

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046795.D
 Acq On : 18 Sep 2015 21:34
 Operator : FY/SY
 Sample : G3707-04LOQ 10ppb
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:29 AM

Quant Time: Sep 19 01:07:40 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	177674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	240072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	231306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	120929	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	103399	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	6.21	113	98921	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	9.62	98	321263	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.85	95	126272	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.42	85	20670	9.09	ug/l	96
3) Chlorodifluoromethane	1.44	51	17525	8.37	ug/l	94
4) Chloromethane	1.58	50	11841	11.31	ug/l	97
5) Vinyl Chloride	1.68	62	10912	11.09	ug/l	99
6) Bromomethane	1.98	94	11738	10.54	ug/l	92
7) Chloroethane	2.08	64	7299	11.85	ug/l	92
8) Trichlorofluoromethane	2.33	101	32601	11.20	ug/l	94
9) Diethyl Ether	2.64	74	5702	11.05	ug/l	91
10) 1,1,2-Trichlorotrifluoroet	2.89	101	20057	11.02	ug/l #	87
11) Methyl Iodide	3.06	142	15392	8.72	ug/l	98
12) Tert butyl alcohol	3.67	59	6000	47.48	ug/l #	74
13) 1,1-Dichloroethene	2.88	96	14366	10.09	ug/l	96
14) Acrolein	2.78	56	2652	28.10	ug/l #	80
15) Allyl chloride	3.33	41	28446	9.84	ug/l	86
16) Acrylonitrile	3.85	53	11510	53.36	ug/l #	96
17) Acetone	2.95	43	16021	51.33	ug/l	94
18) Carbon Disulfide	3.13	76	57470	10.78	ug/l #	94
19) Methyl Acetate	3.34	43	21487	11.88	ug/l	96
20) Methyl tert-butyl Ether	3.91	73	22555	10.11	ug/l #	87
21) Methylene Chloride	3.51	84	21819	12.87	ug/l #	87
22) trans-1,2-Dichloroethene	3.90	96	16989	10.58	ug/l	89
23) Diisopropyl ether	4.66	45	49891	10.40	ug/l #	85
24) Vinyl Acetate	4.61	43	37280	46.15	ug/l #	96
25) 1,1-Dichloroethane	4.57	63	32367	10.95	ug/l	98
26) 2-Butanone	5.45	43	18280	52.11	ug/l	97
27) 2,2-Dichloropropane	5.42	77	31462	10.36	ug/l	97
28) cis-1,2-Dichloroethene	5.43	96	18340	10.97	ug/l	94
29) Bromochloromethane	5.79	49	13253	11.38	ug/l	98
30) Chloroform	5.98	83	40890	11.41	ug/l	96
31) Cyclohexane	6.28	56	28879	10.41	ug/l #	88
32) 1,1,1-Trichloroethane	6.18	97	35175	11.02	ug/l	96
36) 1,1-Dichloropropene	6.43	75	28952	10.32	ug/l #	93
37) Ethyl Acetate	5.54	43	9100	10.10	ug/l #	93
38) Carbon Tetrachloride	6.41	117	29627	10.16	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	24667	8.68	ug/l	93
40) Benzene	6.73	78	77458	10.82	ug/l	98
41) Methacrylonitrile	5.76	41	4959	9.81	ug/l #	83
42) 1,2-Dichloroethane	6.83	62	23625	10.62	ug/l	97
43) Isopropyl Acetate	8.41	43	10653	8.97	ug/l #	95
44) Trichloroethene	7.75	130	18122	10.11	ug/l	91
45) 1,2-Dichloropropane	8.15	63	19019	10.72	ug/l	100
46) Dibromomethane	8.27	93	10904	10.82	ug/l	89
47) Bromodichloromethane	8.57	83	27409	10.37	ug/l #	96
48) Methyl methacrylate	8.09	41	16754	9.22	ug/l	93
49) 1,4-Dioxane	8.30	88	1402	208.67	ug/l	95
51) 4-Methyl-2-Pentanone	9.49	43	40031	46.63	ug/l	98
52) Toluene	9.72	92	45623	10.33	ug/l	91
53) t-1,3-Dichloropropene	10.13	75	18034	9.24	ug/l	92
54) cis-1,3-Dichloropropene	9.23	75	23951	9.53	ug/l	93
55) 1,1,2-Trichloroethane	10.40	97	12601	11.02	ug/l	99
56) Ethyl methacrylate	10.24	69	8035	10.12	ug/l	96
57) 1,3-Dichloropropane	10.61	76	21667	10.19	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.03	63	21970	44.29	ug/l	95
59) 2-Hexanone	10.72	43	27902	44.99	ug/l	94
60) Dibromochloromethane	10.89	129	16167	10.30	ug/l	90
61) 1,2-Dibromoethane	11.02	107	11881	10.52	ug/l	93
64) Tetrachloroethene	10.47	164	18586	9.95	ug/l	97
65) Chlorobenzene	11.61	112	49843	10.24	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	17993	10.06	ug/l	96
67) Ethyl Benzene	11.73	91	94506	9.66	ug/l	97
68) m/p-Xylenes	11.88	106	60236	19.52	ug/l	88
69) o-Xylene	12.30	106	24918	8.97	ug/l	87
70) Styrene	12.31	104	46742	9.71	ug/l	98
71) Bromoform	12.50	173	9431	9.90	ug/l	87
73) Isopropylbenzene	12.67	105	80311	9.42	ug/l	92
74) N-amyl acetate	12.50	43	13533	10.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.99	83	14780	10.74	ug/l	99
76) 1,2,3-Trichloropropane	13.03	75	14730	10.01	ug/l	96
77) Bromobenzene	12.98	156	21351	9.96	ug/l	86
78) n-propylbenzene	13.08	91	117864	9.79	ug/l	98
79) 2-Chlorotoluene	13.16	91	65589	9.81	ug/l	99
80) 1,3,5-Trimethylbenzene	13.25	105	64920	9.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.74	75	3183	11.03	ug/l	86
82) 4-Chlorotoluene	13.28	91	80849	10.16	ug/l	99
83) tert-Butylbenzene	13.54	119	56251m	9.18	ug/l	
84) 1,2,4-Trimethylbenzene	13.60	105	66252	9.69	ug/l	100
85) sec-Butylbenzene	13.73	105	87526	9.72	ug/l	94
86) p-Isopropyltoluene	13.87	119	68166	9.63	ug/l	94
87) 1,3-Dichlorobenzene	13.84	146	40406	10.10	ug/l	96
88) 1,4-Dichlorobenzene	13.94	146	41232	10.37	ug/l	98
89) n-Butylbenzene	14.22	91	73696	9.23	ug/l	98
90) Hexachloroethane	14.48	117	16312	9.94	ug/l	98
91) 1,2-Dichlorobenzene	14.24	146	35051	10.43	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.90	75	1784	10.09	ug/l	79

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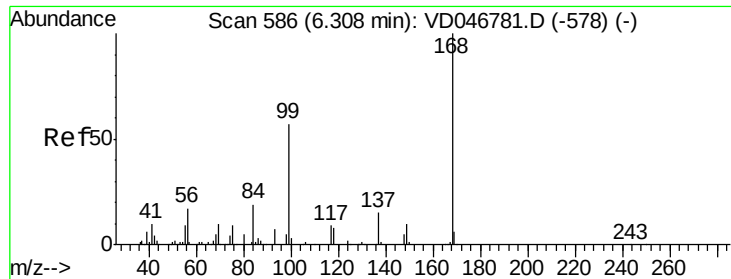
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	18607	9.62	ug/l	99
94) Hexachlorobutadiene	15.69	225	15377	9.65	ug/l	95
95) Naphthalene	15.82	128	19721	9.71	ug/l #	94
96) 1,2,3-Trichlorobenzene	16.02	180	15432	9.55	ug/l	97

(#) = 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: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:168 Resp: 177674

Ion Ratio Lower Upper

168 100

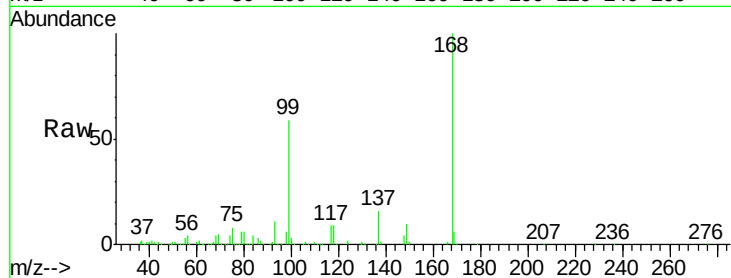
99 58.9 42.4 63.6

Manual Integrations

APPROVED

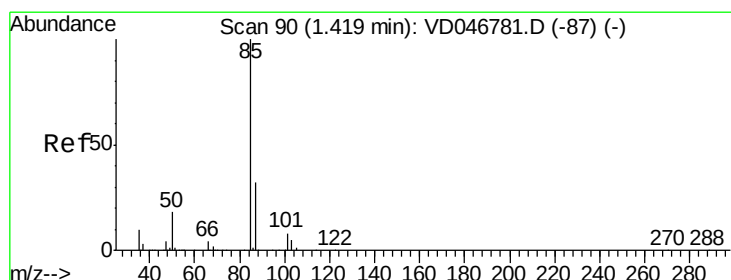
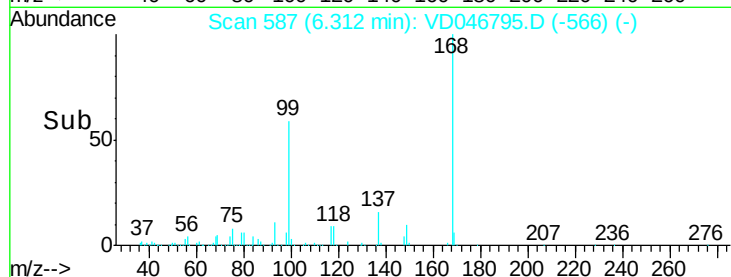
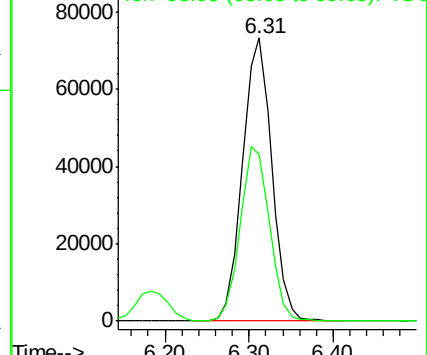
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 9.09 ug/l

RT: 1.42 min Scan# 91

Delta R.T. 0.00 min

Lab File: VD046795.D

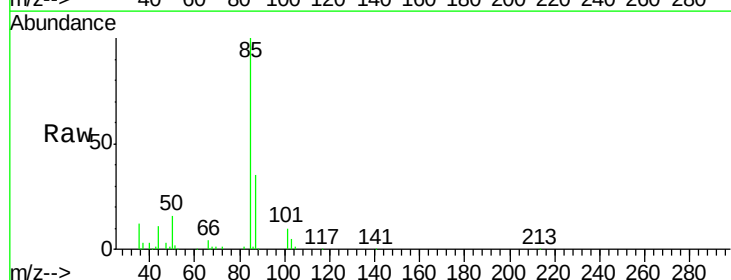
Acq: 18 Sep 2015 21:34

Tgt Ion: 85 Resp: 20670

Ion Ratio Lower Upper

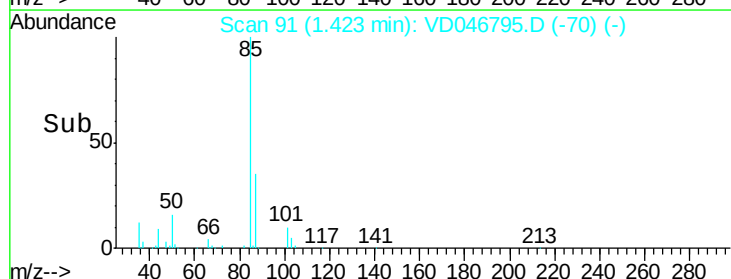
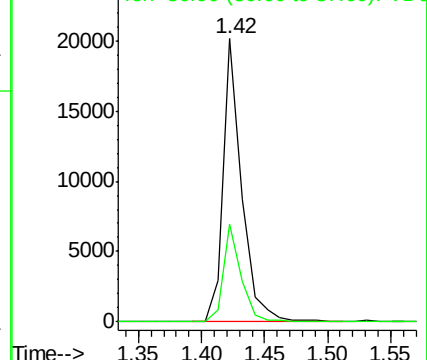
85 100

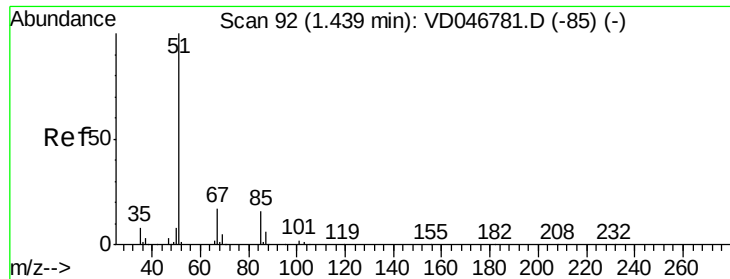
87 34.7 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 8.37 ug/l

RT: 1.44 min Scan# 93

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion: 51 Resp: 17525

Ion Ratio Lower Upper

51 100

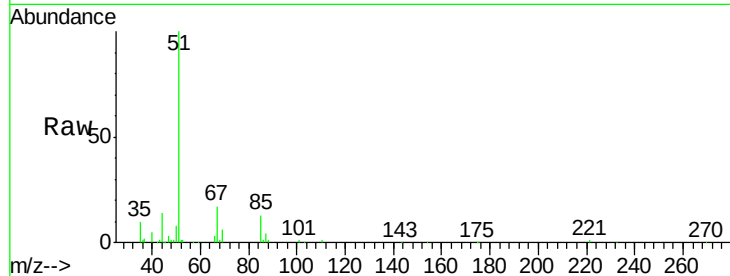
67 16.0 10.9 16.3

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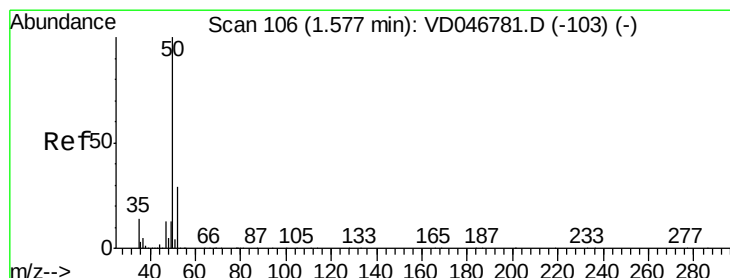
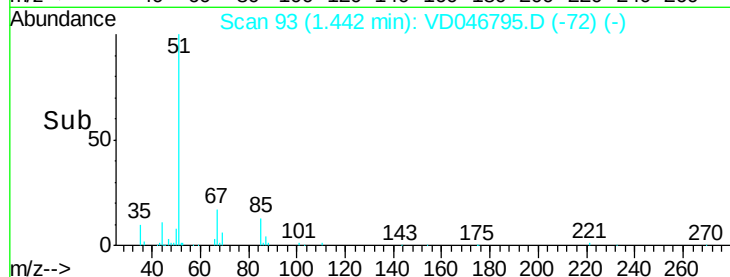
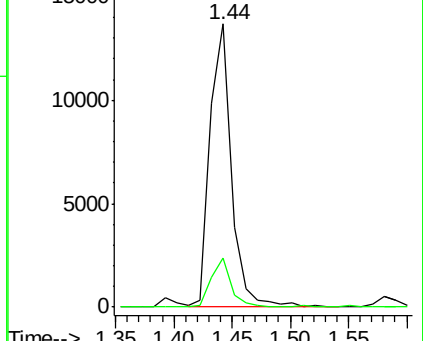
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 11.31 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD046795.D

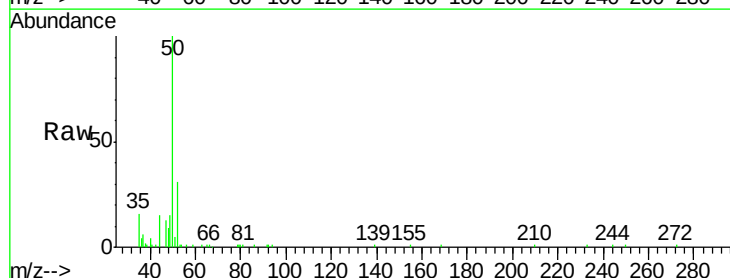
Acq: 18 Sep 2015 21:34

Tgt Ion: 50 Resp: 11841

Ion Ratio Lower Upper

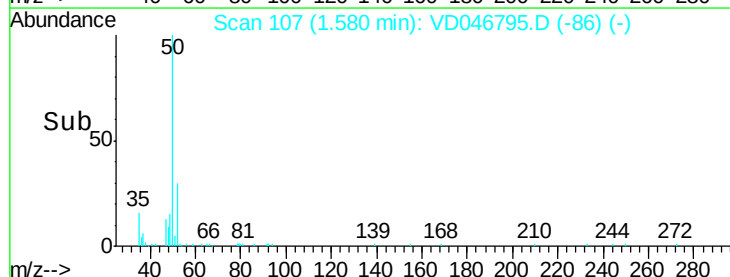
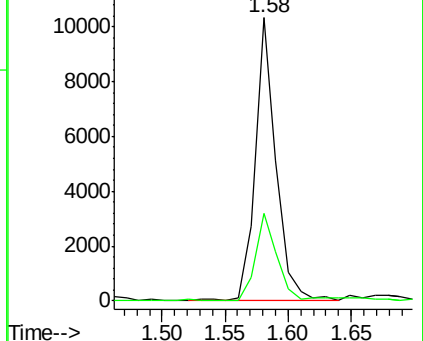
50 100

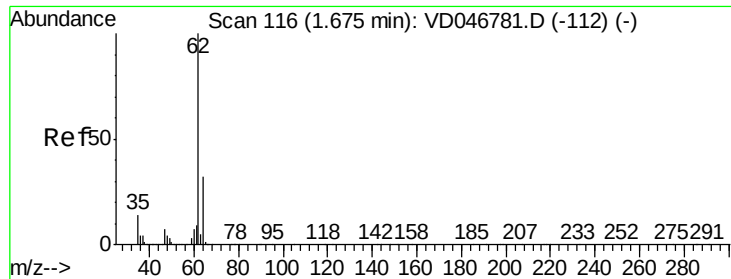
52 30.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 11.09 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

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LOQ-SOIL2015-02

Tgt Ion: 62 Resp: 10912

Ion Ratio Lower Upper

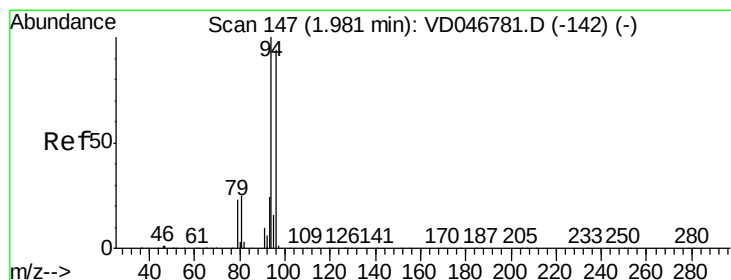
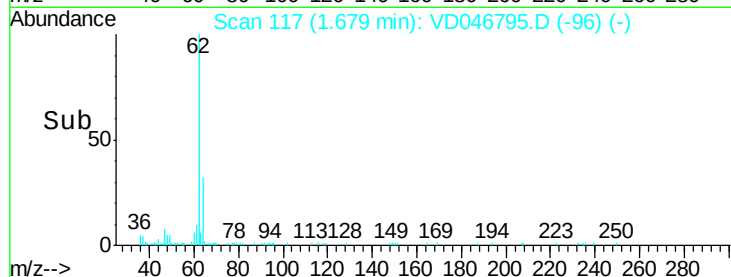
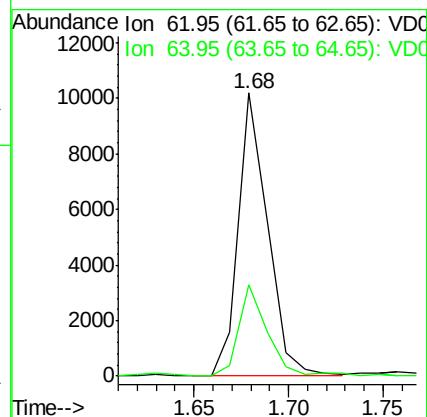
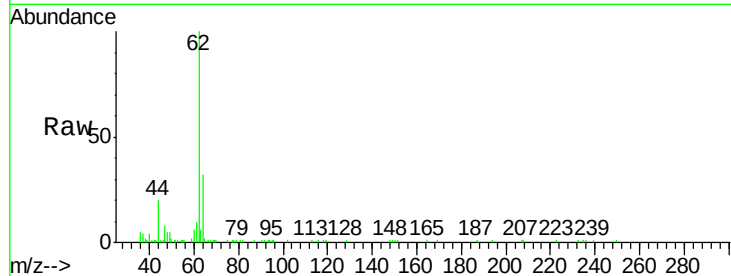
62 100

64 32.2 26.4 39.6

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#6

Bromomethane

Concen: 10.54 ug/l

RT: 1.98 min Scan# 148

Delta R.T. 0.00 min

Lab File: VD046795.D

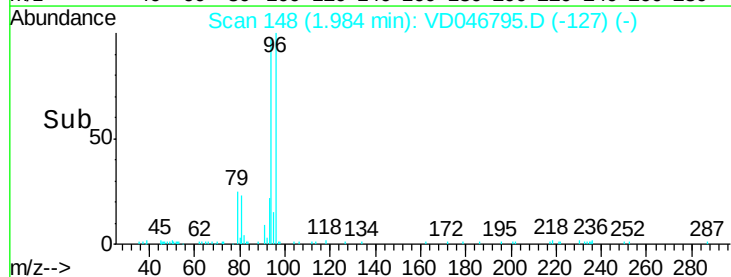
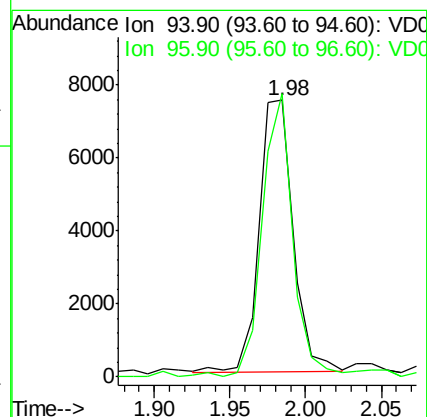
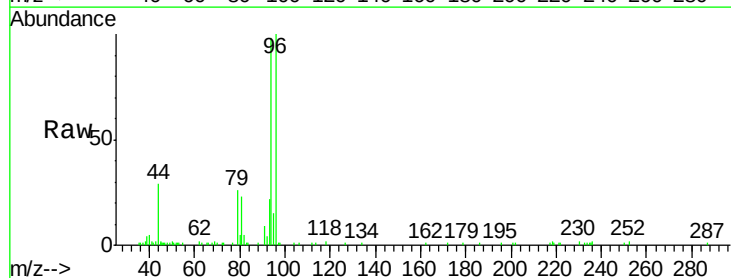
Acq: 18 Sep 2015 21:34

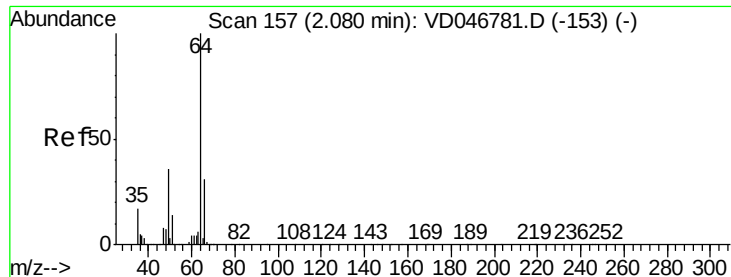
Tgt Ion: 94 Resp: 11738

Ion Ratio Lower Upper

94 100

96 102.4 76.0 114.0





#7

Chloroethane

Concen: 11.85 ug/l

RT: 2.08 min Scan# 158

Delta R.T. 0.00 min

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Tgt Ion: 64 Resp: 7299

Ion Ratio Lower Upper

64 100

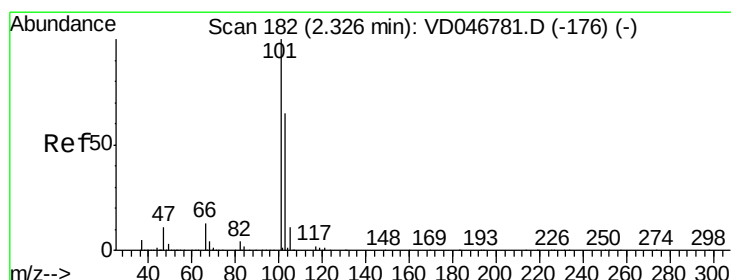
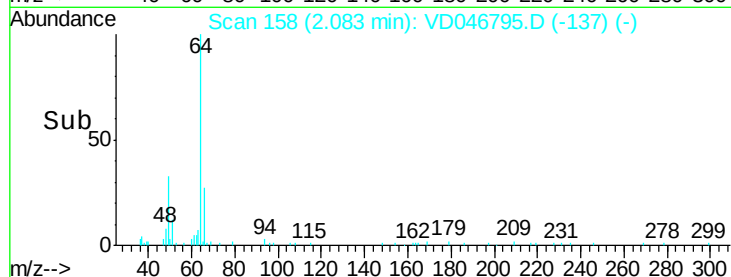
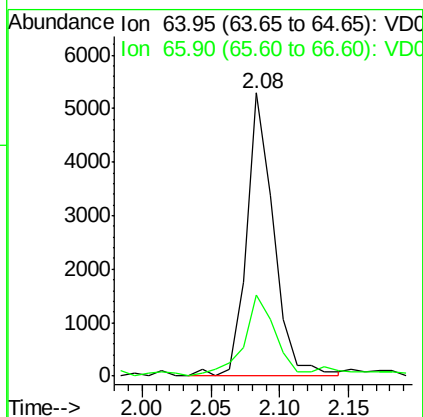
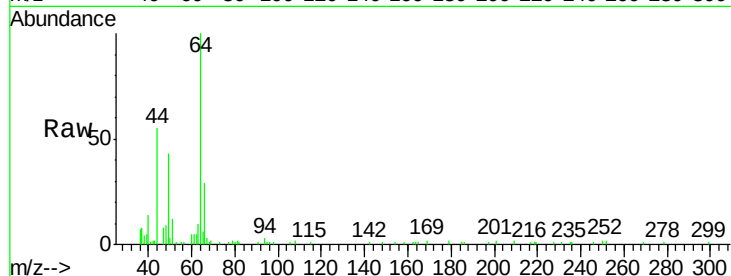
66 28.9 26.6 39.8

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 11.20 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD046795.D

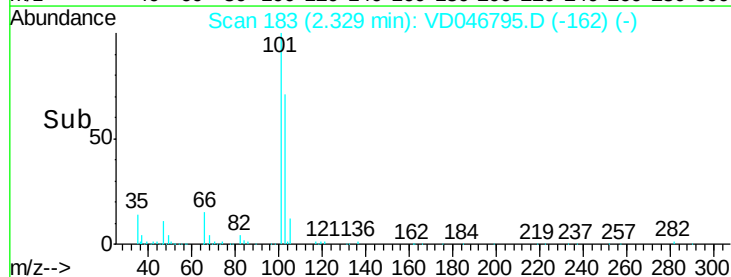
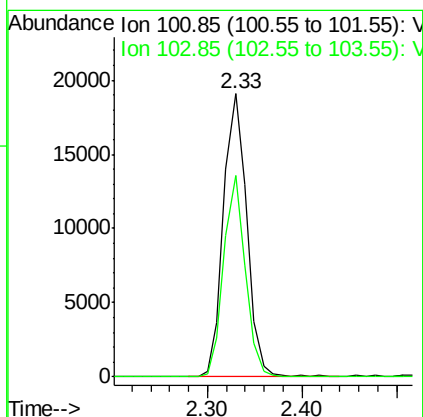
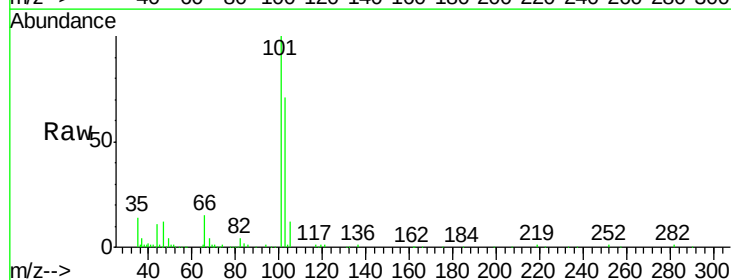
Acq: 18 Sep 2015 21:34

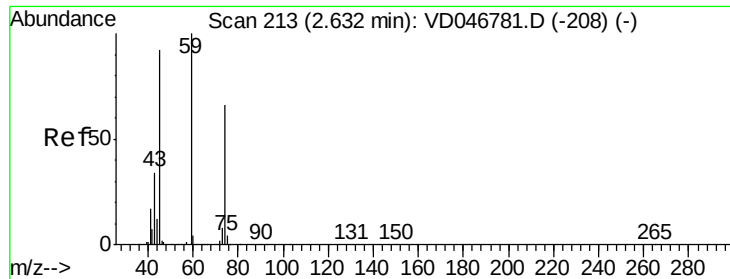
Tgt Ion: 101 Resp: 32601

Ion Ratio Lower Upper

101 100

103 71.2 53.2 79.8





#9

Diethyl Ether

Concen: 11.05 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion: 74 Resp: 5702

Ion Ratio Lower Upper

74 100

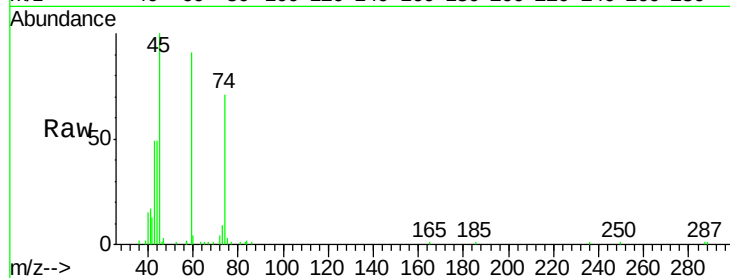
45 140.6 76.2 228.6

Manual Integrations

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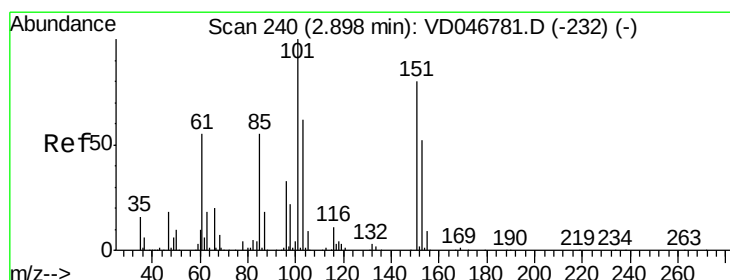
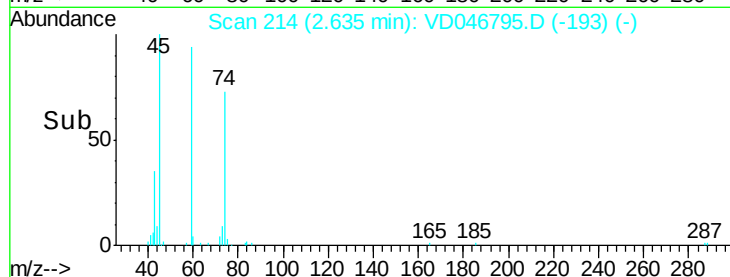
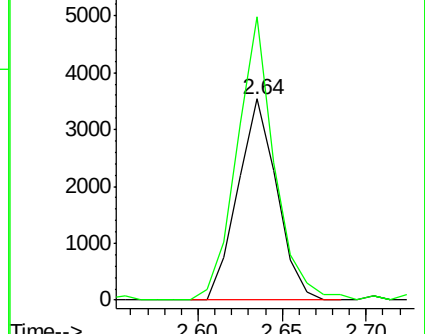
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Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 11.02 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

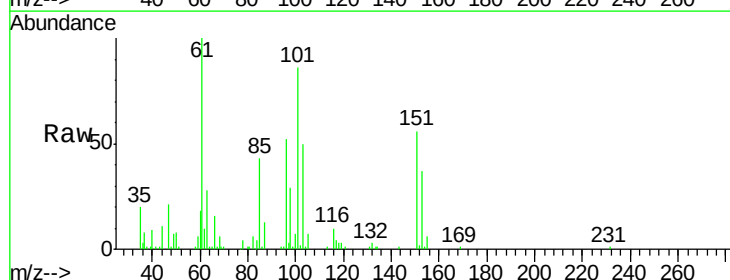
Tgt Ion: 101 Resp: 20057

Ion Ratio Lower Upper

101 100

85 49.3 42.0 63.0

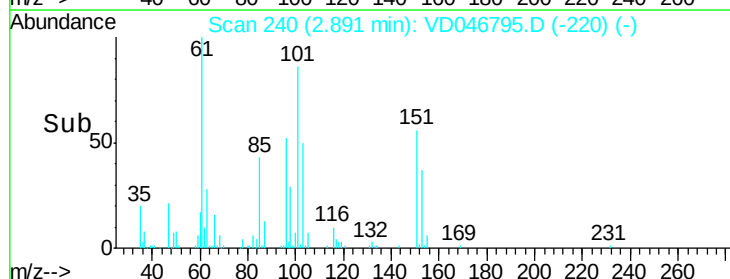
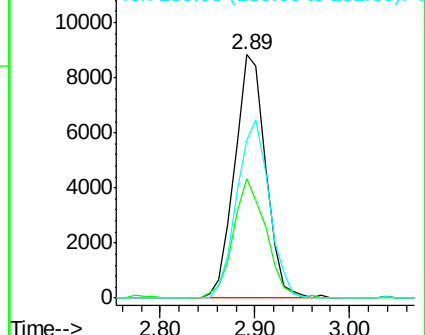
151 64.8 65.2 97.8#

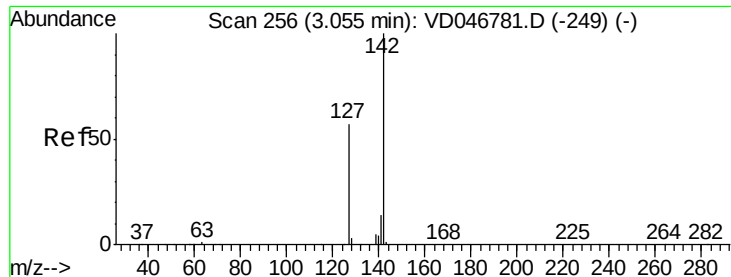


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





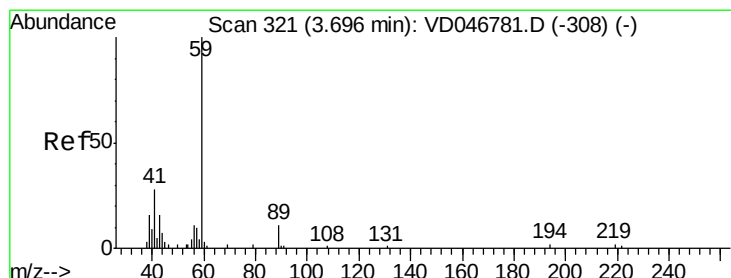
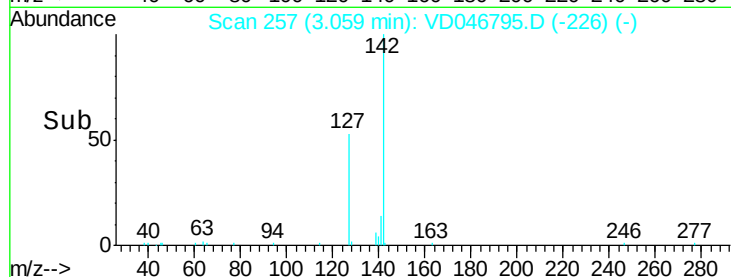
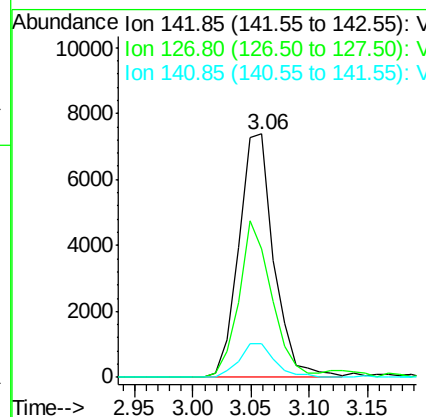
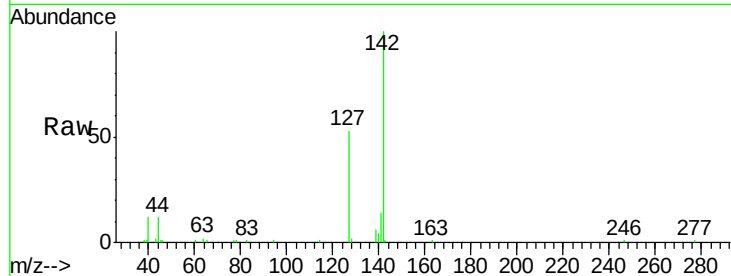
#11
Methyl Iodide
Concen: 8.72 ug/l
RT: 3.06 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	15392		
127	52.7	41.2	61.8	
141	13.8	11.6	17.4	

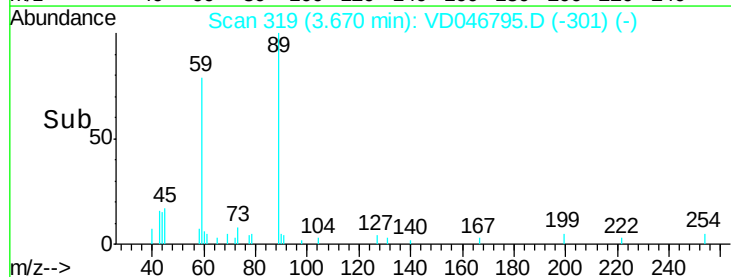
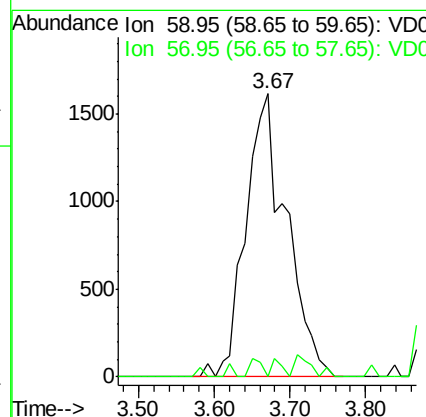
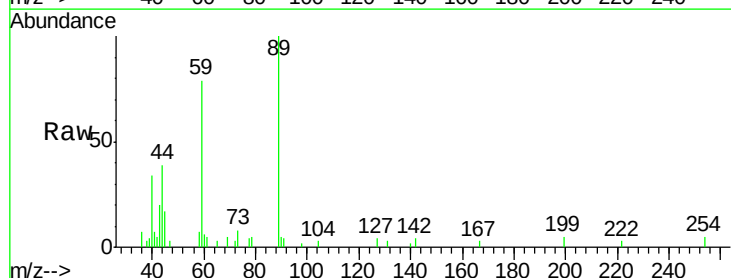
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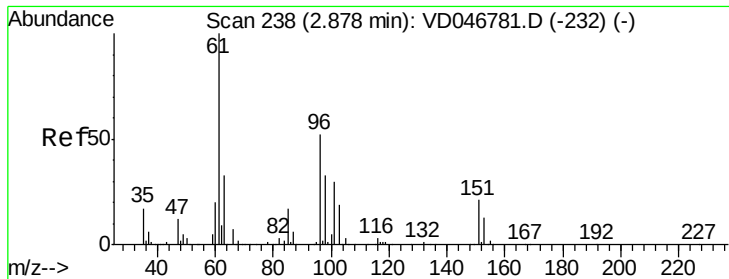
MMDadoda
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#12
Tert butyl alcohol
Concen: 47.48 ug/l
RT: 3.67 min Scan# 319
Delta R.T. -0.03 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	6000		
57	0.0	7.8	11.6	





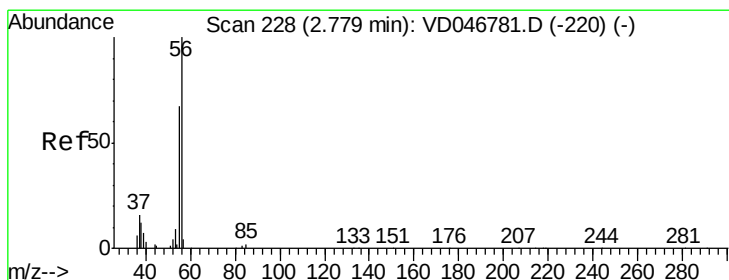
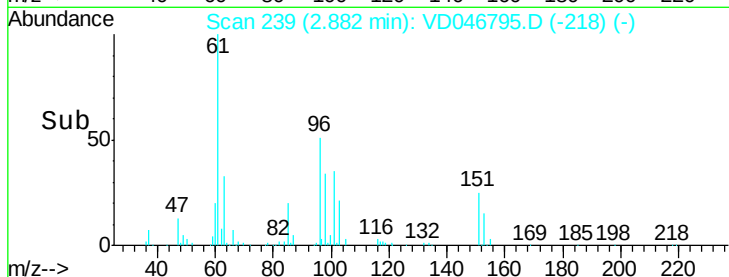
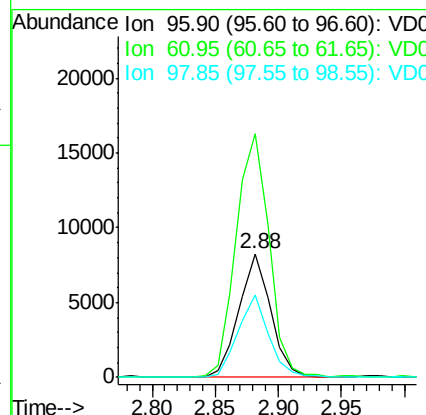
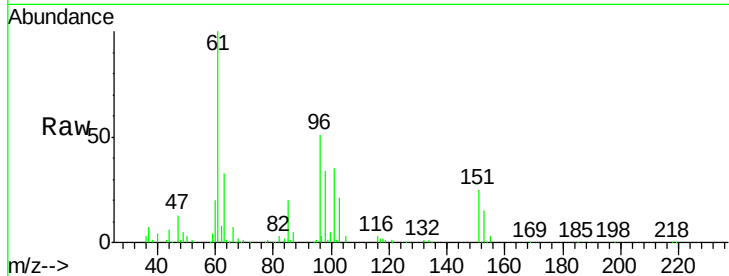
#13
 1,1-Dichloroethene
 Concen: 10.09 ug/l
 RT: 2.88 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.6	152.2	228.4
98	66.2	51.2	76.8

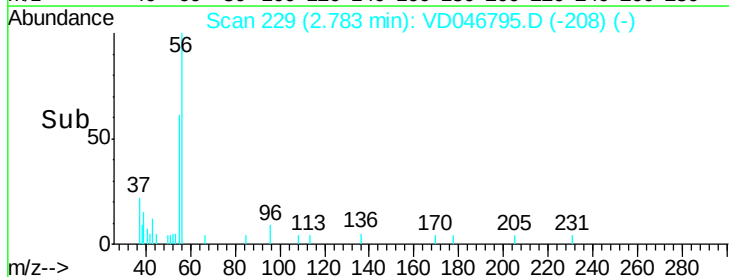
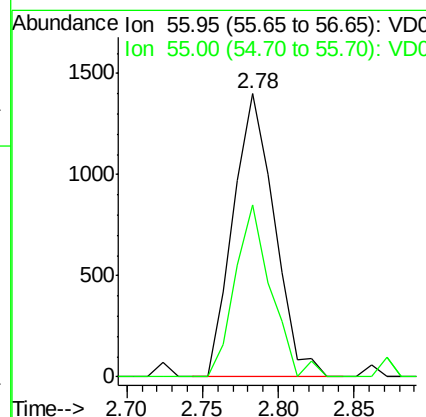
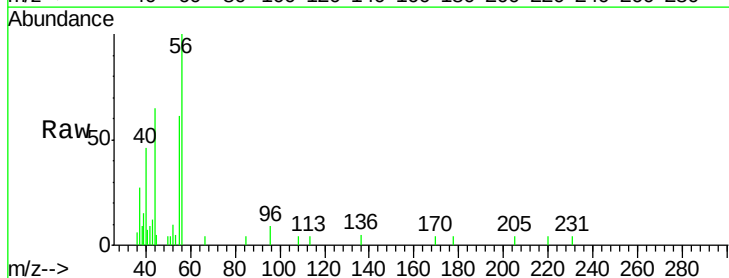
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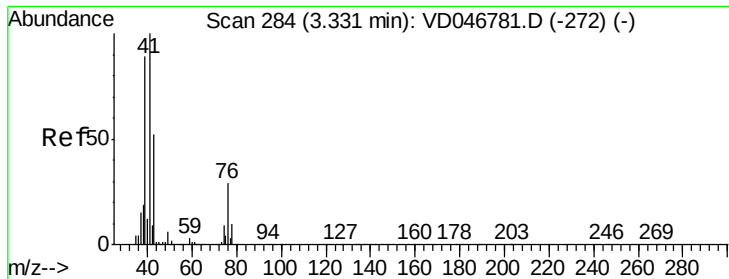
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#14
 Acrolein
 Concen: 28.10 ug/l
 RT: 2.78 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
56	100		
55	60.8	62.6	93.8#





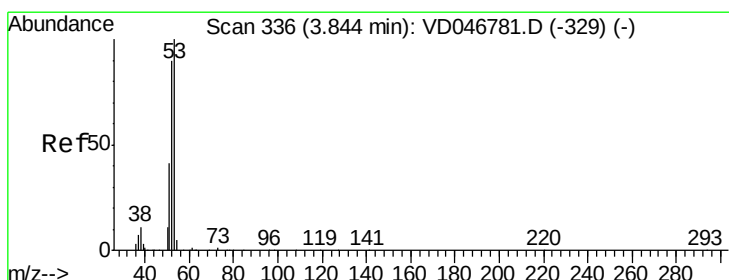
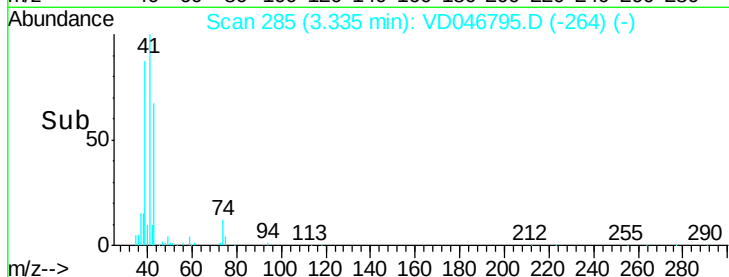
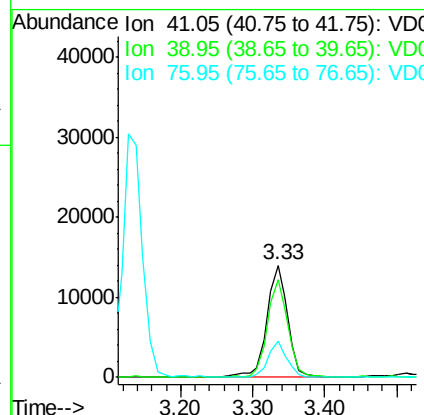
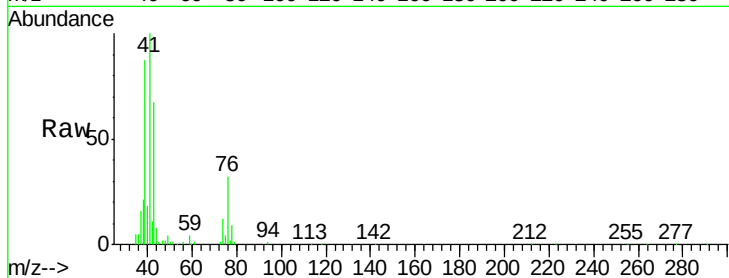
#15
 Allyl chloride
 Concen: 9.84 ug/l
 RT: 3.33 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	87.4	58.8	88.2
76	32.3	22.7	34.1

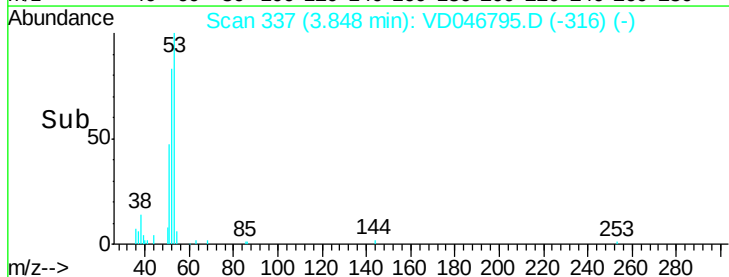
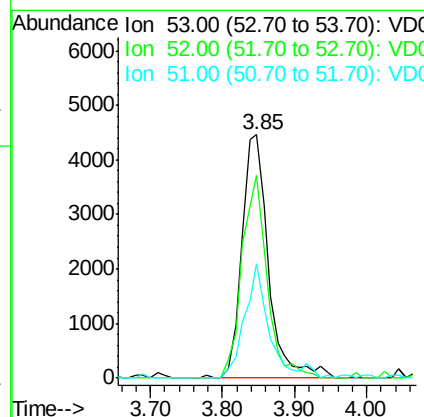
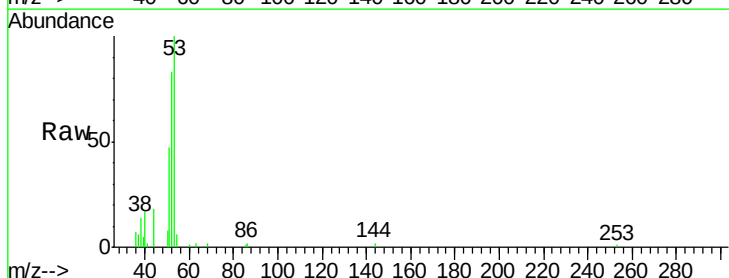
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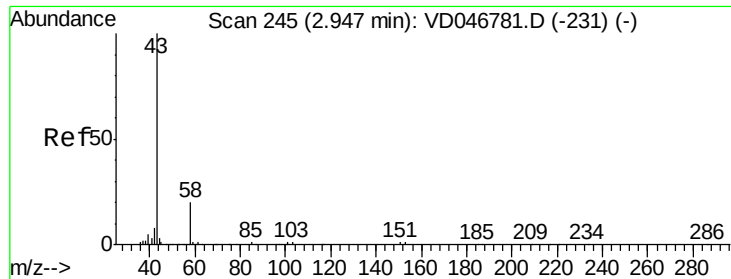
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#16
 Acrylonitrile
 Concen: 53.36 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.8	100.2
51	47.0	31.2	46.8#





#17

Acetone

Concen: 51.33 ug/l

RT: 2.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion: 43 Resp: 16021

Ion Ratio Lower Upper

43 100

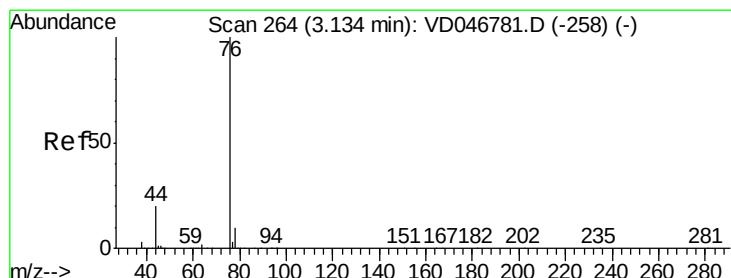
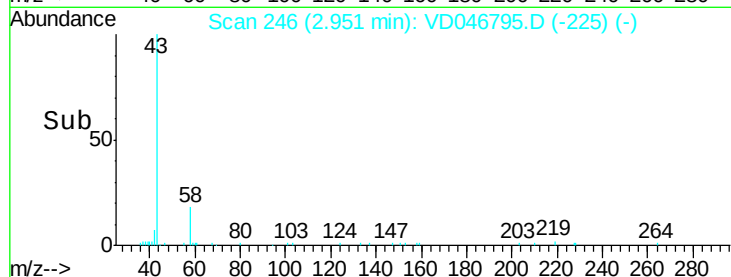
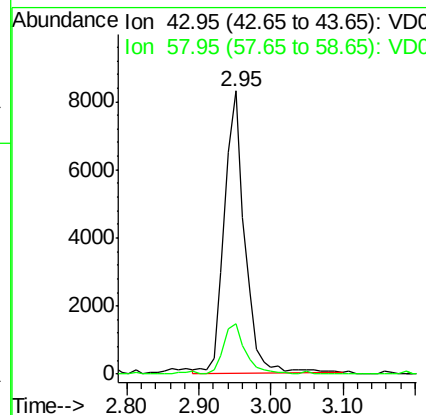
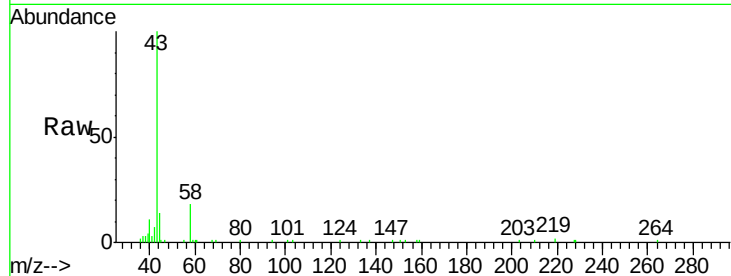
58 17.9 16.6 24.8

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#18

Carbon Disulfide

Concen: 10.78 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.01 min

Lab File: VD046795.D

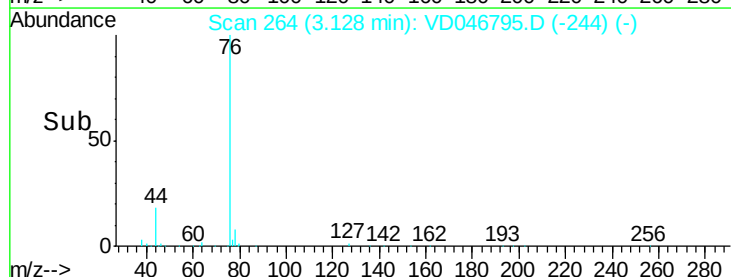
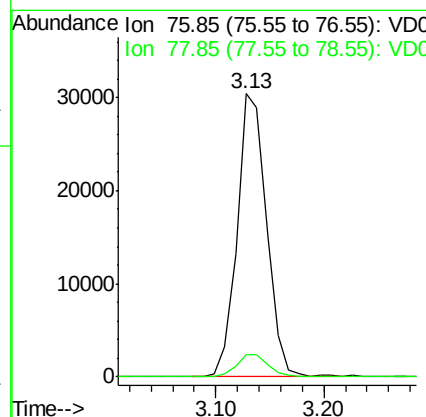
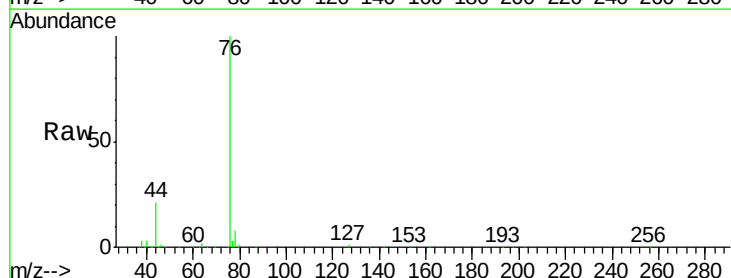
Acq: 18 Sep 2015 21:34

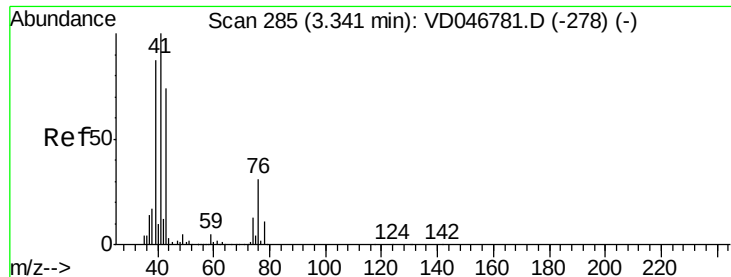
Tgt Ion: 76 Resp: 57470

Ion Ratio Lower Upper

76 100

78 7.7 8.0 12.0#





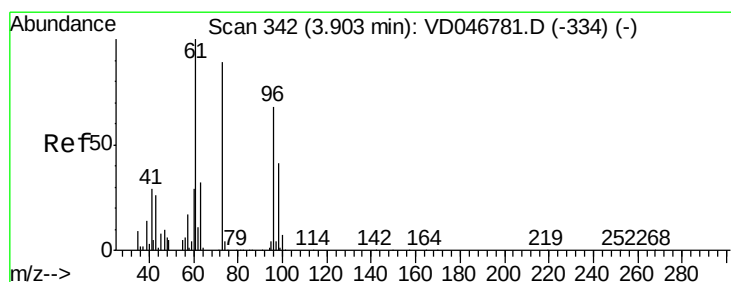
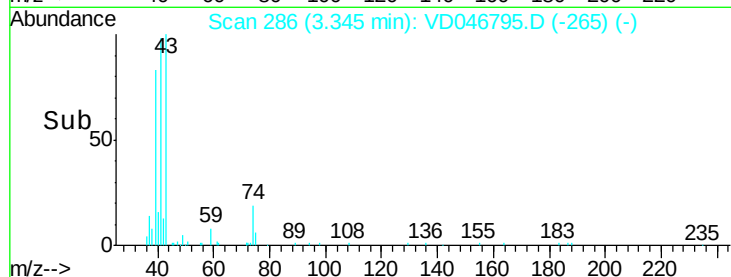
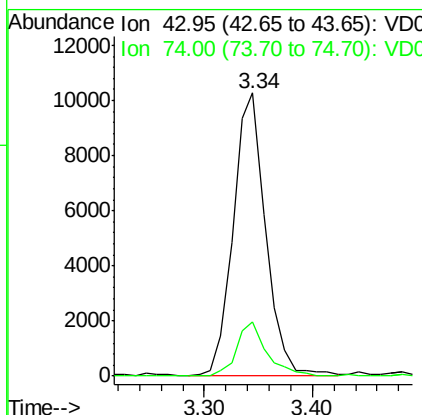
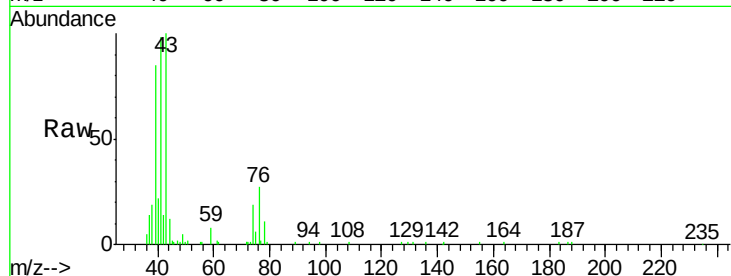
#19
Methyl Acetate
Concen: 11.88 ug/l
RT: 3.34 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 43 Resp: 21487
Ion Ratio Lower Upper
43 100
74 19.0 13.7 20.5

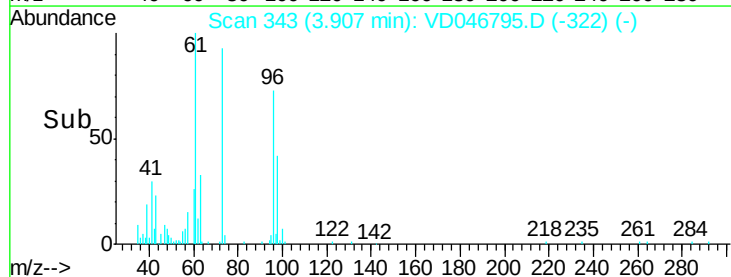
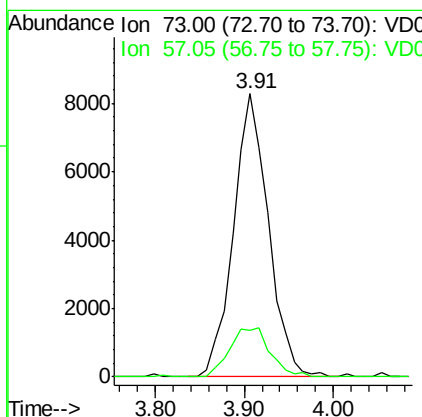
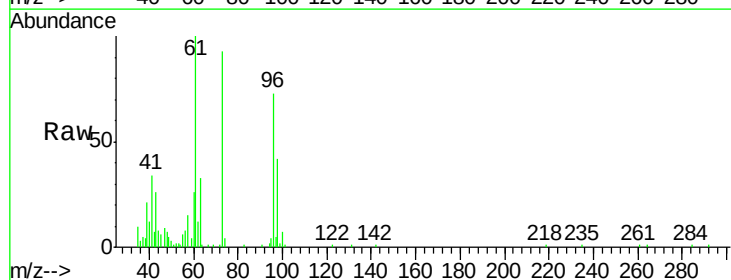
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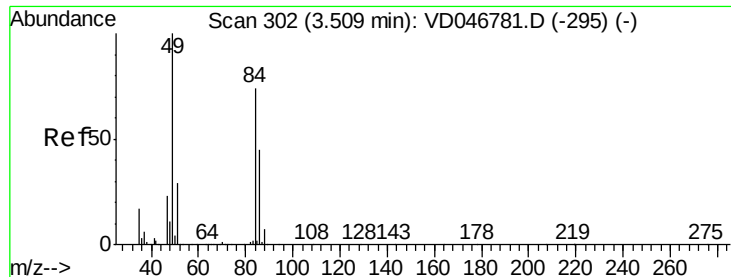
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#20
Methyl tert-butyl Ether
Concen: 10.11 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion: 73 Resp: 22555
Ion Ratio Lower Upper
73 100
57 16.5 18.1 27.1#





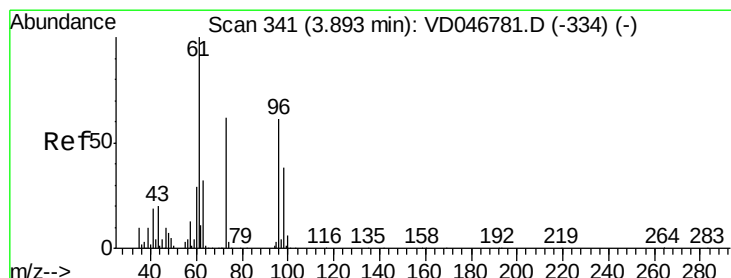
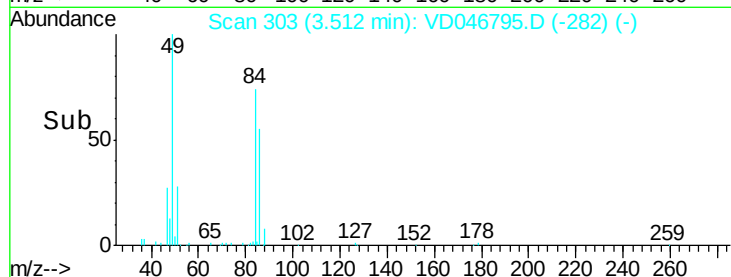
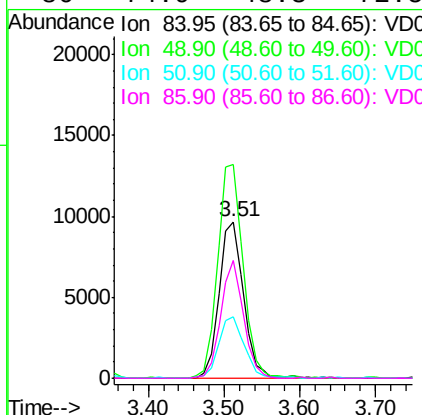
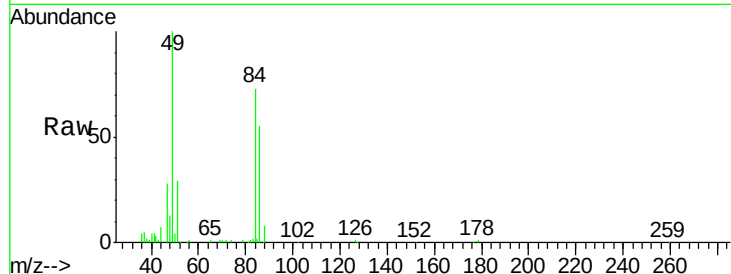
#21
Methylene Chloride
Concen: 12.87 ug/l
RT: 3.51 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	122.1	183.1
51	39.2	33.6	50.4
86	74.9	48.3	72.5#

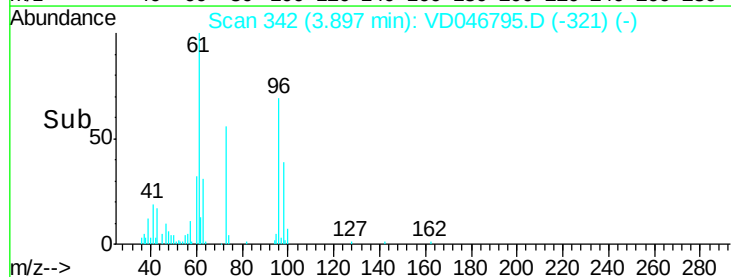
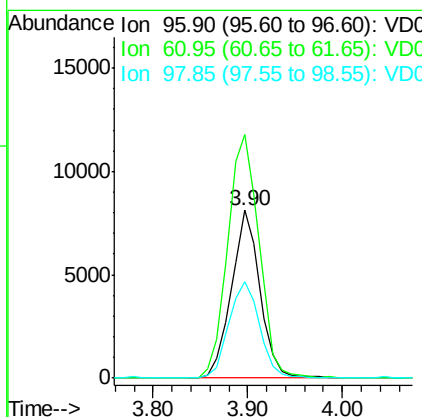
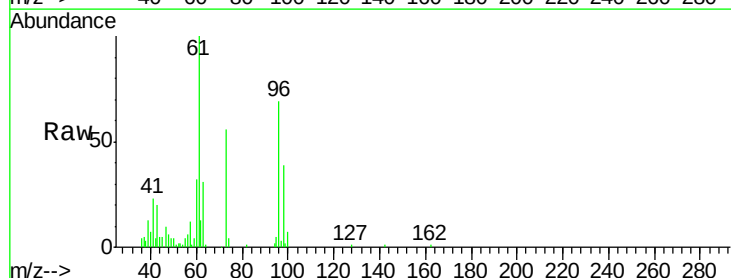
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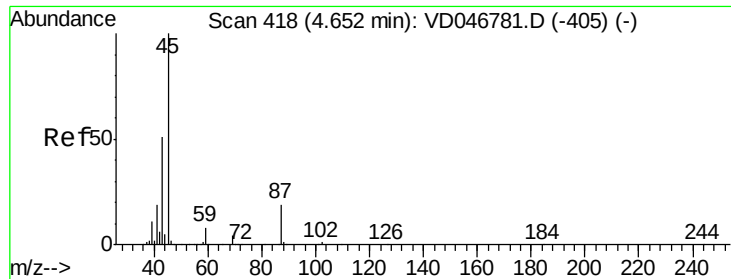
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#22
trans-1,2-Dichloroethene
Concen: 10.58 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.0	125.8	188.6
98	57.2	54.5	81.7





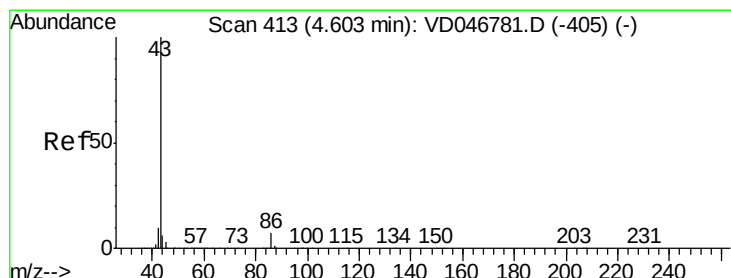
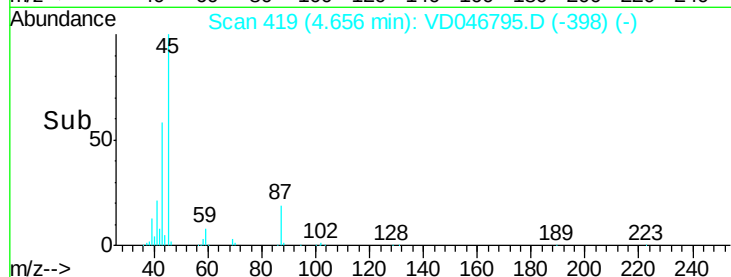
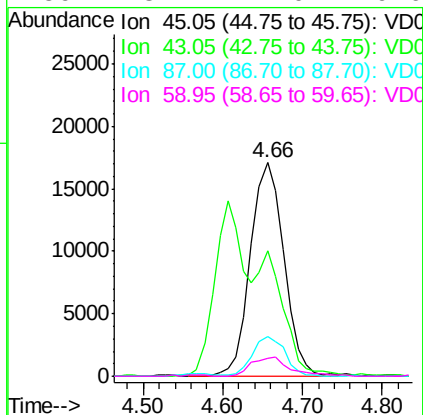
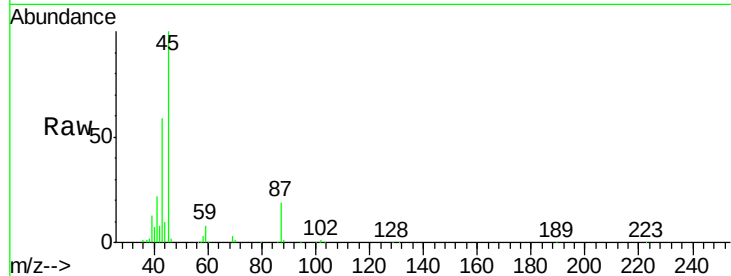
#23
Diisopropyl ether
Concen: 10.40 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	35.9	53.9#
87	18.6	13.0	19.6
59	8.2	7.0	10.6

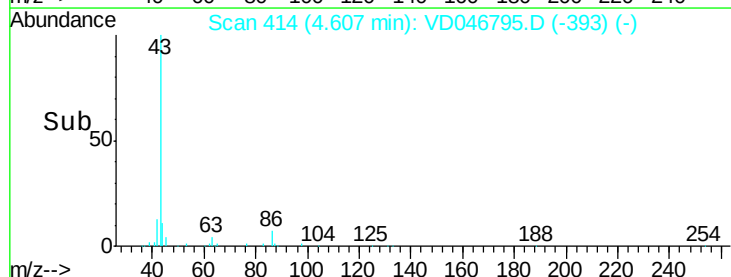
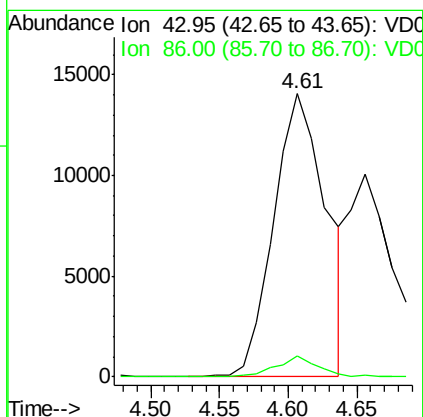
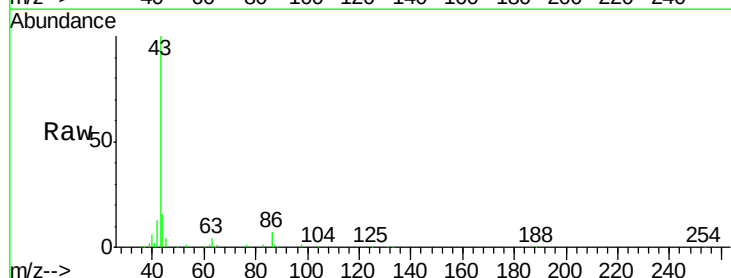
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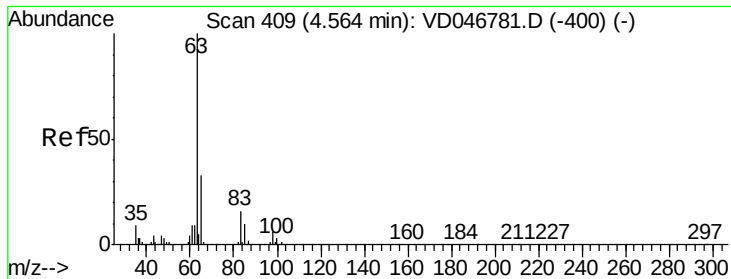
MMDadoda
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#24
Vinyl Acetate
Concen: 46.15 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.4	4.9	7.3#





#25

1,1-Dichloroethane

Concen: 10.95 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

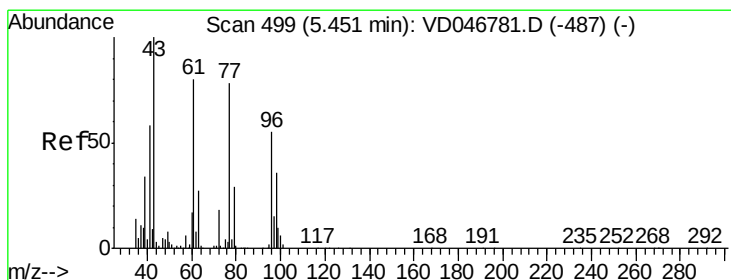
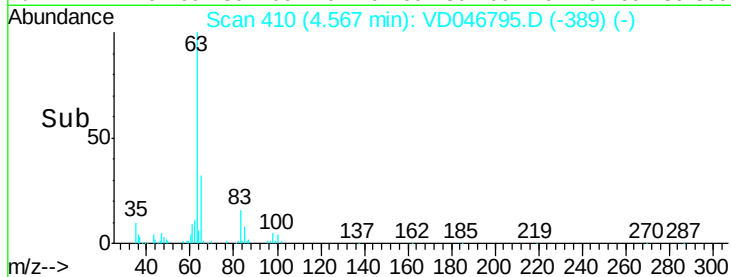
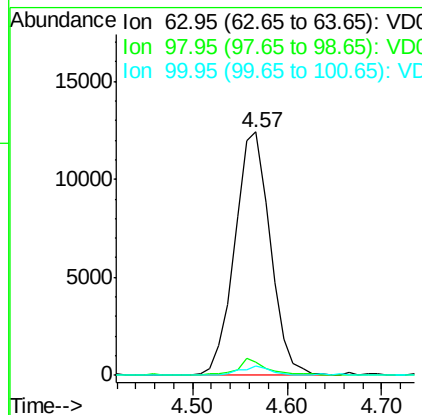
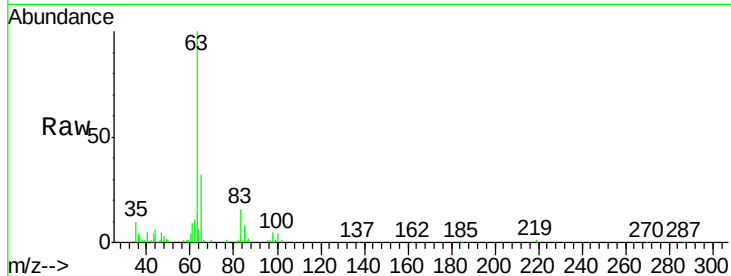
ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	63	Resp:	32367
Ion Ratio	Lower	Upper	
63	100		
98	5.4	2.5	7.5
100	3.9	1.5	4.5

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#26

2-Butanone

Concen: 52.11 ug/l

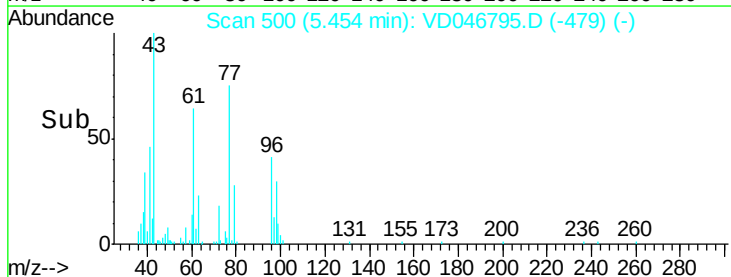
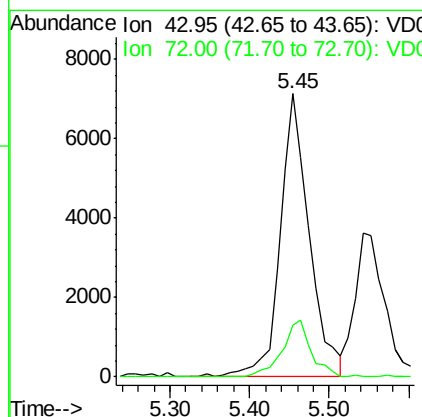
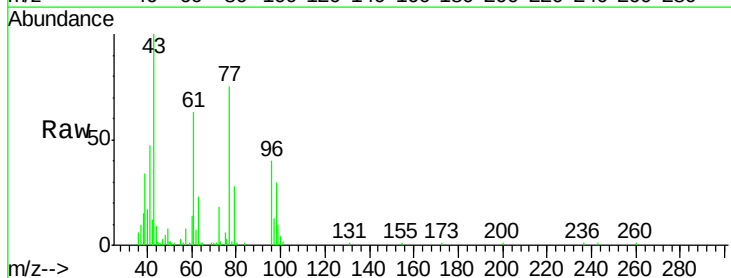
RT: 5.45 min Scan# 500

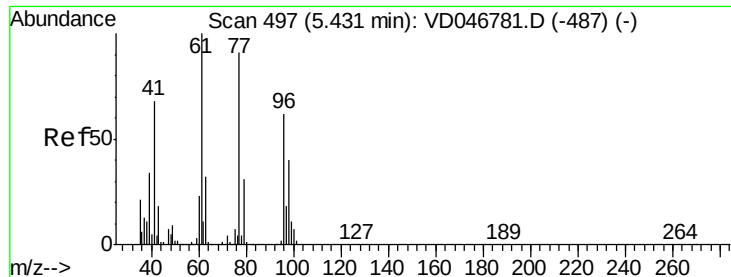
Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Tgt Ion:	43	Resp:	18280
Ion Ratio	Lower	Upper	
43	100		
72	18.1	13.4	20.0





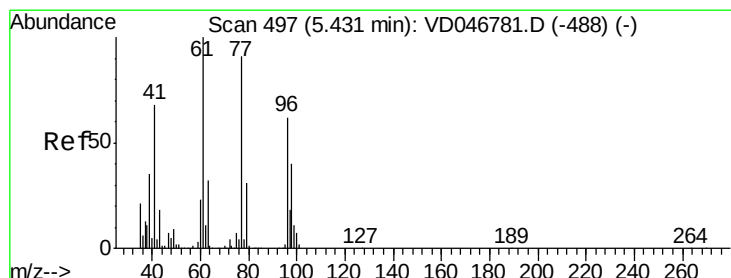
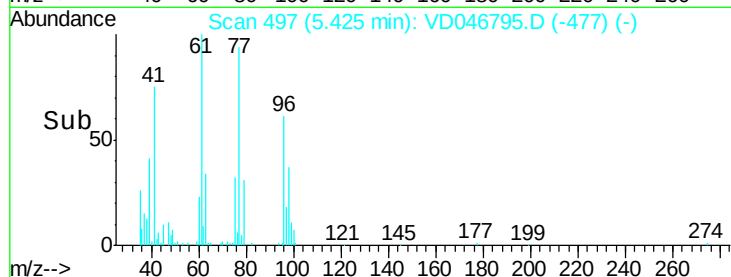
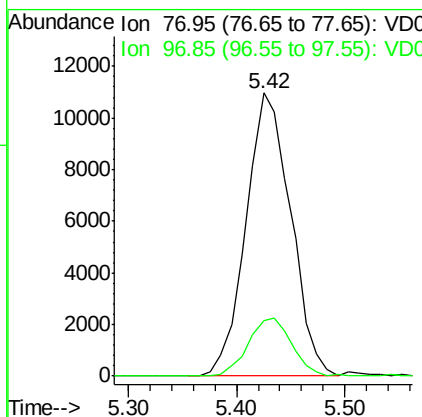
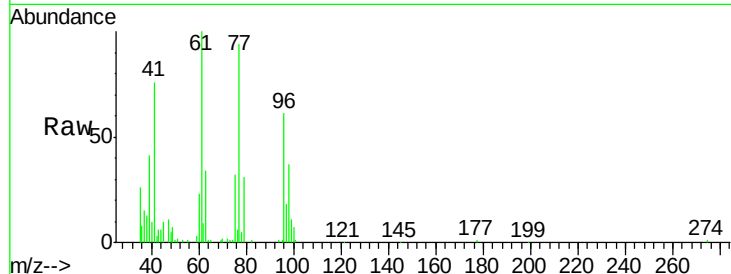
#27
 2,2-Dichloropropane
 Concen: 10.36 ug/l
 RT: 5.42 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion: 77 Resp: 31462
 Ion Ratio Lower Upper
 77 100
 97 19.4 10.4 31.1

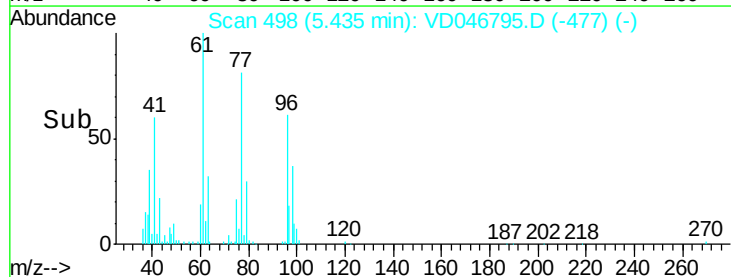
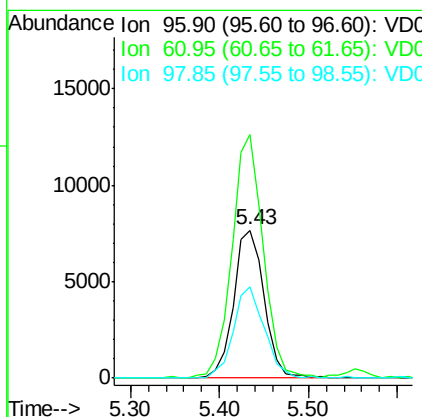
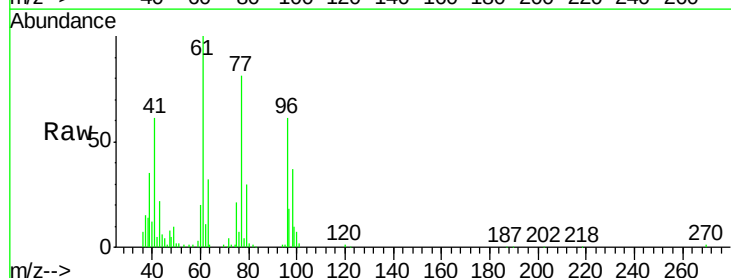
Manual Integrations
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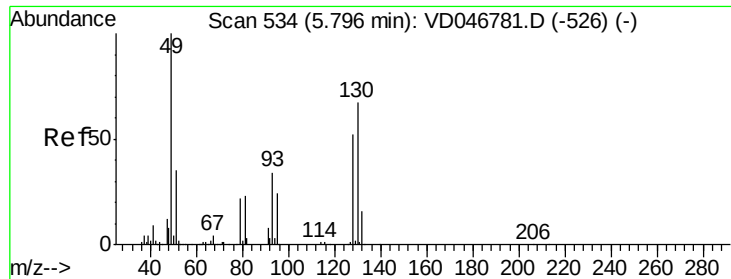
MMDadoda
 9/21/2015 11:39:29 AM



#28
 cis-1,2-Dichloroethene
 Concen: 10.97 ug/l
 RT: 5.43 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Tgt Ion: 96 Resp: 18340
 Ion Ratio Lower Upper
 96 100
 61 164.4 0.0 348.0
 98 61.5 0.0 128.8





#29

Bromochloromethane

Concen: 11.38 ug/l

RT: 5.79 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

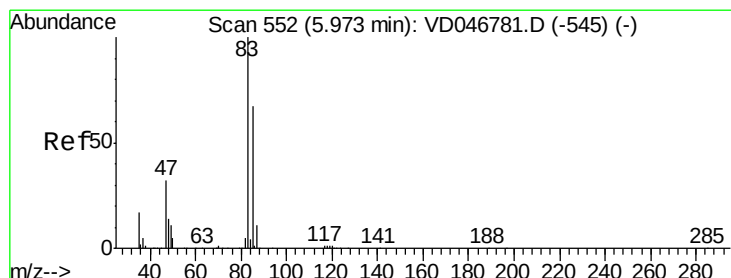
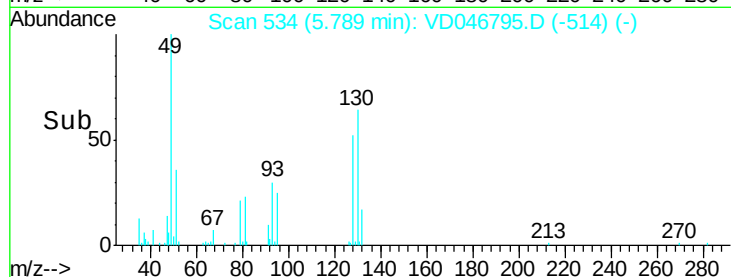
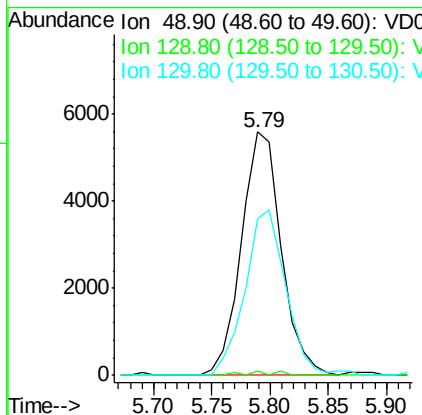
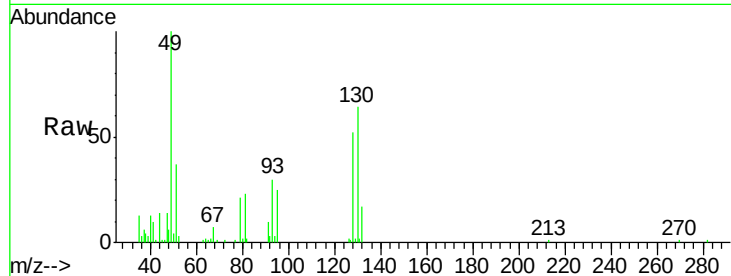
ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	49	Resp:	13253
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	2.8
130	64.4	50.2	75.4

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#30

Chloroform

Concen: 11.41 ug/l

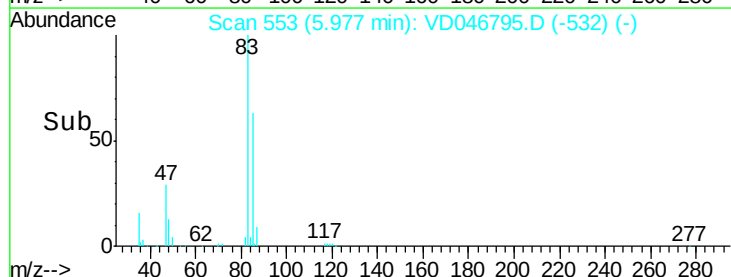
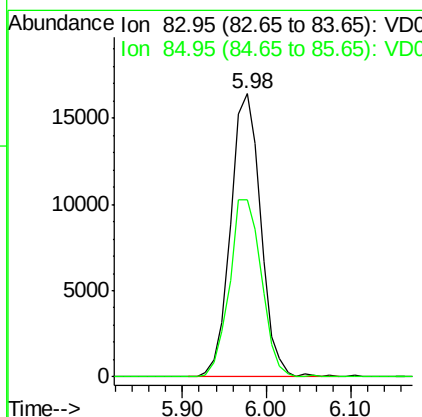
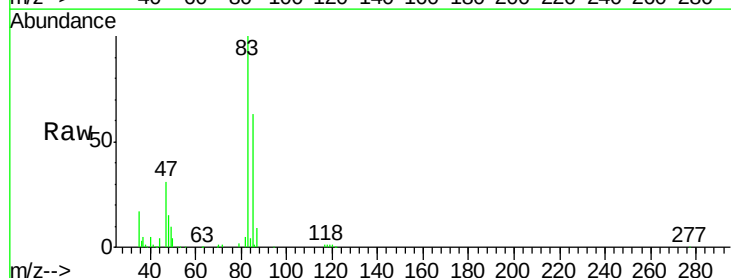
RT: 5.98 min Scan# 553

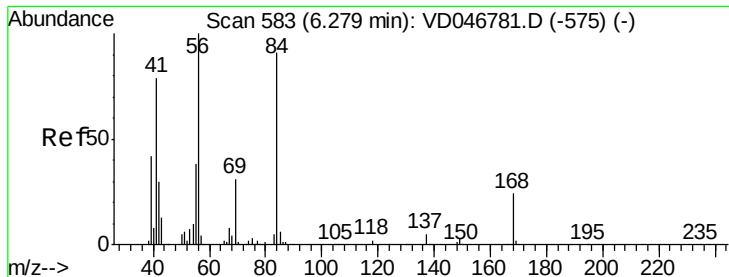
Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Tgt Ion:	83	Resp:	40890
Ion Ratio	Lower	Upper	
83	100		
85	62.8	52.5	78.7





#31

Cyclohexane

Concen: 10.41 ug/l

RT: 6.28 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

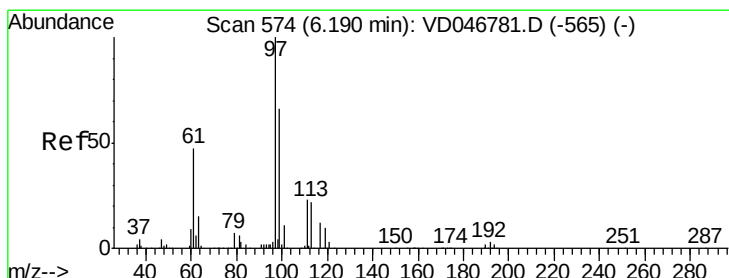
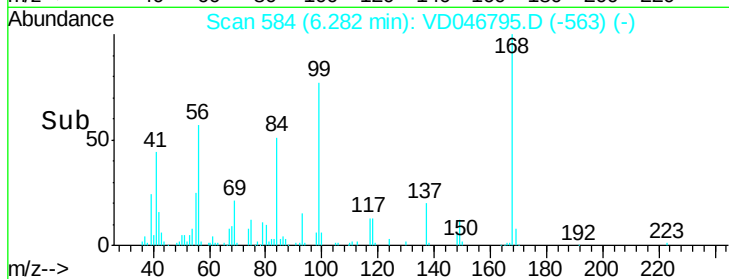
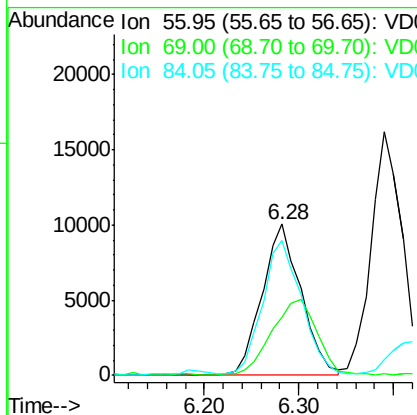
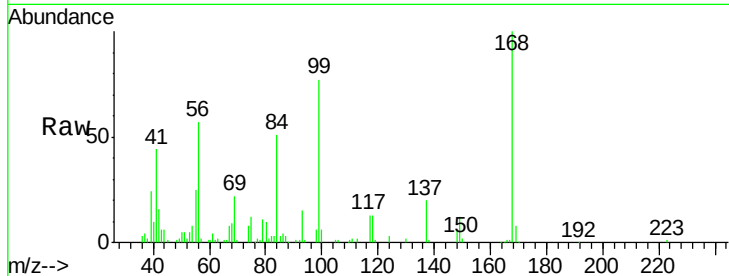
ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	56	Resp:	28879
Ion Ratio	Lower	Upper	
56	100		
69	38.1	23.4	35.0#
84	89.2	63.8	95.8

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#32

1,1,1-Trichloroethane

Concen: 11.02 ug/l

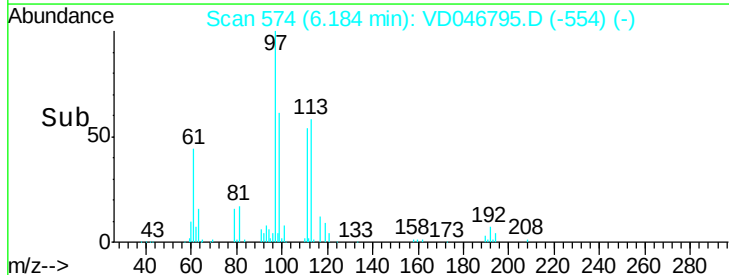
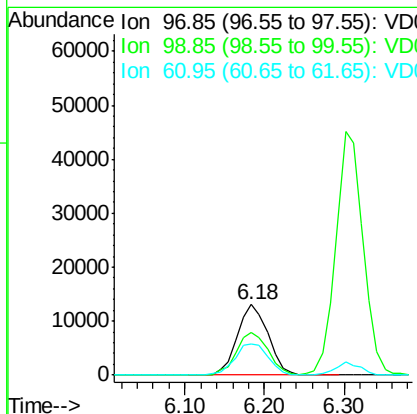
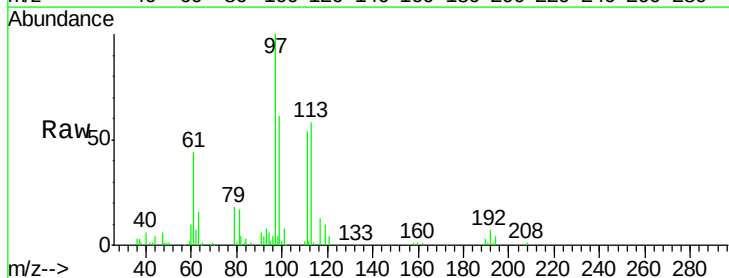
RT: 6.18 min Scan# 574

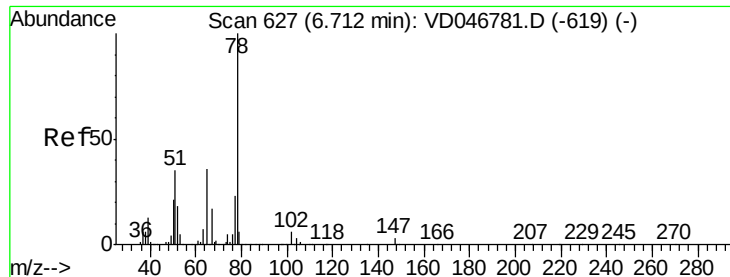
Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Tgt Ion:	97	Resp:	35175
Ion Ratio	Lower	Upper	
97	100		
99	60.7	50.2	75.4
61	44.0	38.6	57.8





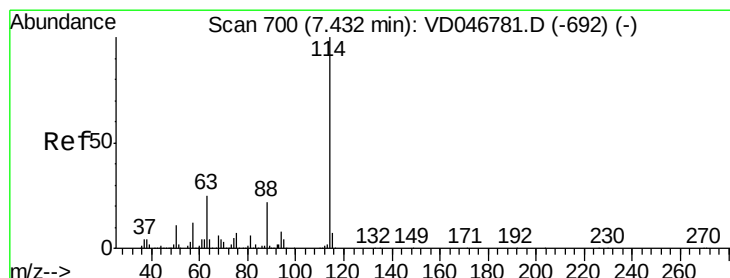
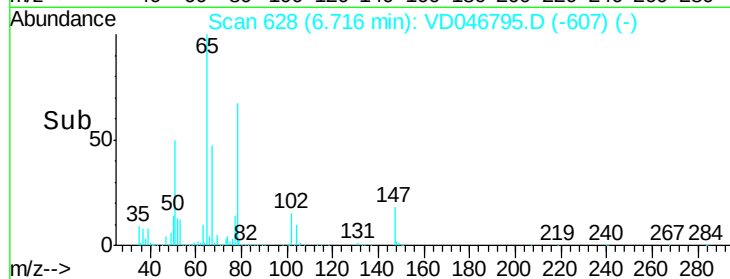
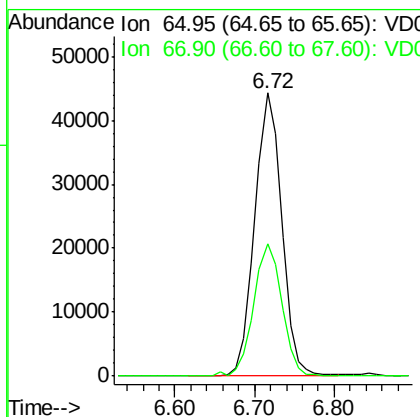
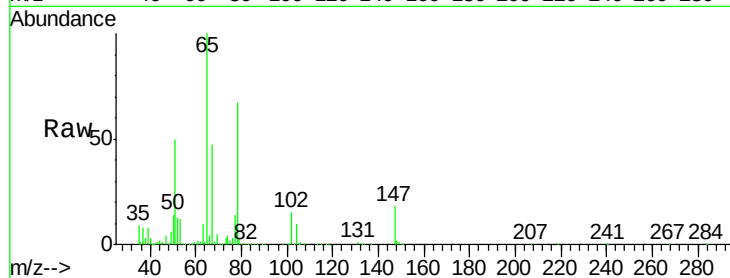
#33
 1,2-Dichloroethane-d4
 Concen: 11.02 ug/l
 RT: 6.72 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	103399		
67	47.0	0.0	105.4	

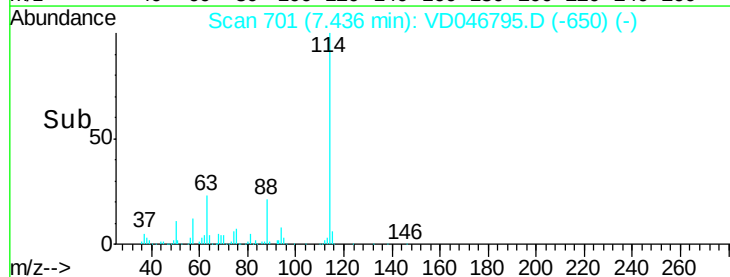
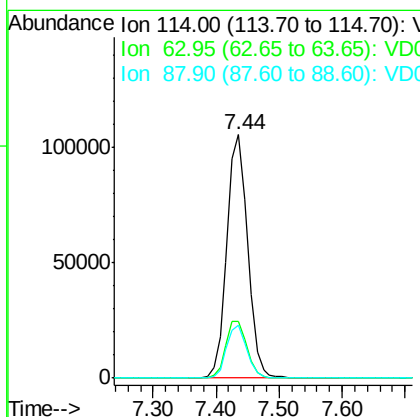
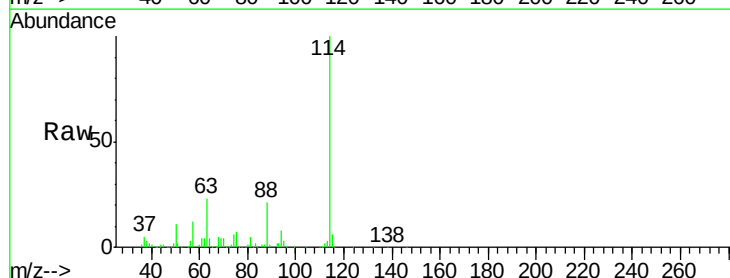
Manual Integrations
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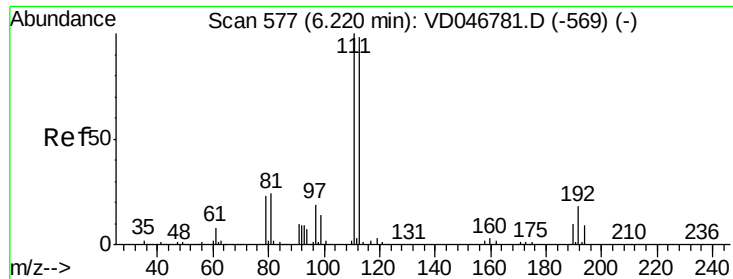
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	240072		
63	23.3	0.0	49.8	
88	21.5	0.0	43.6	





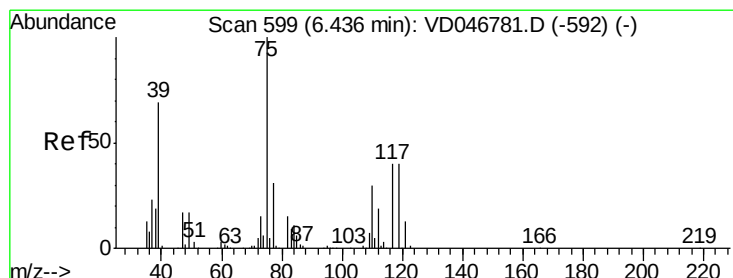
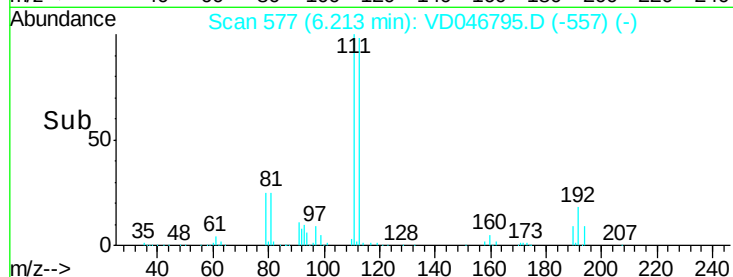
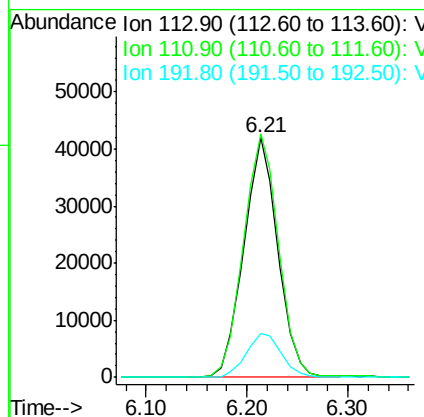
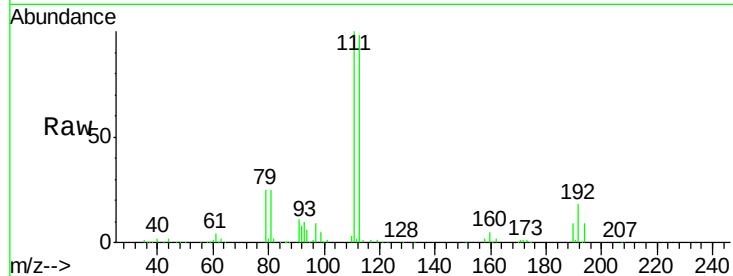
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.21 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	98921		
111	101.6	79.4	119.0	
192	18.4	14.6	22.0	

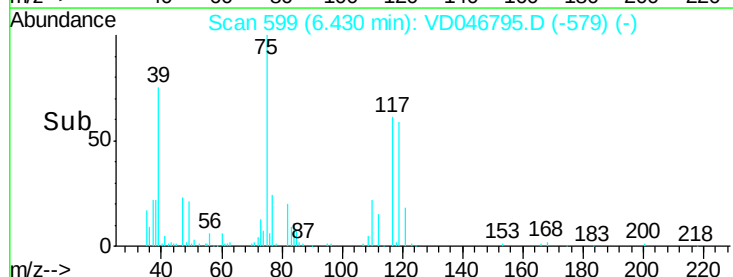
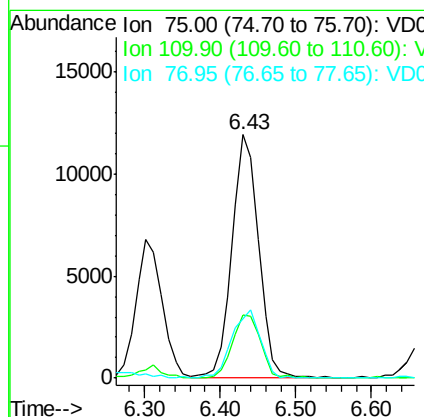
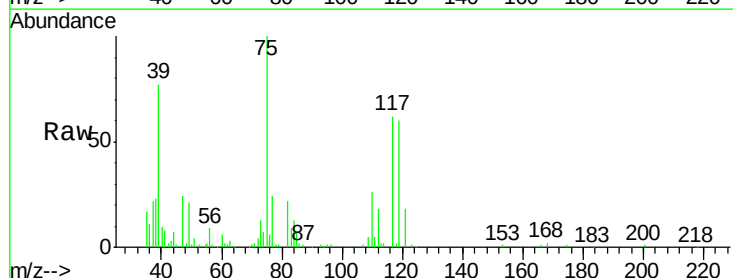
Manual Integrations
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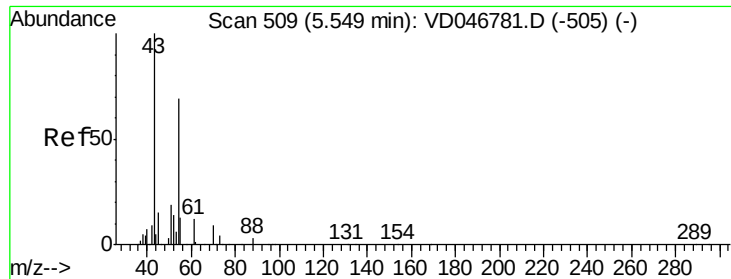
MMDadoda
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#36
1,1-Dichloropropene
Concen: 10.32 ug/l
RT: 6.43 min Scan# 599
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28952		
110	26.1	13.7	41.0	
77	24.3	24.7	37.1#	





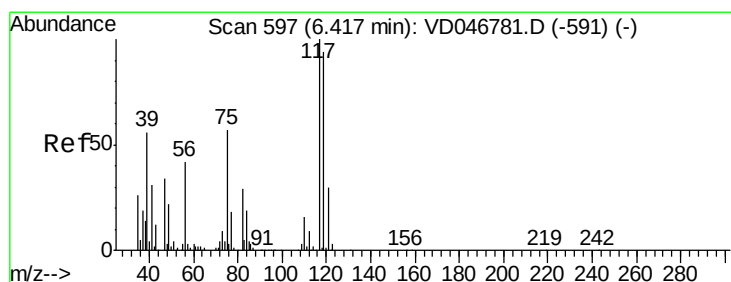
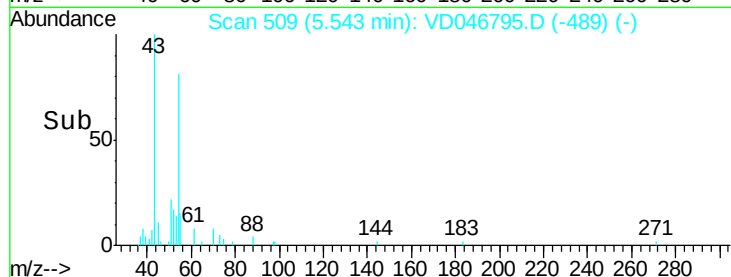
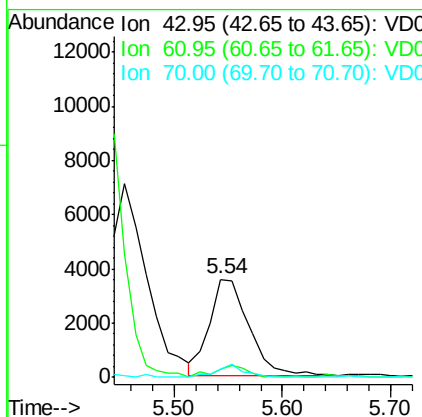
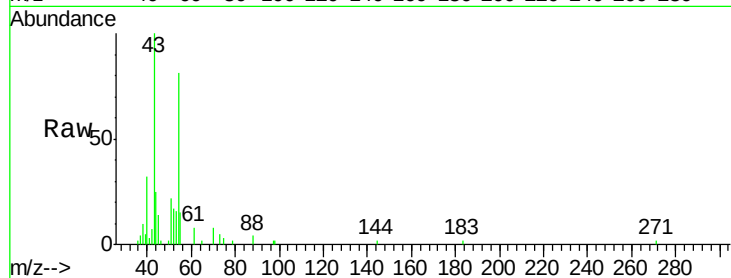
#37
Ethyl Acetate
Concen: 10.10 ug/l
RT: 5.54 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	9100		
61	8.0		9.4	14.2#
70	8.4		6.0	9.0

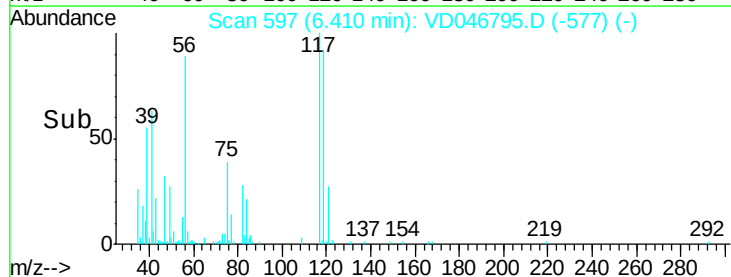
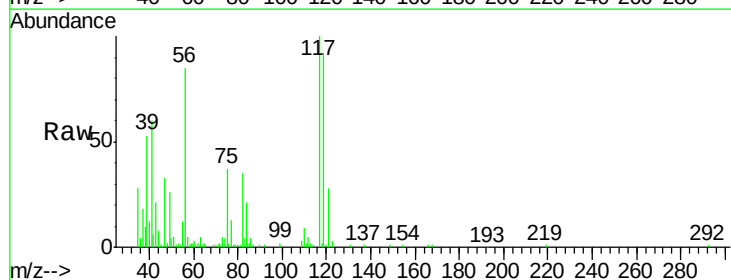
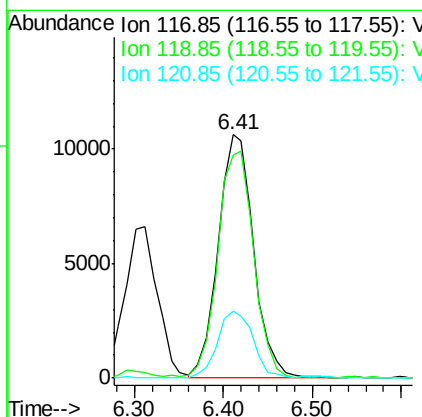
Manual Integrations
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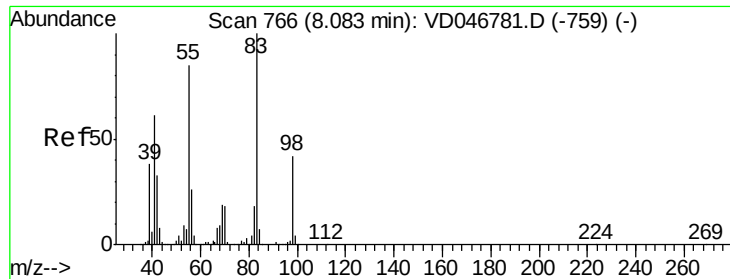
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#38
Carbon Tetrachloride
Concen: 10.16 ug/l
RT: 6.41 min Scan# 597
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	29627		
119	91.7		76.2	114.4
121	27.7		24.5	36.7





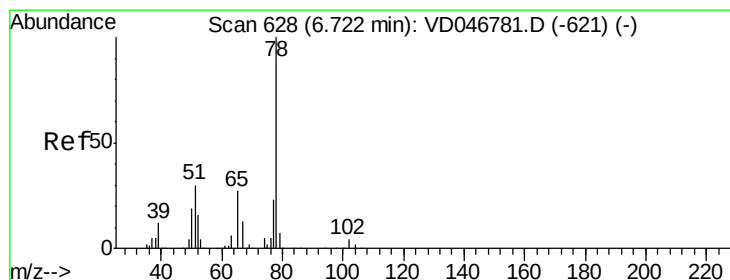
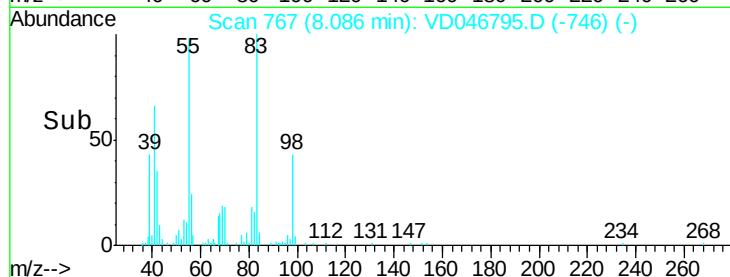
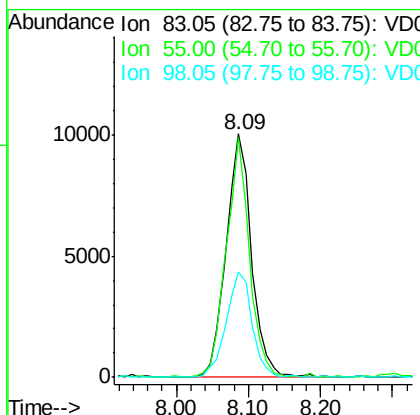
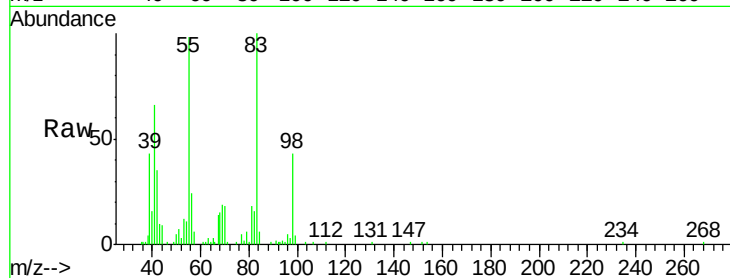
#39
Methylcyclohexane
Concen: 8.68 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	98.2	71.1	106.7
98	43.4	34.6	51.8

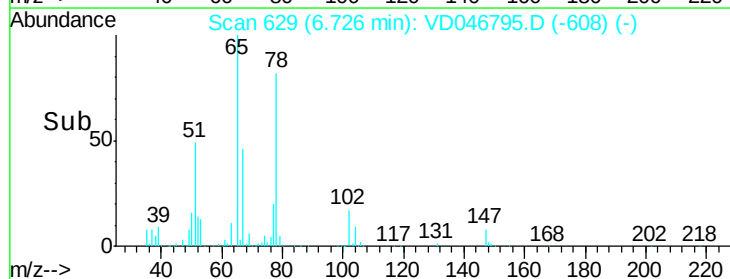
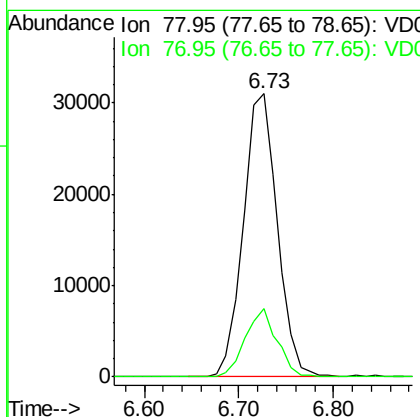
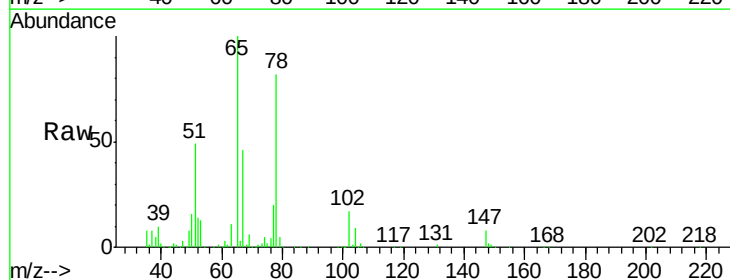
Manual Integrations
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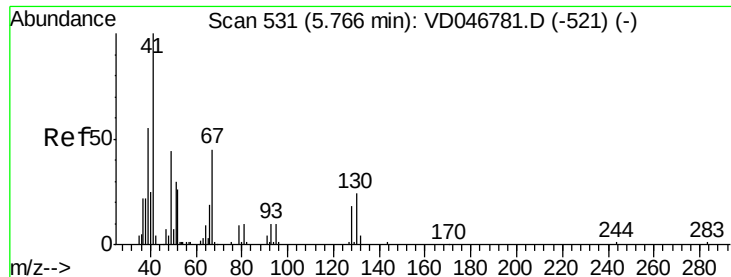
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#40
Benzene
Concen: 10.82 ug/l
RT: 6.73 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.9	29.9





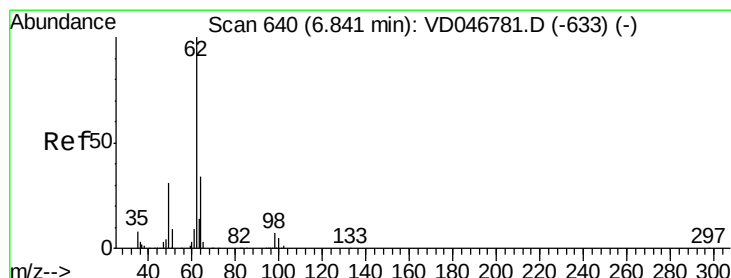
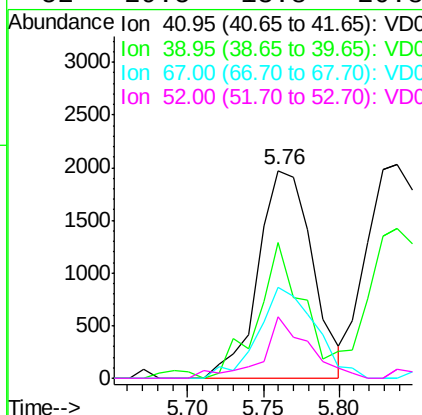
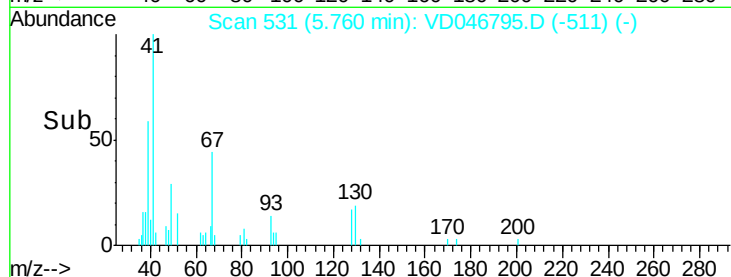
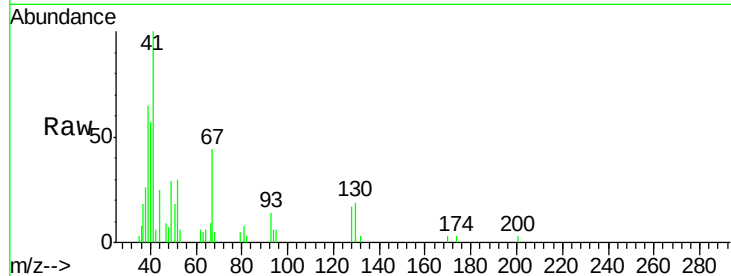
#41
Methacrylonitrile
Concen: 9.81 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	4959		
39	65.2		40.2	60.4#
67	43.9		32.0	48.0
52	29.5		13.8	20.8#

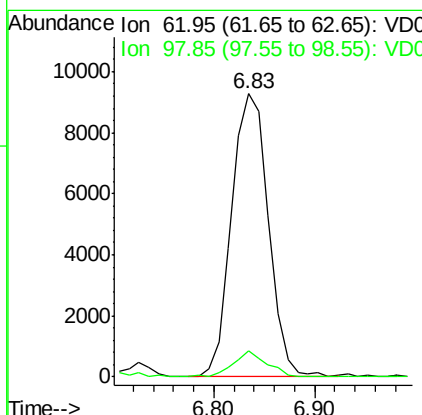
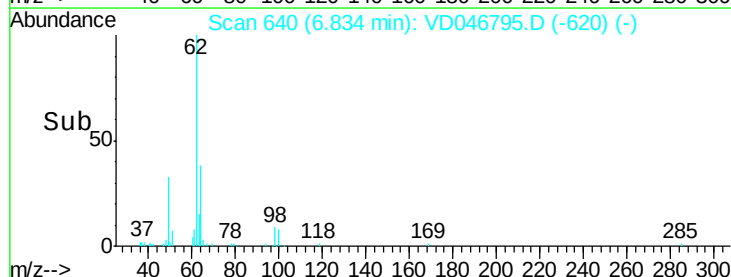
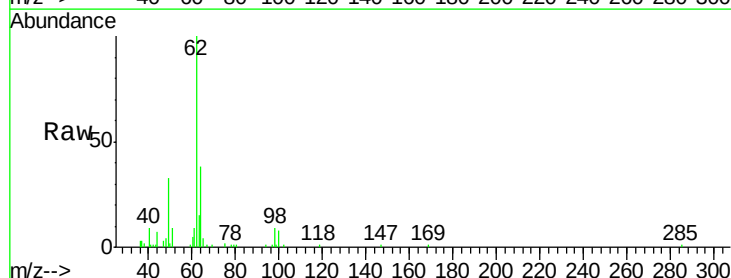
Manual Integrations
APPROVED

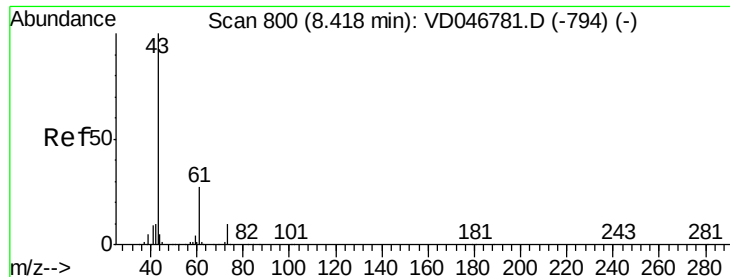
MMDadoda
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#42
1,2-Dichloroethane
Concen: 10.62 ug/l
RT: 6.83 min Scan# 640
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	23625		
98	9.3		0.0	16.2





#43

Isopropyl Acetate

Concen: 8.97 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

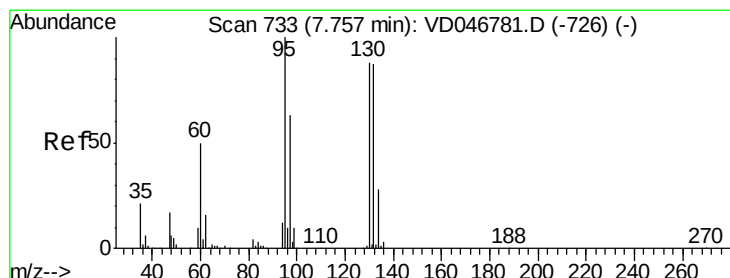
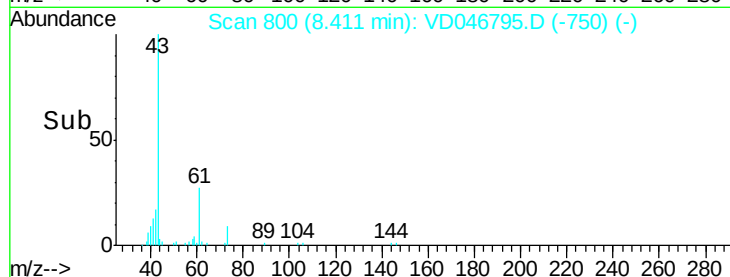
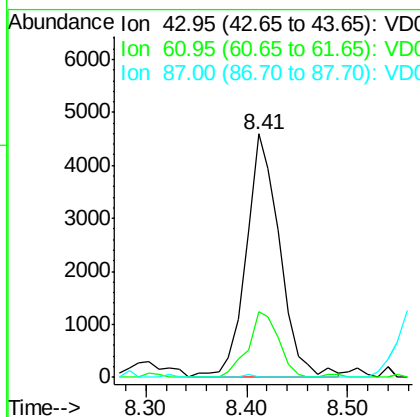
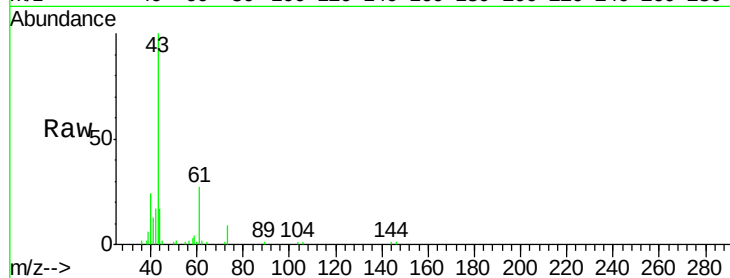
ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	43	Resp:	10653
Ion	Ratio	Lower	Upper
43	100		
61	27.1	19.5	29.3
87	0.0	0.2	0.2#

Manual Integrations
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#44

Trichloroethene

Concen: 10.11 ug/l

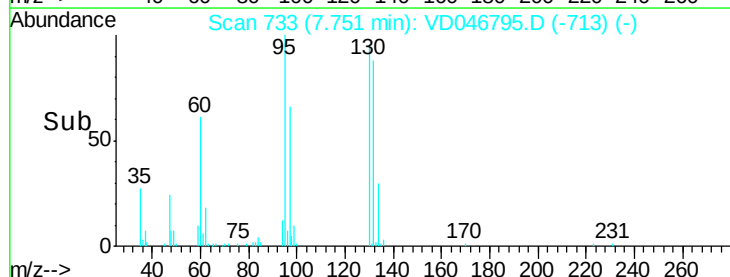
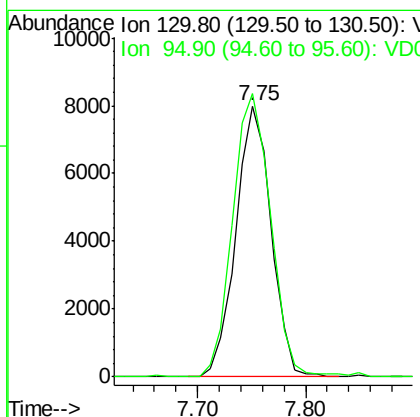
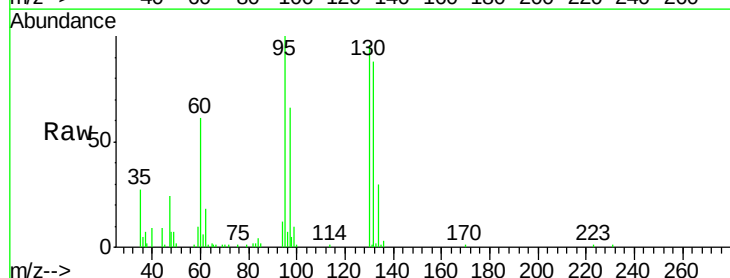
RT: 7.75 min Scan# 733

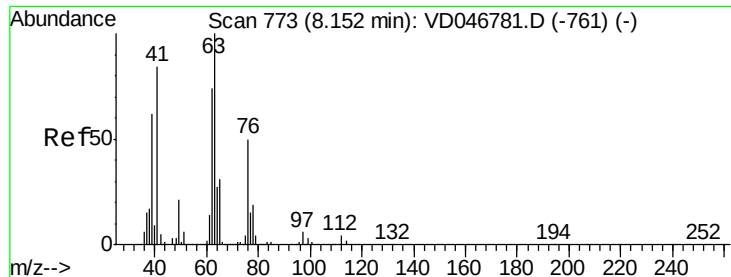
Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Tgt Ion:	130	Resp:	18122
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	229.4





#45

1,2-Dichloropropane

Concen: 10.72 ug/l

RT: 8.15 min Scan# 773

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion: 63 Resp: 19019

Ion Ratio Lower Upper

63 100

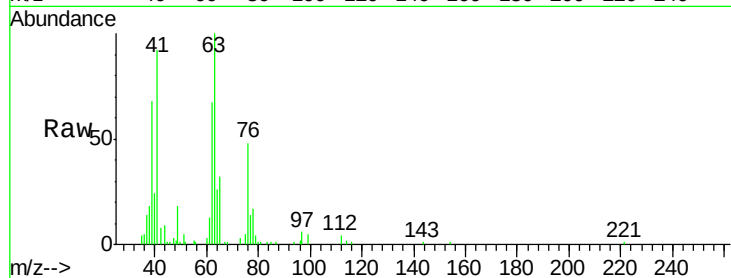
65 31.6 25.1 37.7

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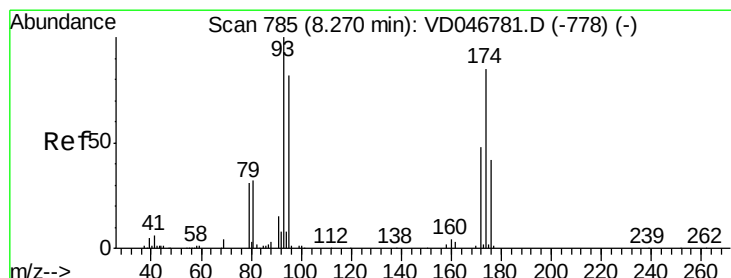
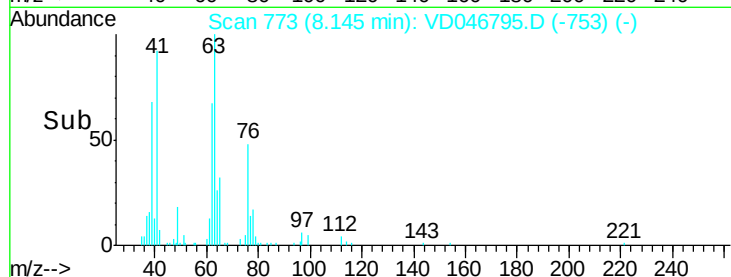
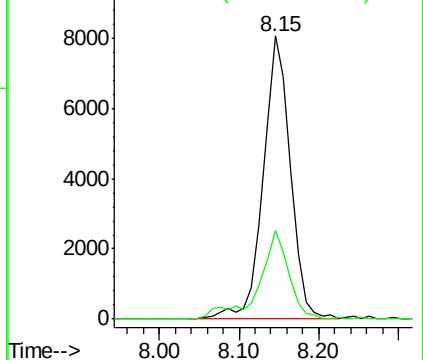
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 10.82 ug/l

RT: 8.27 min Scan# 786

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

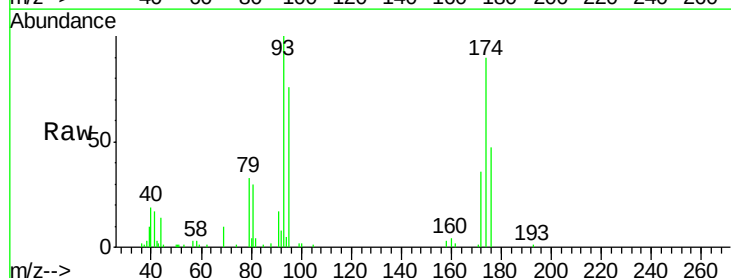
Tgt Ion: 93 Resp: 10904

Ion Ratio Lower Upper

93 100

95 75.6 70.2 105.2

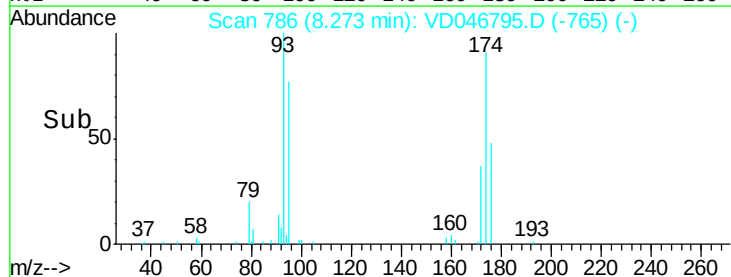
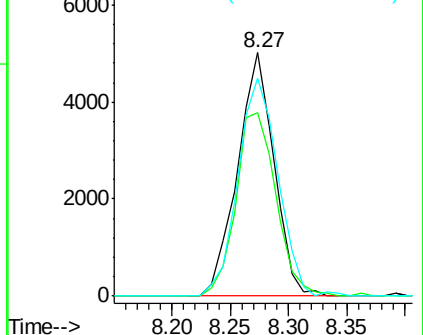
174 89.8 79.0 118.4

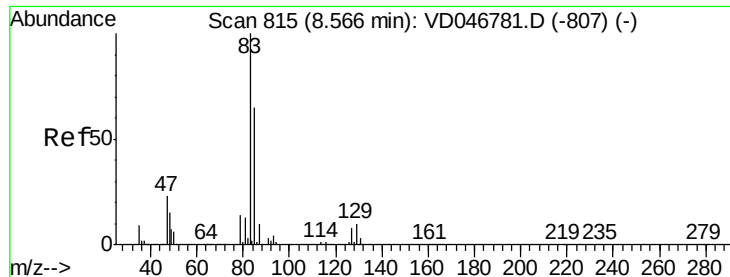


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 10.37 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

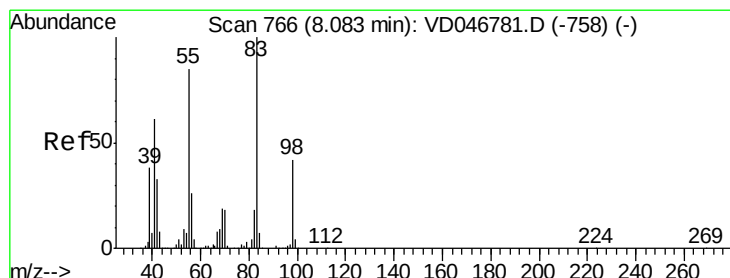
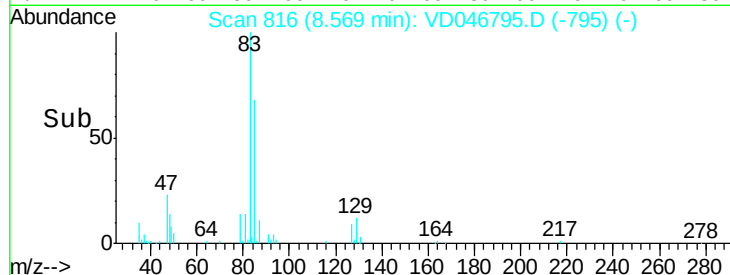
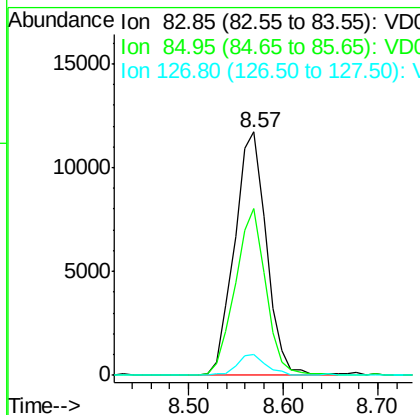
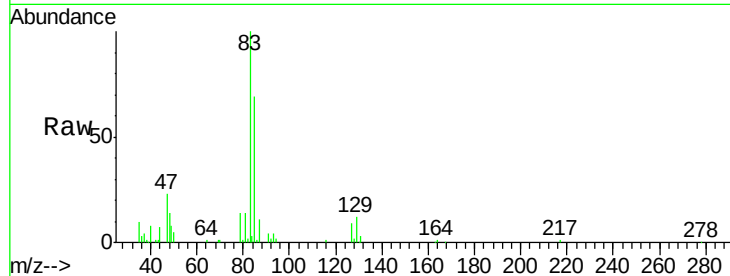
ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	83	Resp:	27409
Ion Ratio	Lower	Upper	
83	100		
85	68.7	52.6	78.8
127	8.6	5.7	8.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.22 ug/l

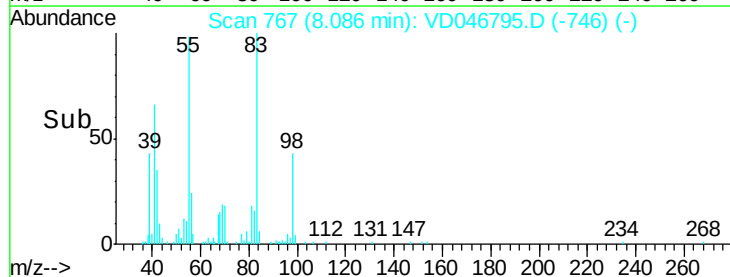
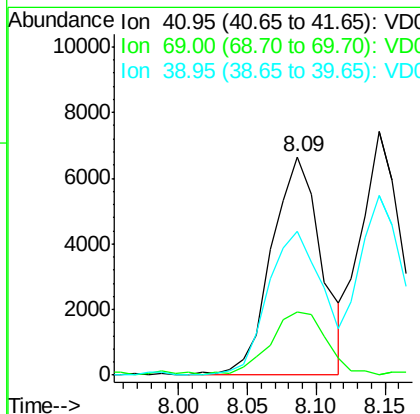
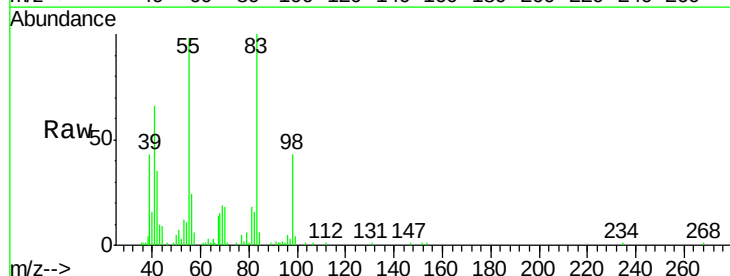
RT: 8.09 min Scan# 767

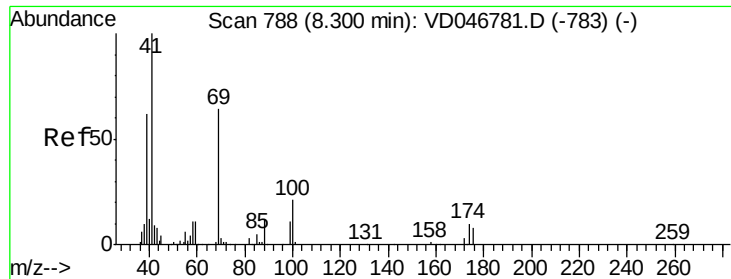
Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Tgt Ion:	41	Resp:	16754
Ion Ratio	Lower	Upper	
41	100		
69	28.9	25.3	37.9
39	65.6	47.4	71.0





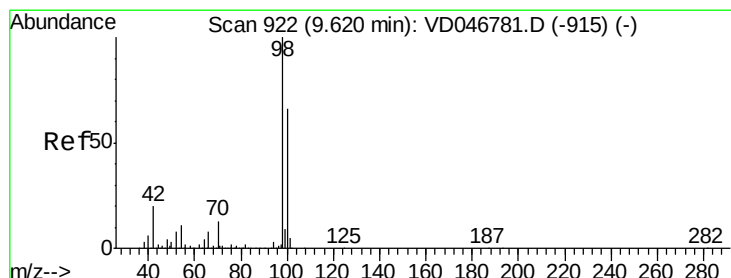
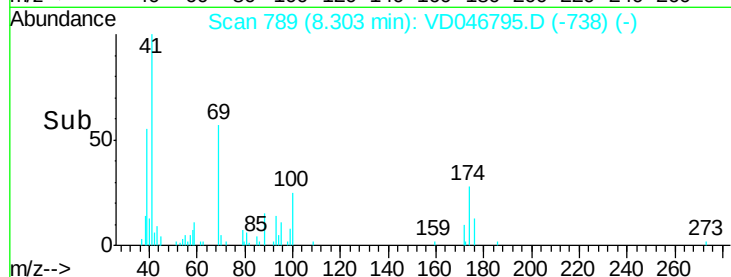
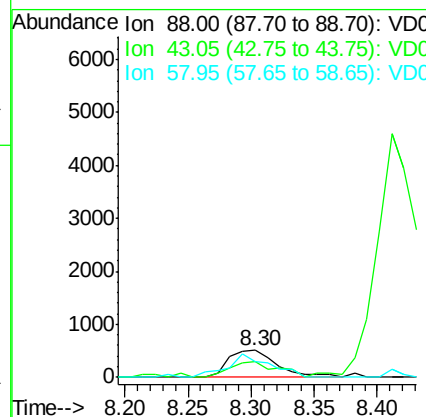
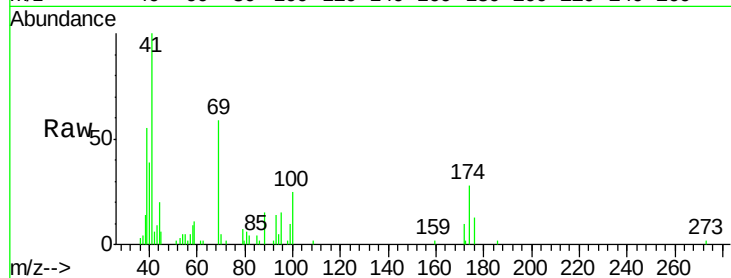
#49
1,4-Dioxane
Concen: 208.67 ug/l
RT: 8.30 min Scan# 789
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	58.2	50.0	75.0
58	56.9	48.3	72.5

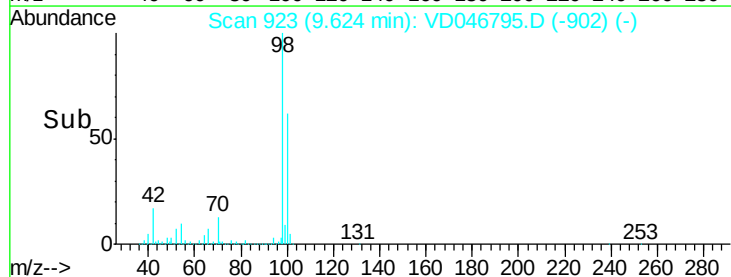
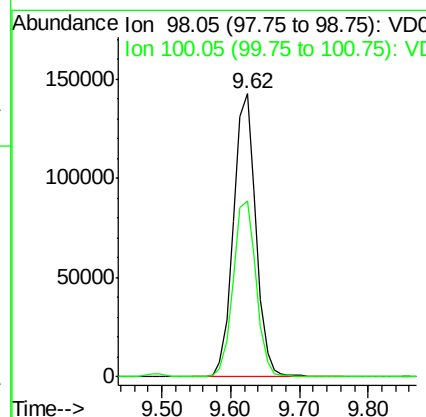
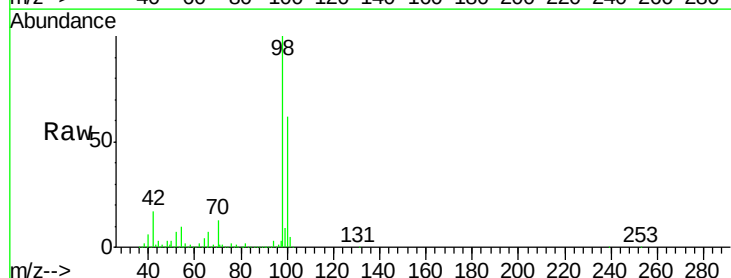
Manual Integrations
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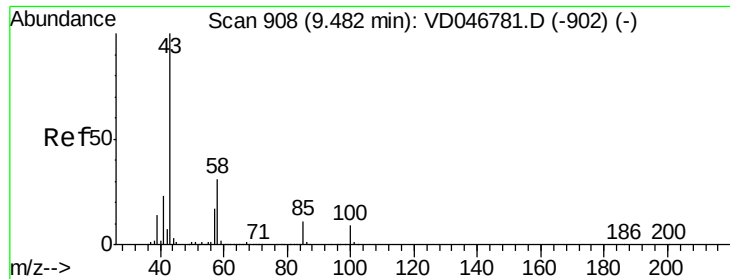
MMDadoda
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#50
Toluene-d8
Concen: 208.67 ug/l
RT: 9.62 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.1	49.9	74.9





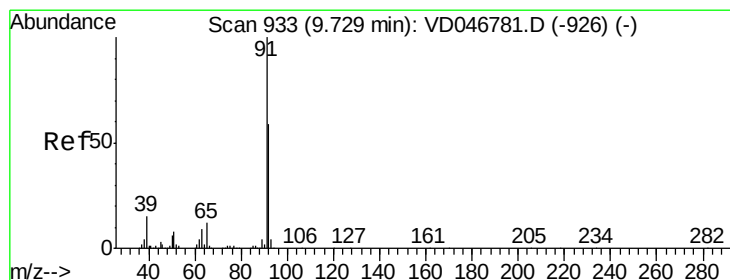
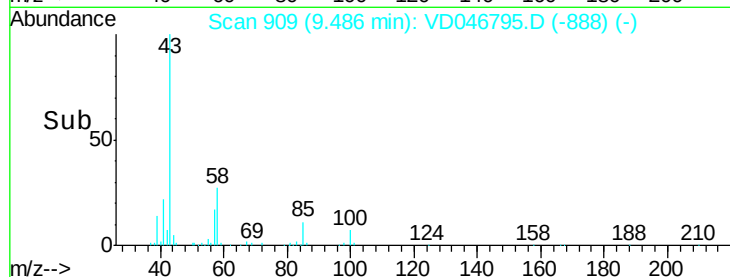
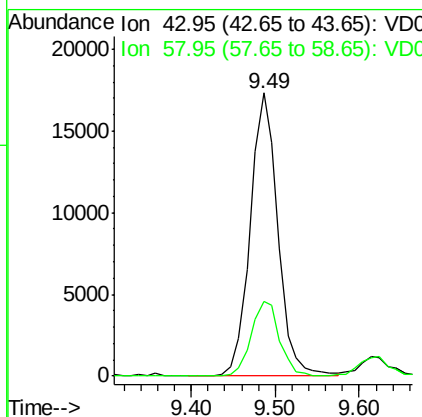
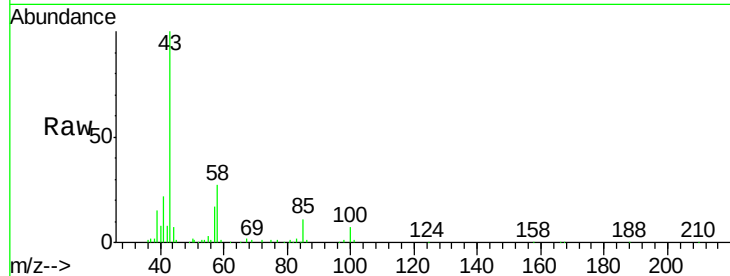
#51
 4-Methyl-2-Pentanone
 Concen: 46.63 ug/l
 RT: 9.49 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion: 43 Resp: 40031
 Ion Ratio Lower Upper
 43 100
 58 26.6 22.2 33.2

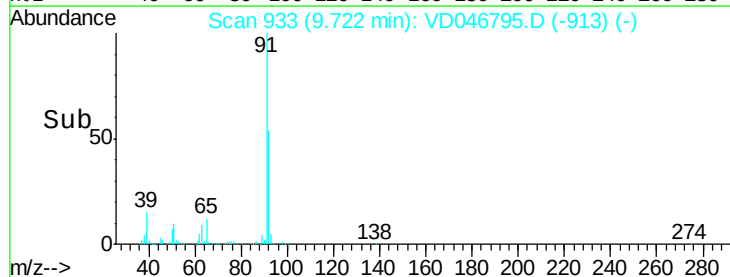
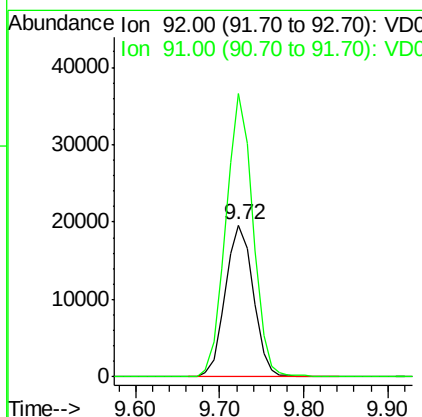
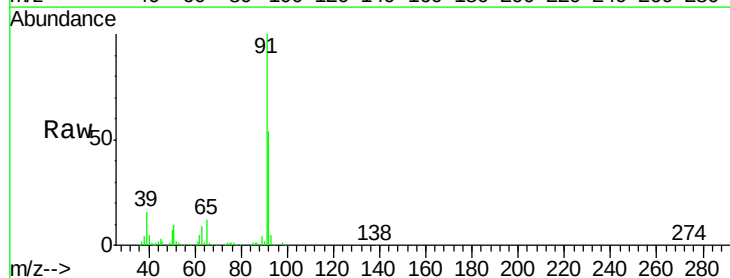
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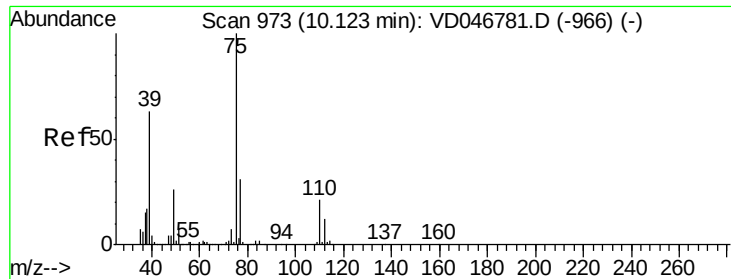
MMDadoda
 9/21/2015 11:39:29 AM



#52
 Toluene
 Concen: 10.33 ug/l
 RT: 9.72 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Tgt Ion: 92 Resp: 45623
 Ion Ratio Lower Upper
 92 100
 91 186.0 139.4 209.0





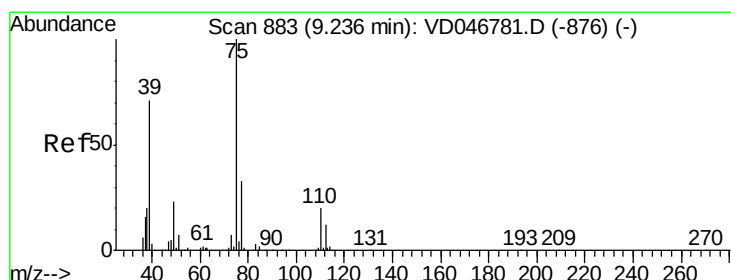
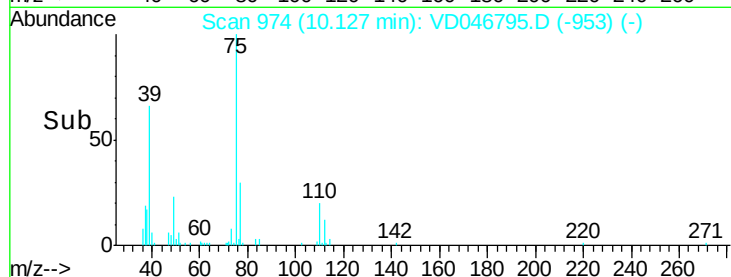
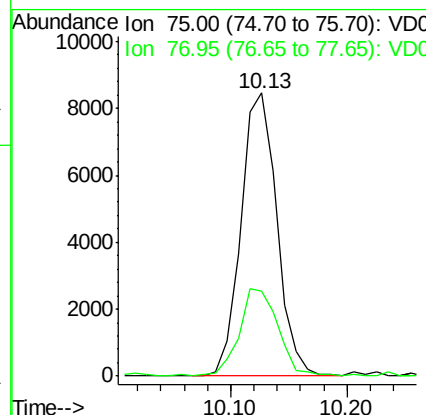
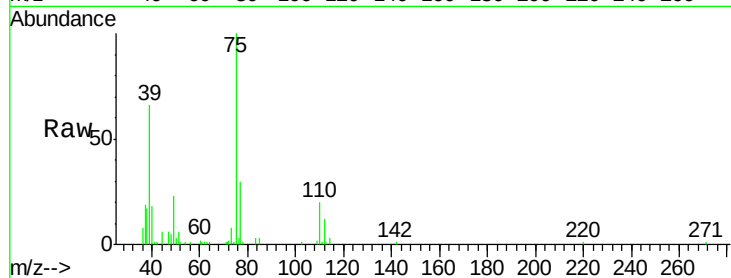
#53
t-1,3-Dichloropropene
Concen: 9.24 ug/l
RT: 10.13 min Scan# 974
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 75 Resp: 18034
Ion Ratio Lower Upper
75 100
77 30.1 27.6 41.4

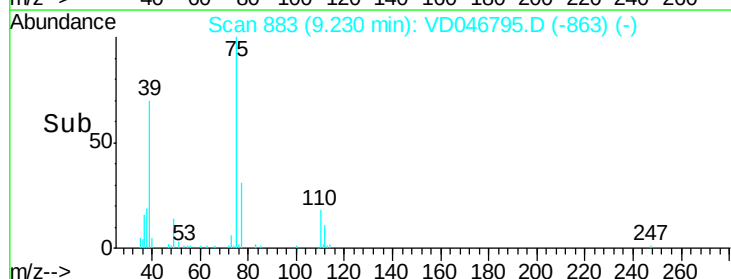
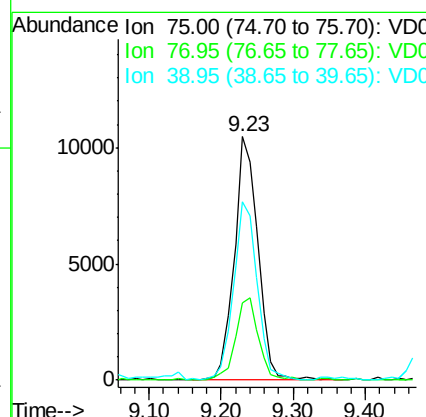
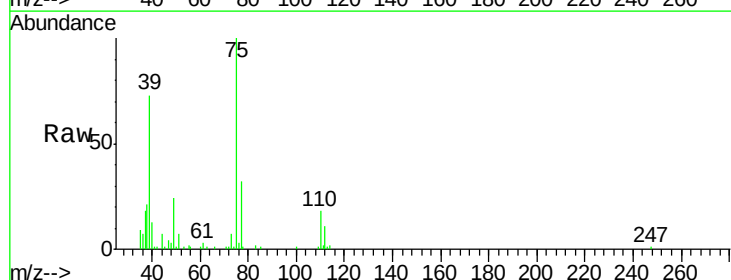
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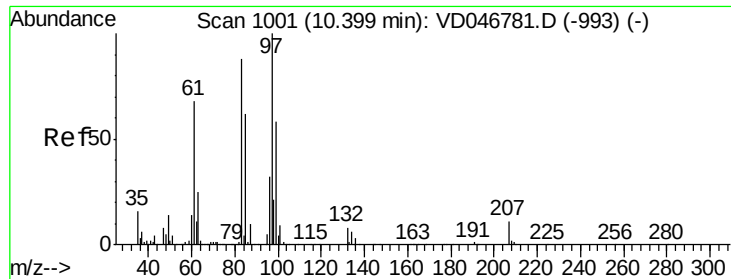
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 9.53 ug/l
RT: 9.23 min Scan# 883
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion: 75 Resp: 23951
Ion Ratio Lower Upper
75 100
77 31.9 23.8 35.6
39 73.0 53.0 79.6





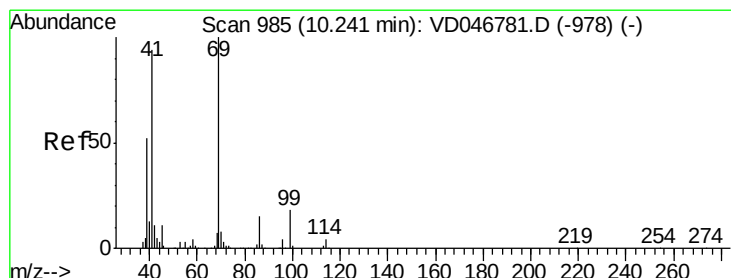
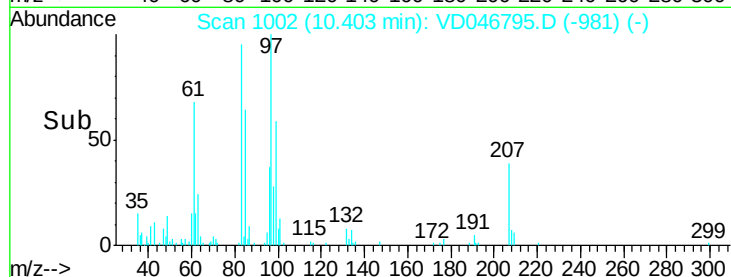
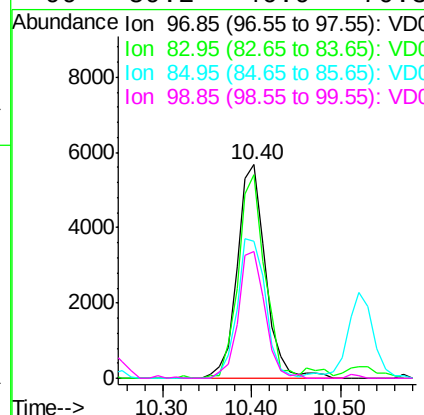
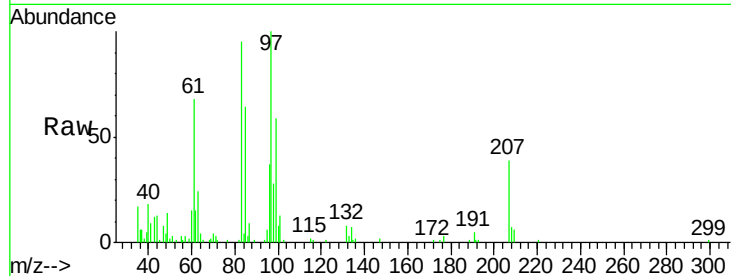
#55
1,1,2-Trichloroethane
Concen: 11.02 ug/l
RT: 10.40 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	95.3	75.3	112.9
85	64.0	50.9	76.3
99	59.2	46.9	70.3

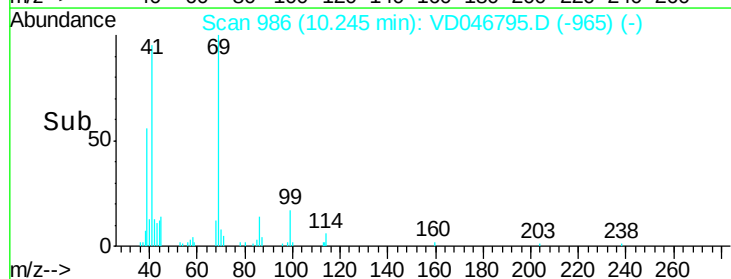
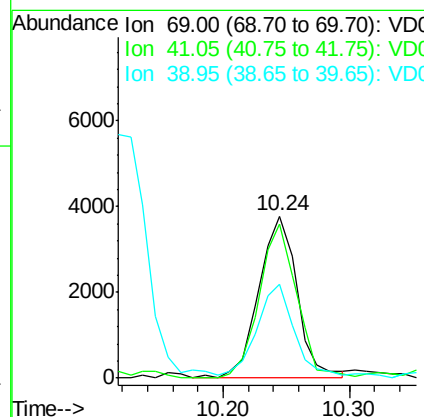
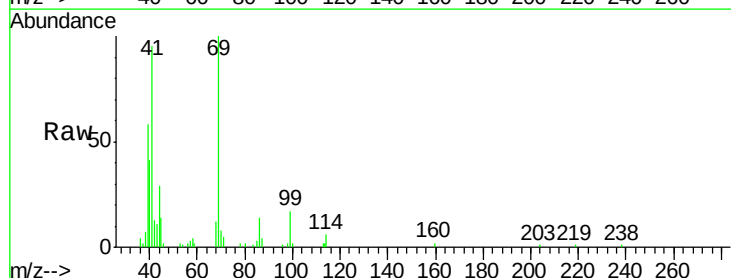
Manual Integrations
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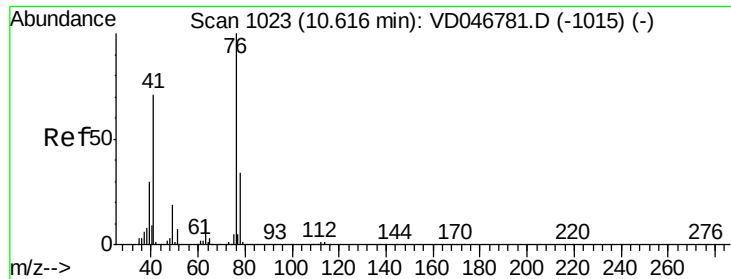
MMDadoda
9/21/2015 11:39:29 AM



#56
Ethyl methacrylate
Concen: 10.12 ug/l
RT: 10.24 min Scan# 986
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	95.2	75.4	113.0
39	57.9	41.0	61.4





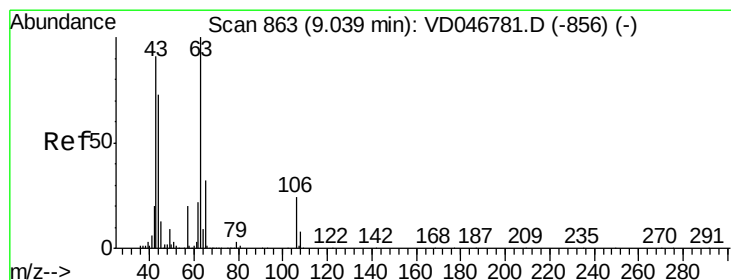
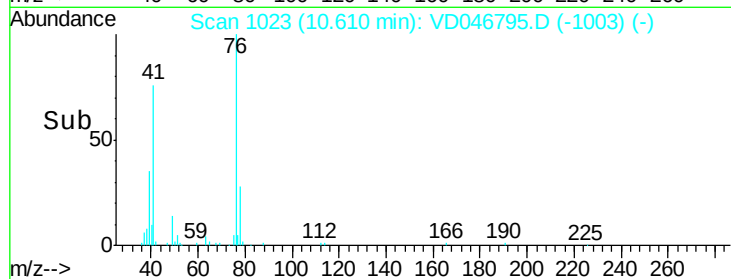
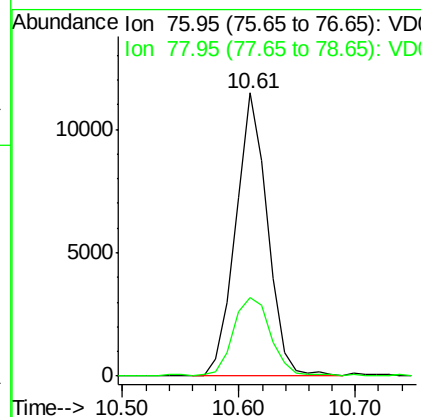
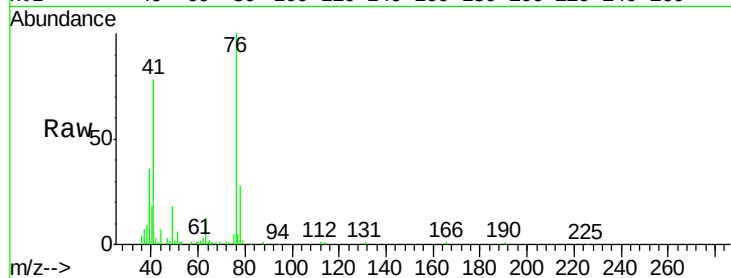
#57
 1,3-Dichloropropane
 Concen: 10.19 ug/l
 RT: 10.61 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	27.9	26.6	39.8

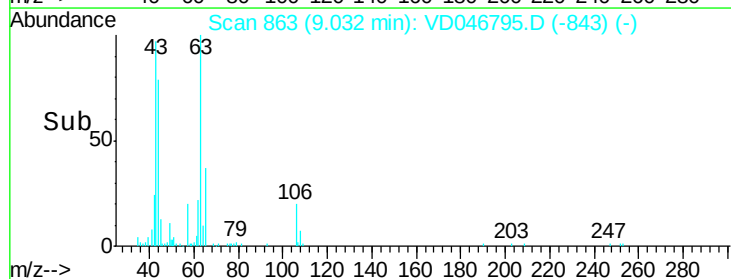
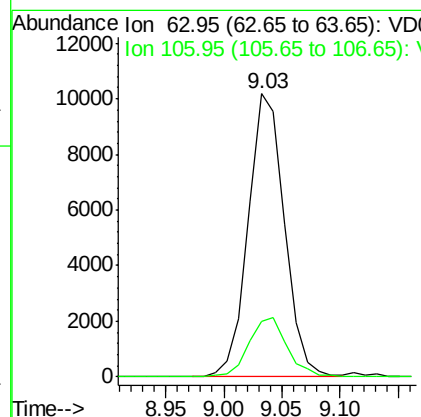
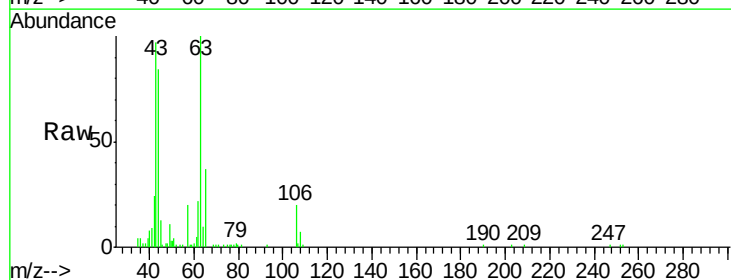
Manual Integrations
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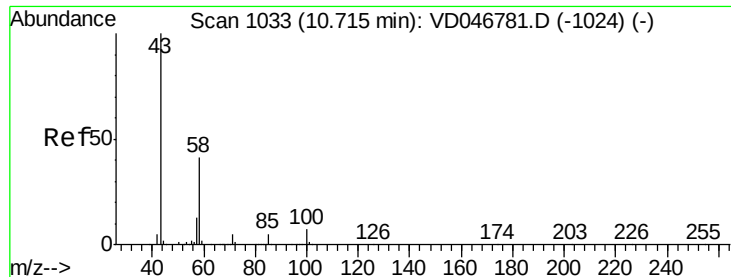
MMDadoda
 9/21/2015 11:39:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 44.29 ug/l
 RT: 9.03 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	19.8	17.8	26.8





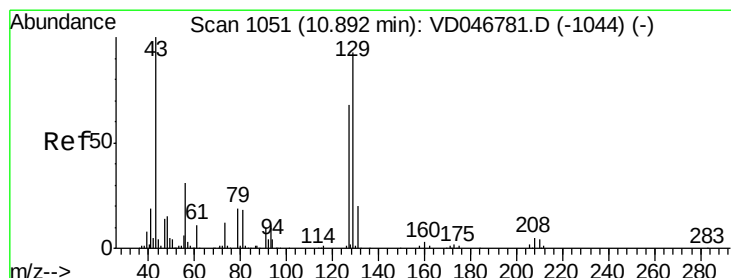
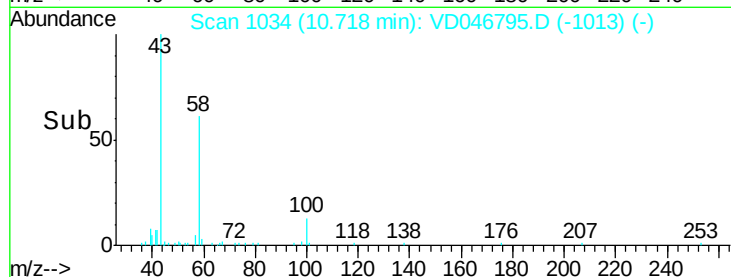
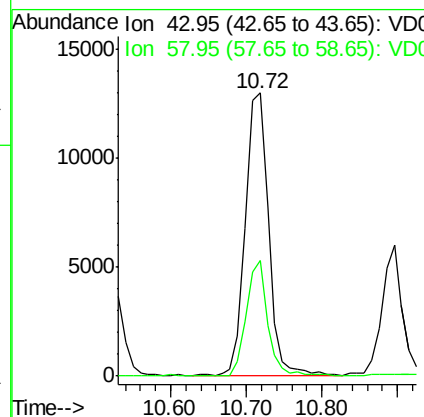
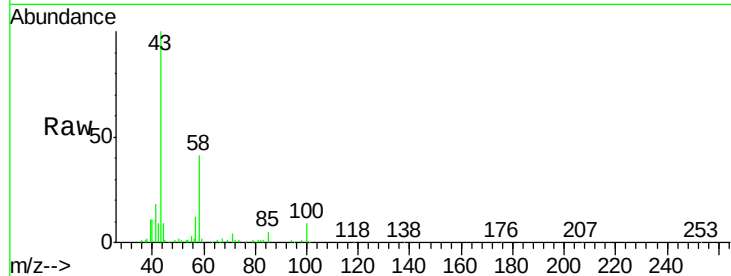
#59
2-Hexanone
Concen: 44.99 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 43 Resp: 27902
Ion Ratio Lower Upper
43 100
58 40.9 18.6 55.8

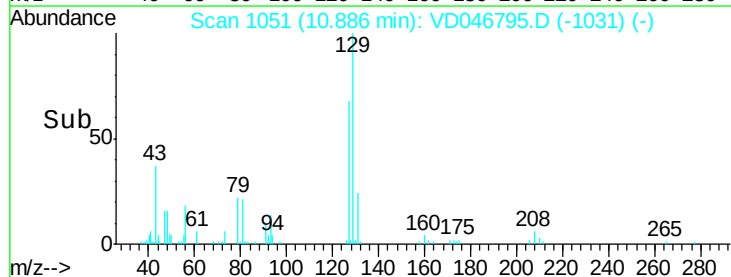
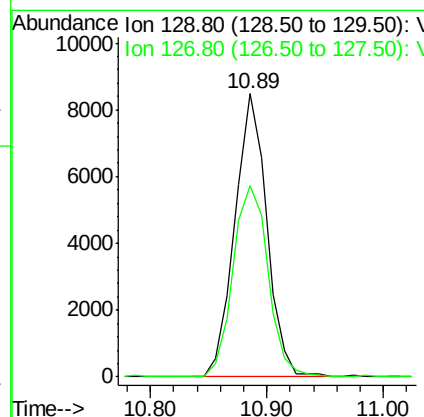
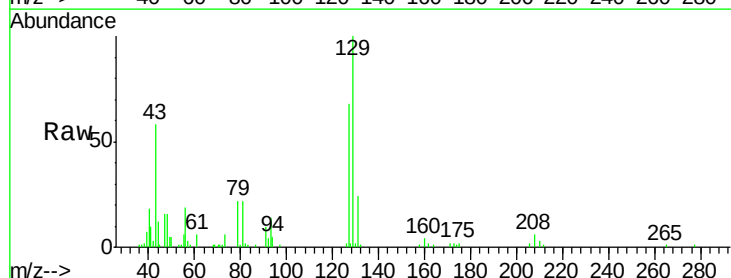
Manual Integrations
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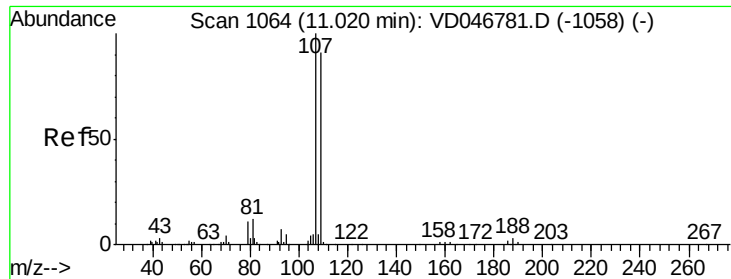
MMDadoda
9/21/2015 11:39:29 AM



#60
Dibromochloromethane
Concen: 10.30 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion: 129 Resp: 16167
Ion Ratio Lower Upper
129 100
127 67.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 10.52 ug/l

RT: 11.02 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion: 107 Resp: 11881

Ion Ratio Lower Upper

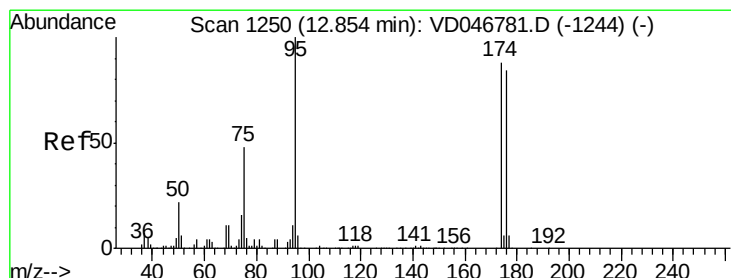
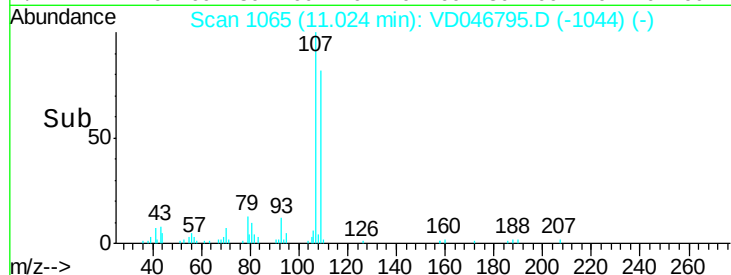
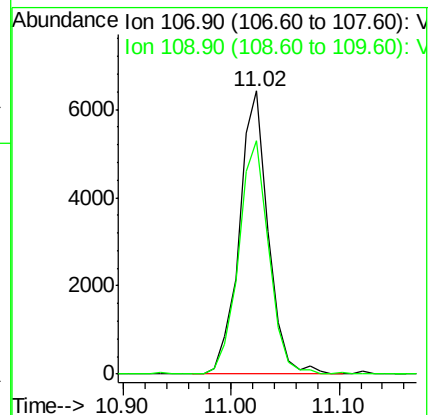
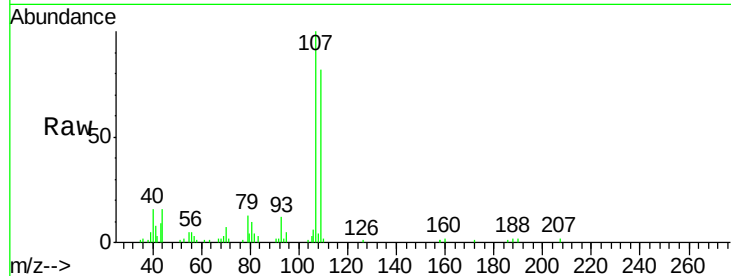
107 100

109 82.5 71.4 107.0

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 10.52 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

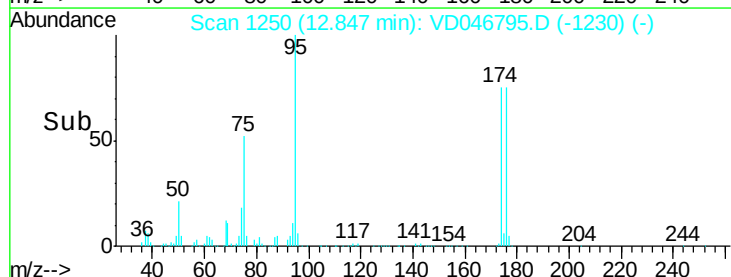
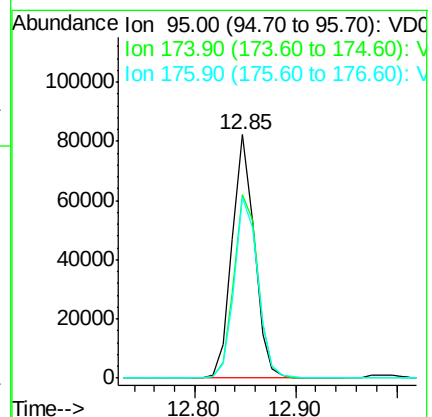
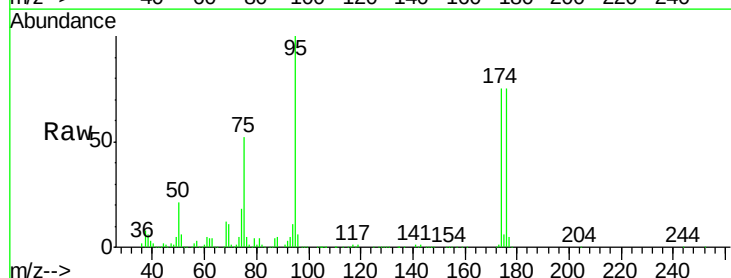
Tgt Ion: 95 Resp: 126272

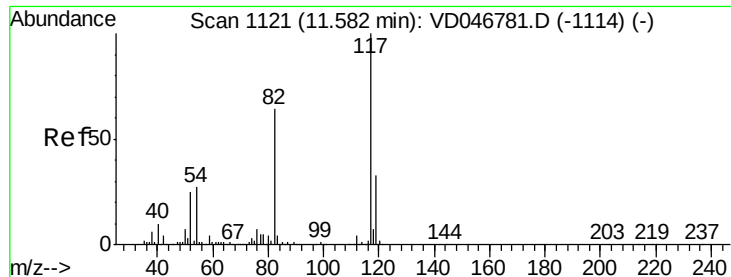
Ion Ratio Lower Upper

95 100

174 75.1 0.0 149.8

176 74.5 0.0 143.4





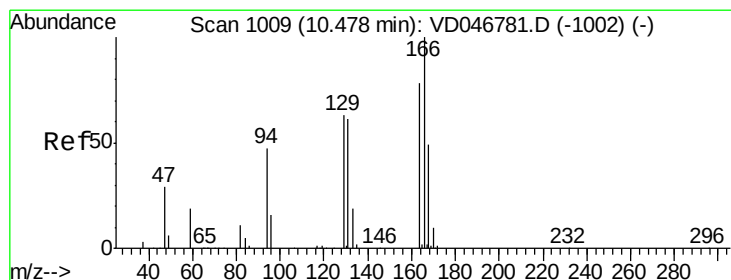
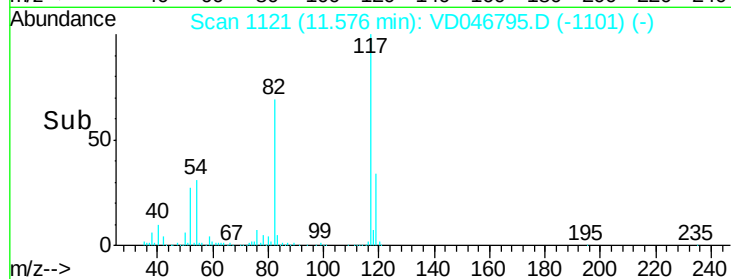
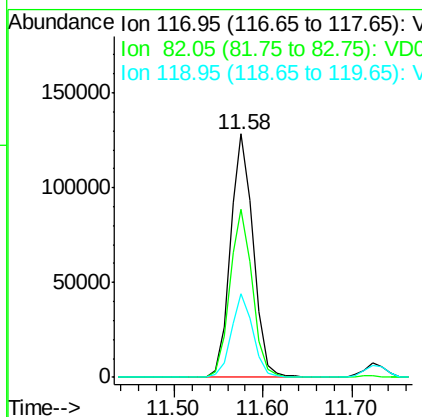
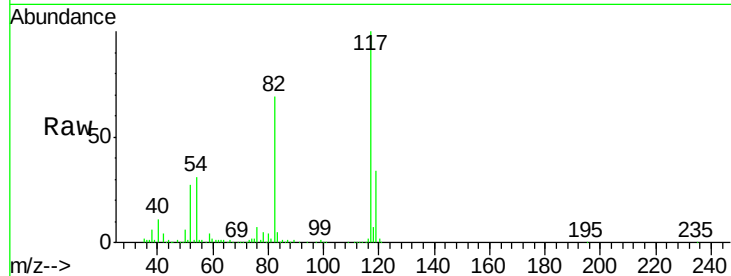
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	231306		
82	69.1	50.6	75.8	
119	34.2	25.8	38.8	

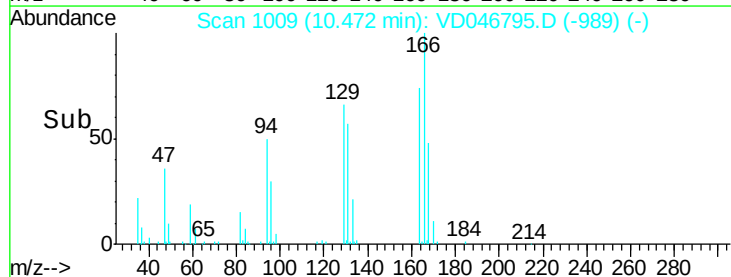
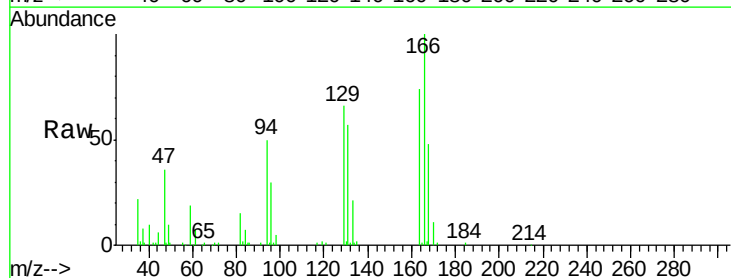
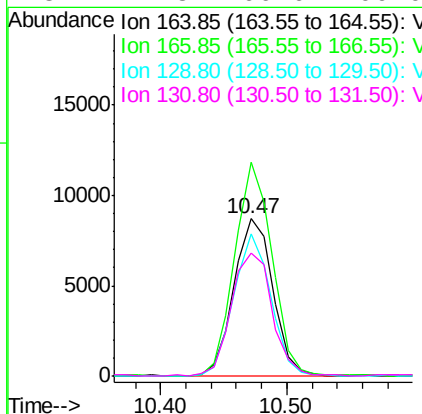
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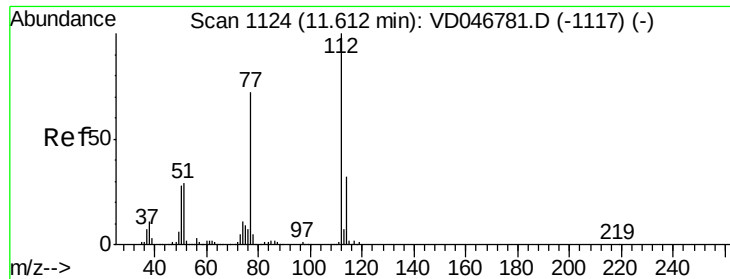
MMDadoda
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#64
Tetrachloroethene
Concen: 9.95 ug/l
RT: 10.47 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18586		
166	135.9	106.8	160.2	
129	90.2	70.6	106.0	
131	77.8	66.6	100.0	





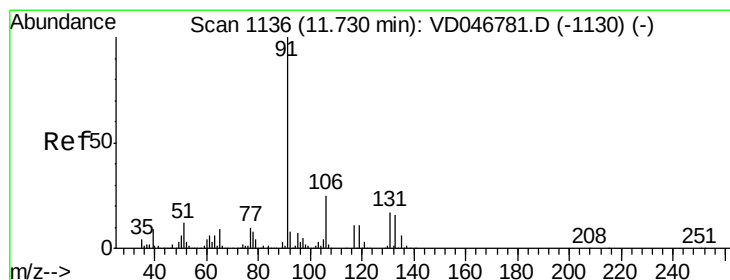
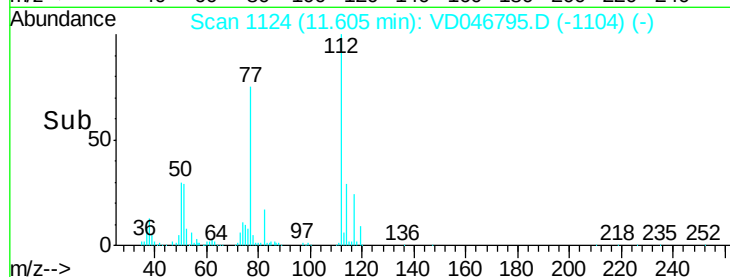
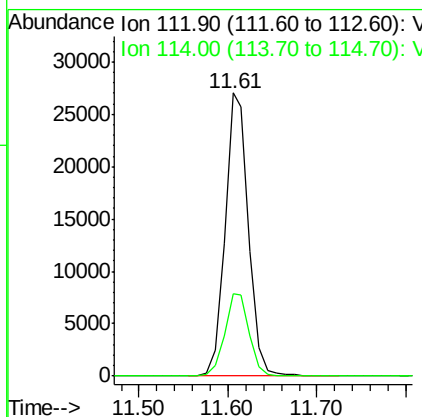
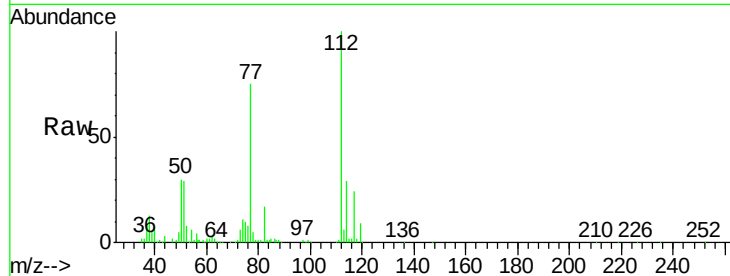
#65
Chlorobenzene
Concen: 10.24 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:112 Resp: 49843
Ion Ratio Lower Upper
112 100
114 29.2 25.3 37.9

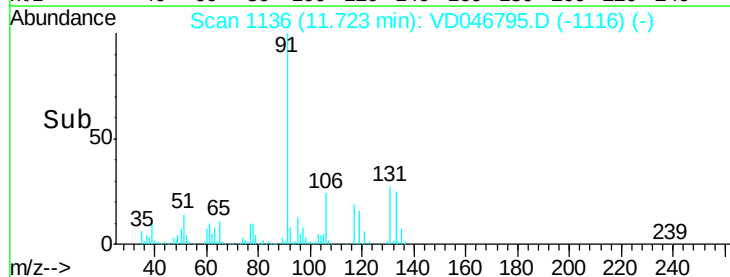
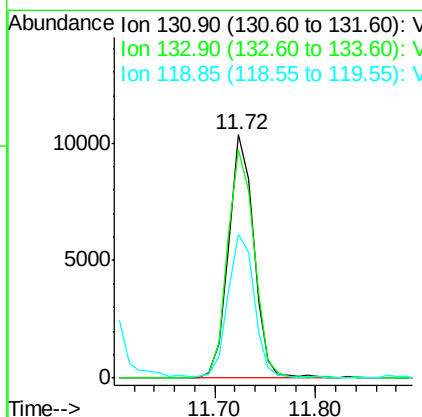
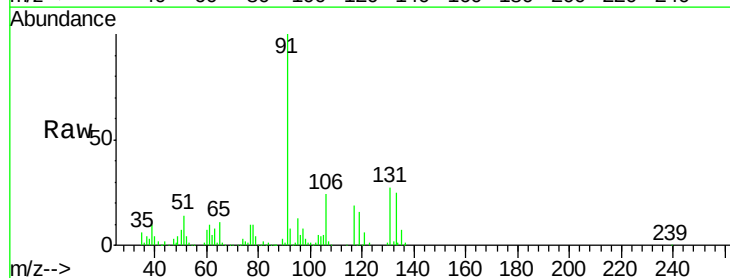
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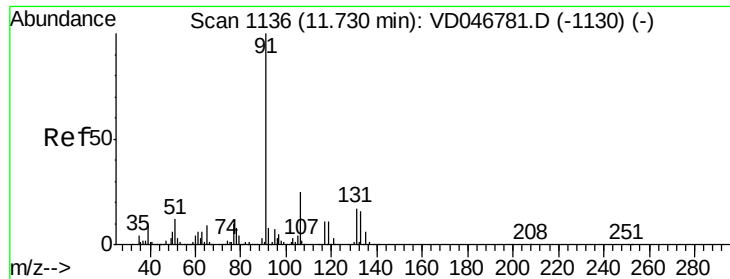
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.06 ug/l
RT: 11.72 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion:131 Resp: 17993
Ion Ratio Lower Upper
131 100
133 93.7 48.4 145.0
119 59.3 31.5 94.5





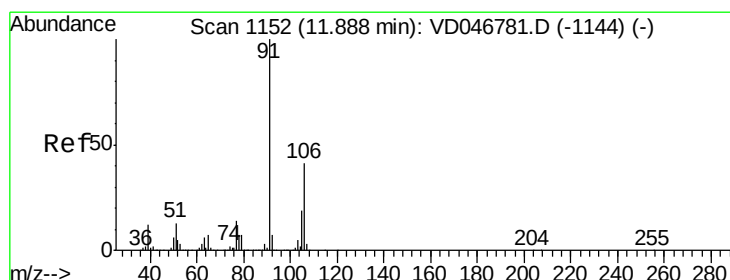
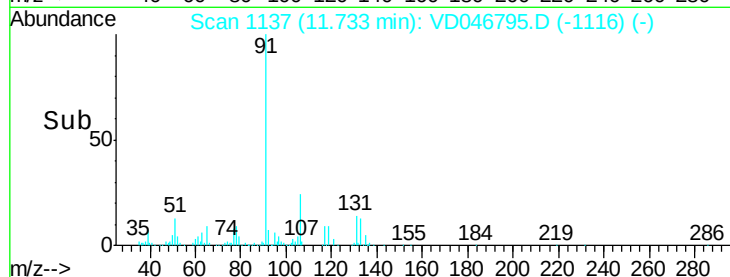
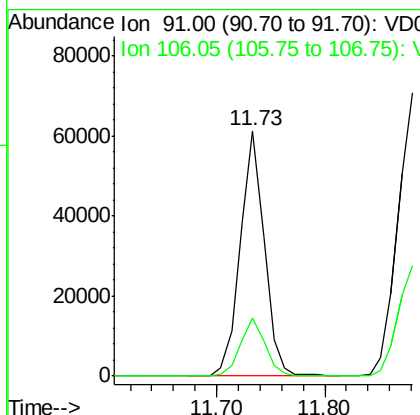
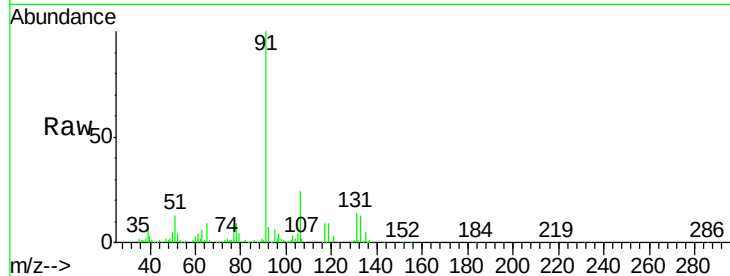
#67
Ethyl Benzene
Concen: 9.66 ug/l
RT: 11.73 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 91 Resp: 94506
Ion Ratio Lower Upper
91 100
106 23.6 20.2 30.2

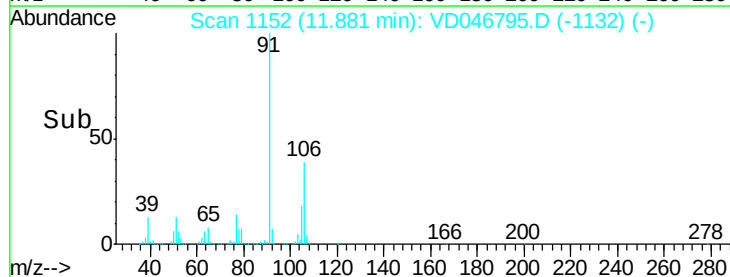
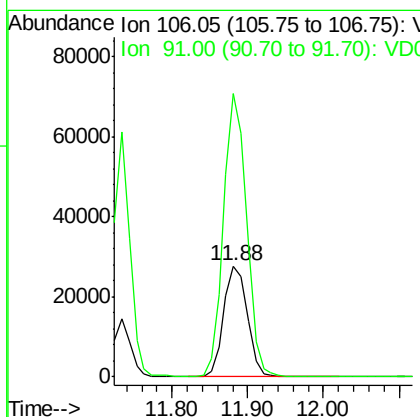
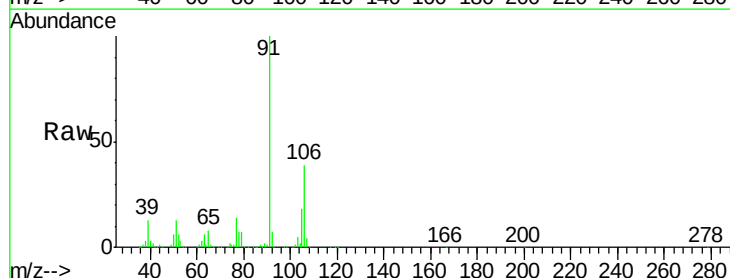
Manual Integrations
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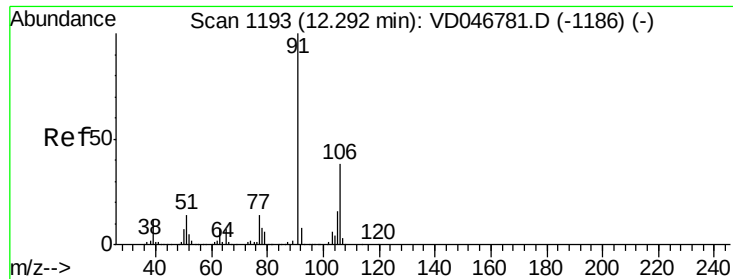
MMDadoda
9/21/2015 11:39:29 AM



#68
m/p-Xylenes
Concen: 19.52 ug/l
RT: 11.88 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion: 106 Resp: 60236
Ion Ratio Lower Upper
106 100
91 255.4 187.9 281.9





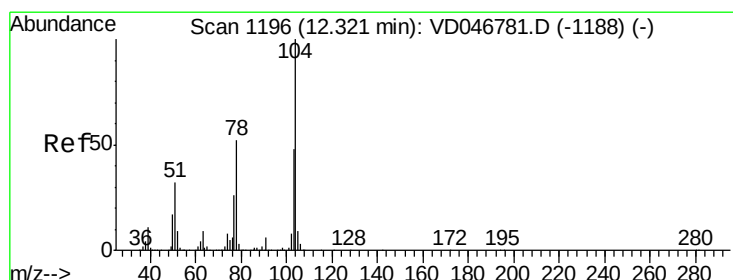
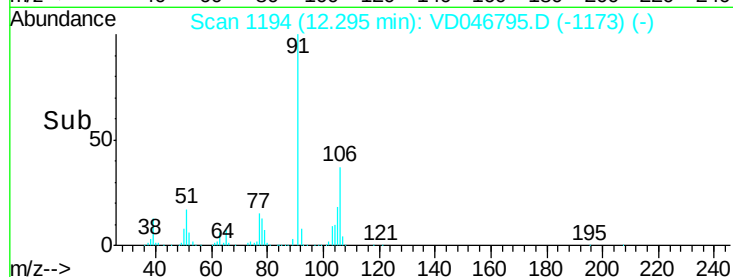
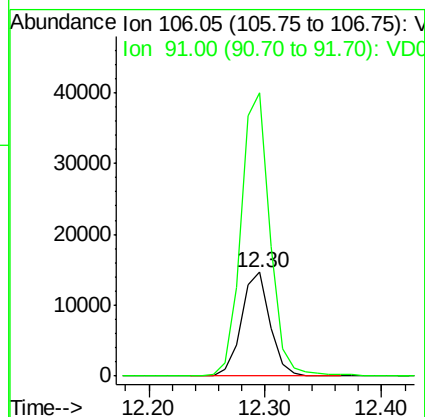
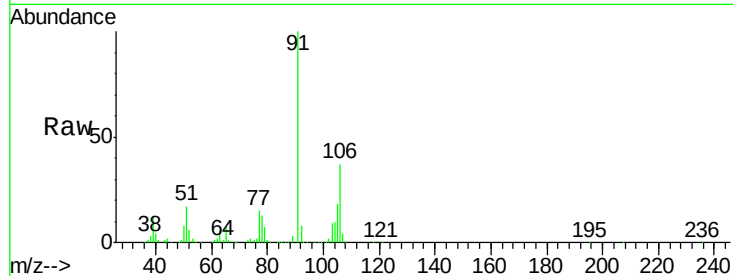
#69
o-Xylene
Concen: 8.97 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:106 Resp: 24918
Ion Ratio Lower Upper
106 100
91 272.3 124.8 374.5

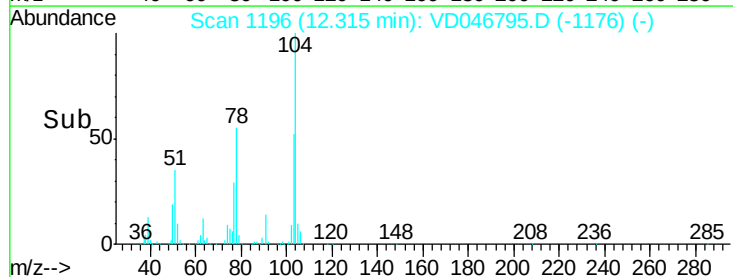
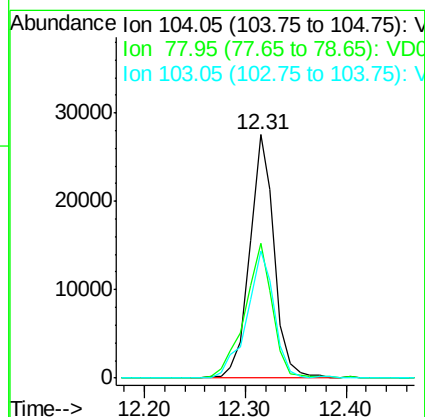
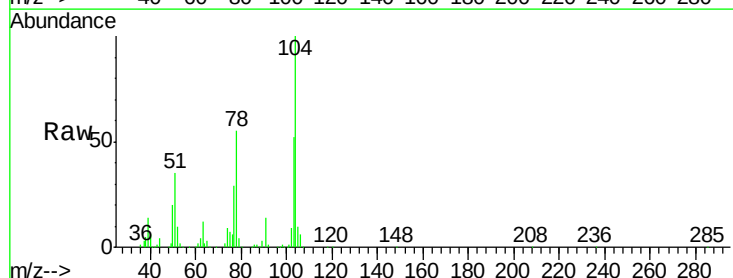
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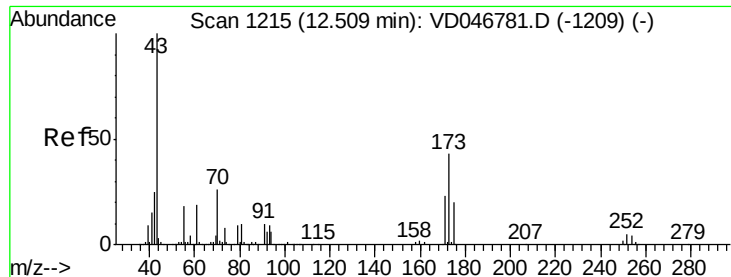
MMDadoda
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#70
Styrene
Concen: 9.71 ug/l
RT: 12.31 min Scan# 1196
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion:104 Resp: 46742
Ion Ratio Lower Upper
104 100
78 55.1 44.5 66.7
103 52.4 40.3 60.5





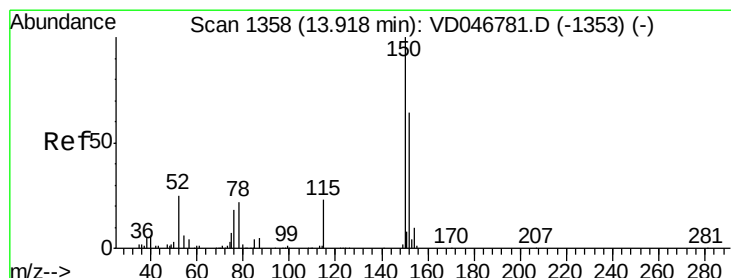
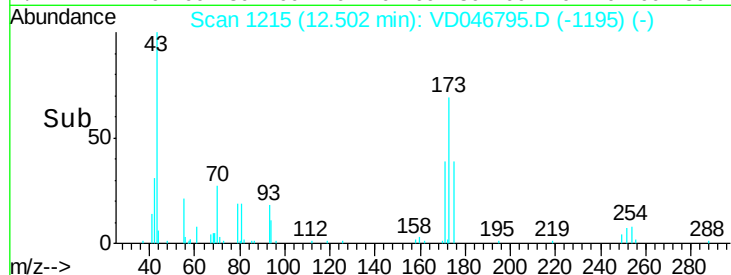
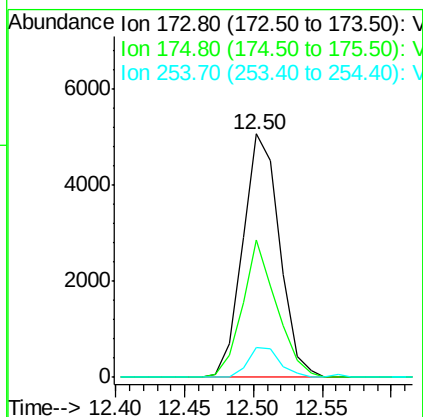
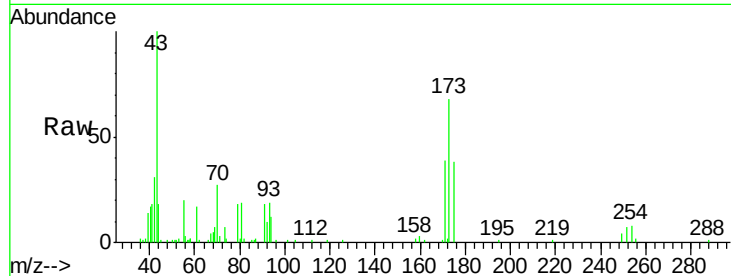
#71
Bromoform
Concen: 9.90 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	56.6	23.1	69.3
254	12.2	8.7	13.1

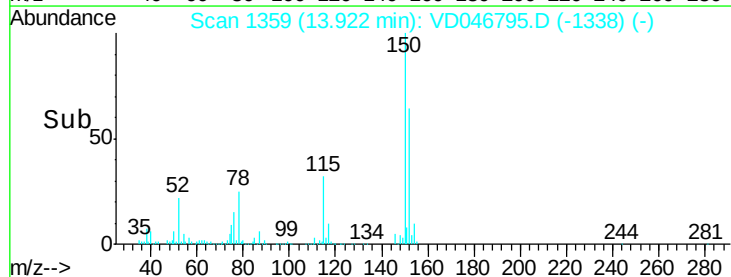
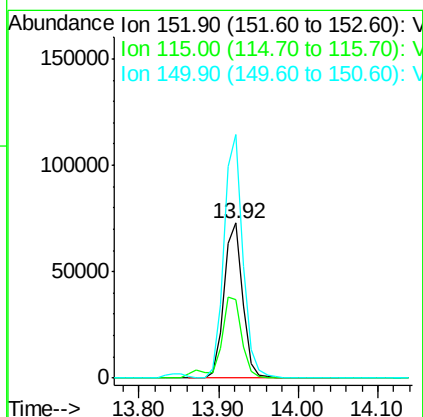
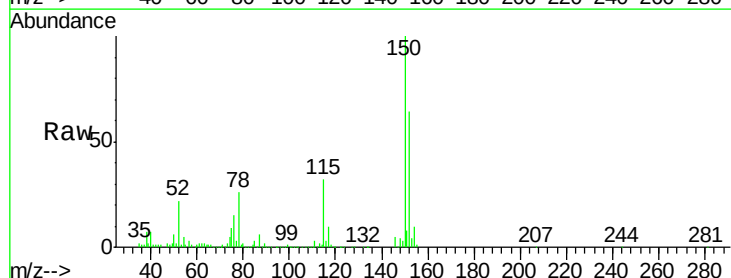
Manual Integrations
APPROVED

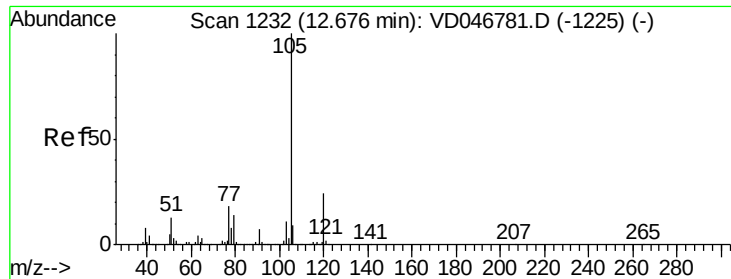
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.4	26.2	78.6
150	157.0	0.0	311.8





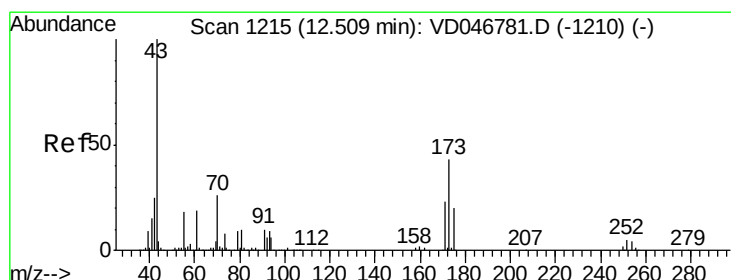
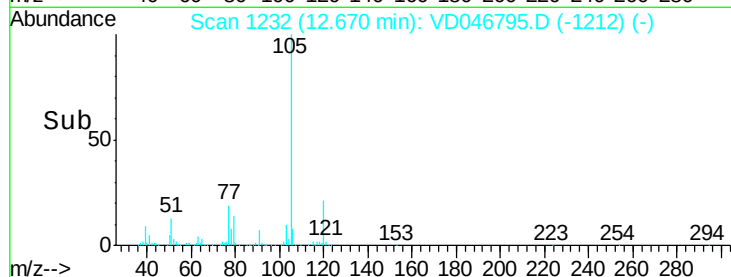
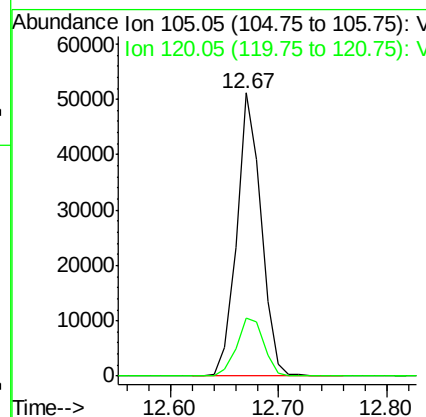
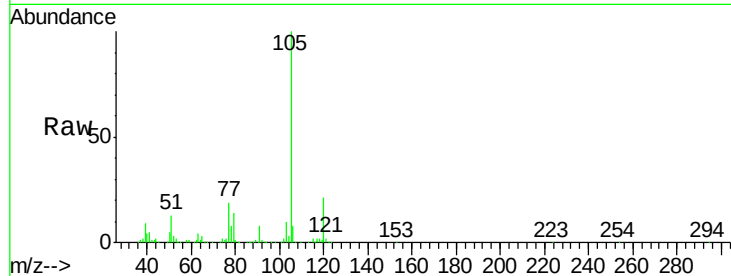
#73
Isopropylbenzene
Concen: 9.42 ug/l
RT: 12.67 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	20.7	12.4	37.4

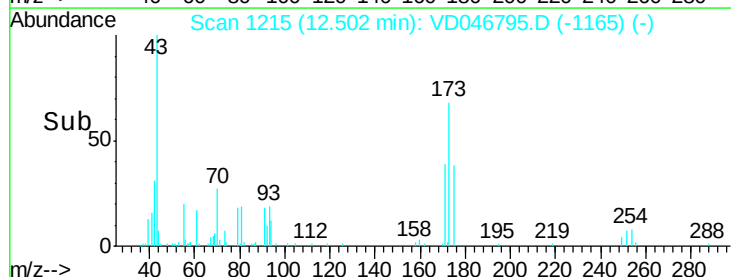
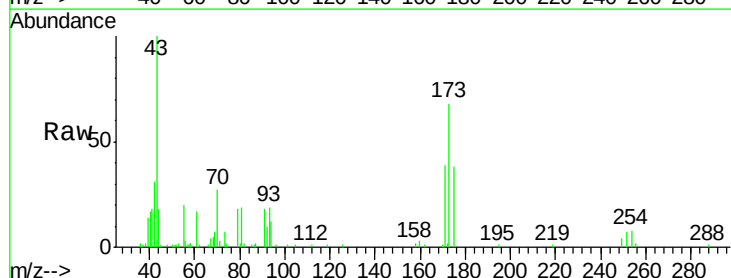
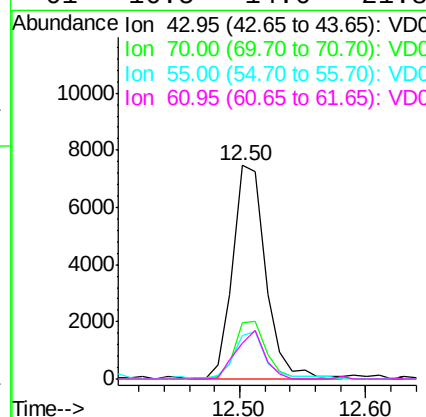
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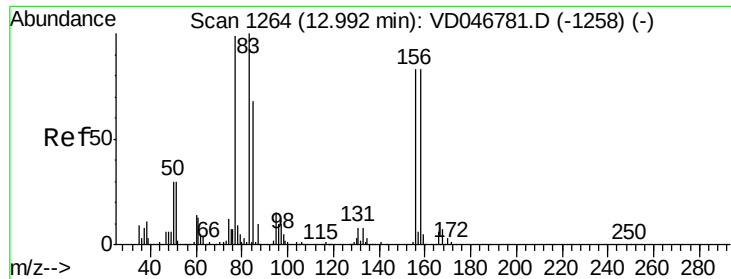
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#74
N-ethyl acetate
Concen: 10.43 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	26.5	22.1	33.1
55	20.4	14.5	21.7
61	16.5	14.6	21.8





#75

1,1,2,2-Tetrachloroethane

Concen: 10.74 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

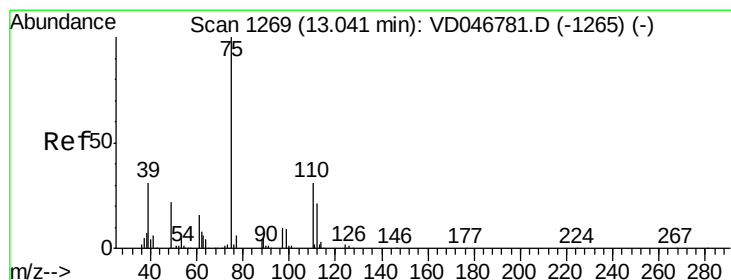
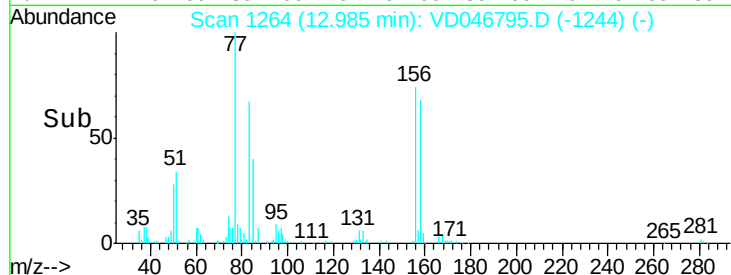
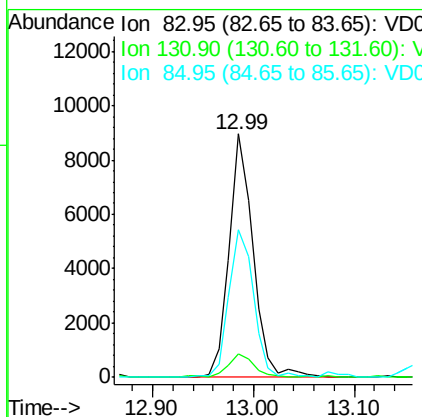
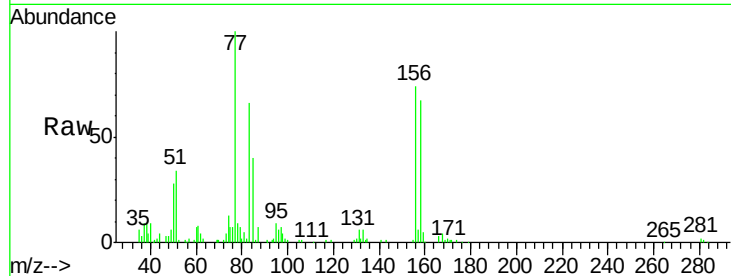
ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	83	Resp:	14780
Ion Ratio	Lower	Upper	
83	100		
131	9.5	3.9	11.7
85	60.5	30.5	91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 10.01 ug/l

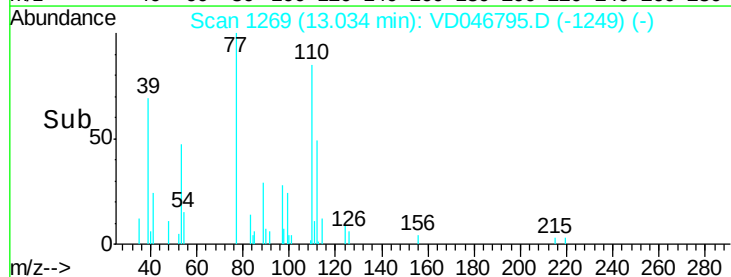
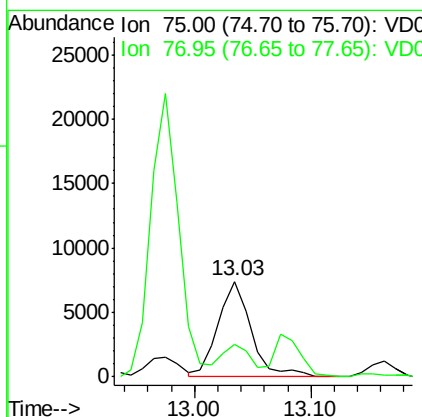
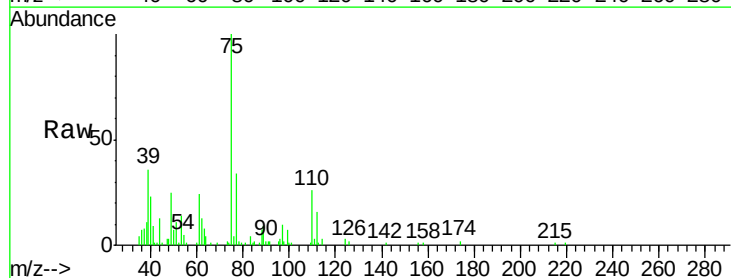
RT: 13.03 min Scan# 1269

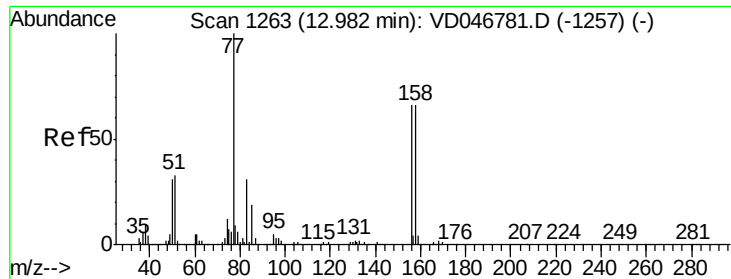
Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Tgt Ion:	75	Resp:	14730
Ion Ratio	Lower	Upper	
75	100		
77	34.1	16.0	48.0





#77

Bromobenzene

Concen: 9.96 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

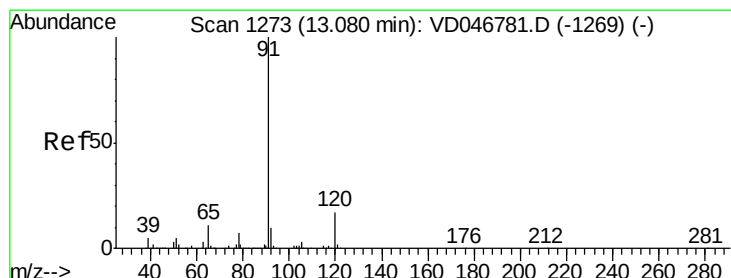
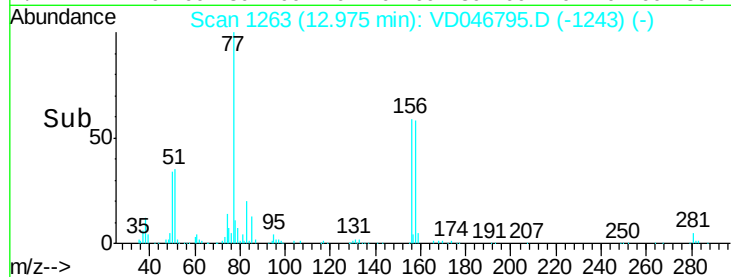
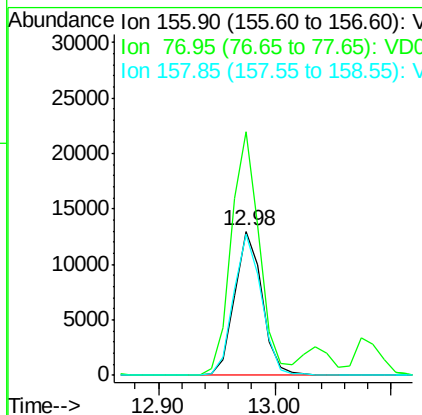
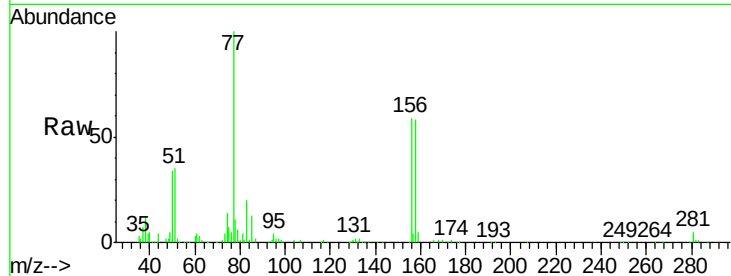
ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	156	Resp:	21351
Ion Ratio	Lower	Upper	
156	100		
77	168.9	70.3	210.8
158	98.2	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 9.79 ug/l

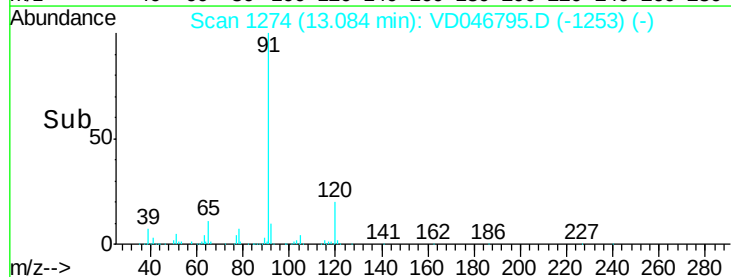
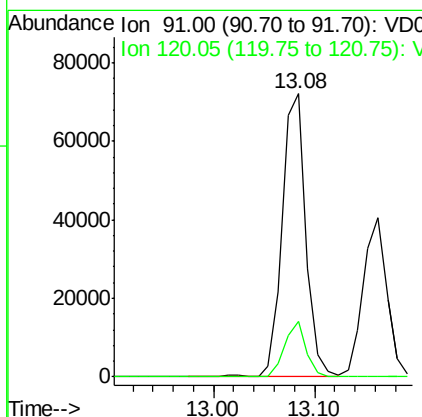
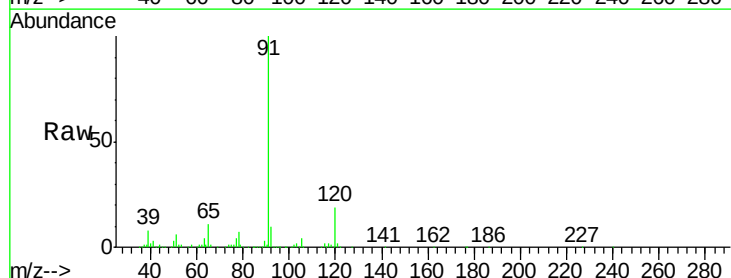
RT: 13.08 min Scan# 1274

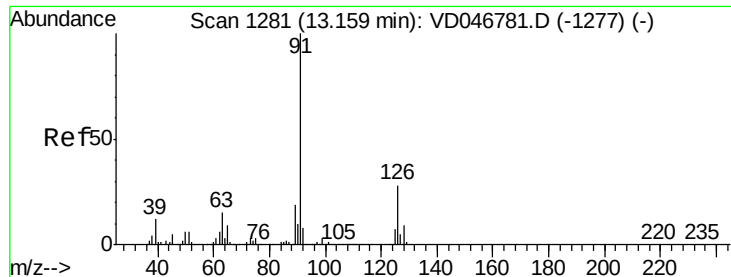
Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Tgt Ion:	91	Resp:	117864
Ion Ratio	Lower	Upper	
91	100		
120	19.5	9.3	27.7





#79

2-Chlorotoluene

Concen: 9.81 ug/l

RT: 13.16 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion: 91 Resp: 65589

Ion Ratio Lower Upper

91 100

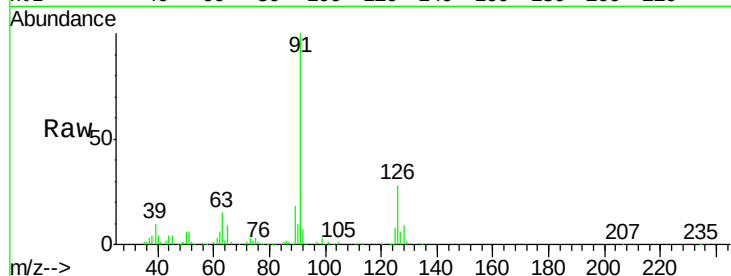
126 27.7 14.1 42.4

Manual Integrations

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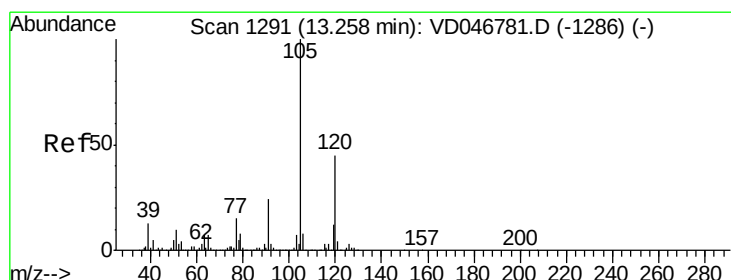
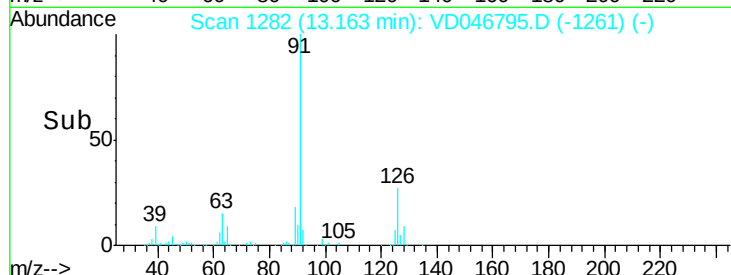
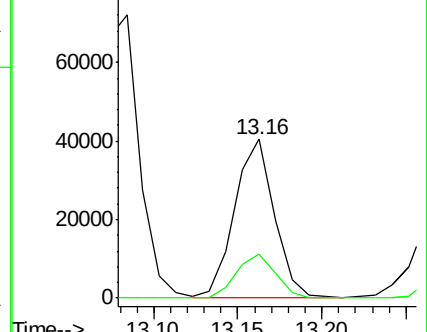
MMDadoda

9/21/2015 11:39:29 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 9.56 ug/l

RT: 13.25 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VD046795.D

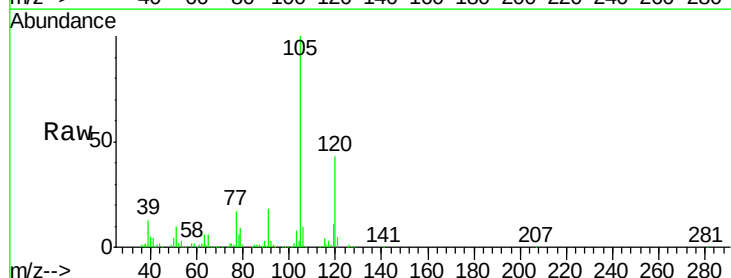
Acq: 18 Sep 2015 21:34

Tgt Ion: 105 Resp: 64920

Ion Ratio Lower Upper

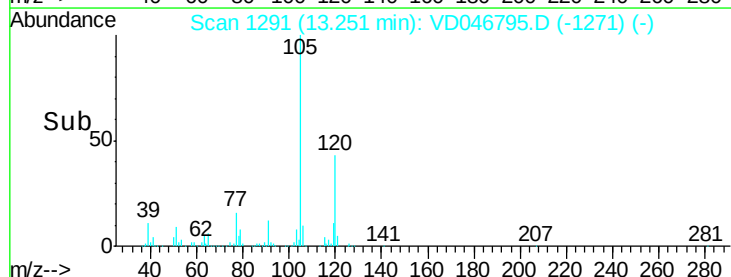
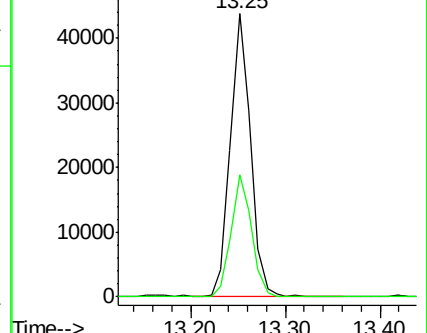
105 100

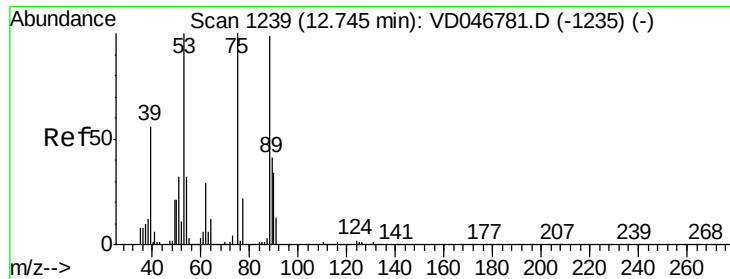
120 43.1 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





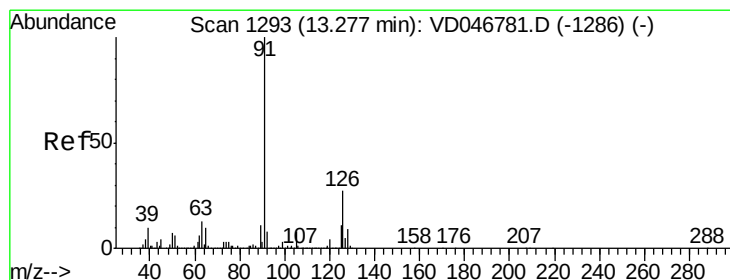
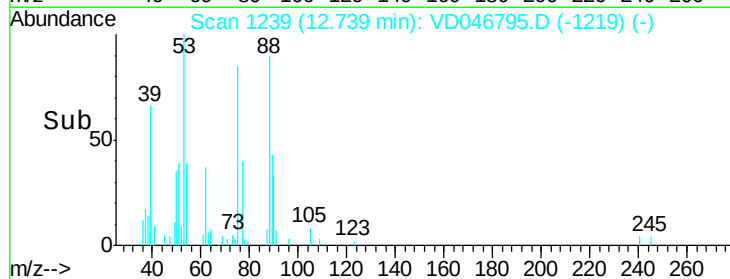
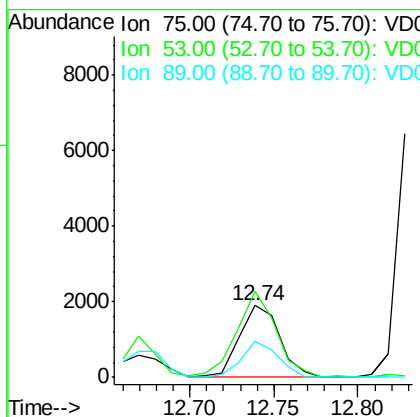
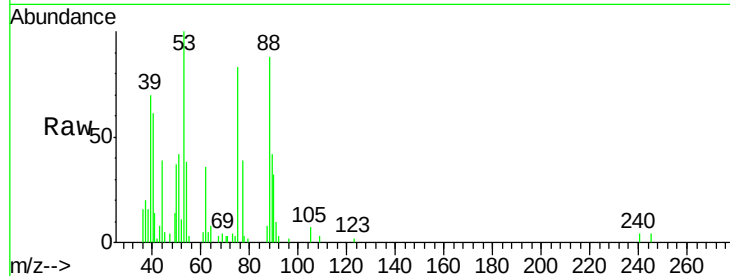
#81
trans-1,4-Dichloro-2-butene
Concen: 11.03 ug/l
RT: 12.74 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	120.5	82.3	123.5
89	50.3	36.6	54.8

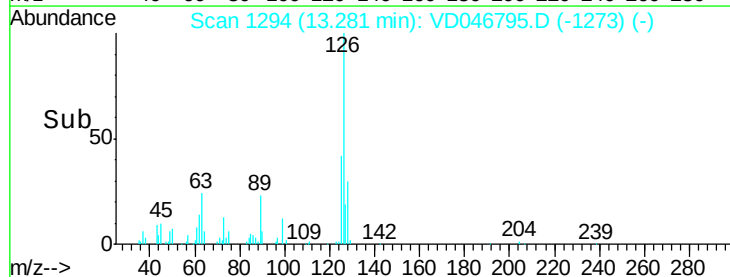
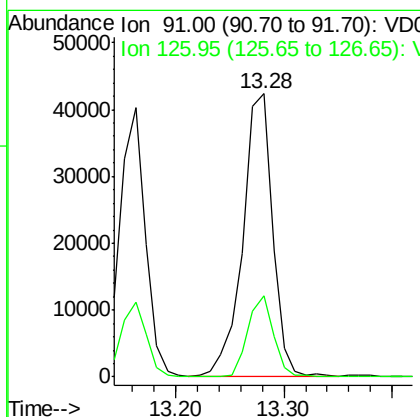
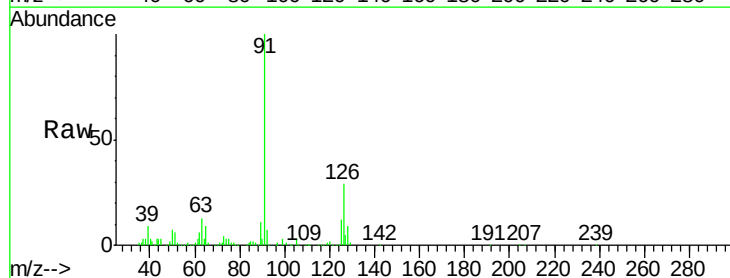
Manual Integrations
APPROVED

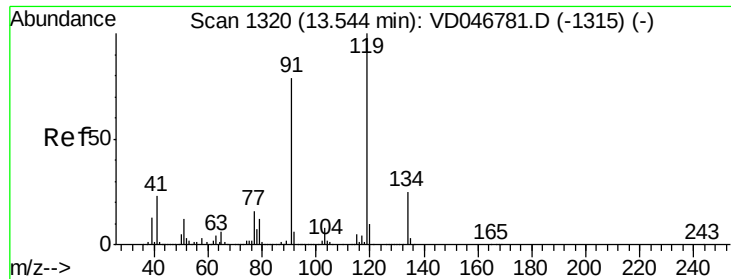
MMDadoda
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#82
4-Chlorotoluene
Concen: 10.16 ug/l
RT: 13.28 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.1	42.4





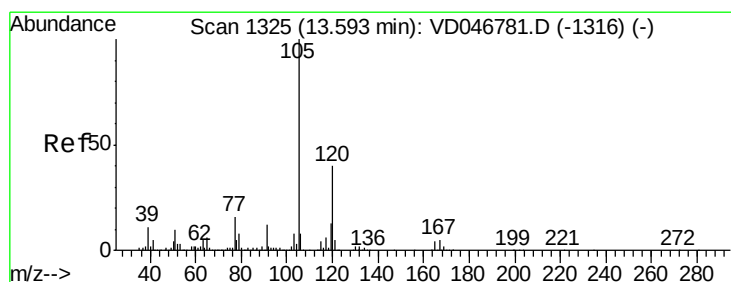
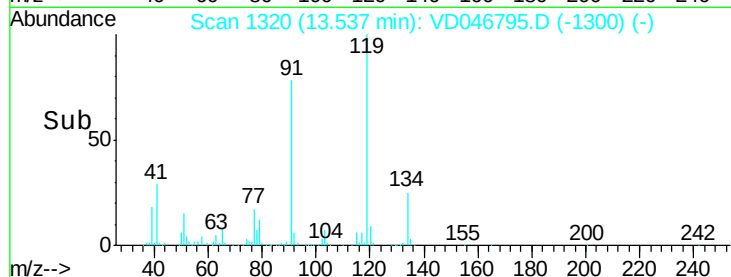
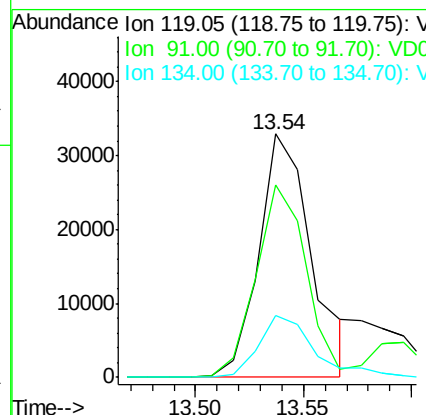
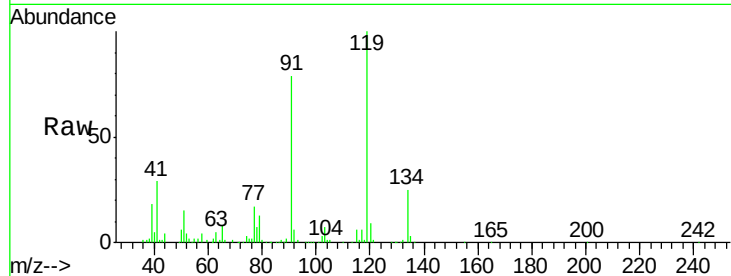
#83
 tert-Butylbenzene
 Concen: 9.18 ug/l m
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	78.9	41.6	124.9
134	25.3	12.4	37.4

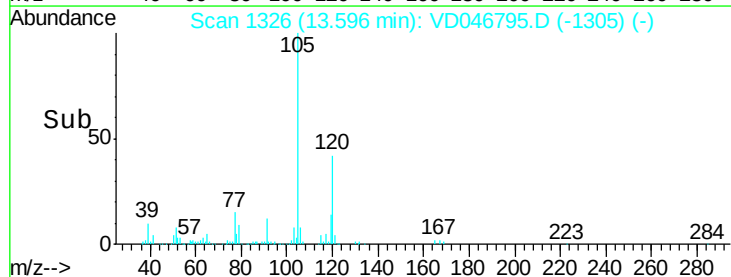
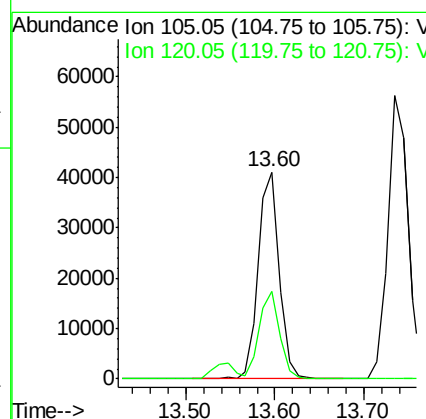
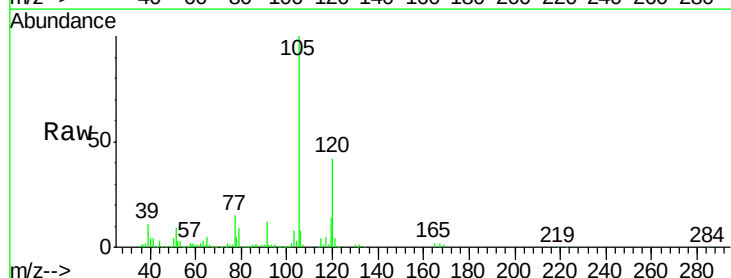
Manual Integrations
 APPROVED

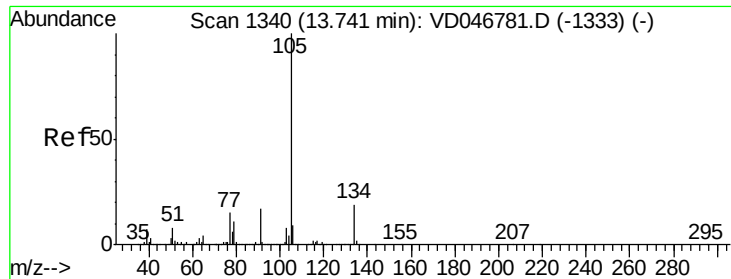
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.69 ug/l
 RT: 13.60 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.1	63.1





#85

sec-Butylbenzene

Concen: 9.72 ug/l

RT: 13.73 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:105 Resp: 87526

Ion Ratio Lower Upper

105 100

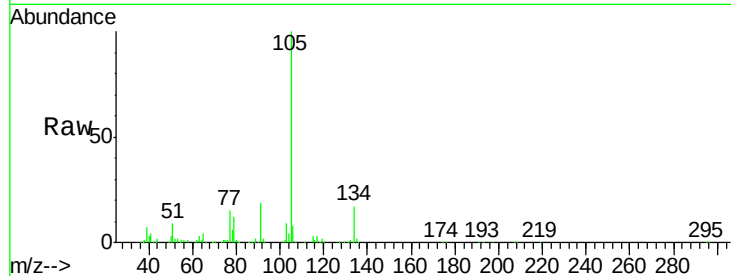
134 17.3 10.1 30.3

Manual Integrations

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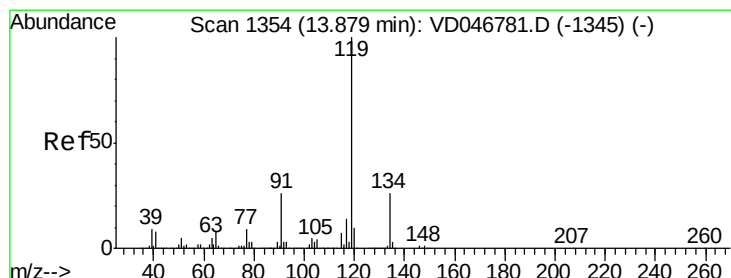
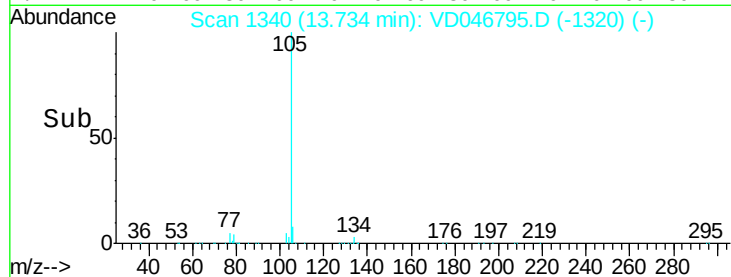
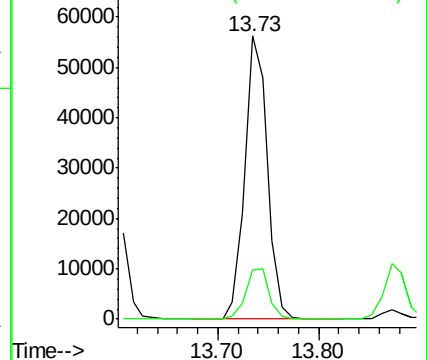
MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 9.63 ug/l

RT: 13.87 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

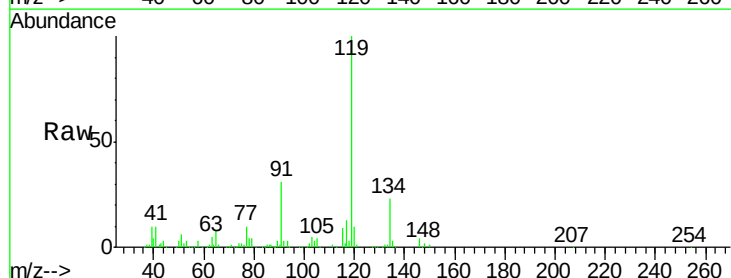
Tgt Ion:119 Resp: 68166

Ion Ratio Lower Upper

119 100

134 23.5 13.0 38.9

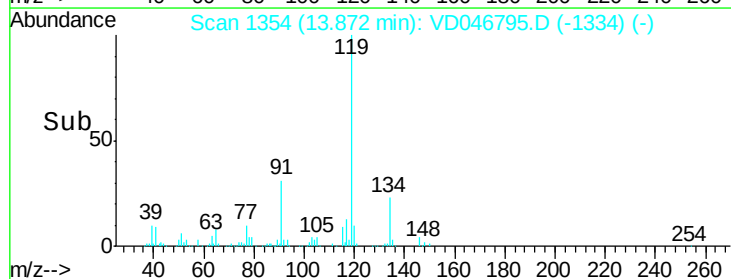
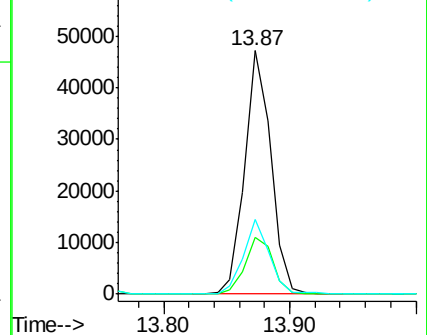
91 30.8 13.8 41.3

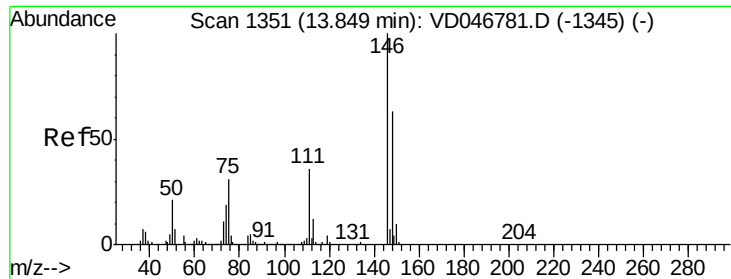


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





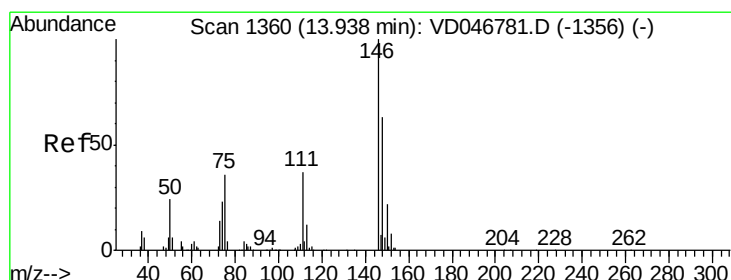
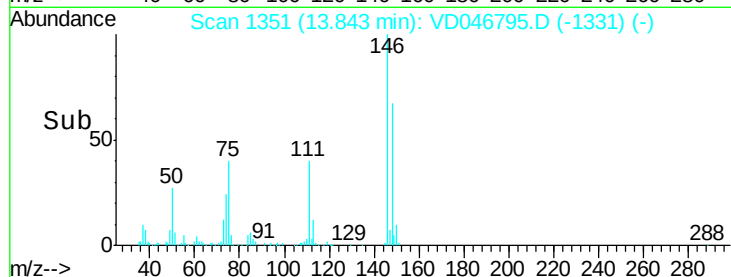
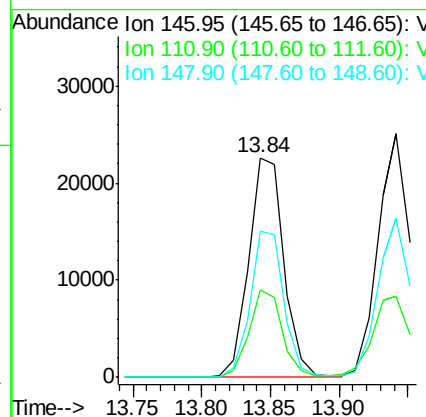
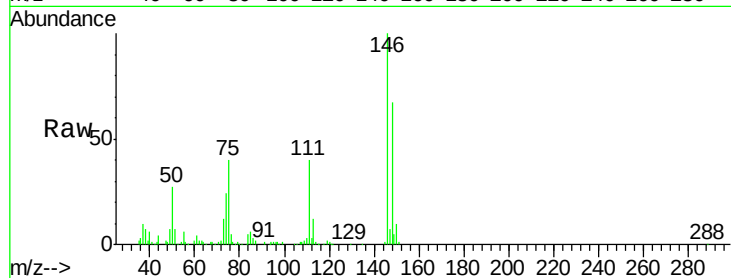
#87
 1,3-Dichlorobenzene
 Concen: 10.10 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	17.4	52.2
148	66.8	33.0	99.0

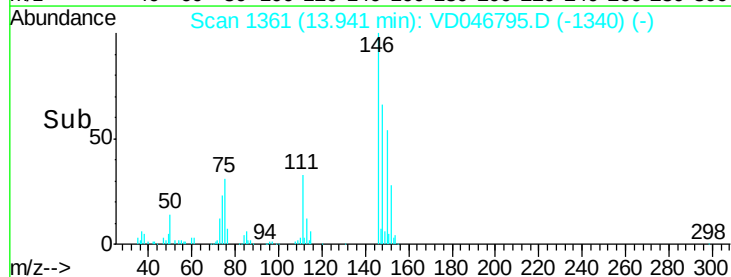
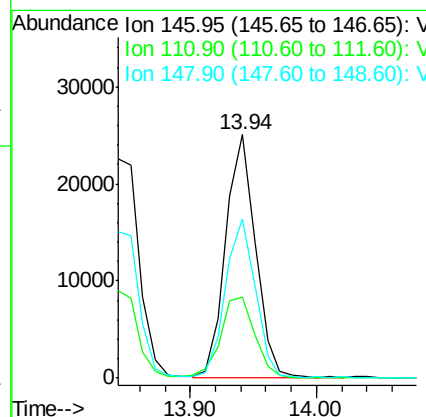
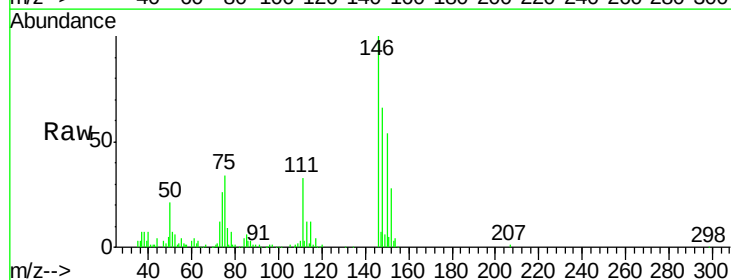
Manual Integrations
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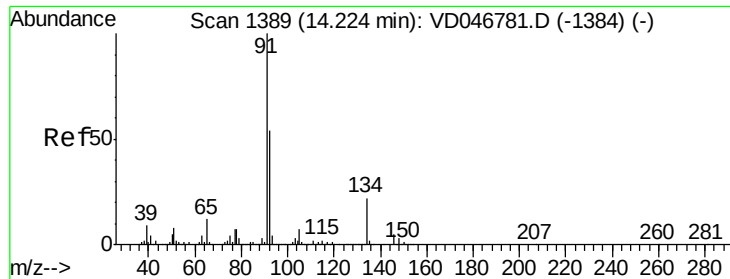
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 10.37 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.2	17.0	51.0
148	65.5	31.9	95.7





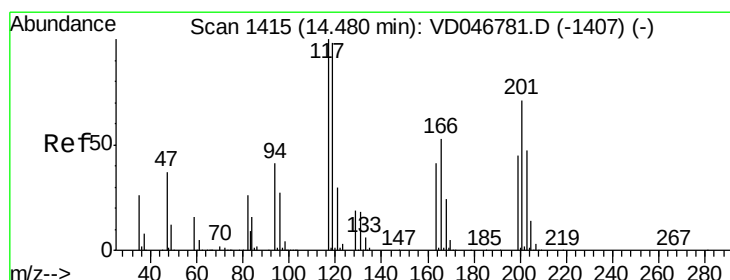
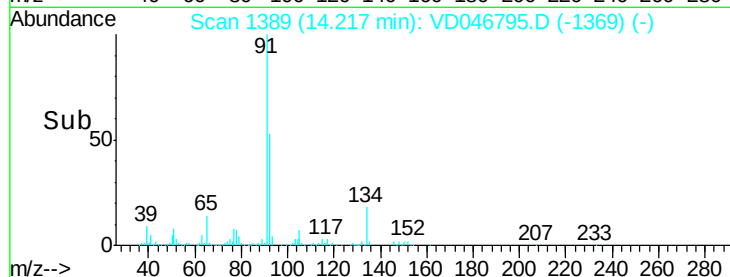
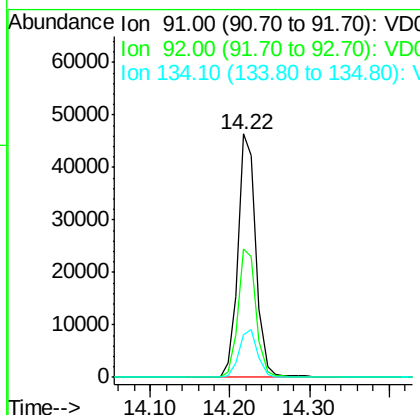
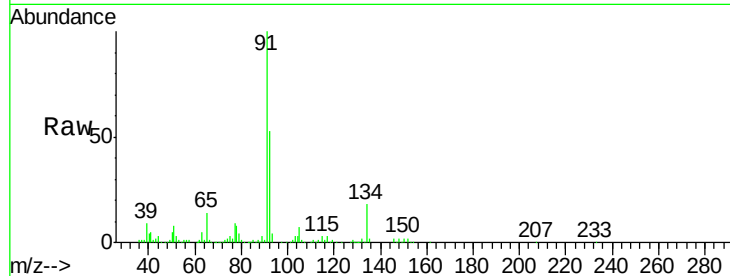
#89
n-Butylbenzene
Concen: 9.23 ug/l
RT: 14.22 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.1	81.2
134	17.7	9.6	28.6

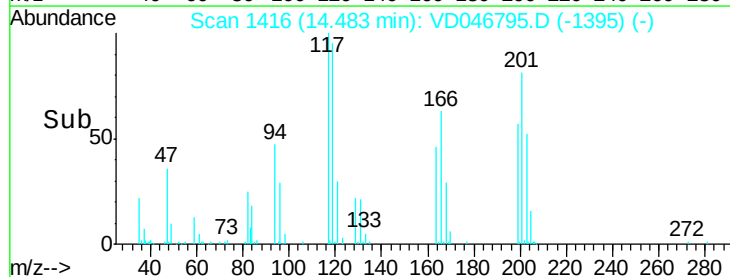
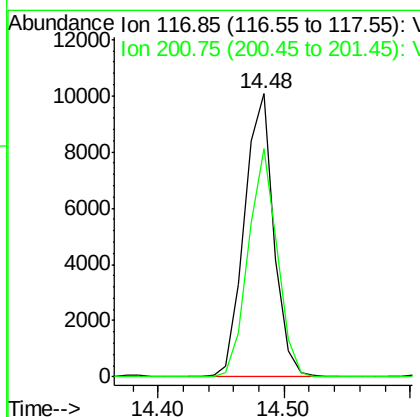
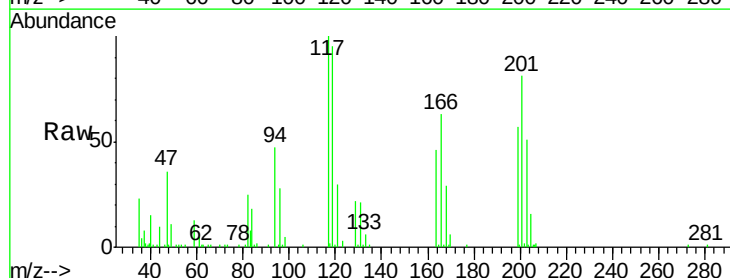
Manual Integrations
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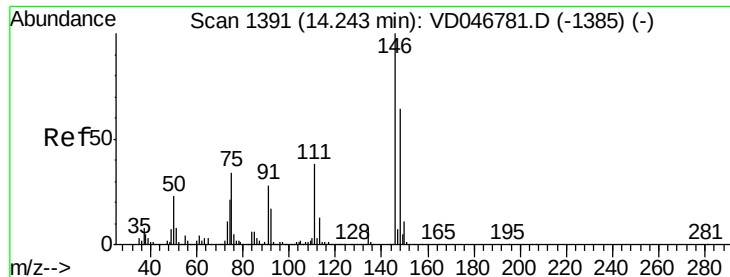
MMDadoda
9/21/2015 11:39:29 AM



#90
Hexachloroethane
Concen: 9.94 ug/l
RT: 14.48 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	41.0	123.0





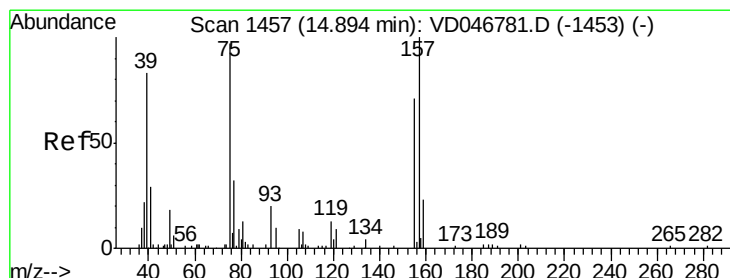
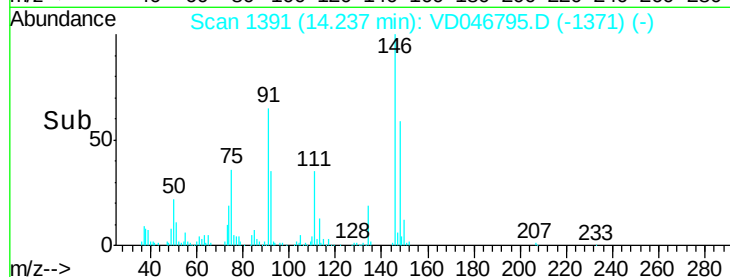
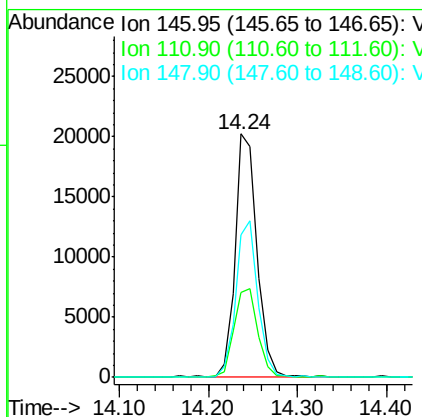
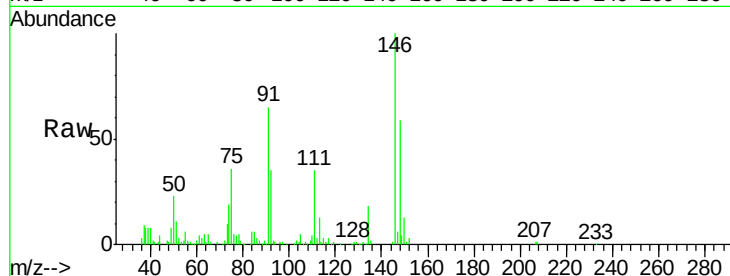
#91
 1,2-Dichlorobenzene
 Concen: 10.43 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	18.2	54.6
148	58.6	31.1	93.3

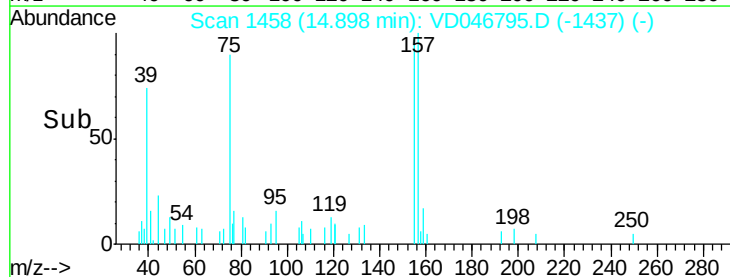
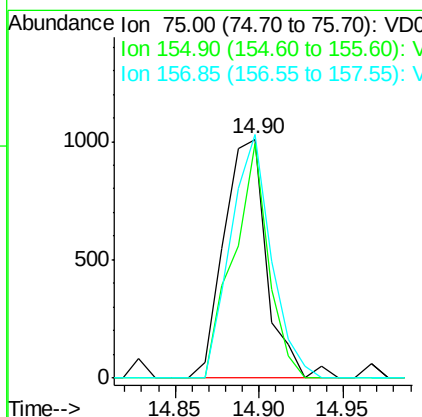
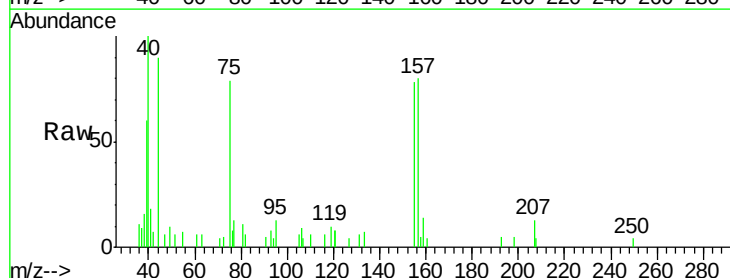
Manual Integrations
 APPROVED

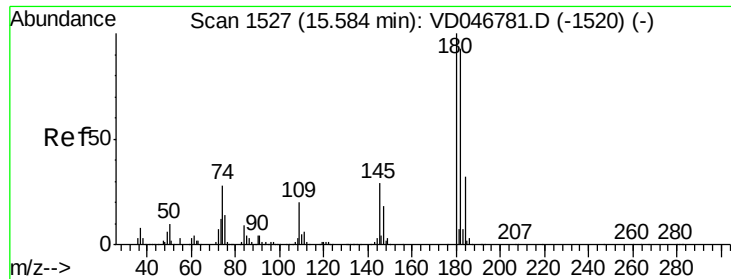
MMDadoda
 9/21/2015 11:39:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.09 ug/l
 RT: 14.90 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VD046795.D
 Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.3	41.4	124.4
157	101.9	65.0	195.1





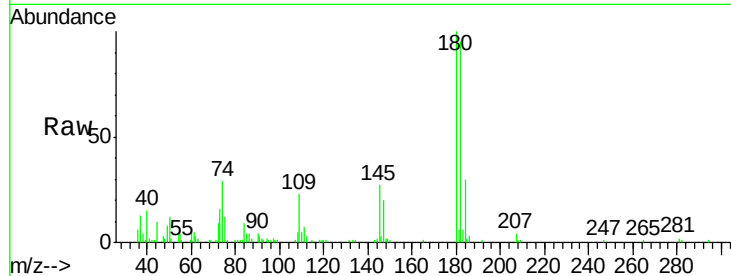
#93
1,2,4-Trichlorobenzene
Concen: 9.62 ug/l
RT: 15.58 min Scan# 1527
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL2015-02

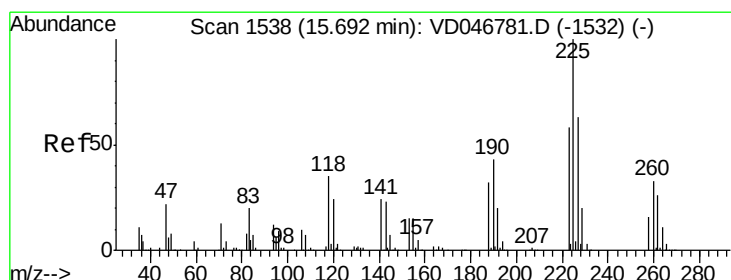
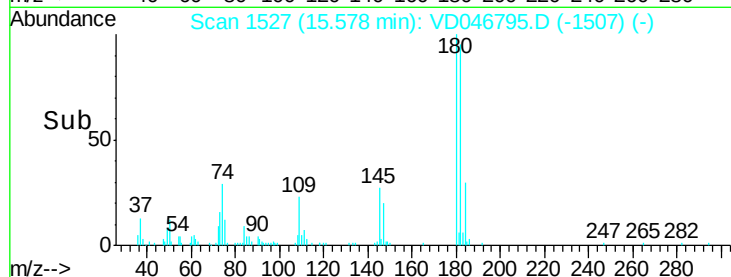
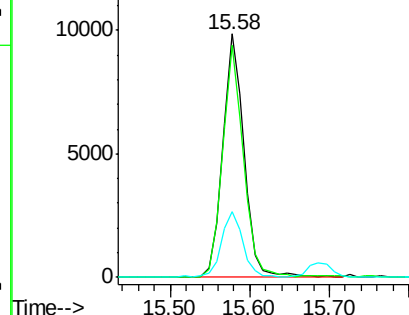
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	18607		
182	95.3	47.5	142.5	
145	27.0	14.6	44.0	

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:39:29 AM

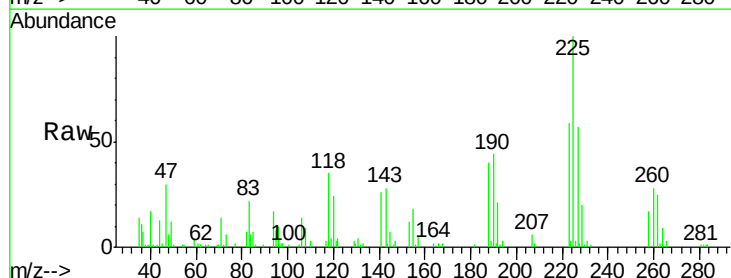


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

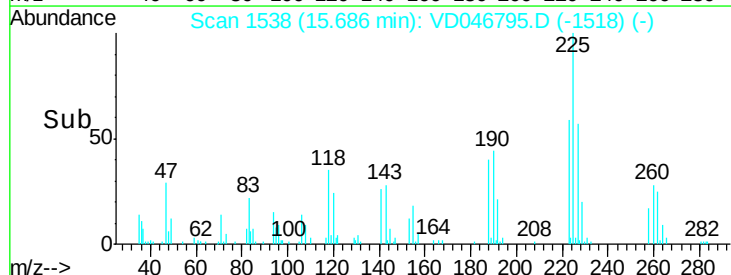
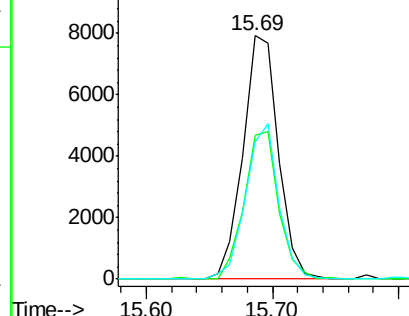


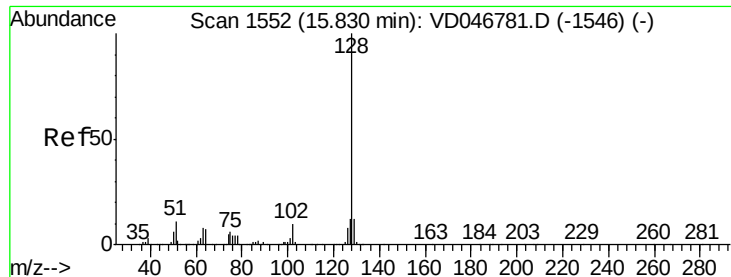
#94
Hexachlorobutadiene
Concen: 9.65 ug/l
RT: 15.69 min Scan# 1538
Delta R.T. -0.01 min
Lab File: VD046795.D
Acq: 18 Sep 2015 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15377		
223	59.2	30.4	91.2	
227	56.7	31.3	93.9	



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: 9.71 ug/l

RT: 15.82 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Instrument :

MSVOA_D

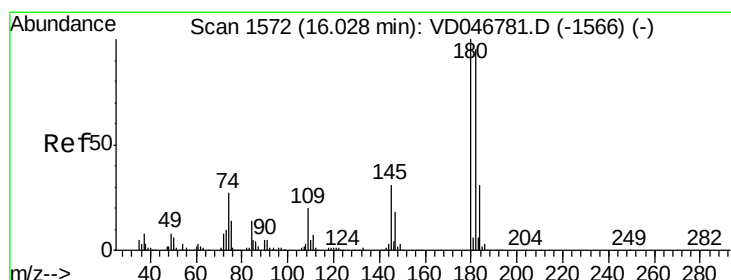
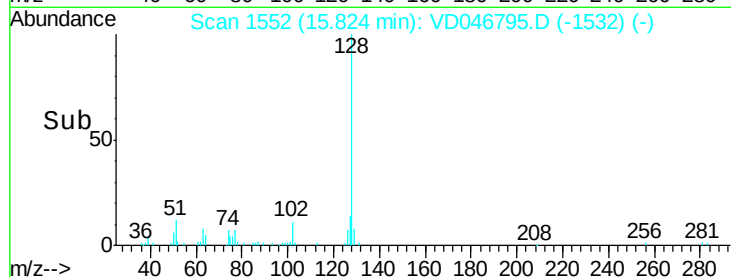
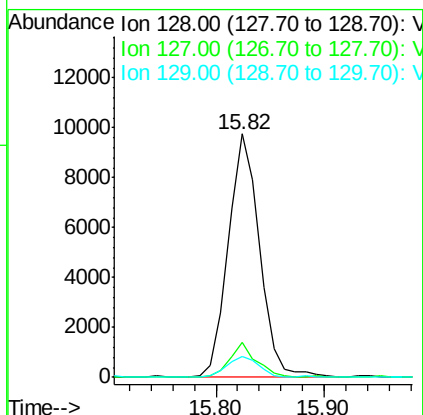
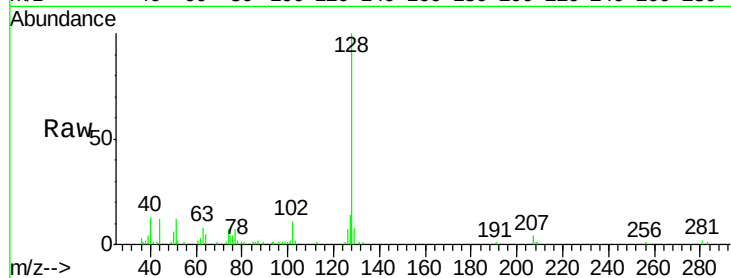
ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	128	Resp:	19721
Ion Ratio	Lower	Upper	
128	100		
127	14.5	9.8	14.6
129	8.4	8.6	12.8#

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:39:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 9.55 ug/l

RT: 16.02 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VD046795.D

Acq: 18 Sep 2015 21:34

Tgt Ion:	180	Resp:	15432
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.4	142.3
145	28.2	15.4	46.4

