

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046786.D
 Acq On : 18 Sep 2015 16:58
 Operator : FY/SY
 Sample : VD0918SBS01
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 18 19:14:10 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	6.32	168	199045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	248791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	240104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	127980	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	105094	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	6.22	113	105527	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
50) Toluene-d8	9.62	98	351187	57.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.38%	
62) 4-Bromofluorobenzene	12.85	95	139197	56.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.60%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.42	85	44125	21.82	ug/l	99
3) Chlorodifluoromethane	1.44	51	34525	19.49	ug/l #	93
4) Chloromethane	1.58	50	24792	21.13	ug/l	99
5) Vinyl Chloride	1.68	62	22729	20.63	ug/l	98
6) Bromomethane	1.98	94	22621	21.35	ug/l	98
7) Chloroethane	2.09	64	13884	20.13	ug/l	89
8) Trichlorofluoromethane	2.33	101	66419	20.38	ug/l	99
9) Diethyl Ether	2.64	74	12649	21.89	ug/l	75
10) 1,1,2-Trichlorotrifluoroet	2.90	101	42369	20.77	ug/l	96
11) Methyl Iodide	3.05	142	33873	15.46	ug/l	97
12) Tert butyl alcohol	3.68	59	9612	111.35	ug/l #	85
13) 1,1-Dichloroethene	2.89	96	33856	21.23	ug/l	90
14) Acrolein	2.79	56	10249	96.94	ug/l	97
15) Allyl chloride	3.34	41	67972	20.99	ug/l	96
16) Acrylonitrile	3.85	53	24694	102.19	ug/l	96
17) Acetone	2.96	43	36927	105.60	ug/l	99
18) Carbon Disulfide	3.13	76	121411	20.32	ug/l	99
19) Methyl Acetate	3.34	43	40641	20.06	ug/l	94
20) Methyl tert-butyl Ether	3.91	73	52131	20.87	ug/l	92
21) Methylene Chloride	3.51	84	40977	21.58	ug/l	94
22) trans-1,2-Dichloroethene	3.90	96	38254	21.27	ug/l	89
23) Diisopropyl ether	4.66	45	111844	20.81	ug/l #	89
24) Vinyl Acetate	4.61	43	106203	94.23	ug/l	97
25) 1,1-Dichloroethane	4.56	63	66702	20.15	ug/l	99
26) 2-Butanone	5.46	43	40360	102.70	ug/l #	92
27) 2,2-Dichloropropane	5.43	77	67516	19.85	ug/l	99
28) cis-1,2-Dichloroethene	5.44	96	38652	20.65	ug/l	88
29) Bromochloromethane	5.79	49	26687	20.46	ug/l	95
30) Chloroform	5.98	83	80849	20.13	ug/l	94
31) Cyclohexane	6.28	56	64846	20.87	ug/l	97
32) 1,1,1-Trichloroethane	6.19	97	73326	20.51	ug/l	94
36) 1,1-Dichloropropene	6.44	75	61158	21.03	ug/l	98
37) Ethyl Acetate	5.56	43	19713	21.11	ug/l #	93
38) Carbon Tetrachloride	6.42	117	63135	20.90	ug/l	98

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Manual Integrations
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 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	64156	21.78	ug/l	95
40) Benzene	6.73	78	155606	20.97	ug/l	99
41) Methacrylonitrile	5.78	41	10768	20.56	ug/l #	85
42) 1,2-Dichloroethane	6.84	62	49757	21.58	ug/l	100
43) Isopropyl Acetate	8.43	43	26582	21.59	ug/l #	91
44) Trichloroethene	7.76	130	39461	21.24	ug/l	98
45) 1,2-Dichloropropane	8.15	63	37671	20.49	ug/l	98
46) Dibromomethane	8.28	93	21747	20.83	ug/l	94
47) Bromodichloromethane	8.56	83	59008	21.53	ug/l	96
48) Methyl methacrylate	8.09	41	41292	21.94	ug/l	99
49) 1,4-Dioxane	8.30	88	2919	419.23	ug/l	87
51) 4-Methyl-2-Pentanone	9.49	43	96424	108.39	ug/l	92
52) Toluene	9.73	92	97836	21.37	ug/l	97
53) t-1,3-Dichloropropene	10.13	75	42337	20.92	ug/l	98
54) cis-1,3-Dichloropropene	9.24	75	55044	21.13	ug/l	93
55) 1,1,2-Trichloroethane	10.41	97	25305	21.35	ug/l	98
56) Ethyl methacrylate	10.25	69	22120	20.47	ug/l	92
57) 1,3-Dichloropropane	10.62	76	46075	20.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.04	63	60016	106.41	ug/l	100
59) 2-Hexanone	10.71	43	68114	105.98	ug/l	95
60) Dibromochloromethane	10.89	129	33866	20.82	ug/l	99
61) 1,2-Dibromoethane	11.02	107	24395	20.84	ug/l	92
64) Tetrachloroethene	10.48	164	40373	20.82	ug/l	95
65) Chlorobenzene	11.61	112	105659	20.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36913	19.89	ug/l	98
67) Ethyl Benzene	11.74	91	217133	21.38	ug/l	98
68) m/p-Xylenes	11.89	106	138692	43.31	ug/l	94
69) o-Xylene	12.29	106	62613	21.72	ug/l	94
70) Styrene	12.32	104	106792	21.37	ug/l	97
71) Bromoform	12.51	173	20196	20.43	ug/l	96
73) Isopropylbenzene	12.68	105	194899	21.60	ug/l	97
74) N-amyl acetate	12.51	43	38656	20.14	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.99	83	30223	20.76	ug/l	90
76) 1,2,3-Trichloropropane	13.04	75	31245	20.06	ug/l	97
77) Bromobenzene	12.98	156	47096	20.76	ug/l	92
78) n-propylbenzene	13.08	91	276637	21.71	ug/l	96
79) 2-Chlorotoluene	13.17	91	135224	19.12	ug/l	97
80) 1,3,5-Trimethylbenzene	13.26	105	153030	21.29	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.74	75	7542	20.03	ug/l	93
82) 4-Chlorotoluene	13.28	91	175584	20.86	ug/l	98
83) tert-Butylbenzene	13.54	119	127413m	19.66	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	153353	21.19	ug/l	97
85) sec-Butylbenzene	13.74	105	205341	21.55	ug/l	98
86) p-Isopropyltoluene	13.88	119	162851	21.75	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	88333	20.87	ug/l	96
88) 1,4-Dichlorobenzene	13.94	146	89308	21.22	ug/l	97
89) n-Butylbenzene	14.22	91	183660	21.72	ug/l	99
90) Hexachloroethane	14.48	117	36718	21.15	ug/l	88
91) 1,2-Dichlorobenzene	14.24	146	76491	21.51	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.89	75	3778	20.19	ug/l	88

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ClientSampleId :
VD0918SBS01

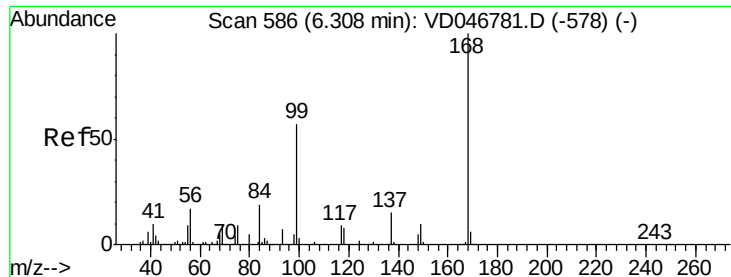
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:47:18 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	43172	21.09	ug/l	93
94) Hexachlorobutadiene	15.69	225	35477	21.05	ug/l	99
95) Naphthalene	15.83	128	50610	20.16	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	36410	21.28	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.32 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion:168 Resp: 199045

Ion Ratio Lower Upper

168 100

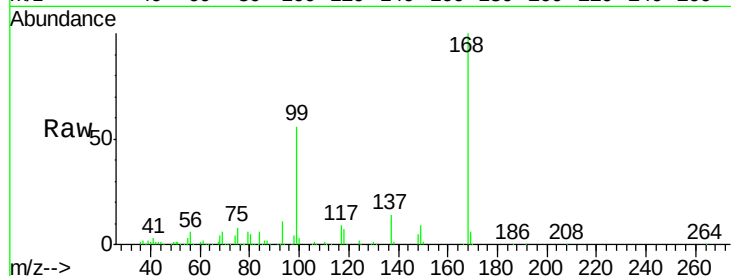
99 55.9 42.4 63.6

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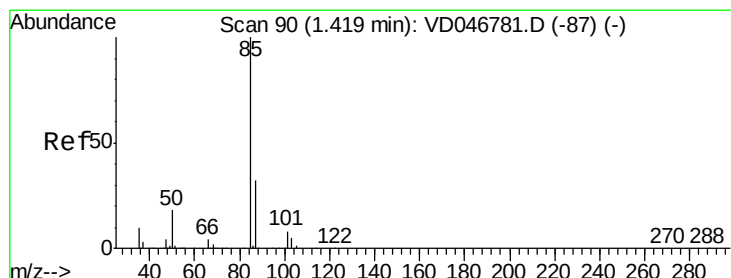
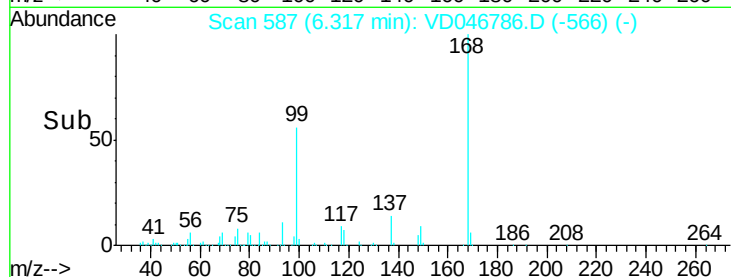
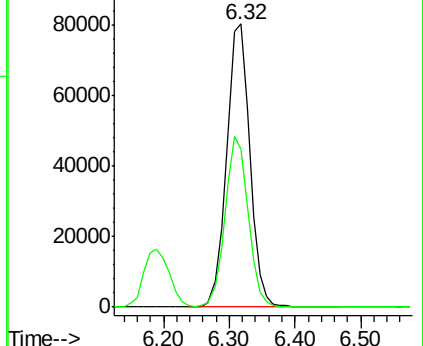
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.82 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VD046786.D

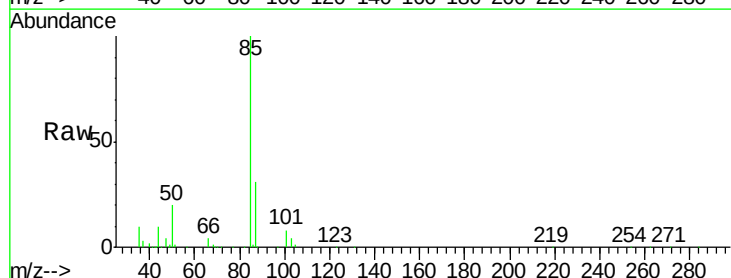
Acq: 18 Sep 2015 16:58

Tgt Ion: 85 Resp: 44125

Ion Ratio Lower Upper

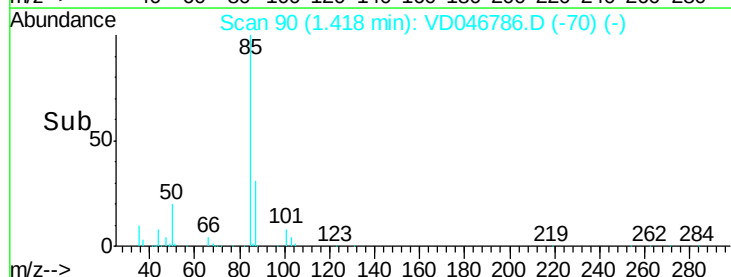
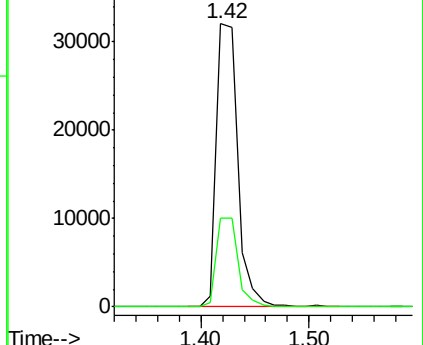
85 100

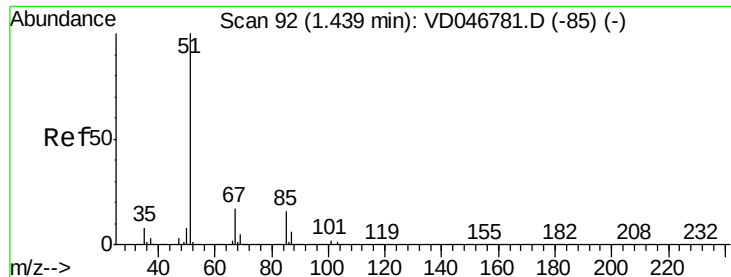
87 31.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 19.49 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 51 Resp: 34525
Ion Ratio Lower Upper

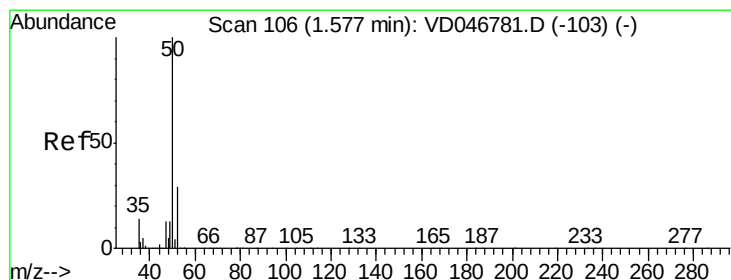
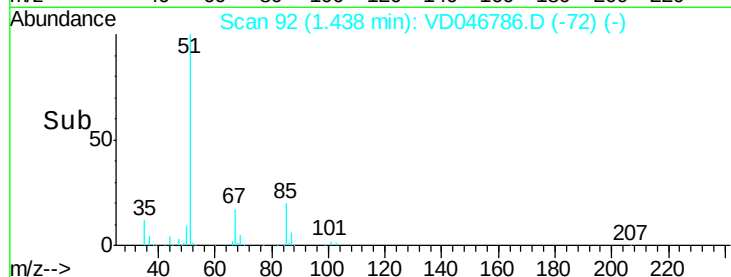
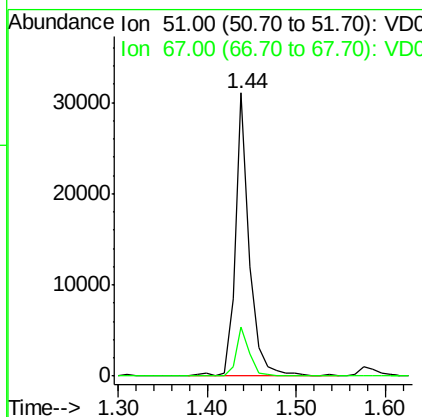
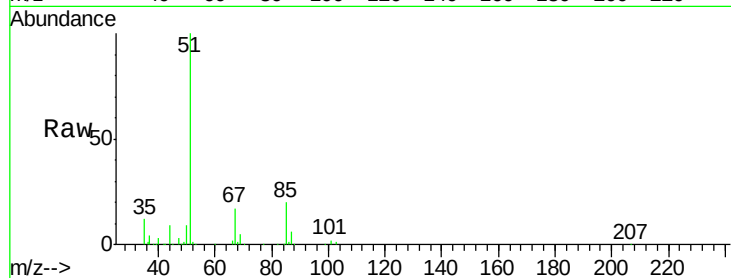
51 100

67 16.6 10.9 16.3#

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#4

Chloromethane

Concen: 21.13 ug/l

RT: 1.58 min Scan# 106

Delta R.T. -0.00 min

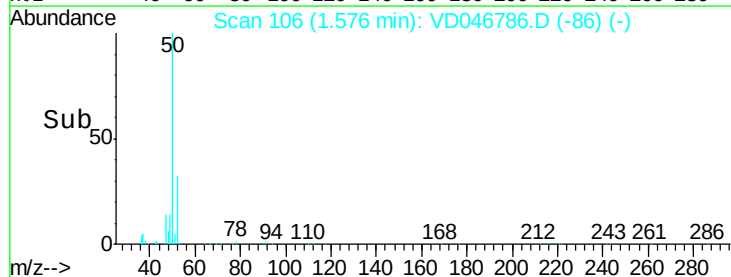
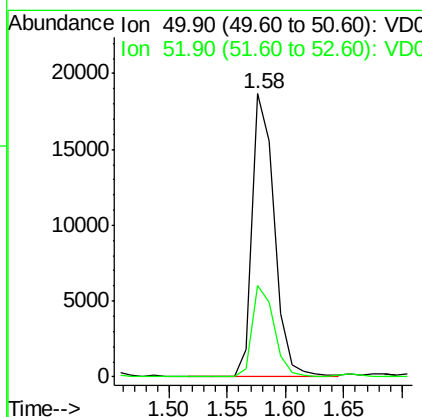
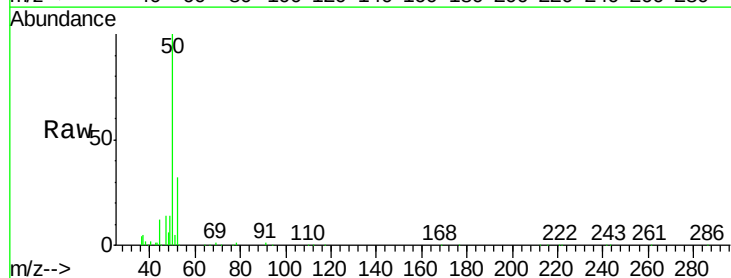
Lab File: VD046786.D

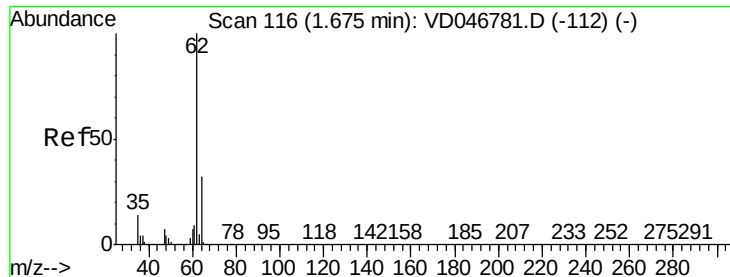
Acq: 18 Sep 2015 16:58

Tgt Ion: 50 Resp: 24792
Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2





#5

Vinyl Chloride

Concen: 20.63 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 62 Resp: 22729

Ion Ratio Lower Upper

62 100

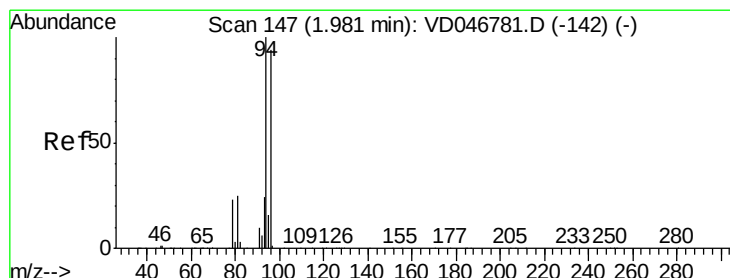
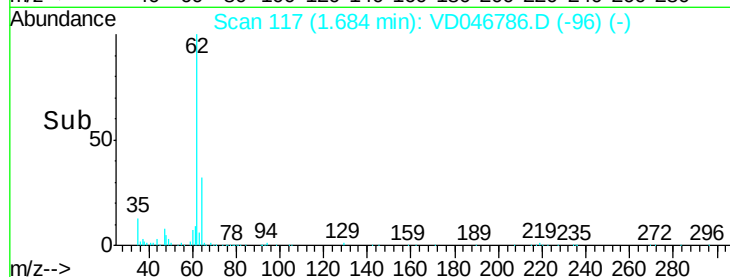
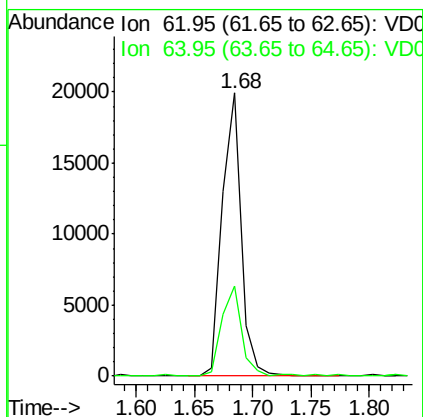
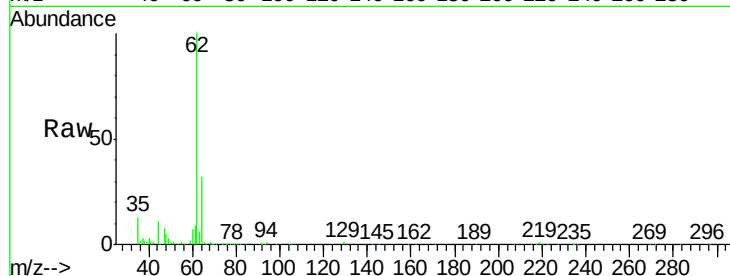
64 32.0 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 21.35 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD046786.D

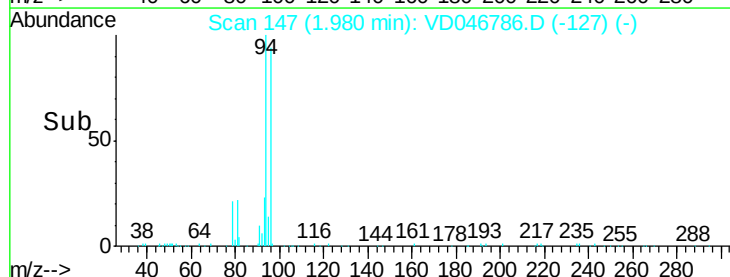
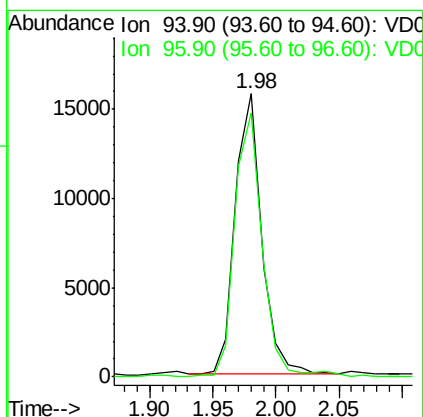
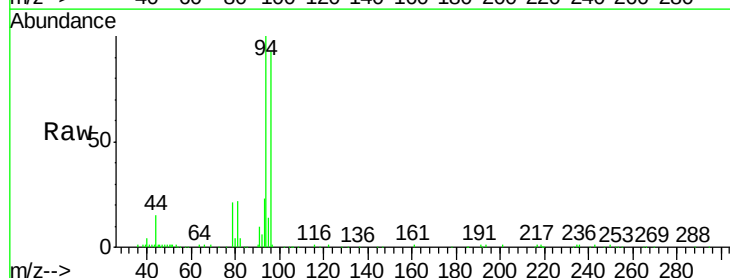
Acq: 18 Sep 2015 16:58

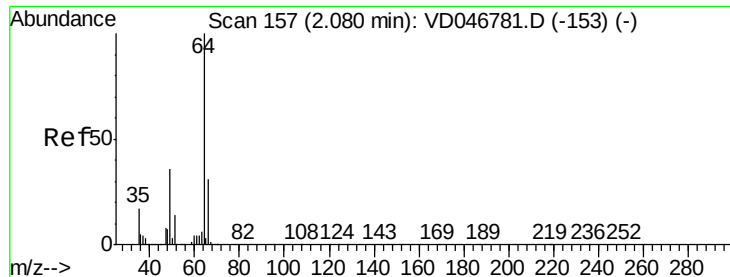
Tgt Ion: 94 Resp: 22621

Ion Ratio Lower Upper

94 100

96 93.4 76.0 114.0





#7

Chloroethane

Concen: 20.13 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 64 Resp: 13884

Ion Ratio Lower Upper

64 100

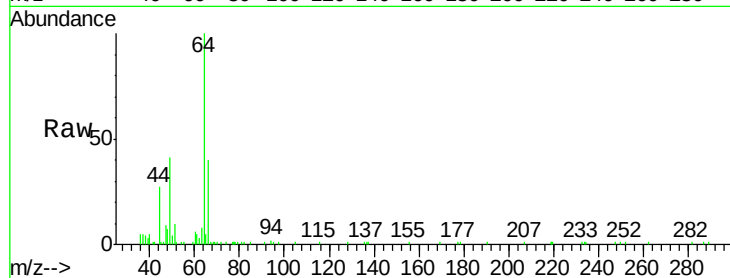
66 39.6 26.6 39.8

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Abundance Ion 63.95 (63.65 to 64.65): VD046786.D (-153) (-)

Ion 65.90 (65.60 to 66.60): VD046786.D (-153) (-)

2.09

10000

8000

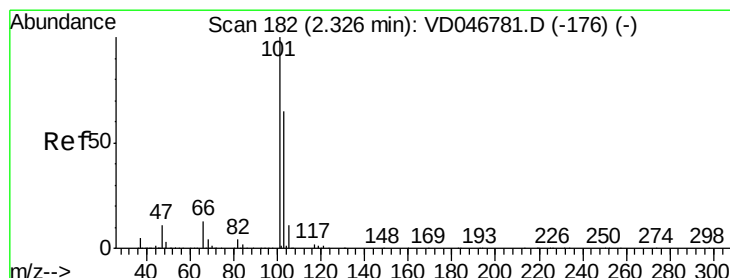
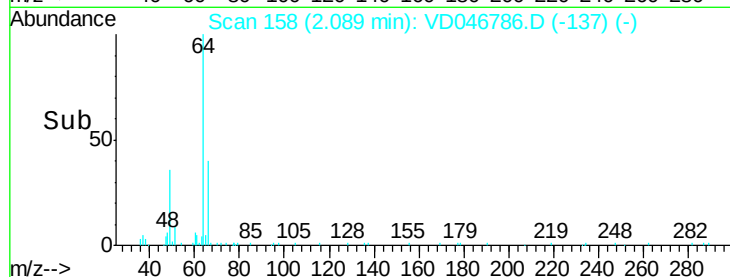
6000

4000

2000

0

Time-->



#8

Trichlorofluoromethane

Concen: 20.38 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD046786.D

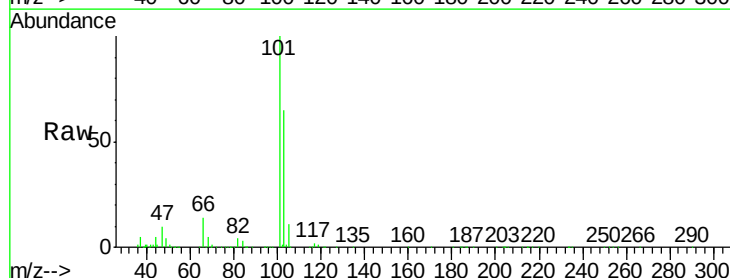
Acq: 18 Sep 2015 16:58

Tgt Ion: 101 Resp: 66419

Ion Ratio Lower Upper

101 100

103 65.3 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): VD046786.D (-176) (-)

Ion 102.85 (102.55 to 103.55): VD046786.D (-176) (-)

2.33

40000

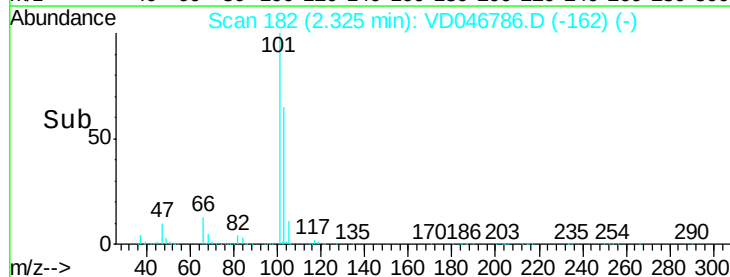
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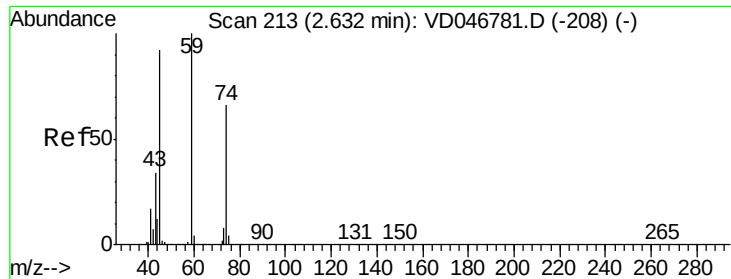
20000

10000

0

Time-->





#9

Diethyl Ether

Concen: 21.89 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 74 Resp: 12649

Ion Ratio Lower Upper

74 100

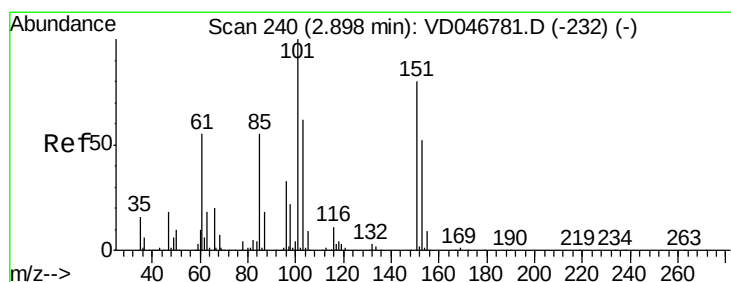
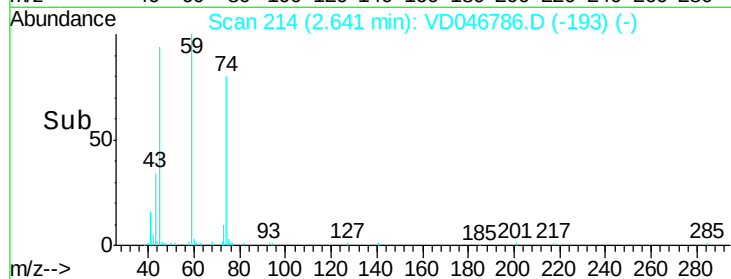
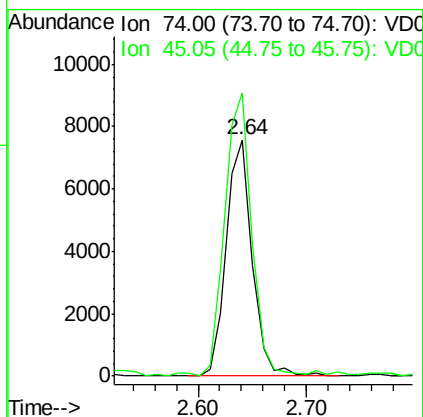
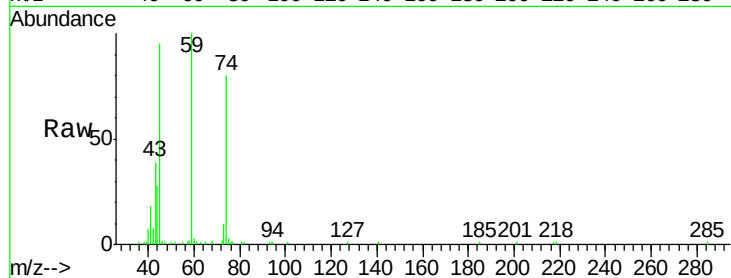
45 119.8 76.2 228.6

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 20.77 ug/l

RT: 2.90 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

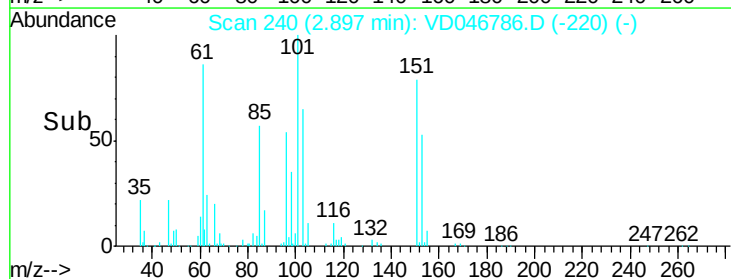
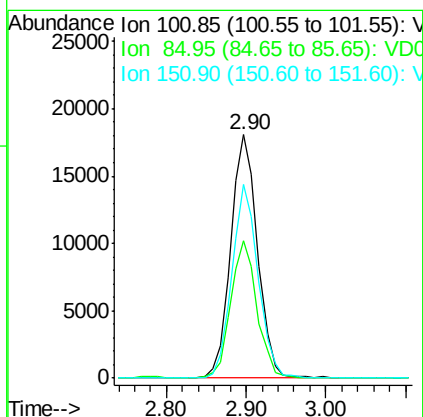
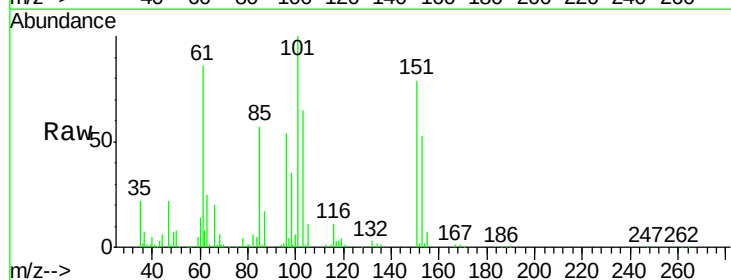
Tgt Ion: 101 Resp: 42369

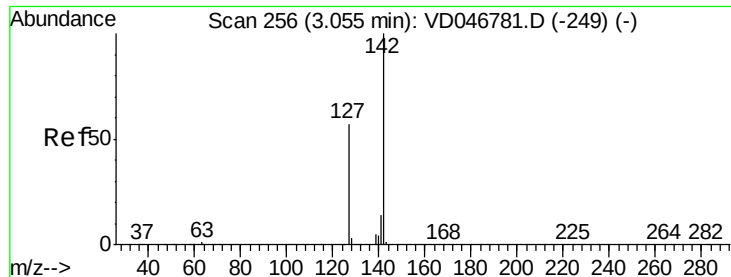
Ion Ratio Lower Upper

101 100

85 56.6 42.0 63.0

151 79.3 65.2 97.8





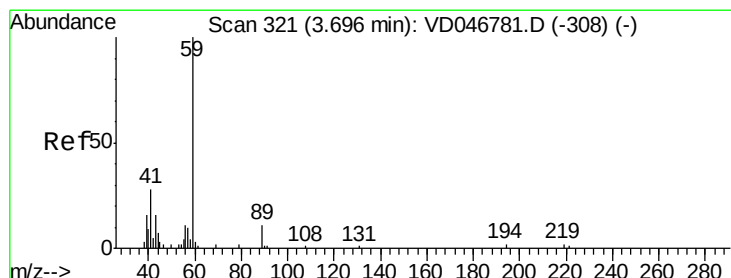
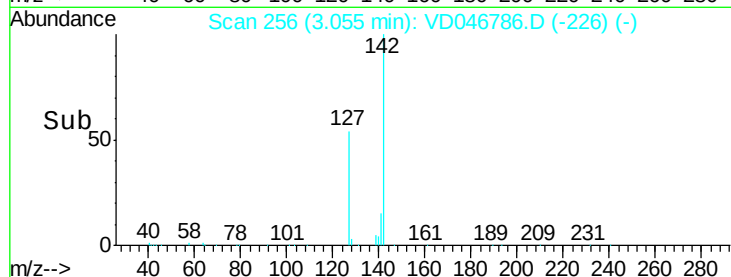
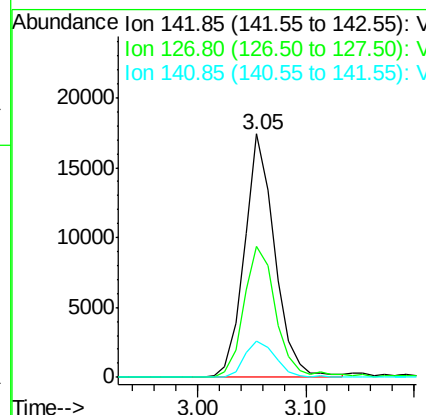
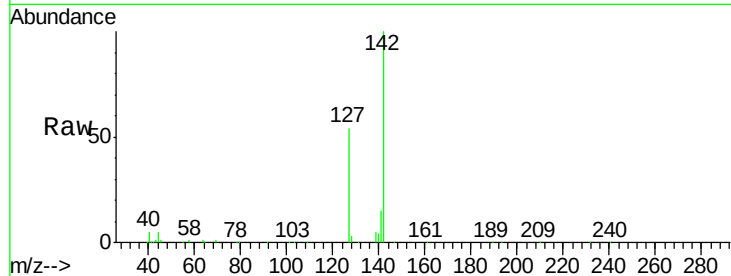
#11
Methyl Iodide
Concen: 15.46 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	53.9	41.2	61.8
141	15.1	11.6	17.4

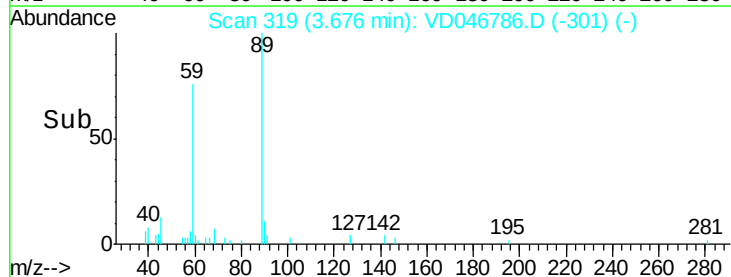
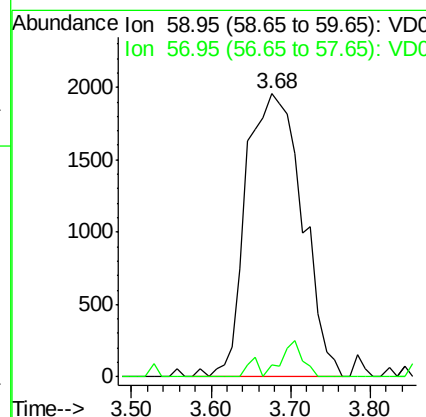
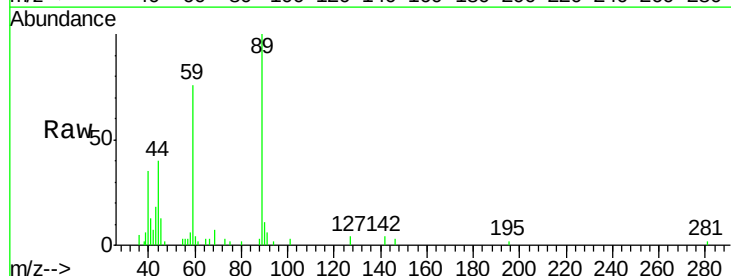
Manual Integrations
APPROVED

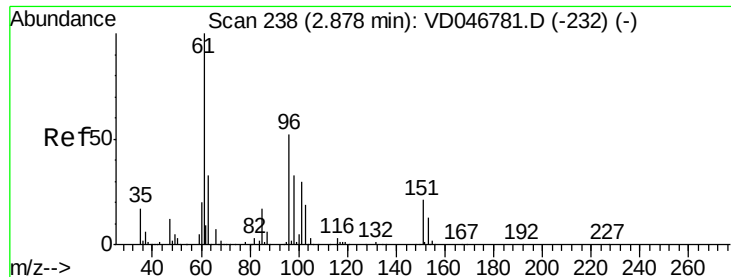
MMDadoda
9/21/2015 11:39:11 AM



#12
Tert butyl alcohol
Concen: 111.35 ug/l
RT: 3.68 min Scan# 319
Delta R.T. -0.02 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
59	100		
57	4.1	7.8	11.6#





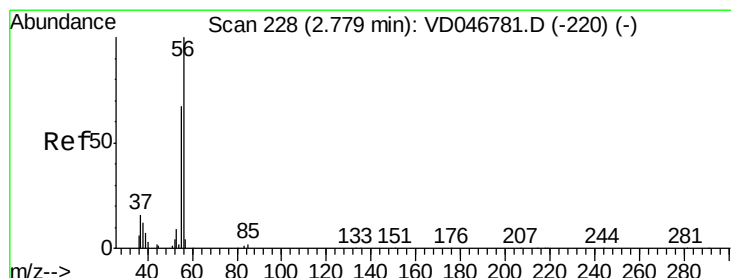
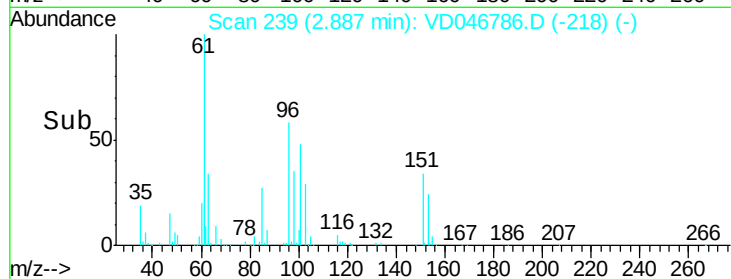
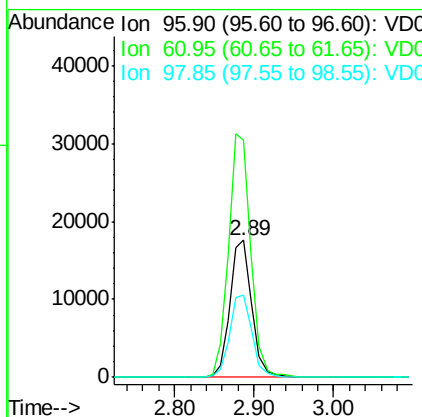
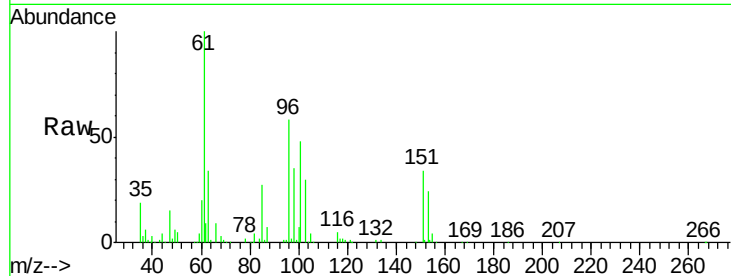
#13
1,1-Dichloroethene
Concen: 21.23 ug/l
RT: 2.89 min Scan# 239
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.0	152.2	228.4
98	60.0	51.2	76.8

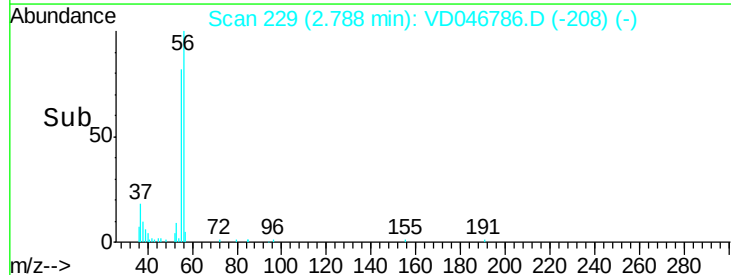
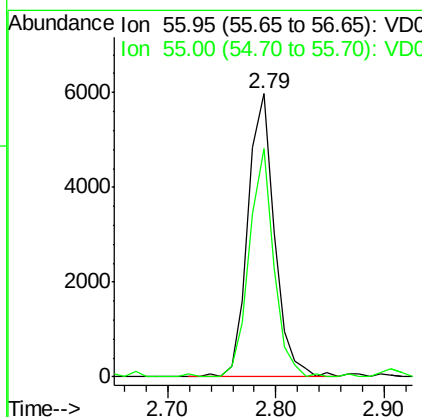
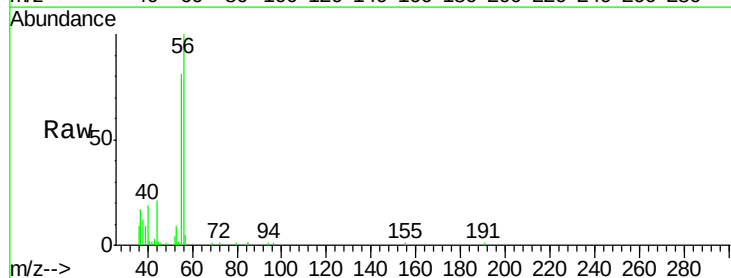
Manual Integrations
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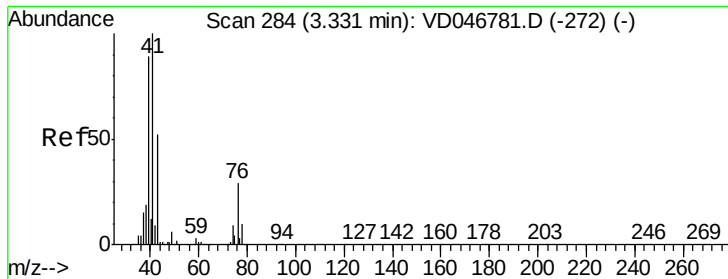
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9/21/2015 11:39:11 AM



#14
Acrolein
Concen: 96.94 ug/l
RT: 2.79 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
56	100		
55	80.8	62.6	93.8





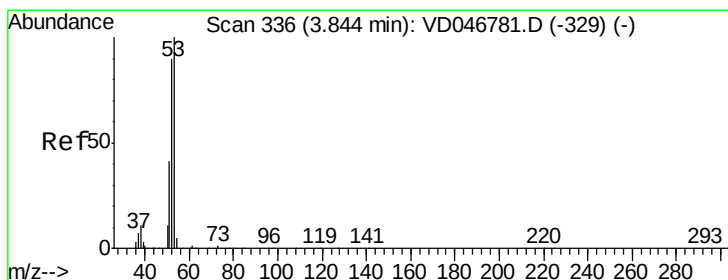
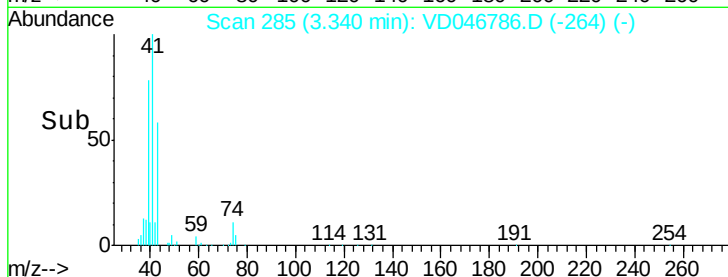
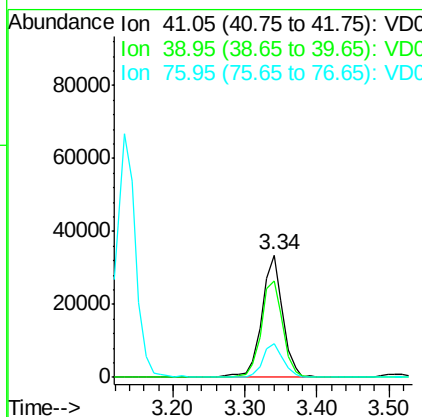
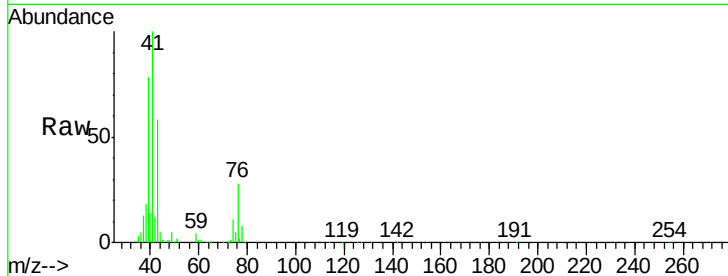
#15
 Allyl chloride
 Concen: 20.99 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.4	58.8	88.2
76	28.0	22.7	34.1

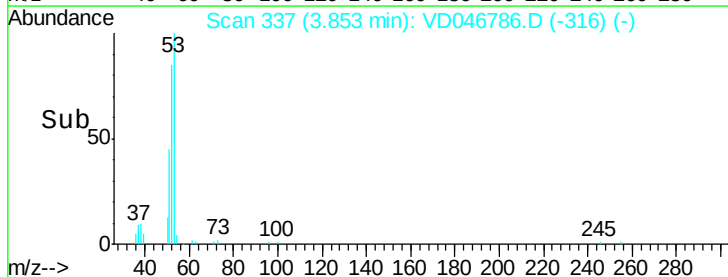
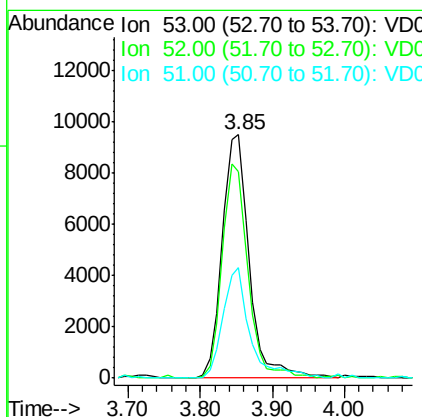
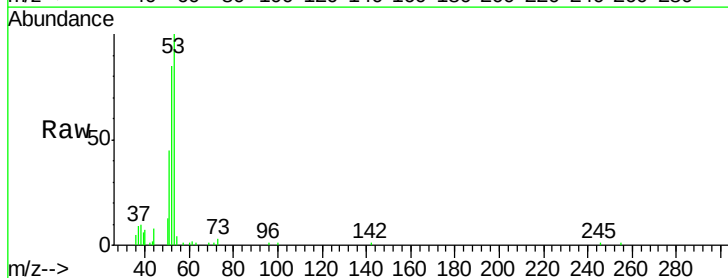
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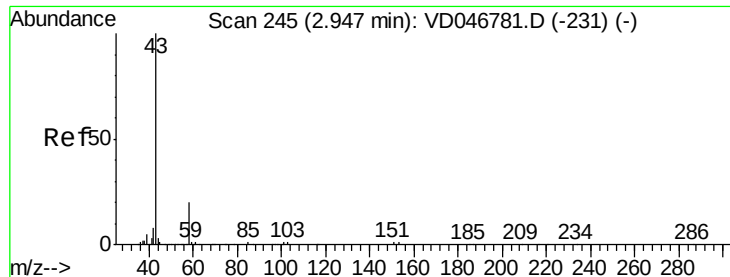
MMDadoda
 9/21/2015 11:39:11 AM



#16
 Acrylonitrile
 Concen: 102.19 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.8	100.2
51	45.3	31.2	46.8





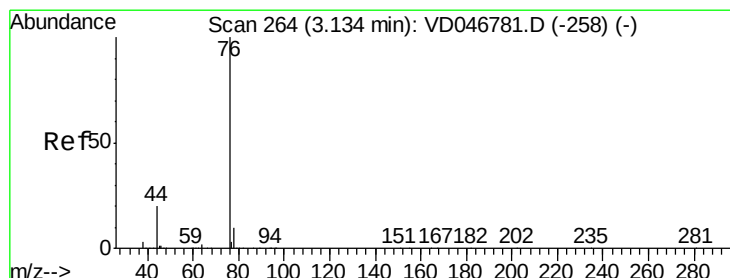
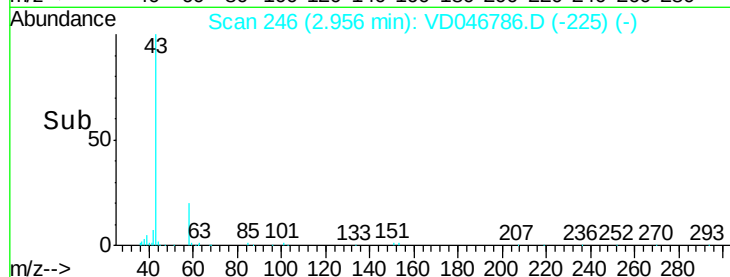
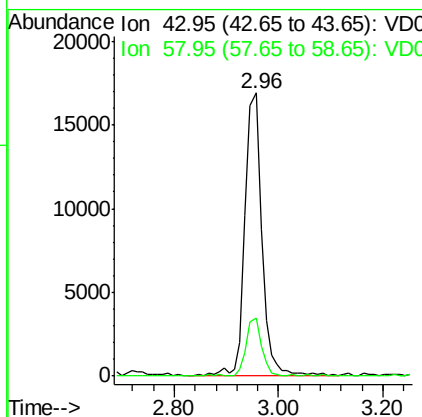
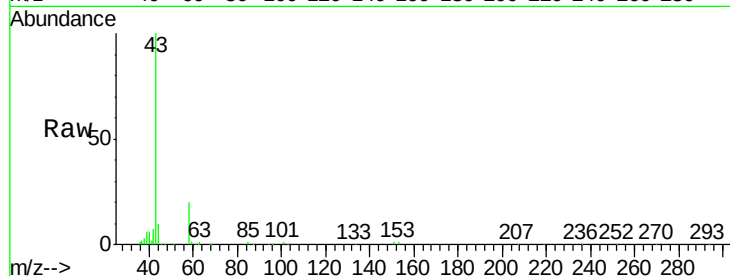
#17
Acetone
Concen: 105.60 ug/l
RT: 2.96 min Scan# 246
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion: 43 Resp: 36927
Ion Ratio Lower Upper
43 100
58 20.4 16.6 24.8

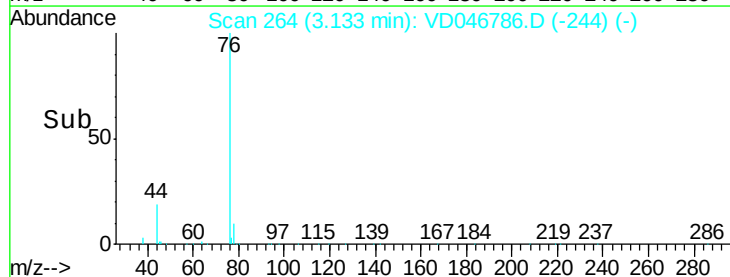
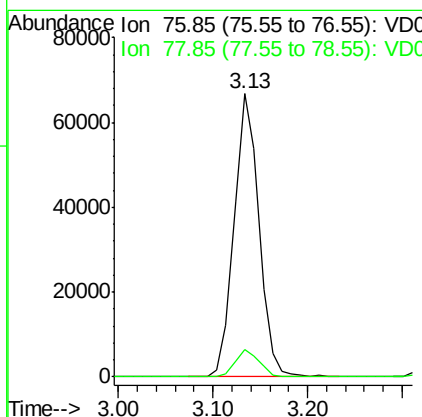
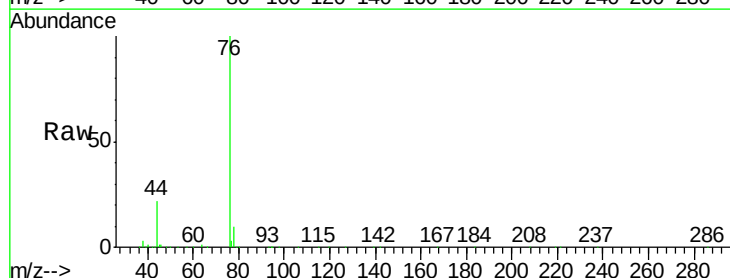
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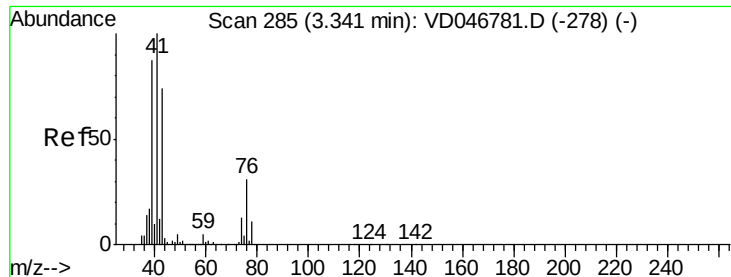
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#18
Carbon Disulfide
Concen: 20.32 ug/l
RT: 3.13 min Scan# 264
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 76 Resp: 121411
Ion Ratio Lower Upper
76 100
78 9.7 8.0 12.0





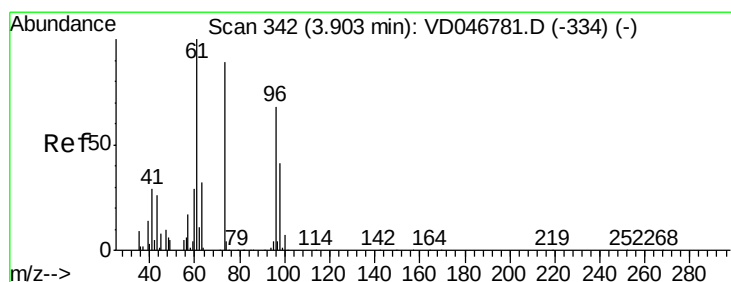
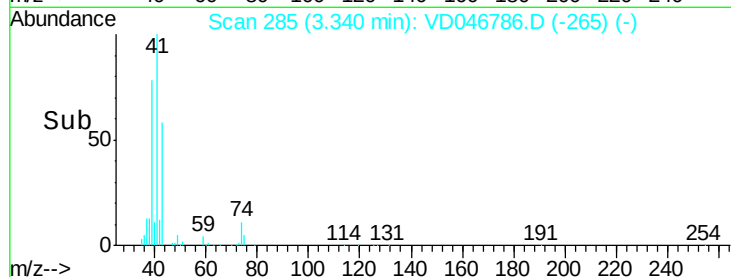
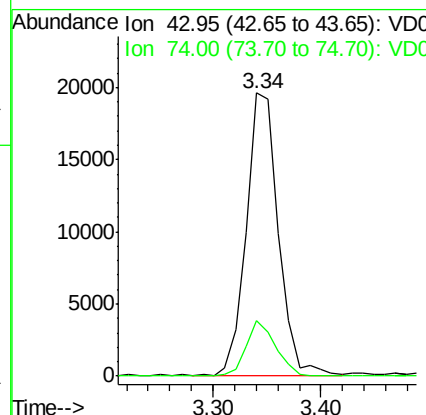
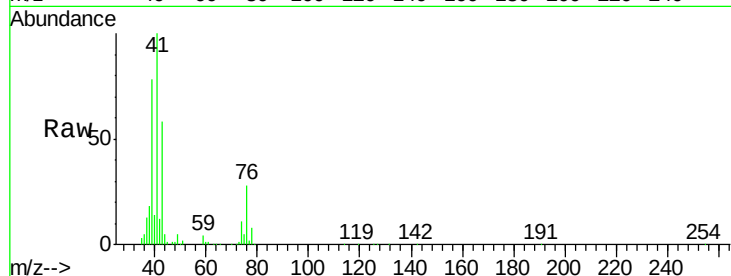
#19
Methyl Acetate
Concen: 20.06 ug/l
RT: 3.34 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion: 43 Resp: 40641
Ion Ratio Lower Upper
43 100
74 19.5 13.7 20.5

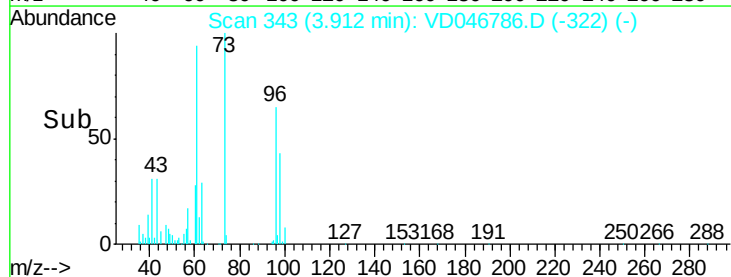
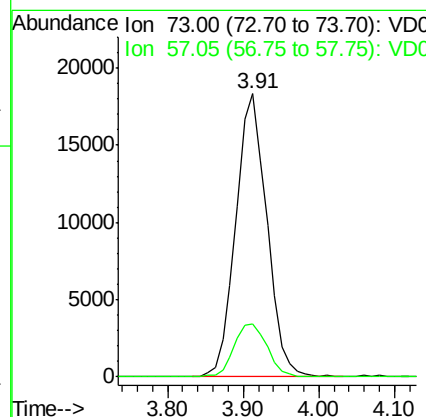
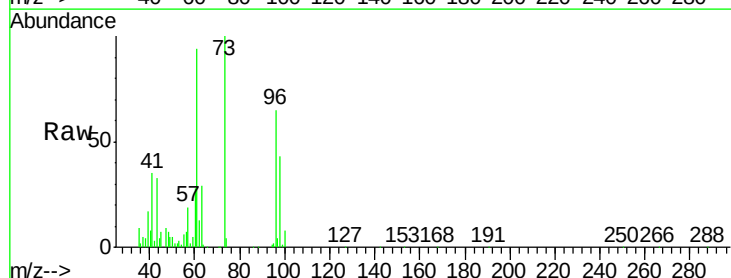
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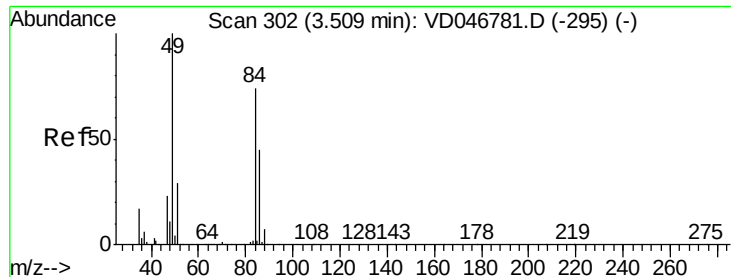
MMDadoda
9/21/2015 11:39:11 AM



#20
Methyl tert-butyl Ether
Concen: 20.87 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 73 Resp: 52131
Ion Ratio Lower Upper
73 100
57 18.9 18.1 27.1





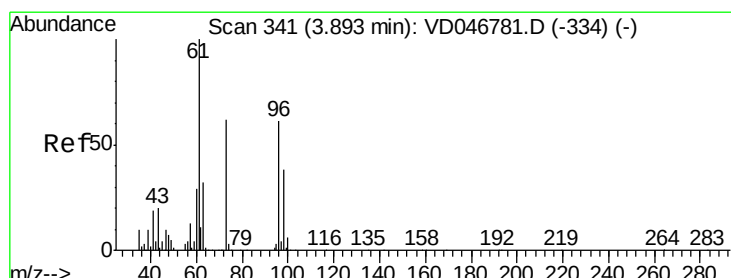
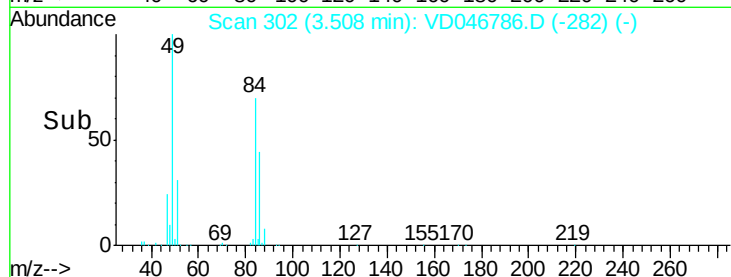
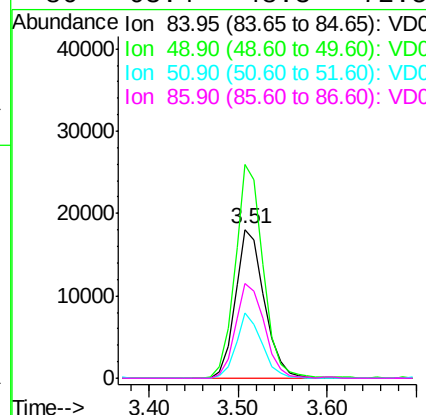
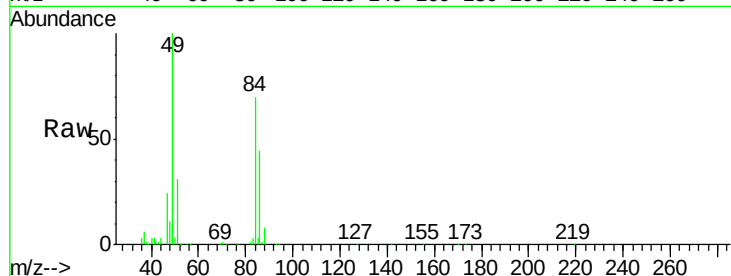
#21
Methylene Chloride
Concen: 21.58 ug/l
RT: 3.51 min Scan# 302
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.5	122.1	183.1
51	44.1	33.6	50.4
86	63.4	48.3	72.5

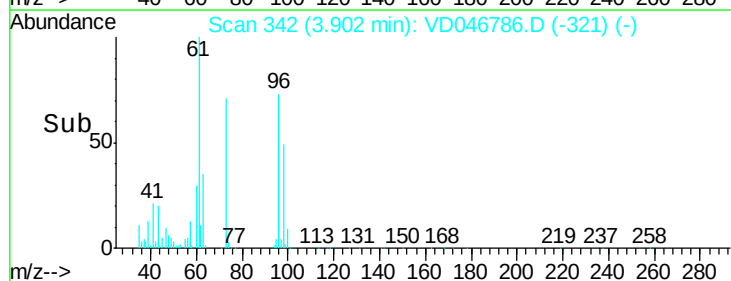
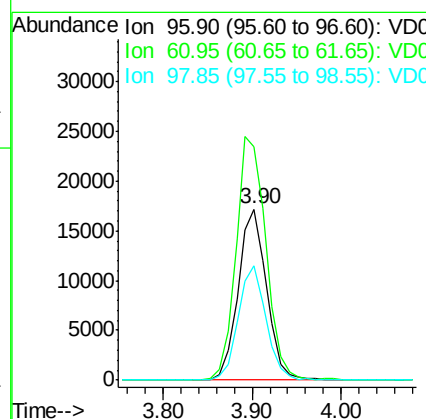
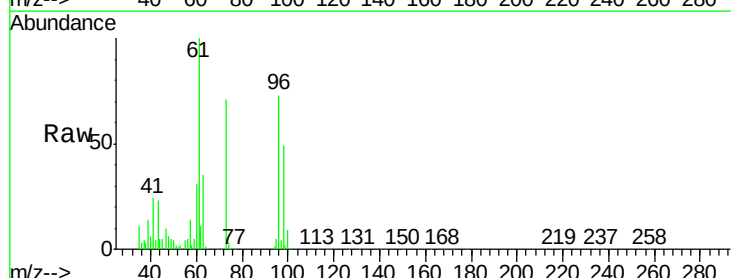
Manual Integrations
APPROVED

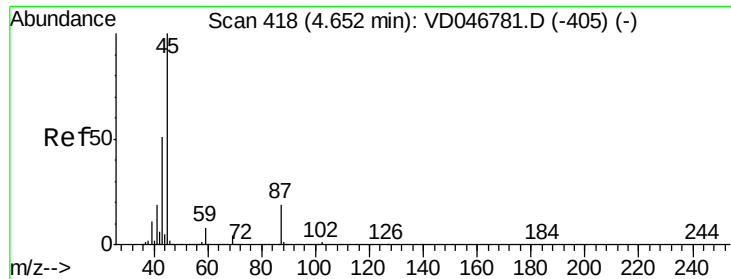
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 21.27 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.8	125.8	188.6
98	67.0	54.5	81.7





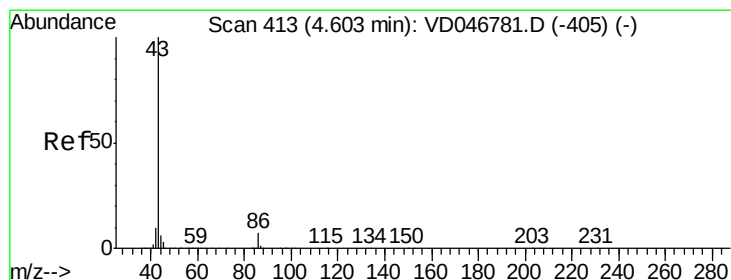
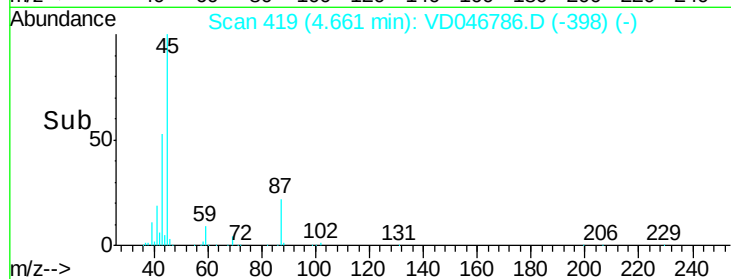
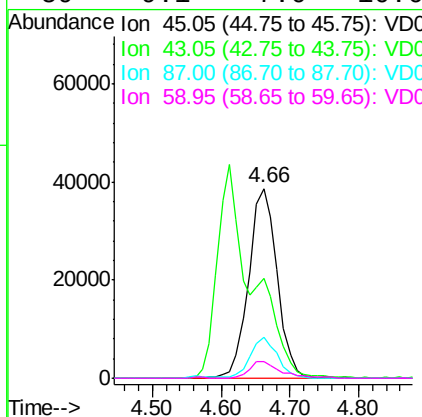
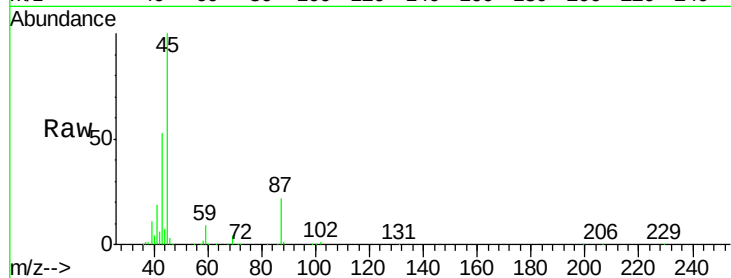
#23
Diisopropyl ether
Concen: 20.81 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.6	35.9	53.9
87	21.7	13.0	19.6
59	9.1	7.0	10.6

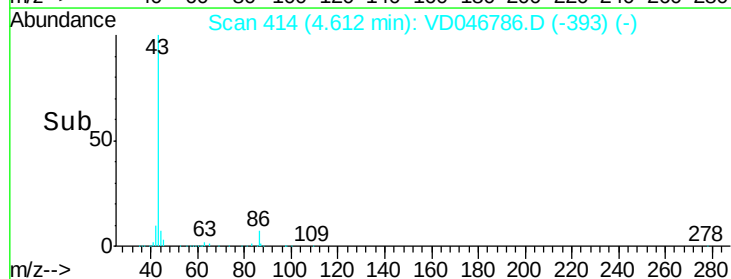
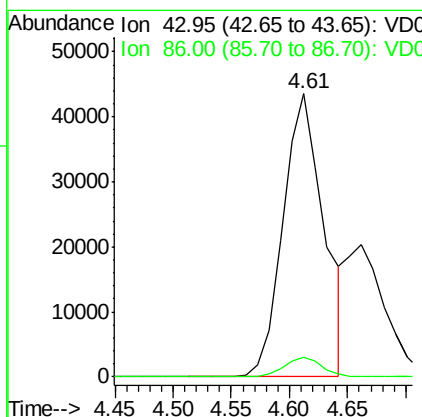
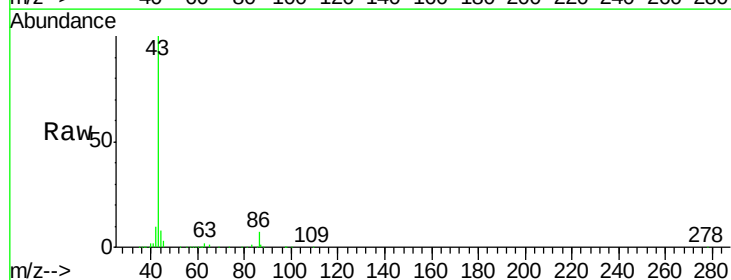
Manual Integrations
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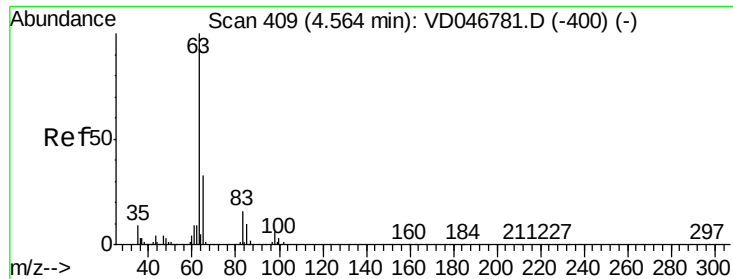
MMDadoda
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#24
Vinyl Acetate
Concen: 94.23 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.2	4.9	7.3





#25

1,1-Dichloroethane

Concen: 20.15 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

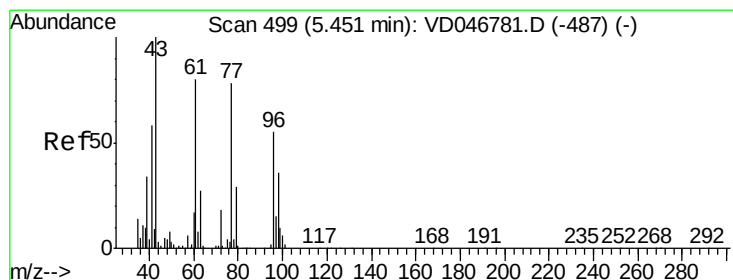
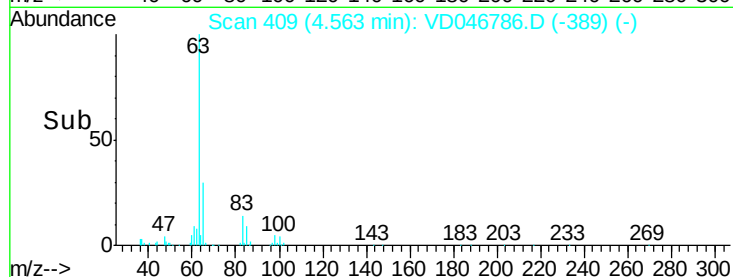
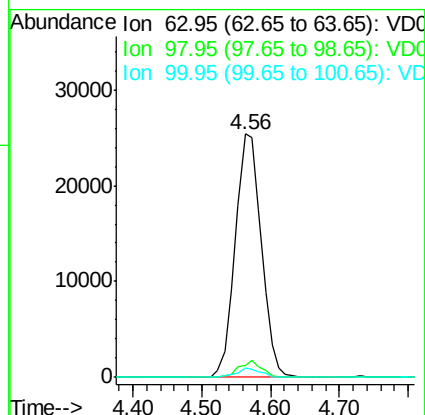
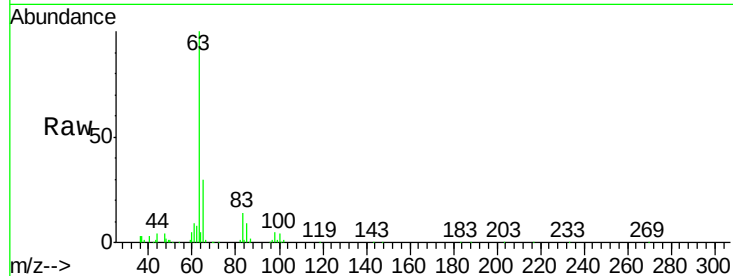
ClientSampleId :

VD0918SBS01

Tgt Ion:	63	Resp:	66702
Ion Ratio	Lower	Upper	
63	100		
98	5.1	2.5	7.5
100	3.6	1.5	4.5

Manual Integrations
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#26

2-Butanone

Concen: 102.70 ug/l

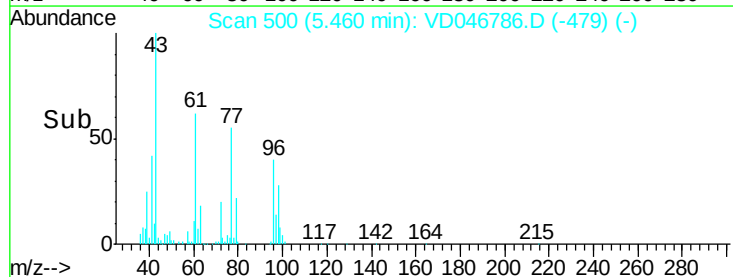
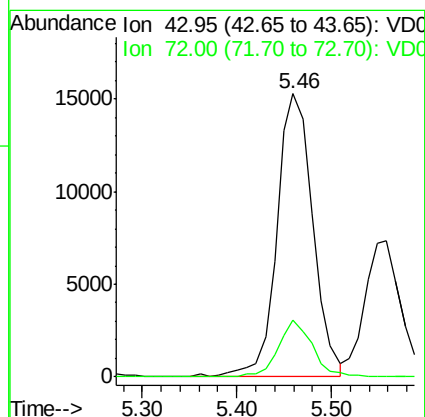
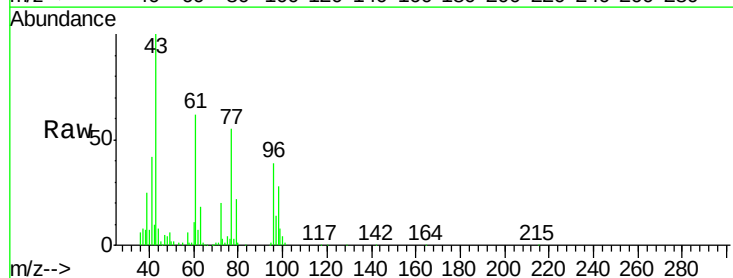
RT: 5.46 min Scan# 500

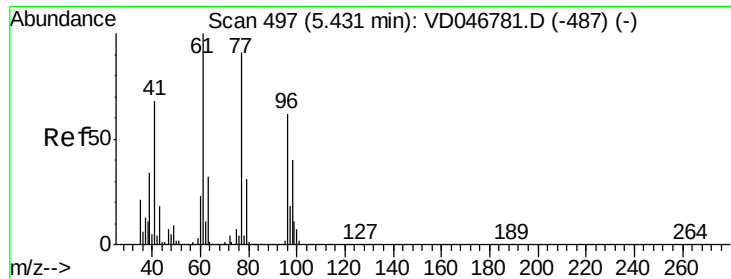
Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion:	43	Resp:	40360
Ion Ratio	Lower	Upper	
43	100		
72	20.1	13.4	20.0#





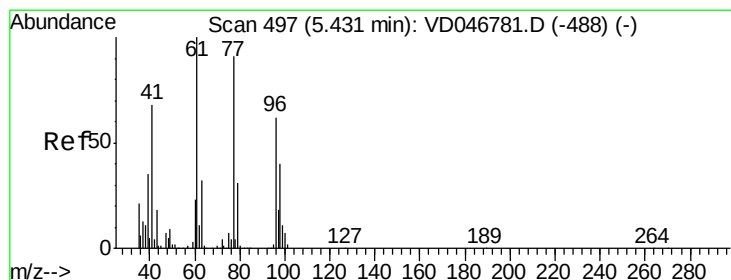
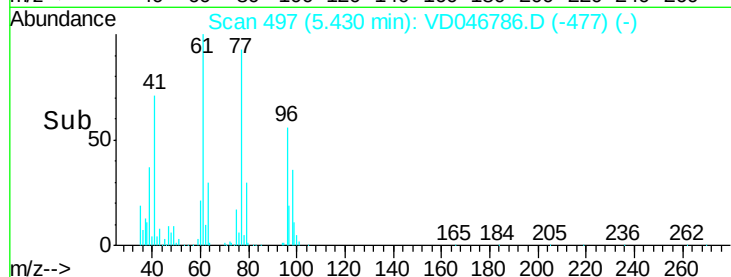
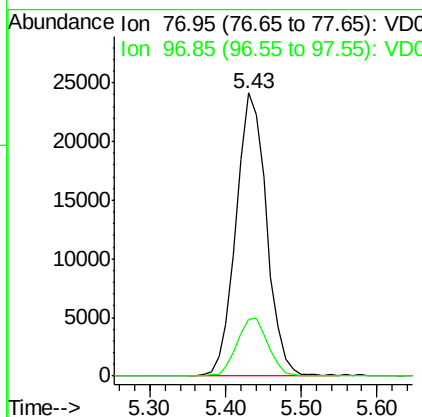
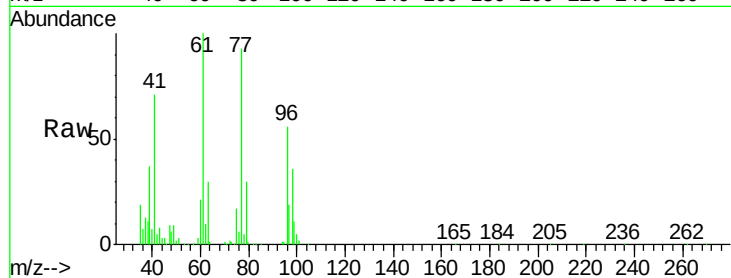
#27
 2,2-Dichloropropane
 Concen: 19.85 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tgt Ion: 77 Resp: 67516
 Ion Ratio Lower Upper
 77 100
 97 20.1 10.4 31.1

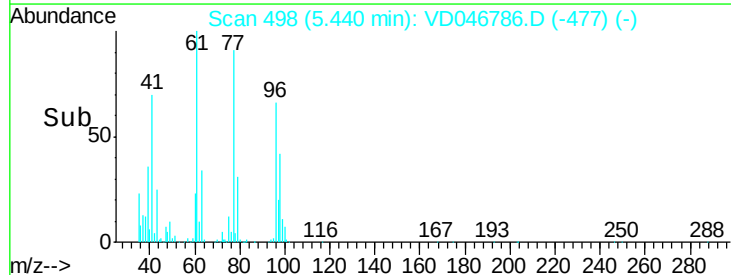
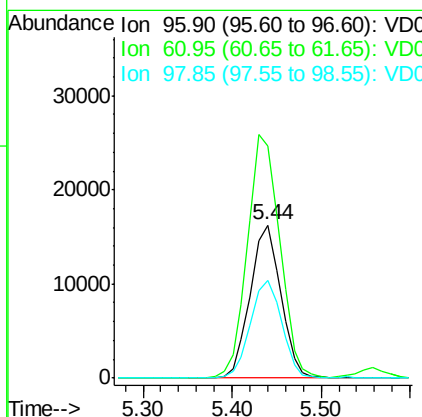
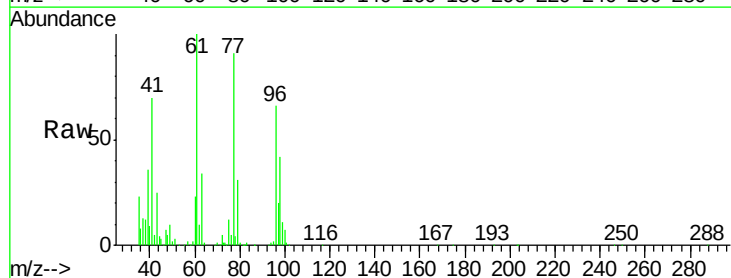
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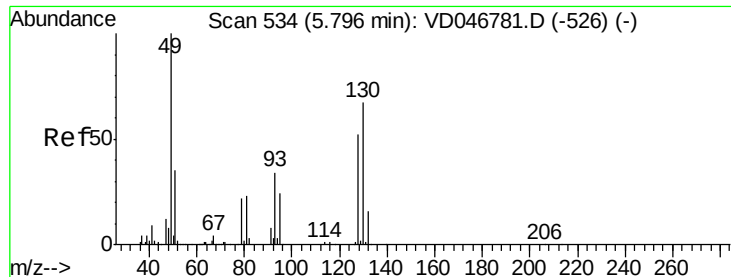
MMDadoda
 9/21/2015 11:39:11 AM



#28
 cis-1,2-Dichloroethene
 Concen: 20.65 ug/l
 RT: 5.44 min Scan# 498
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion: 96 Resp: 38652
 Ion Ratio Lower Upper
 96 100
 61 151.3 0.0 348.0
 98 63.8 0.0 128.8





#29

Bromochloromethane

Concen: 20.46 ug/l

RT: 5.79 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

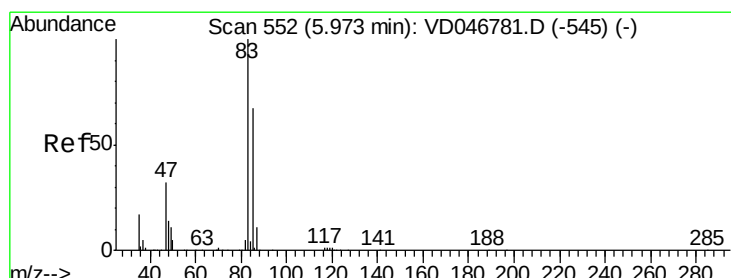
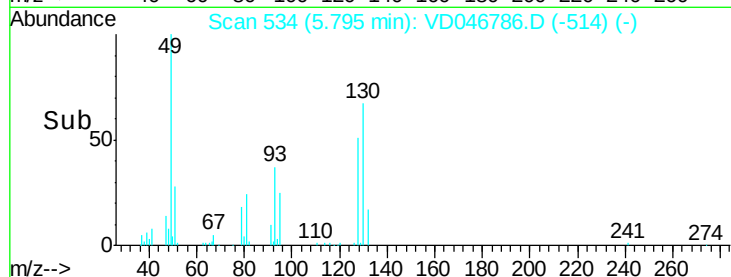
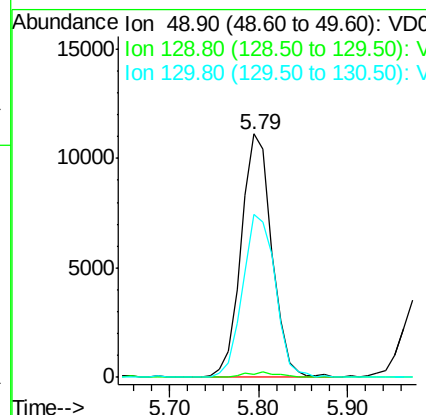
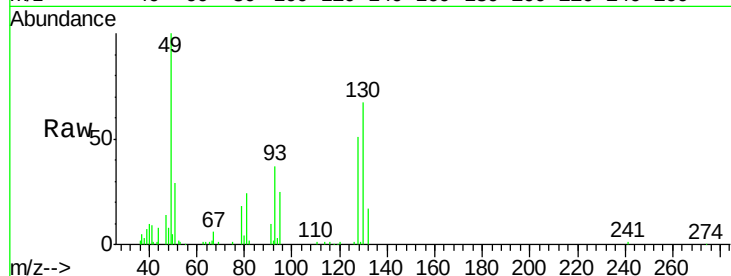
ClientSampleId :

VD0918SBS01

Tgt Ion:	49	Resp:	26687
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	2.8
130	66.7	50.2	75.4

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#30

Chloroform

Concen: 20.13 ug/l

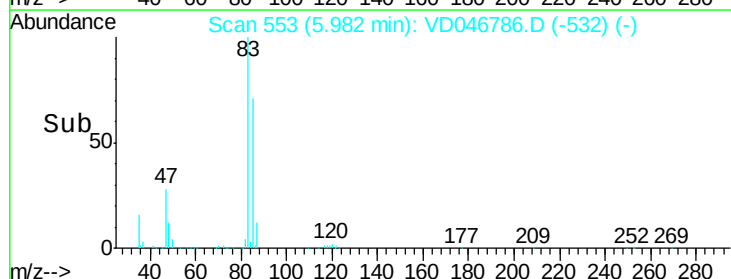
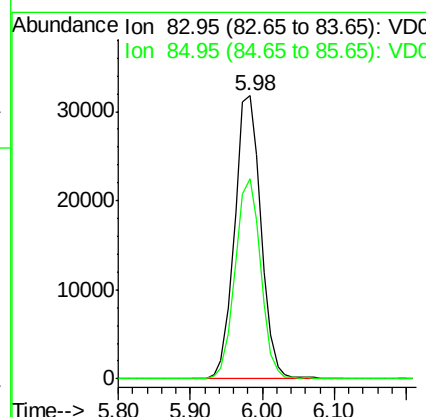
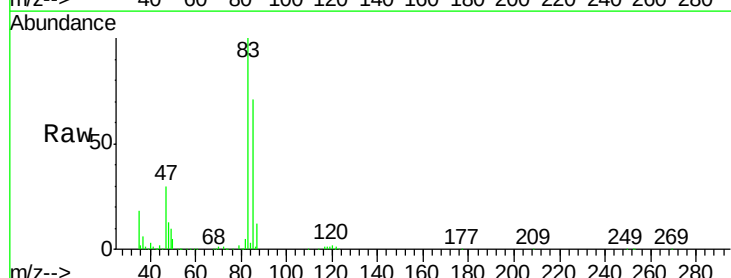
RT: 5.98 min Scan# 553

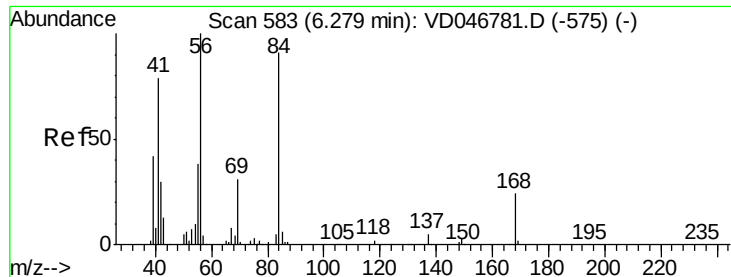
Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion:	83	Resp:	80849
Ion Ratio	Lower	Upper	
83	100		
85	70.7	52.5	78.7





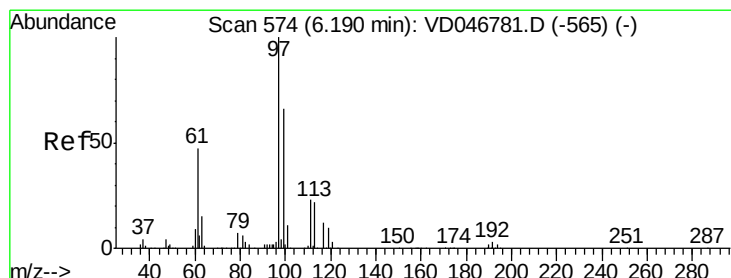
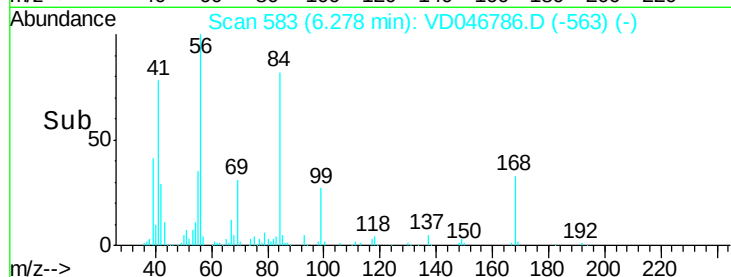
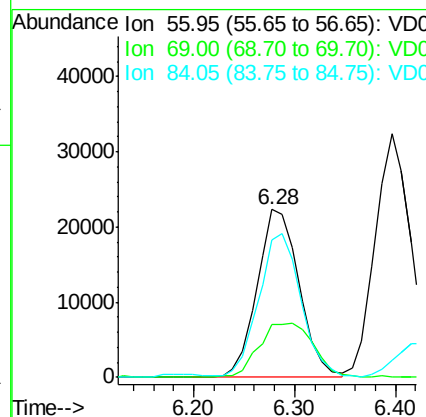
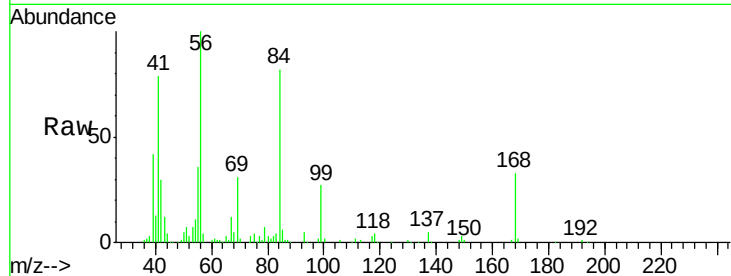
#31
Cyclohexane
Concen: 20.87 ug/l
RT: 6.28 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.4	35.0
84	82.2	63.8	95.8

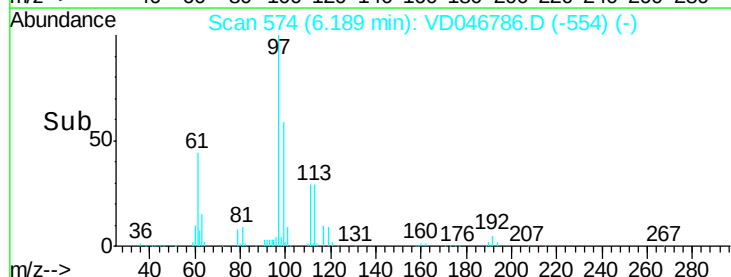
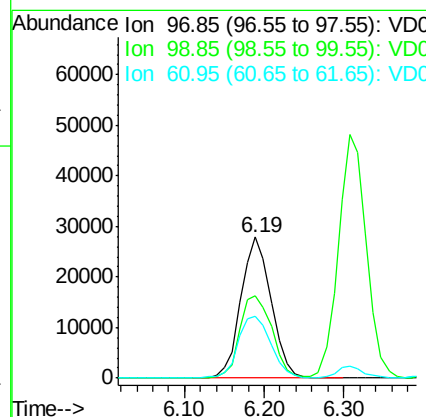
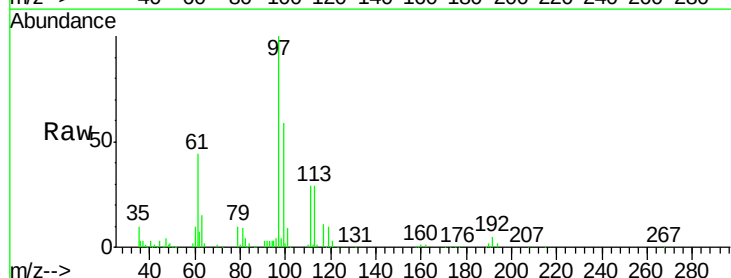
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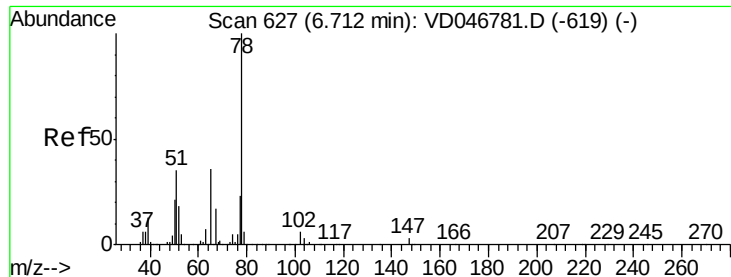
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#32
1,1,1-Trichloroethane
Concen: 20.51 ug/l
RT: 6.19 min Scan# 574
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.8	50.2	75.4
61	43.8	38.6	57.8





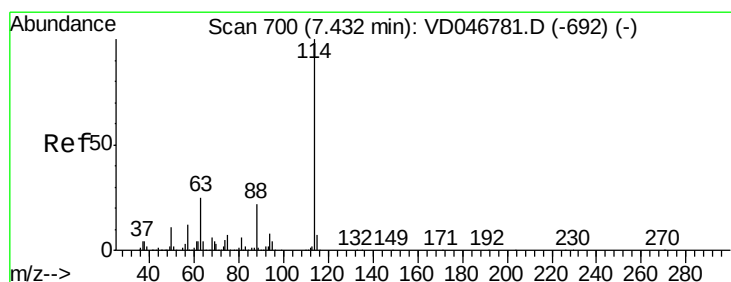
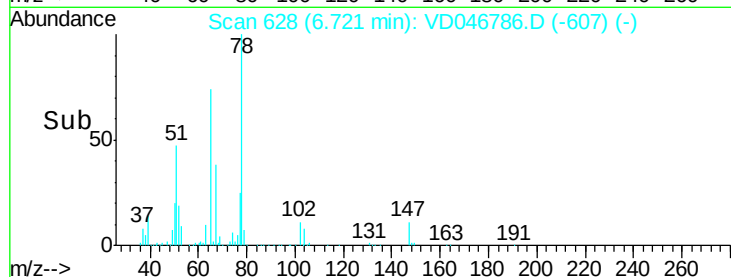
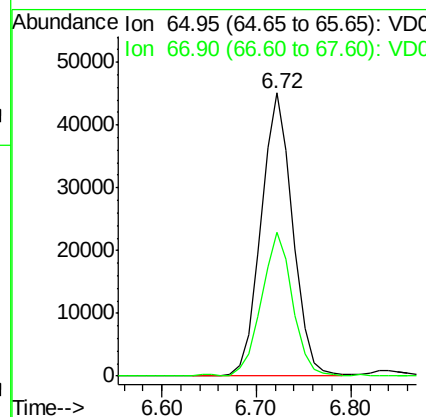
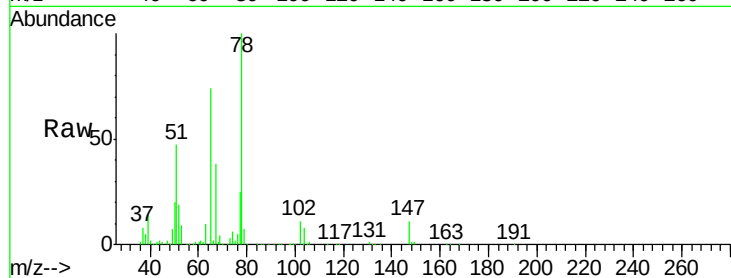
#33
 1,2-Dichloroethane-d4
 Concen: 20.51 ug/l
 RT: 6.72 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	105094		
67	51.0	0.0	105.4	

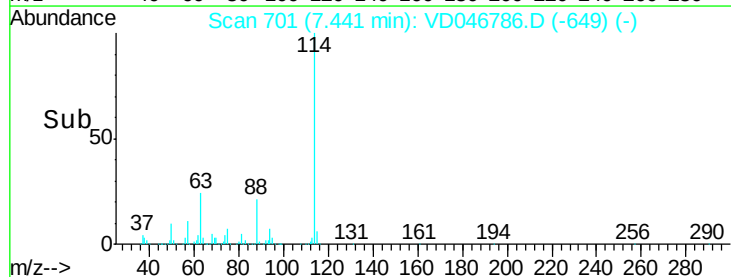
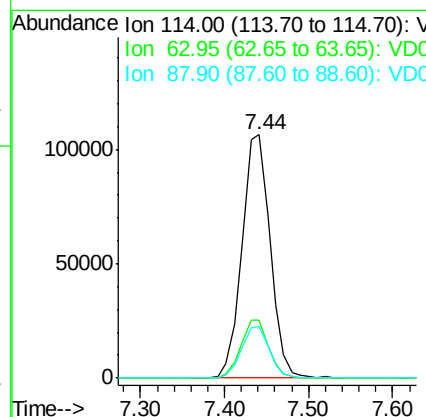
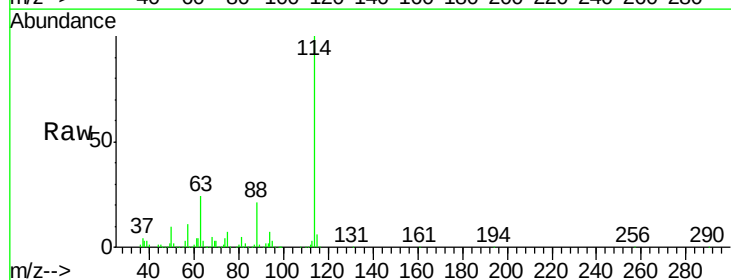
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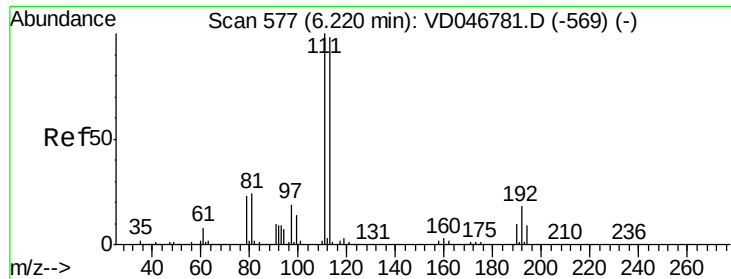
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	248791		
63	23.7	0.0	49.8	
88	21.1	0.0	43.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.22 min Scan# 577

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

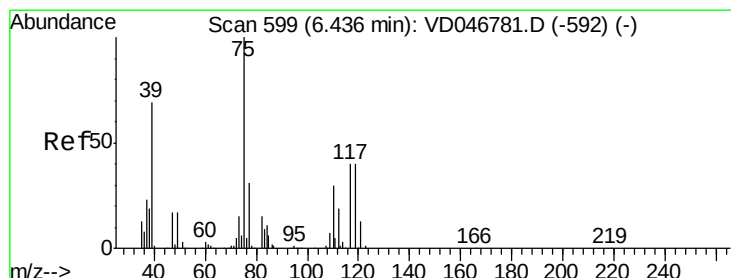
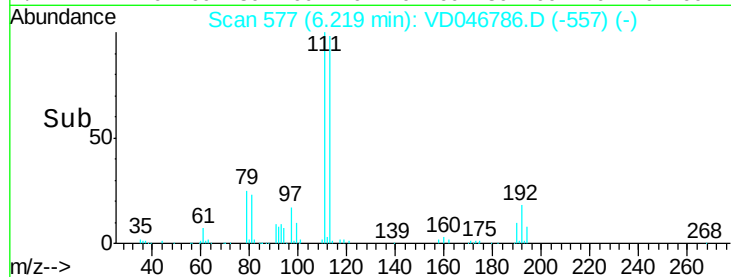
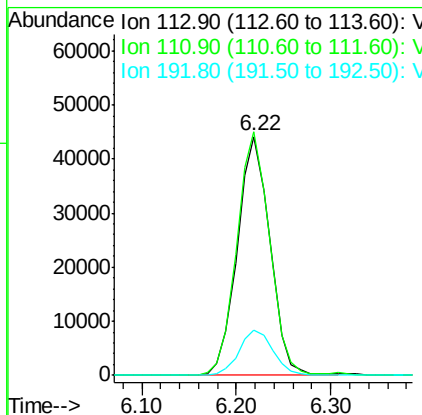
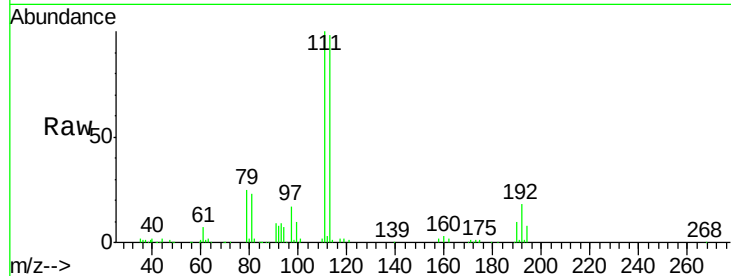
ClientSampleId :

VD0918SBS01

Tgt Ion:	113	Resp:	105527
Ion Ratio	Lower	Upper	
113	100		
111	101.9	79.4	119.0
192	18.8	14.6	22.0

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#36

1,1-Dichloropropene

Concen: 21.03 ug/l

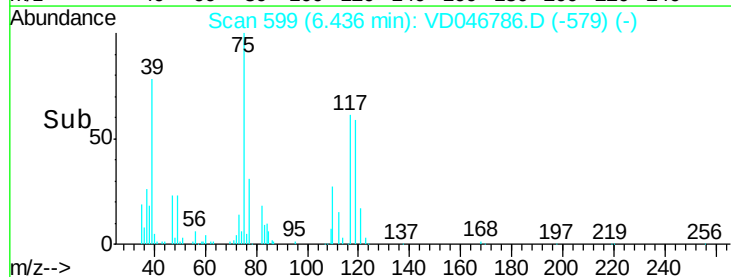
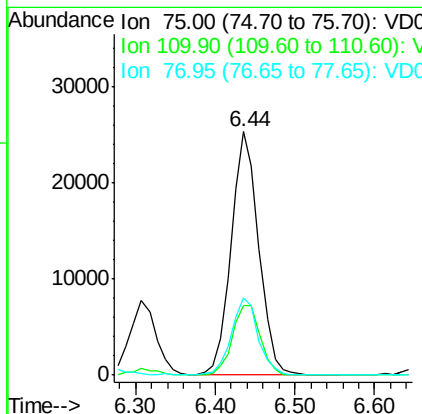
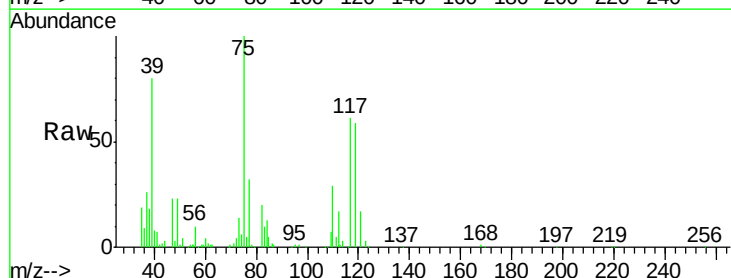
RT: 6.44 min Scan# 599

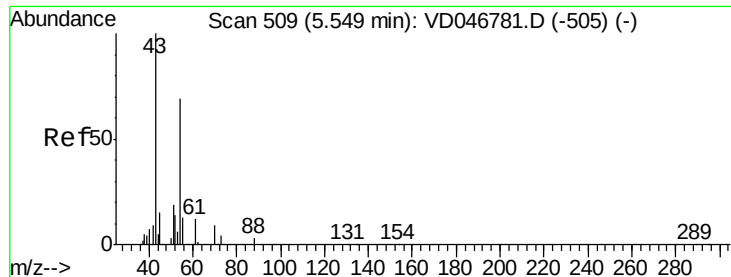
Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion:	75	Resp:	61158
Ion Ratio	Lower	Upper	
75	100		
110	28.6	13.7	41.0
77	31.6	24.7	37.1





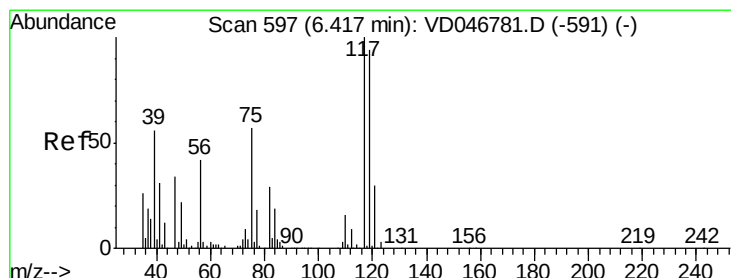
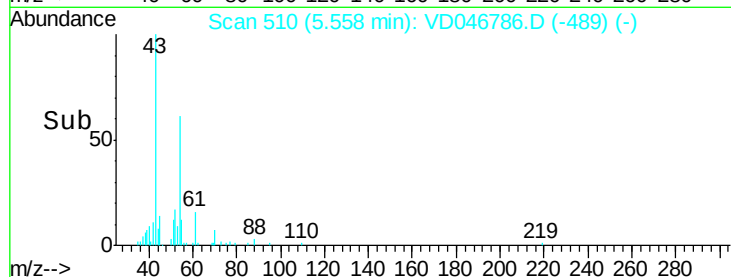
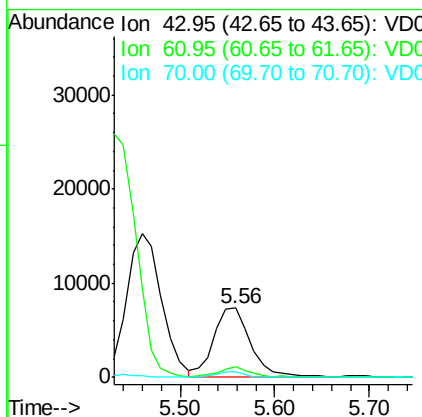
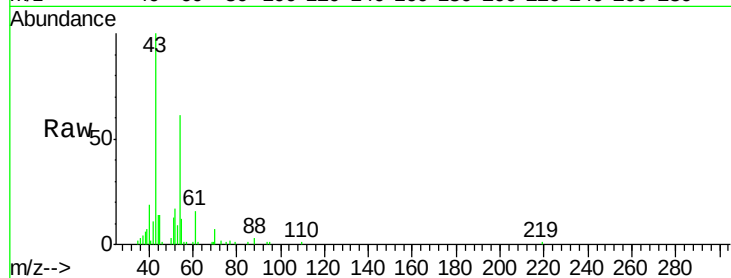
#37
Ethyl Acetate
 Concen: 21.11 ug/l
 RT: 5.56 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.3	9.4	14.2#
70	7.2	6.0	9.0

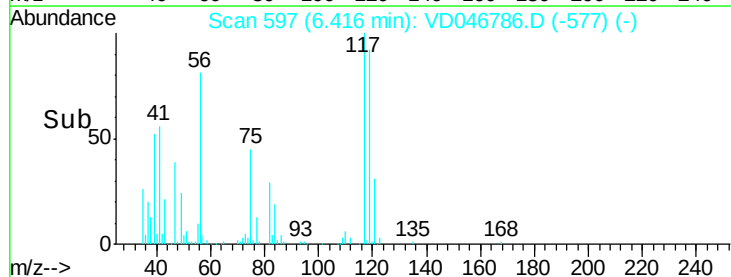
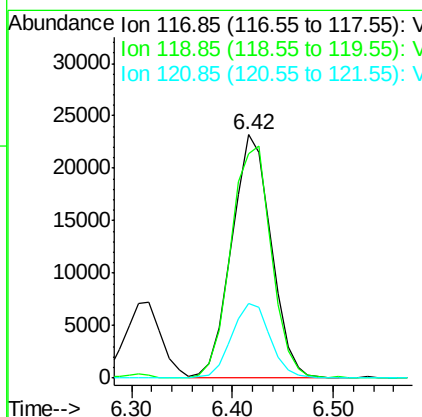
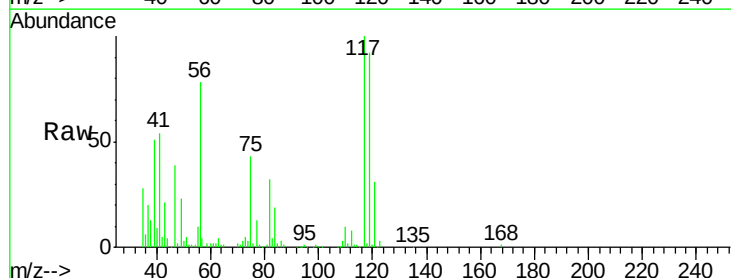
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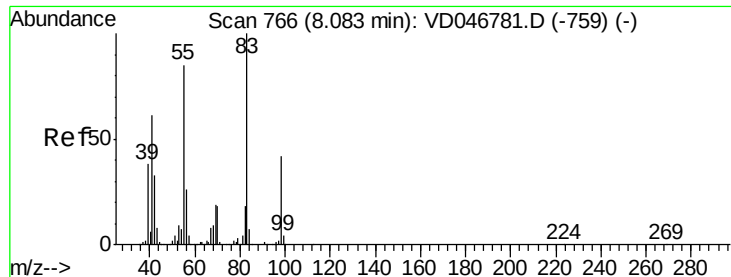
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#38
Carbon Tetrachloride
 Concen: 20.90 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.2	114.4
121	30.7	24.5	36.7





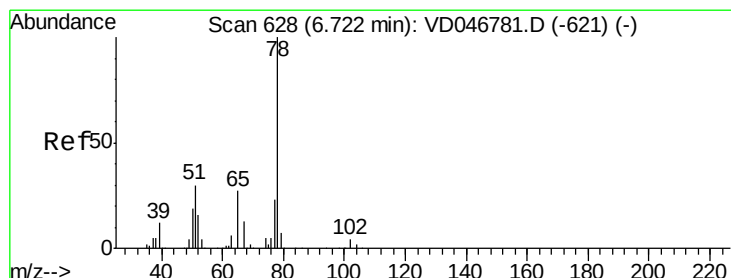
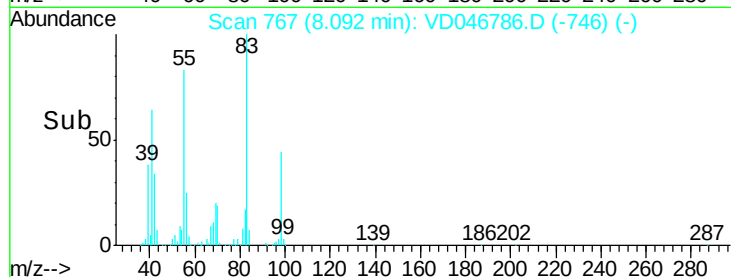
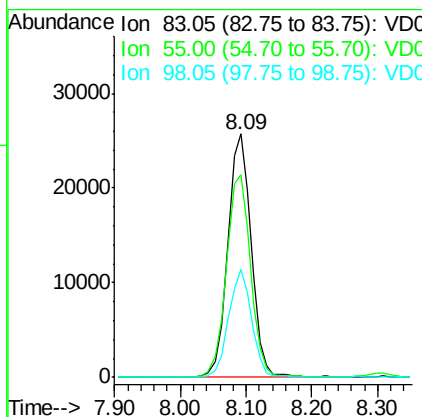
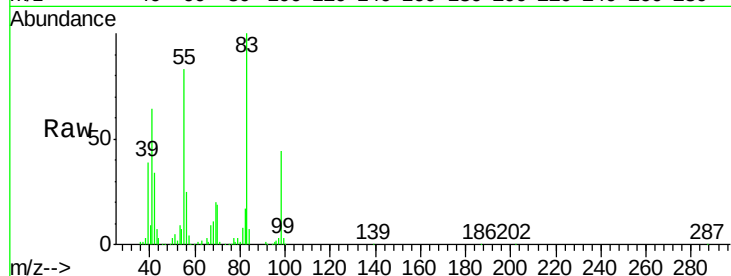
#39
Methylcyclohexane
Concen: 21.78 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.2	71.1	106.7
98	44.4	34.6	51.8

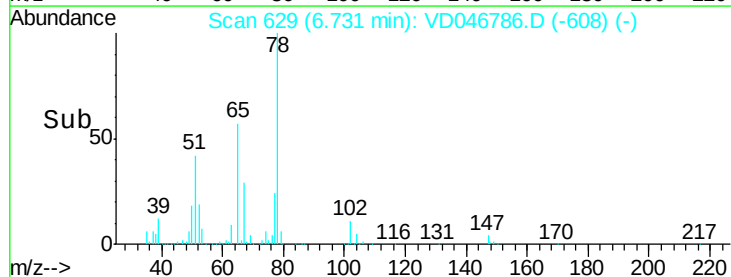
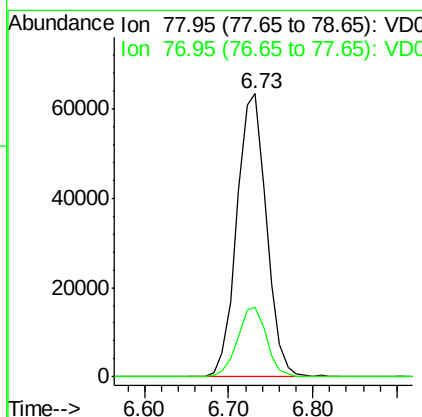
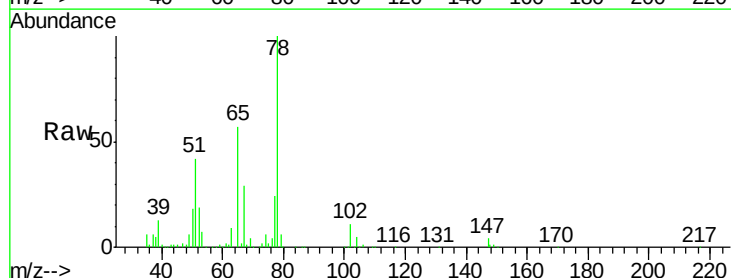
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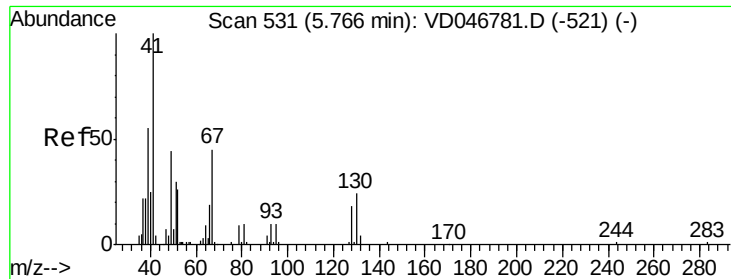
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#40
Benzene
Concen: 20.97 ug/l
RT: 6.73 min Scan# 629
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.9	29.9





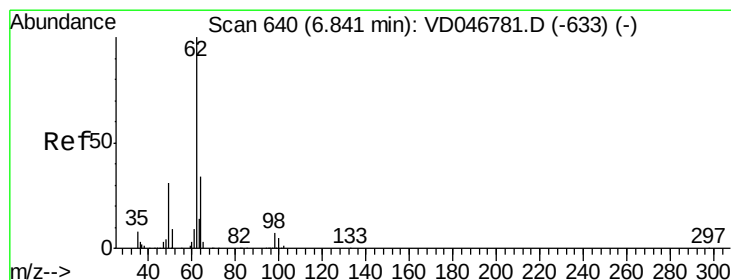
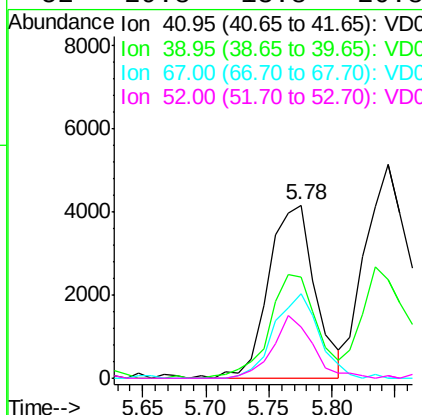
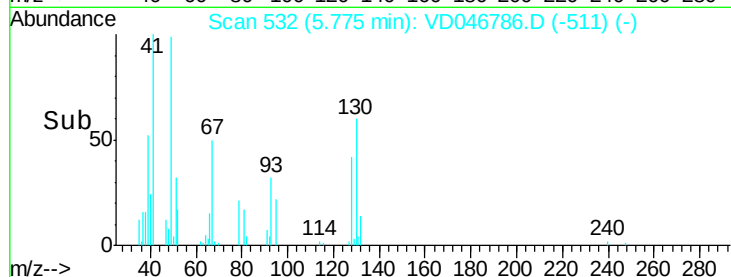
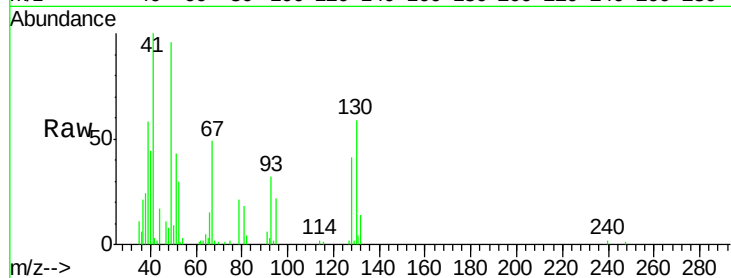
#41
Methacrylonitrile
Concen: 20.56 ug/l
RT: 5.78 min Scan# 532
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.5	40.2	60.4
67	48.6	32.0	48.0#
52	29.8	13.8	20.8#

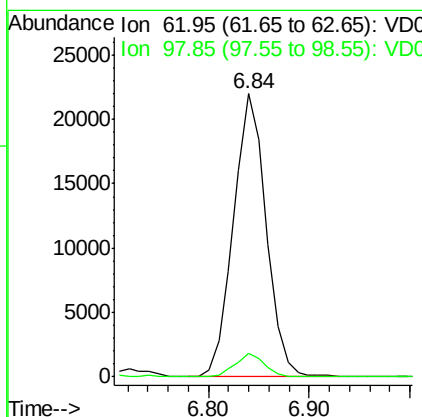
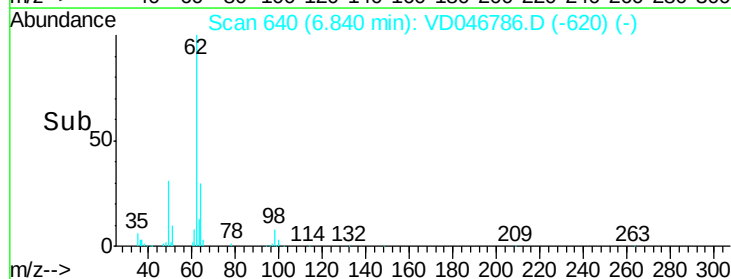
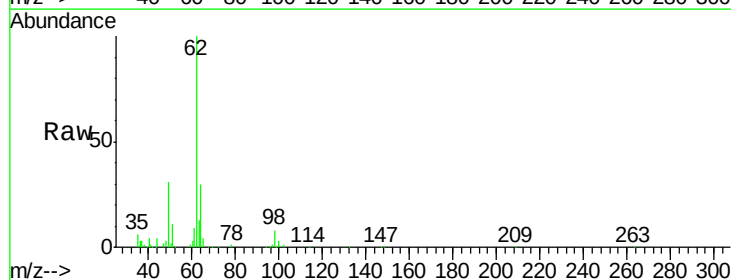
Manual Integrations
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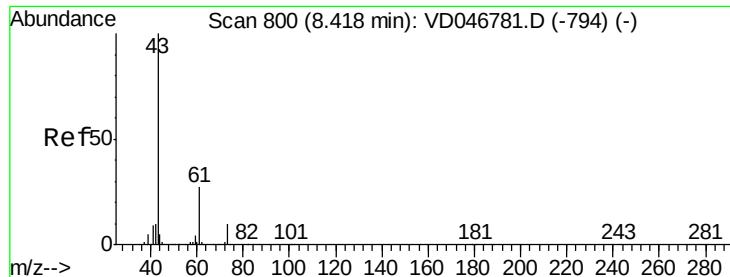
MMDadoda
9/21/2015 11:39:11 AM



#42
1,2-Dichloroethane
Concen: 21.58 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 21.59 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

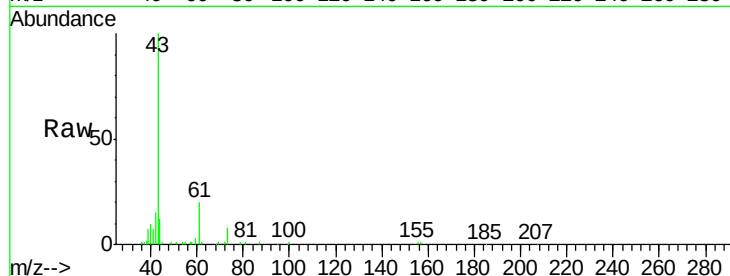
ClientSampleId :

VD0918SBS01

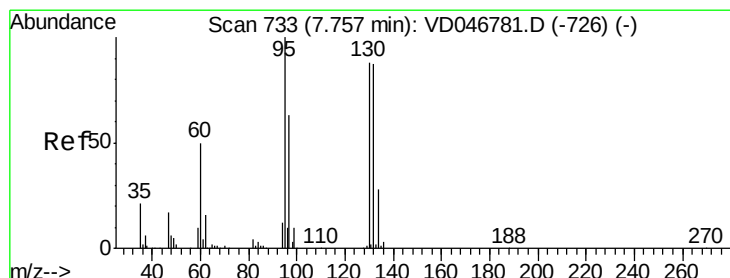
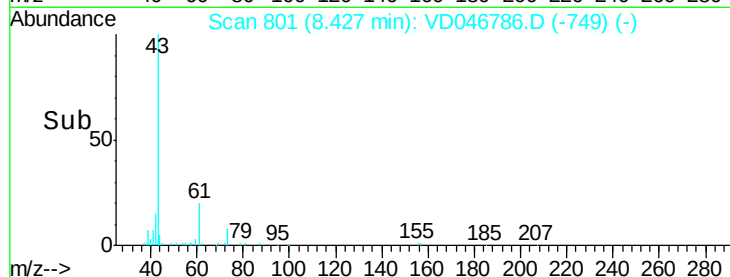
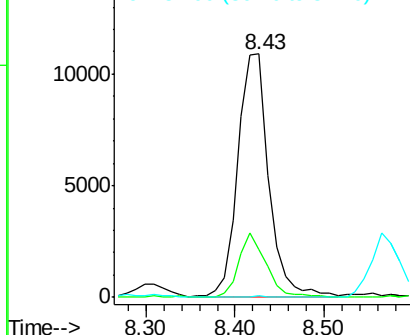
Tgt Ion:	43	Resp:	26582
Ion	Ratio	Lower	Upper
43	100		
61	19.8	19.5	29.3
87	0.6	0.2	0.2#

Manual Integrations
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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.24 ug/l

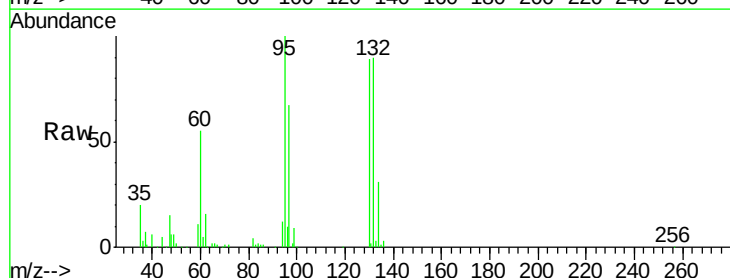
RT: 7.76 min Scan# 733

Delta R.T. -0.00 min

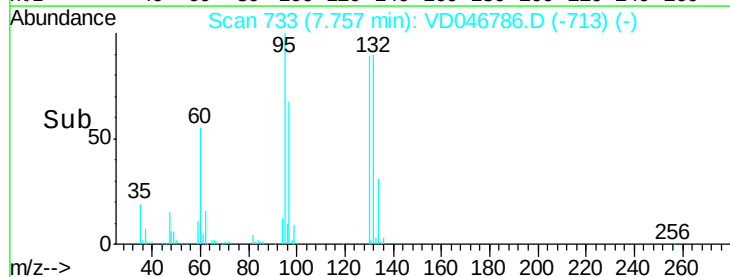
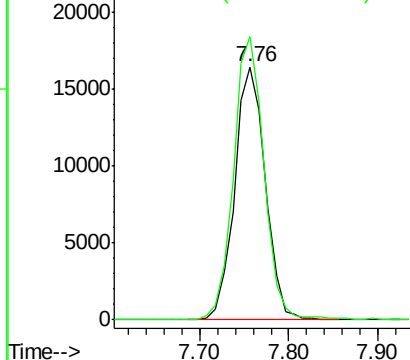
Lab File: VD046786.D

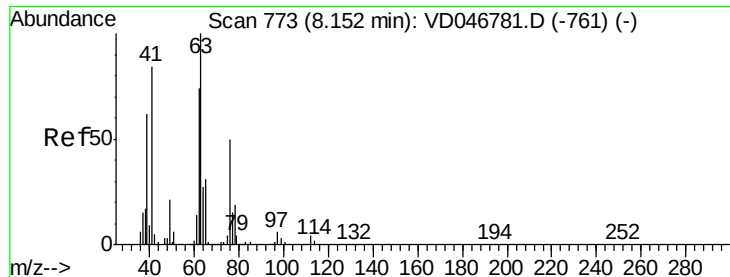
Acq: 18 Sep 2015 16:58

Tgt Ion:	130	Resp:	39461
Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	229.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





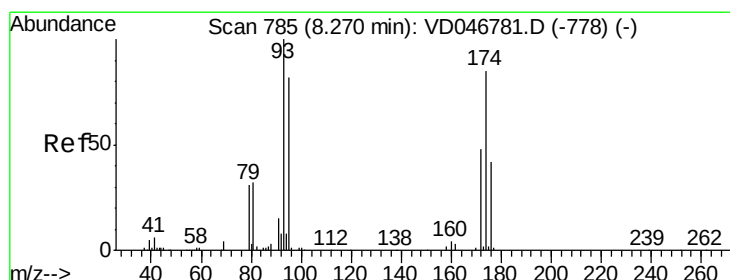
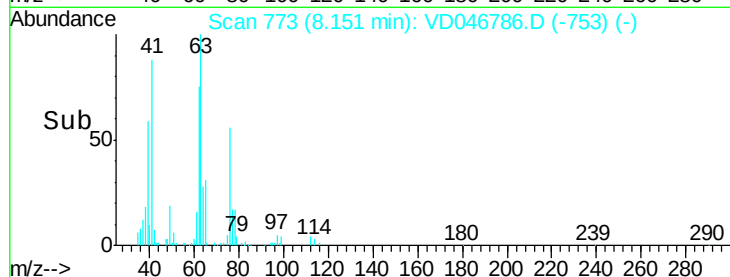
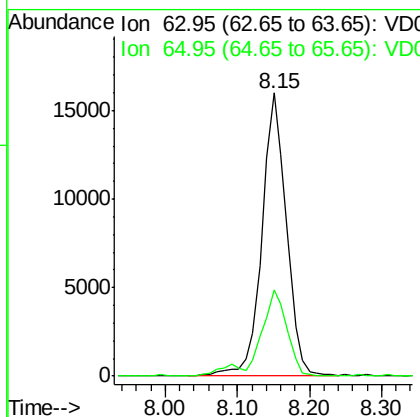
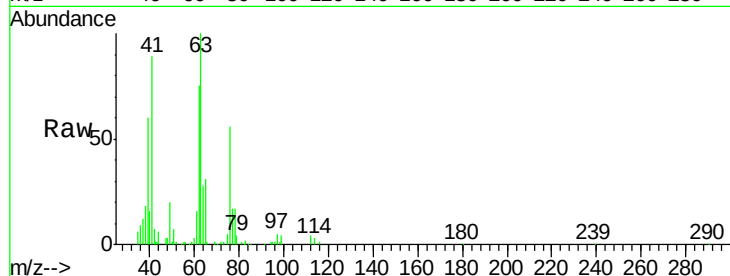
#45
1,2-Dichloropropane
Concen: 20.49 ug/l
RT: 8.15 min Scan# 773
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.1	37.7

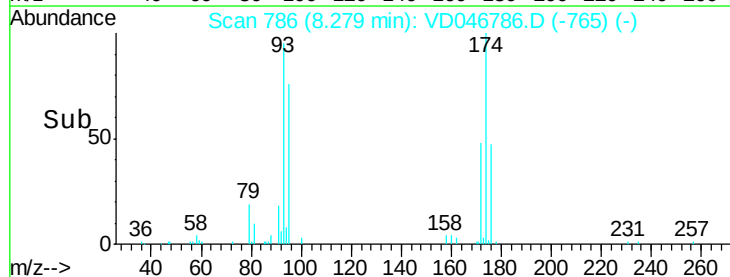
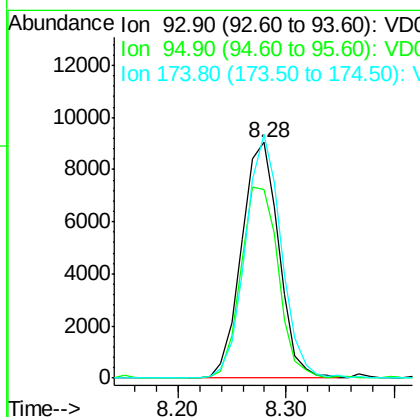
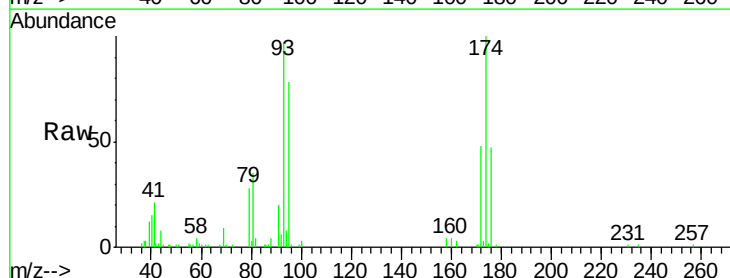
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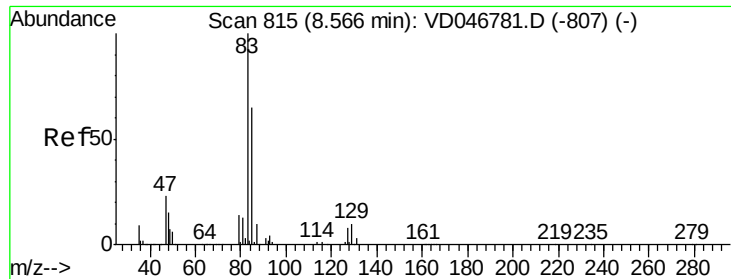
MMDadoda
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#46
Dibromomethane
Concen: 20.83 ug/l
RT: 8.28 min Scan# 786
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.3	70.2	105.2
174	103.3	79.0	118.4





#47

Bromodichloromethane

Concen: 21.53 ug/l

RT: 8.56 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

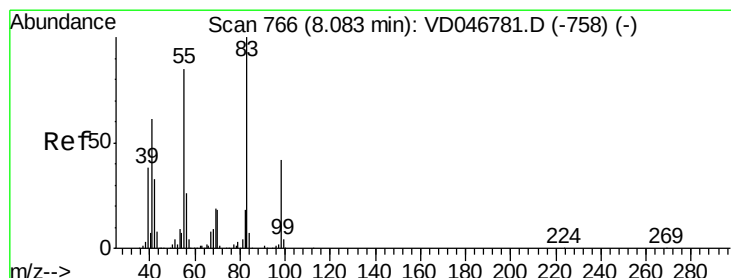
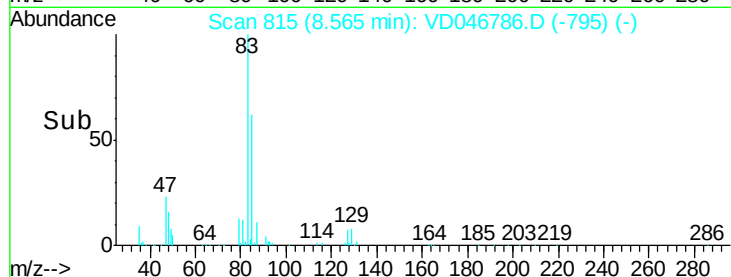
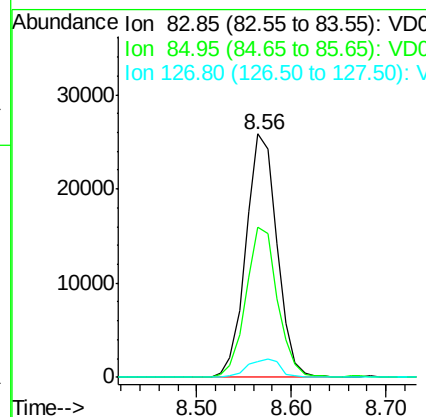
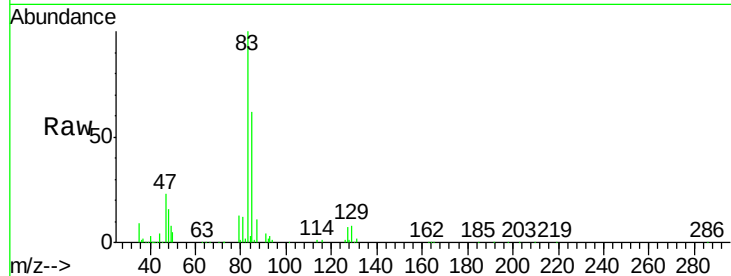
ClientSampleId :

VD0918SBS01

Tgt Ion:	83	Resp:	59008
Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.6	78.8
127	6.7	5.7	8.5

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#48

Methyl methacrylate

Concen: 21.94 ug/l

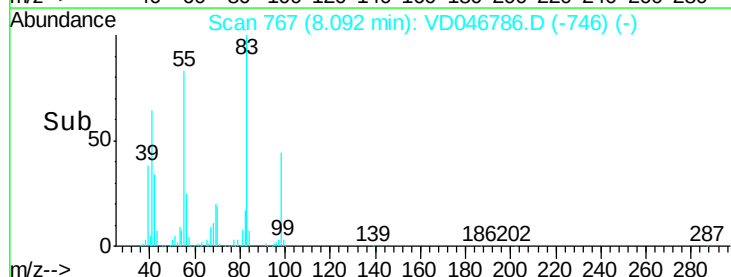
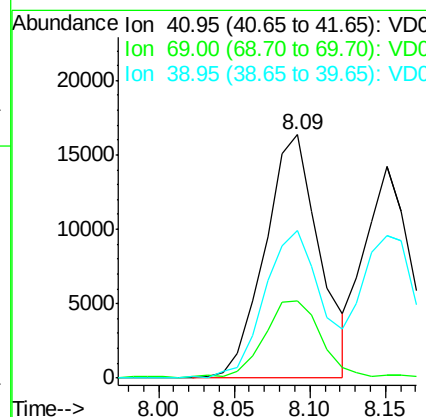
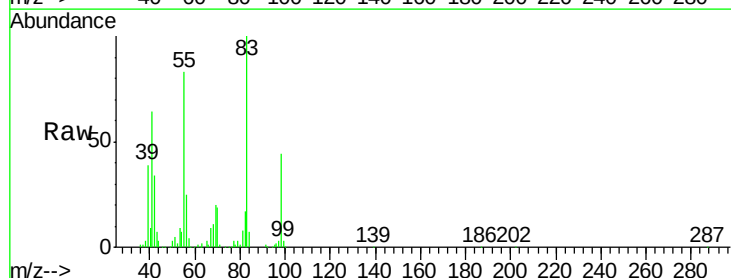
RT: 8.09 min Scan# 767

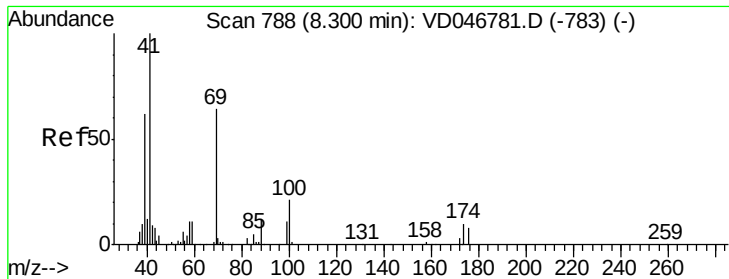
Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion:	41	Resp:	41292
Ion	Ratio	Lower	Upper
41	100		
69	31.7	25.3	37.9
39	60.8	47.4	71.0





#49

1,4-Dioxane

Concen: 419.23 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

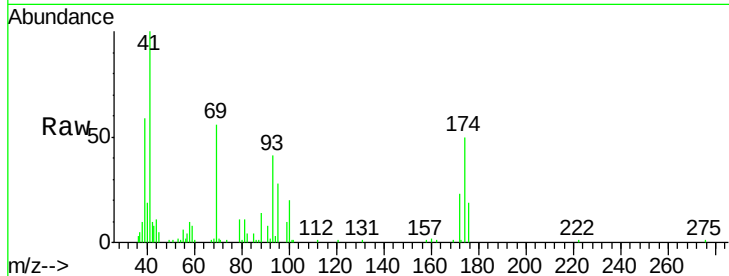
ClientSampleId :

VD0918SBS01

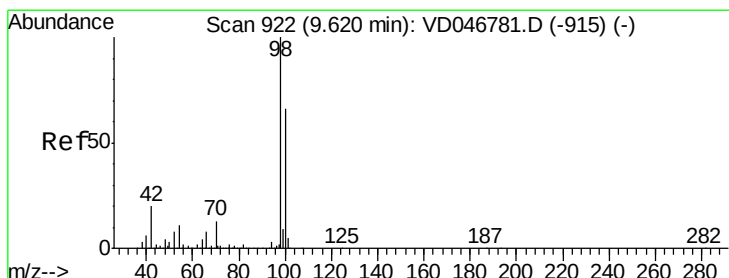
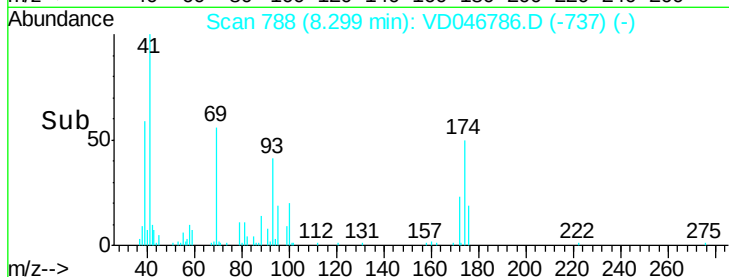
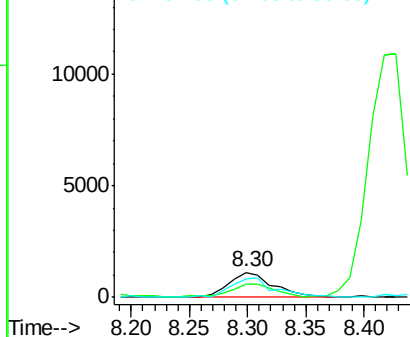
Tgt Ion:	88	Resp:	2919
Ion	Ratio	Lower	Upper
88	100		
43	54.8	50.0	75.0
58	72.5	48.3	72.5

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Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 419.23 ug/l

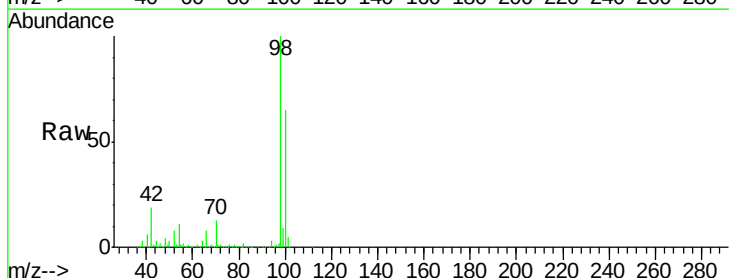
RT: 9.62 min Scan# 922

Delta R.T. -0.00 min

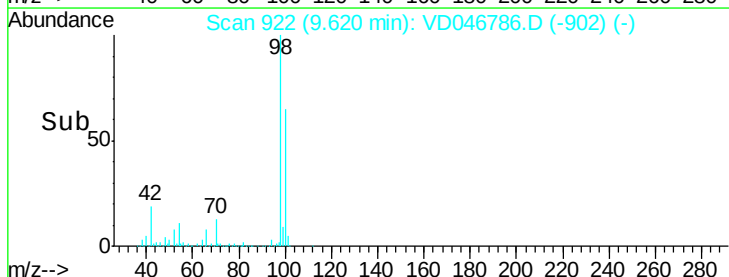
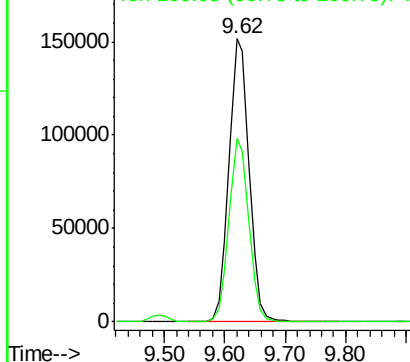
Lab File: VD046786.D

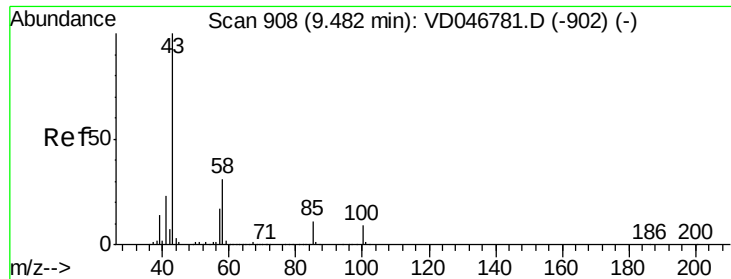
Acq: 18 Sep 2015 16:58

Tgt Ion:	98	Resp:	351187
Ion	Ratio	Lower	Upper
98	100		
100	65.0	49.9	74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 108.39 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 43 Resp: 96424

Ion Ratio Lower Upper

43 100

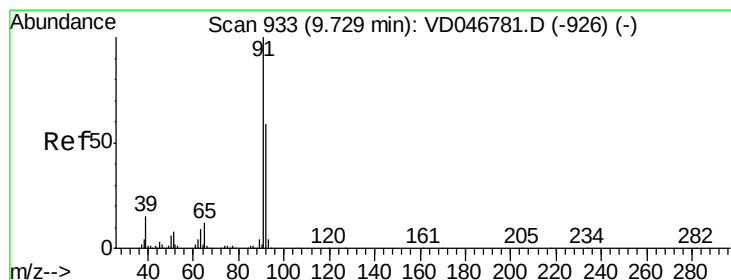
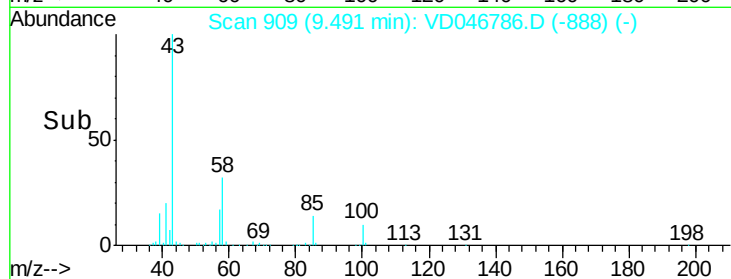
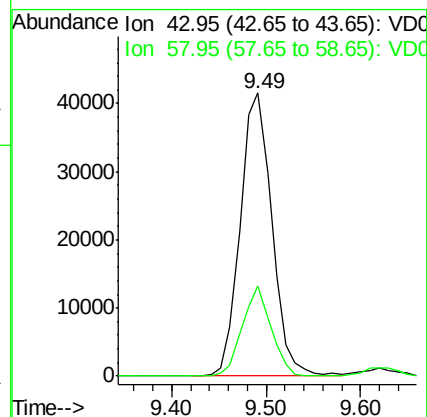
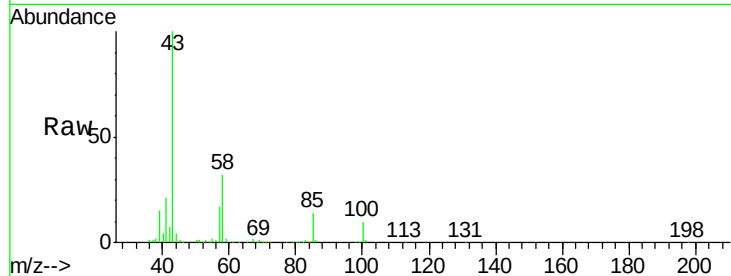
58 31.9 22.2 33.2

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#52

Toluene

Concen: 21.37 ug/l

RT: 9.73 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD046786.D

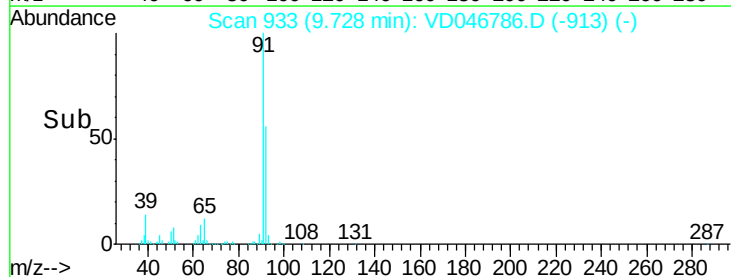
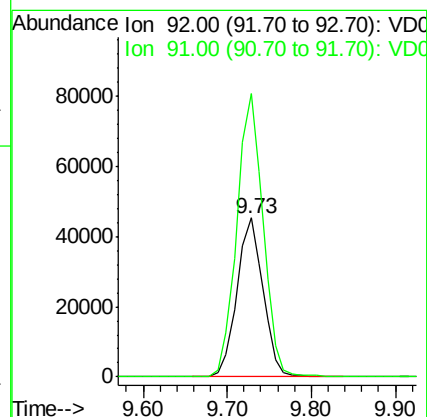
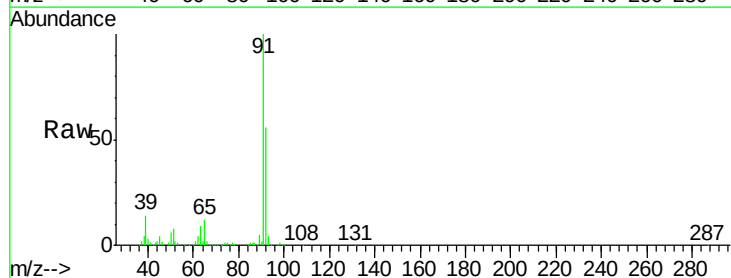
Acq: 18 Sep 2015 16:58

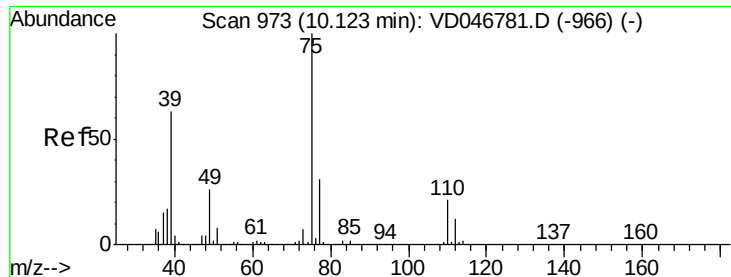
Tgt Ion: 92 Resp: 97836

Ion Ratio Lower Upper

92 100

91 178.3 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 20.92 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 75 Resp: 42337

Ion Ratio Lower Upper

75 100

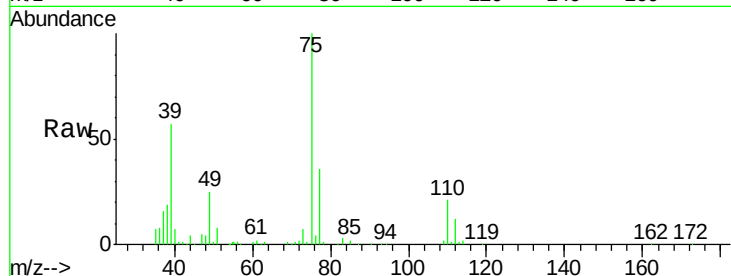
77 35.6 27.6 41.4

Manual Integrations

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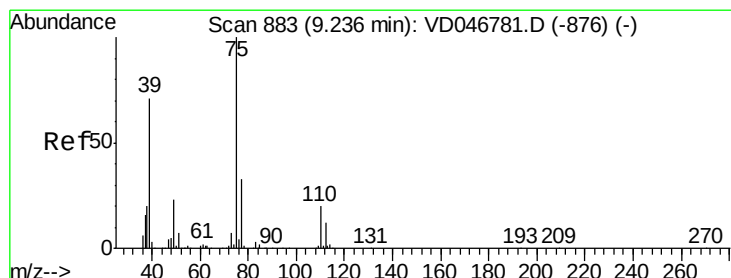
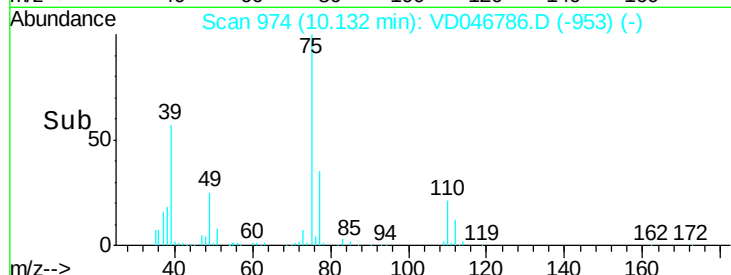
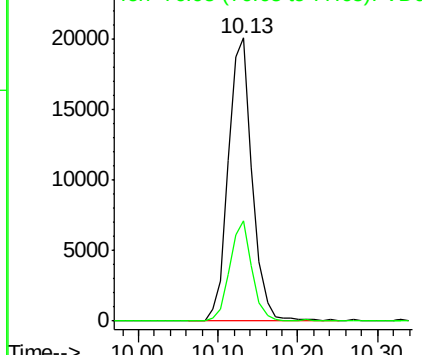
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.13 ug/l

RT: 9.24 min Scan# 883

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

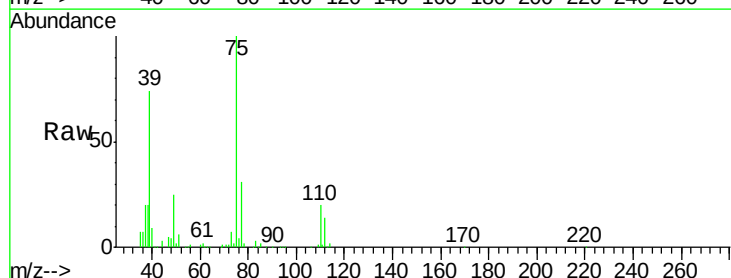
Tgt Ion: 75 Resp: 55044

Ion Ratio Lower Upper

75 100

77 31.1 23.8 35.6

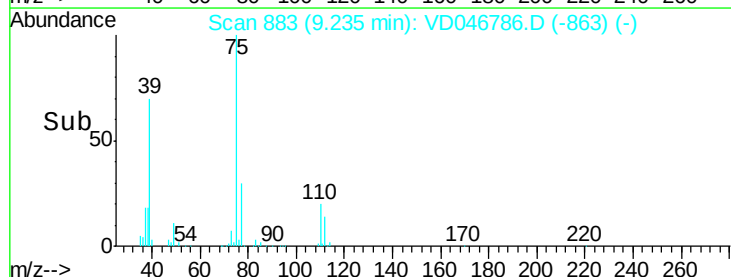
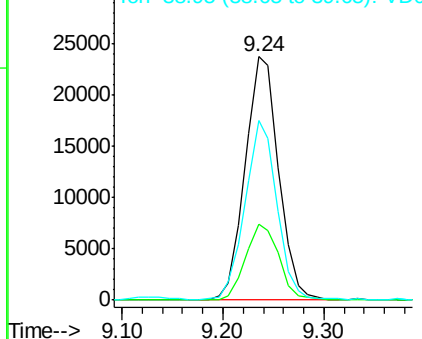
39 73.7 53.0 79.6

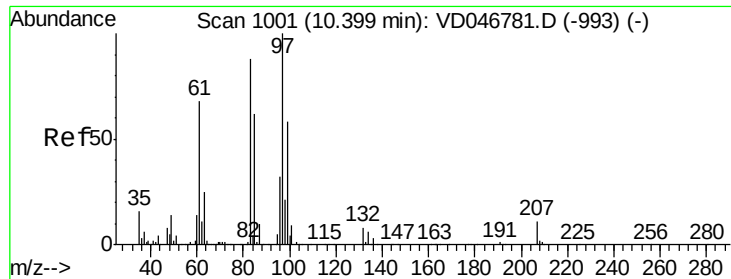


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.35 ug/l

RT: 10.41 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

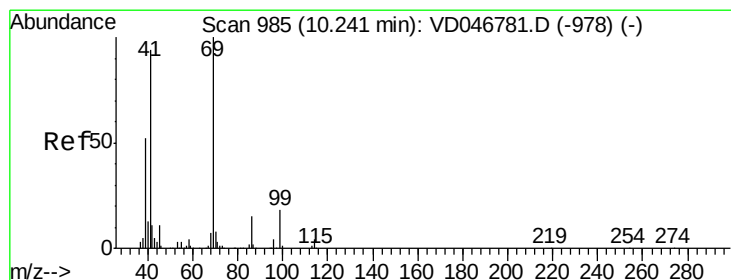
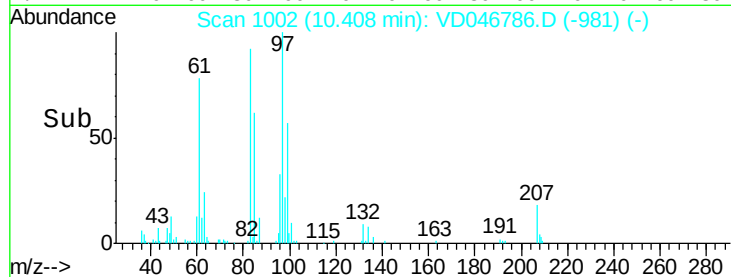
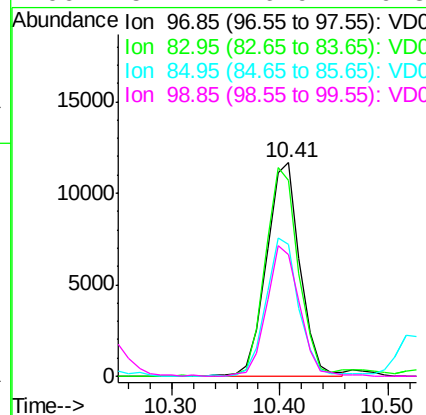
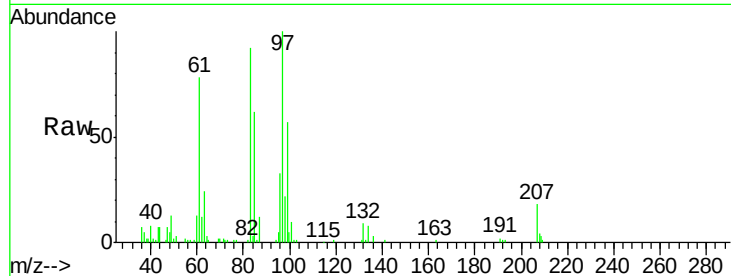
ClientSampleId :

VD0918SBS01

Tgt Ion:	97	Resp:	25305
Ion	Ratio	Lower	Upper
97	100		
83	91.6	75.3	112.9
85	61.9	50.9	76.3
99	57.1	46.9	70.3

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#56

Ethyl methacrylate

Concen: 20.47 ug/l

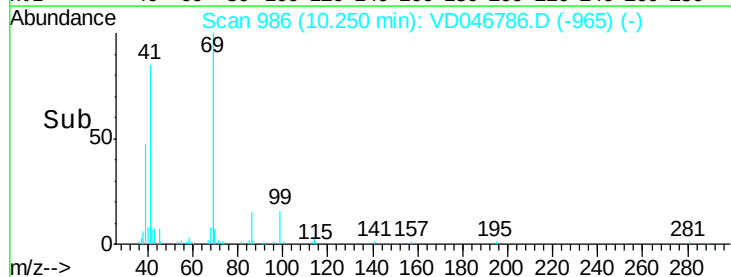
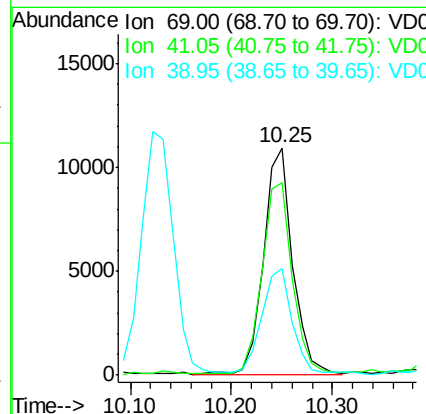
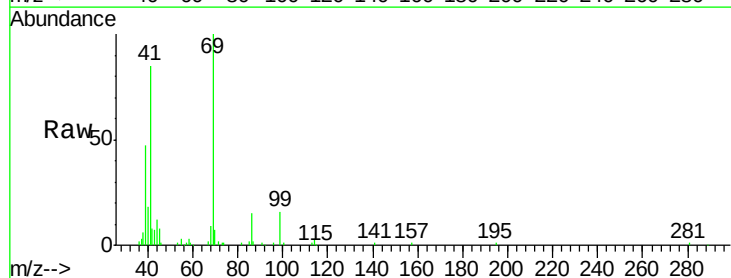
RT: 10.25 min Scan# 986

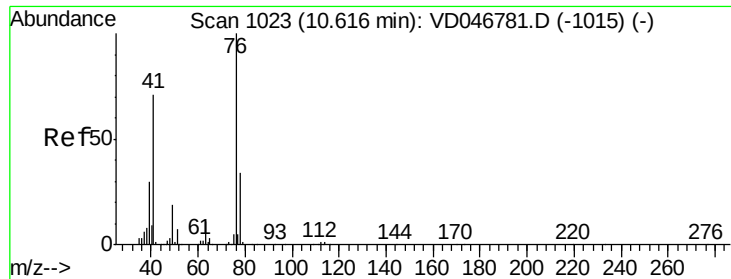
Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion:	69	Resp:	22120
Ion	Ratio	Lower	Upper
69	100		
41	84.8	75.4	113.0
39	47.0	41.0	61.4





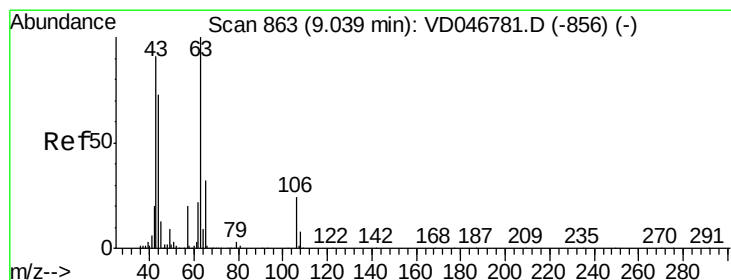
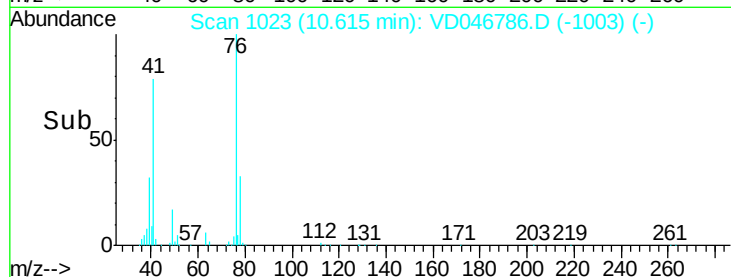
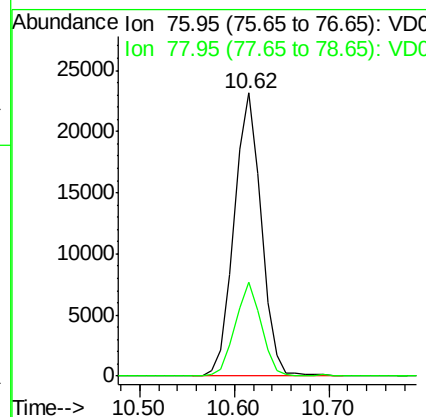
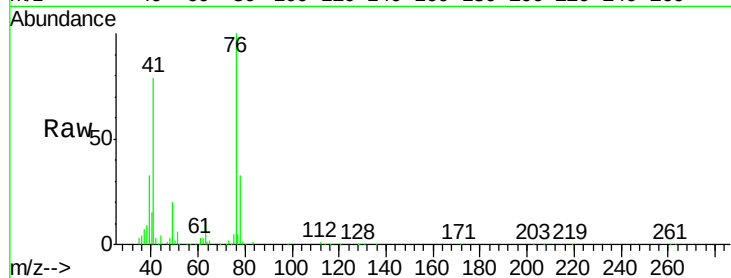
#57
 1,3-Dichloropropane
 Concen: 20.90 ug/l
 RT: 10.62 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tgt Ion: 76 Resp: 46075
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.6 39.8

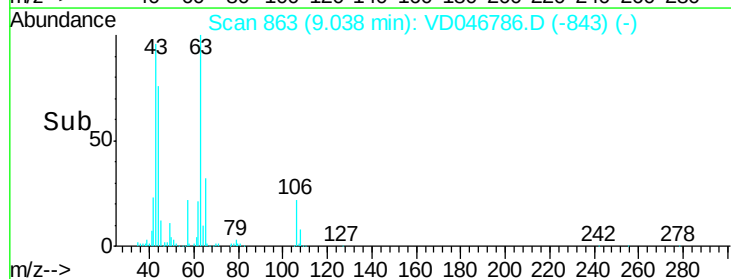
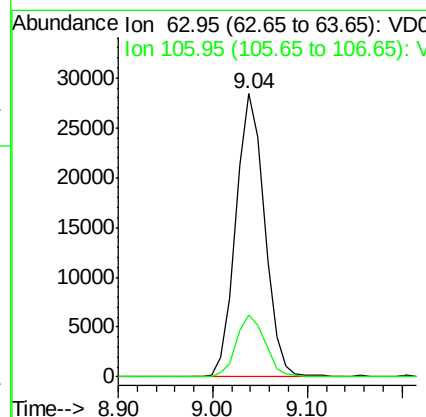
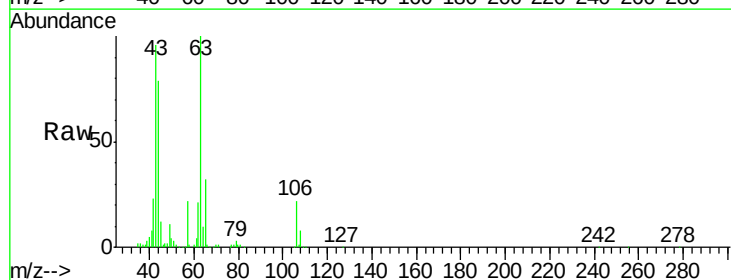
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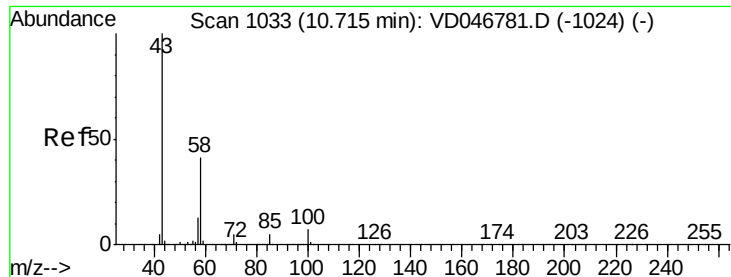
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.41 ug/l
 RT: 9.04 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion: 63 Resp: 60016
 Ion Ratio Lower Upper
 63 100
 106 22.1 17.8 26.8





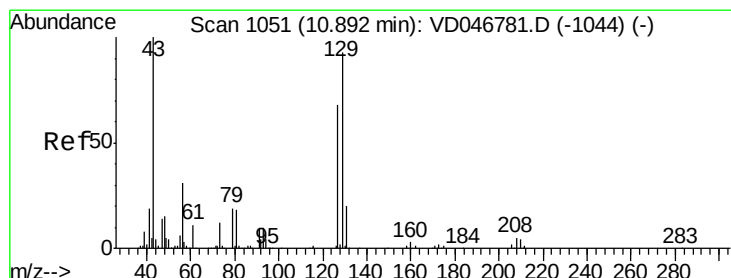
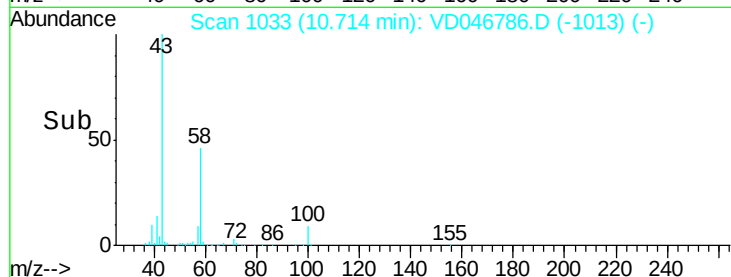
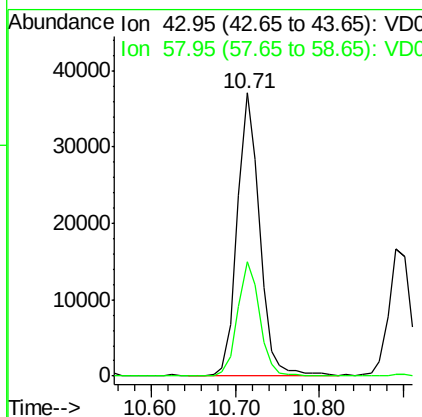
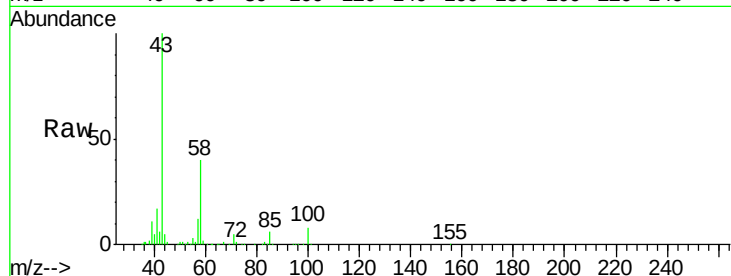
#59
2-Hexanone
Concen: 105.98 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion: 43 Resp: 68114
Ion Ratio Lower Upper
43 100
58 40.4 18.6 55.8

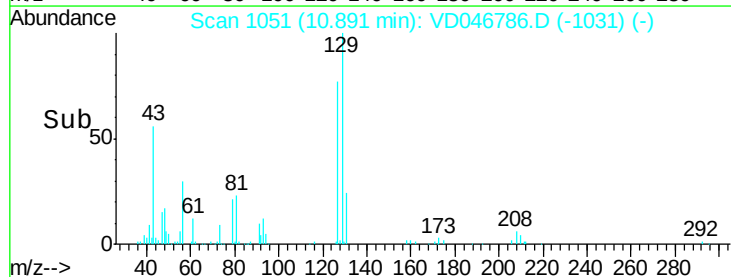
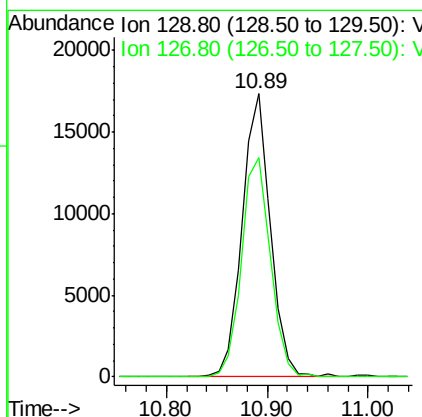
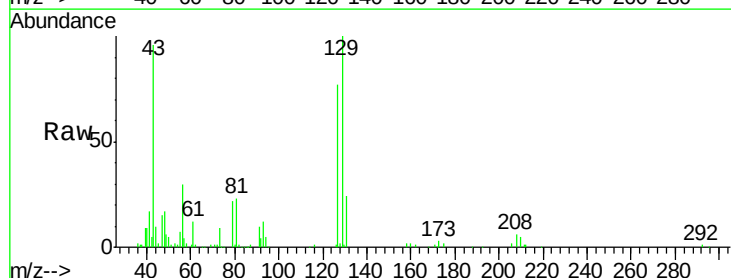
Manual Integrations
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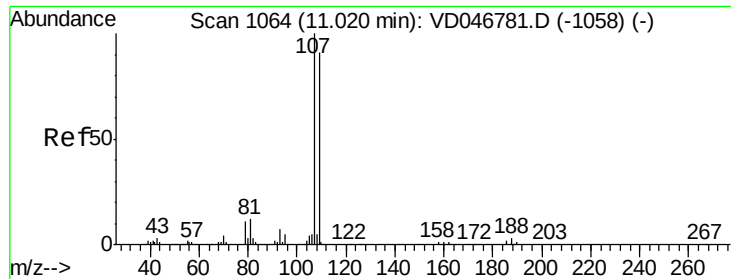
MMDadoda
9/21/2015 11:39:11 AM



#60
Dibromochloromethane
Concen: 20.82 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 129 Resp: 33866
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.84 ug/l

RT: 11.02 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 107 Resp: 24395

Ion Ratio Lower Upper

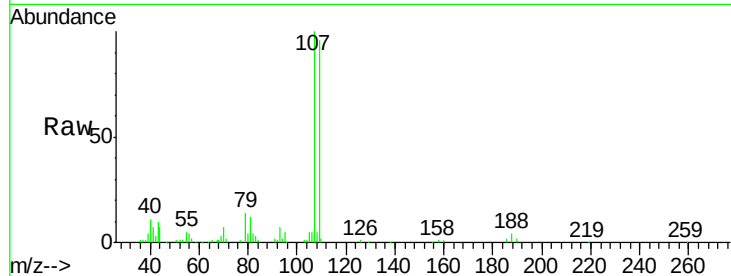
107 100

109 96.3 71.4 107.0

Manual Integrations
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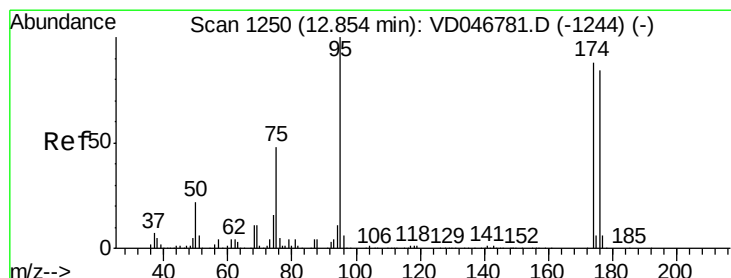
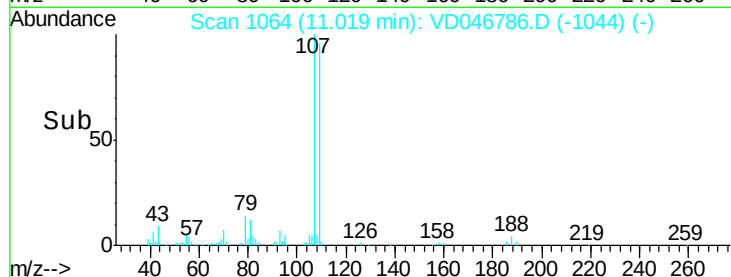
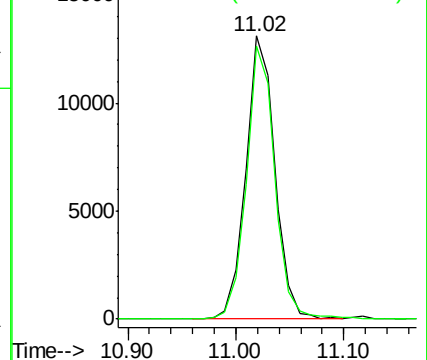
MMDadoda

9/21/2015 11:39:11 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.84 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

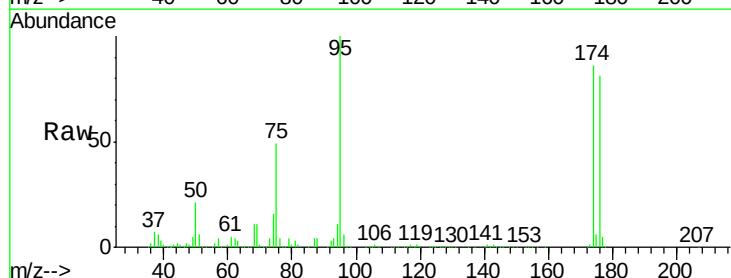
Tgt Ion: 95 Resp: 139197

Ion Ratio Lower Upper

95 100

174 85.8 0.0 149.8

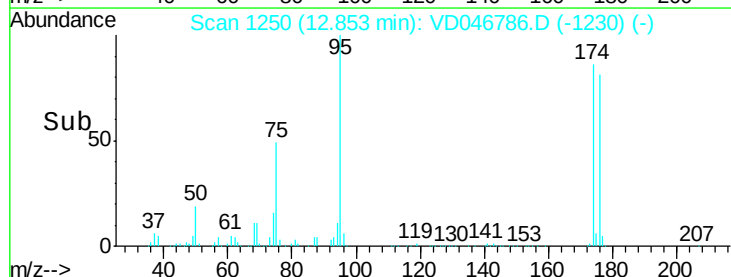
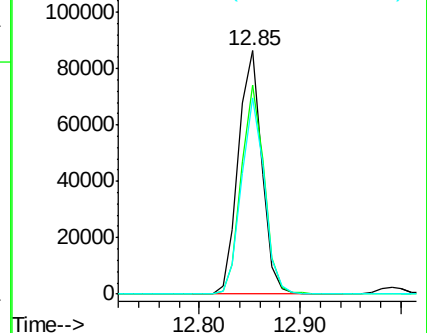
176 80.6 0.0 143.4

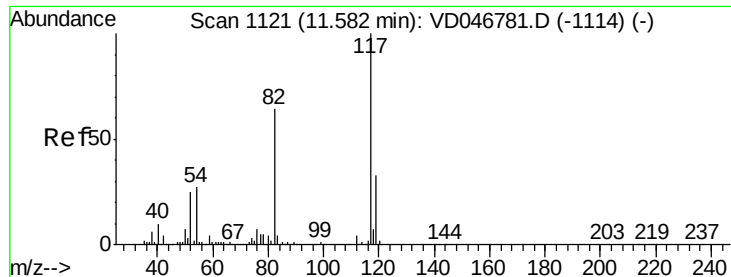


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





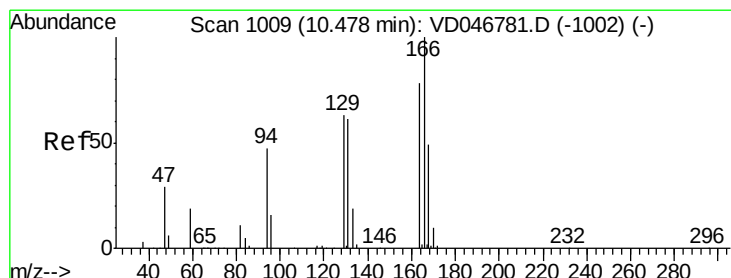
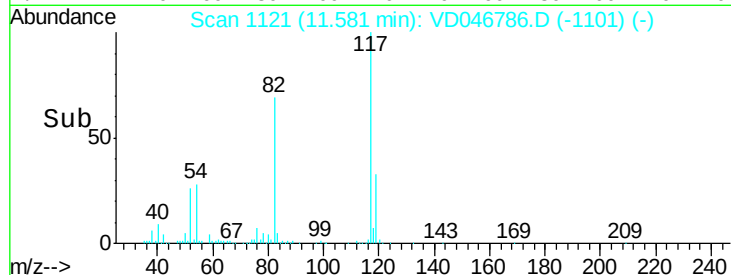
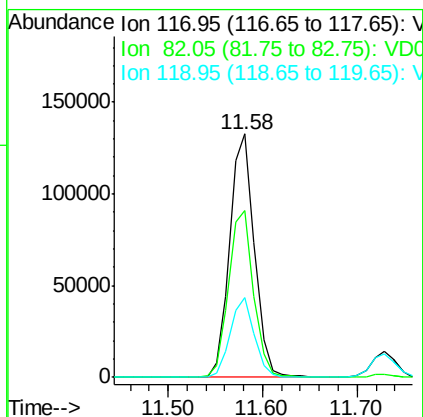
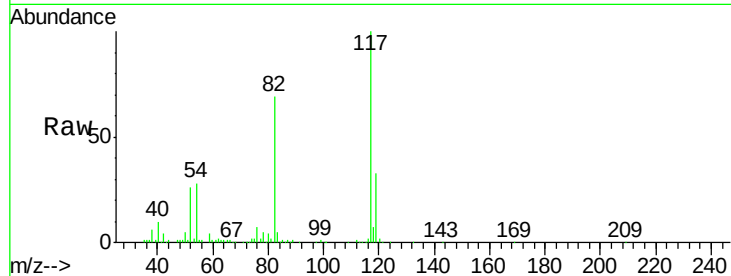
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	240104		
82	68.6	50.6	75.8	
119	32.6	25.8	38.8	

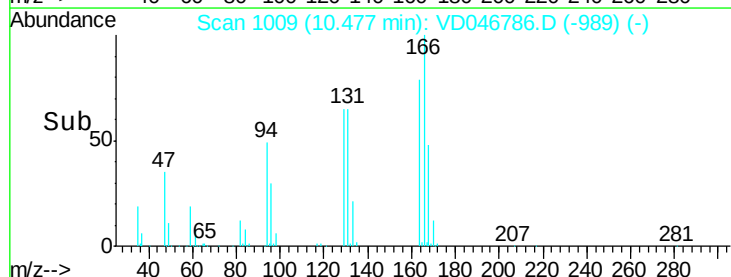
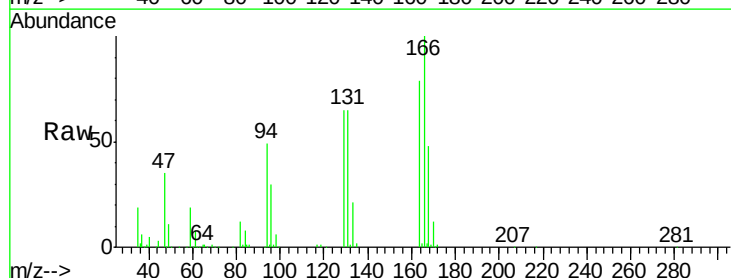
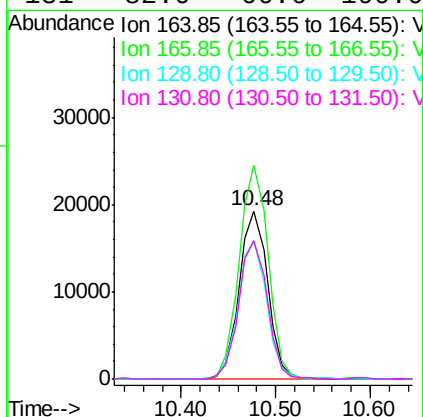
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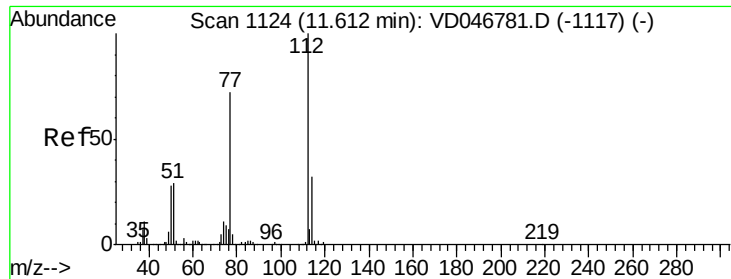
MMDadoda
9/21/2015 11:39:11 AM



#64
Tetrachloroethene
Concen: 20.82 ug/l
RT: 10.48 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40373		
166	127.0	106.8	160.2	
129	82.0	70.6	106.0	
131	82.0	66.6	100.0	





#65

Chlorobenzene

Concen: 20.91 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion:112 Resp: 105659

Ion Ratio Lower Upper

112 100

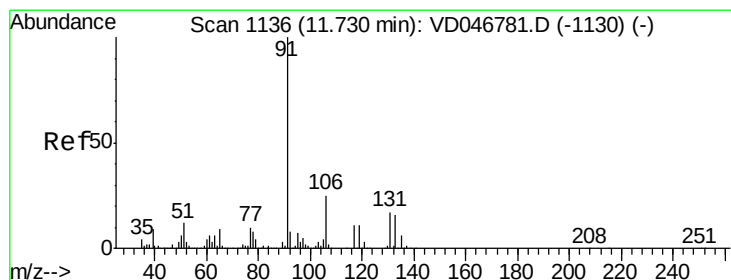
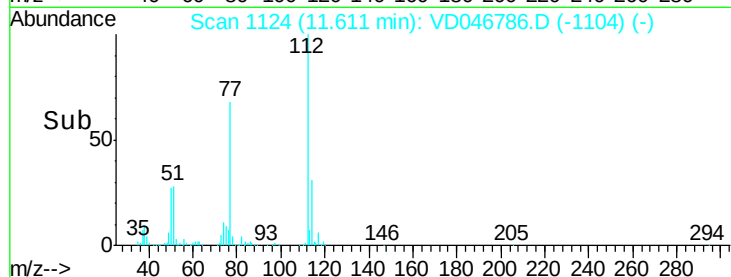
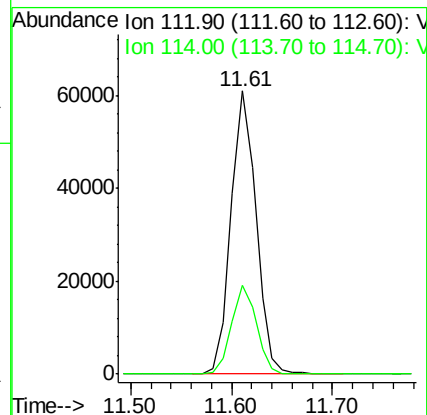
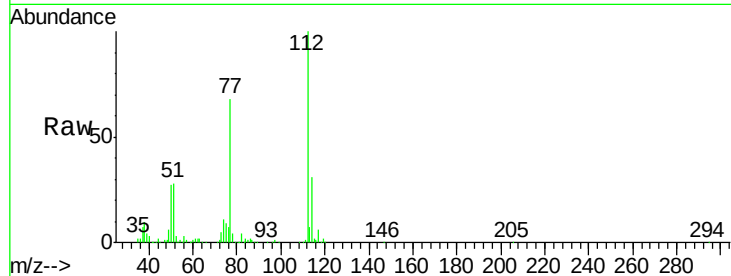
114 31.3 25.3 37.9

Manual Integrations

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MMDadoda

9/21/2015 11:39:11 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.89 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

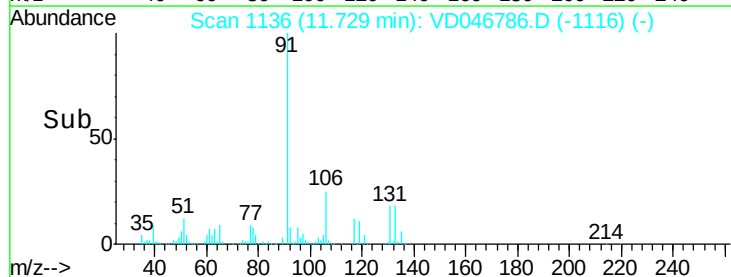
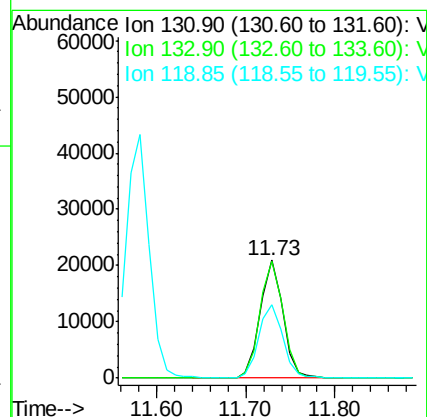
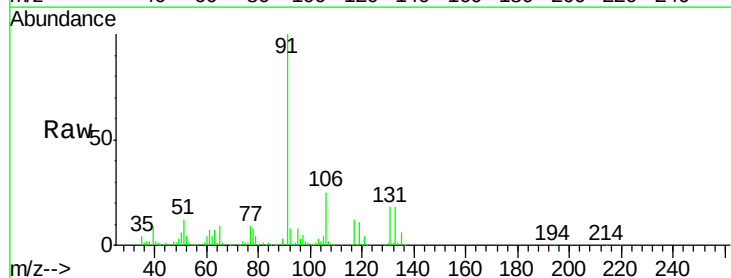
Tgt Ion:131 Resp: 36913

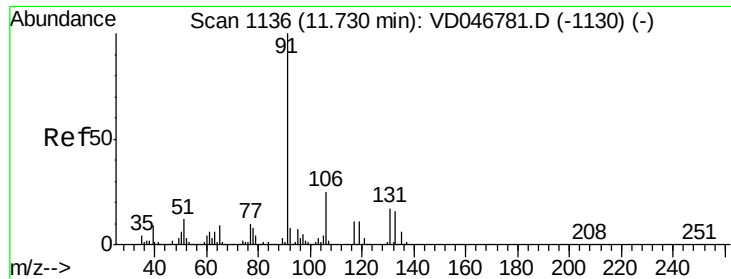
Ion Ratio Lower Upper

131 100

133 99.0 48.4 145.0

119 61.8 31.5 94.5





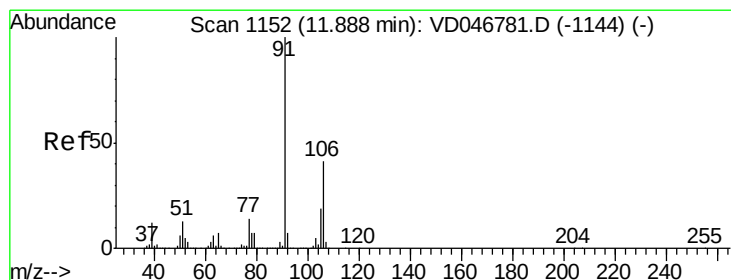
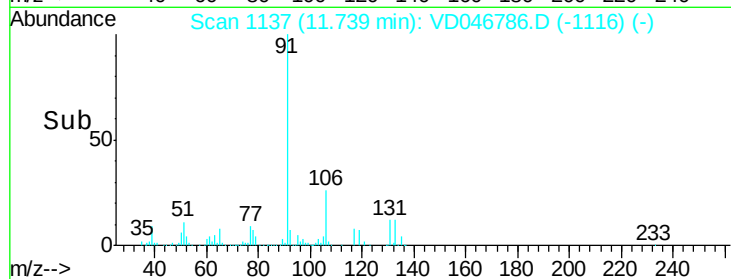
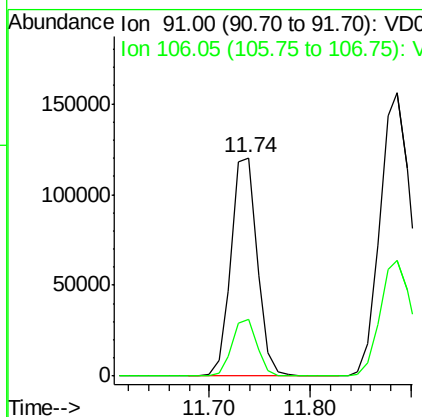
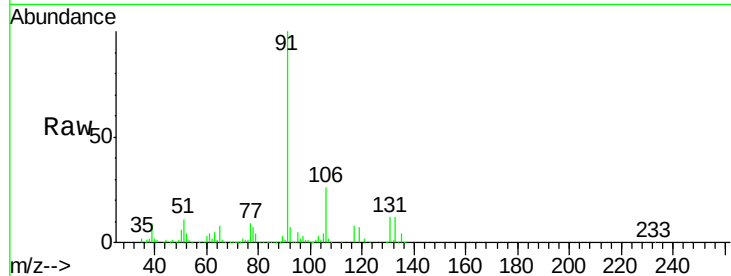
#67
Ethyl Benzene
Concen: 21.38 ug/l
RT: 11.74 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion: 91 Resp: 217133
Ion Ratio Lower Upper
91 100
106 26.0 20.2 30.2

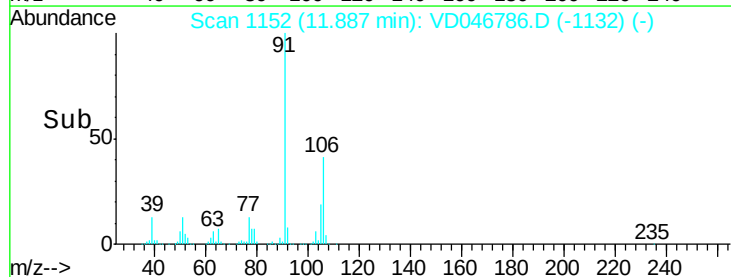
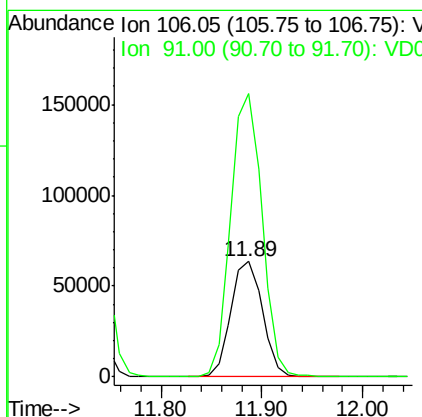
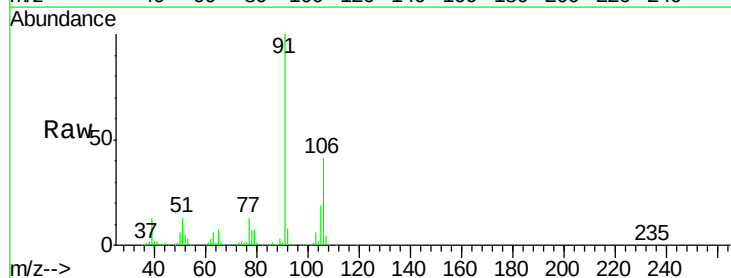
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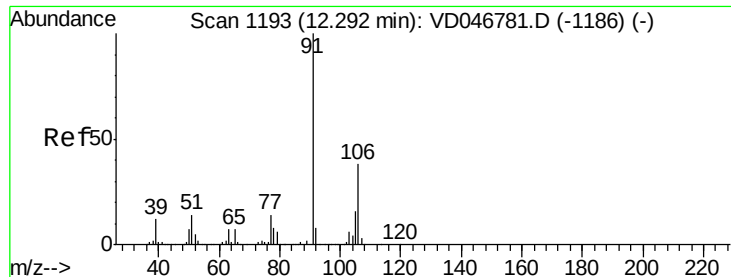
MMDadoda
9/21/2015 11:39:11 AM



#68
m/p-Xylenes
Concen: 43.31 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 106 Resp: 138692
Ion Ratio Lower Upper
106 100
91 245.3 187.9 281.9





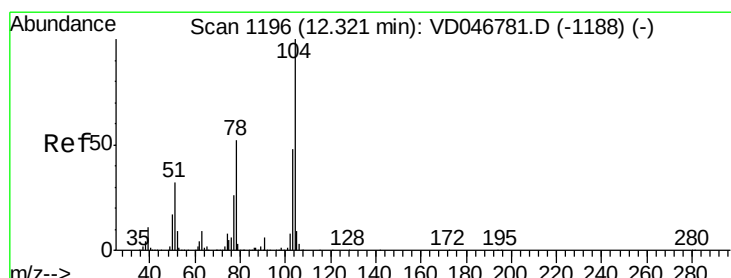
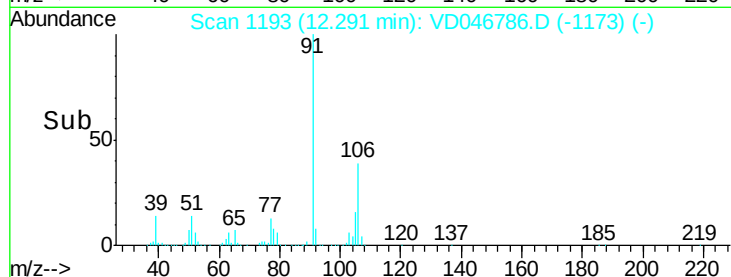
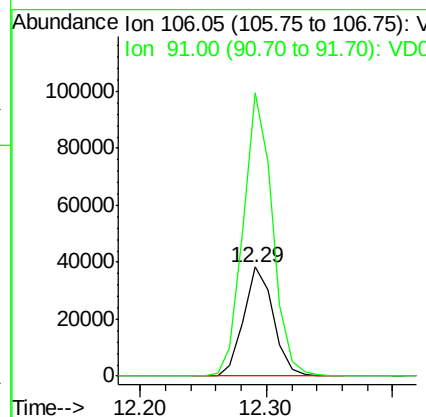
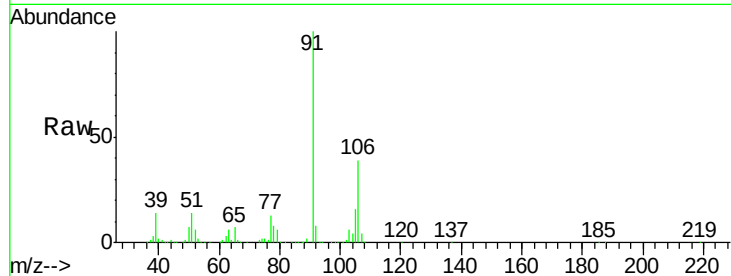
#69
o-Xylene
Concen: 21.72 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion:106 Resp: 62613
Ion Ratio Lower Upper
106 100
91 259.5 124.8 374.5

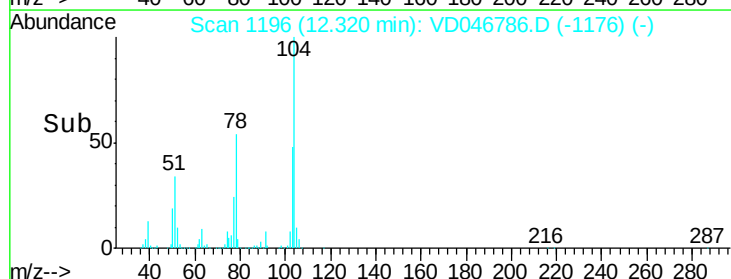
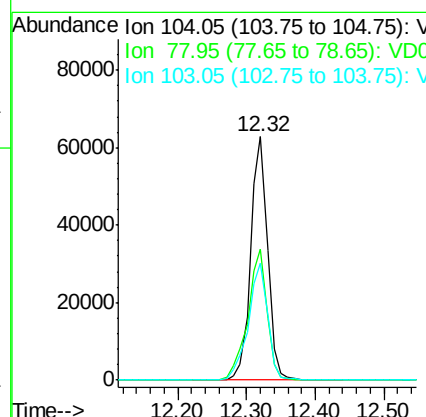
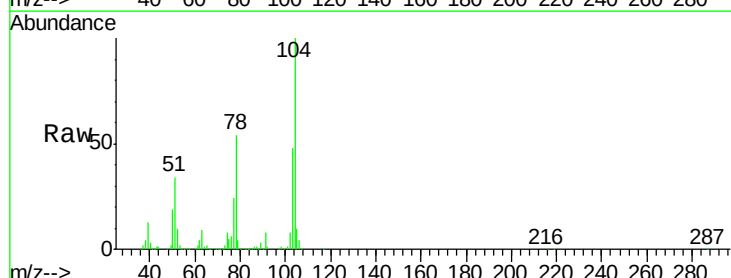
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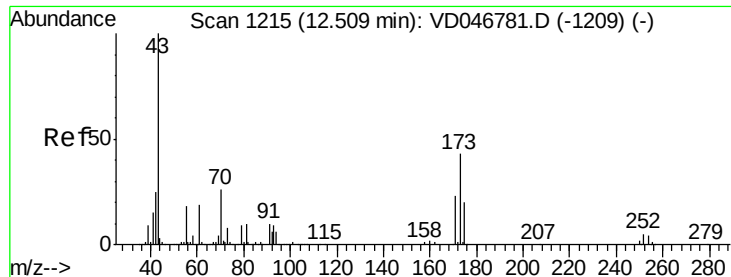
MMDadoda
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#70
Styrene
Concen: 21.37 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion:104 Resp: 106792
Ion Ratio Lower Upper
104 100
78 53.9 44.5 66.7
103 47.9 40.3 60.5





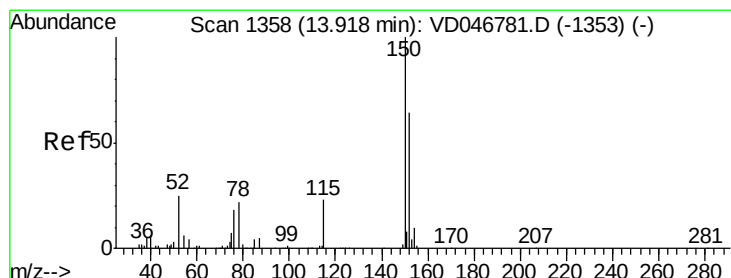
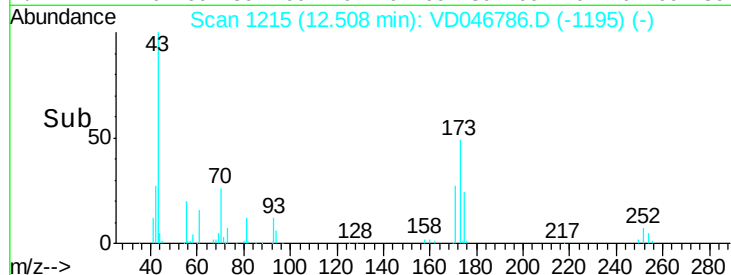
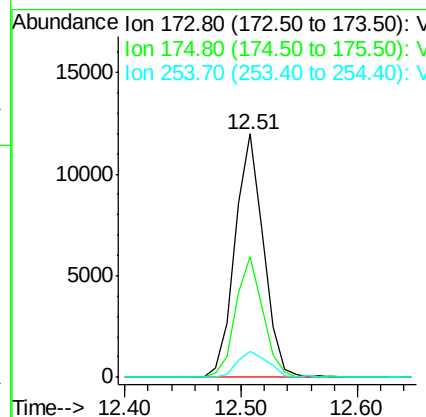
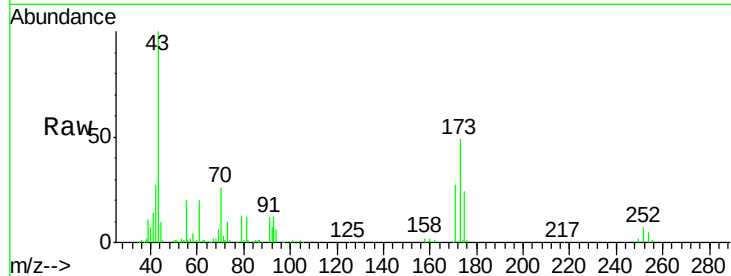
#71
Bromoform
Concen: 20.43 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.1	69.3
254	10.6	8.7	13.1

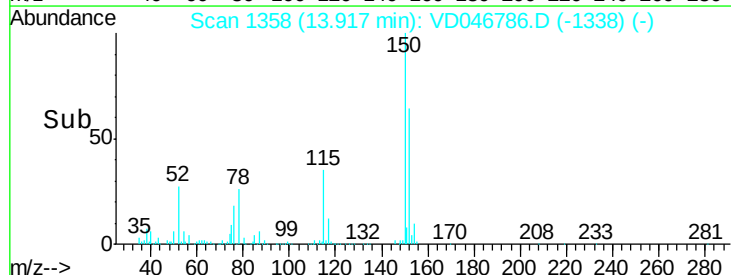
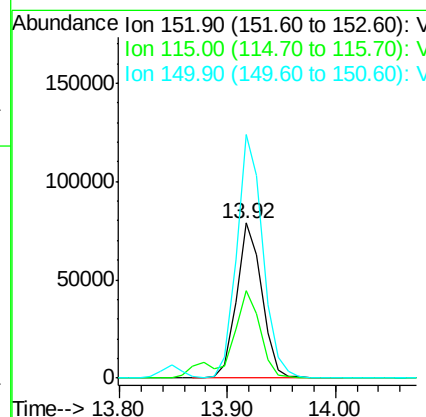
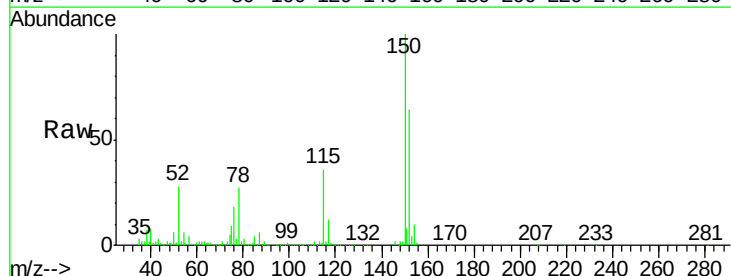
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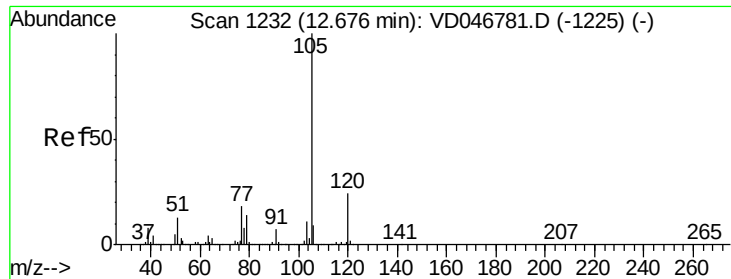
MMDadoda
9/21/2015 11:39:11 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	26.2	78.6
150	157.1	0.0	311.8





#73

Isopropylbenzene

Concen: 21.60 ug/l

RT: 12.68 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 105 Resp: 194899

Ion Ratio Lower Upper

105 100

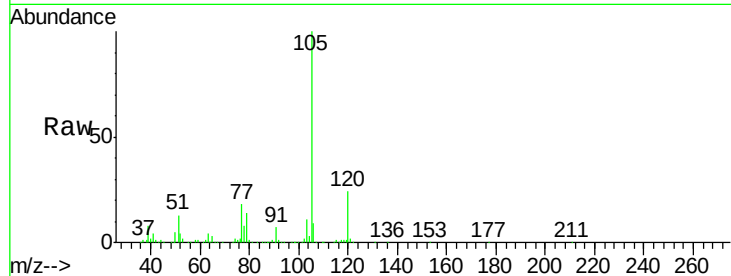
120 23.5 12.4 37.4

Manual Integrations

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9/21/2015 11:39:11 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

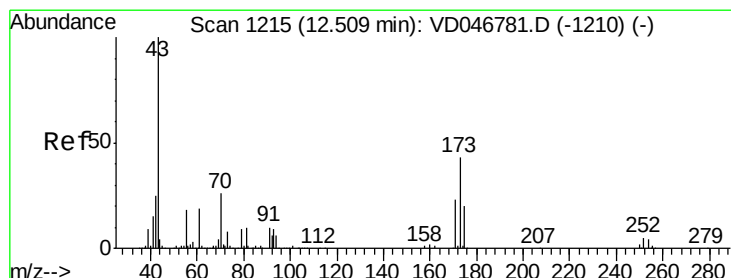
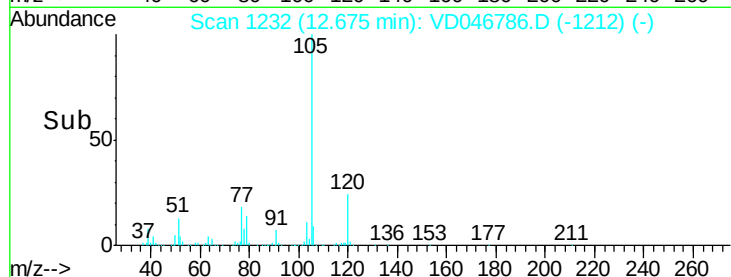
12.68

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.14 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion: 43 Resp: 38656

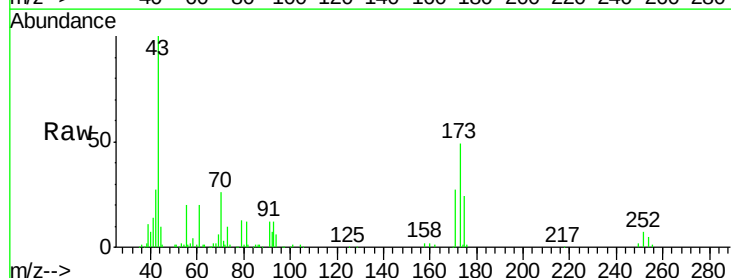
Ion Ratio Lower Upper

43 100

70 26.3 22.1 33.1

55 19.9 14.5 21.7

61 20.2 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

12.51

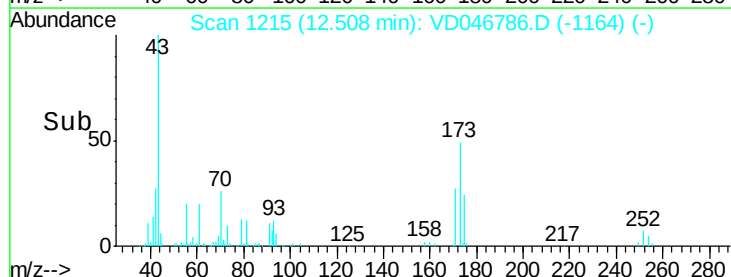
30000

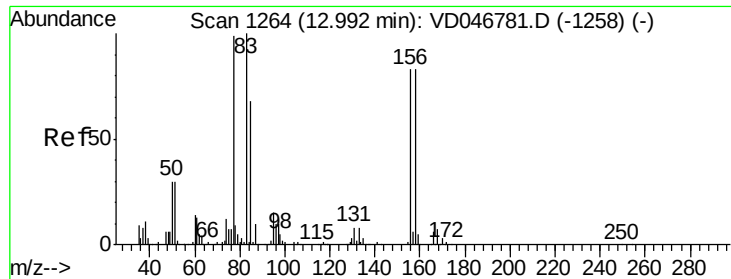
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.76 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

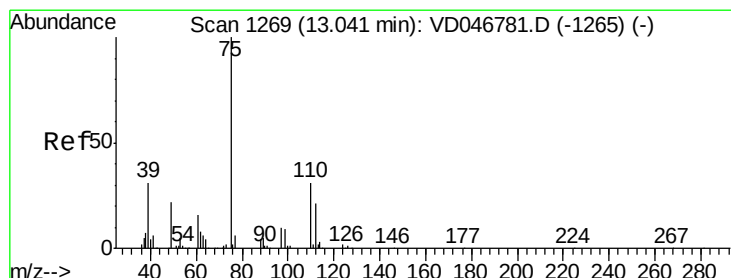
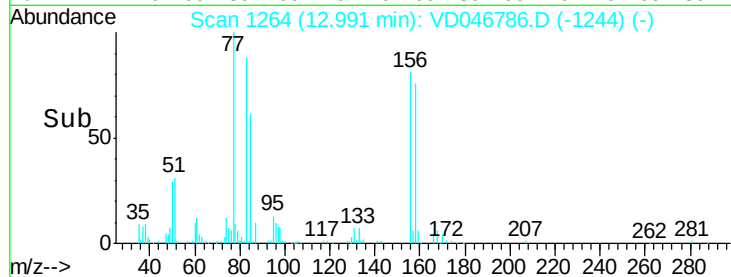
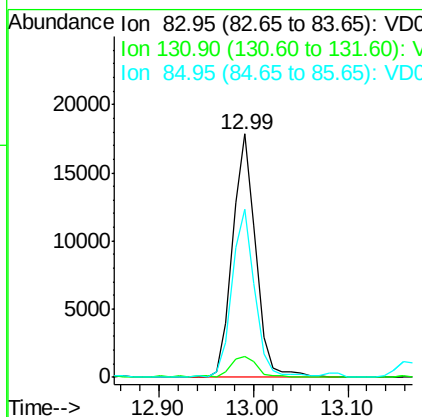
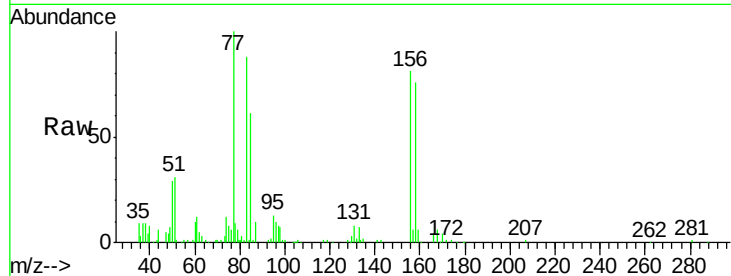
ClientSampleId :

VD0918SBS01

Tgt Ion:	83	Resp:	30223
Ion Ratio	Lower	Upper	
83	100		
131	8.8	3.9	11.7
85	69.1	30.5	91.5

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



#76

1,2,3-Trichloropropane

Concen: 20.06 ug/l

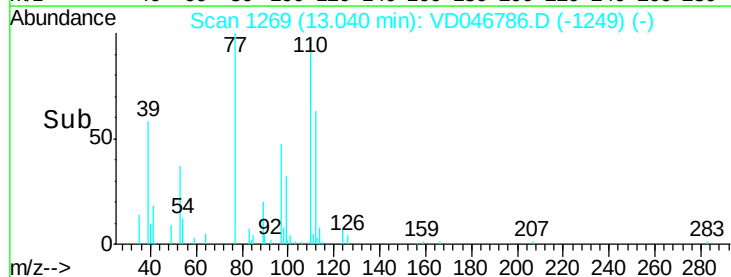
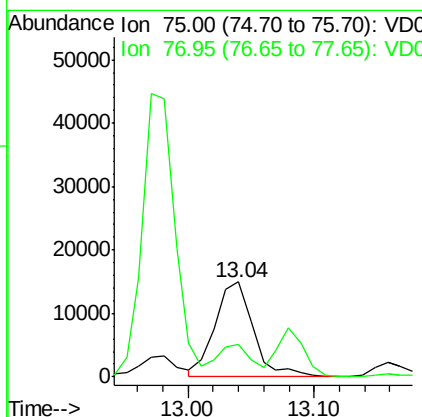
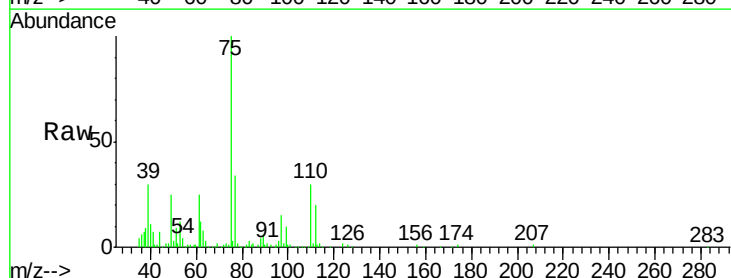
RT: 13.04 min Scan# 1269

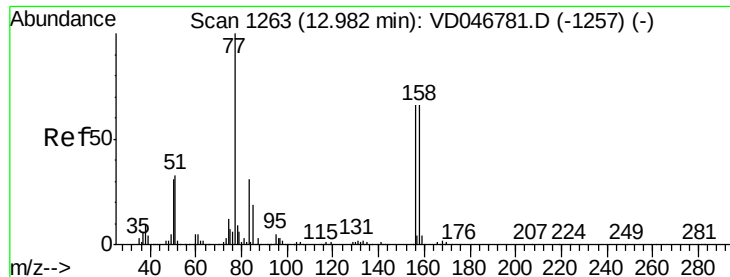
Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion:	75	Resp:	31245
Ion Ratio	Lower	Upper	
75	100		
77	33.8	16.0	48.0





#77

Bromobenzene

Concen: 20.76 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

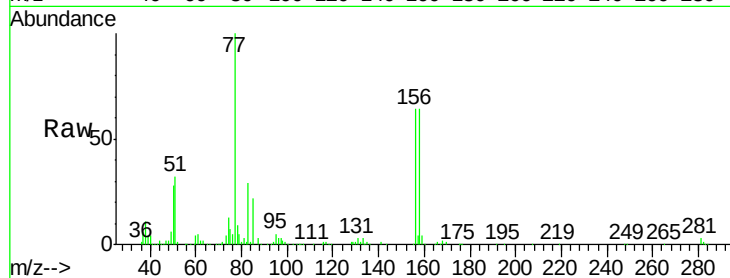
ClientSampleId :

VD0918SBS01

Tgt Ion:	156	Resp:	47096
Ion Ratio	Lower	Upper	
156	100		
77	156.6	70.3	210.8
158	99.7	49.0	147.0

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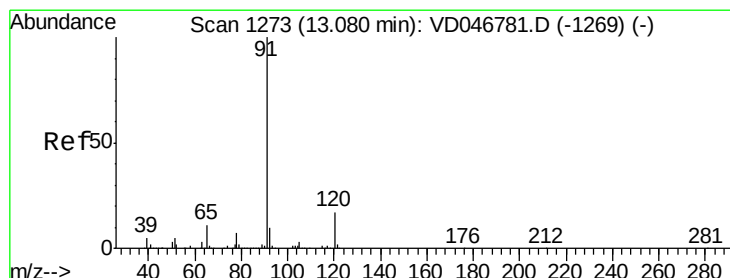
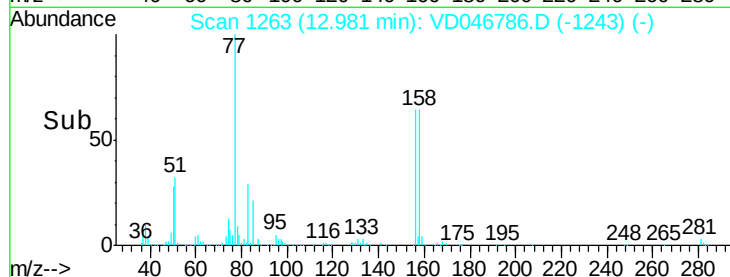
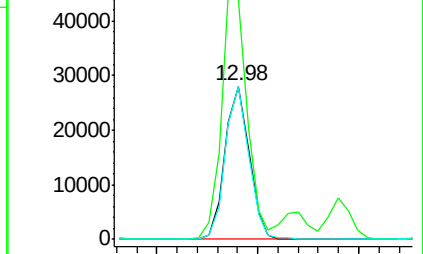
MMDadoda
9/21/2015 11:39:11 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.71 ug/l

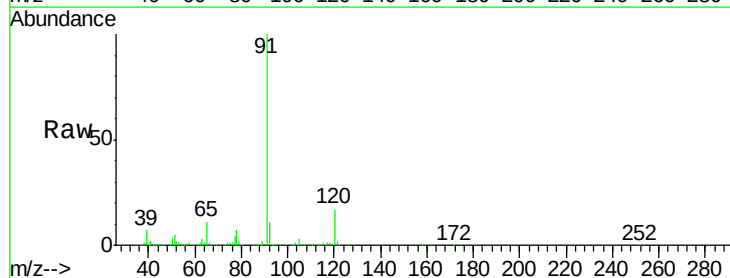
RT: 13.08 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD046786.D

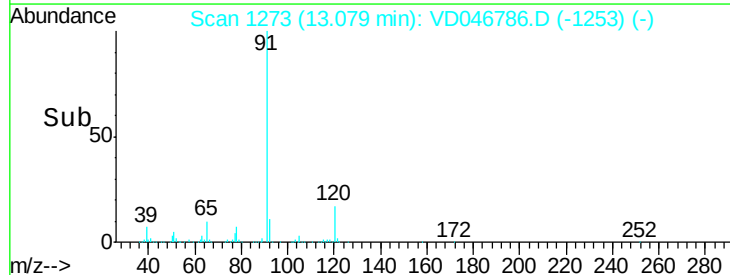
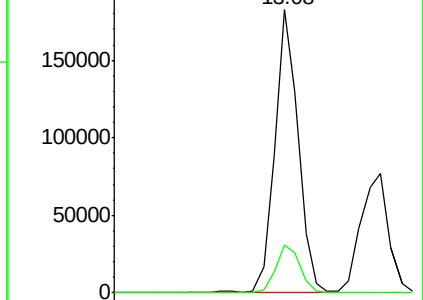
Acq: 18 Sep 2015 16:58

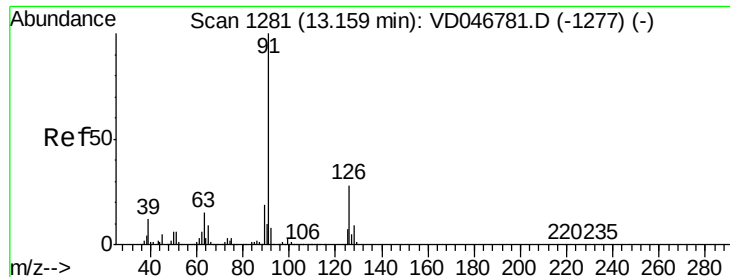
Tgt Ion:	91	Resp:	276637
Ion Ratio	Lower	Upper	
91	100		
120	16.8	9.3	27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.12 ug/l

RT: 13.17 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 91 Resp: 135224

Ion Ratio Lower Upper

91 100

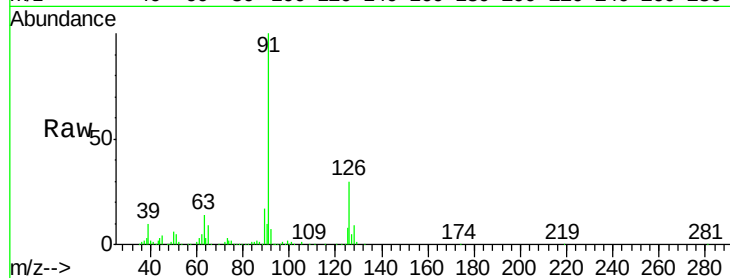
126 29.8 14.1 42.4

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Abundance Ion 91.00 (90.70 to 91.70): VD046786.D (-1277) (-)

Ion 125.95 (125.65 to 126.65): VD046786.D (-1277) (-)

150000

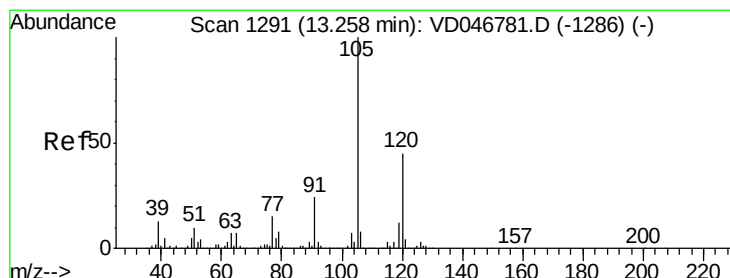
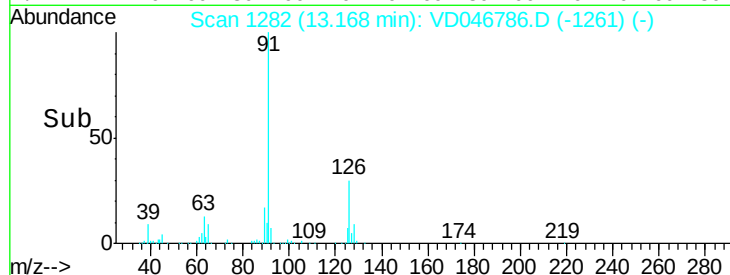
100000

50000

0

13.10 13.15 13.20

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.29 ug/l

RT: 13.26 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VD046786.D

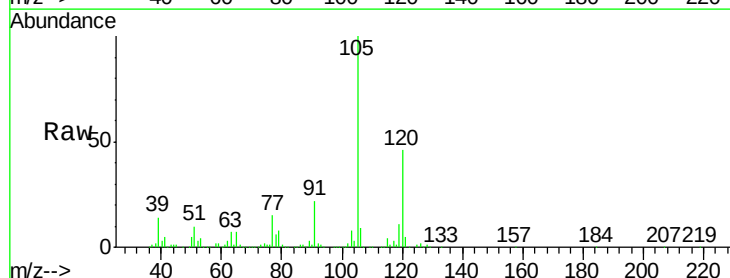
Acq: 18 Sep 2015 16:58

Tgt Ion: 105 Resp: 153030

Ion Ratio Lower Upper

105 100

120 45.8 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): VD046786.D (-1271) (-)

Ion 120.05 (119.75 to 120.75): VD046786.D (-1271) (-)

100000

80000

60000

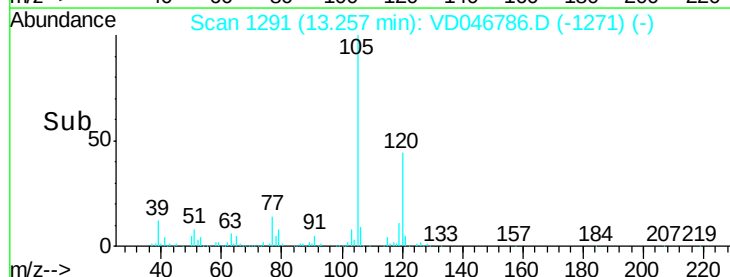
40000

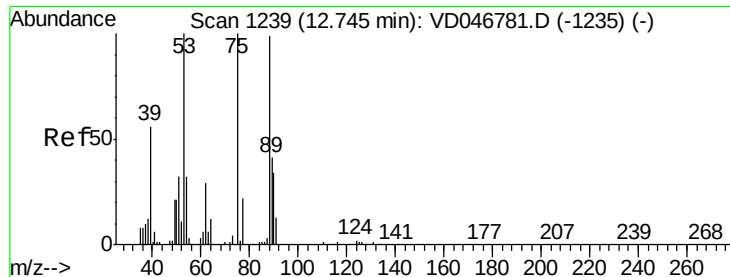
20000

0

13.20 13.30

Time-->





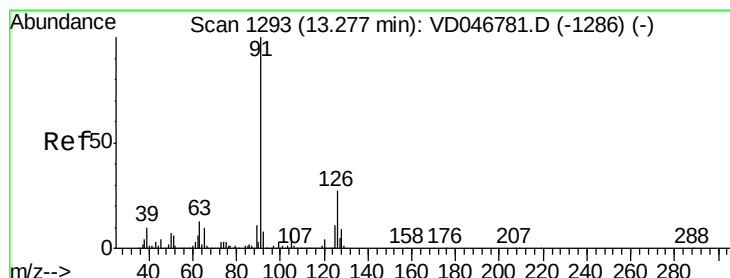
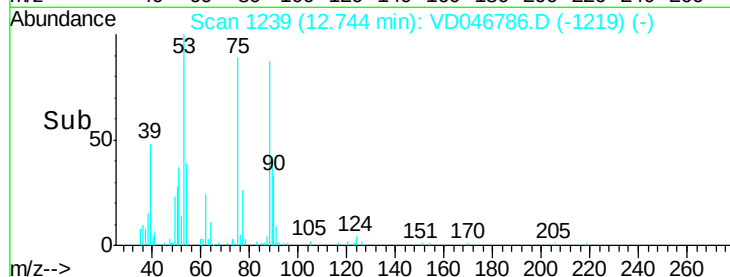
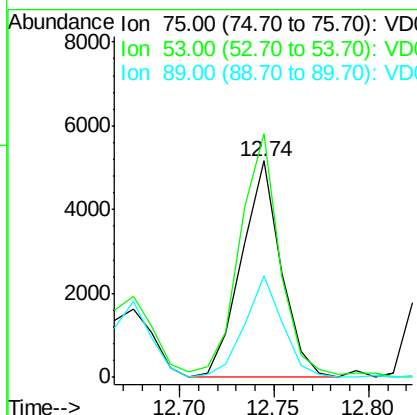
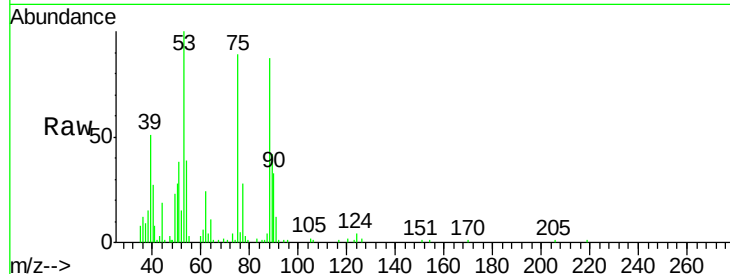
#81
trans-1,4-Dichloro-2-butene
Concen: 20.03 ug/l
RT: 12.74 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	112.6	82.3	123.5
89	47.0	36.6	54.8

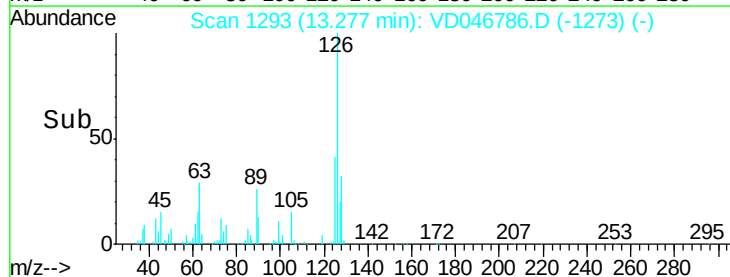
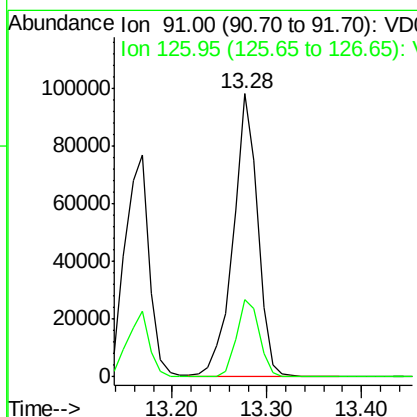
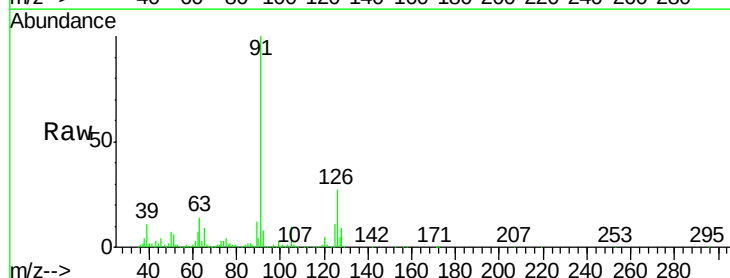
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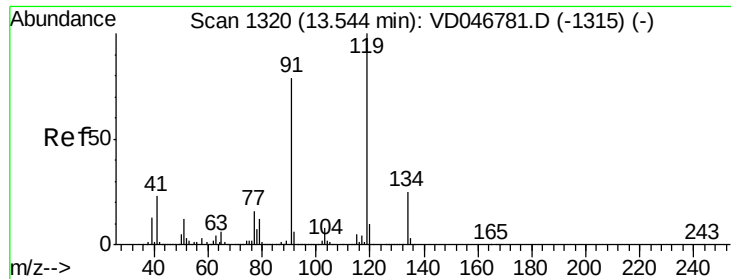
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#82
4-Chlorotoluene
Concen: 20.86 ug/l
RT: 13.28 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4





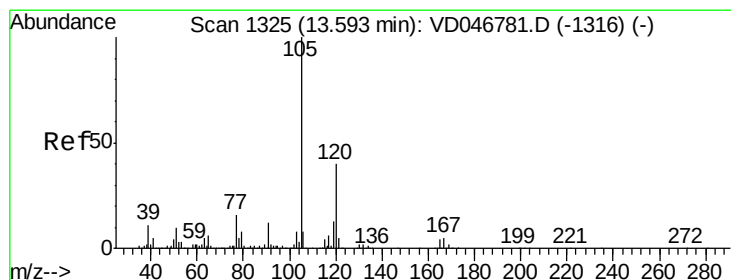
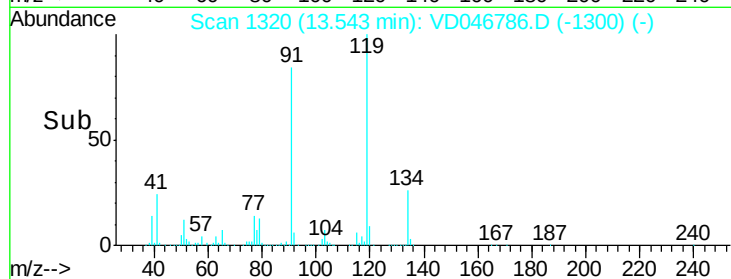
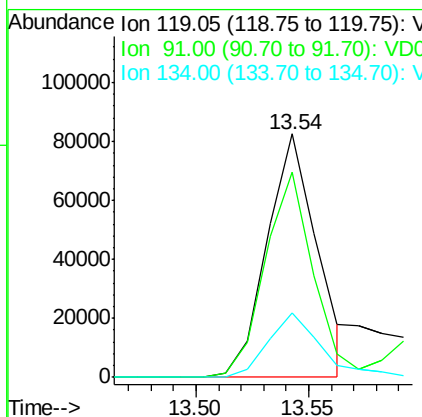
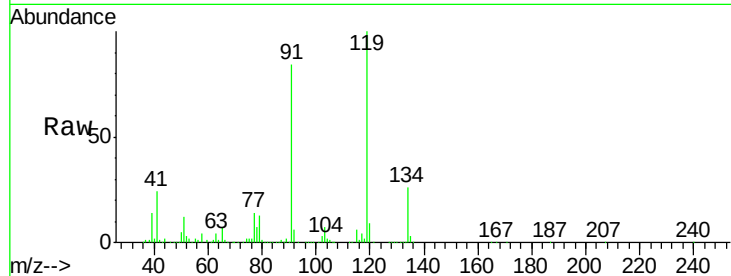
#83
 tert-Butylbenzene
 Concen: 19.66 ug/l m
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	127413		
91	84.1	41.6	124.9	
134	26.4	12.4	37.4	

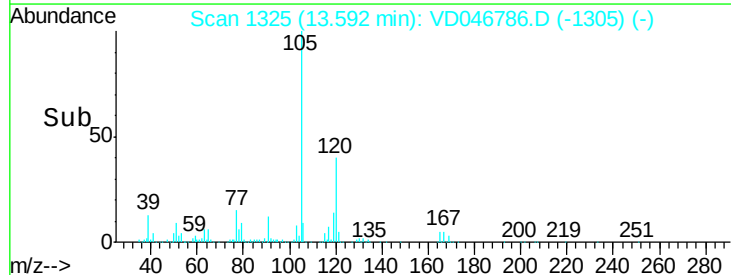
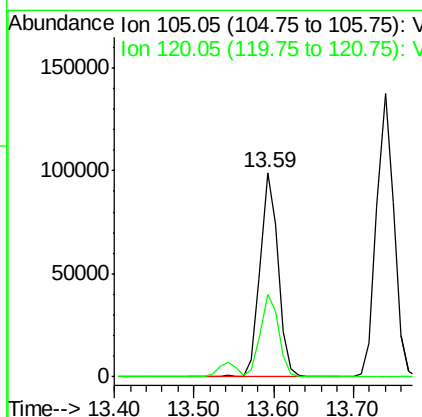
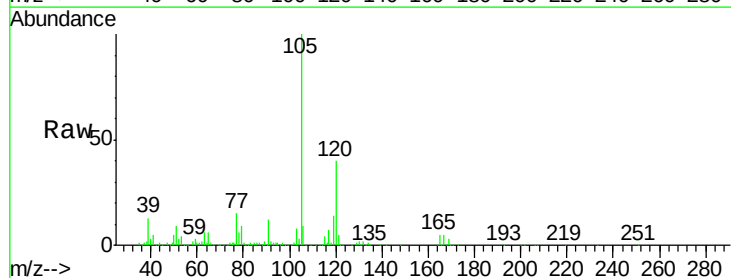
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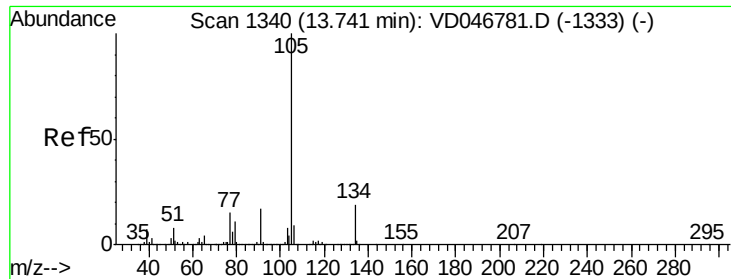
MMDadoda
 9/21/2015 11:39:11 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.19 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	153353		
120	40.0	21.1	63.1	





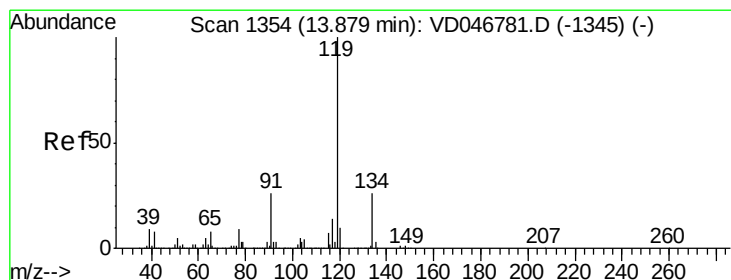
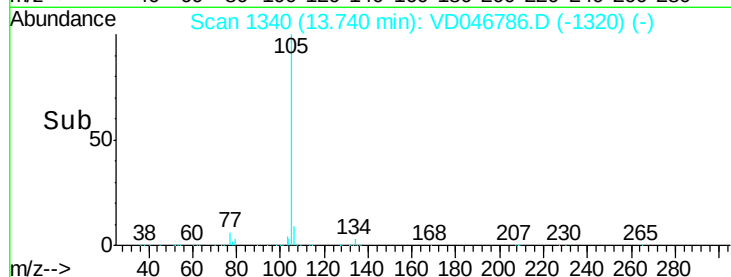
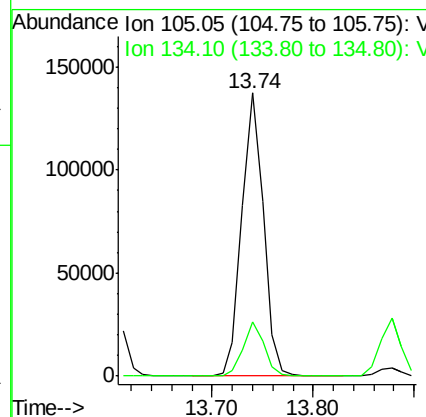
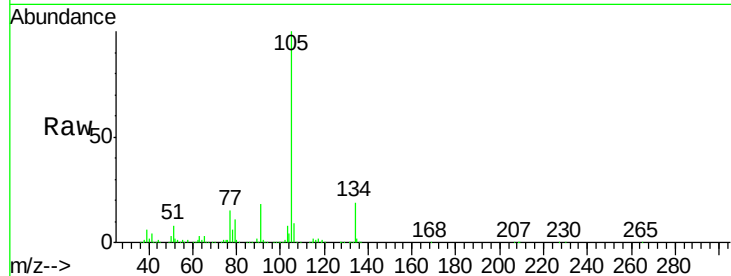
#85
 sec-Butylbenzene
 Concen: 21.55 ug/l
 RT: 13.74 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	205341		
134	19.2	10.1	30.3	

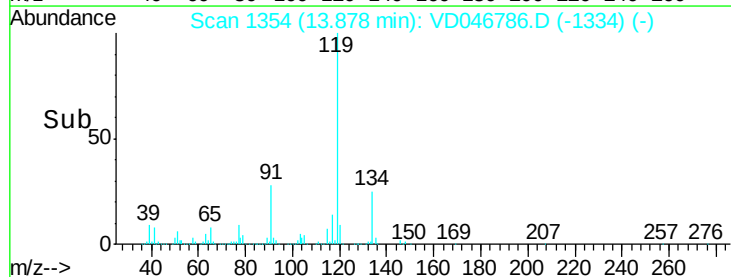
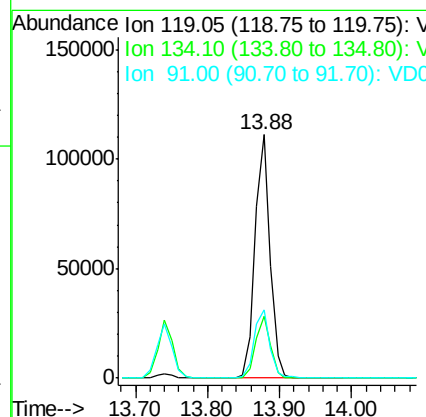
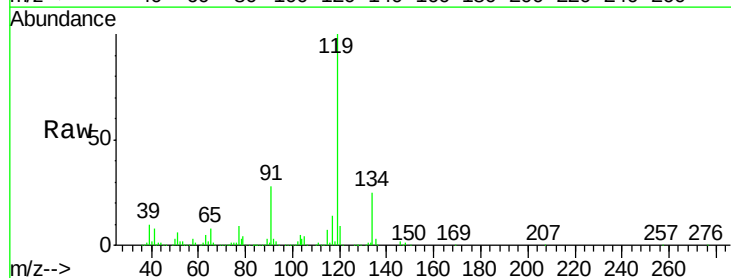
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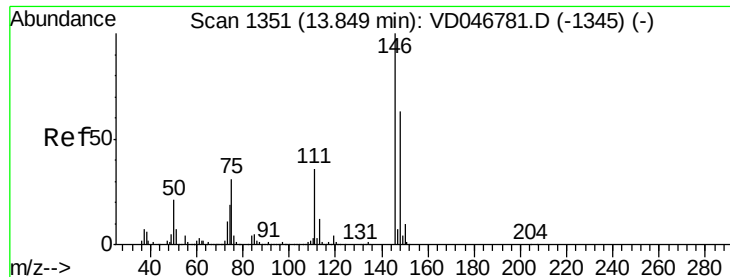
MMDadoda
 9/21/2015 11:39:11 AM



#86
 p-Isopropyltoluene
 Concen: 21.75 ug/l
 RT: 13.88 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	162851		
134	25.2	13.0	38.9	
91	27.8	13.8	41.3	





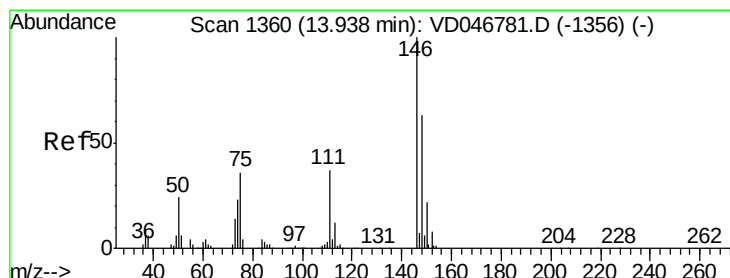
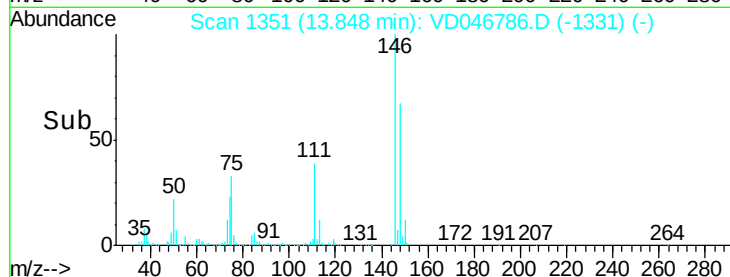
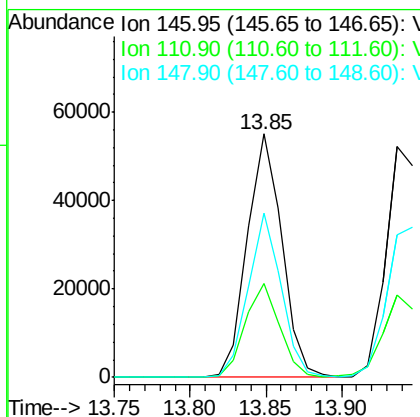
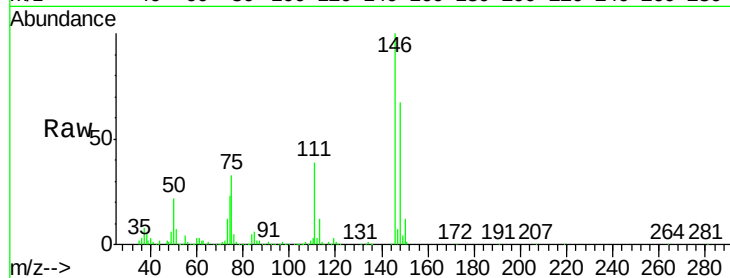
#87
 1,3-Dichlorobenzene
 Concen: 20.87 ug/l
 RT: 13.85 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	17.4	52.2
148	67.5	33.0	99.0

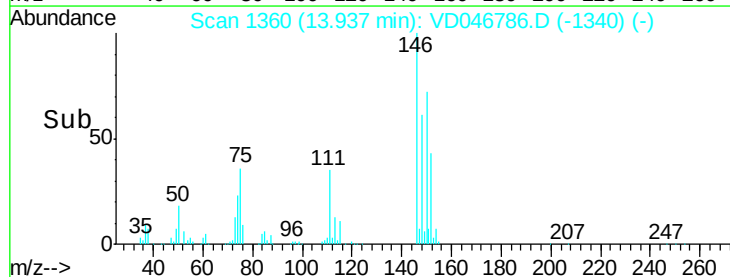
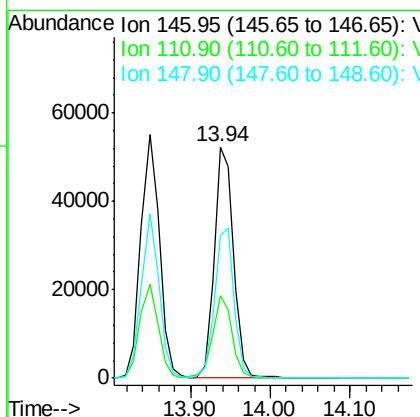
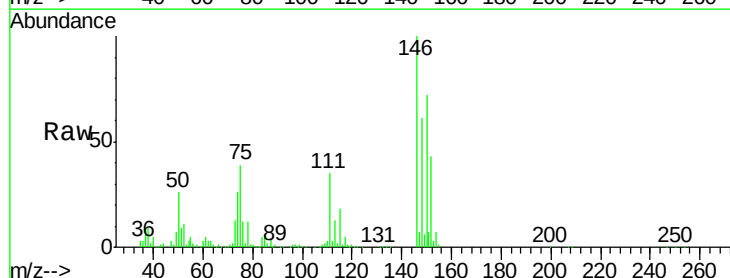
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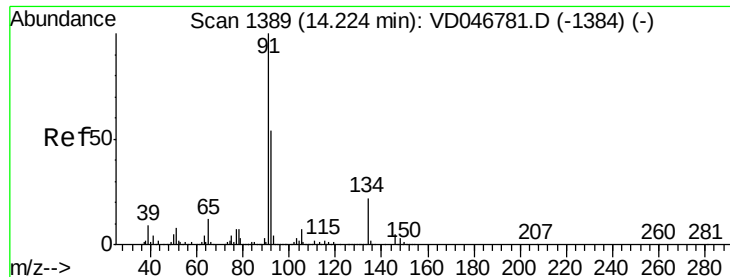
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 21.22 ug/l
 RT: 13.94 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.0	51.0
148	61.5	31.9	95.7





#89

n-Butylbenzene

Concen: 21.72 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

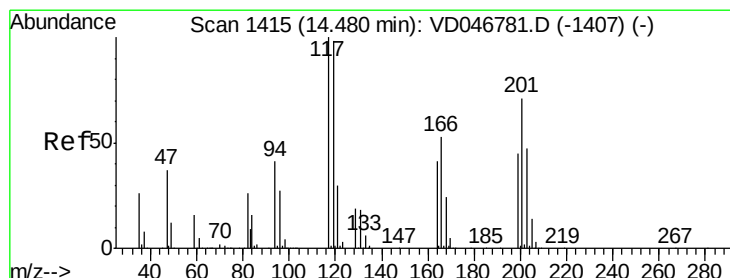
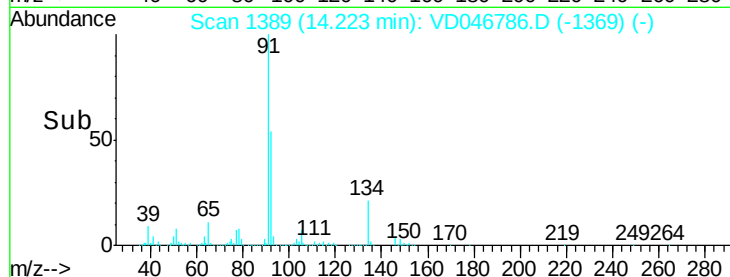
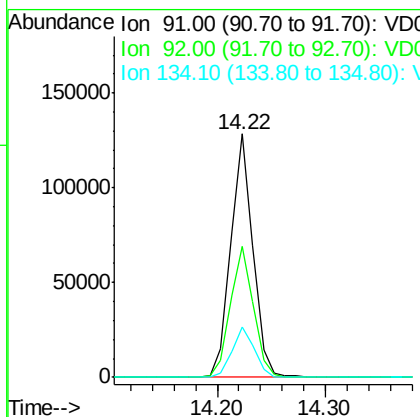
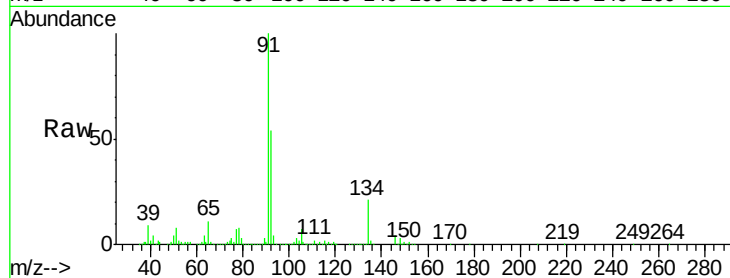
ClientSampleId :

VD0918SBS01

Tgt Ion:	91	Resp:	183660
Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	20.7	9.6	28.6

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#90

Hexachloroethane

Concen: 21.15 ug/l

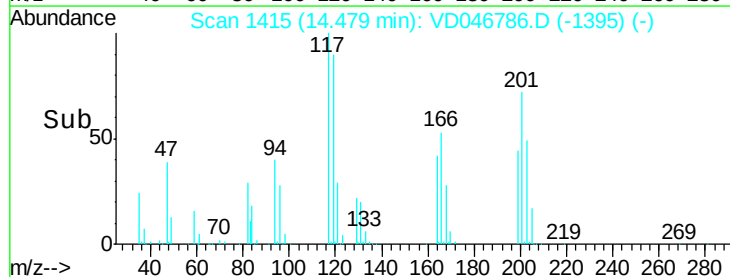
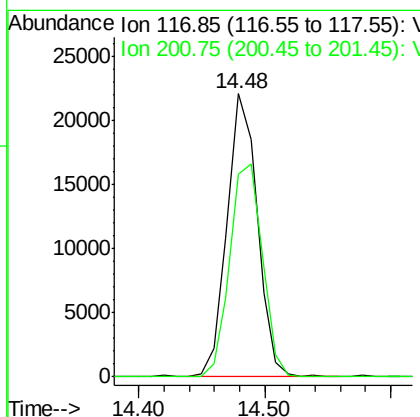
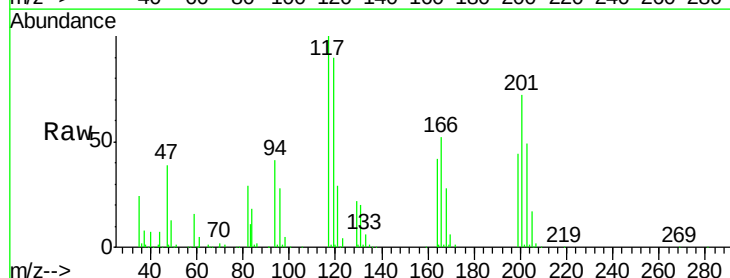
RT: 14.48 min Scan# 1415

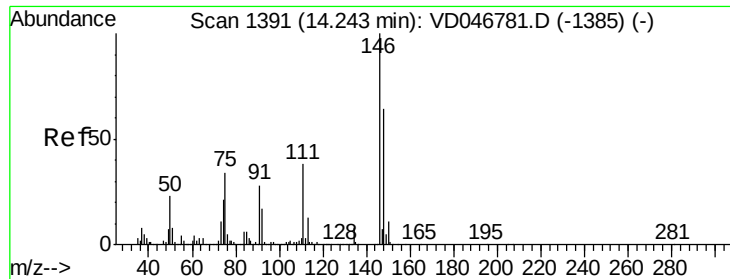
Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion:	117	Resp:	36718
Ion	Ratio	Lower	Upper
117	100		
201	71.7	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 21.51 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

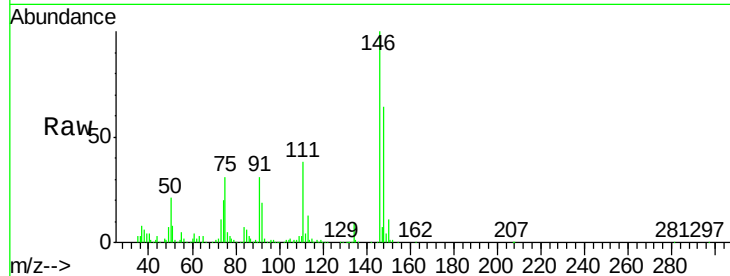
ClientSampleId :

VD0918SBS01

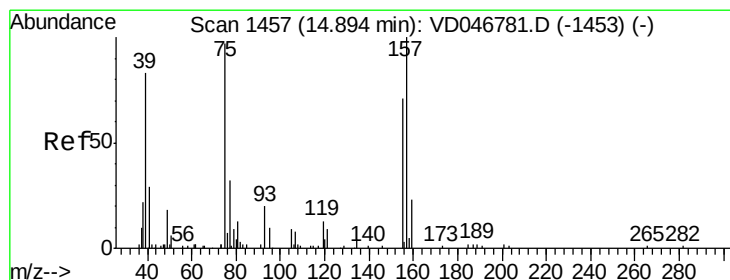
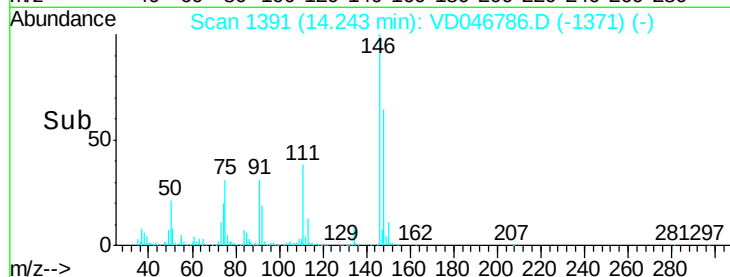
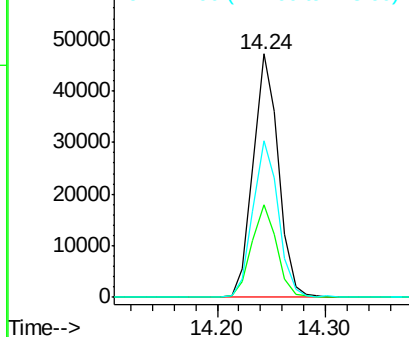
Tgt Ion:	146	Resp:	76491
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.2	54.6
148	64.3	31.1	93.3

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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.19 ug/l

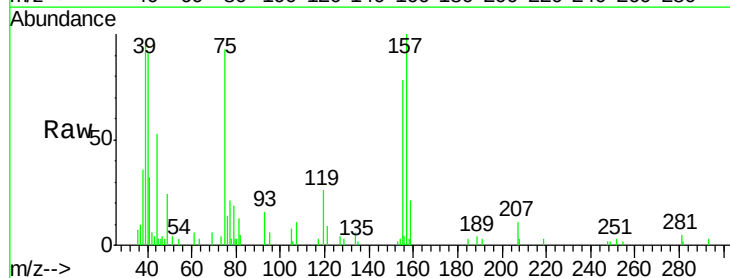
RT: 14.89 min Scan# 1457

Delta R.T. -0.00 min

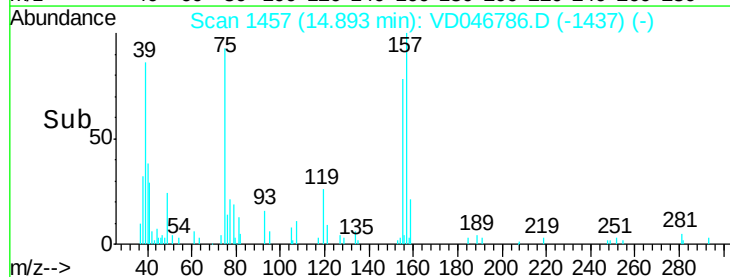
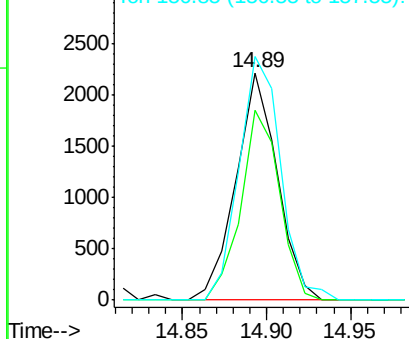
Lab File: VD046786.D

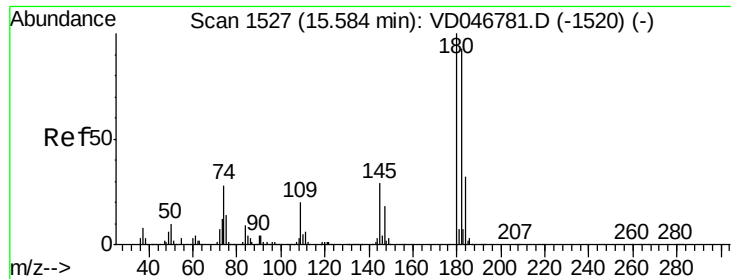
Acq: 18 Sep 2015 16:58

Tgt Ion:	75	Resp:	3778
Ion Ratio	Lower	Upper	
75	100		
155	83.7	41.4	124.4
157	107.0	65.0	195.1



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 154.90 (154.60 to 155.60): V
Ion 156.85 (156.55 to 157.55): V





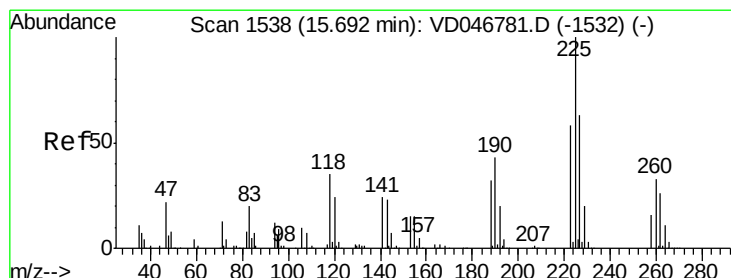
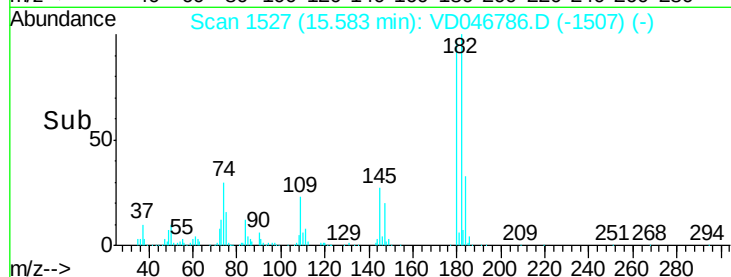
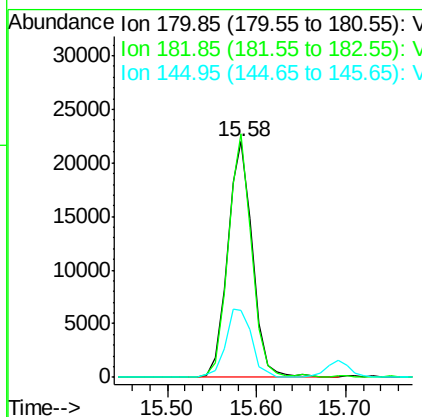
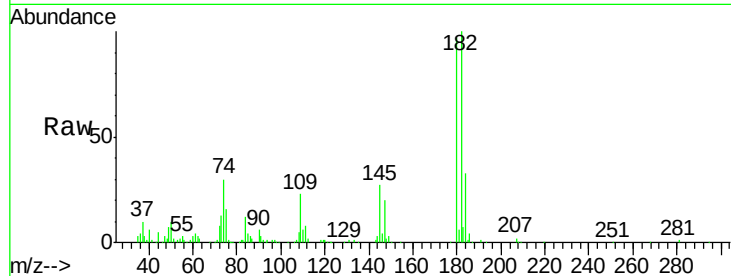
#93
 1,2,4-Trichlorobenzene
 Concen: 21.09 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43172		
182	103.3	47.5	142.5	
145	28.3	14.6	44.0	

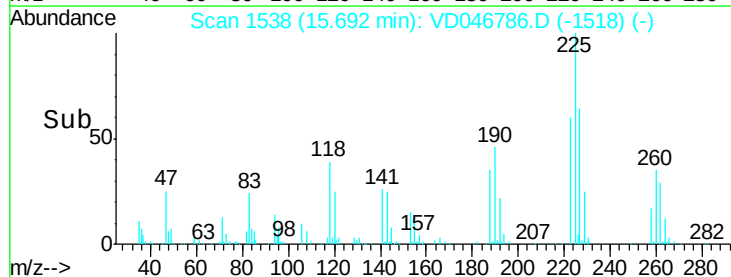
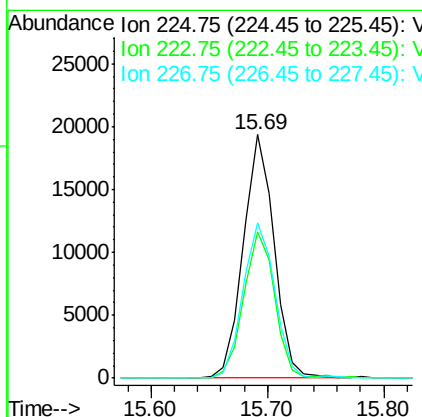
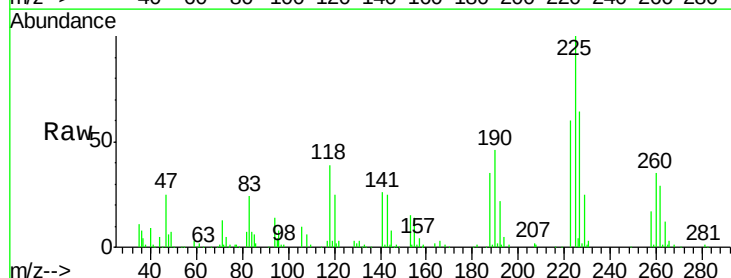
Manual Integrations
 APPROVED

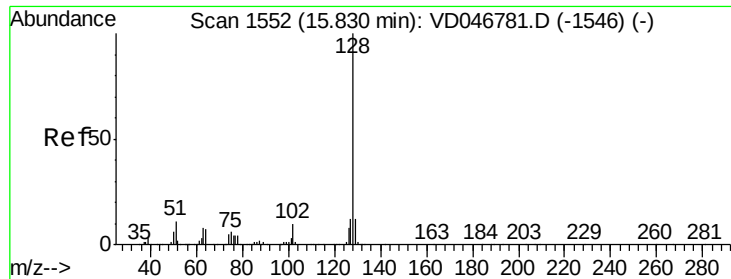
MMDadoda
 9/21/2015 11:39:11 AM



#94
 Hexachlorobutadiene
 Concen: 21.05 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35477		
223	59.9	30.4	91.2	
227	63.6	31.3	93.9	





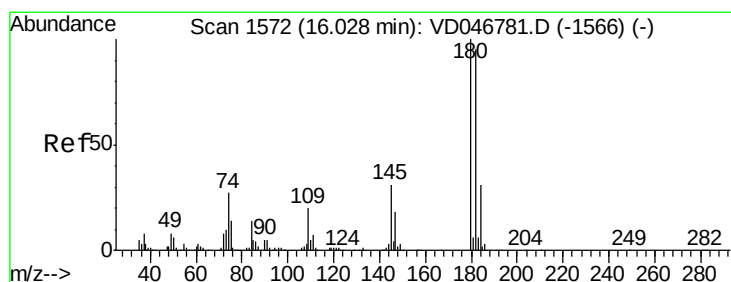
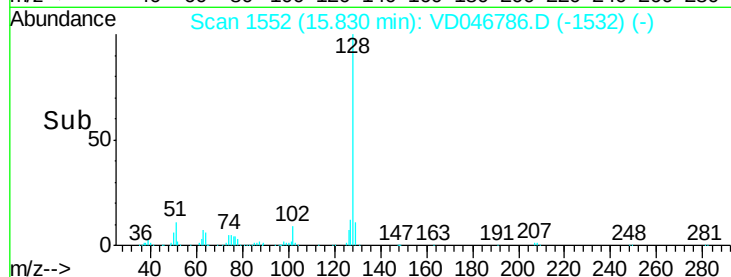
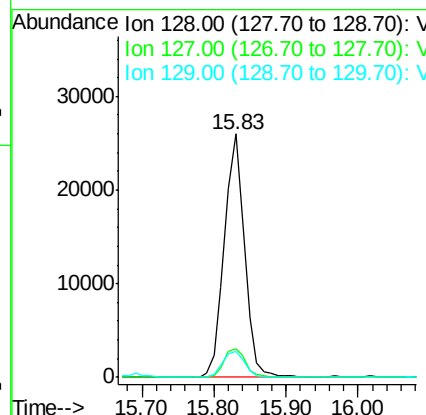
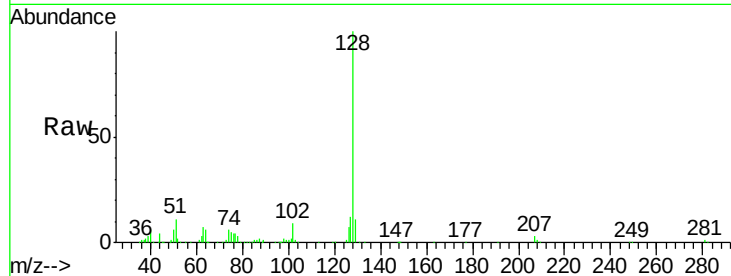
#95
Naphthalene
Concen: 20.16 ug/l
RT: 15.83 min Scan# 1552
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	50610		
127	11.7	9.8	14.6	
129	10.9	8.6	12.8	

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 21.28 ug/l
RT: 16.03 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	36410		
182	94.5	47.4	142.3	
145	32.8	15.4	46.4	

