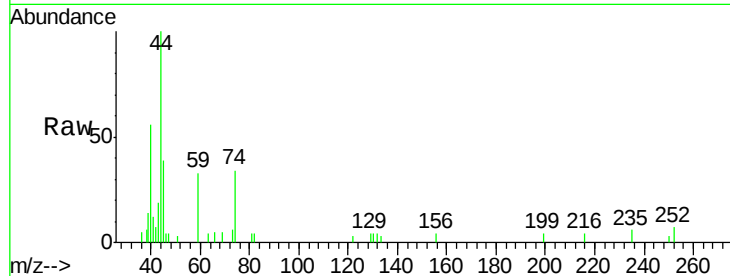
45 116.5 76.2 228.6

Manual Integrations

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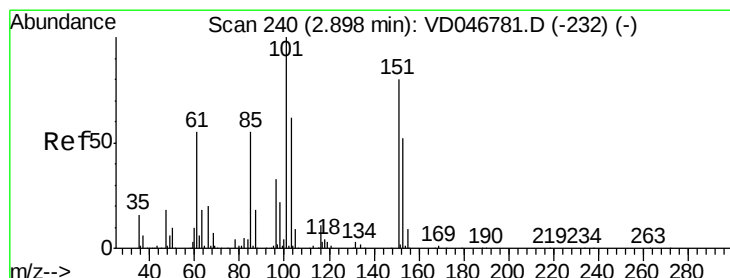
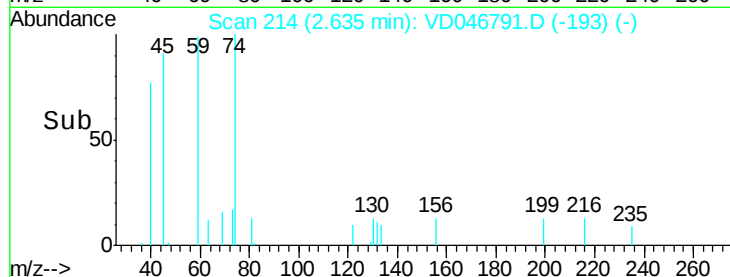
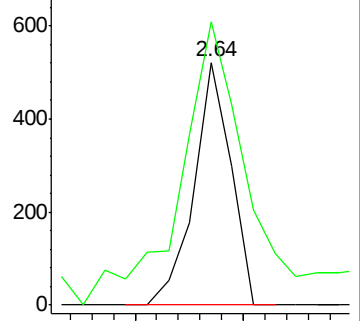
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Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 1.62 ug/l

RT: 2.90 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

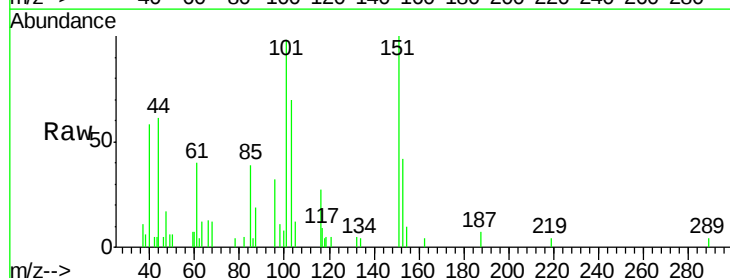
Tgt Ion: 101 Resp: 2673

Ion Ratio Lower Upper

101 100

85 39.6 42.0 63.0#

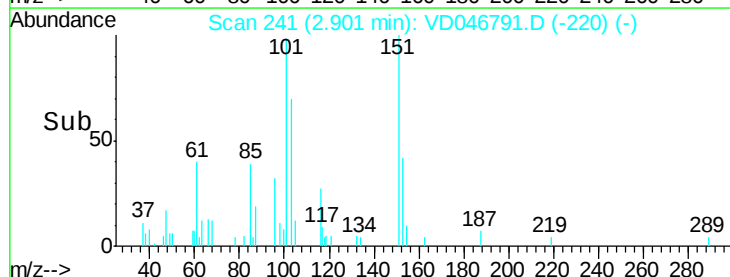
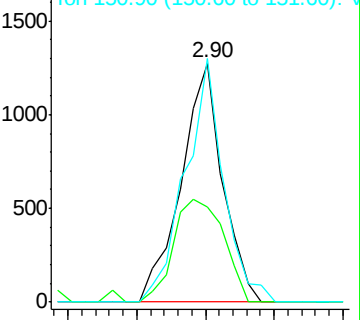
151 102.0 65.2 97.8#

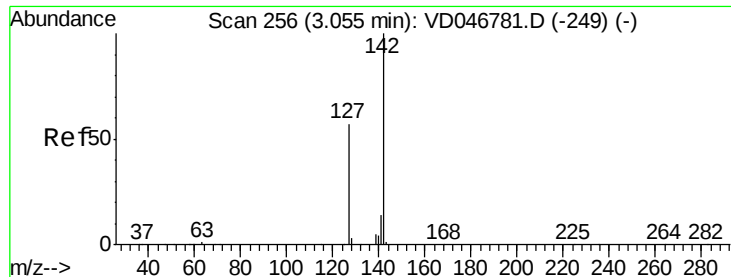


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





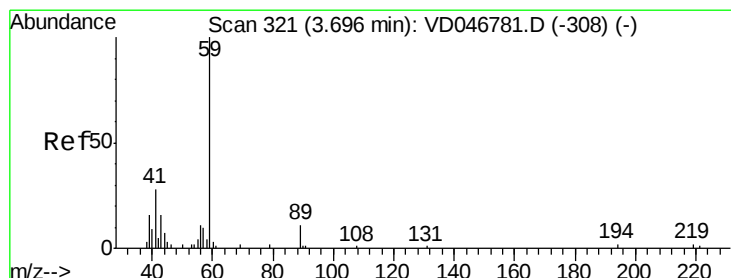
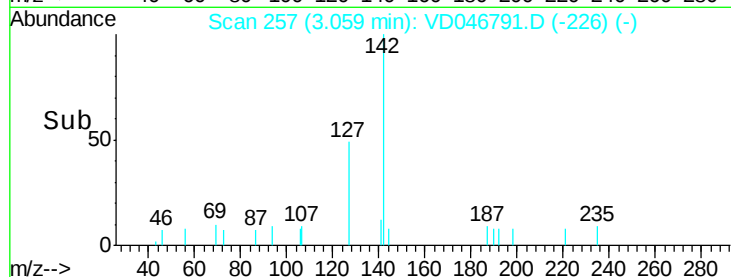
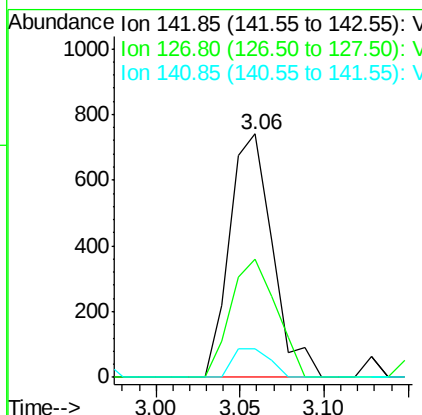
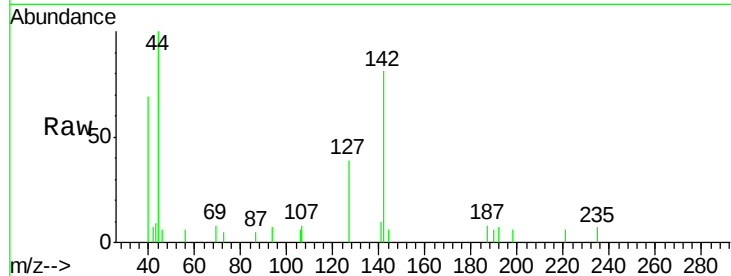
#11
Methyl Iodide
Concen: 2.39 ug/l
RT: 3.06 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.7	41.2	61.8
141	11.7	11.6	17.4

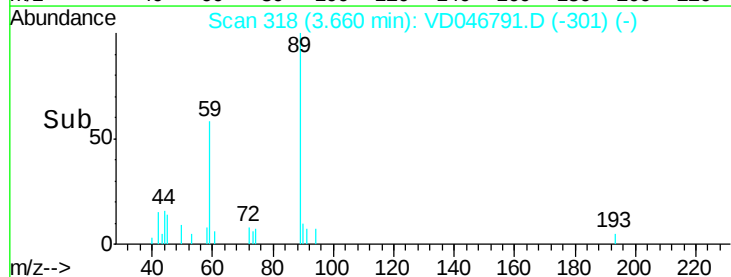
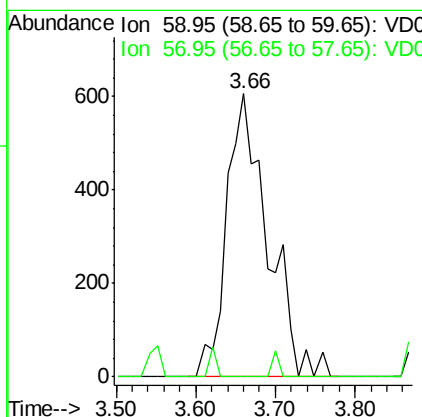
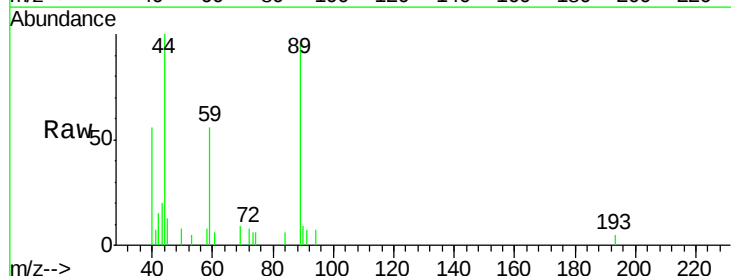
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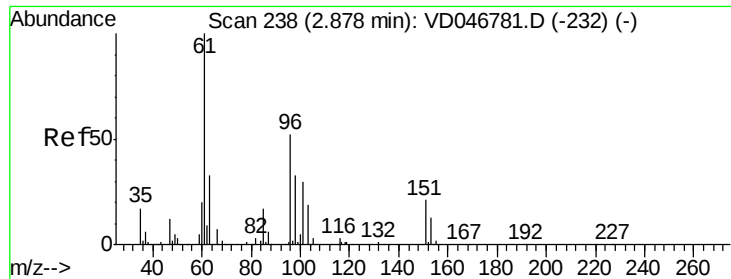
MMDadoda
9/21/2015 11:39:24 AM



#12
Tert butyl alcohol
Concen: Below Cal
RT: 3.66 min Scan# 318
Delta R.T. -0.04 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#





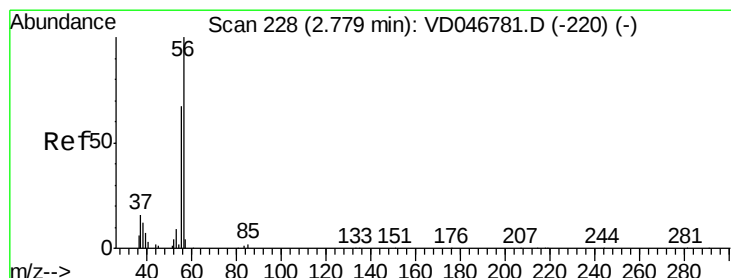
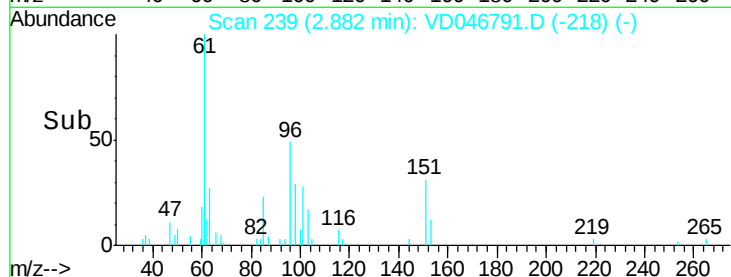
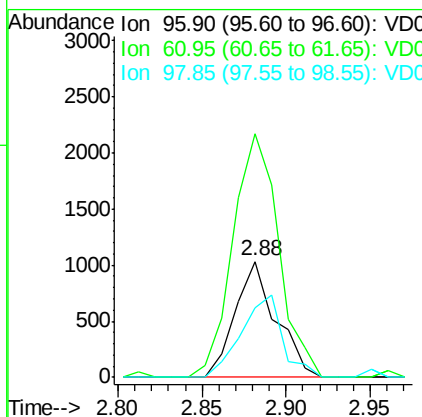
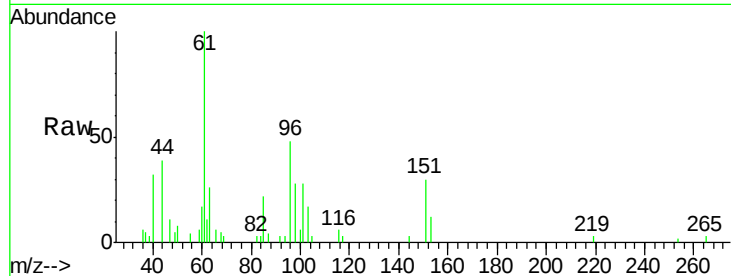
#13
 1,1-Dichloroethene
 Concen: 1.34 ug/l
 RT: 2.88 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	209.5	152.2	228.4
98	59.4	51.2	76.8

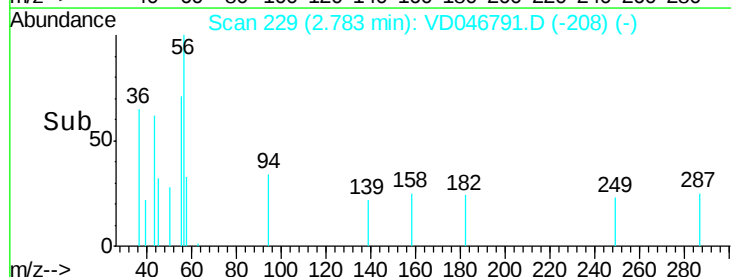
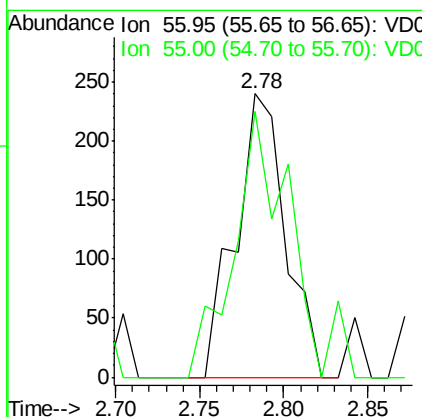
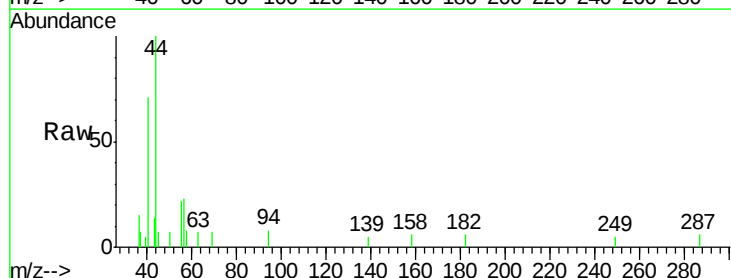
Manual Integrations
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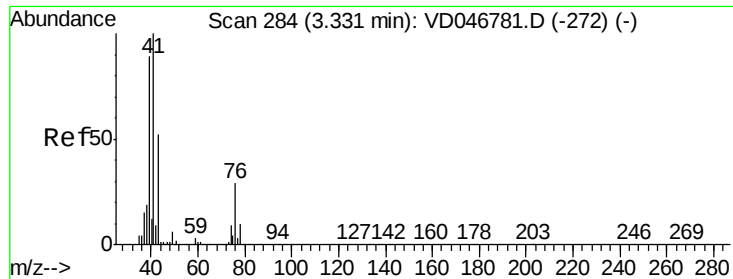
MMDadoda
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#14
 Acrolein
 Concen: 5.76 ug/l
 RT: 2.78 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
56	100		
55	93.7	62.6	93.8





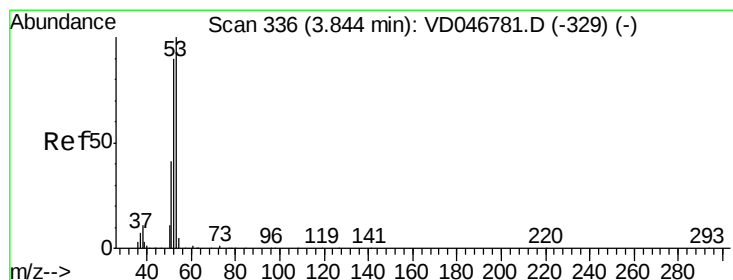
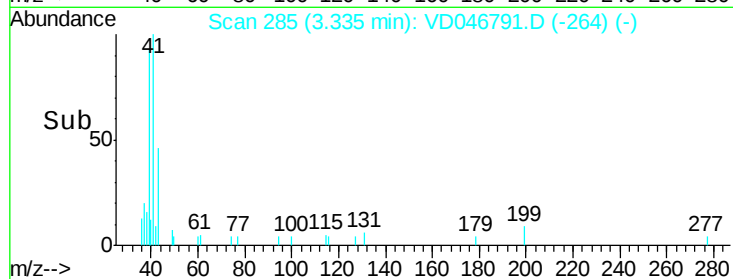
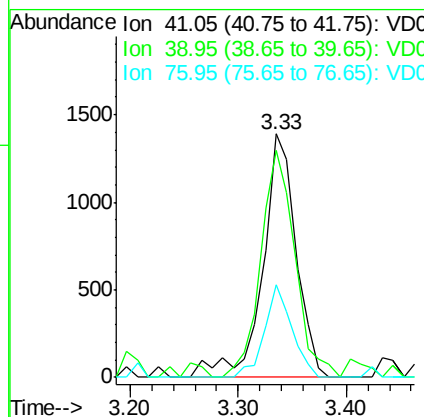
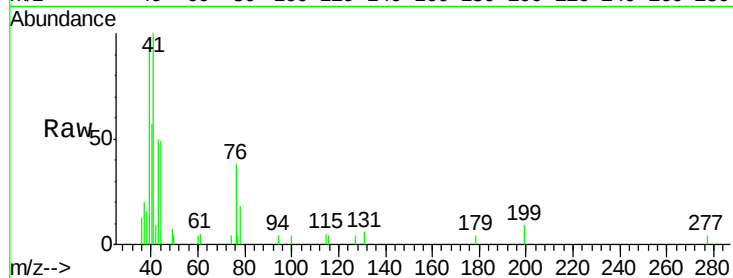
#15
 Allyl chloride
 Concen: 1.14 ug/l
 RT: 3.33 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	93.2	58.8	88.2#
76	38.1	22.7	34.1#

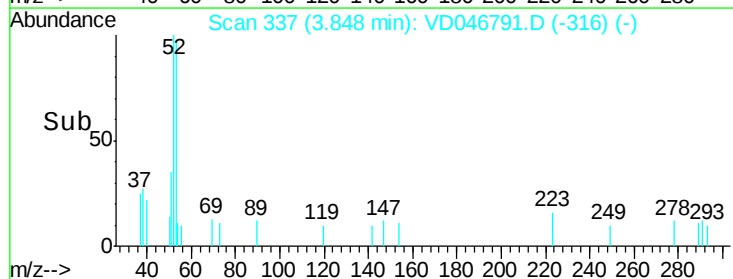
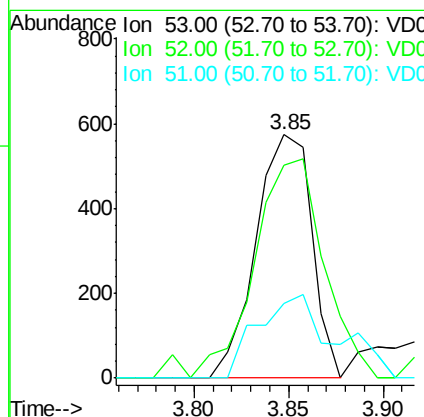
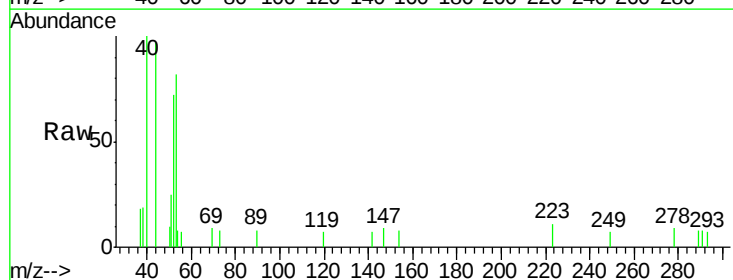
Manual Integrations
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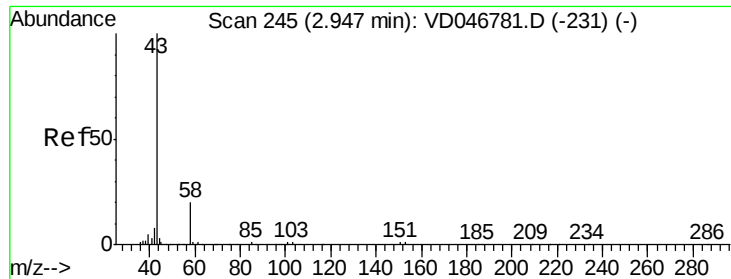
MMDadoda
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#16
 Acrylonitrile
 Concen: 6.02 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
53	100		
52	87.5	66.8	100.2
51	30.7	31.2	46.8#





#17

Acetone

Concen: 9.88 ug/l

RT: 2.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

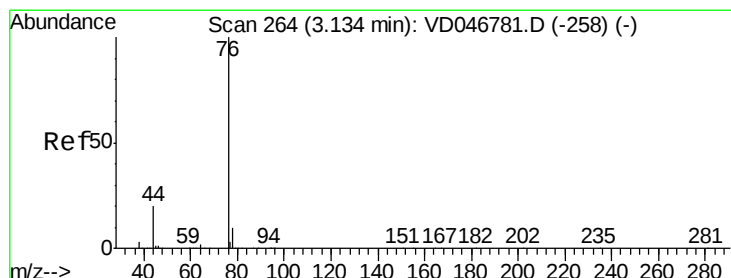
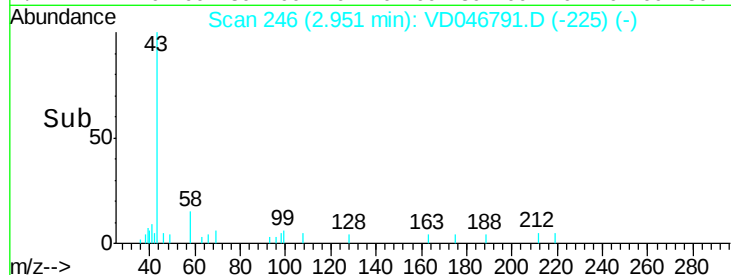
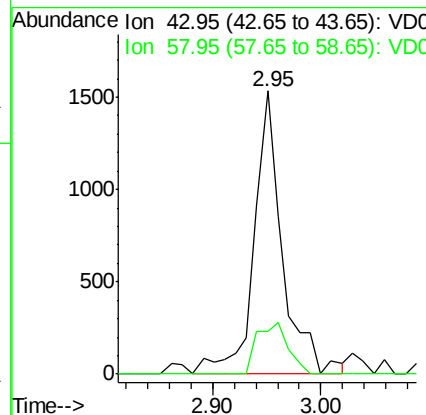
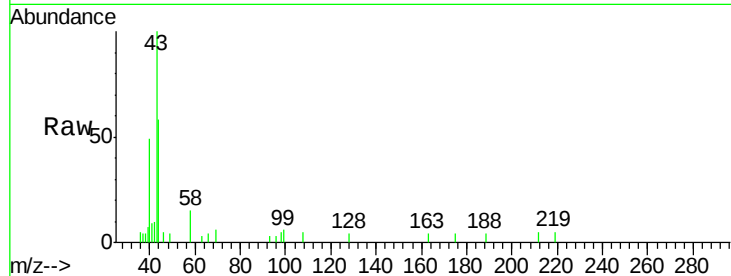
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 43 Resp: 2804
 Ion Ratio Lower Upper
 43 100
 58 15.1 16.6 24.8#

Manual Integrations
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#18

Carbon Disulfide

Concen: 1.38 ug/l

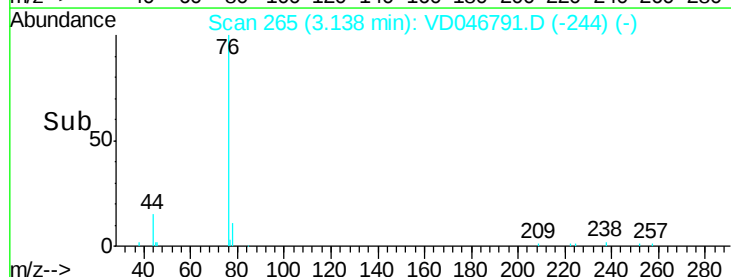
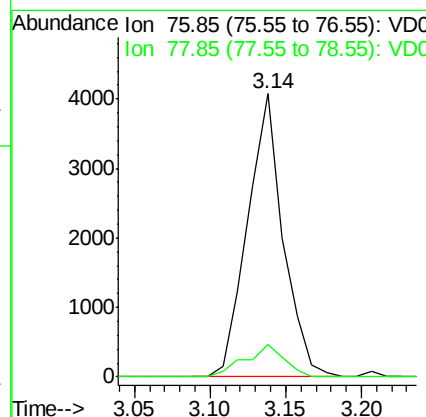
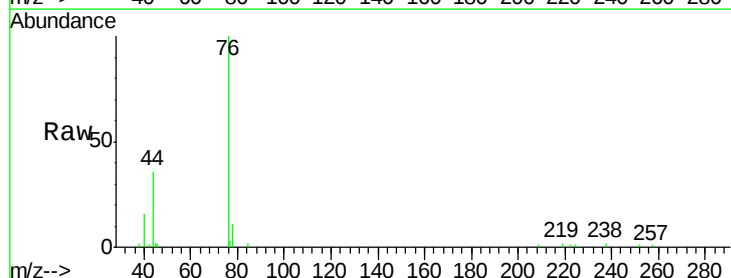
RT: 3.14 min Scan# 265

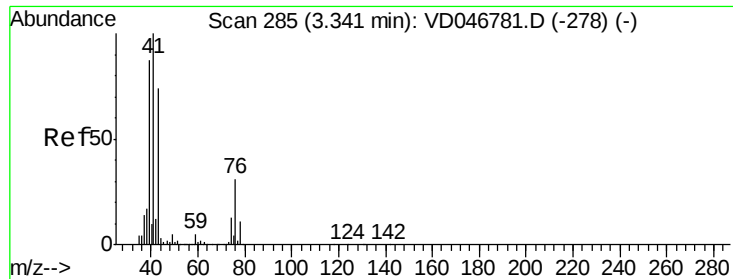
Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Tgt Ion: 76 Resp: 6700
 Ion Ratio Lower Upper
 76 100
 78 11.5 8.0 12.0





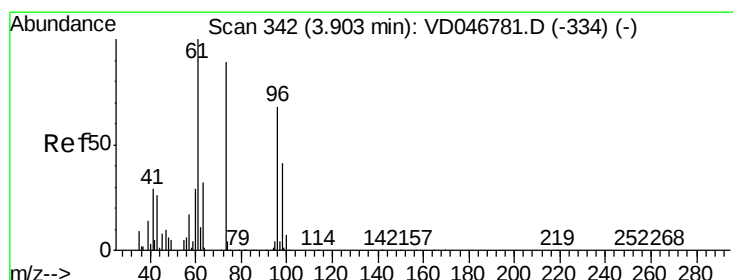
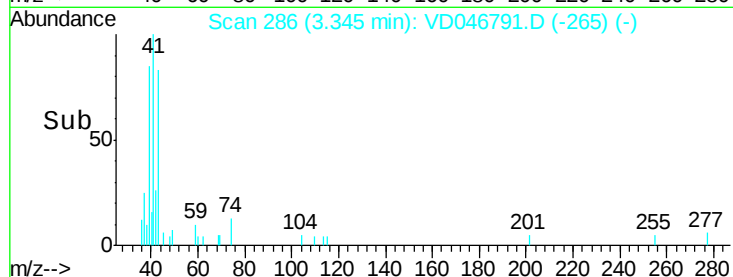
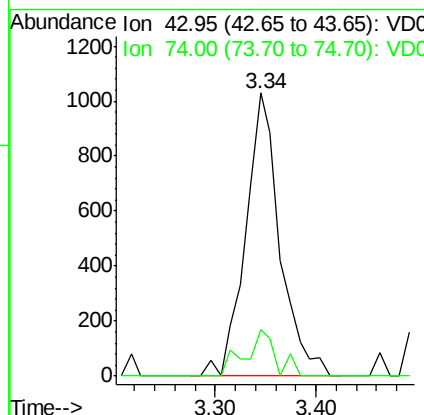
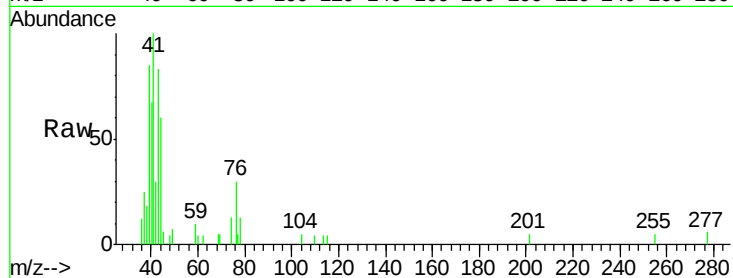
#19
Methyl Acetate
Concen: 1.48 ug/l
RT: 3.34 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
74 16.2 13.7 20.5

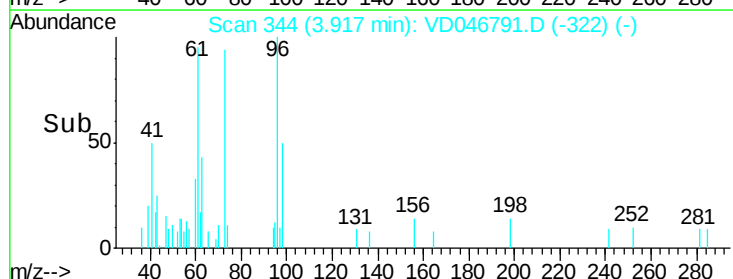
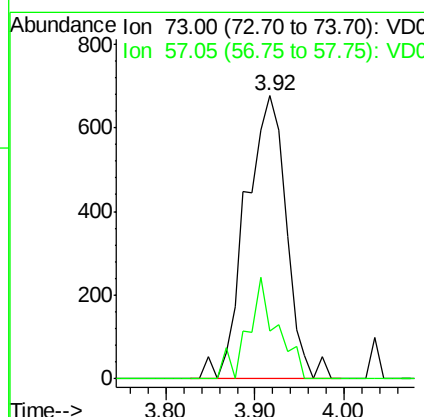
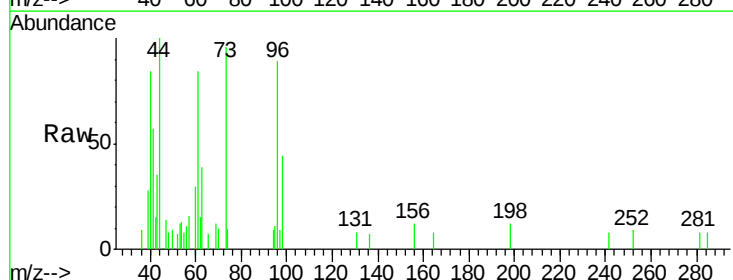
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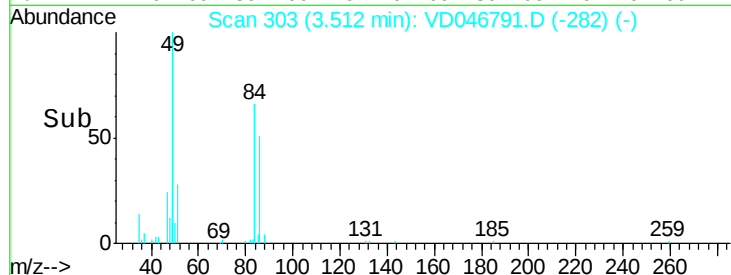
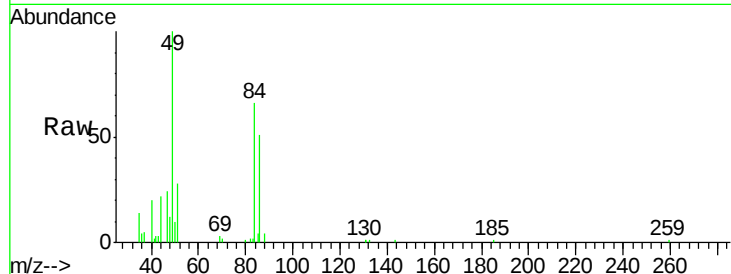
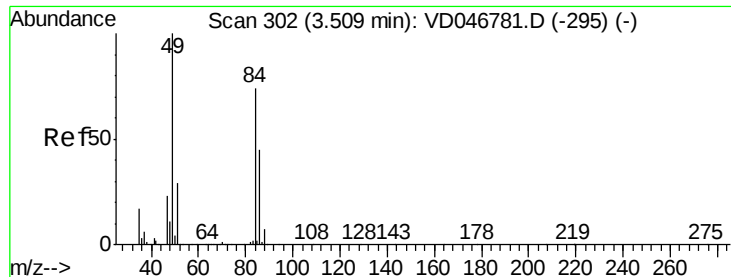
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#20
Methyl tert-butyl Ether
Concen: 1.06 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion: 73 Resp: 2140
Ion Ratio Lower Upper
73 100
57 17.0 18.1 27.1#





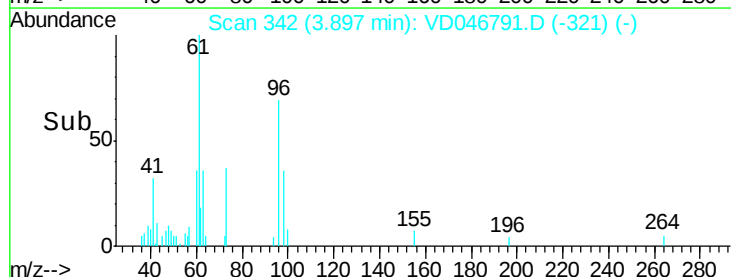
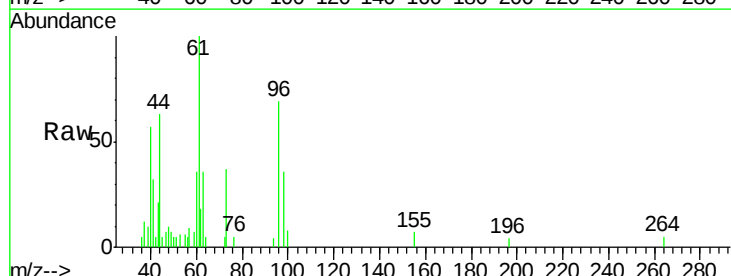
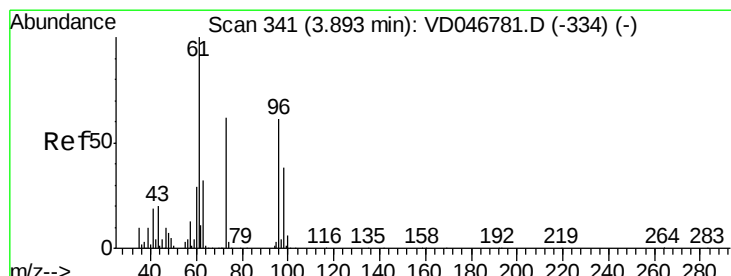
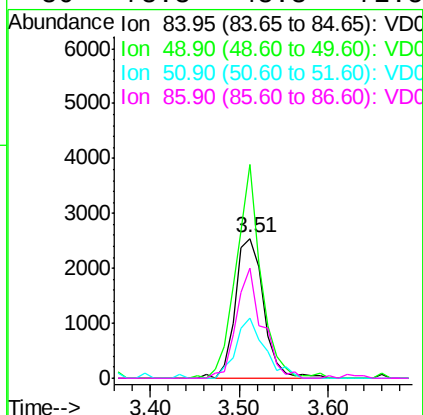
#21
Methylene Chloride
Concen: 3.68 ug/l
RT: 3.51 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.4	122.1	183.1
51	42.7	33.6	50.4
86	78.3	48.3	72.5#

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

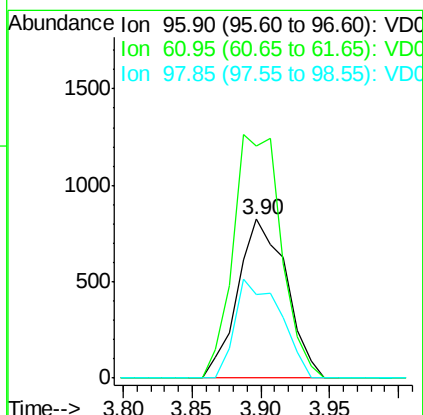
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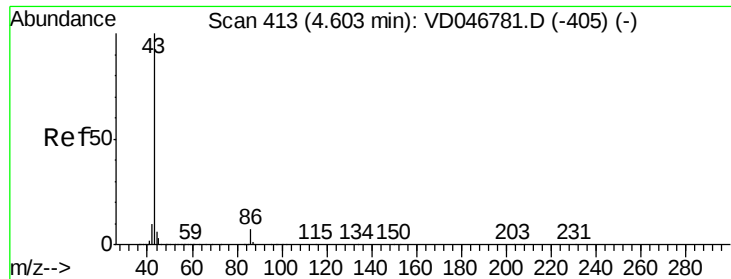
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.39 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.6	125.8	188.6
98	52.6	54.5	81.7#





#24

Vinyl Acetate

Concen: 17.69 ug/l

RT: 4.62 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 43 Resp: 2939

Ion Ratio Lower Upper

43 100

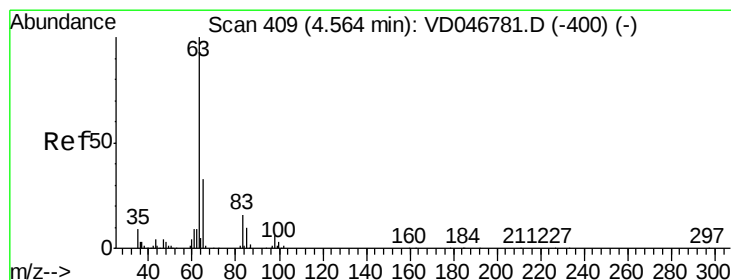
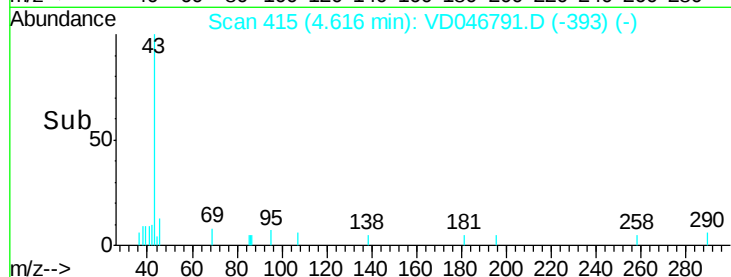
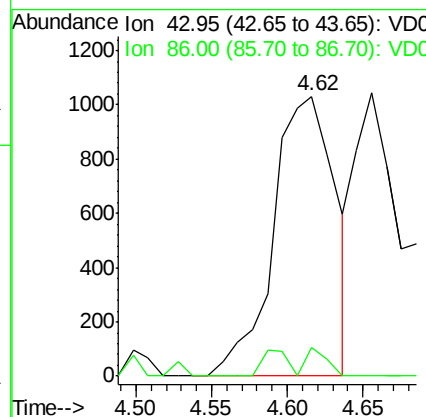
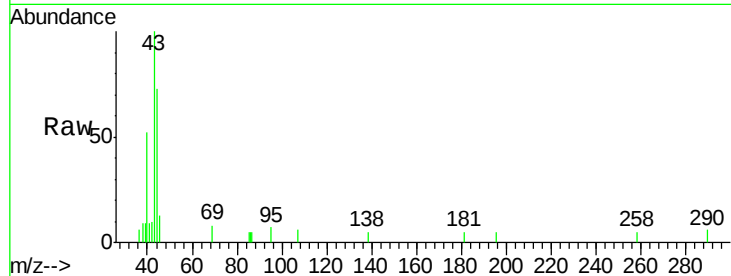
86 10.4 4.9 7.3#

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#25

1,1-Dichloroethane

Concen: 1.41 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

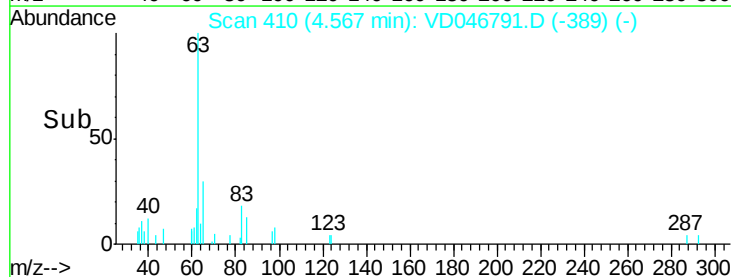
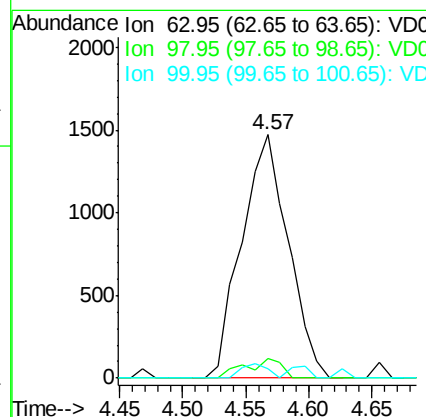
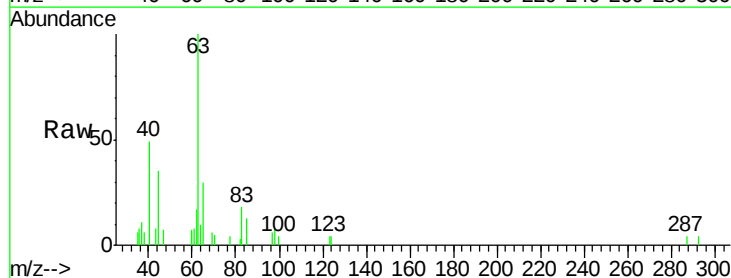
Tgt Ion: 63 Resp: 3777

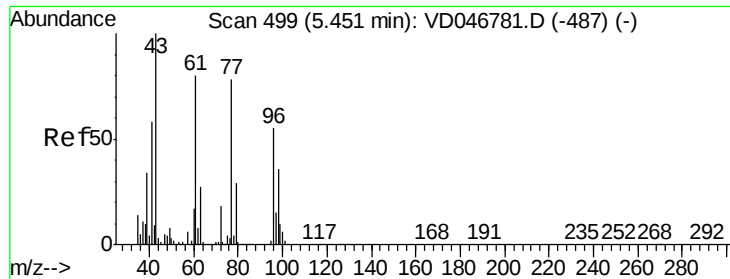
Ion Ratio Lower Upper

63 100

98 8.2 2.5 7.5#

100 4.1 1.5 4.5





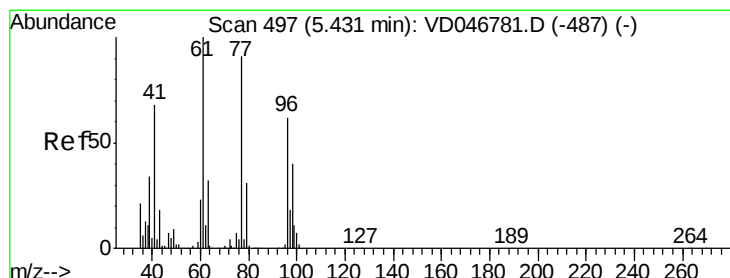
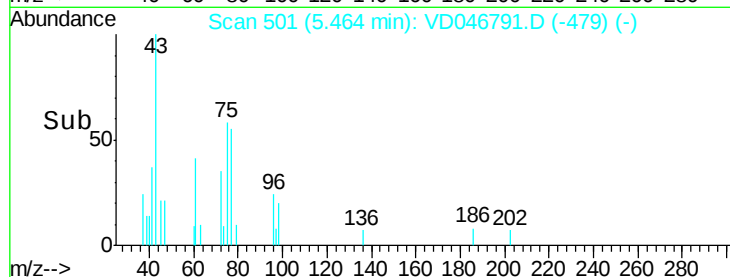
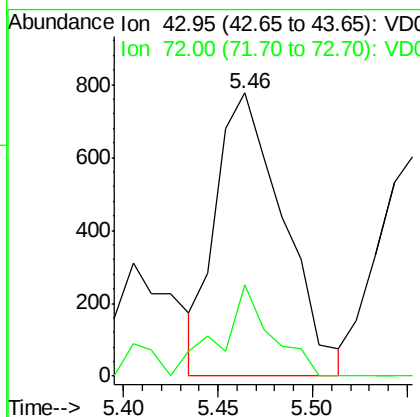
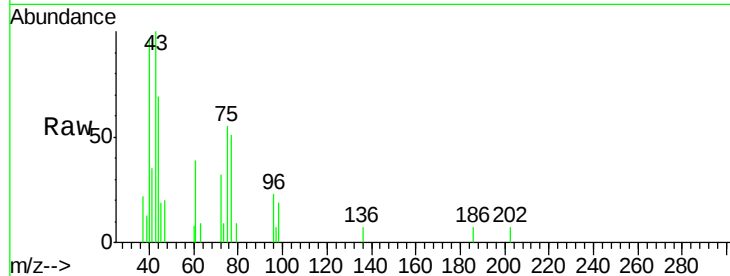
#26
2-Butanone
Concen: 6.05 ug/l
RT: 5.46 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 43 Resp: 1928
Ion Ratio Lower Upper
43 100
72 32.4 13.4 20.0#

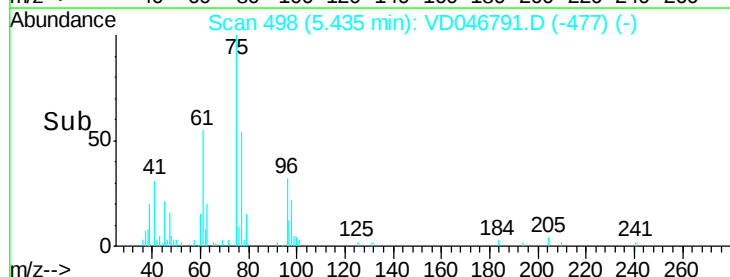
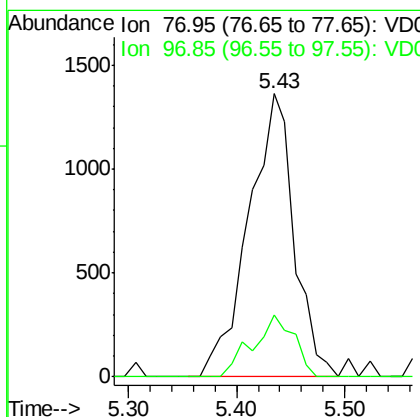
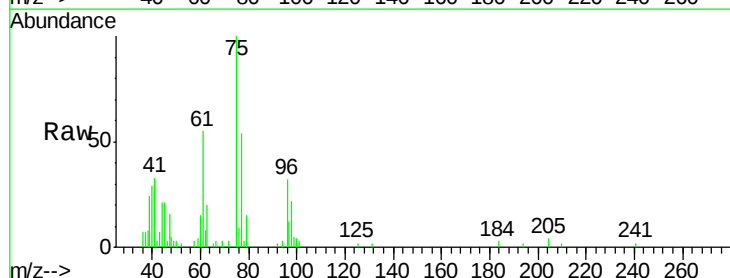
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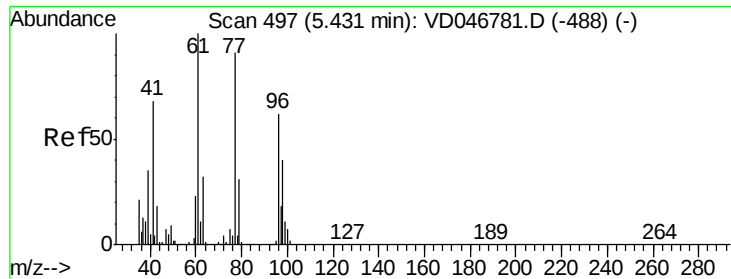
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#27
2,2-Dichloropropane
Concen: 1.44 ug/l
RT: 5.43 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion: 77 Resp: 3986
Ion Ratio Lower Upper
77 100
97 21.7 10.4 31.1





#28

cis-1,2-Dichloroethene

Concen: 1.35 ug/l

RT: 5.44 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

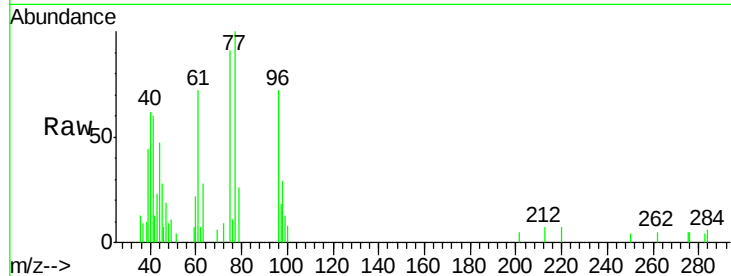
ClientSampleId :

LOD-SOIL2015-01

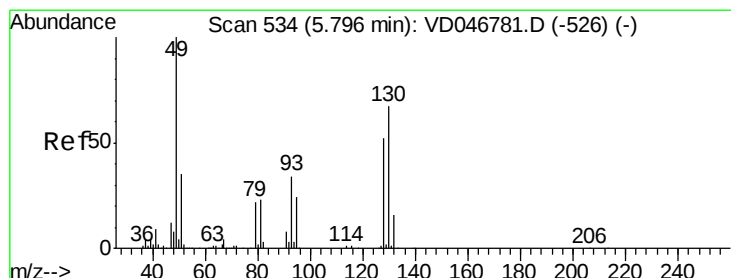
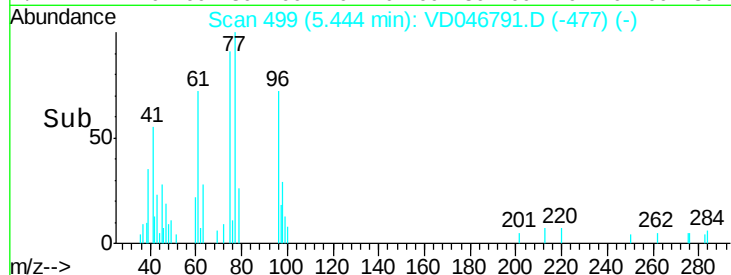
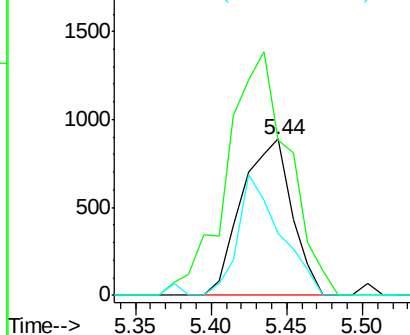
Tgt Ion:	96	Resp:	2057
Ion	Ratio	Lower	Upper
96	100		
61	99.8	0.0	348.0
98	40.0	0.0	128.8

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9/21/2015 11:39:24 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#29

Bromochloromethane

Concen: 1.39 ug/l

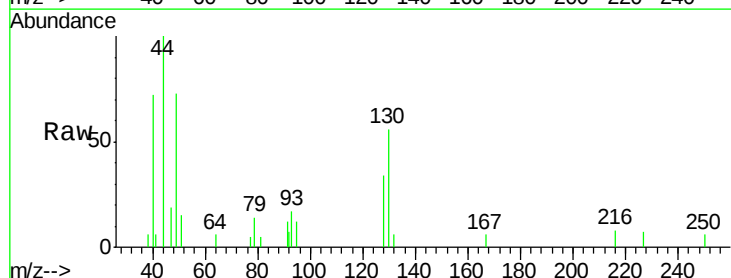
RT: 5.80 min Scan# 535

Delta R.T. 0.00 min

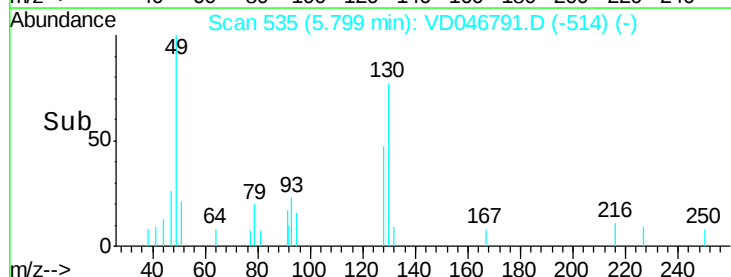
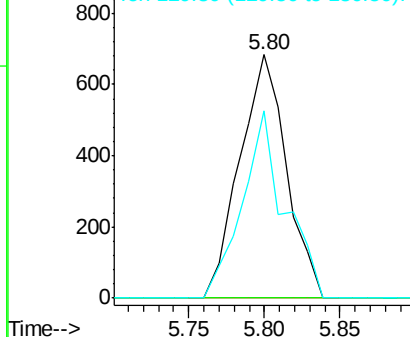
Lab File: VD046791.D

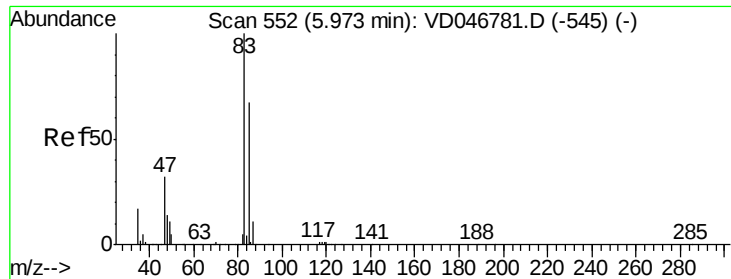
Acq: 18 Sep 2015 19:45

Tgt Ion:	49	Resp:	1470
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	76.8	50.2	75.4#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





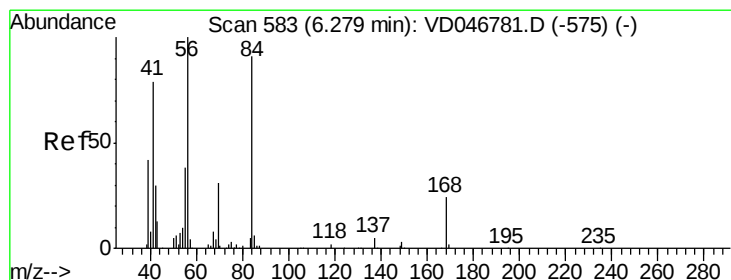
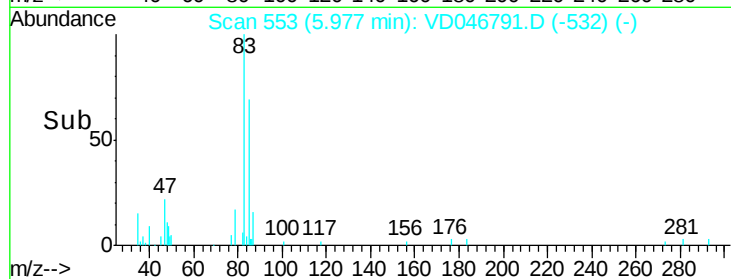
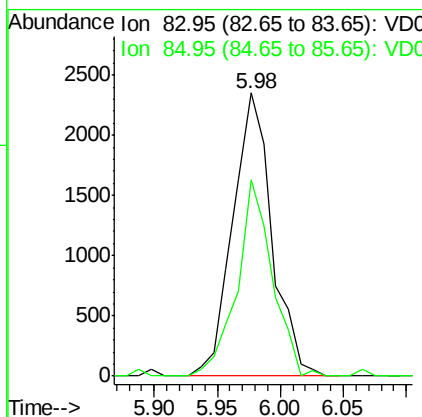
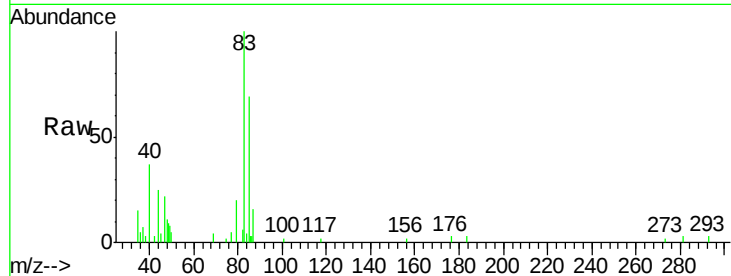
#30
Chloroform
Concen: 1.55 ug/l
RT: 5.98 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.3	52.5	78.7

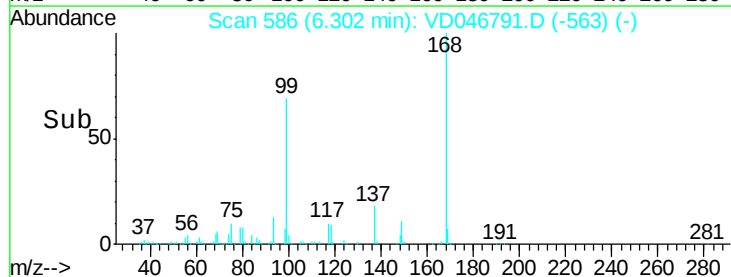
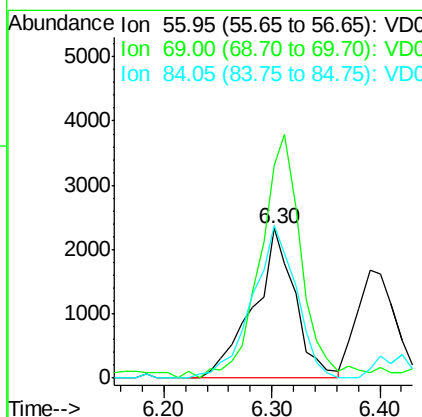
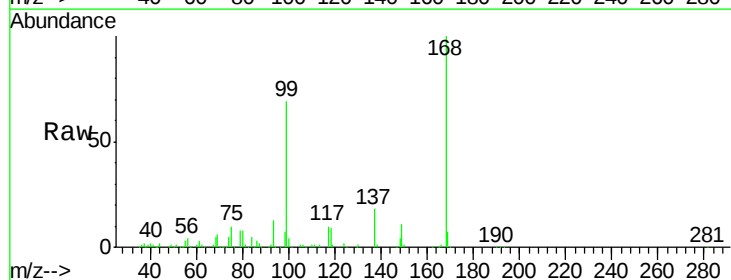
Manual Integrations
APPROVED

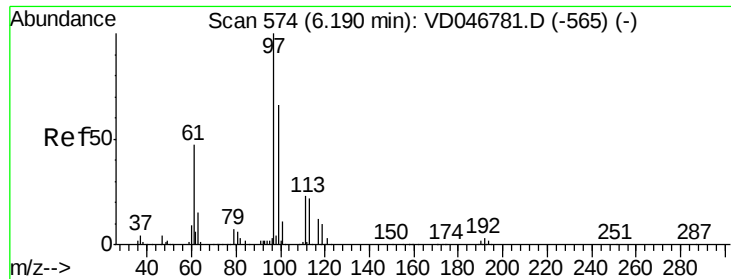
MMDadoda
9/21/2015 11:39:24 AM



#31
Cyclohexane
Concen: 2.47 ug/l
RT: 6.30 min Scan# 586
Delta R.T. 0.02 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
56	100		
69	142.3	23.4	35.0#
84	101.8	63.8	95.8#





#32

1,1,1-Trichloroethane

Concen: 1.36 ug/l

RT: 6.18 min Scan# 574

Delta R.T. -0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

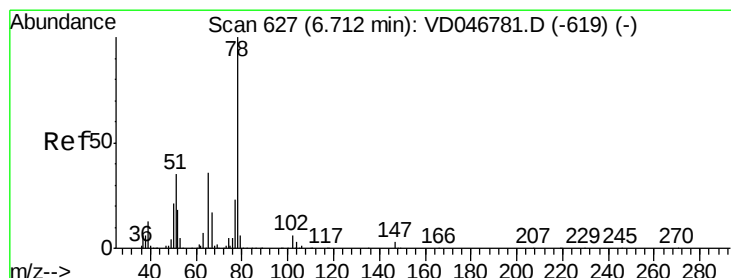
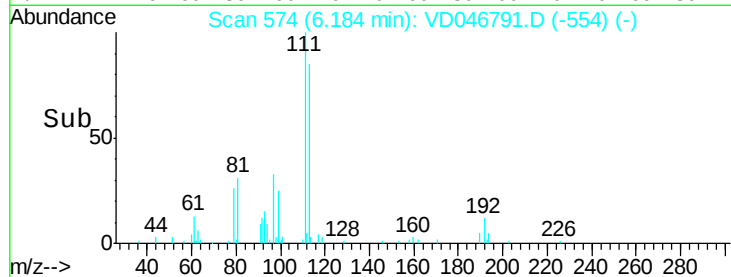
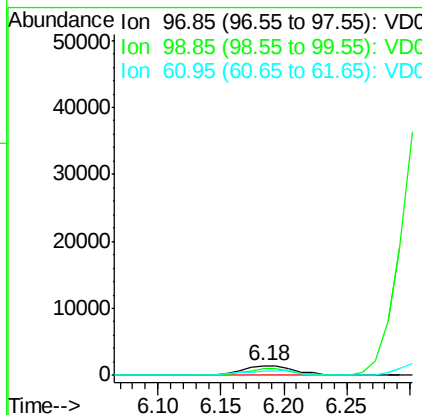
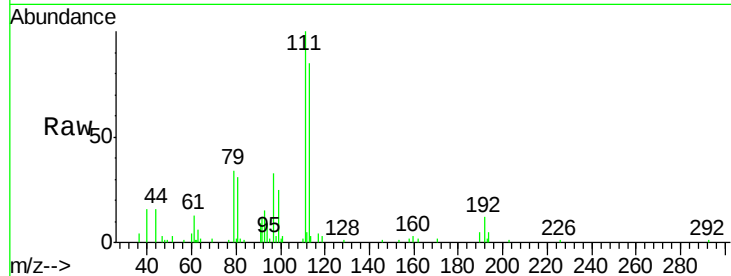
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	97	Resp:	3944
Ion Ratio	Lower	Upper	
97	100		
99	77.4	50.2	75.4#
61	40.0	38.6	57.8

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#33

1,2-Dichloroethane-d4

Concen: 1.36 ug/l

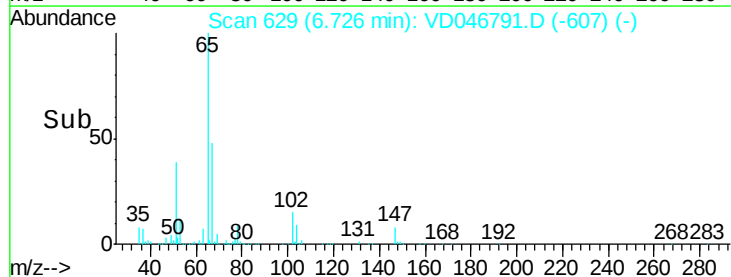
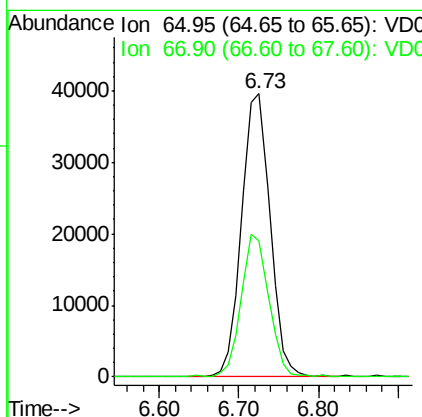
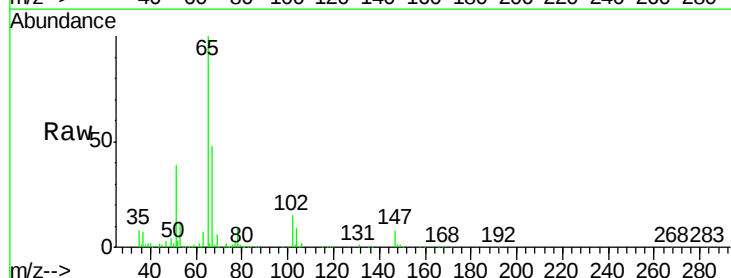
RT: 6.73 min Scan# 629

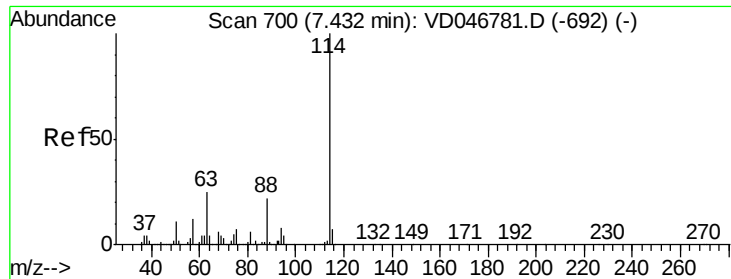
Delta R.T. 0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Tgt Ion:	65	Resp:	98179
Ion Ratio	Lower	Upper	
65	100		
67	48.0	0.0	105.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

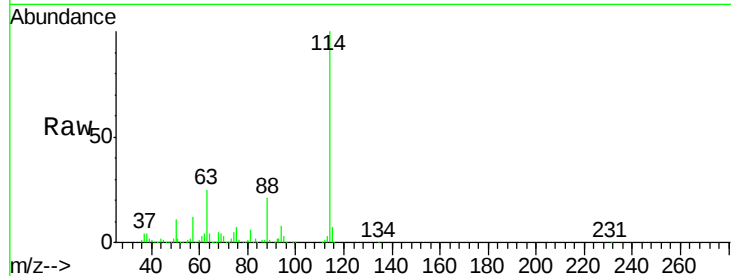
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	114	Resp:	225933
Ion Ratio	Lower	Upper	
114	100		
63	25.3	0.0	49.8
88	21.5	0.0	43.6

Manual Integrations
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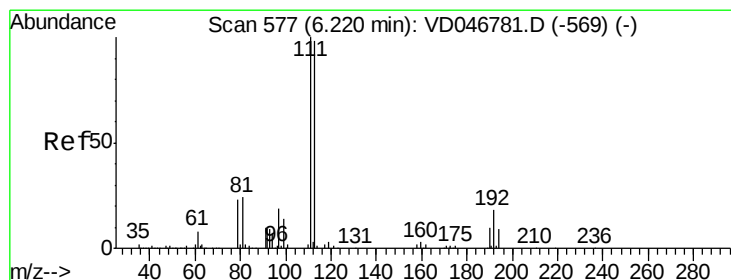
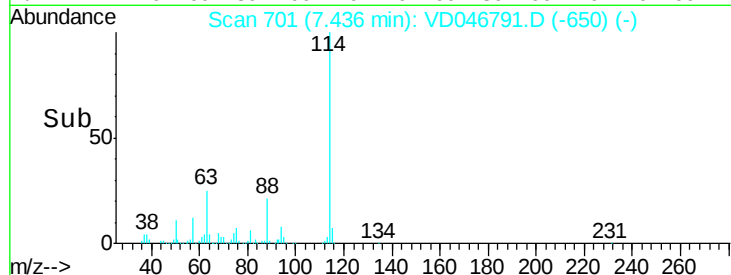
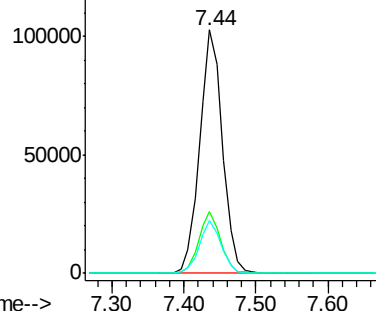
MMDadoda
9/21/2015 11:39:24 AM



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.00 ug/l

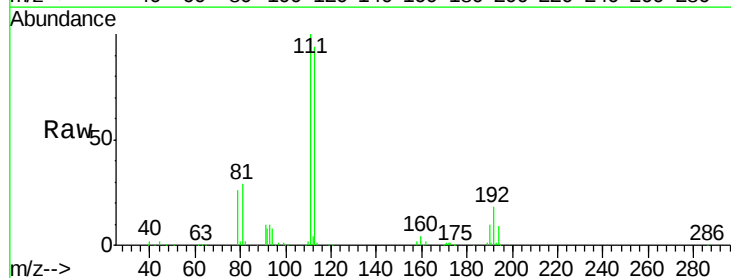
RT: 6.21 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

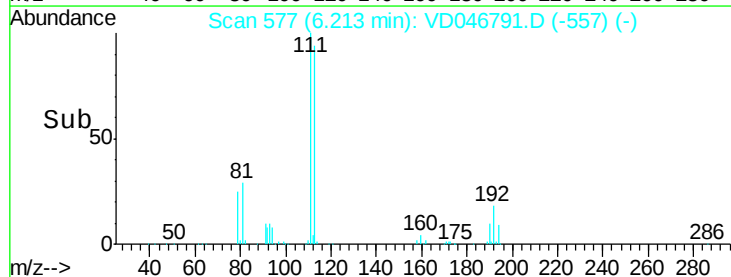
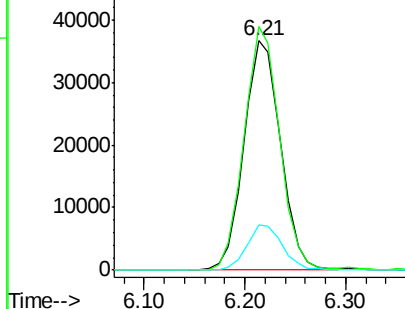
Tgt Ion:	113	Resp:	92647
Ion Ratio	Lower	Upper	
113	100		
111	106.2	79.4	119.0
192	19.5	14.6	22.0

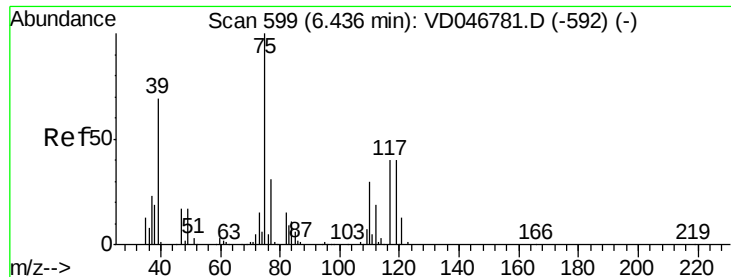


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





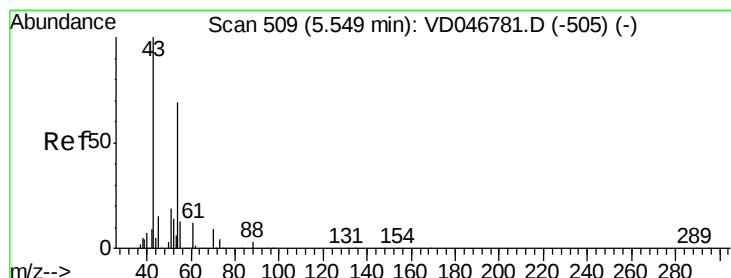
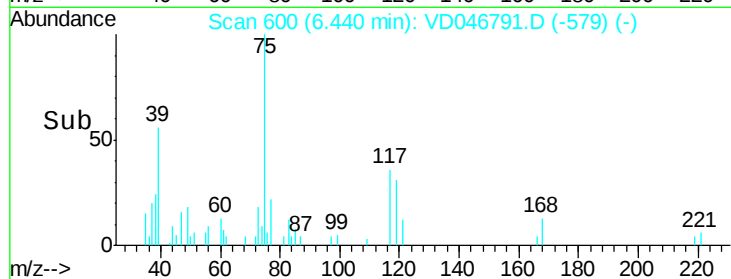
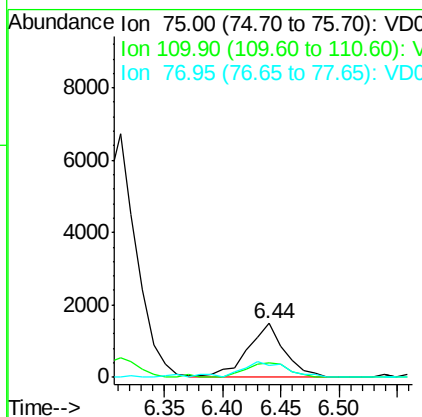
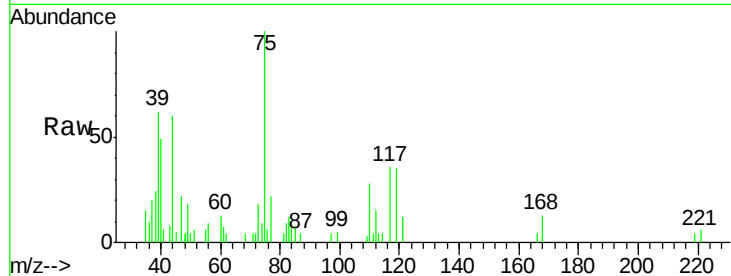
#36
 1,1-Dichloropropene
 Concen: 1.25 ug/l
 RT: 6.44 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.0	13.7	41.0
77	21.8	24.7	37.1#

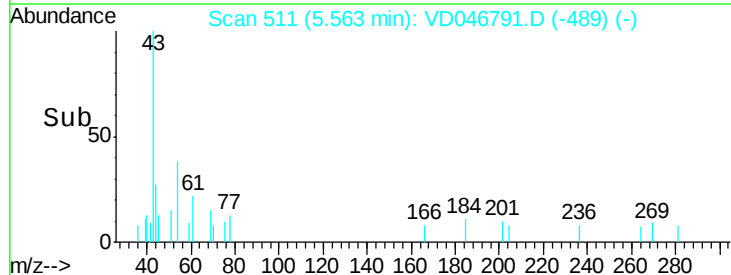
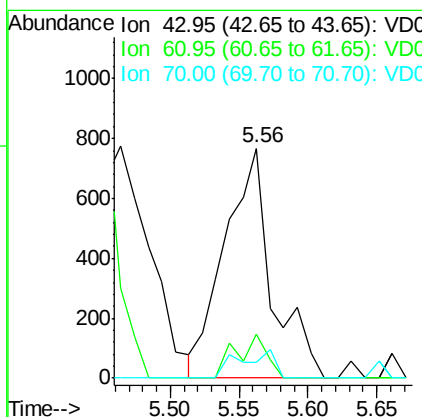
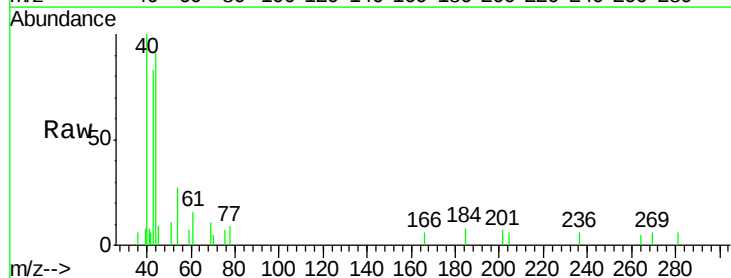
Manual Integrations
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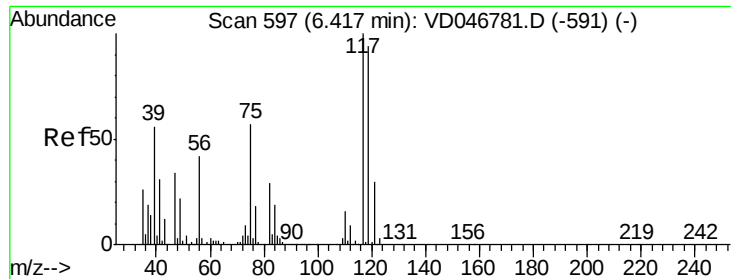
MMDadoda
 9/21/2015 11:39:24 AM



#37
 Ethyl Acetate
 Concen: 2.16 ug/l
 RT: 5.56 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.9	9.4	14.2#
70	6.6	6.0	9.0





#38

Carbon Tetrachloride

Concen: 1.32 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

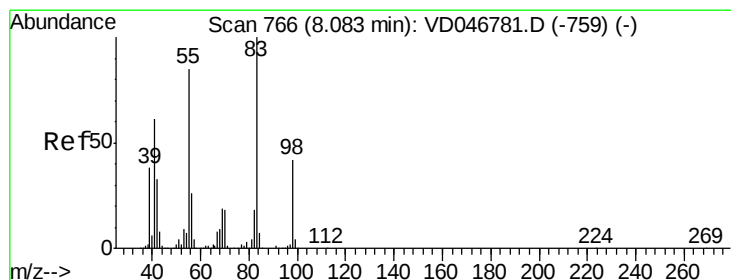
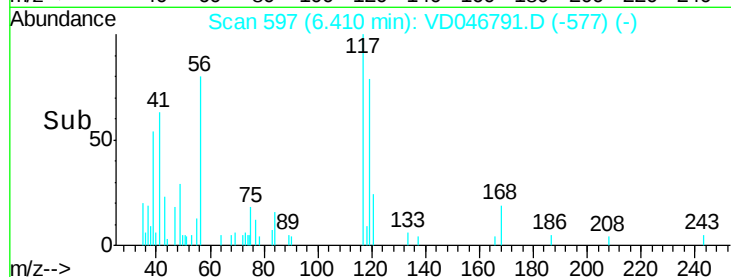
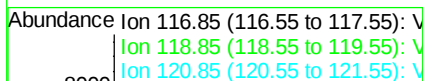
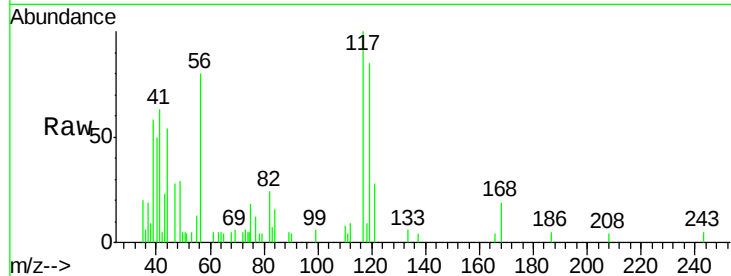
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	117	Resp:	3623
Ion	Ratio	Lower	Upper
117	100		
119	84.9	76.2	114.4
121	28.0	24.5	36.7

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#39

Methylcyclohexane

Concen: 1.09 ug/l

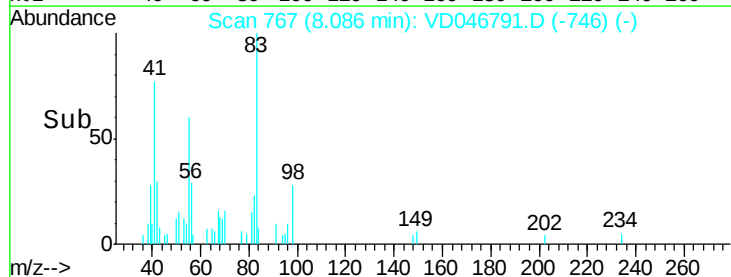
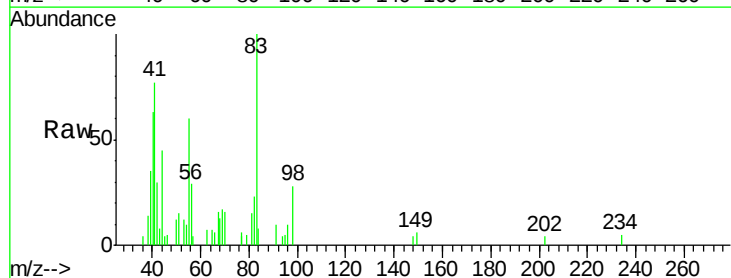
RT: 8.09 min Scan# 767

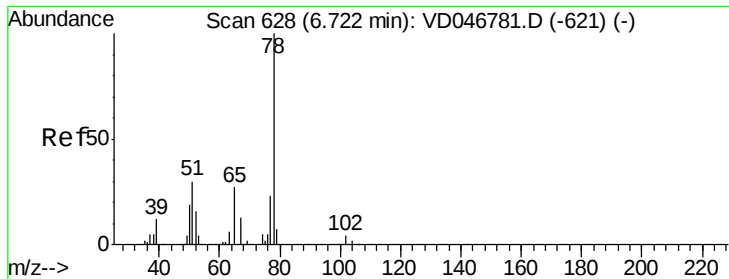
Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Tgt Ion:	83	Resp:	2912
Ion	Ratio	Lower	Upper
83	100		
55	60.4	71.1	106.7#
98	27.6	34.6	51.8#





#40

Benzene

Concen: 1.29 ug/l

RT: 6.74 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 78 Resp: 8672

Ion Ratio Lower Upper

78 100

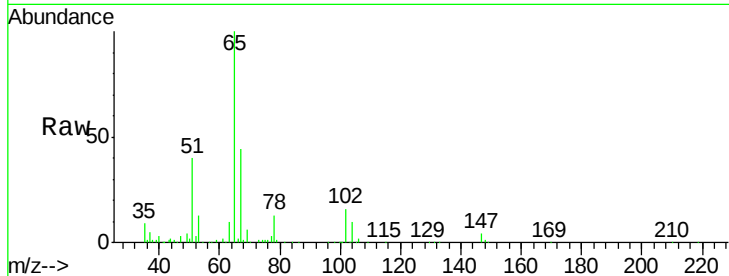
77 20.5 19.9 29.9

Manual Integrations

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Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

6.74

3000

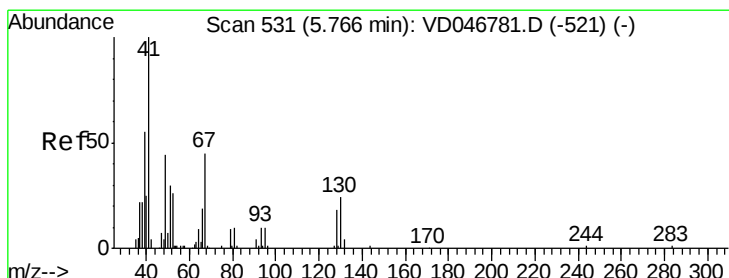
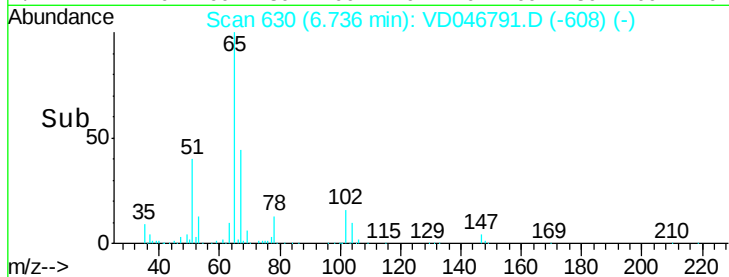
2000

1000

0

6.65 6.70 6.75 6.80

Time-->



#41

Methacrylonitrile

Concen: 1.15 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.03 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Tgt Ion: 41 Resp: 545

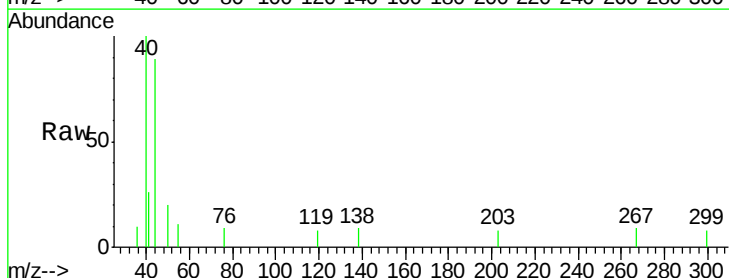
Ion Ratio Lower Upper

41 100

39 0.0 40.2 60.4#

67 0.0 32.0 48.0#

52 0.0 13.8 20.8#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

600

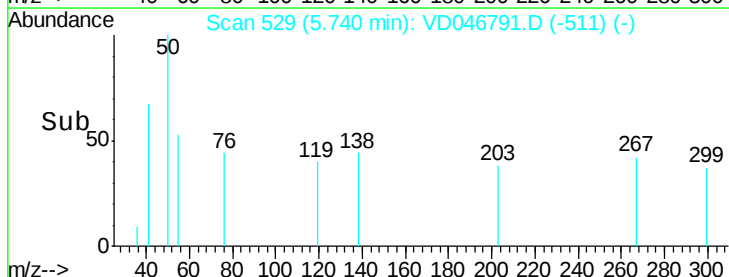
400

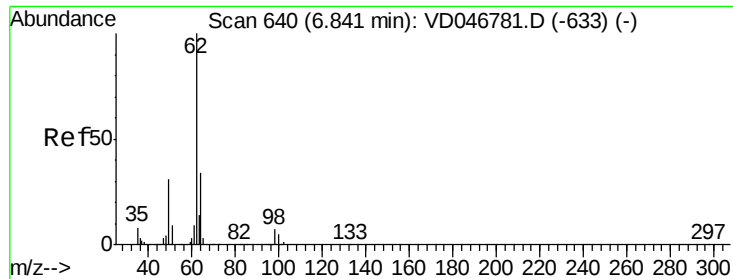
200

0

5.70 5.75 5.80

Time-->





#42

1,2-Dichloroethane

Concen: 1.34 ug/l

RT: 6.83 min Scan# 640

Delta R.T. -0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

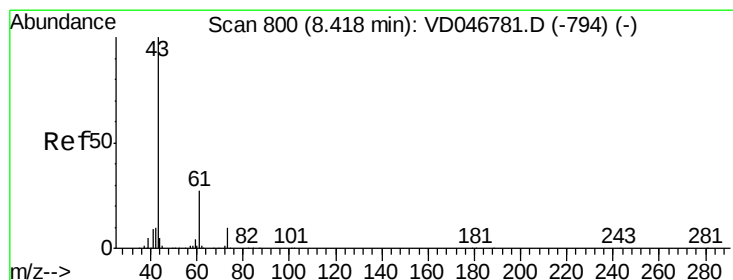
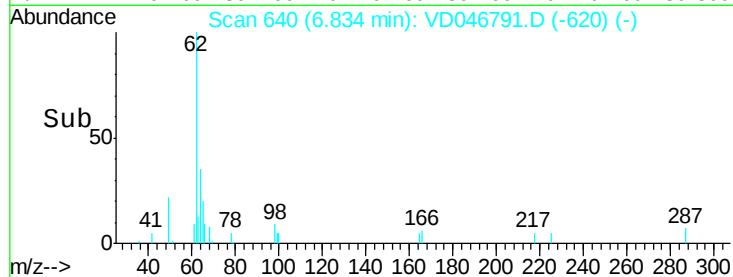
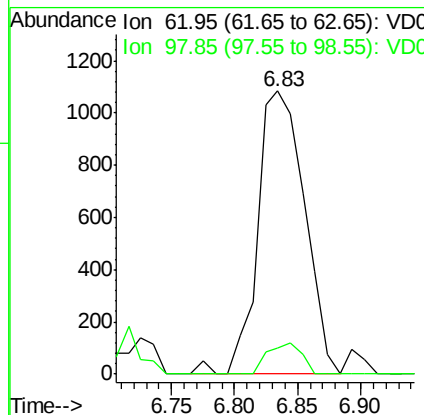
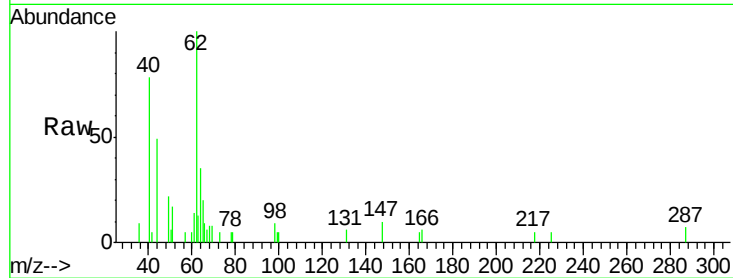
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	62	Resp:	2809
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	16.2

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#43

Isopropyl Acetate

Concen: 1.14 ug/l

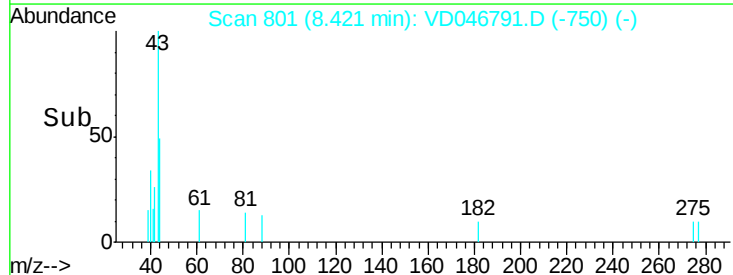
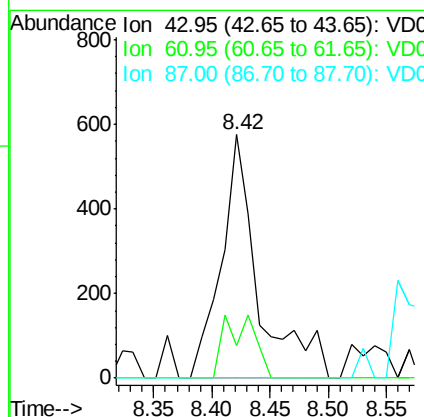
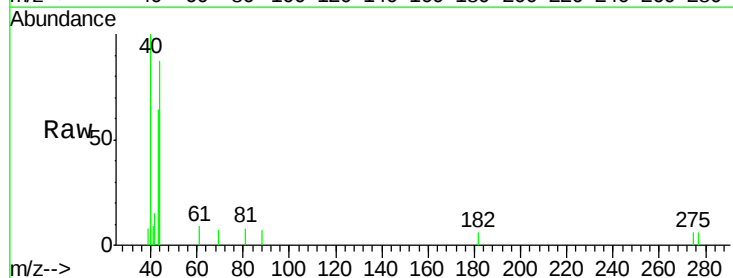
RT: 8.42 min Scan# 801

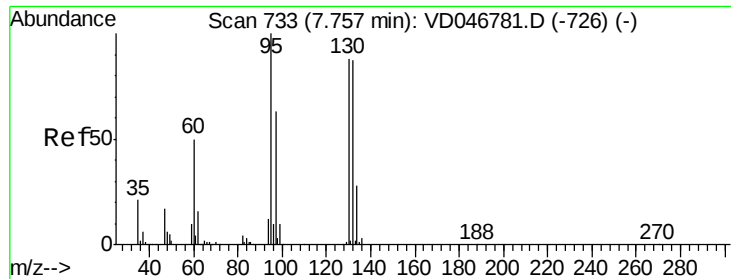
Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Tgt Ion:	43	Resp:	1278
Ion Ratio	Lower	Upper	
43	100		
61	13.5	19.5	29.3#
87	0.0	0.2	0.2#





#44

Trichloroethene

Concen: 1.37 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:130 Resp: 2308

Ion Ratio Lower Upper

130 100

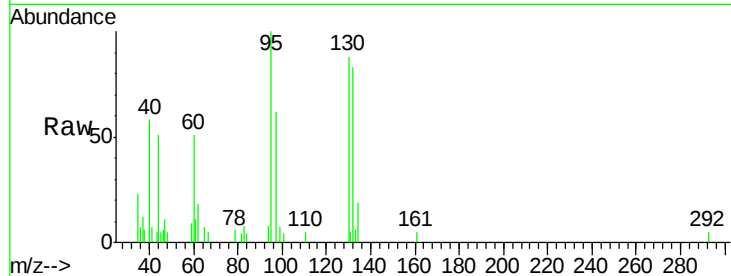
95 113.1 0.0 229.4

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

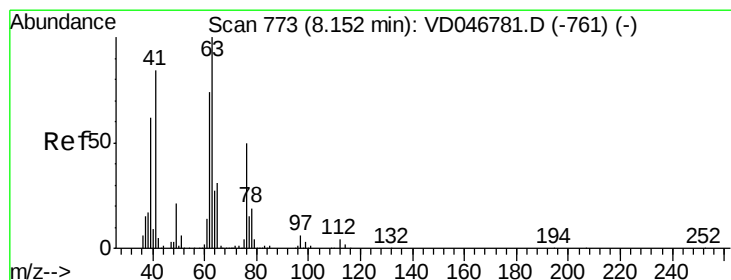
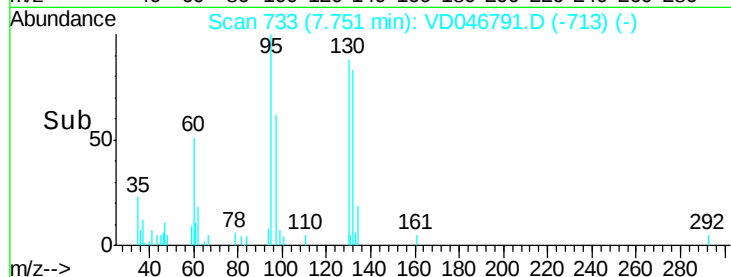
7.75

1000

500

0

Time-->



#45

1,2-Dichloropropane

Concen: 1.19 ug/l

RT: 8.16 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD046791.D

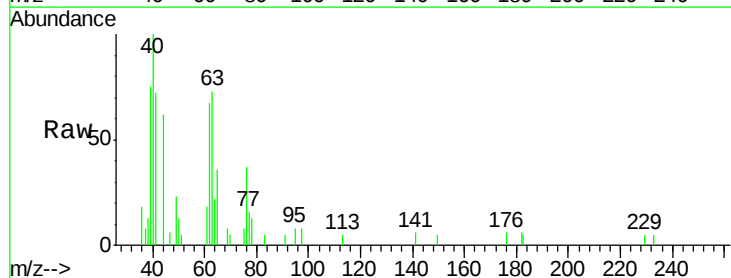
Acq: 18 Sep 2015 19:45

Tgt Ion: 63 Resp: 1994

Ion Ratio Lower Upper

63 100

65 49.7 25.1 37.7#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.16

800

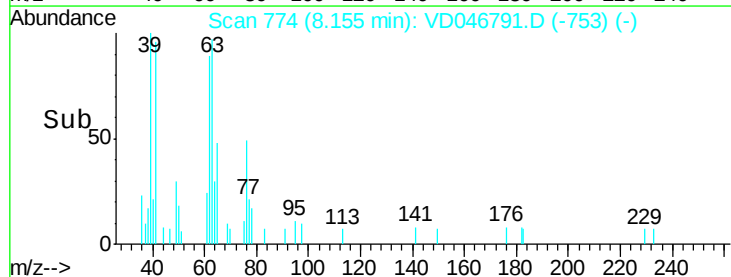
600

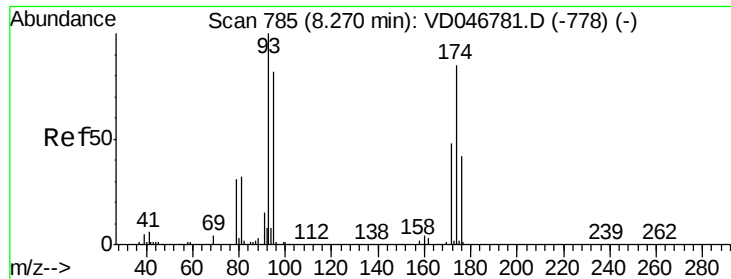
400

200

0

Time-->





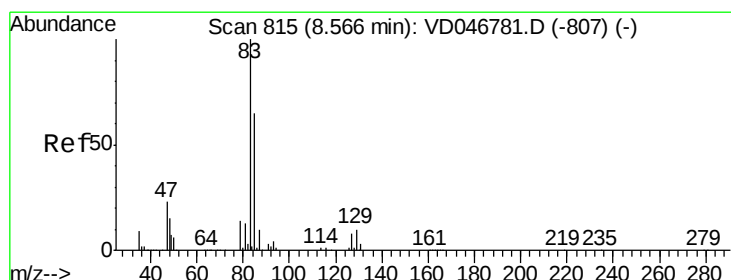
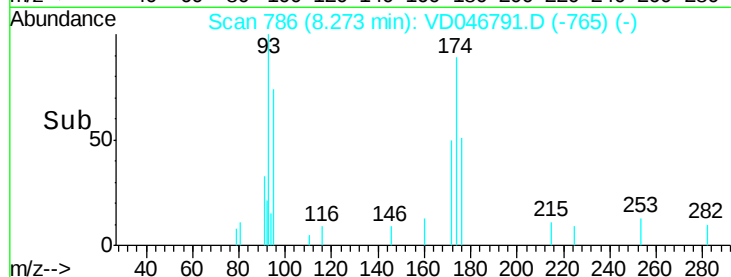
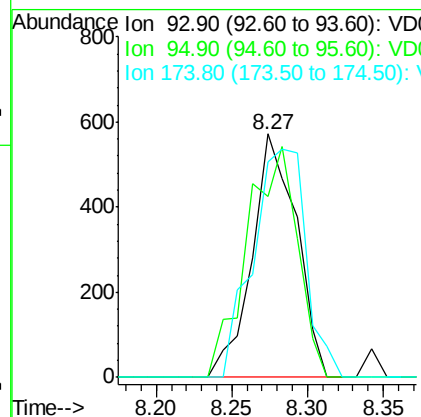
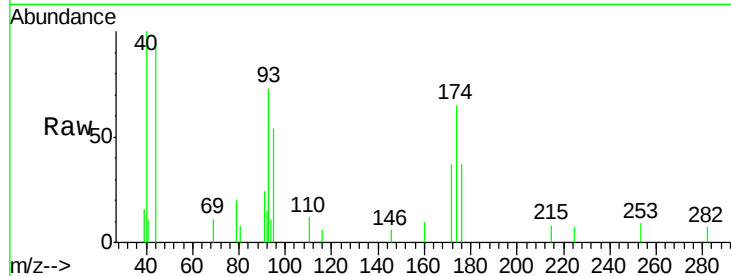
#46
Dibromomethane
Concen: 1.23 ug/l
RT: 8.27 min Scan# 786
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 93 Resp: 1164
Ion Ratio Lower Upper
93 100
95 74.1 70.2 105.2
174 88.6 79.0 118.4

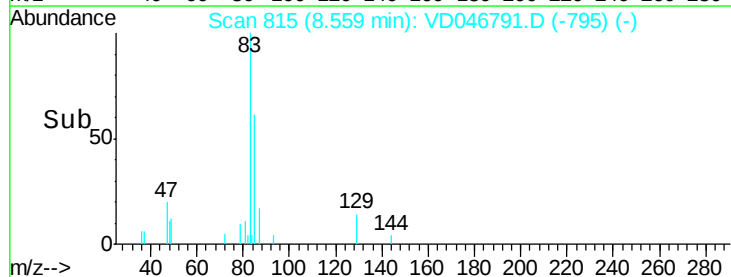
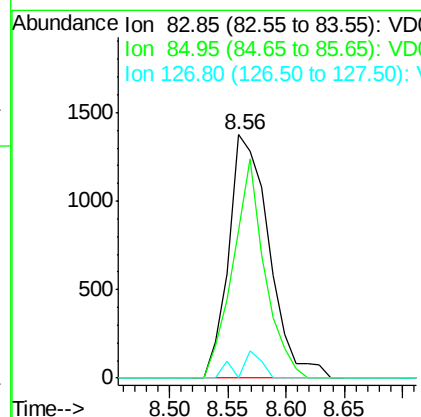
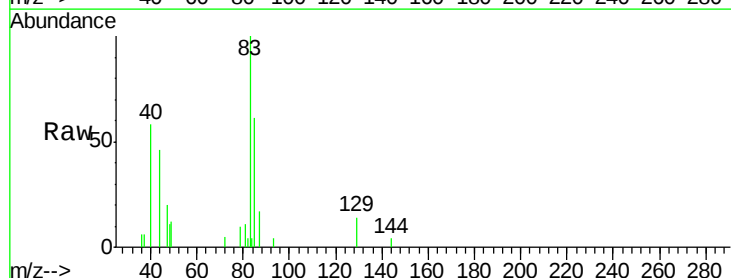
Manual Integrations
APPROVED

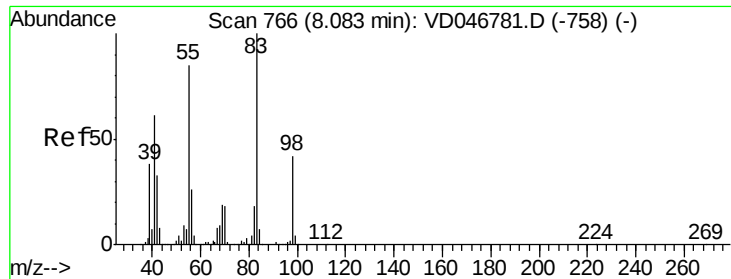
MMDadoda
9/21/2015 11:39:24 AM



#47
Bromodichloromethane
Concen: 1.33 ug/l
RT: 8.56 min Scan# 815
Delta R.T. -0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion: 83 Resp: 3313
Ion Ratio Lower Upper
83 100
85 60.6 52.6 78.8
127 0.0 5.7 8.5#





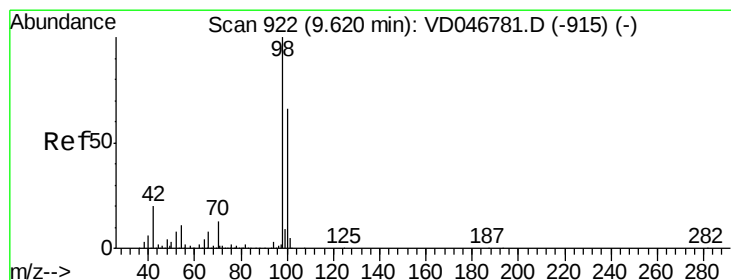
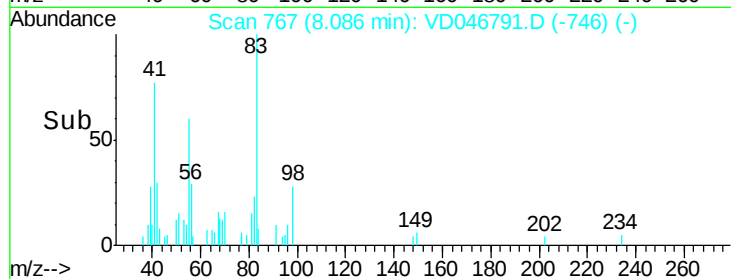
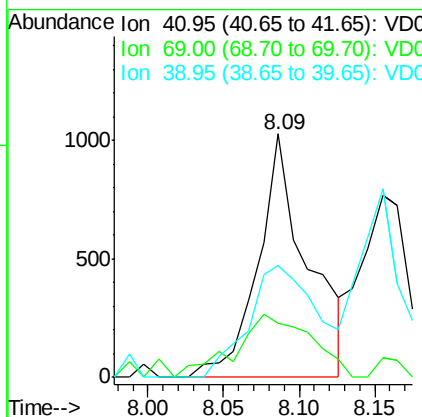
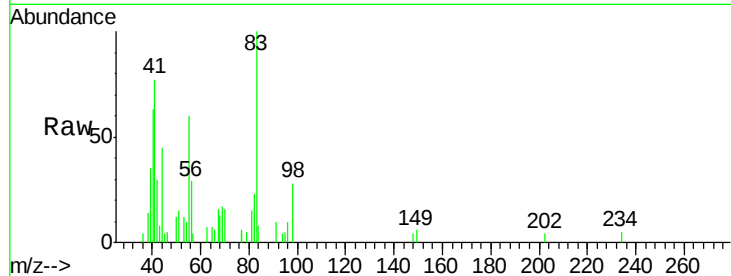
#48
Methyl methacrylate
Concen: 1.36 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	22.1	25.3	37.9#
39	46.0	47.4	71.0#

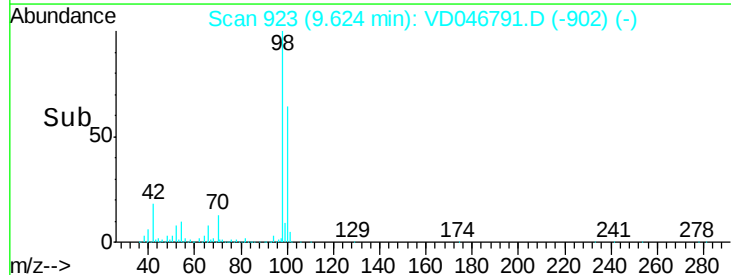
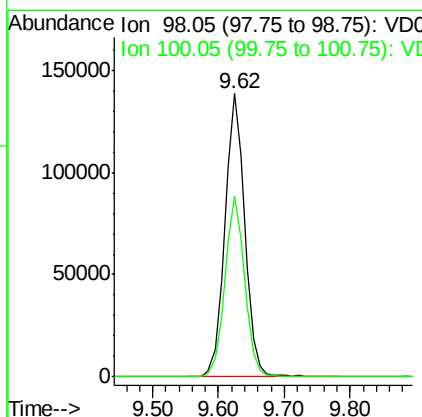
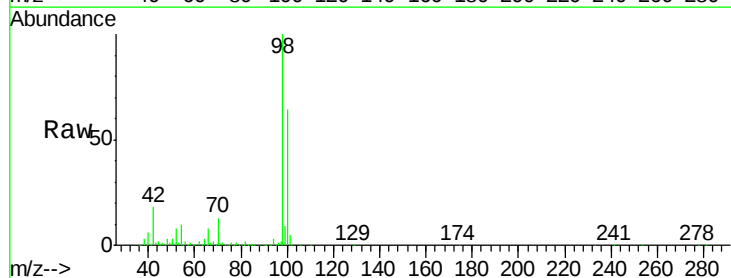
Manual Integrations
APPROVED

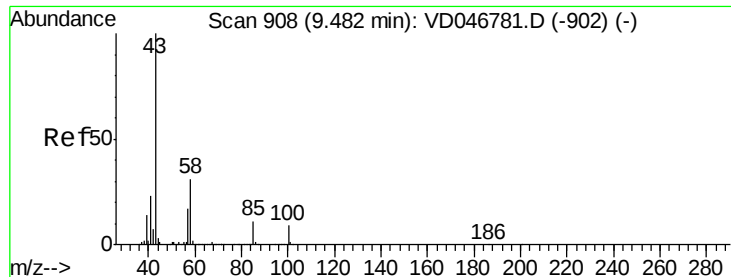
MMDadoda
9/21/2015 11:39:24 AM



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.62 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	49.9	74.9





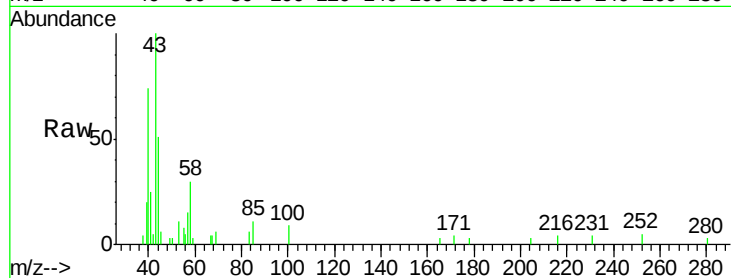
#51
4-Methyl-2-Pentanone
Concen: 5.06 ug/l
RT: 9.49 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

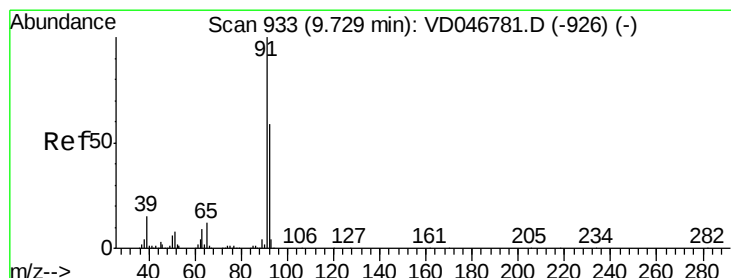
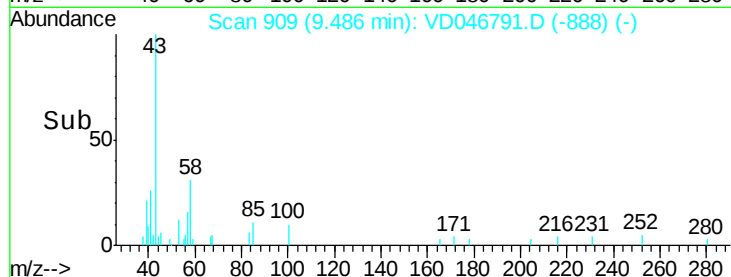
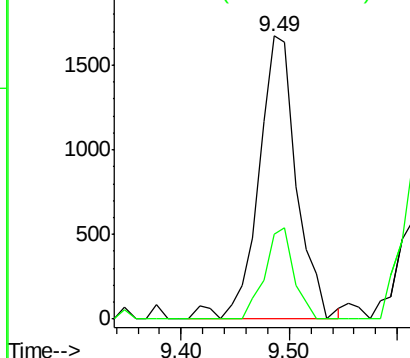
Tgt Ion: 43 Resp: 4086
Ion Ratio Lower Upper
43 100
58 29.9 22.2 33.2

Manual Integrations
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9/21/2015 11:39:24 AM

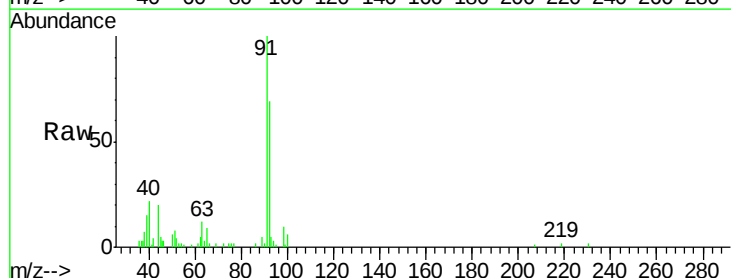


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

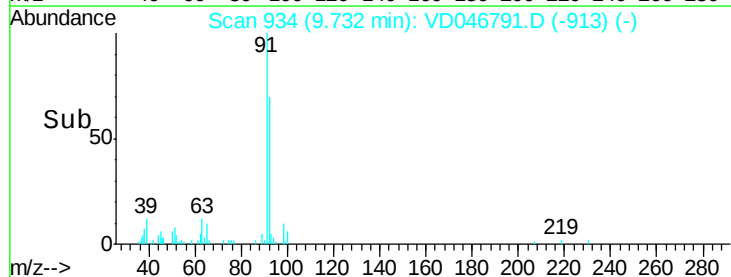
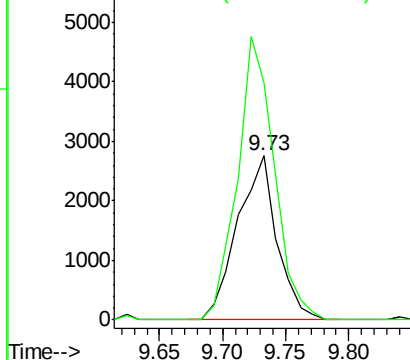


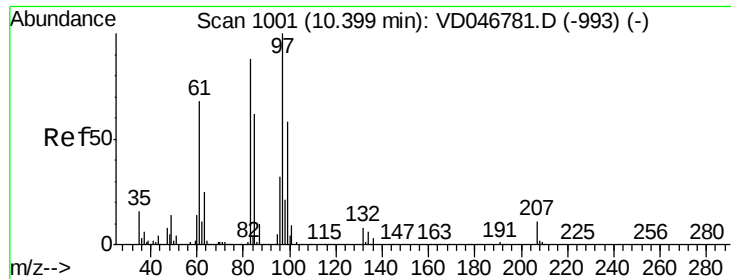
#52
Toluene
Concen: 1.44 ug/l
RT: 9.73 min Scan# 934
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion: 92 Resp: 5969
Ion Ratio Lower Upper
92 100
91 144.7 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#55

1,1,2-Trichloroethane

Concen: 1.34 ug/l

RT: 10.40 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

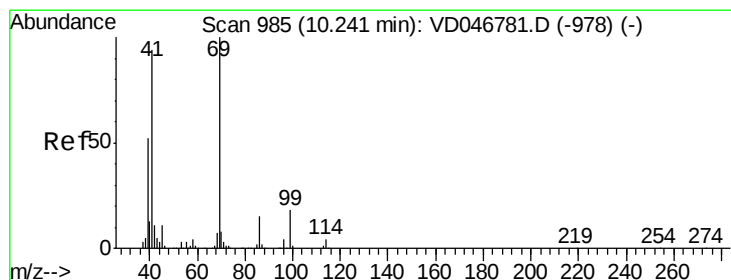
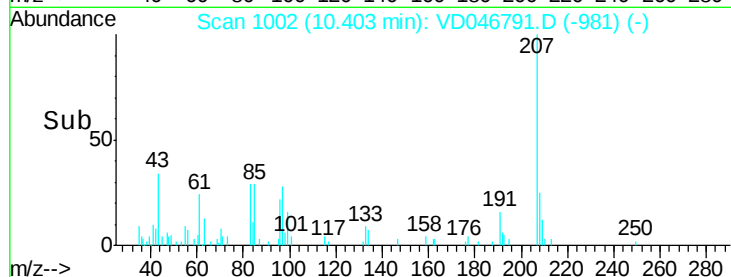
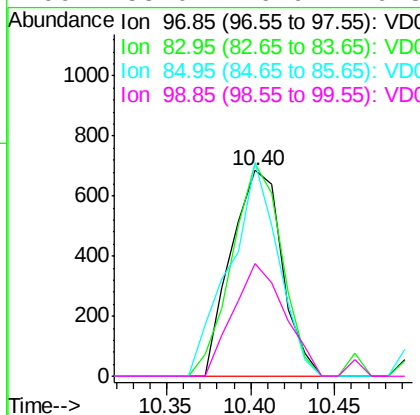
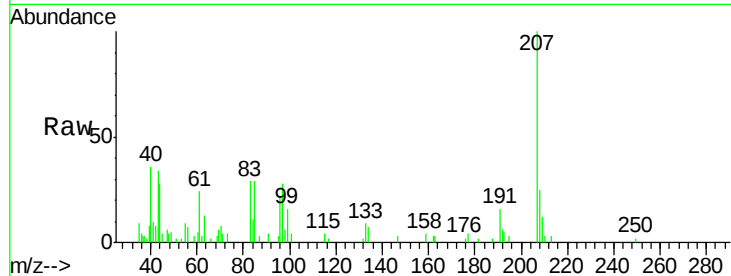
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	97	Resp:	1441
Ion	Ratio	Lower	Upper
97	100		
83	103.5	75.3	112.9
85	103.8	50.9	76.3#
99	55.0	46.9	70.3

Manual Integrations
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9/21/2015 11:39:24 AM



#56

Ethyl methacrylate

Concen: 4.36 ug/l m

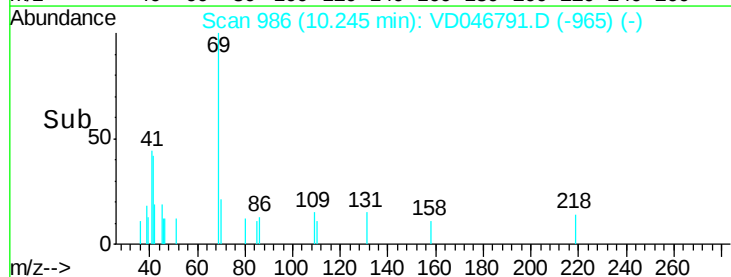
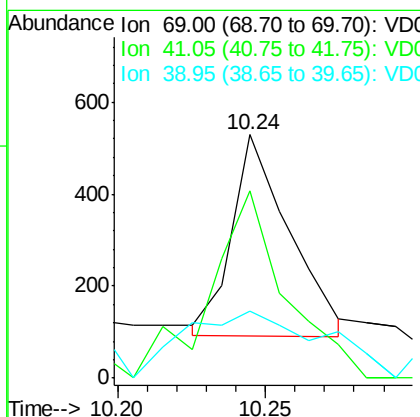
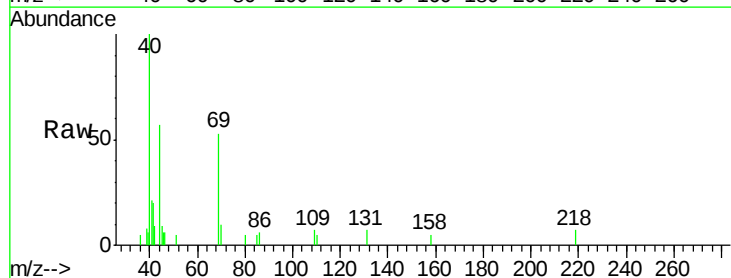
RT: 10.24 min Scan# 986

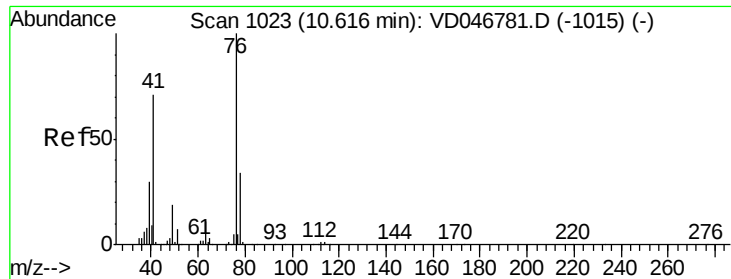
Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Tgt Ion:	69	Resp:	591
Ion	Ratio	Lower	Upper
69	100		
41	39.7	75.4	113.0#
39	15.9	41.0	61.4#





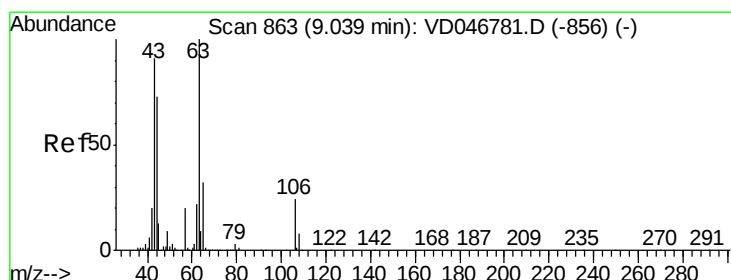
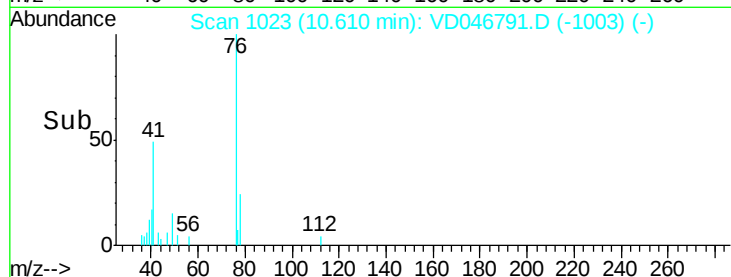
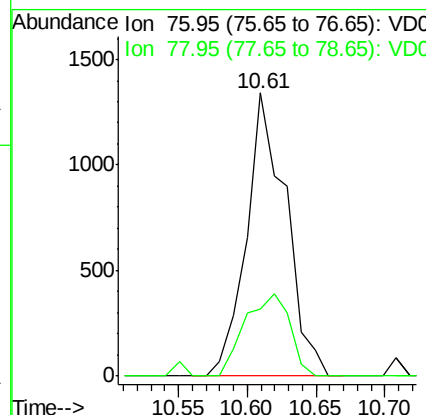
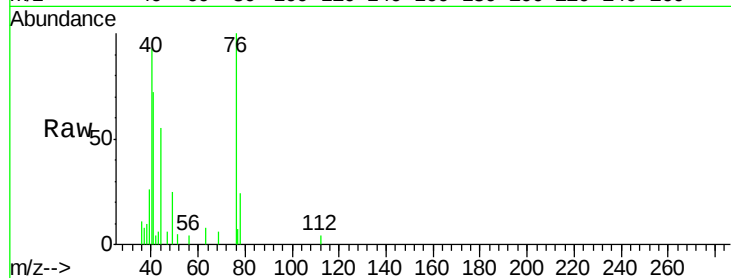
#57
 1,3-Dichloropropane
 Concen: 1.34 ug/l
 RT: 10.61 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 76 Resp: 2683
 Ion Ratio Lower Upper
 76 100
 78 23.8 26.6 39.8#

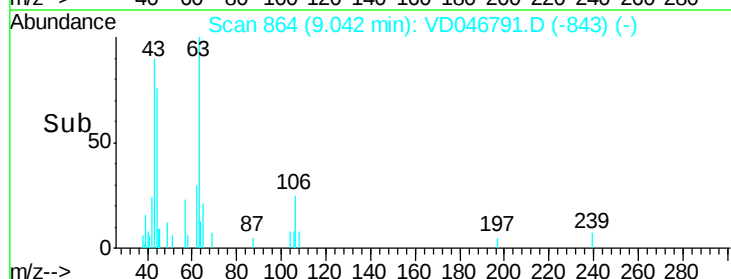
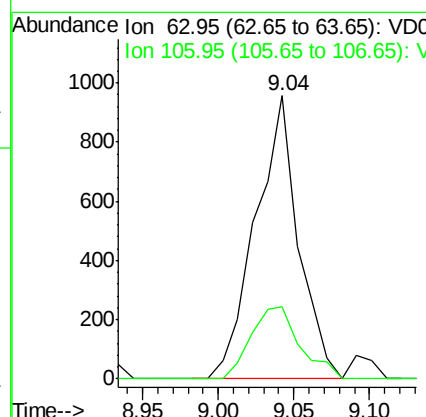
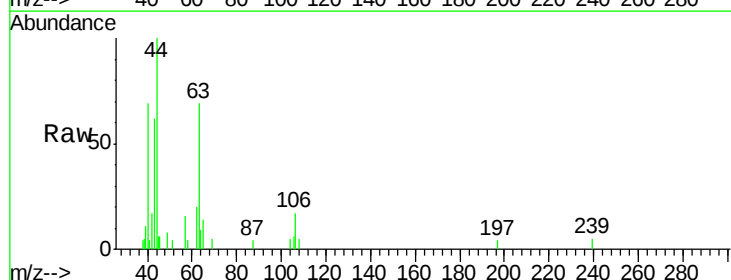
Manual Integrations
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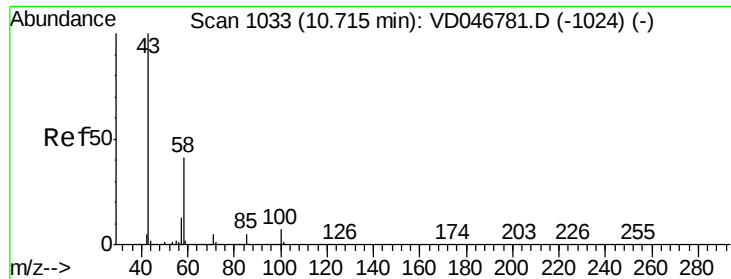
MMDadoda
 9/21/2015 11:39:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 9.80 ug/l
 RT: 9.04 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Tgt Ion: 63 Resp: 1892
 Ion Ratio Lower Upper
 63 100
 106 25.4 17.8 26.8





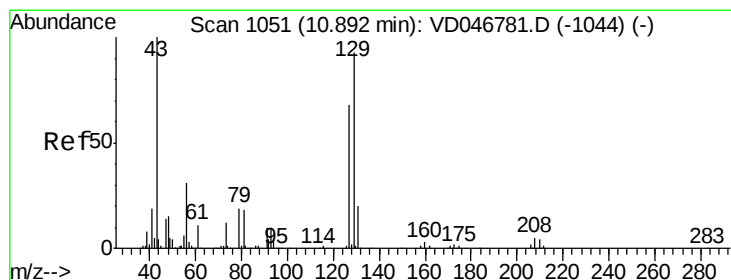
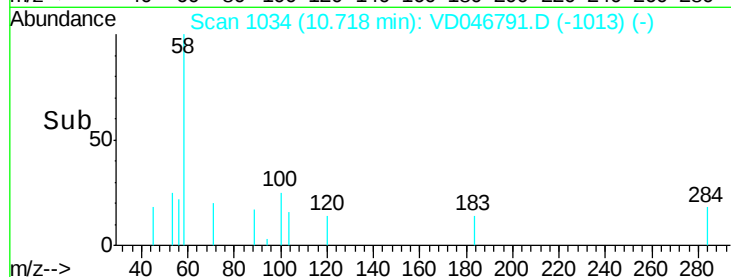
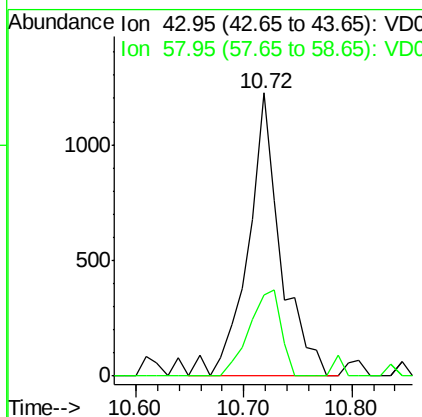
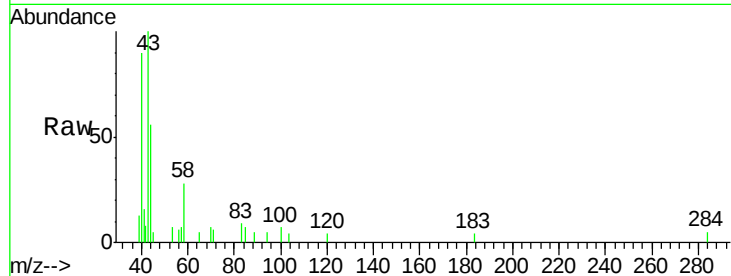
#59
2-Hexanone
Concen: 4.40 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 43 Resp: 2566
Ion Ratio Lower Upper
43 100
58 28.5 18.6 55.8

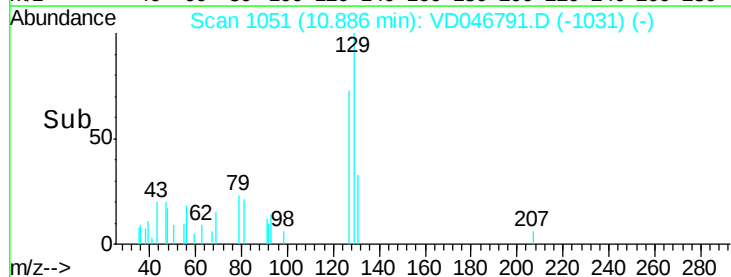
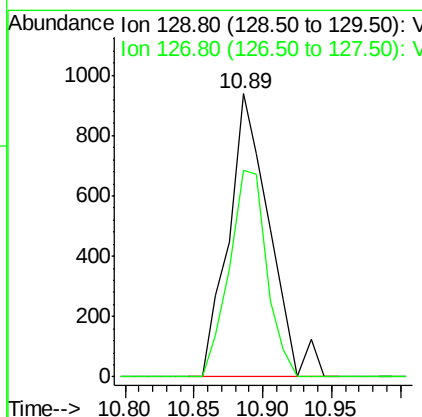
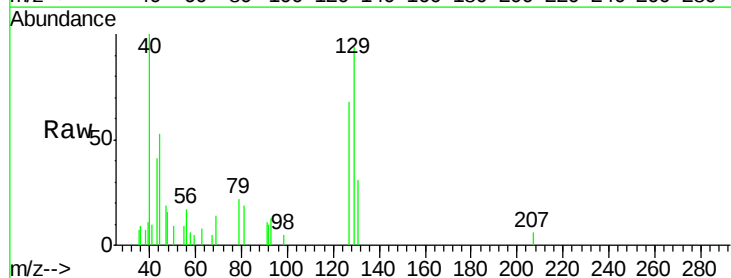
Manual Integrations
APPROVED

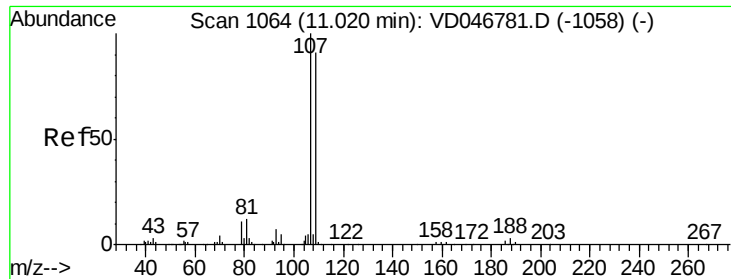
MMDadoda
9/21/2015 11:39:24 AM



#60
Dibromochloromethane
Concen: 1.31 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion: 129 Resp: 1931
Ion Ratio Lower Upper
129 100
127 72.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 1.08 ug/l

RT: 11.02 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 107 Resp: 1147

Ion Ratio Lower Upper

107 100

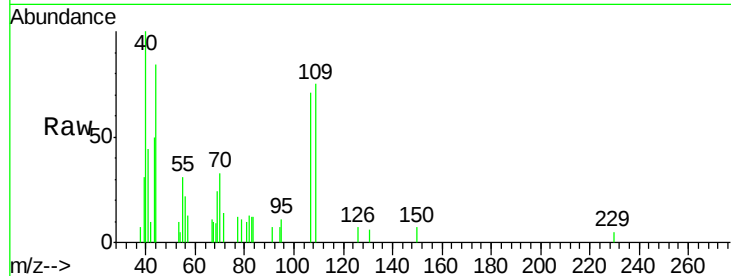
109 105.1 71.4 107.0

Manual Integrations

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9/21/2015 11:39:24 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.02

800

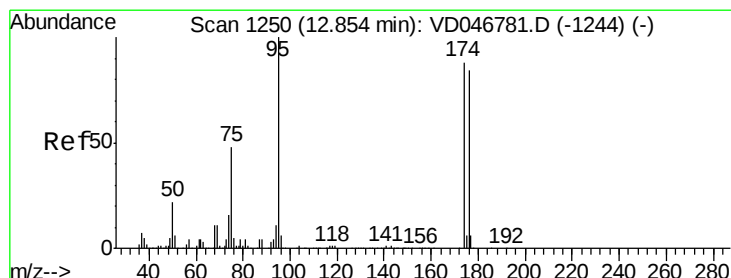
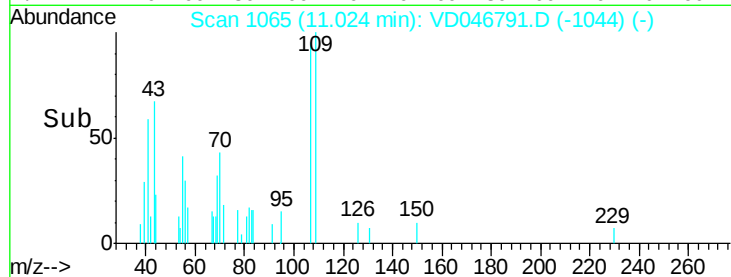
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 1.08 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

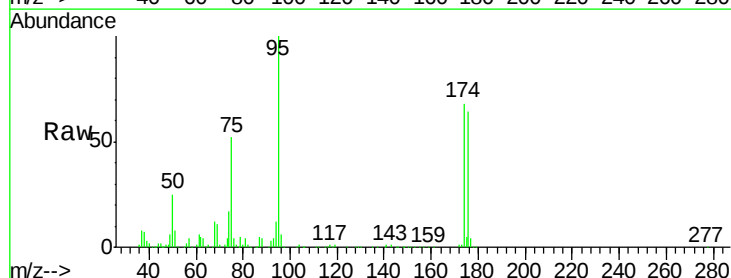
Tgt Ion: 95 Resp: 112849

Ion Ratio Lower Upper

95 100

174 67.9 0.0 149.8

176 64.5 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.85

80000

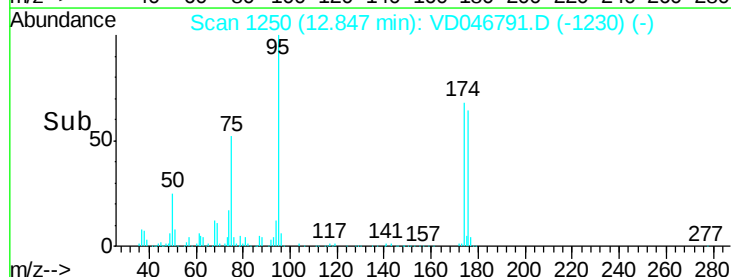
60000

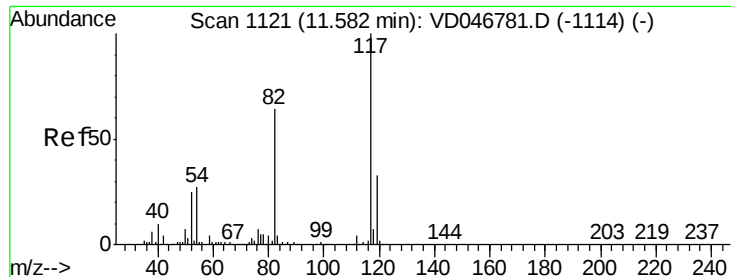
40000

20000

0

Time-->





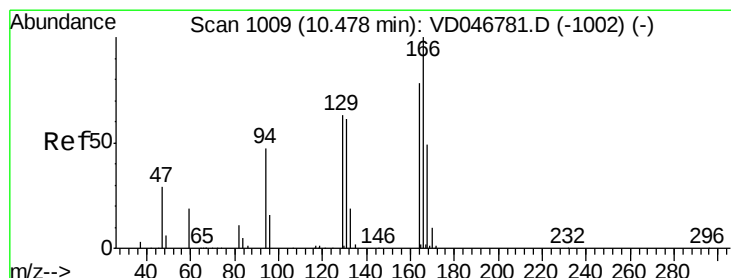
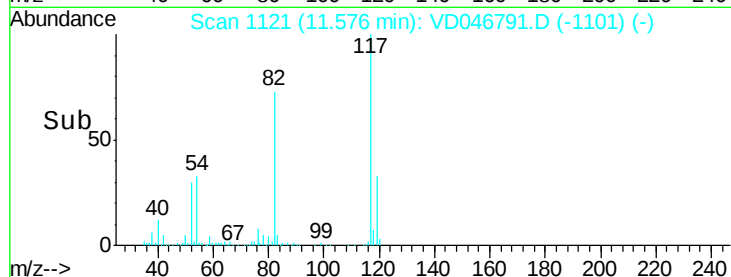
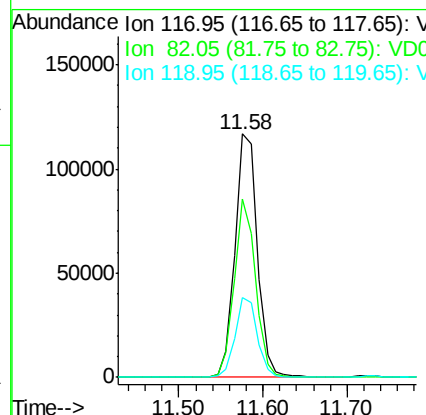
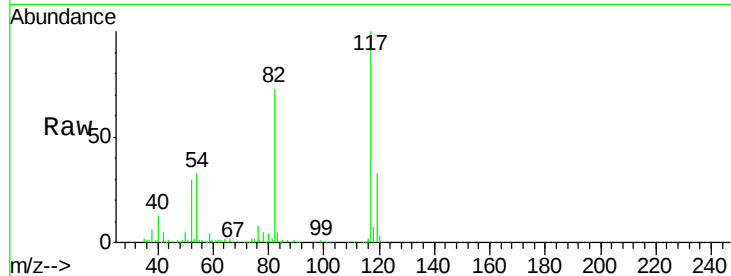
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	216368		
82	73.2	50.6	75.8	
119	32.8	25.8	38.8	

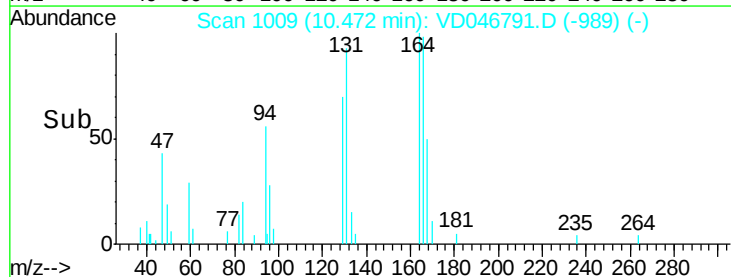
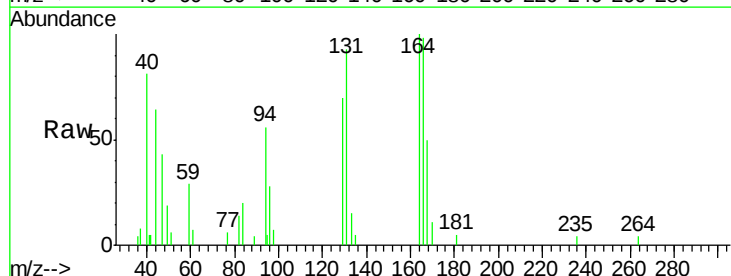
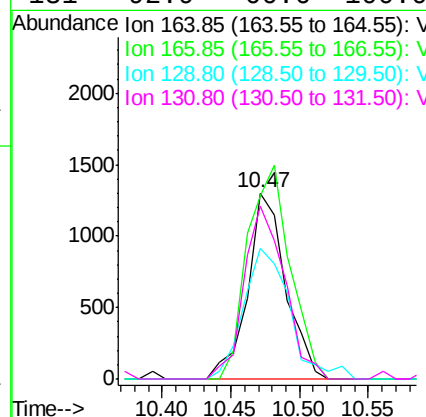
Manual Integrations
APPROVED

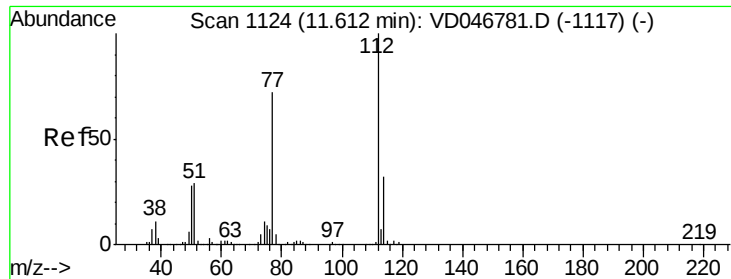
MMDadoda
9/21/2015 11:39:24 AM



#64
Tetrachloroethene
Concen: 1.43 ug/l
RT: 10.47 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2503		
166	98.0	106.8	160.2#	
129	70.2	70.6	106.0#	
131	92.9	66.6	100.0	





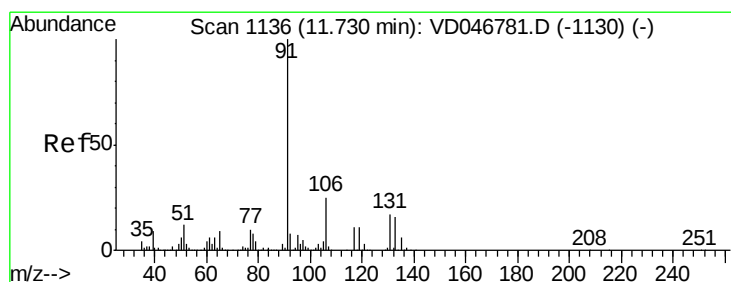
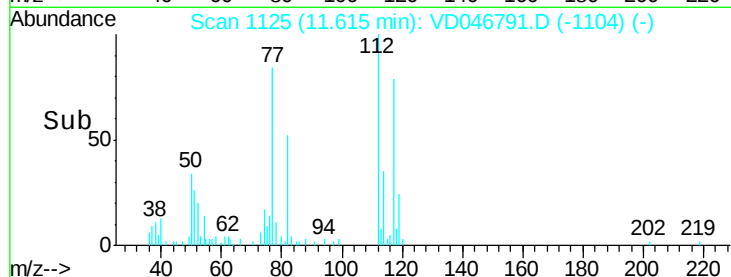
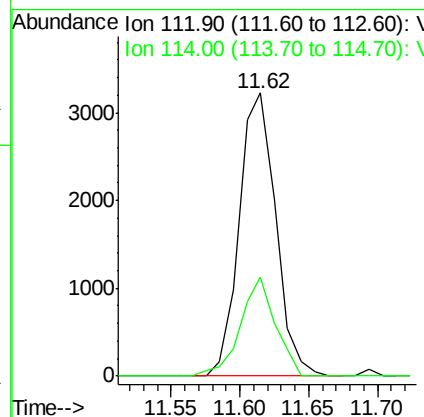
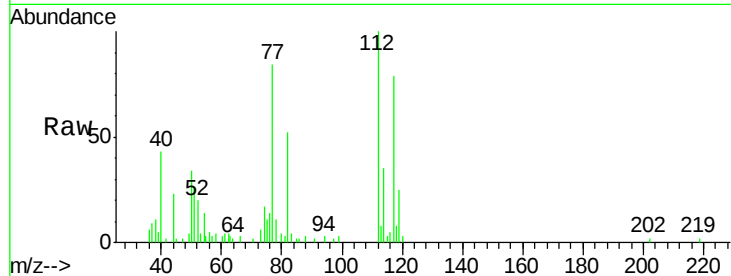
#65
Chlorobenzene
Concen: 1.31 ug/l
RT: 11.62 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:112 Resp: 5961
Ion Ratio Lower Upper
112 100
114 35.0 25.3 37.9

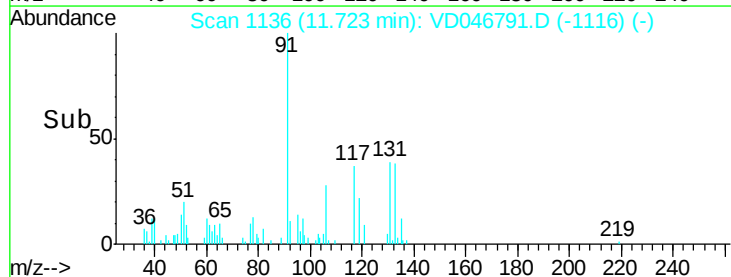
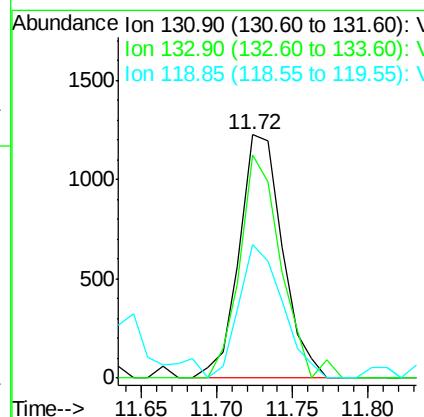
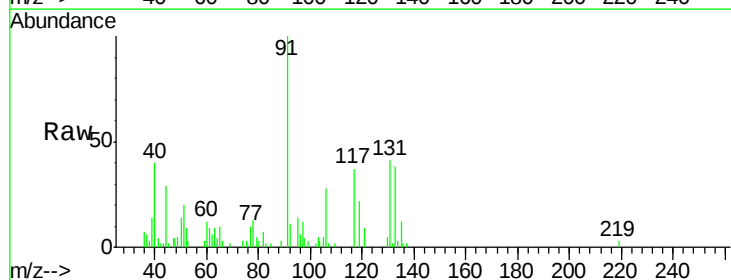
Manual Integrations
APPROVED

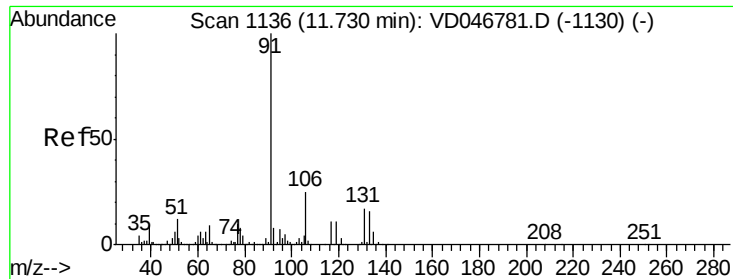
MMDadoda
9/21/2015 11:39:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 1.47 ug/l
RT: 11.72 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion:131 Resp: 2456
Ion Ratio Lower Upper
131 100
133 91.7 48.4 145.0
119 54.8 31.5 94.5





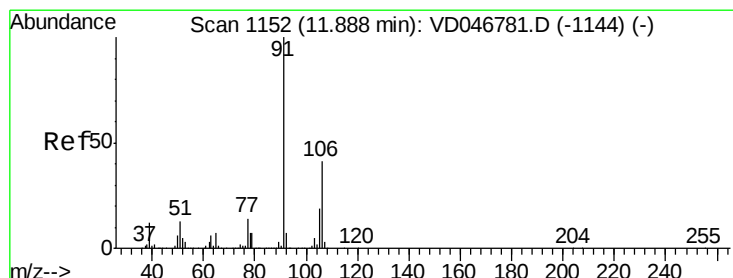
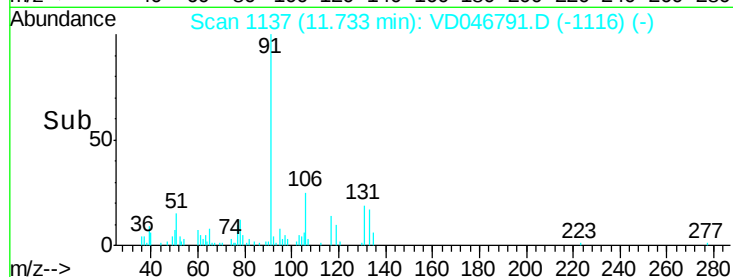
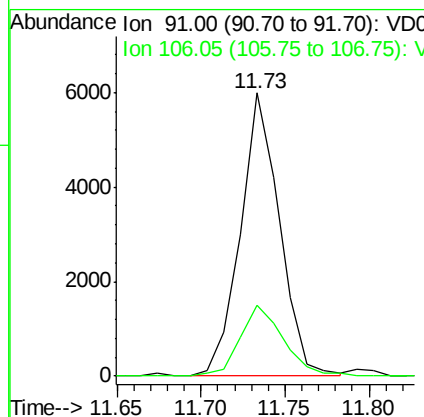
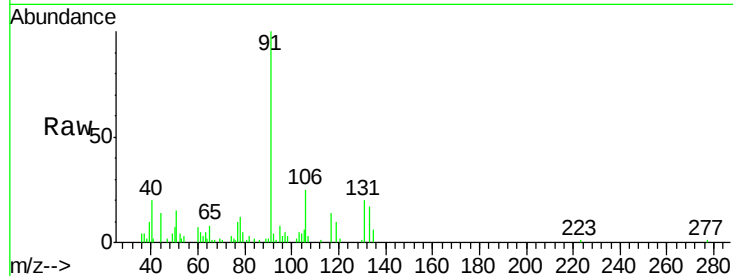
#67
Ethyl Benzene
Concen: 1.06 ug/l
RT: 11.73 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 91 Resp: 9665
Ion Ratio Lower Upper
91 100
106 25.0 20.2 30.2

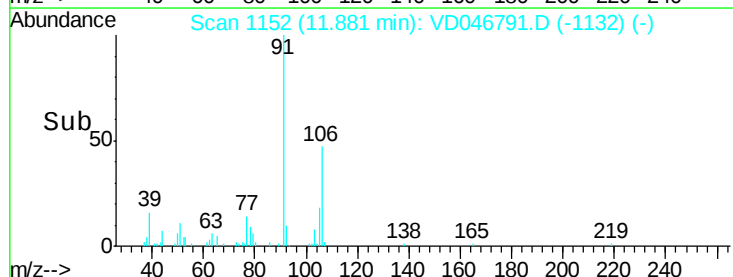
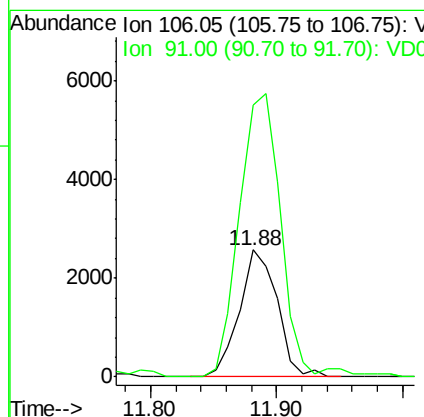
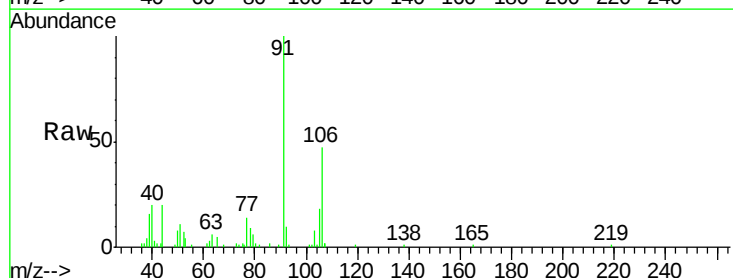
Manual Integrations
APPROVED

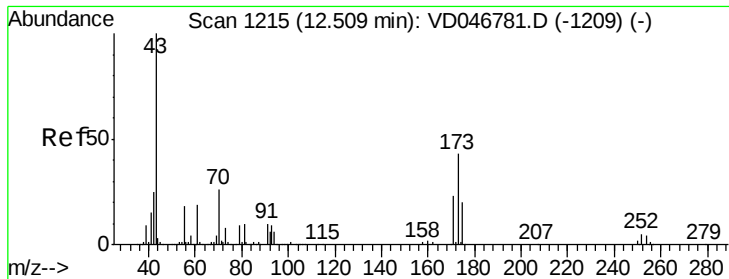
MMDadoda
9/21/2015 11:39:24 AM



#68
m/p-Xylenes
Concen: 1.86 ug/l
RT: 11.88 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion: 106 Resp: 5361
Ion Ratio Lower Upper
106 100
91 213.7 187.9 281.9





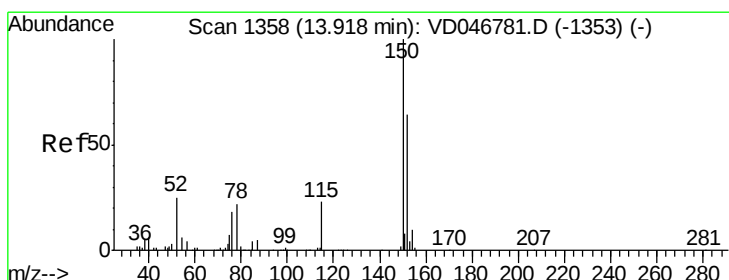
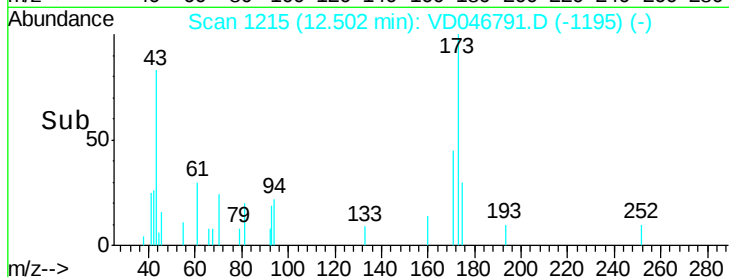
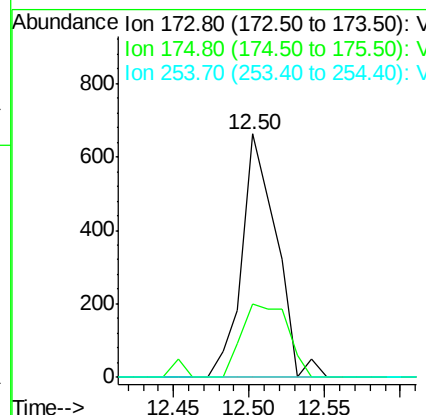
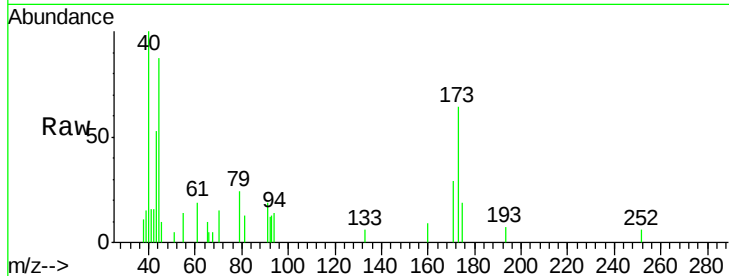
#71
Bromoform
Concen: 1.18 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	1047		
175	30.0	23.1	69.3	
254	0.0	8.7	13.1#	

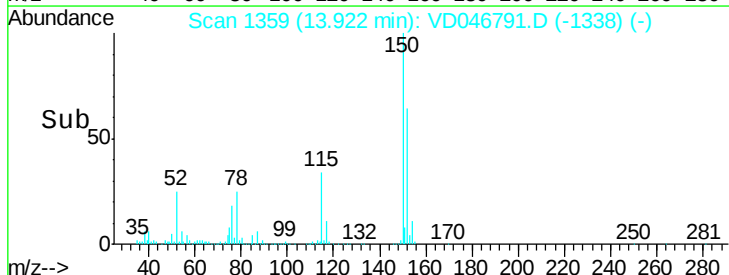
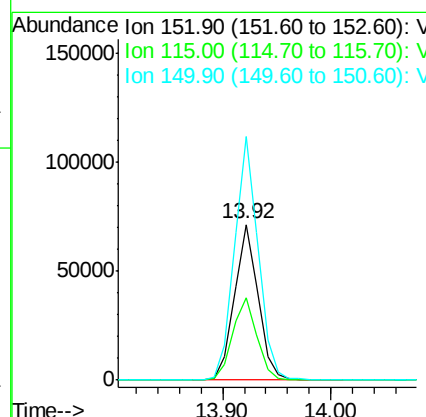
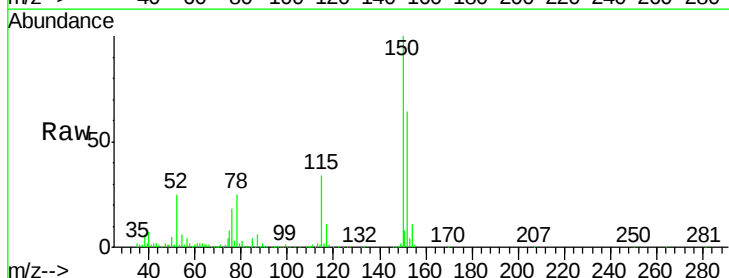
Manual Integrations
APPROVED

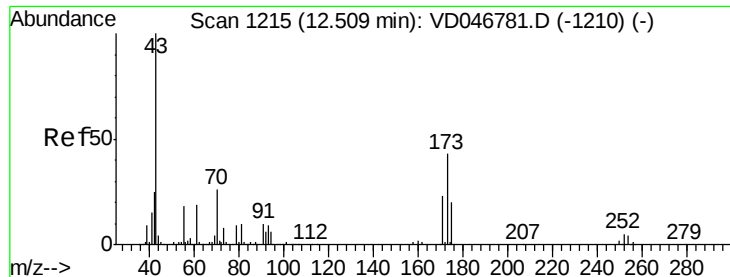
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	109372		
115	53.3	26.2	78.6	
150	156.8	0.0	311.8	





#74

N-ethyl acetate

Concen: 5.36 ug/l

RT: 12.51 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

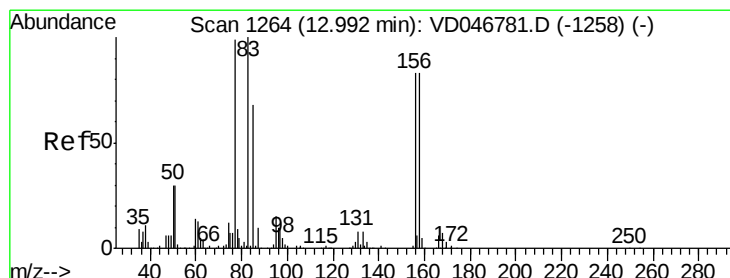
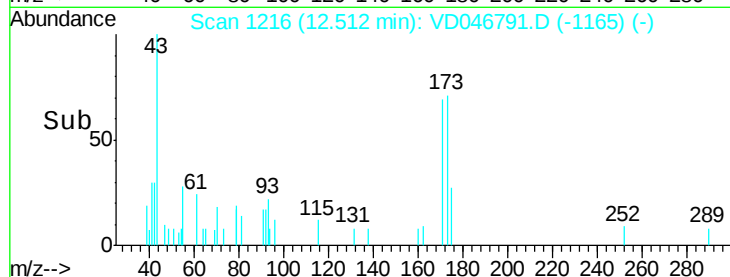
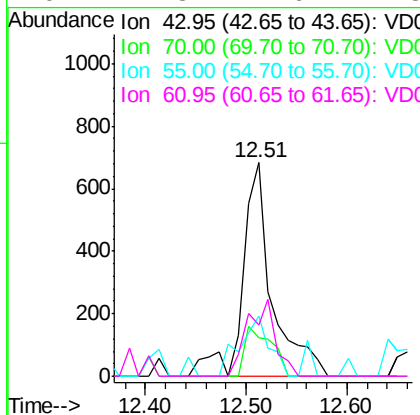
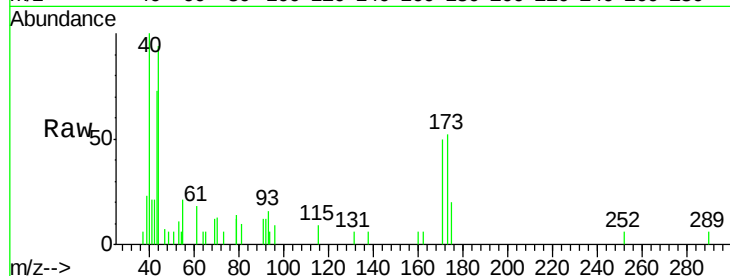
ClientSampled :

LOD-SOIL2015-01

Tgt Ion:	43	Resp:	1393
Ion	Ratio	Lower	Upper
43	100		
70	18.3	22.1	33.1#
55	28.4	14.5	21.7#
61	24.3	14.6	21.8#

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.31 ug/l

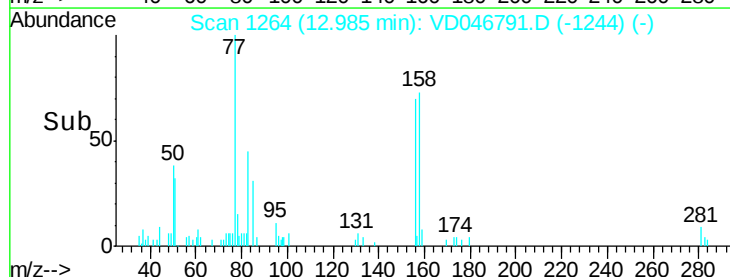
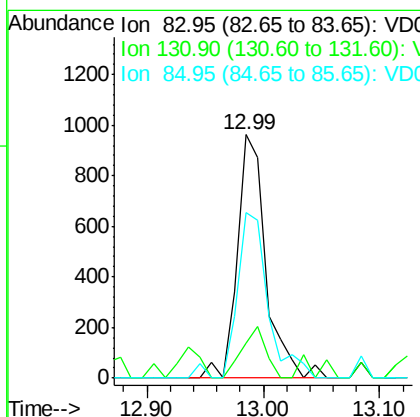
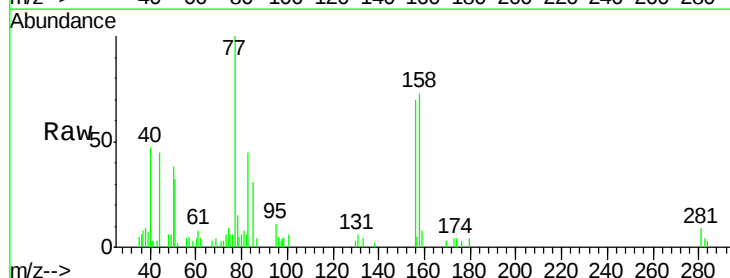
RT: 12.99 min Scan# 1264

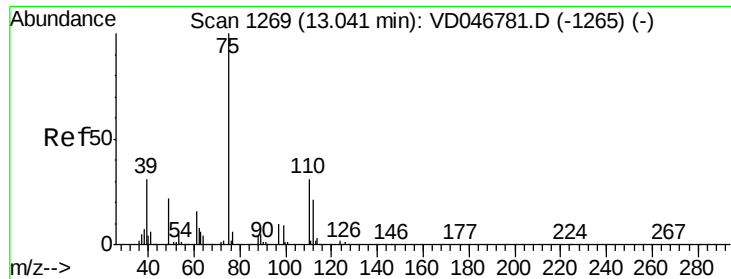
Delta R.T. -0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Tgt Ion:	83	Resp:	1630
Ion	Ratio	Lower	Upper
83	100		
131	14.2	3.9	11.7#
85	68.2	30.5	91.5





#76

1,2,3-Trichloropropane

Concen: 1.30 ug/l

RT: 13.04 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 75 Resp: 1736

Ion Ratio Lower Upper

75 100

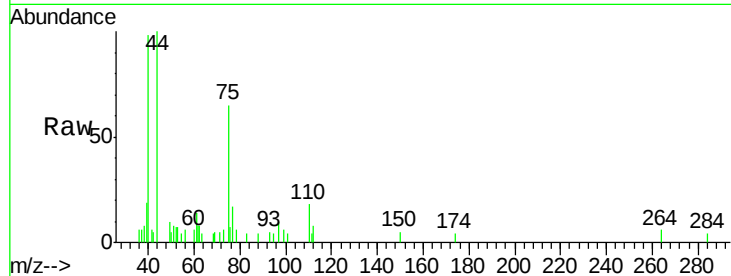
77 26.4 16.0 48.0

Manual Integrations

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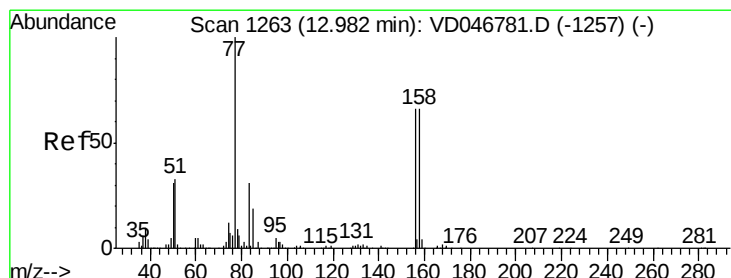
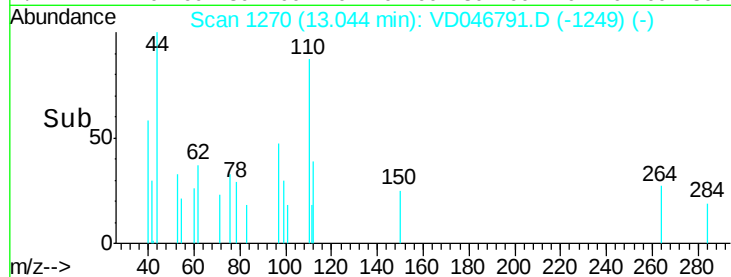
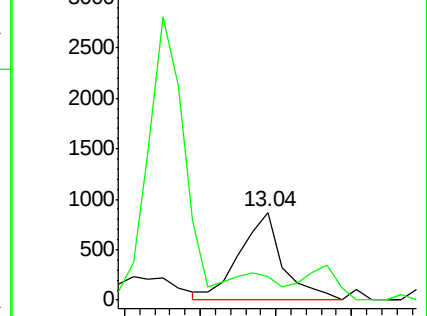
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#77

Bromobenzene

Concen: 1.33 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

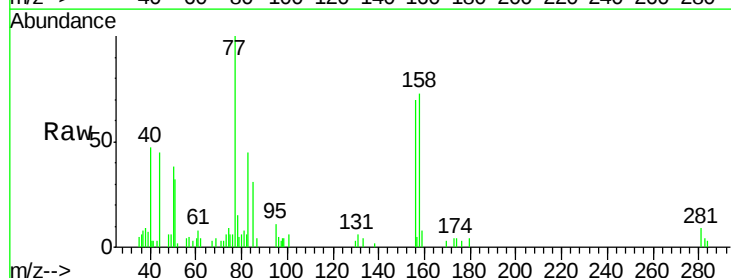
Tgt Ion: 156 Resp: 2588

Ion Ratio Lower Upper

156 100

77 142.1 70.3 210.8

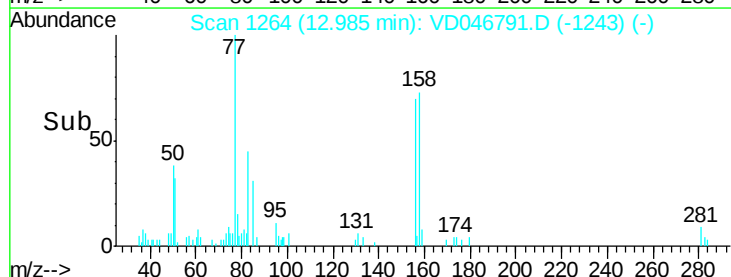
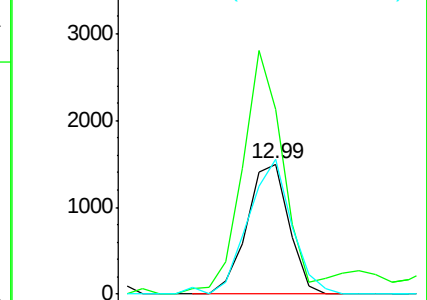
158 104.1 49.0 147.0

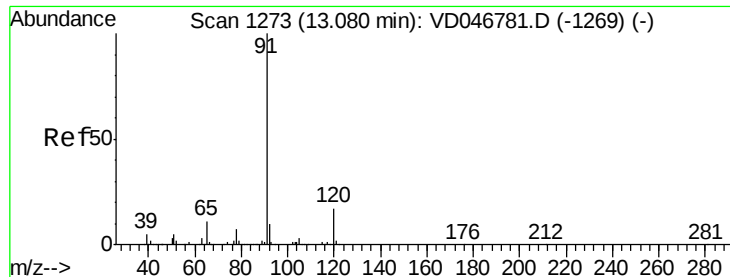


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 1.06 ug/l

RT: 13.08 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 91 Resp: 11517

Ion Ratio Lower Upper

91 100

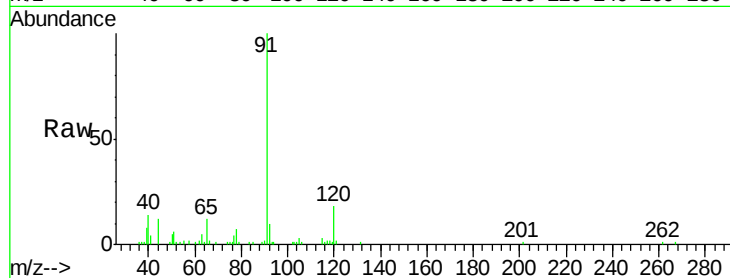
120 17.6 9.3 27.7

Manual Integrations

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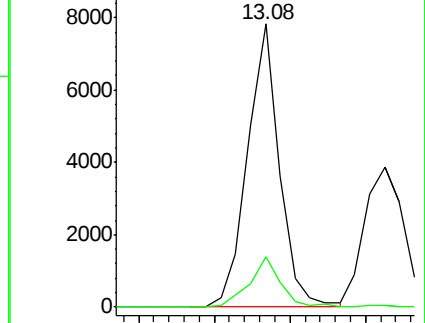
MMDadoda

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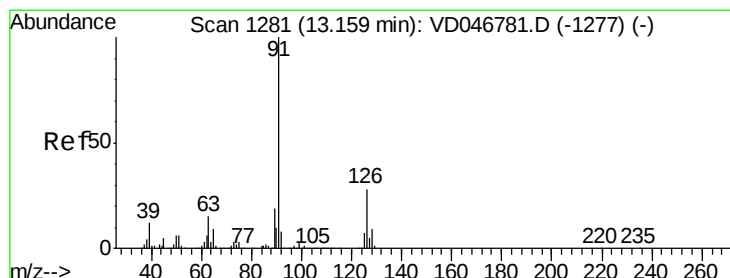
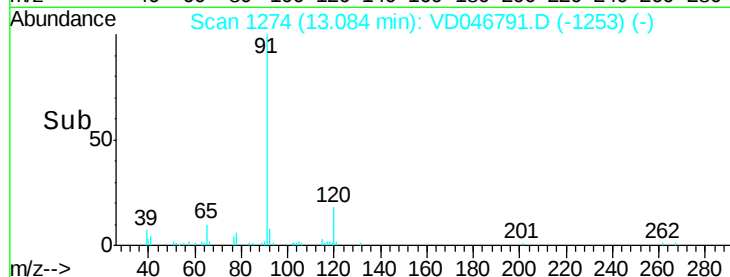


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



Time-->



#79

2-Chlorotoluene

Concen: 1.15 ug/l

RT: 13.16 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD046791.D

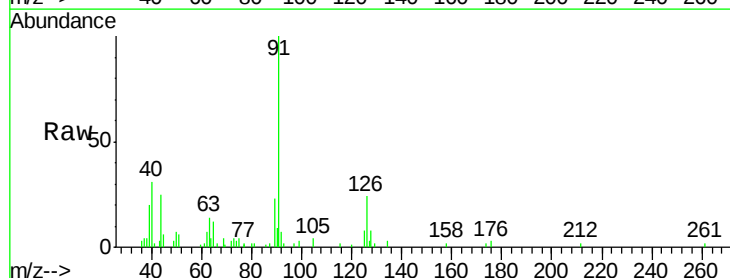
Acq: 18 Sep 2015 19:45

Tgt Ion: 91 Resp: 6937

Ion Ratio Lower Upper

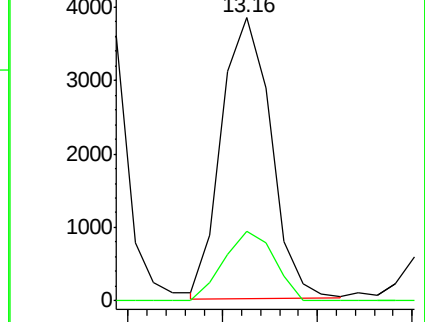
91 100

126 24.4 14.1 42.4

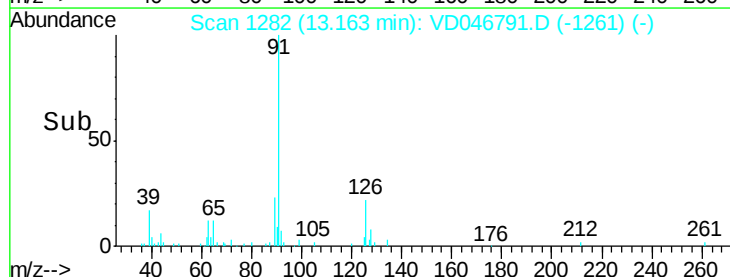


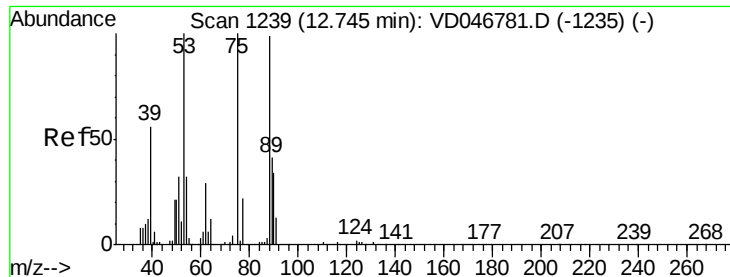
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



Time-->





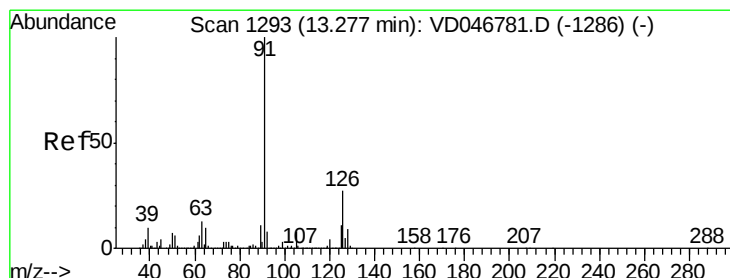
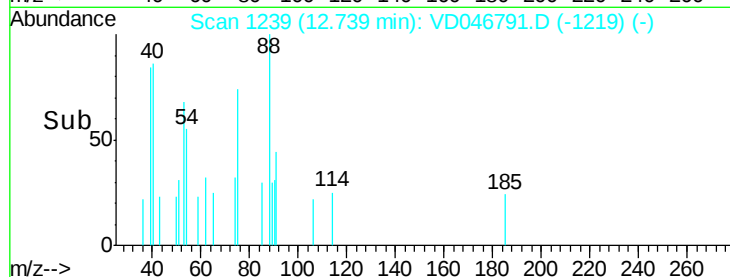
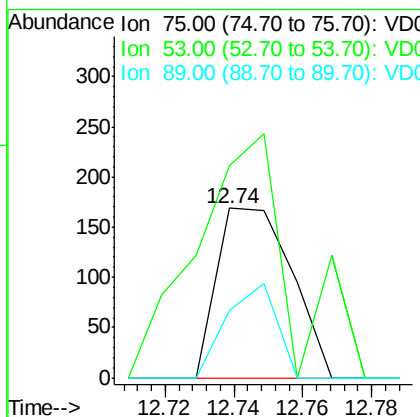
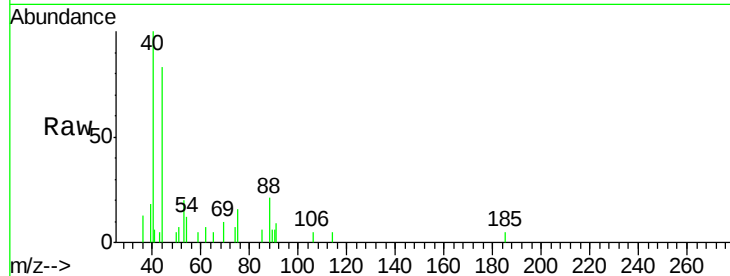
#81
trans-1,4-Dichloro-2-butene
Concen: 4.40 ug/l m
RT: 12.74 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	124.9	82.3	123.5#
89	39.6	36.6	54.8

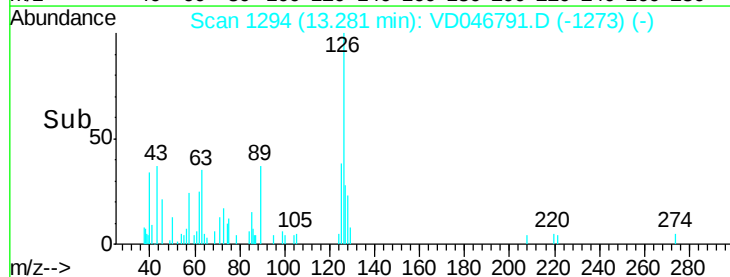
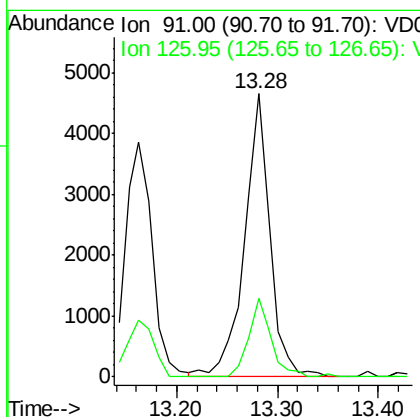
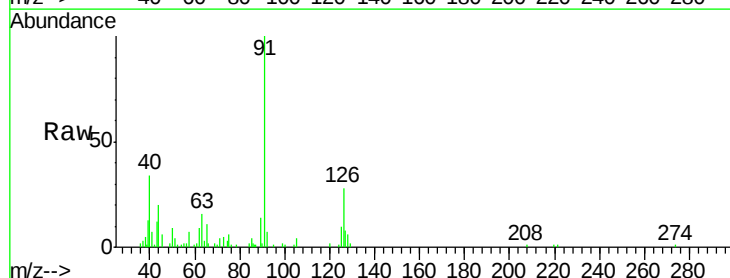
Manual Integrations
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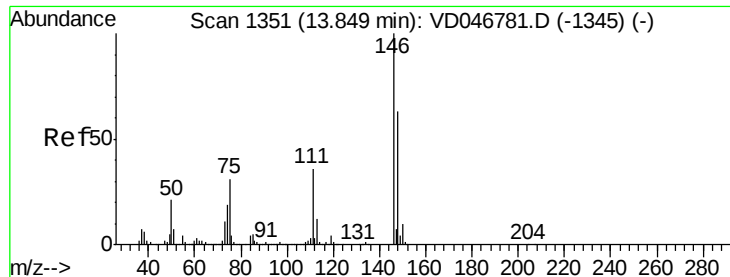
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#82
4-Chlorotoluene
Concen: 1.14 ug/l
RT: 13.28 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.4





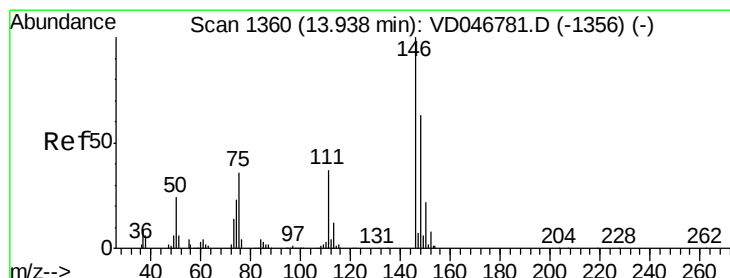
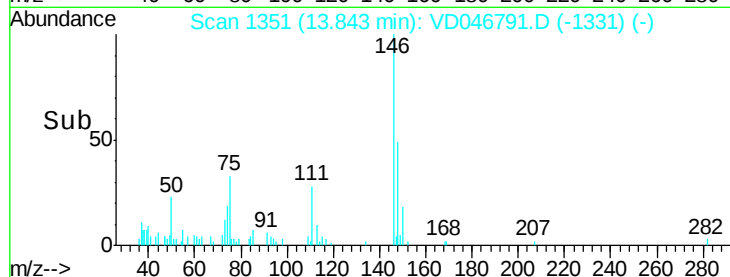
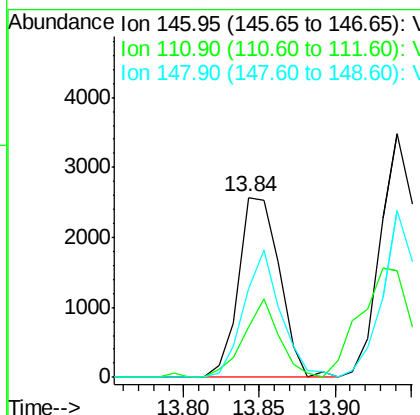
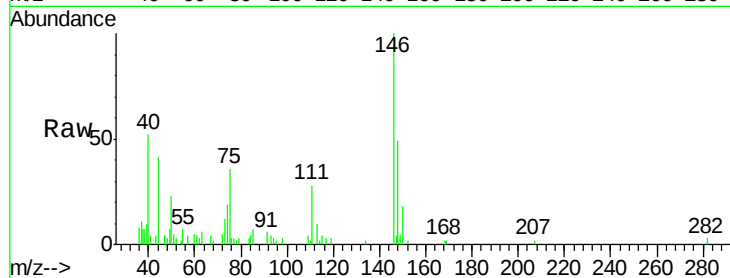
#87
 1,3-Dichlorobenzene
 Concen: 1.35 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	27.7	17.4	52.2
148	49.3	33.0	99.0

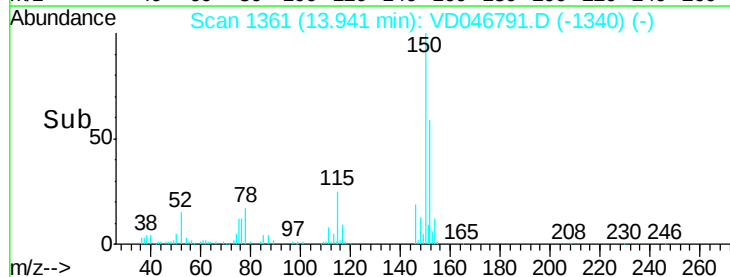
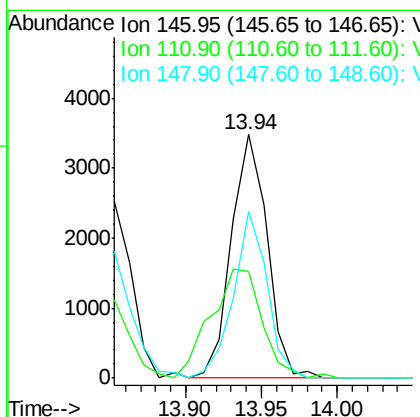
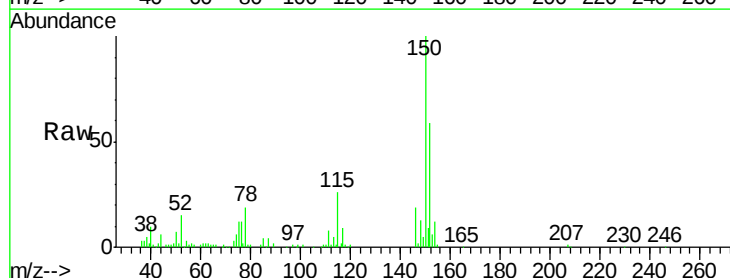
Manual Integrations
 APPROVED

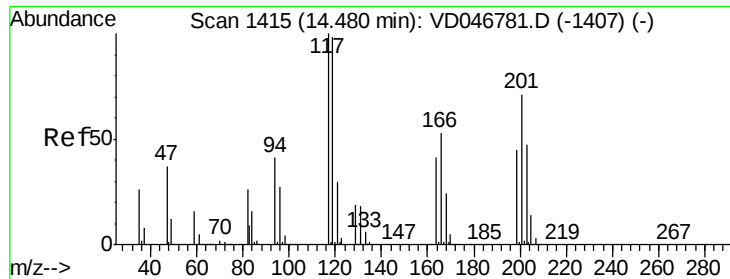
MMDadoda
 9/21/2015 11:39:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 1.59 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	17.0	51.0
148	68.3	31.9	95.7





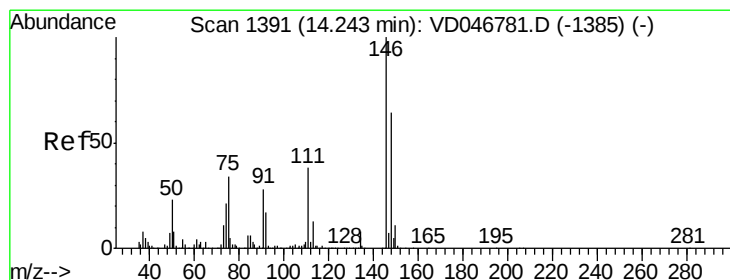
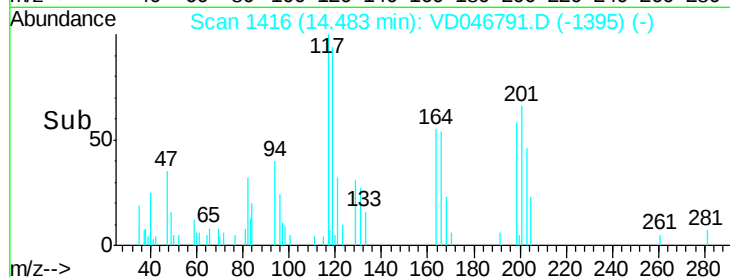
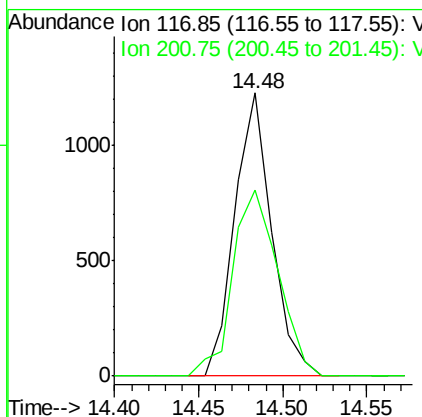
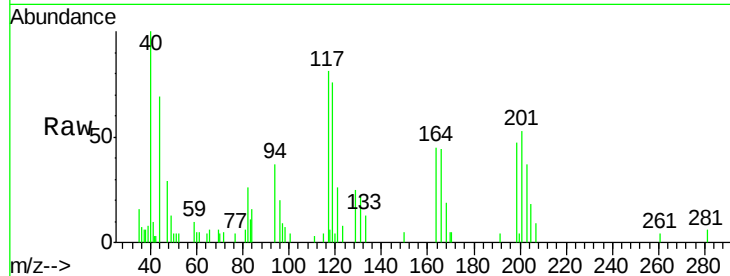
#90
Hexachloroethane
Concen: 1.26 ug/l
RT: 14.48 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Instrument :
MSVOA_D
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:117 Resp: 1869
Ion Ratio Lower Upper
117 100
201 65.6 41.0 123.0

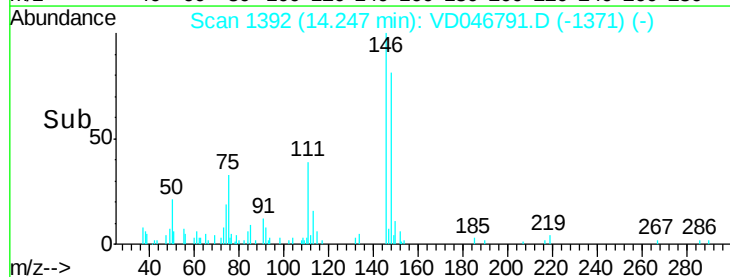
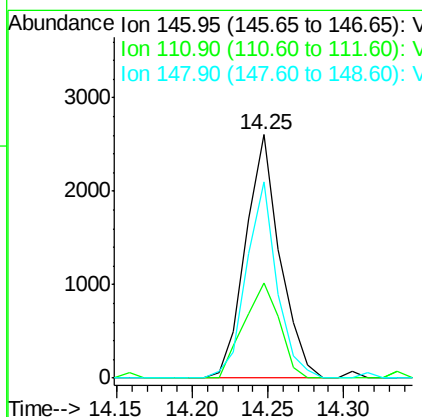
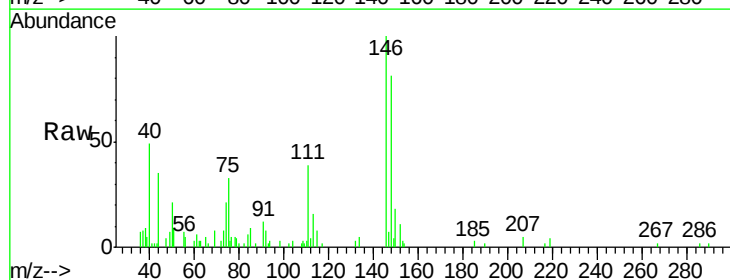
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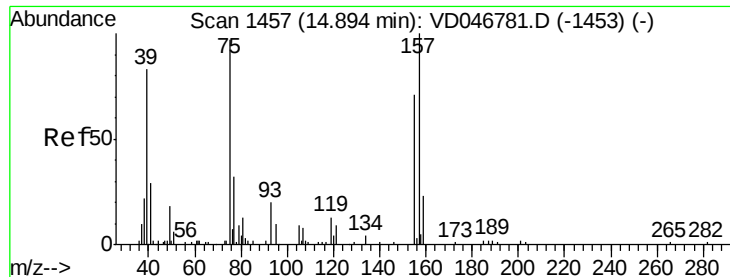
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9/21/2015 11:39:24 AM



#91
1,2-Dichlorobenzene
Concen: 1.36 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VD046791.D
Acq: 18 Sep 2015 19:45

Tgt Ion:146 Resp: 4131
Ion Ratio Lower Upper
146 100
111 38.8 18.2 54.6
148 80.8 31.1 93.3





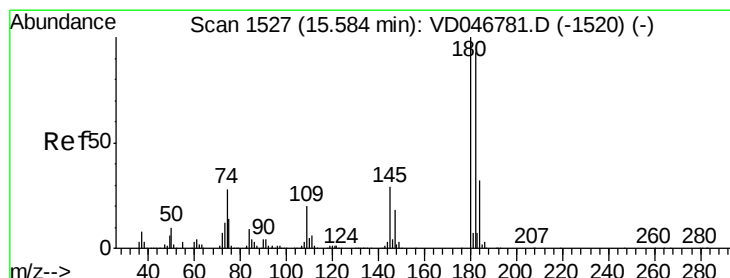
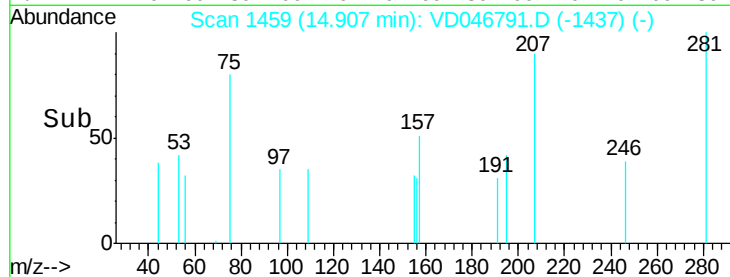
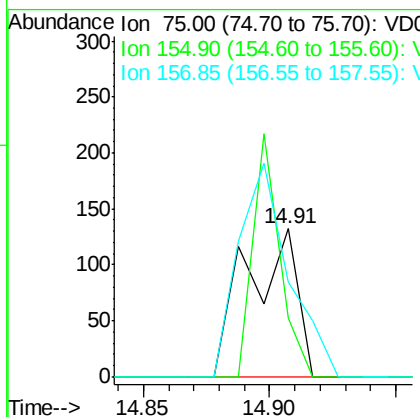
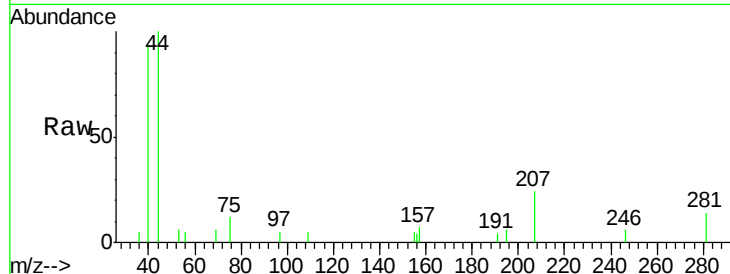
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.16 ug/l
 RT: 14.91 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	40.2	41.4	124.4#
157	63.6	65.0	195.1#

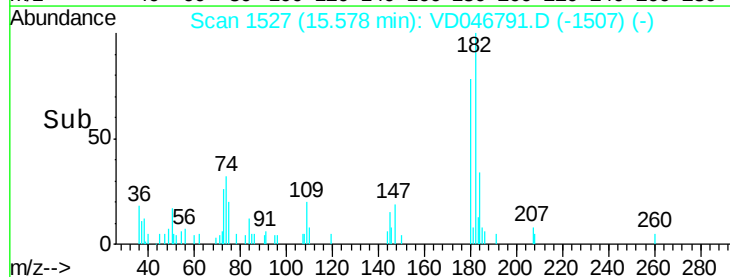
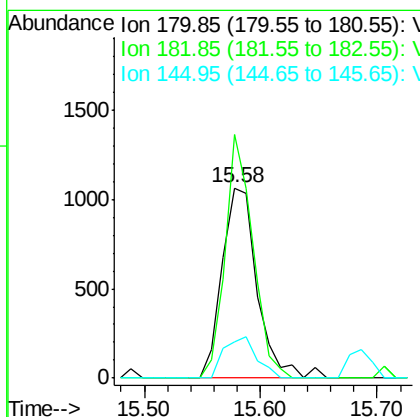
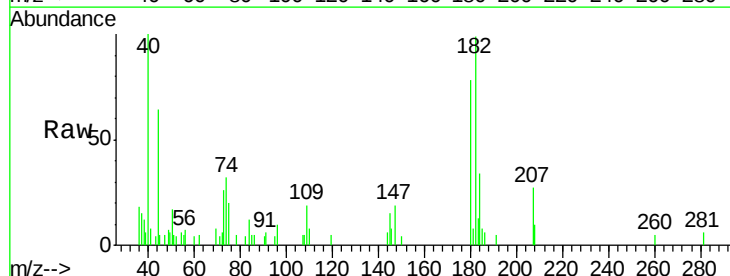
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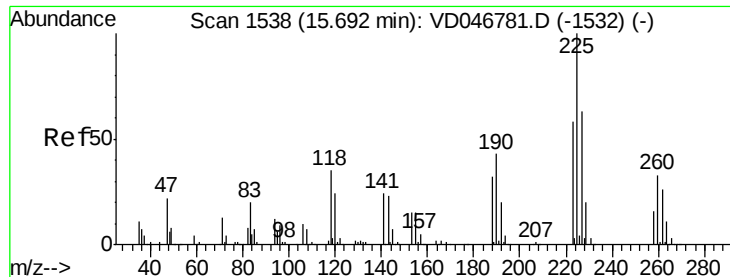
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#93
 1,2,4-Trichlorobenzene
 Concen: 1.27 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	128.1	47.5	142.5
145	18.9	14.6	44.0





#94

Hexachlorobutadiene

Concen: 1.59 ug/l

RT: 15.69 min Scan# 1538

Delta R.T. -0.01 min

Lab File: VD046791.D

Acq: 18 Sep 2015 19:45

Instrument :

MSVOA_D

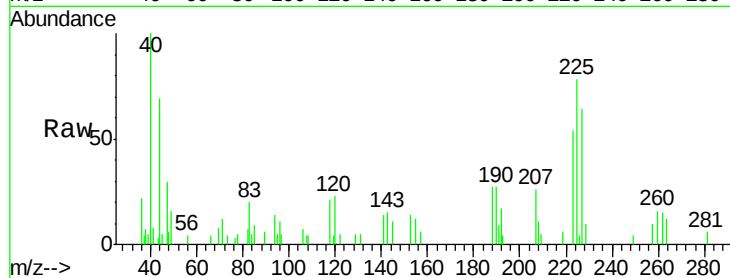
ClientSampleId :

LOD-SOIL2015-01

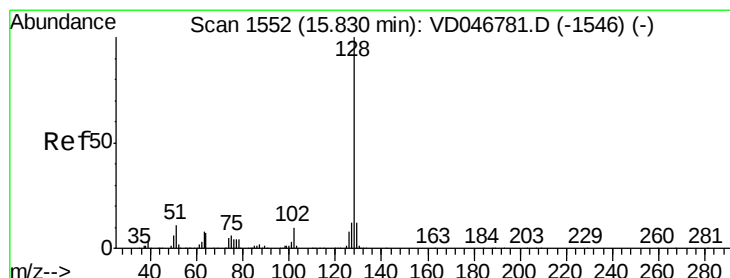
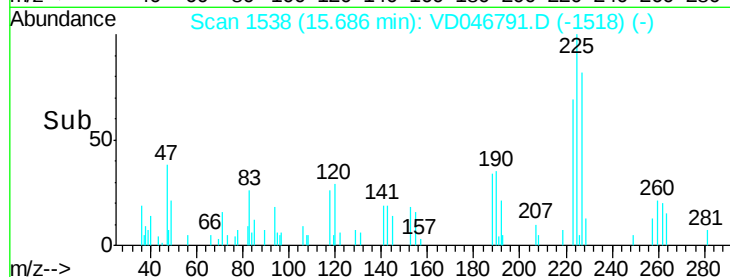
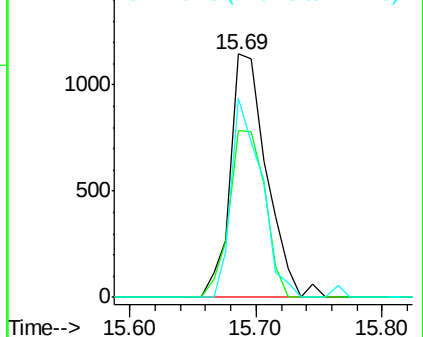
Tgt Ion:	225	Resp:	2288
Ion Ratio	Lower	Upper	
225	100		
223	68.8	30.4	91.2
227	81.8	31.3	93.9

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Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V



#95

Naphthalene

Concen: 3.16 ug/l

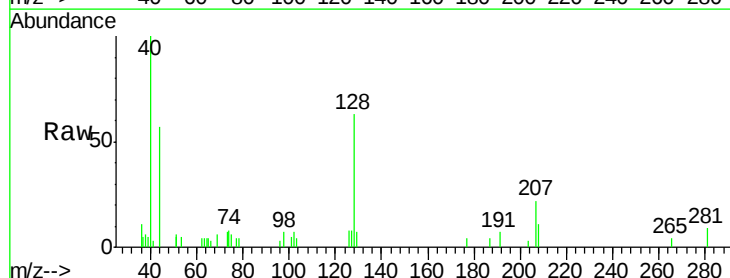
RT: 15.83 min Scan# 1553

Delta R.T. 0.00 min

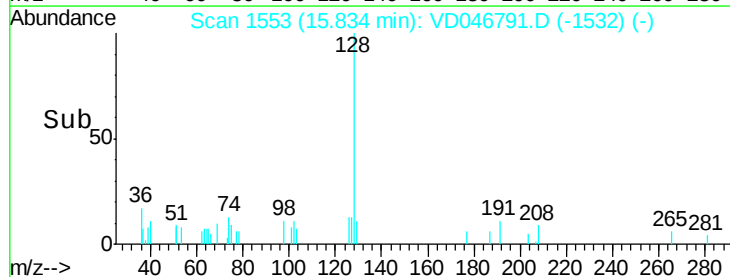
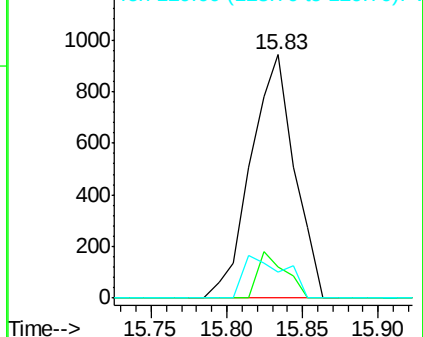
Lab File: VD046791.D

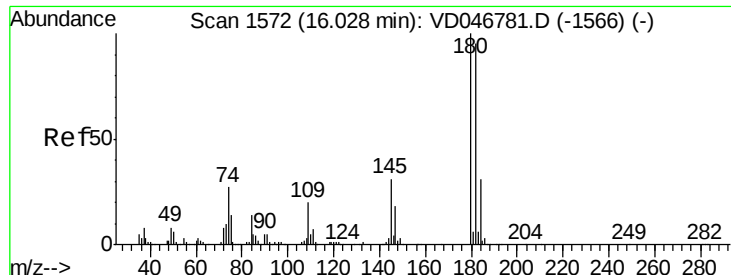
Acq: 18 Sep 2015 19:45

Tgt Ion:	128	Resp:	1897
Ion Ratio	Lower	Upper	
128	100		
127	12.9	9.8	14.6
129	10.7	8.6	12.8



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





#96
 1,2,3-Trichlorobenzene
 Concen: 1.34 ug/l
 RT: 16.03 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VD046791.D
 Acq: 18 Sep 2015 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:	180	Resp:	1965
Ion Ratio	Lower	Upper	
180	100		
182	86.2	47.4	142.3
145	24.6	15.4	46.4

Manual Integrations
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