

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060910.D
 Acq On : 1 Mar 2019 15:40
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:03 AM

Quant Time: Mar 02 01:25:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	659465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1142492	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	920585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	411030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	57793	11.79	ug/l	0.00
Spiked Amount			Recovery	=	23.58%	
35) Dibromofluoromethane	6.91	113	95142	11.14	ug/l	0.00
Spiked Amount			Recovery	=	22.28%	
50) Toluene-d8	10.40	98	257821	11.15	ug/l	0.00
Spiked Amount			Recovery	=	22.30%	
62) 4-Bromofluorobenzene	13.55	95	96419	10.73	ug/l	0.00
Spiked Amount			Recovery	=	21.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	81342	11.311	ug/l	95
3) Chloromethane	1.76	50	67945	15.369	ug/l	100
4) Vinyl Chloride	1.84	62	58507	14.240	ug/l	99
5) Bromomethane	2.15	94	12646	16.450	ug/l #	80
6) Chloroethane	2.27	64	17243	15.466	ug/l	94
7) Trichlorofluoromethane	2.52	101	74692	11.215	ug/l	99
8) Diethyl Ether	2.87	74	29357	25.632	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.14	101	101605	24.808	ug/l	88
10) Methyl Iodide	3.30	142	78005	6.671	ug/l	96
11) Tert butyl alcohol	4.06	59	22017	59.155	ug/l	99
12) 1,1-Dichloroethene	3.12	96	86883	28.396	ug/l	93
13) Acrolein	3.03	56	34159	165.534	ug/l	99
14) Allyl chloride	3.61	41	135065	13.521	ug/l #	90
15) Acrylonitrile	4.19	53	87340	75.150	ug/l	95
16) Acetone	3.21	43	103598	69.665	ug/l #	89
17) Carbon Disulfide	3.37	76	293391	12.978	ug/l	99
18) Methyl Acetate	3.63	43	39721	12.874	ug/l #	89
19) Methyl tert-butyl Ether	4.23	73	147821	11.525	ug/l	93
20) Methylene Chloride	3.81	84	116007	13.886	ug/l #	83
21) trans-1,2-Dichloroethene	4.21	96	91627	13.513	ug/l	97
22) Diisopropyl ether	5.10	45	296392	15.126	ug/l	97
23) Vinyl Acetate	5.04	43	784413	70.742	ug/l	98
24) 1,1-Dichloroethane	4.97	63	149951	14.008	ug/l	99
25) 2-Butanone	6.06	43	124375	63.369	ug/l	98
26) 2,2-Dichloropropane	6.01	77	110793	10.903	ug/l	91
27) cis-1,2-Dichloroethene	6.03	96	101049	13.571	ug/l	98
28) Bromochloromethane	6.42	49	57574	13.672	ug/l	95
29) Tetrahydrofuran	6.44	42	63260	64.680	ug/l	94
30) Chloroform	6.66	83	141813	11.199	ug/l	98
31) Cyclohexane	6.94	56	133689	15.058	ug/l	86
32) 1,1,1-Trichloroethane	6.85	97	129756	13.162	ug/l	97
36) 1,1-Dichloropropene	7.13	75	118387	9.904	ug/l	93
37) Ethyl Acetate	6.17	43	60367	10.742	ug/l	98
38) Carbon Tetrachloride	7.10	117	123845	11.166	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.85	83	124387	9.789	ug/l #	82
40) Benzene	7.45	78	297558	10.017	ug/l	99
41) Methacrylonitrile	6.43	41	35398m	11.660	ug/l	
42) 1,2-Dichloroethane	7.56	62	83236	10.302	ug/l	99
43) Isopropyl Acetate	9.23	43	80213	10.077	ug/l #	94
44) Trichloroethene	8.53	130	98698	10.189	ug/l	95
45) 1,2-Dichloropropane	8.93	63	78151	11.262	ug/l	96
46) Dibromomethane	9.05	93	48907	9.809	ug/l	92
47) Bromodichloromethane	9.37	83	106673	9.021	ug/l	97
48) Methyl methacrylate	9.11	41	48566	10.597	ug/l	92
49) 1,4-Dioxane	9.07	88	9168	190.967	ug/l #	95
51) 4-Methyl-2-Pentanone	10.29	43	258545	52.653	ug/l	93
52) Toluene	10.50	92	195732	11.376	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	102282	9.370	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	123343	9.808	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	62492	10.589	ug/l	94
56) Ethyl methacrylate	11.03	69	65789	9.796	ug/l	95
57) 1,3-Dichloropropane	11.40	76	87399	8.992	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	173015	53.768	ug/l	99
59) 2-Hexanone	11.52	43	187309	49.686	ug/l	98
60) Dibromochloromethane	11.67	129	88383	10.422	ug/l	99
61) 1,2-Dibromoethane	11.80	107	70813	10.599	ug/l	97
64) Tetrachloroethene	11.25	164	80611	9.800	ug/l #	90
65) Chlorobenzene	12.39	112	226109	12.118	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	82859	11.159	ug/l	96
67) Ethyl Benzene	12.52	91	350908	11.049	ug/l	94
68) m/p-Xylenes	12.66	106	287382	25.603	ug/l	85
69) o-Xylene	13.04	106	131377	12.153	ug/l	83
70) Styrene	13.07	104	210472	11.584	ug/l	95
71) Bromoform	13.22	173	50140	8.492	ug/l	97
73) Isopropylbenzene	13.39	105	375649	15.619	ug/l	98
74) N-amyl acetate	13.25	43	104631	12.587	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	74843	12.635	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	74891	12.245	ug/l	98
77) Bromobenzene	13.67	156	93289	12.052	ug/l	87
78) n-propylbenzene	13.77	91	438882	13.676	ug/l	97
79) 2-Chlorotoluene	13.83	91	246316	13.420	ug/l	97
80) 1,3,5-Trimethylbenzene	14.23	105	296004	14.975	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	21167	10.862	ug/l	97
82) 4-Chlorotoluene	13.94	91	274295	13.621	ug/l	93
83) tert-Butylbenzene	14.18	119	325888	14.277	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	296004	14.975	ug/l	98
85) sec-Butylbenzene	14.37	105	369261	14.491	ug/l	95
86) p-Isopropyltoluene	14.48	119	309716	14.473	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	155893	11.012	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	158947	11.625	ug/l	98
89) n-Butylbenzene	14.79	91	300310	13.546	ug/l	95
90) Hexachloroethane	15.01	117	81710	13.456	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	143848	12.204	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	15.38	75	8224	9.914	ug/l	78

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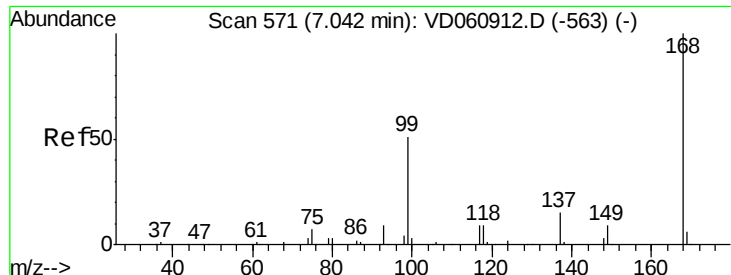
Manual Integrations
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3/6/2019 5:33:03 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	77989	9.349	ug/l	98
94) Hexachlorobutadiene	16.03	225	46497	9.290	ug/l	94
95) Naphthalene	16.12	128	128869	10.247	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	48573	7.572	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

Tot Ion:168 Resp: 659465

Ion Ratio Lower Upper

168 100

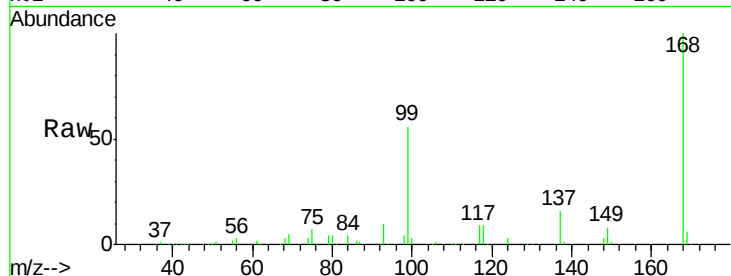
99 56.2 38.2 57.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

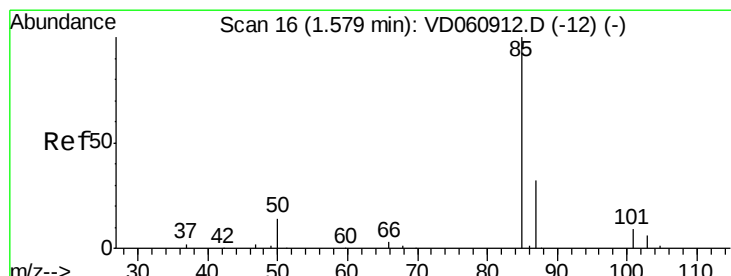
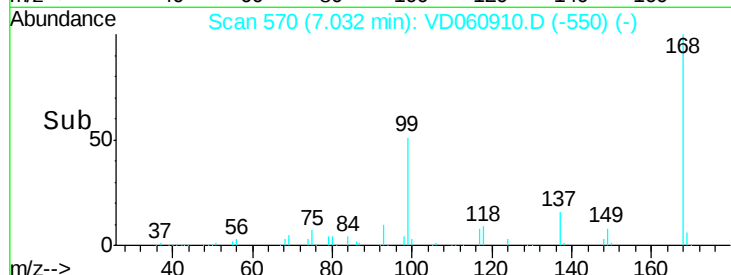
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50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 11.311 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD060910.D

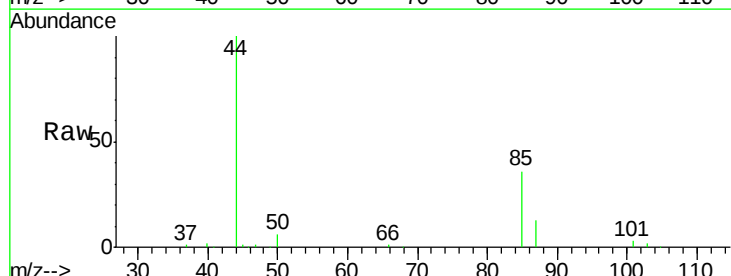
Acq: 1 Mar 2019 15:40

Tgt Ion: 85 Resp: 81342

Ion Ratio Lower Upper

85 100

87 34.7 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

30000

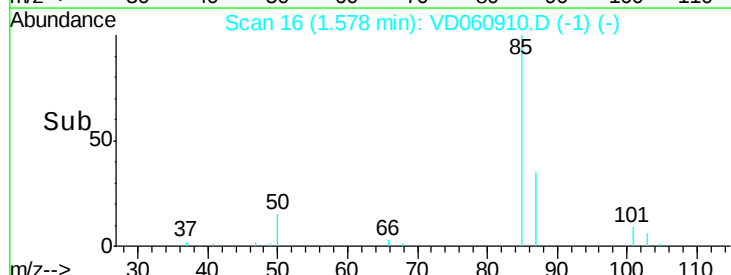
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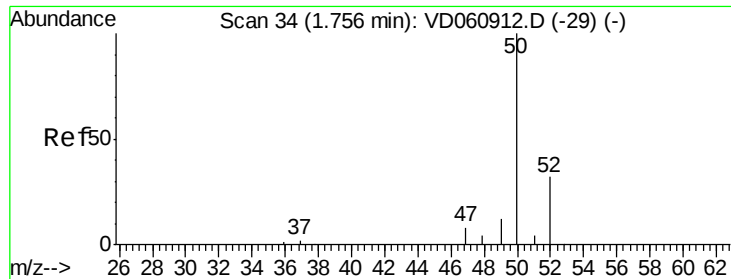
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0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 15.369 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 67945

Ion Ratio Lower Upper

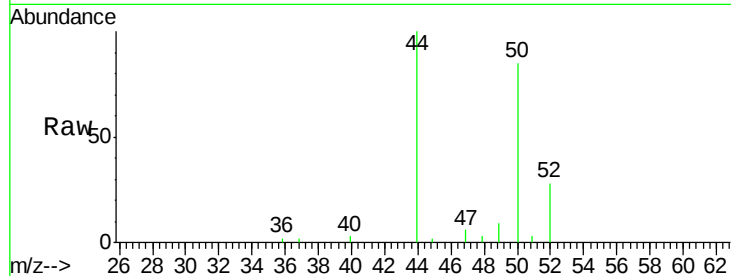
50 100

52 33.4 26.8 40.2

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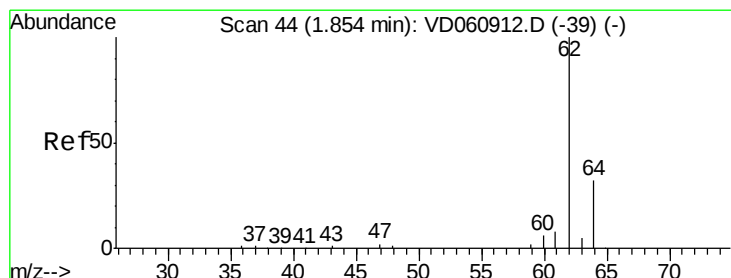
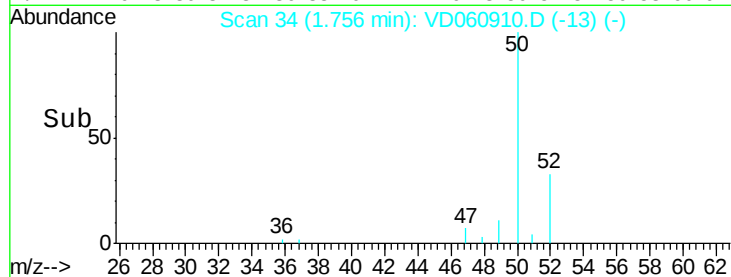
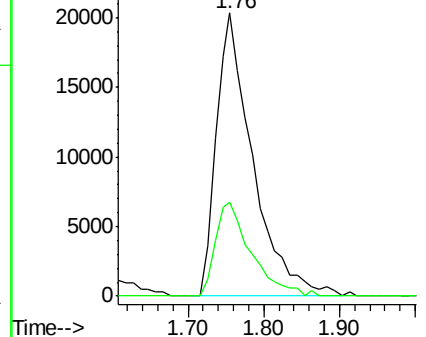
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 14.240 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.02 min

Lab File: VD060910.D

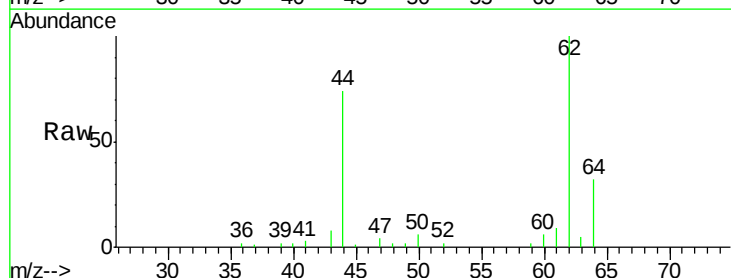
Acq: 1 Mar 2019 15:40

Tgt Ion: 62 Resp: 58507

Ion Ratio Lower Upper

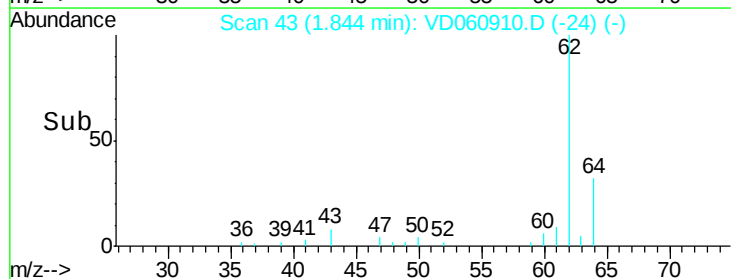
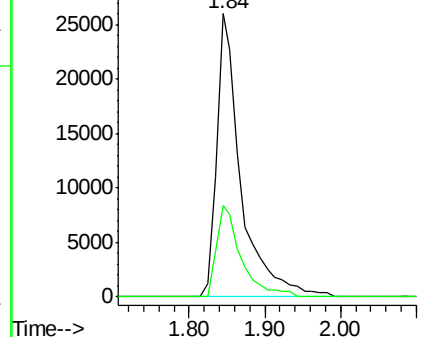
62 100

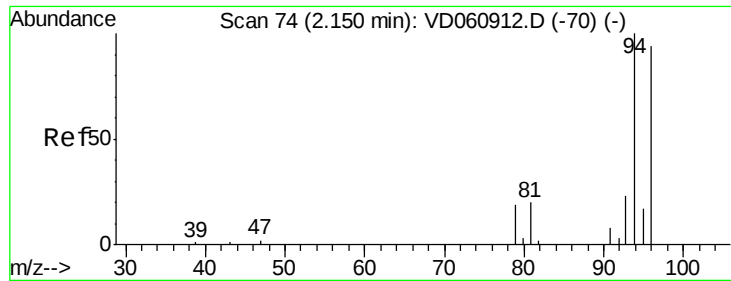
64 32.1 26.3 39.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.450 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

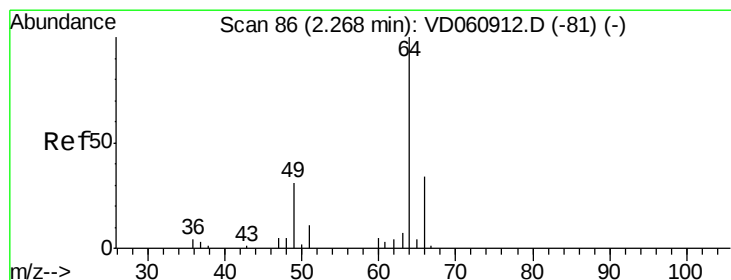
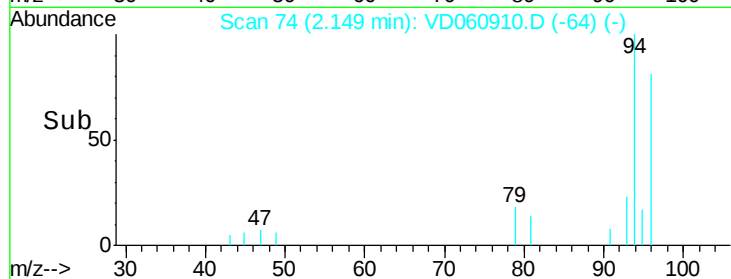
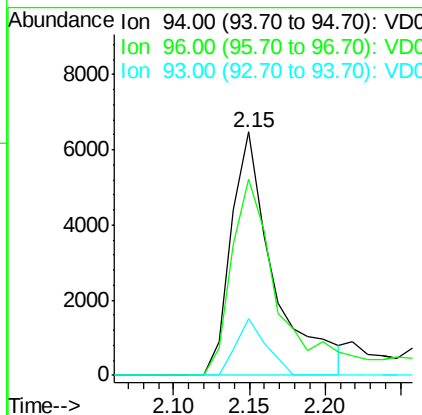
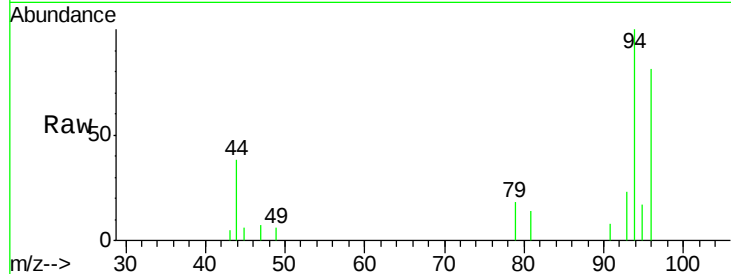
ClientSampleId :

VSTDIC010

Tot Ion:	94	Resp:	12646
Ion	Ratio	Lower	Upper
94	100		
96	80.9	81.0	121.4#
93	23.3	0.0	0.0#

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#6

Chloroethane

Concen: 15.466 ug/l

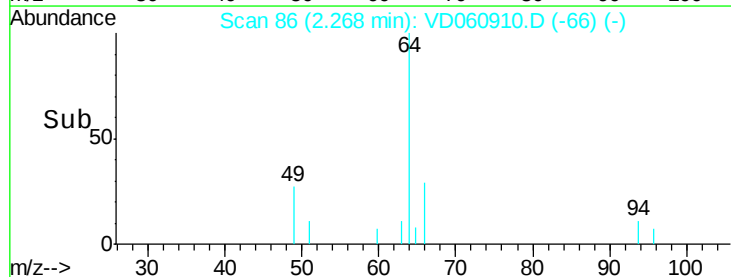
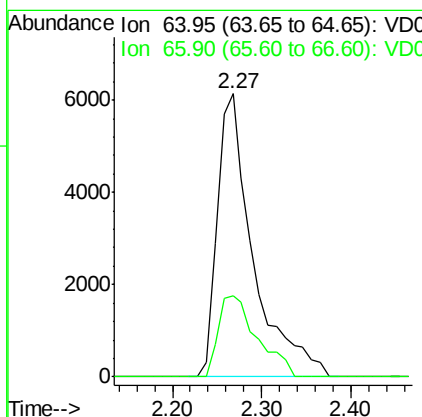
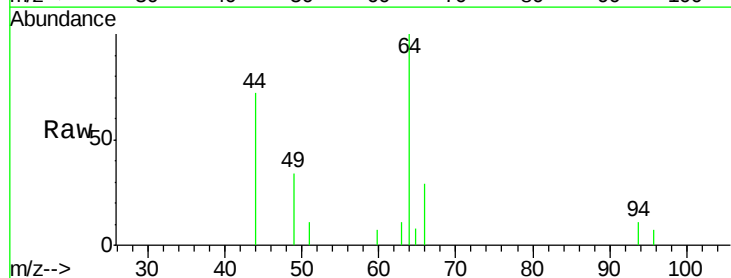
RT: 2.27 min Scan# 86

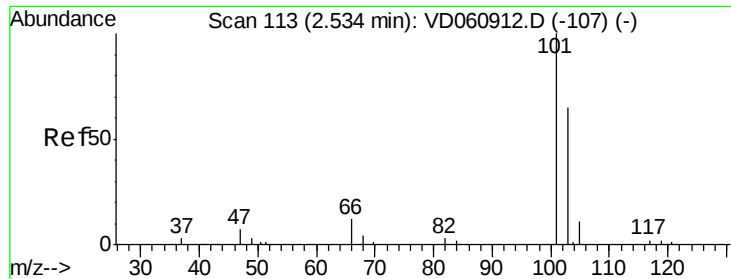
Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion:	64	Resp:	17243
Ion	Ratio	Lower	Upper
64	100		
66	28.8	25.8	38.6





#7

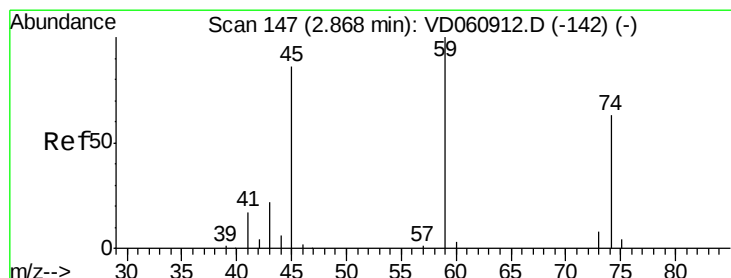
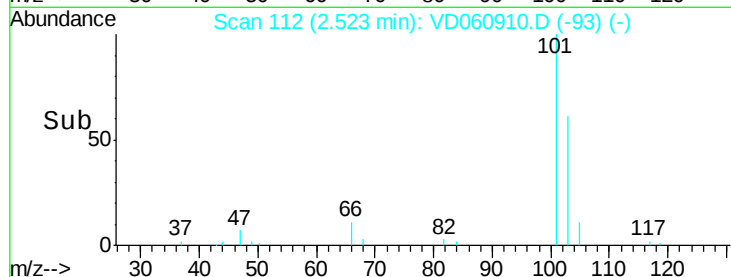
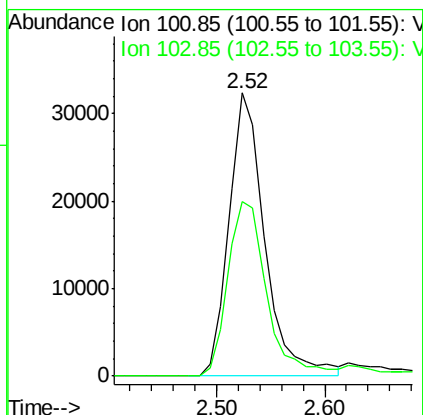
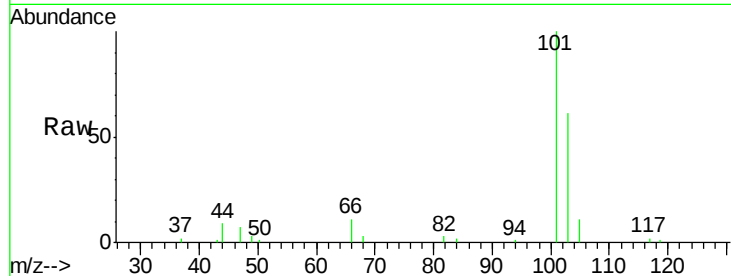
Trichlorofluoromethane
 Concen: 11.215 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	48.6	72.8

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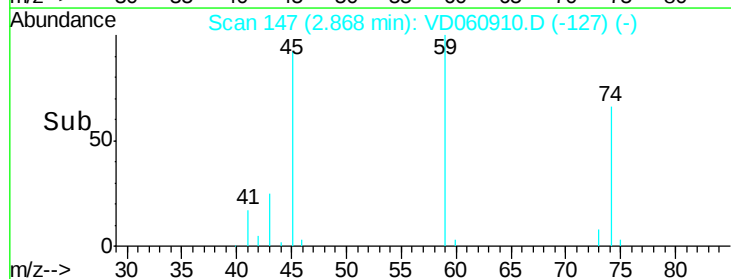
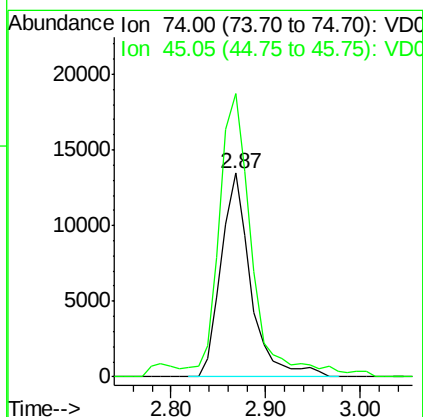
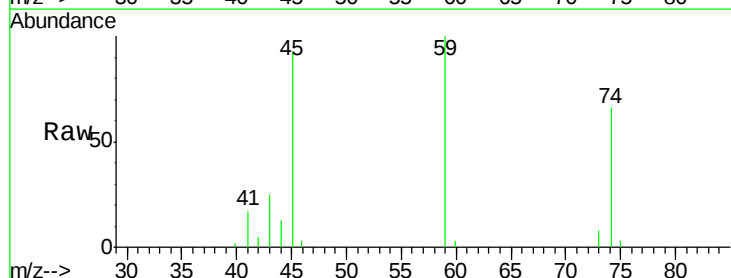
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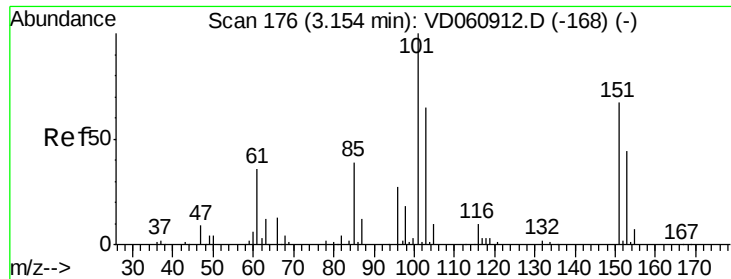


#8

Diethyl Ether
 Concen: 25.632 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.9	64.8	194.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.808 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

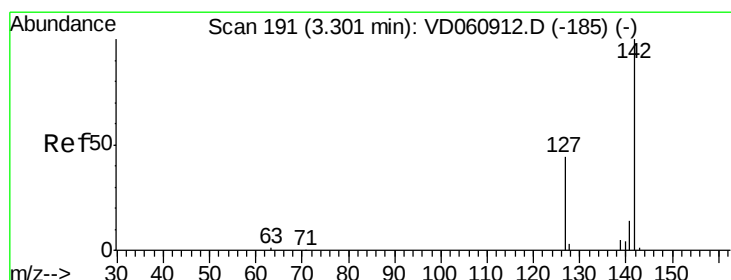
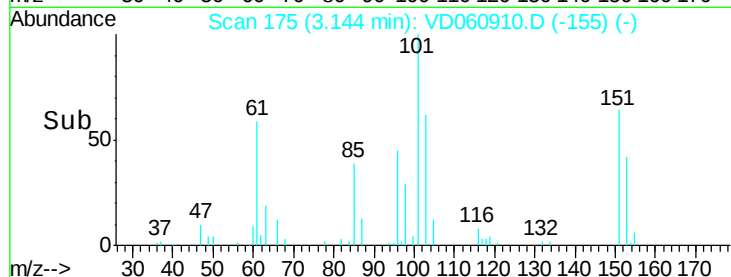
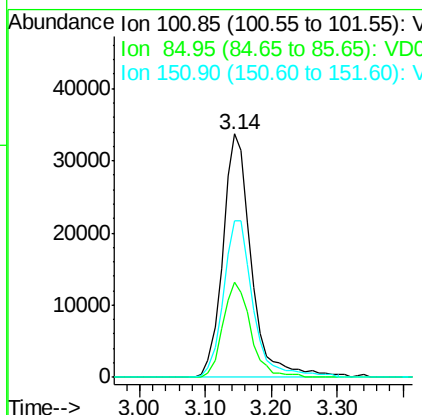
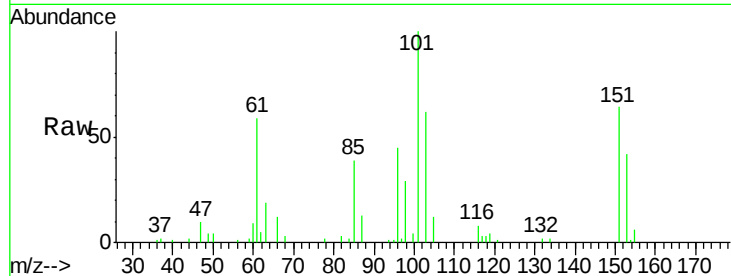
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	101605
Ion Ratio	Lower	Upper	
101	100		
85	38.9	34.7	52.1
151	64.2	61.2	91.8

Manual Integrations
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#10

Methyl Iodide

Concen: 6.671 ug/l

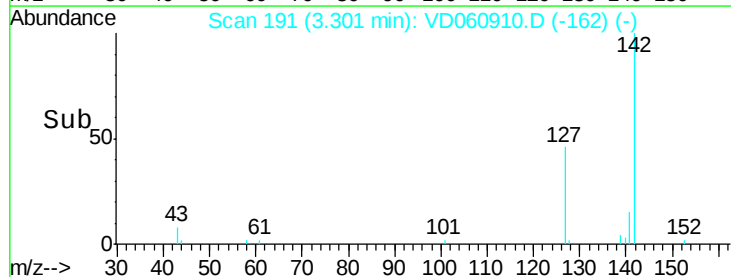
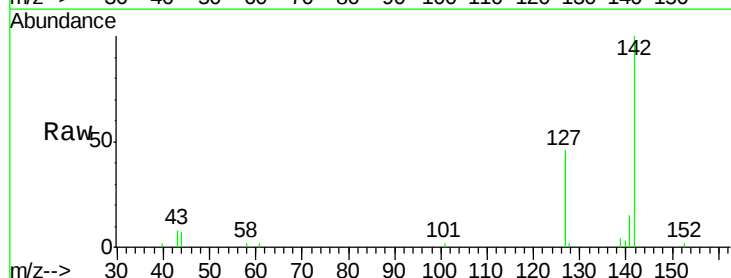
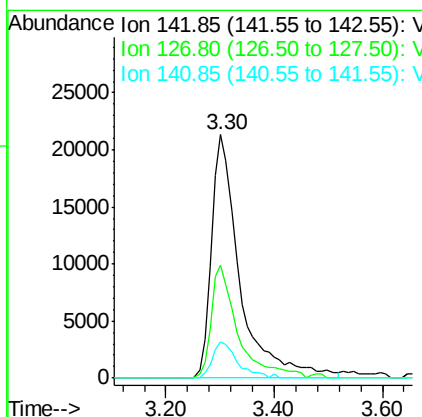
RT: 3.30 min Scan# 191

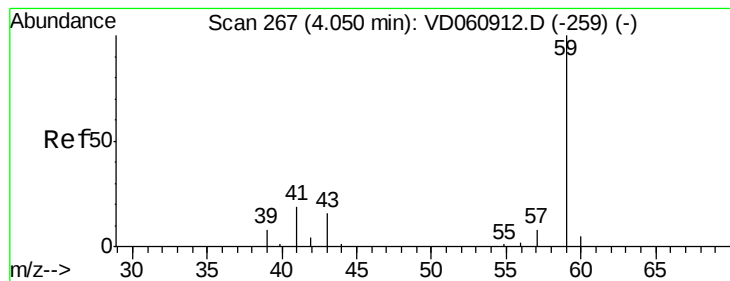
Delta R.T. -0.02 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion:	142	Resp:	78005
Ion Ratio	Lower	Upper	
142	100		
127	46.2	34.2	51.4
141	15.0	11.4	17.2





#11

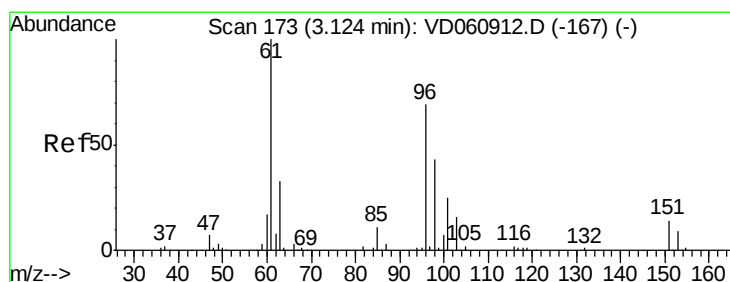
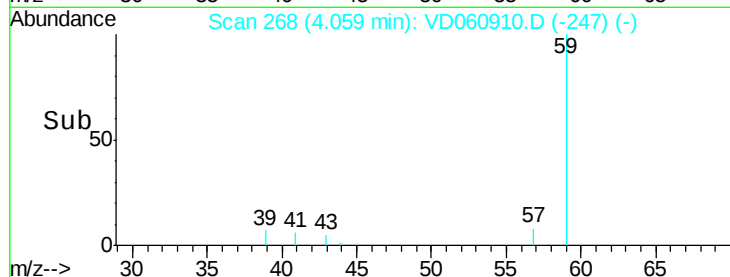
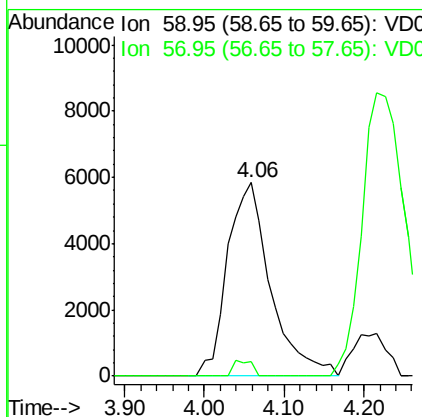
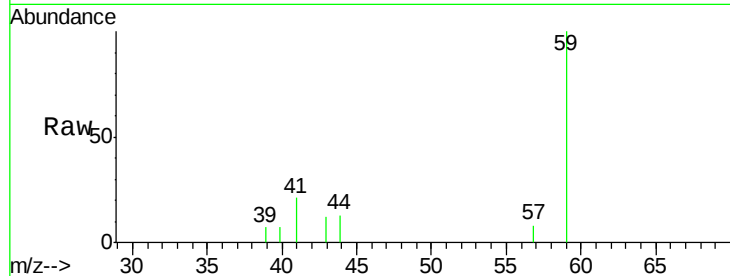
Tert butyl alcohol
 Concen: 59.155 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	59	57	Ratio	Lower	Upper
22017	100	7.6		5.8	8.8

Manual Integrations
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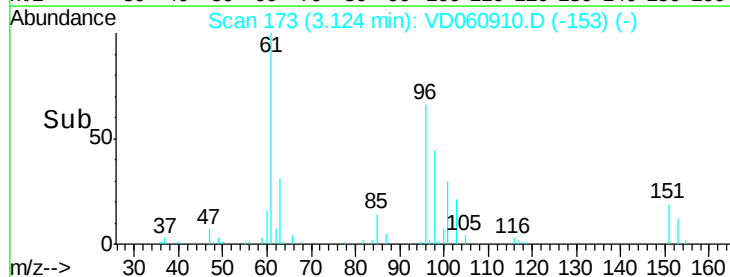
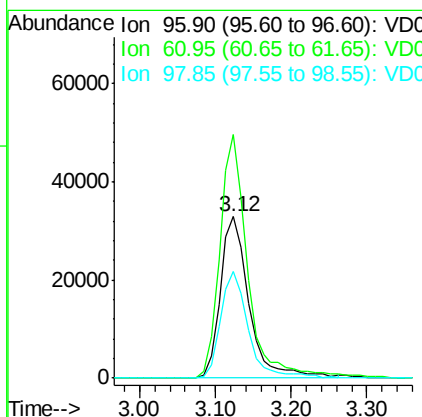
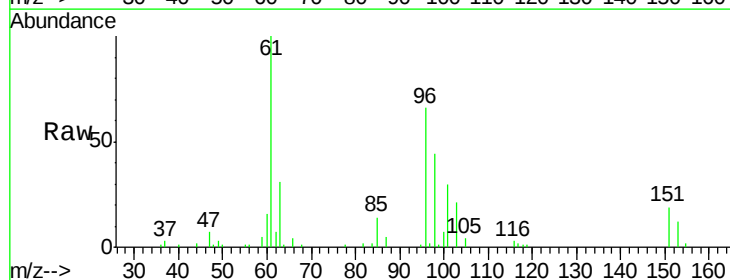
MMDadoda
 3/6/2019 5:33:03 AM

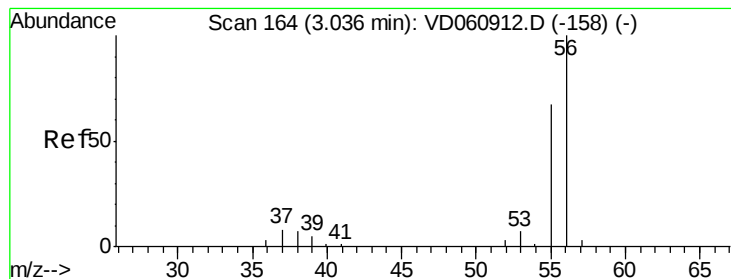


#12

1,1-Dichloroethene
 Concen: 28.396 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Tgt Ion	96	61	98	Ratio	Lower	Upper
86883	100	150.7	66.1		112.4	168.6





#13

Acrolein

Concen: 165.534 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 34159

Ion Ratio Lower Upper

56 100

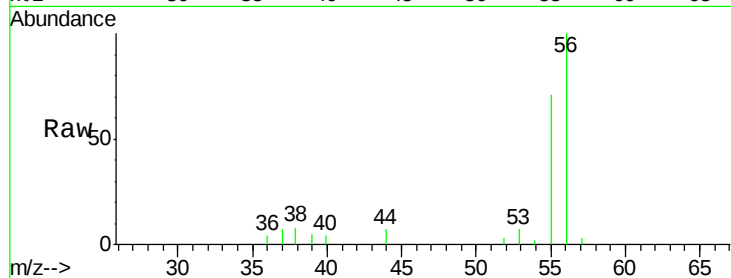
55 71.5 56.8 85.2

Manual Integrations

APPROVED

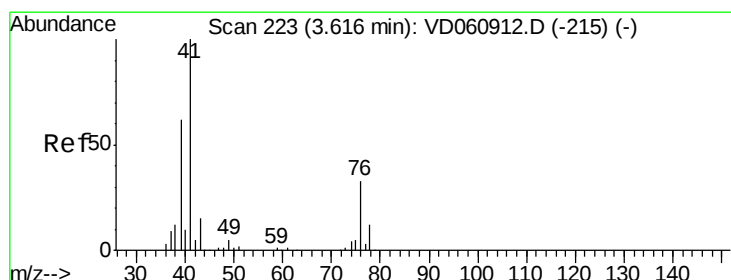
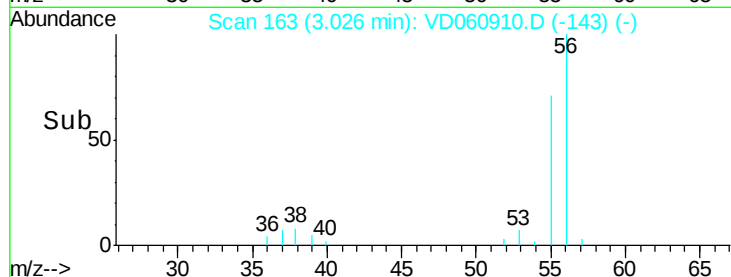
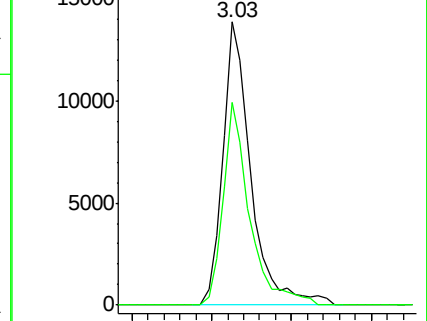
MMDadoda

3/6/2019 5:33:03 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 13.521 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

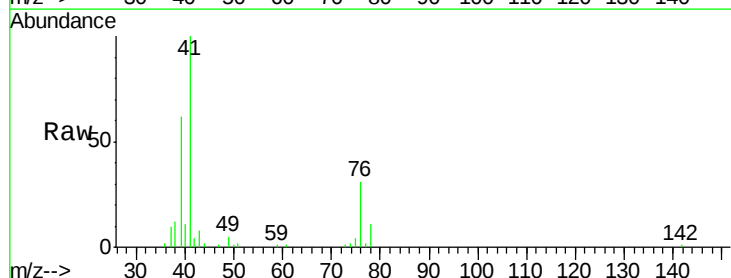
Tgt Ion: 41 Resp: 135065

Ion Ratio Lower Upper

41 100

39 62.2 55.7 83.5

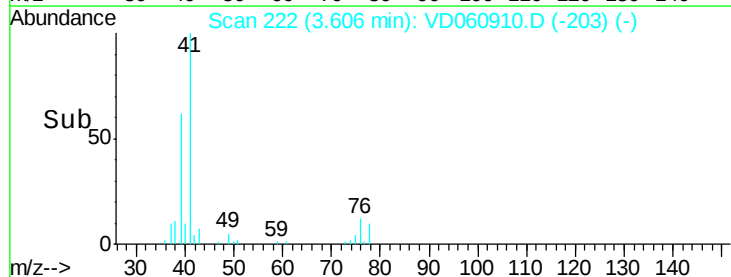
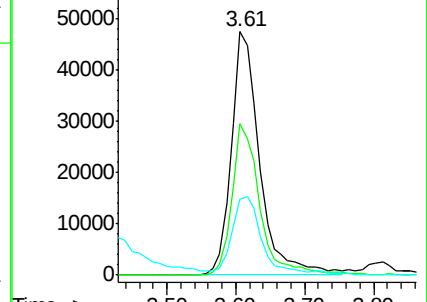
76 31.2 31.3 46.9#

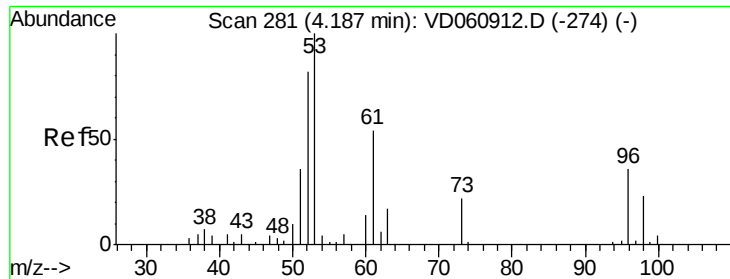


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 75.150 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

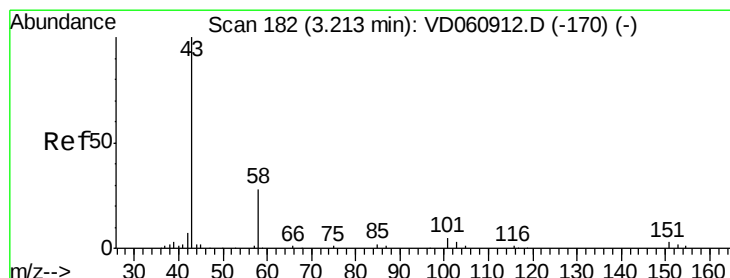
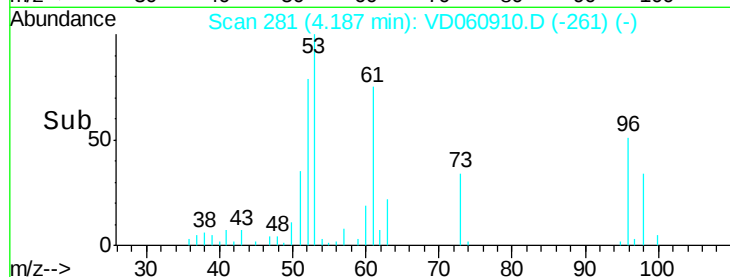
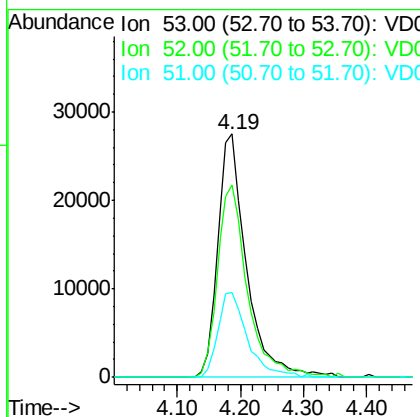
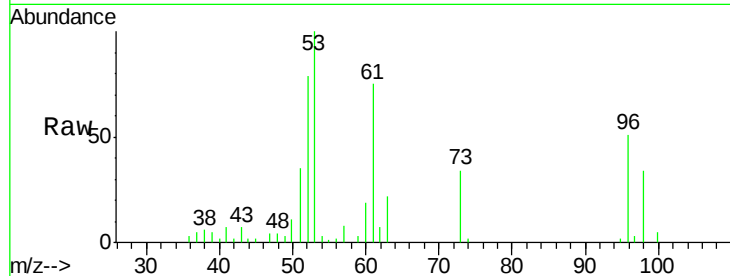
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	87340
Ion Ratio	Lower	Upper	
53	100		
52	79.3	66.2	99.2
51	34.7	31.0	46.6

Manual Integrations
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MMDadoda
3/6/2019 5:33:03 AM



#16

Acetone

Concen: 69.665 ug/l

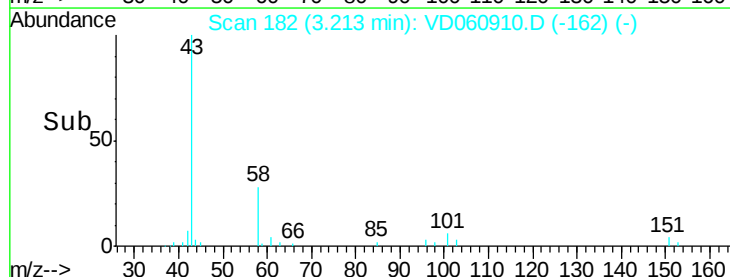
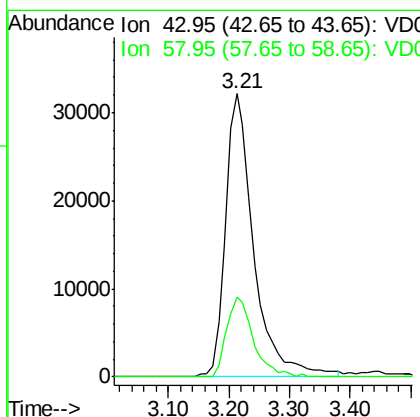
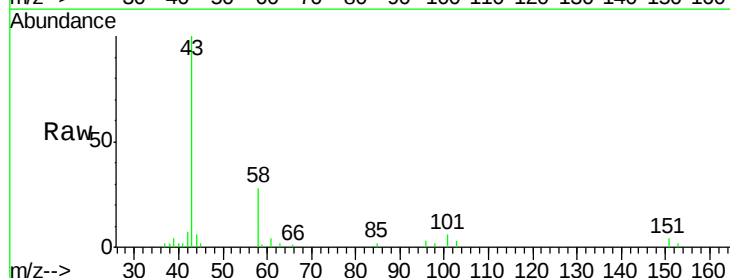
RT: 3.21 min Scan# 182

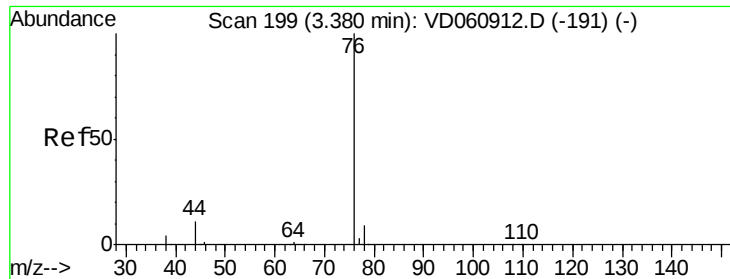
Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion:	43	Resp:	103598
Ion Ratio	Lower	Upper	
43	100		
58	28.2	18.4	27.6#





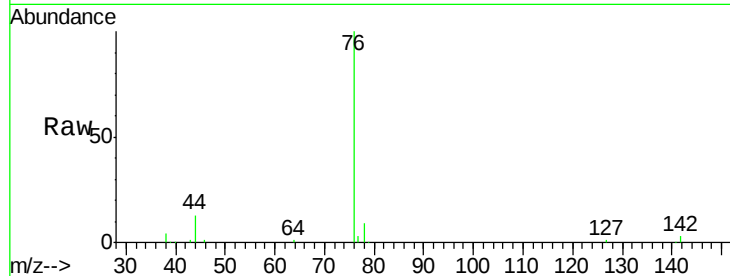
#17
Carbon Disulfide
Concen: 12.978 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

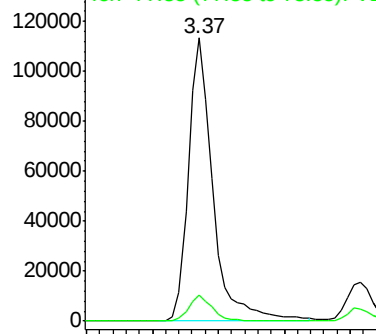
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

Manual Integrations
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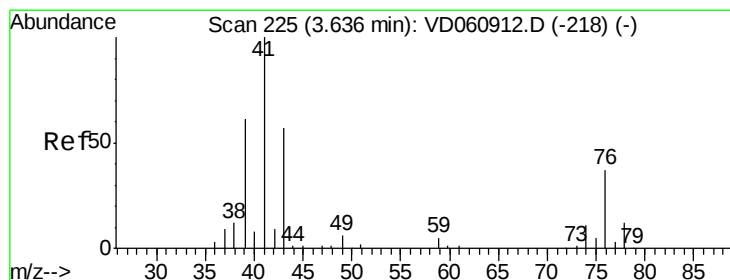
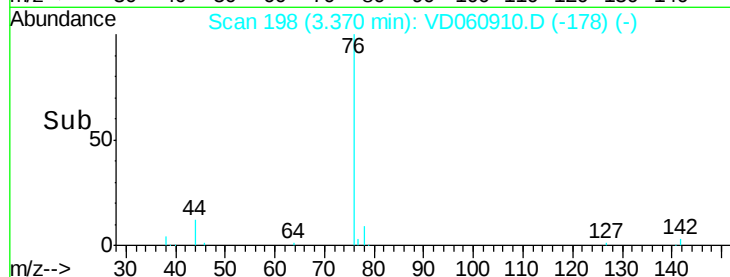
MMDadoda
3/6/2019 5:33:03 AM



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

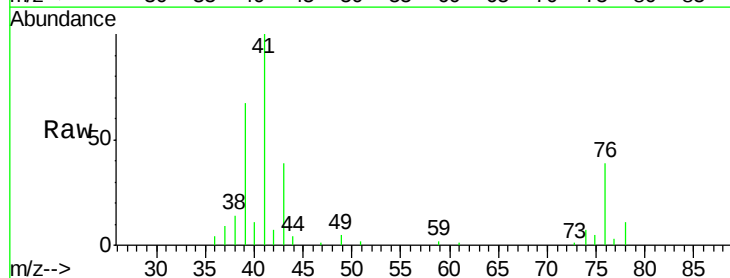


Time--> 3.20 3.30 3.40 3.50 3.60

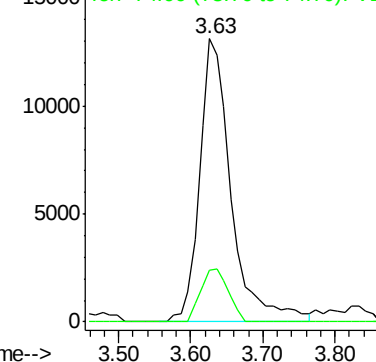


#18
Methyl Acetate
Concen: 12.874 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

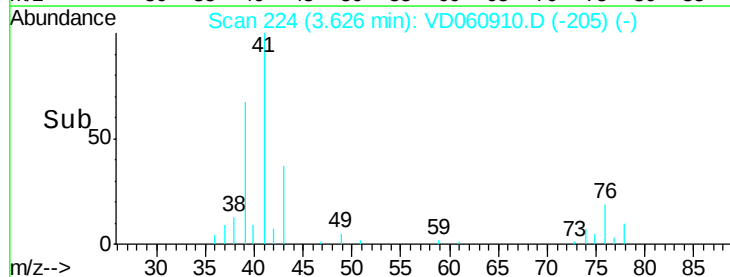
Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.1	18.6	28.0#

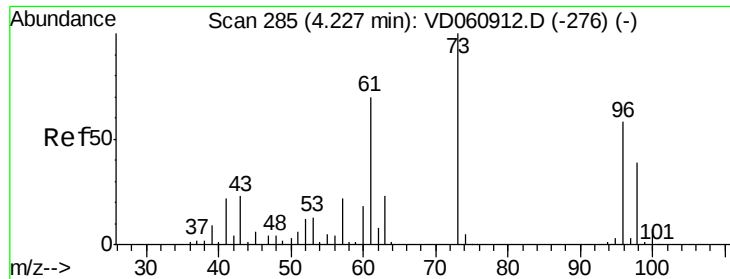


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 3.50 3.60 3.70 3.80





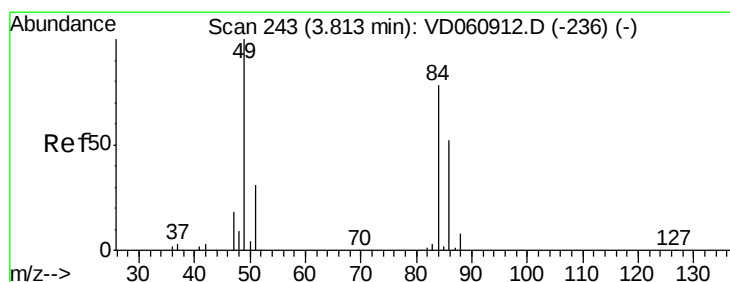
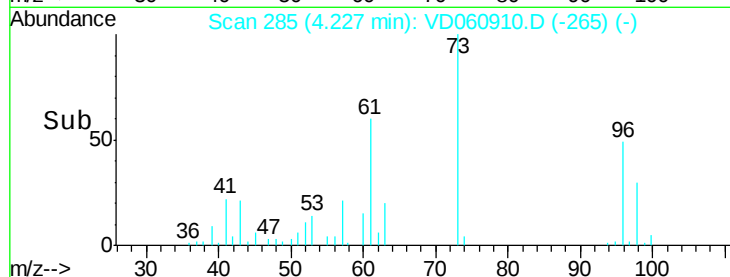
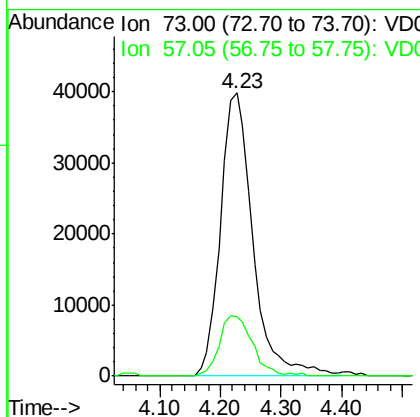
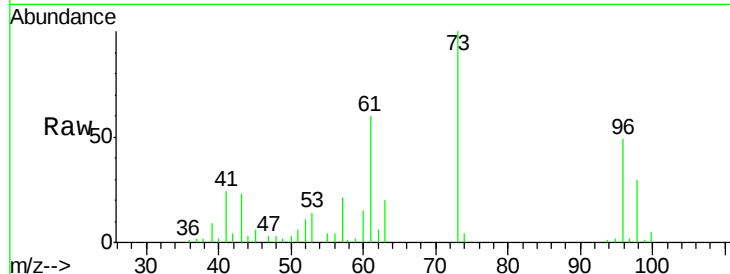
#19
Methvl tert-butvl Ether
Concen: 11.525 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 147821
Ion Ratio Lower Upper
73 100
57 21.2 14.4 21.6

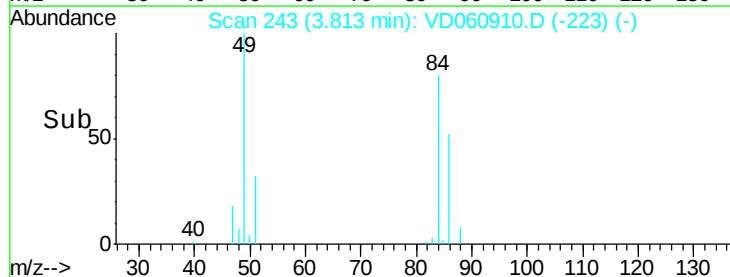
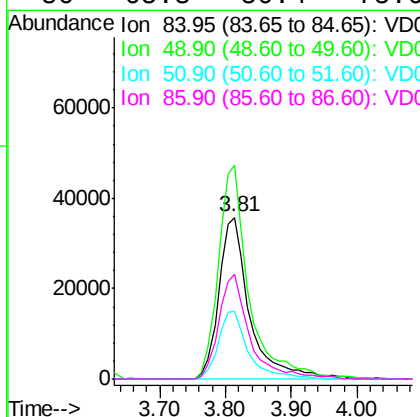
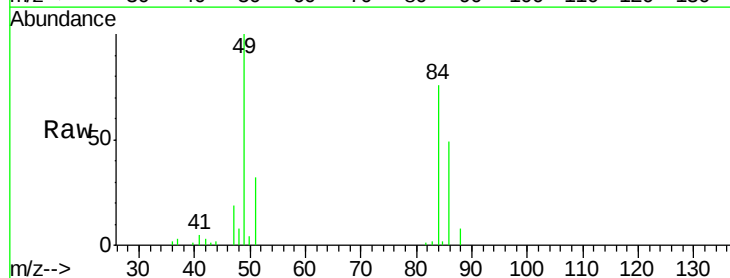
Manual Integrations
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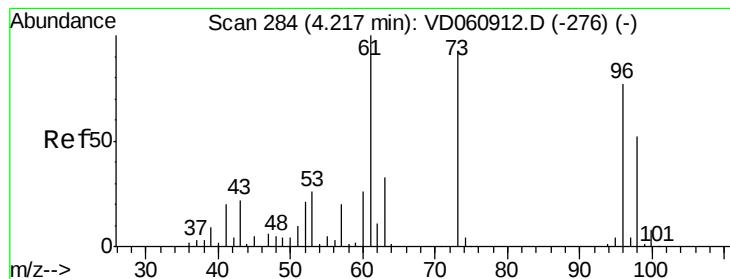
MMDadoda
3/6/2019 5:33:03 AM



#20
Methylene Chloride
Concen: 13.886 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion: 84 Resp: 116007
Ion Ratio Lower Upper
84 100
49 132.1 84.7 127.1#
51 41.9 26.4 39.6#
86 65.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 13.513 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 91627

Ion Ratio Lower Upper

96 100

61 128.5 100.1 150.1

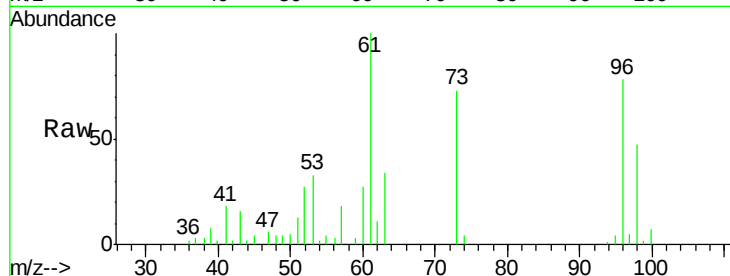
98 60.8 49.9 74.9

Manual Integrations

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MMDadoda

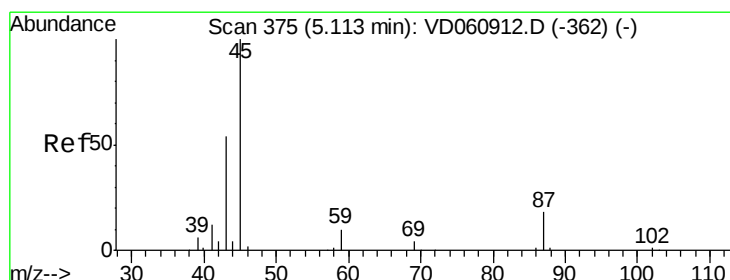
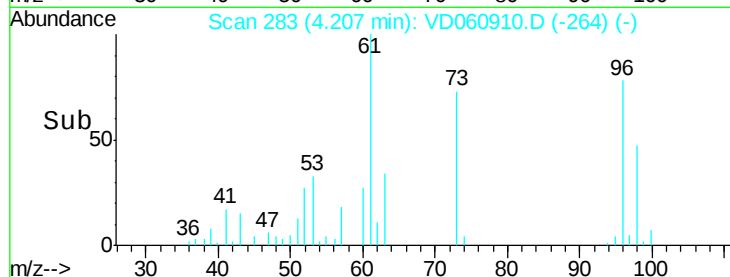
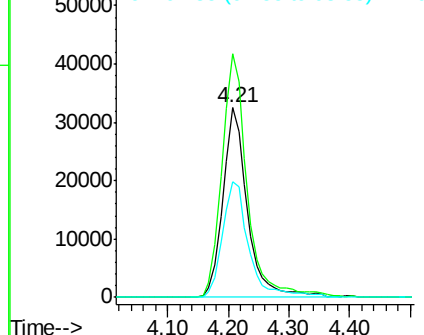
3/6/2019 5:33:03 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 15.126 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion: 45 Resp: 296392

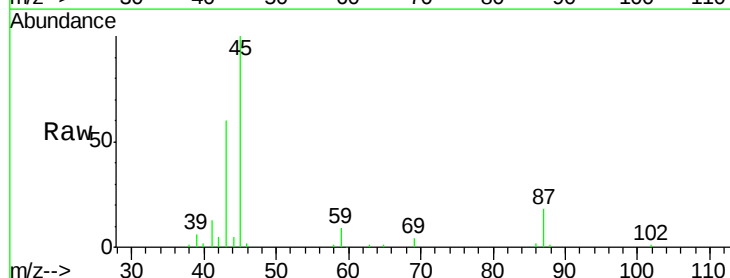
Ion Ratio Lower Upper

45 100

43 59.9 49.6 74.4

87 18.3 17.0 25.4

59 9.4 7.9 11.9

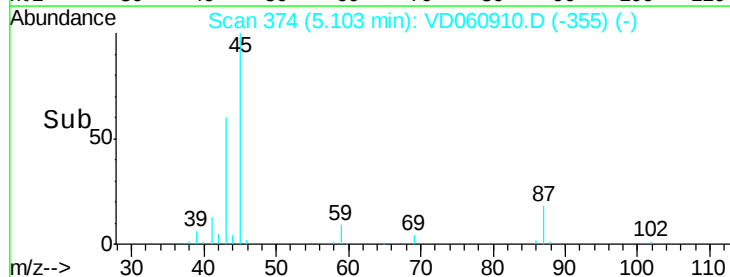
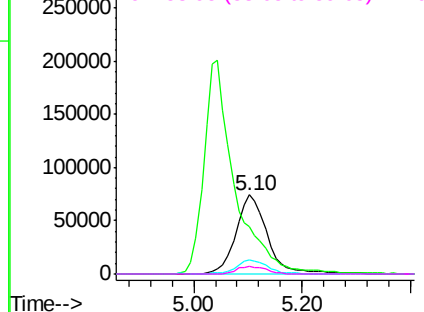


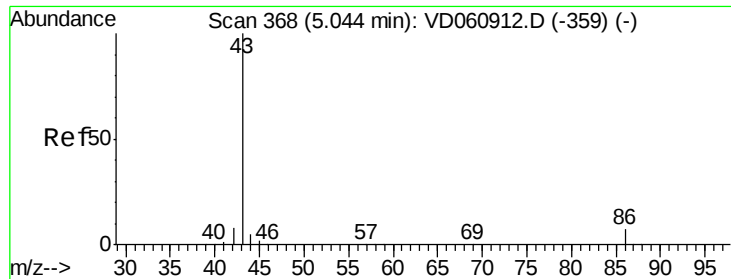
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





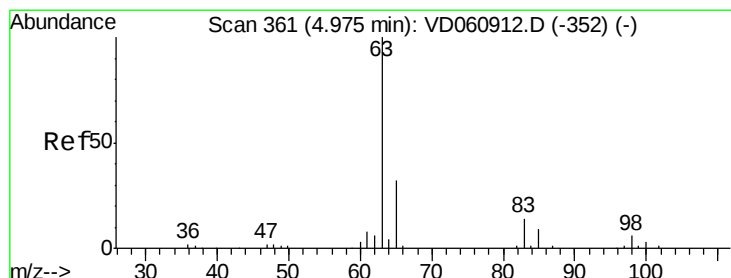
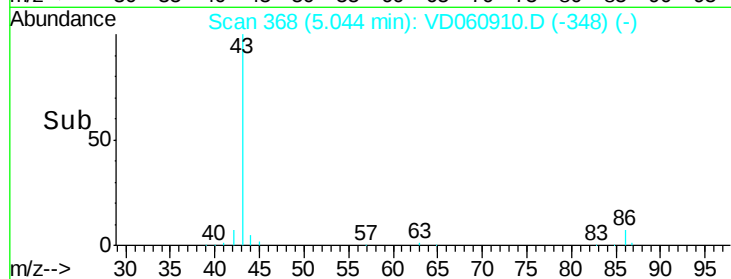
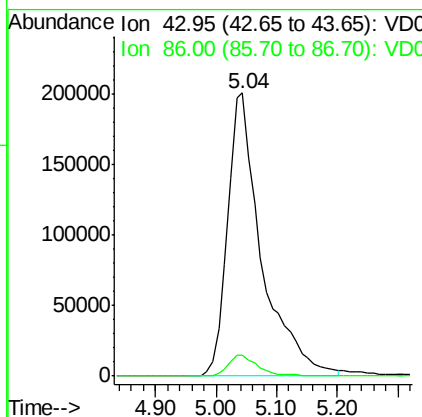
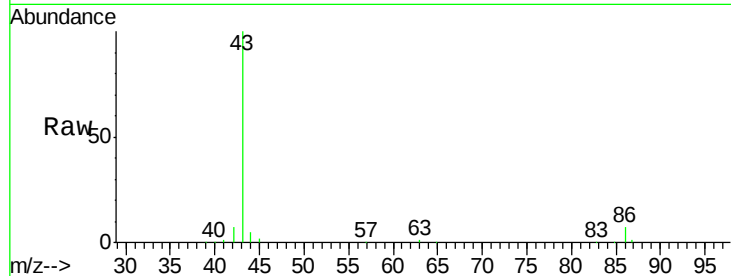
#23
 Vinyl Acetate
 Concen: 70.742 ug/l
 RT: 5.04 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 43 Resp: 784413
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.5 9.7

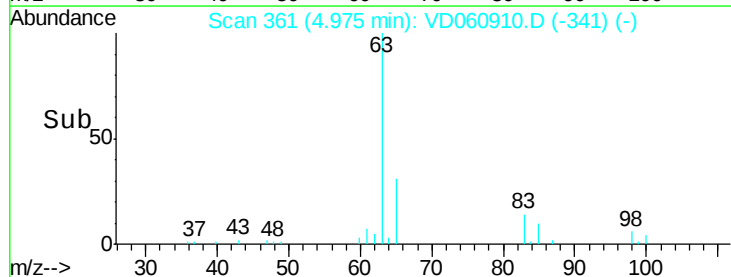
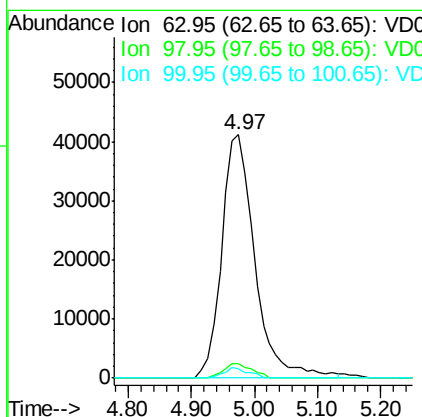
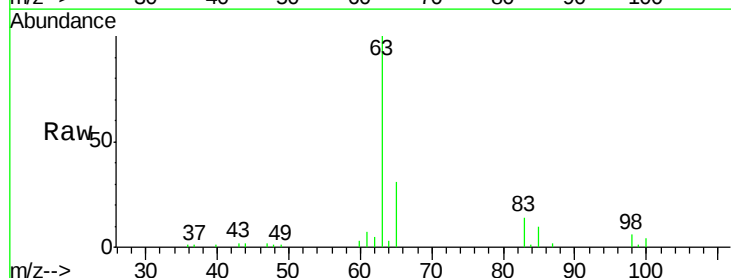
Manual Integrations
 APPROVED

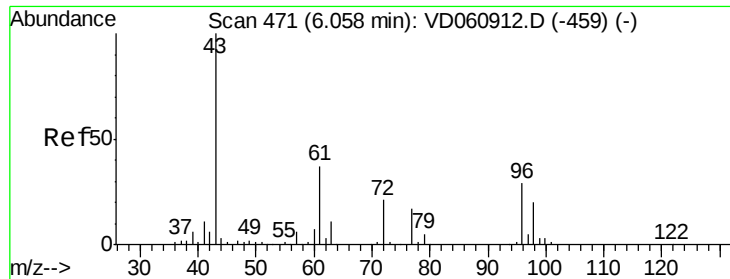
MMDadoda
 3/6/2019 5:33:03 AM



#24
 1,1-Dichloroethane
 Concen: 14.008 ug/l
 RT: 4.97 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Tgt Ion: 63 Resp: 149951
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.6
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 63.369 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 124375

Ion Ratio Lower Upper

43 100

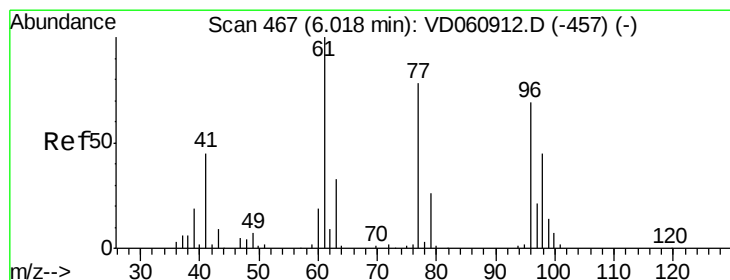
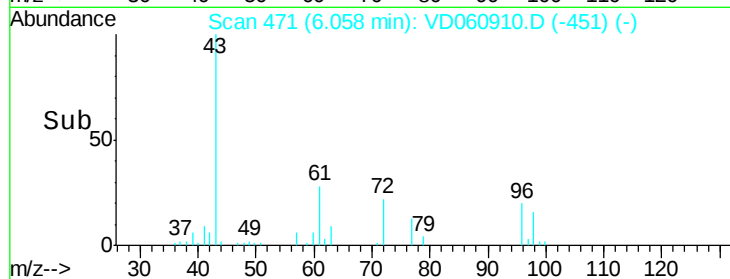
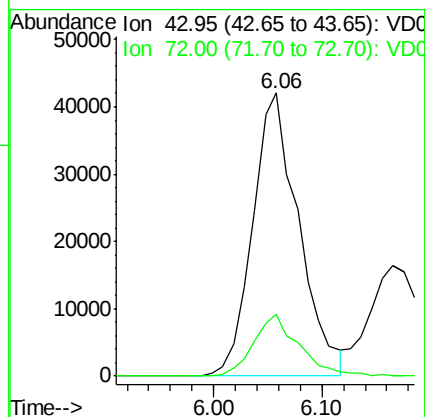
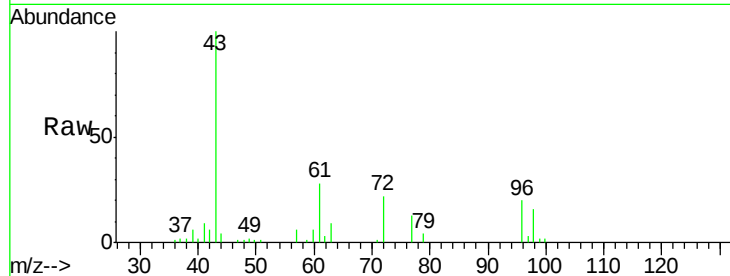
72 21.9 16.8 25.2

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#26

2,2-Dichloropropane

Concen: 10.903 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD060910.D

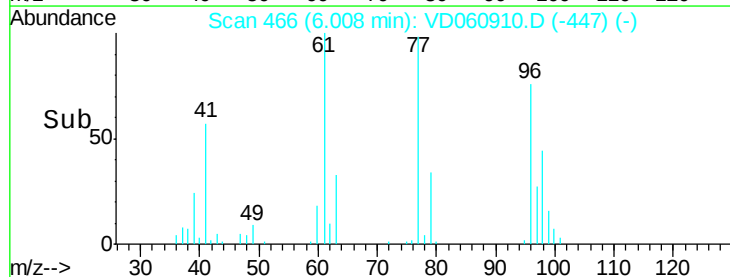
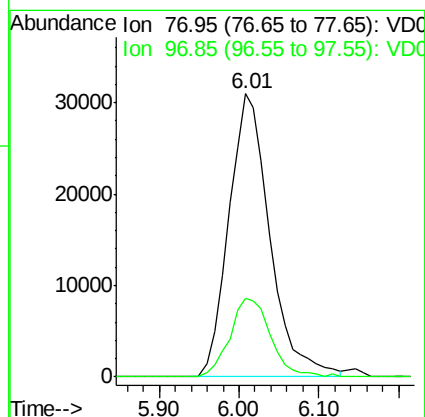
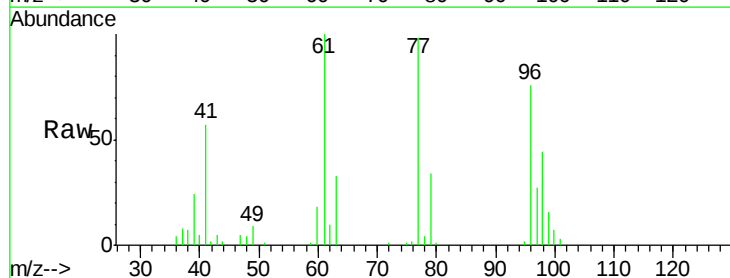
Acq: 1 Mar 2019 15:40

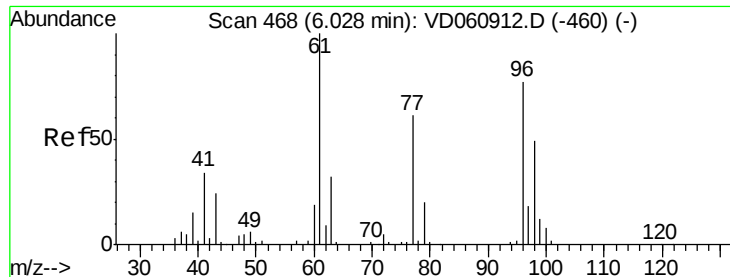
Tgt Ion: 77 Resp: 110793

Ion Ratio Lower Upper

77 100

97 27.6 11.7 35.1





#27

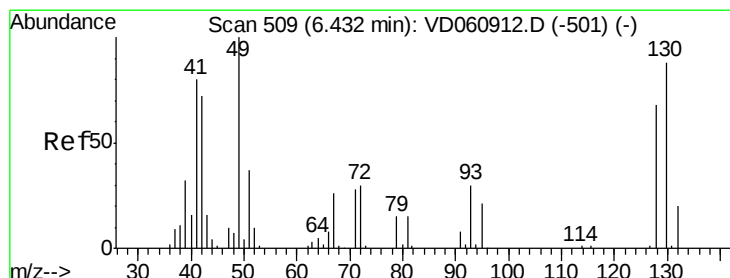
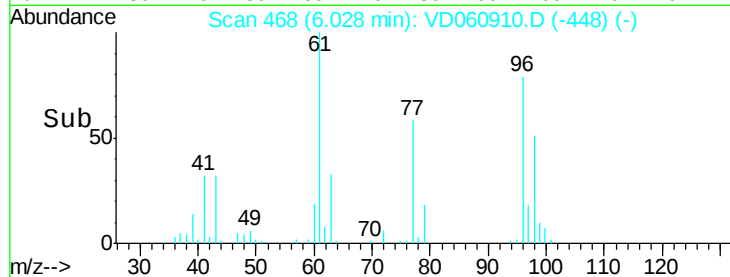
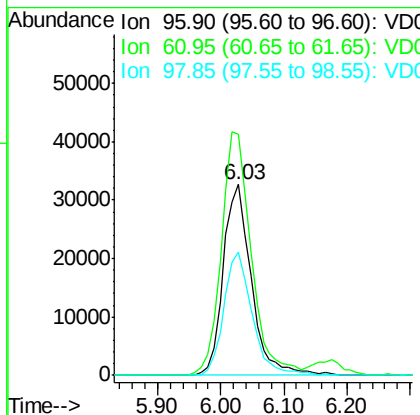
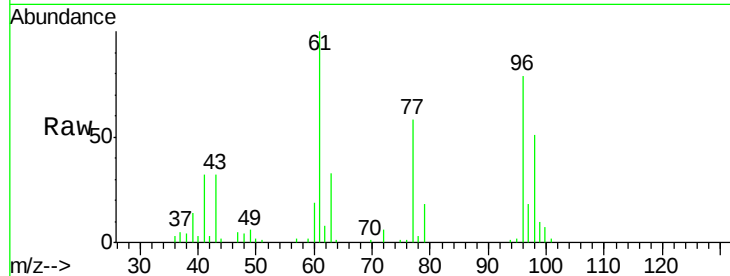
cis-1,2-Dichloroethene
Concen: 13.571 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.5	0.0	259.0
98	64.9	0.0	132.4

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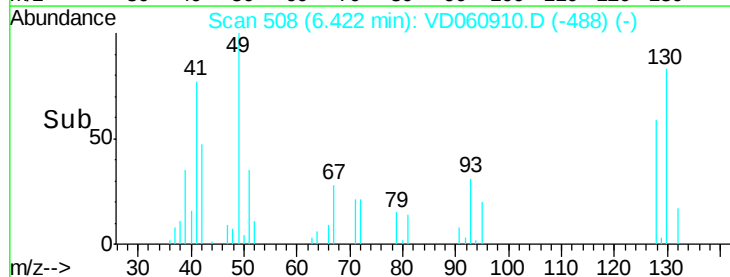
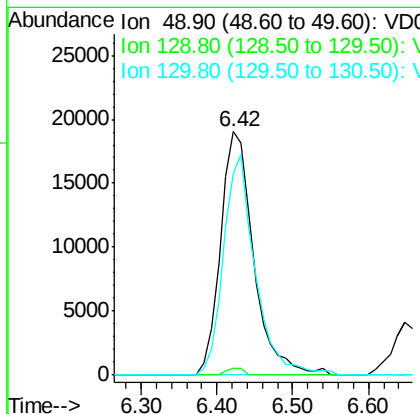
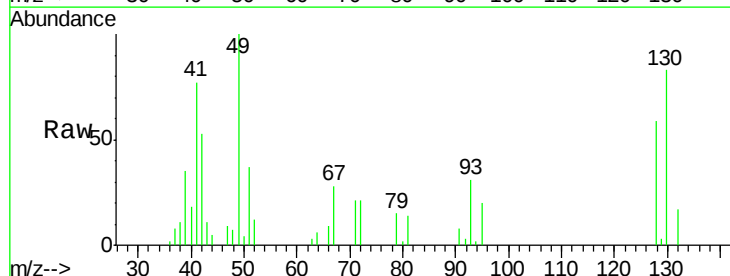
MMDadoda
3/6/2019 5:33:03 AM

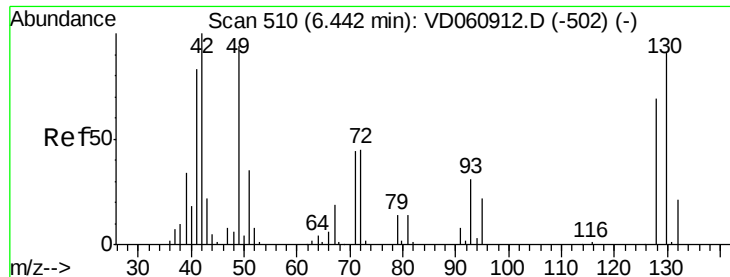


#28

Bromochloromethane
Concen: 13.672 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.8
130	82.7	69.8	104.8





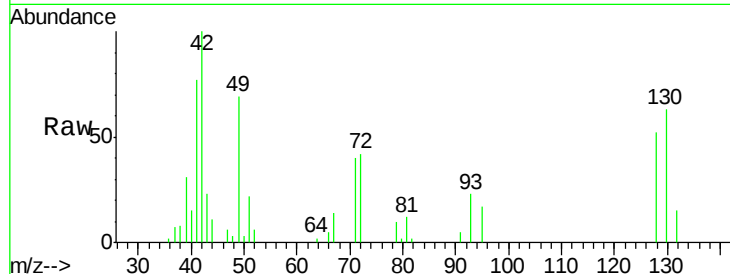
#29
Tetrahydrofuran
Concen: 64.680 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

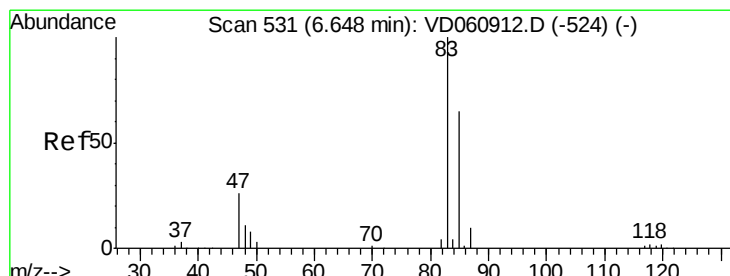
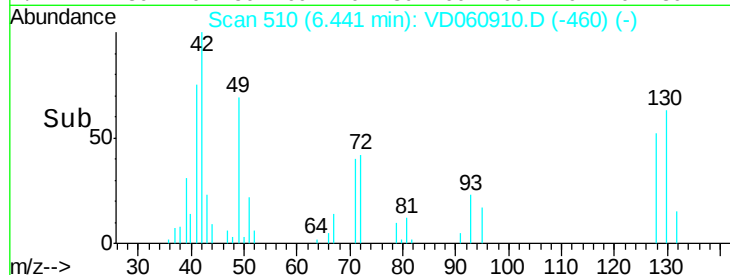
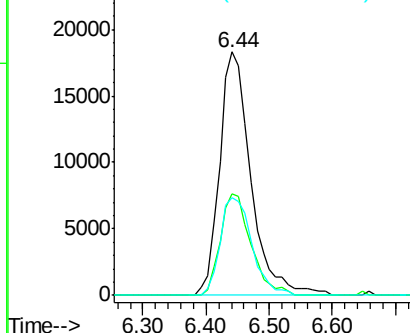
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	36.2	54.2
71	40.6	35.4	53.0

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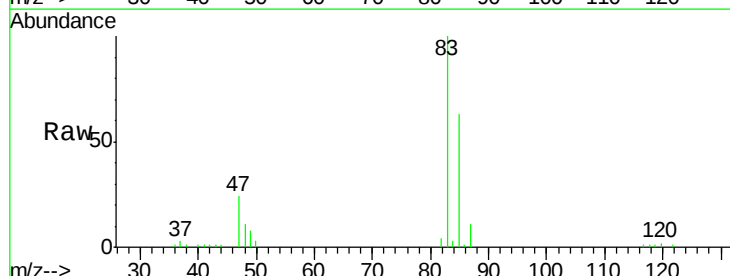


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

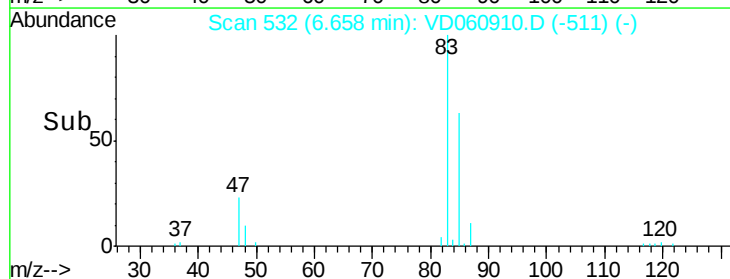
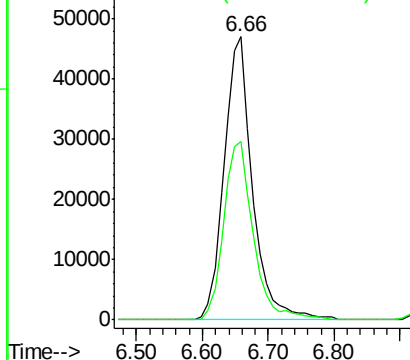


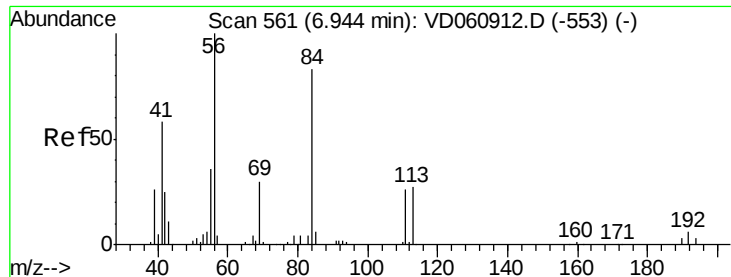
#30
Chloroform
Concen: 11.199 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.5	77.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





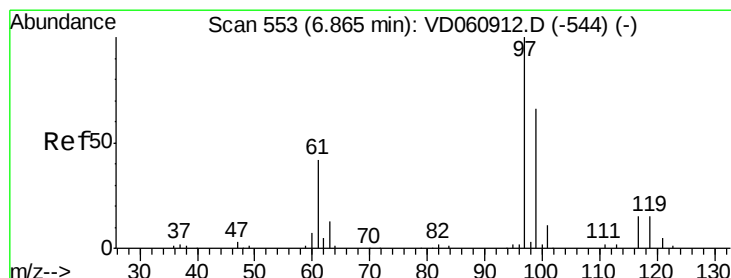
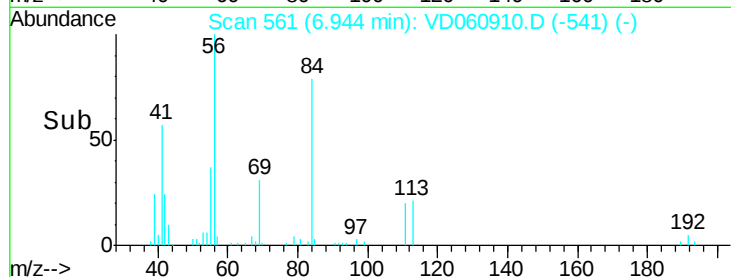
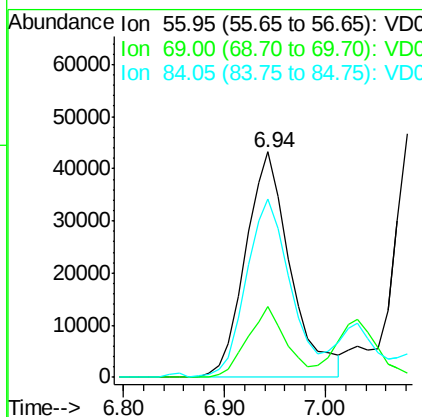
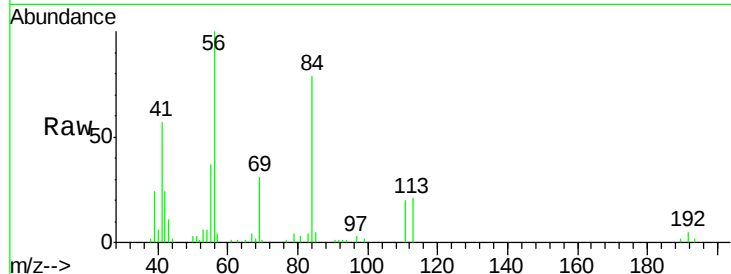
#31
Cvclohexane
Concen: 15.058 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.3	37.9
84	78.9	78.1	117.1

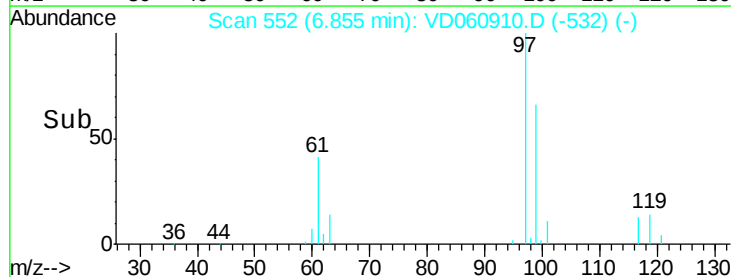
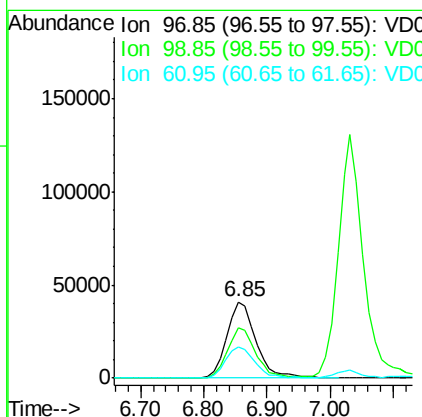
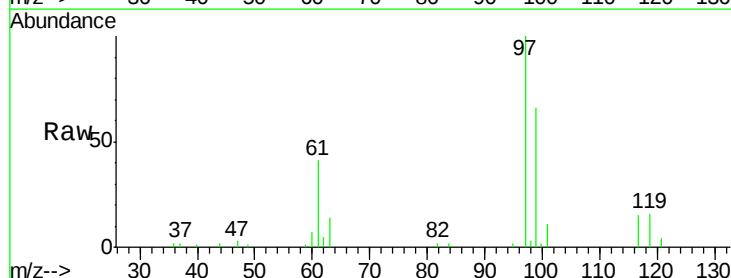
Manual Integrations
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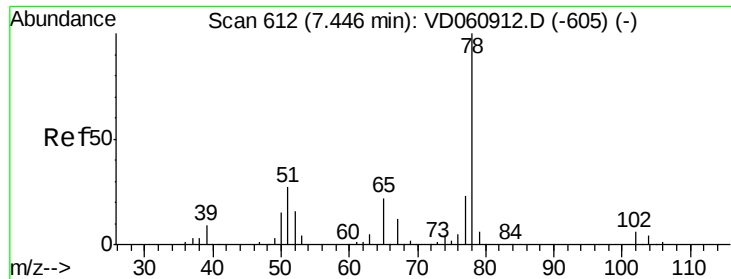
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#32
1,1,1-Trichloroethane
Concen: 13.162 ug/l
RT: 6.85 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.0	76.4
61	41.2	31.9	47.9





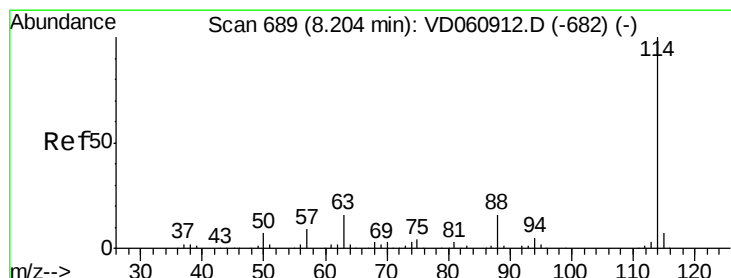
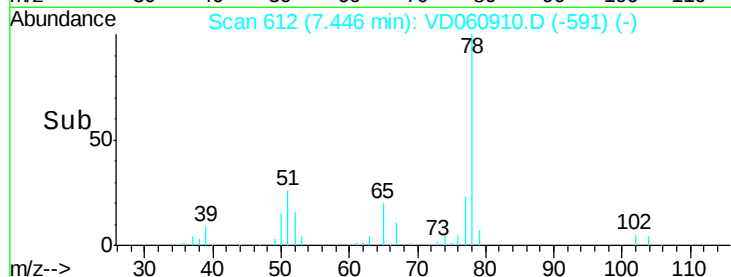
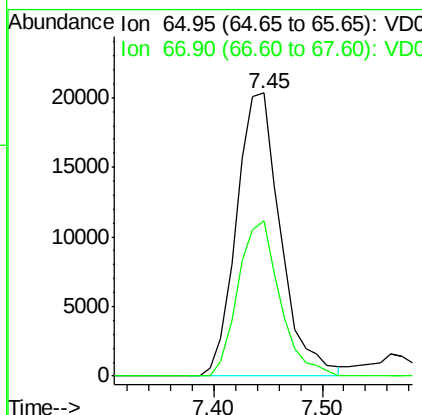
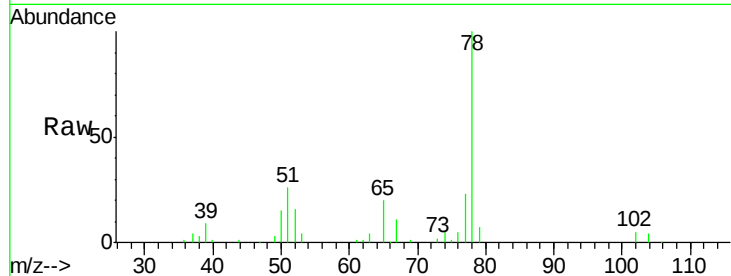
#33
 1,2-Dichloroethane-d4
 Concen: 13.162 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 65 Resp: 57793
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 106.0

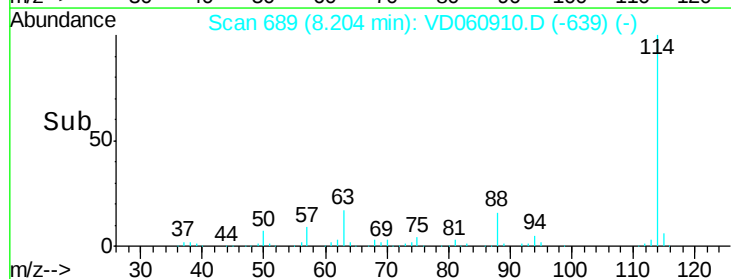
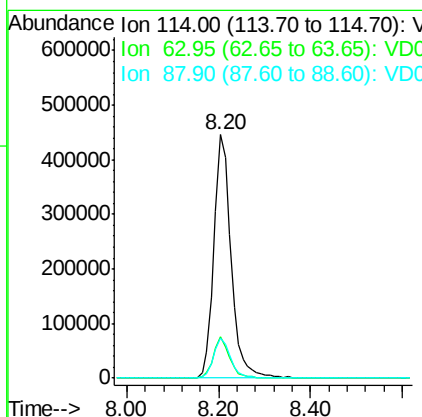
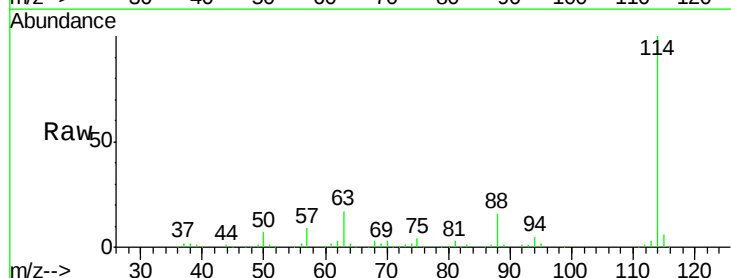
Manual Integrations
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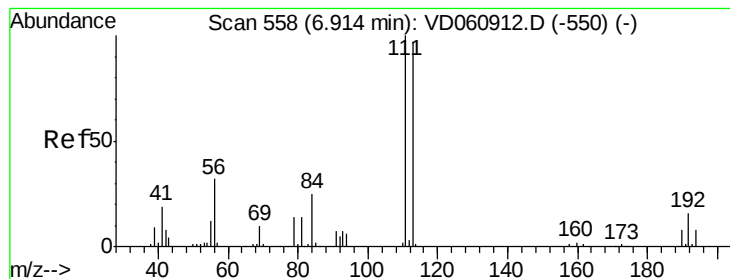
MMDadoda
 3/6/2019 5:33:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Tgt Ion: 114 Resp: 1142492
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 34.8
 88 16.5 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

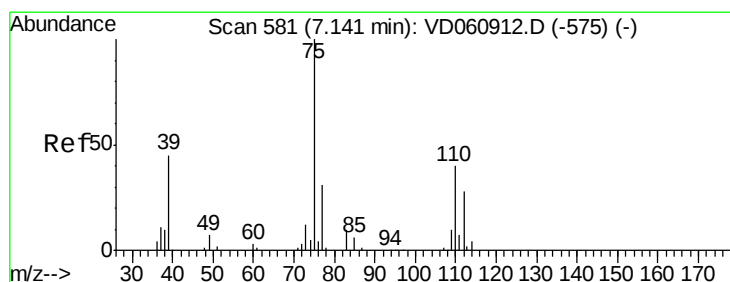
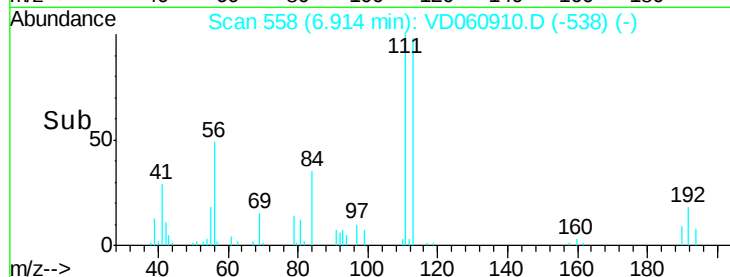
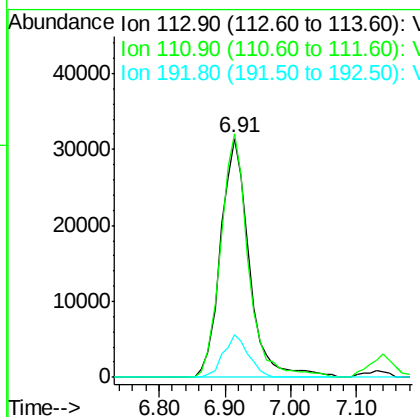
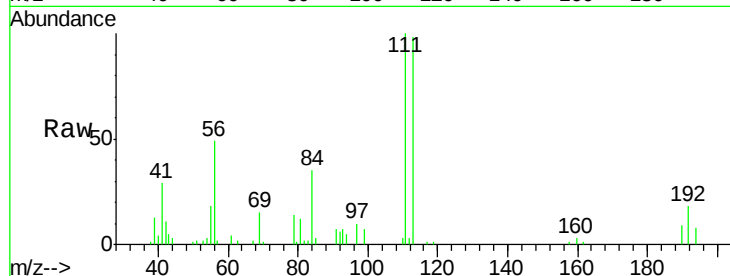
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	95142
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	17.9	16.9	25.3

Manual Integrations
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3/6/2019 5:33:03 AM



#36

1,1-Dichloropropene

Concen: 9.904 ug/l

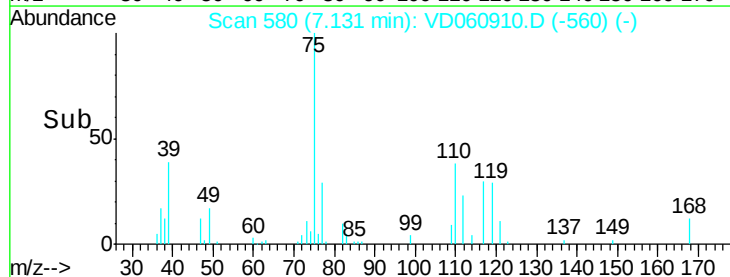
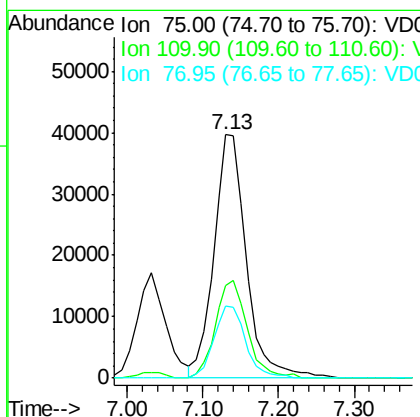
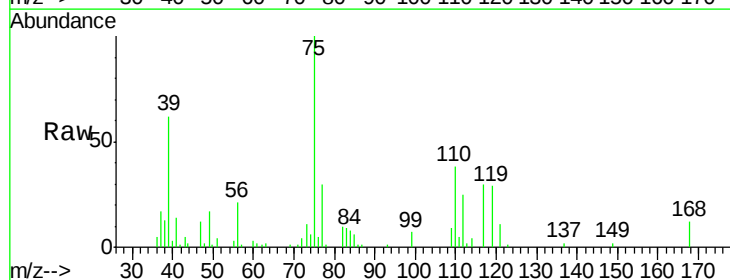
RT: 7.13 min Scan# 580

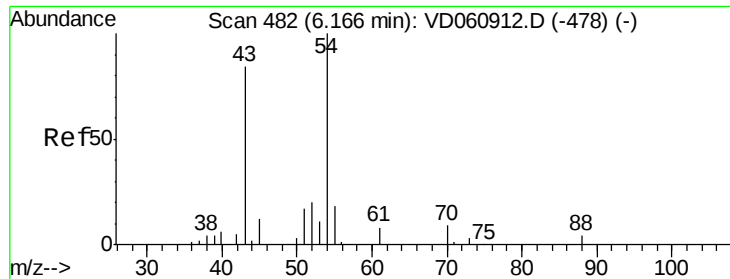
Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion:	75	Resp:	118387
Ion	Ratio	Lower	Upper
75	100		
110	38.1	16.8	50.3
77	29.6	25.8	38.8





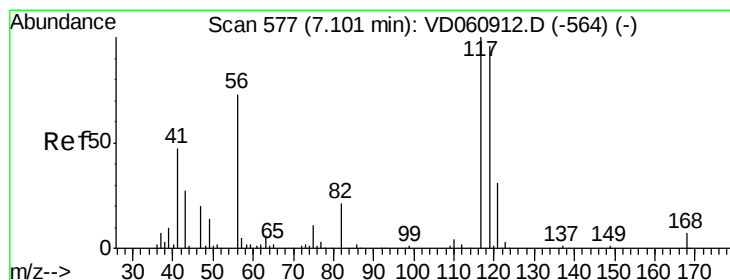
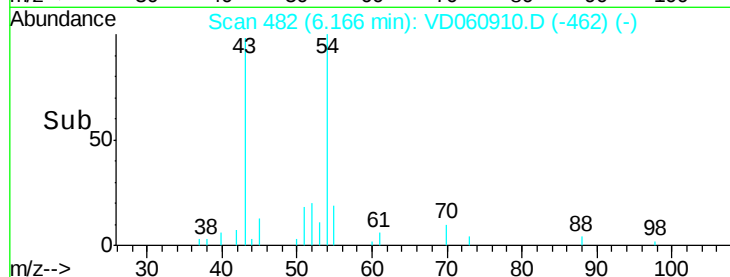
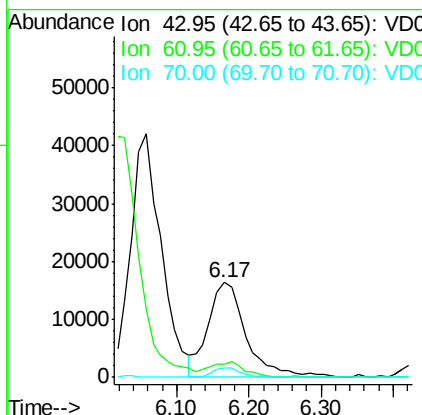
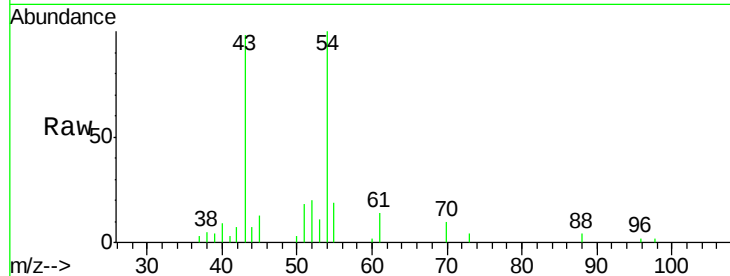
#37
Ethyl Acetate
Concen: 10.742 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.5	18.7
70	9.7	7.9	11.9

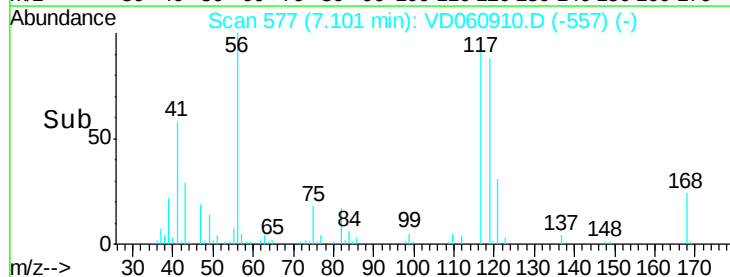
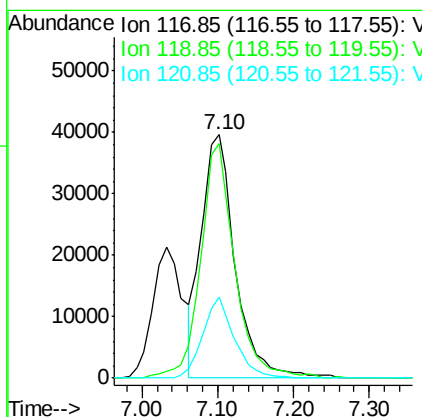
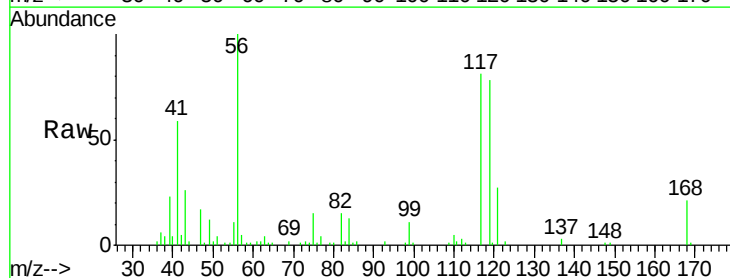
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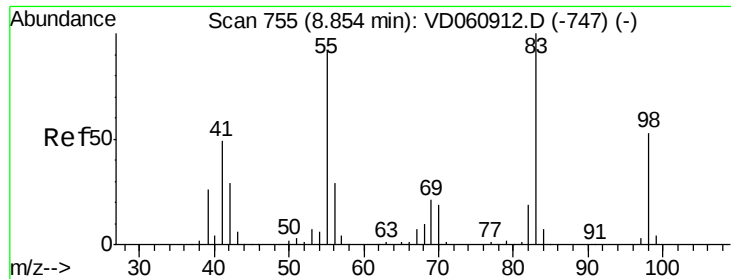
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3/6/2019 5:33:03 AM



#38
Carbon Tetrachloride
Concen: 11.166 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.2	115.8
121	33.1	25.0	37.4





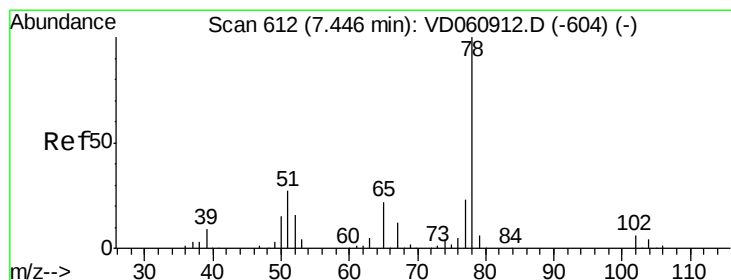
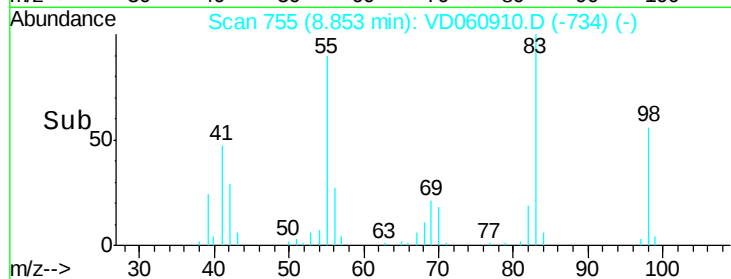
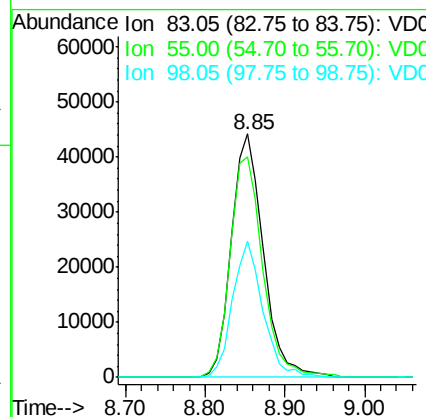
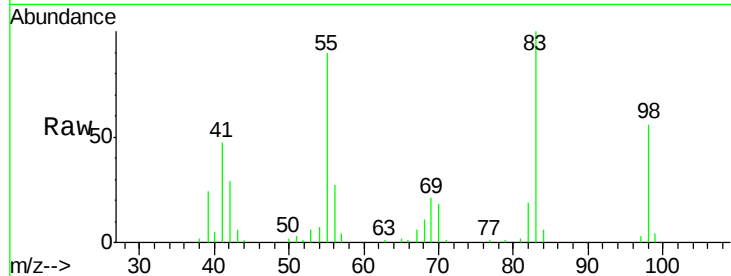
#39
Methvlcvclohexane
Concen: 9.789 ug/l
RT: 8.85 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.4	58.8	88.2#
98	56.0	36.8	55.2#

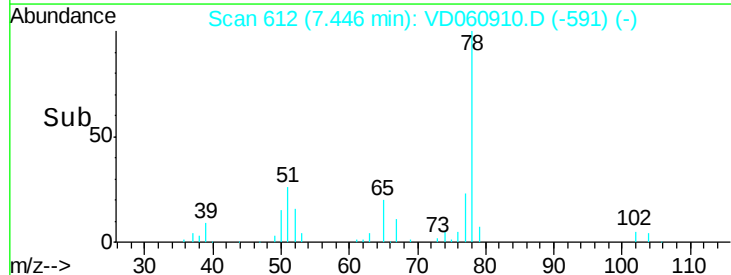
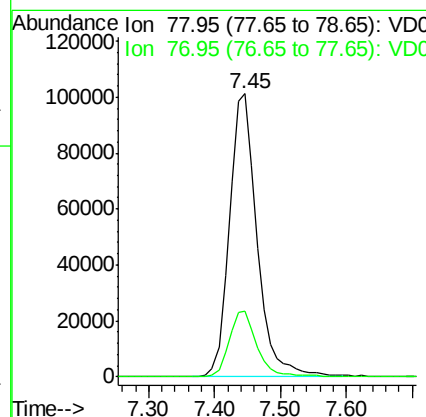
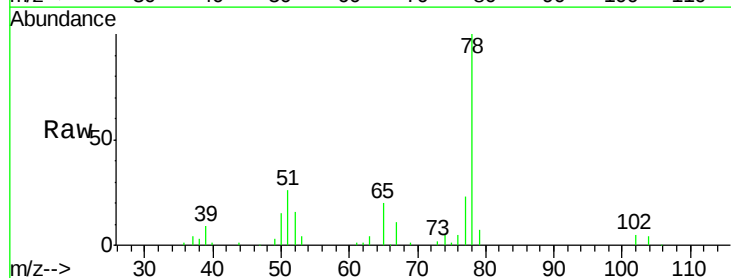
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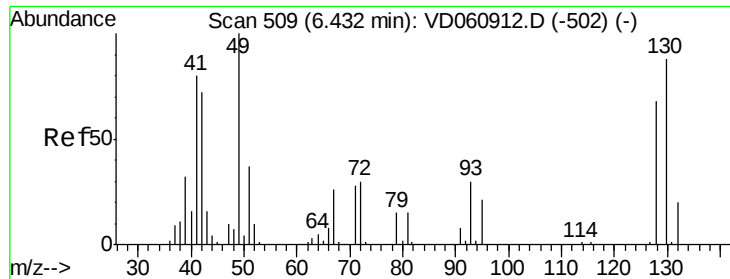
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3/6/2019 5:33:03 AM



#40
Benzene
Concen: 10.017 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





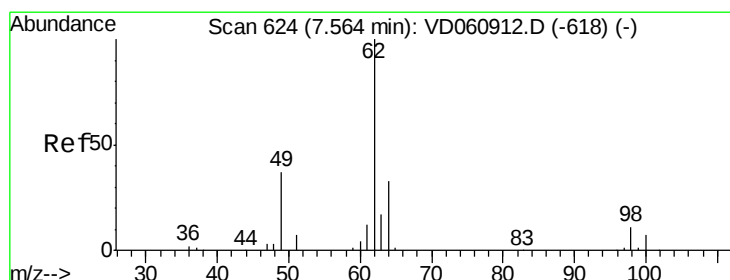
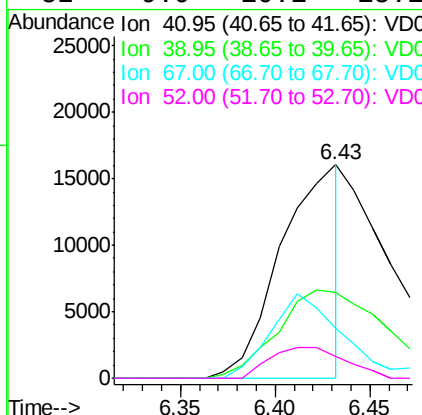
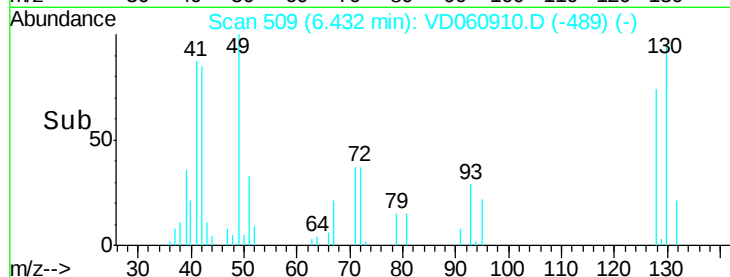
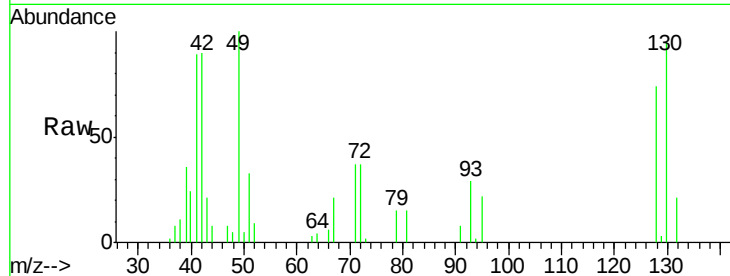
#41
Methacrylonitrile
Concen: 11.660 ug/l m
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
35398	41	100		
	39	40.2	36.9	55.3
	67	23.4	24.9	37.3#
	52	9.9	10.1	15.1#

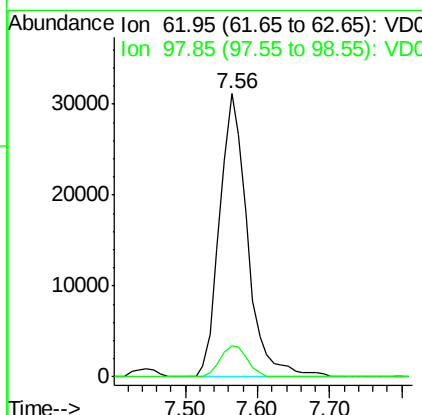
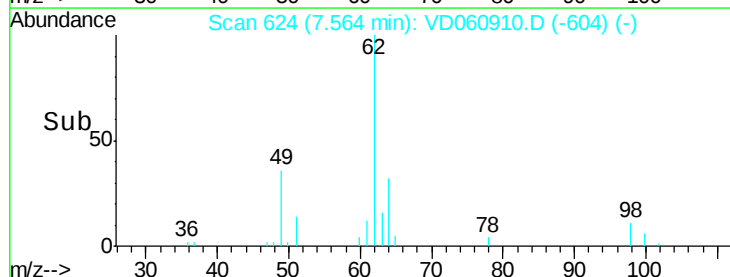
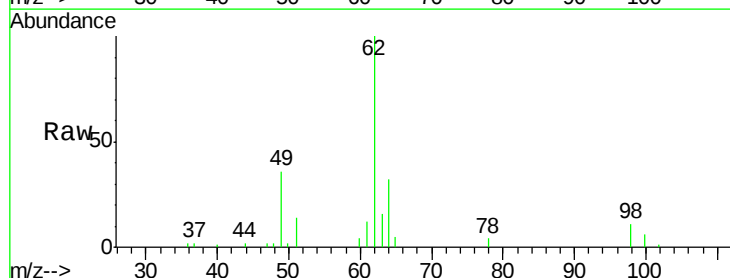
Manual Integrations
APPROVED

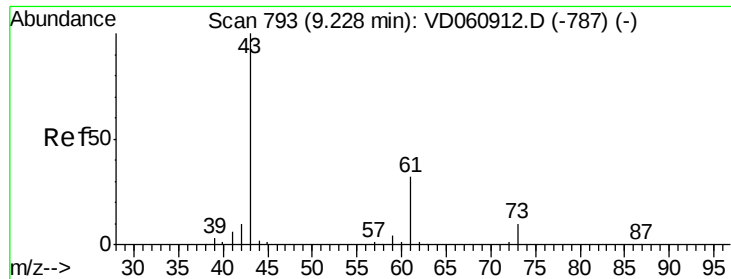
MMDadoda
3/6/2019 5:33:03 AM



#42
1,2-Dichloroethane
Concen: 10.302 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	Ion	Ratio	Lower	Upper
83236	62	100		
	98	11.1	0.0	21.6





#43

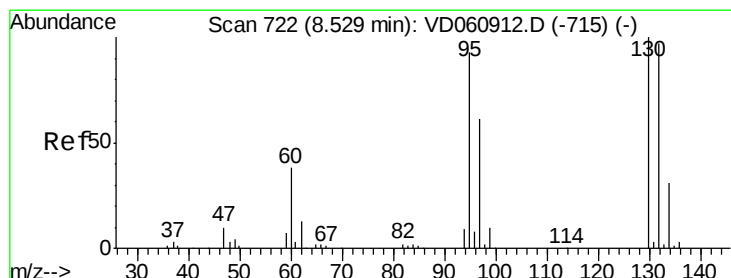
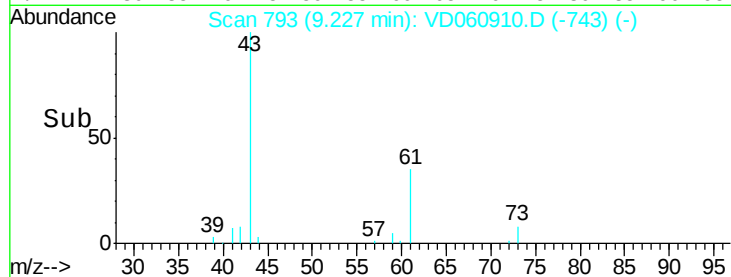
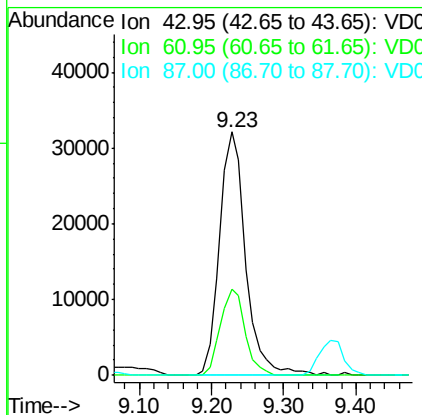
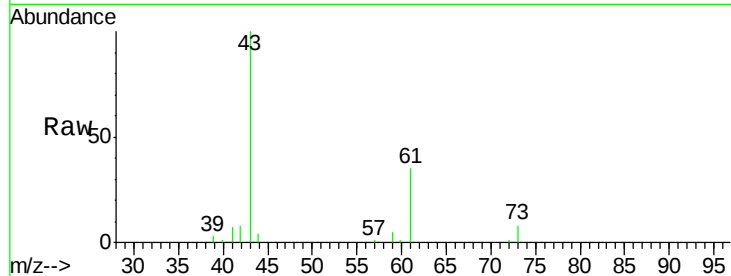
Isopropyl Acetate
 Concen: 10.077 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.2	25.4	38.2
87	0.0	0.3	0.5

Manual Integrations
 APPROVED

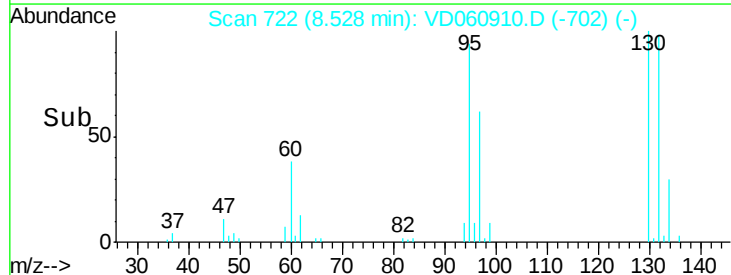
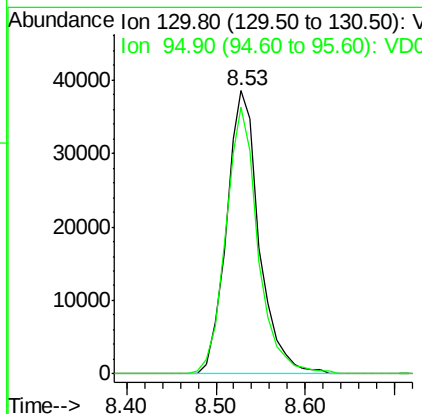
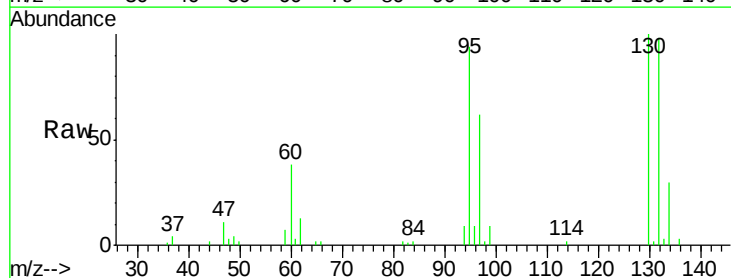
MMDadoda
 3/6/2019 5:33:03 AM

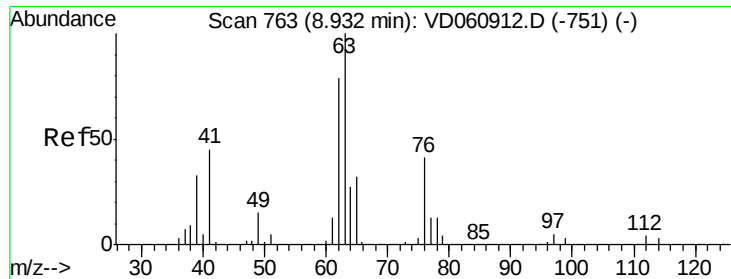


#44

Trichloroethene
 Concen: 10.189 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	179.6





#45

1,2-Dichloropropane

Concen: 11.262 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 78151

Ion Ratio Lower Upper

63 100

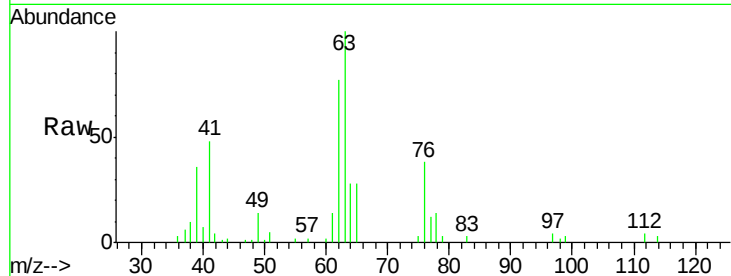
65 28.5 24.6 36.8

Manual Integrations

APPROVED

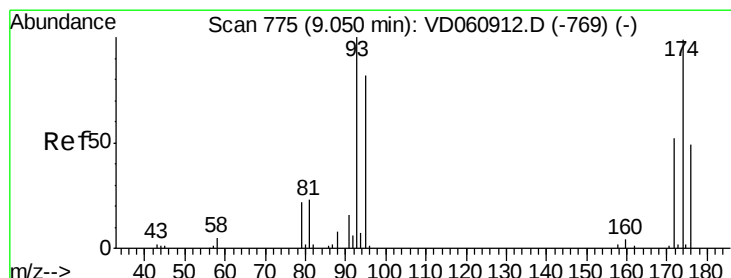
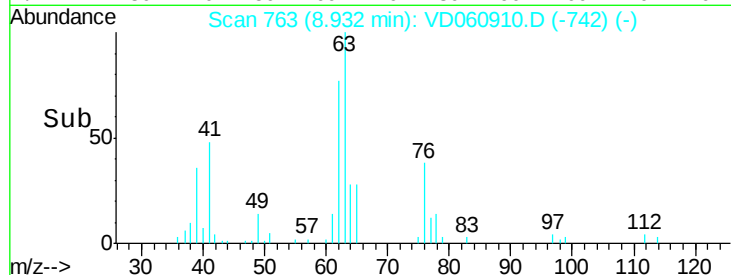
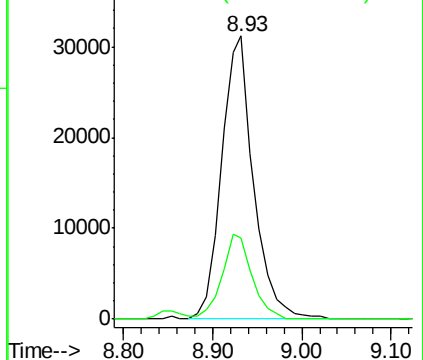
MMDadoda

3/6/2019 5:33:03 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 9.809 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

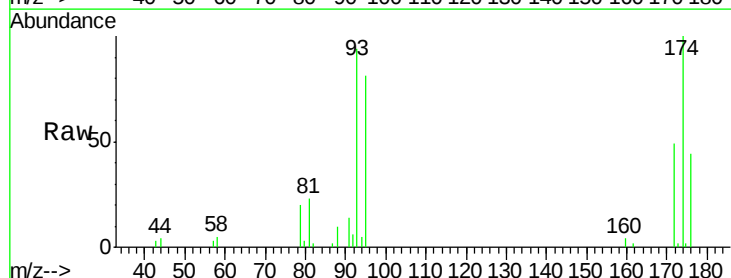
Tgt Ion: 93 Resp: 48907

Ion Ratio Lower Upper

93 100

95 86.4 64.0 96.0

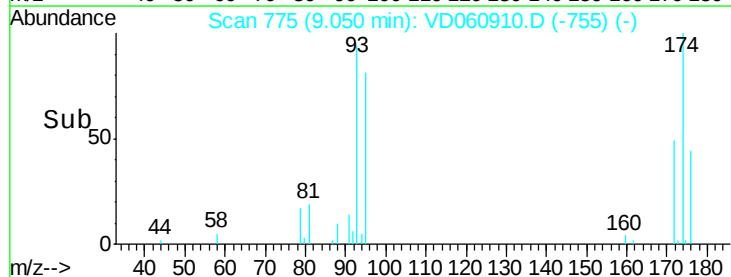
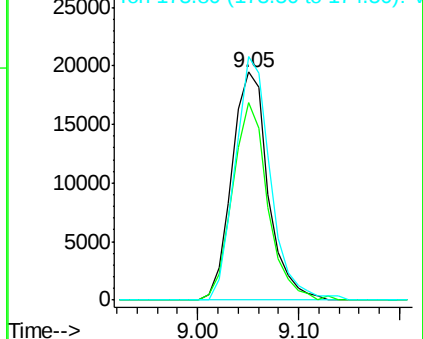
174 106.8 93.1 139.7

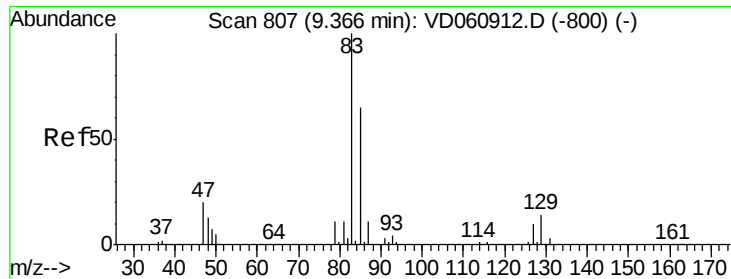


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 9.021 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 106673

Ion Ratio Lower Upper

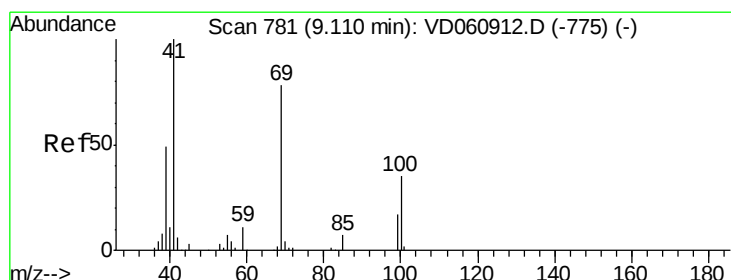
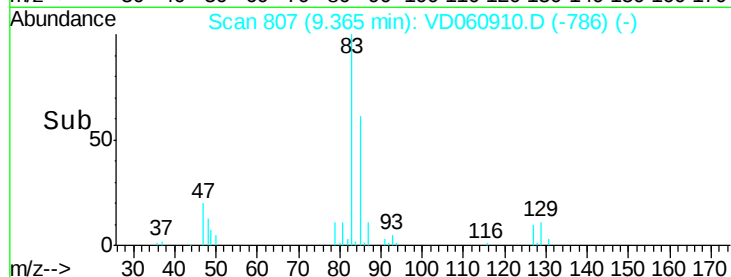
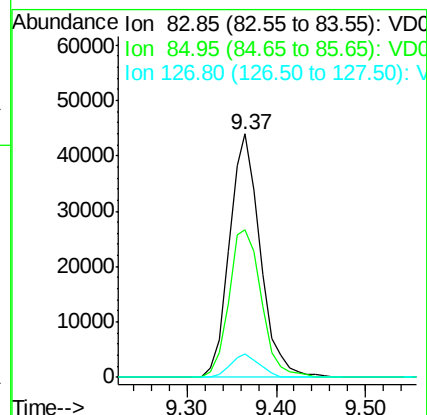
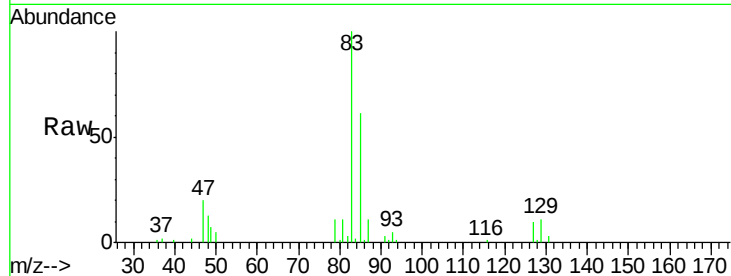
83 100

85 60.9 50.8 76.2

127 9.7 7.3 10.9

Manual Integrations
APPROVED

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3/6/2019 5:33:03 AM



#48

Methyl methacrylate

Concen: 10.597 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

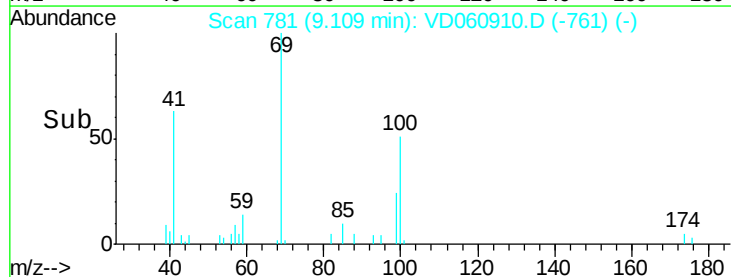
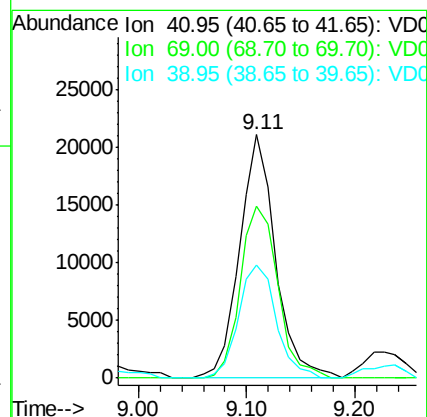
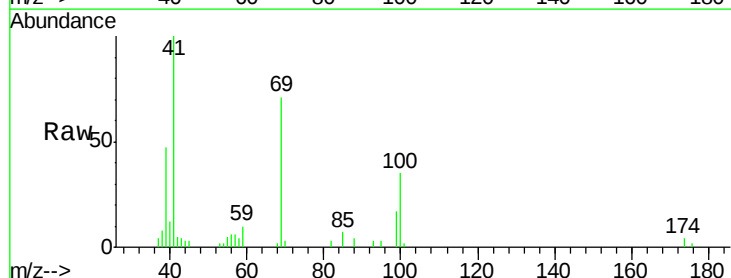
Tgt Ion: 41 Resp: 48566

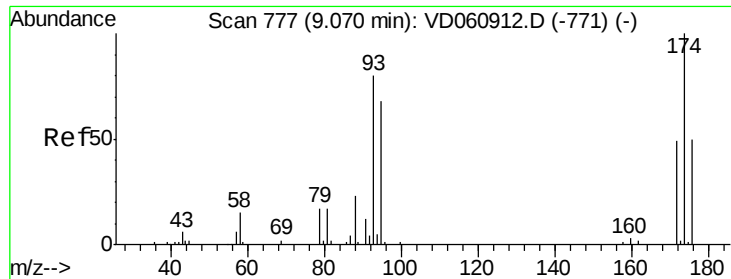
Ion Ratio Lower Upper

41 100

69 70.5 61.4 92.2

39 46.6 42.1 63.1





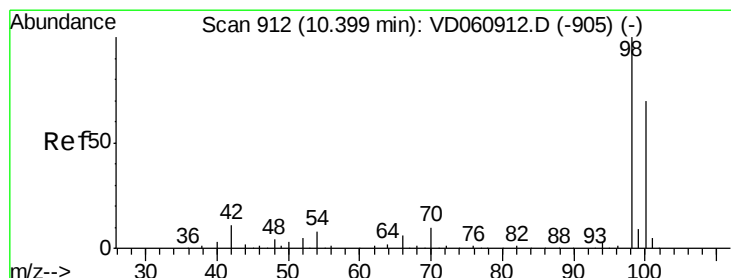
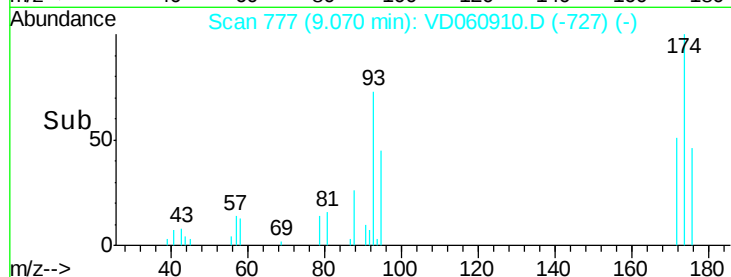
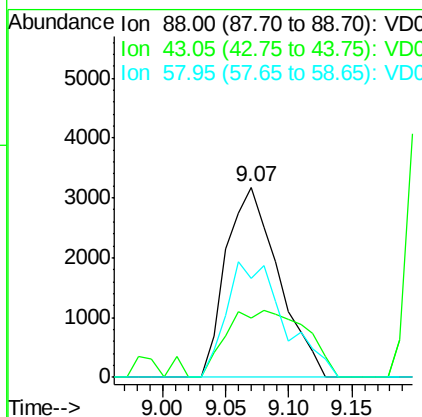
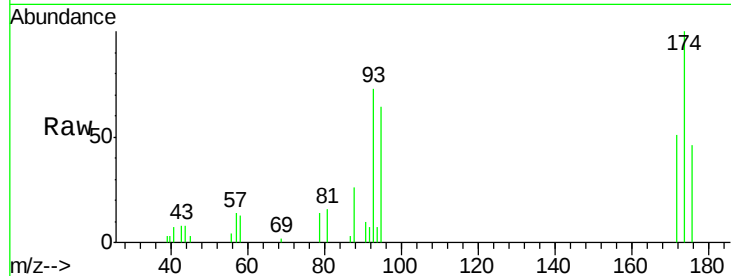
#49
1,4-Dioxane
Concen: 190.967 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion	88	Resp	9168
Ion	Ratio	Lower	Upper
88	100		
43	31.2	20.3	30.5#
58	52.4	40.6	61.0

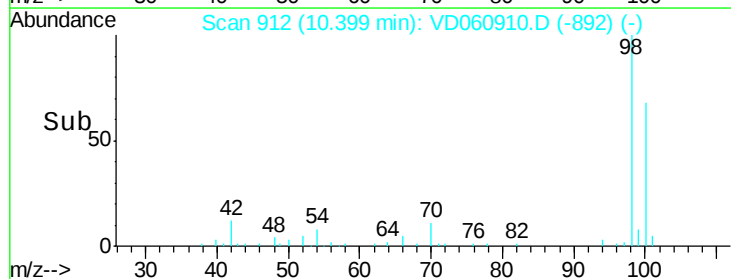
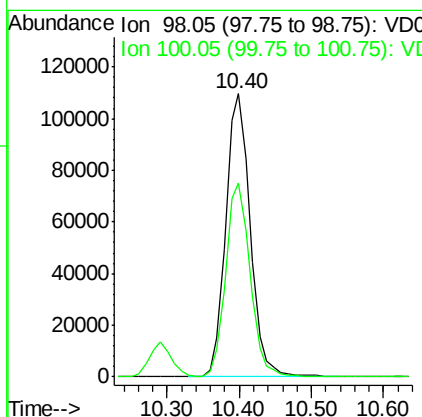
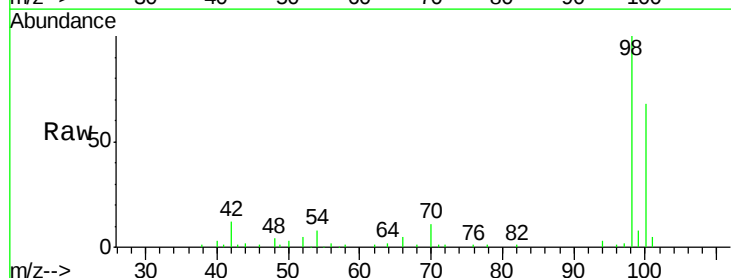
Manual Integrations
APPROVED

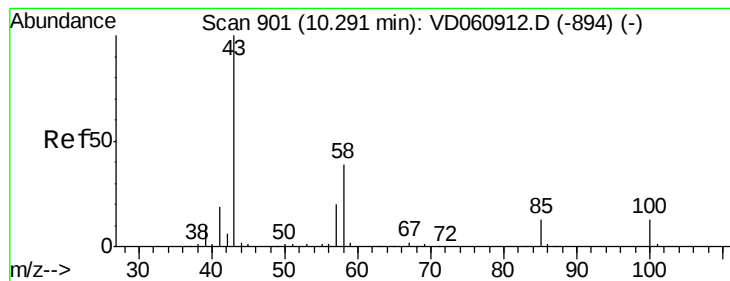
MMDadoda
3/6/2019 5:33:03 AM



#50
Toluene-d8
Concen: 190.967 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	98	Resp	257821
Ion	Ratio	Lower	Upper
98	100		
100	68.4	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 52.653 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 258545

Ion Ratio Lower Upper

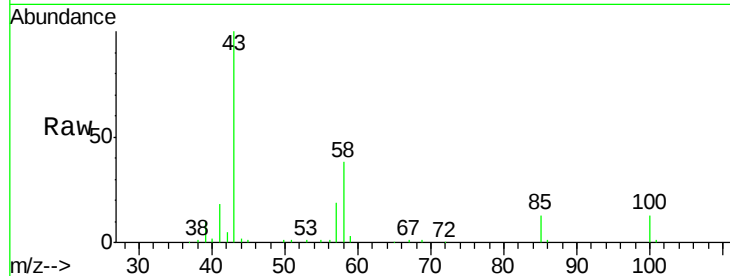
43 100

58 37.6 26.8 40.2

Manual Integrations
APPROVED

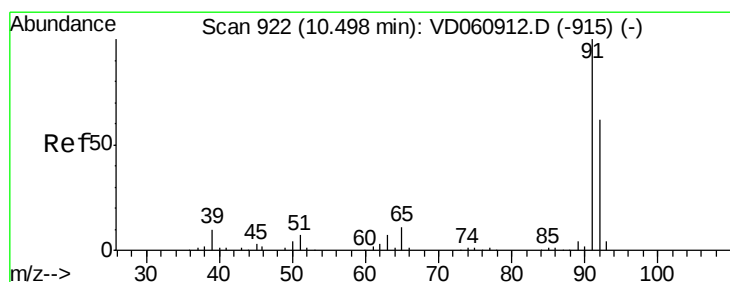
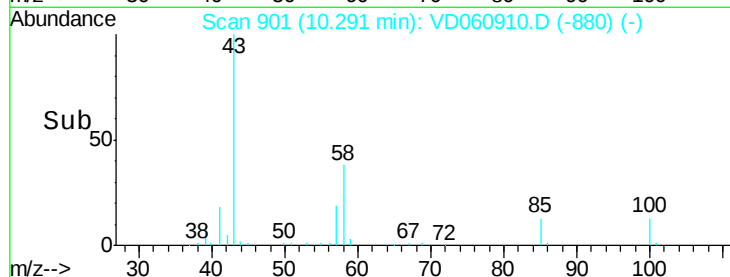
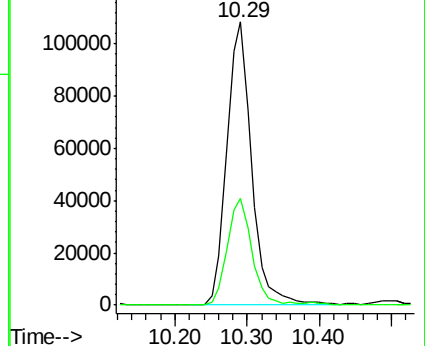
MMDadoda

3/6/2019 5:33:03 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 11.376 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD060910.D

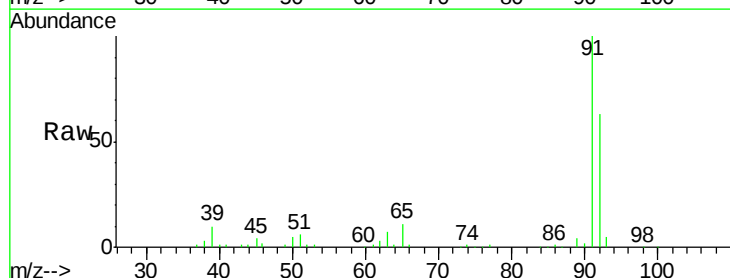
Acq: 1 Mar 2019 15:40

Tgt Ion: 92 Resp: 195732

Ion Ratio Lower Upper

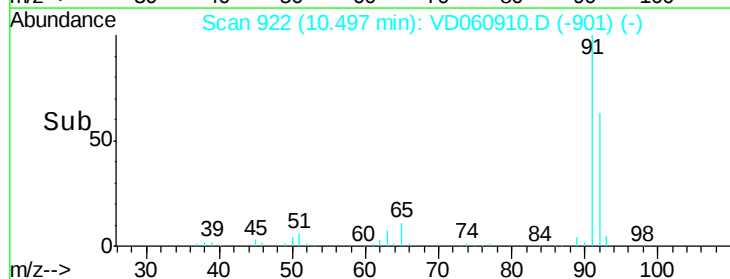
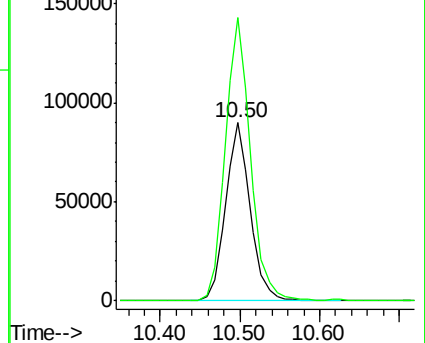
92 100

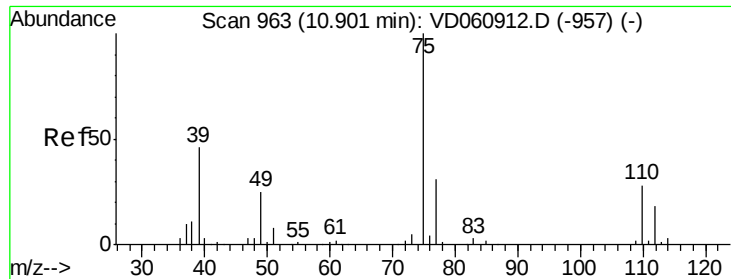
91 159.1 132.1 198.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





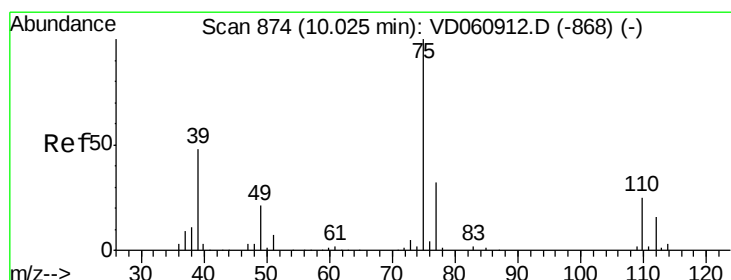
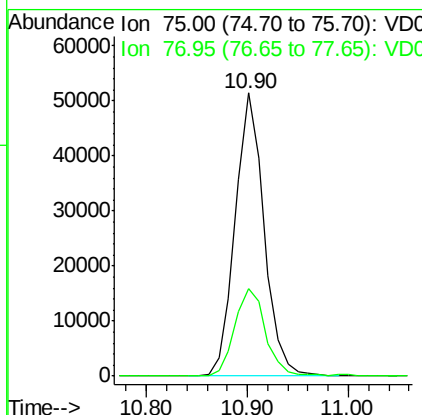
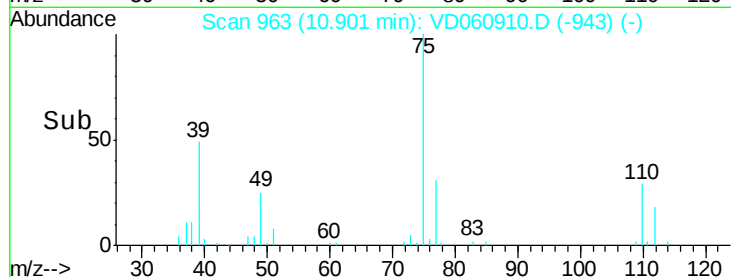
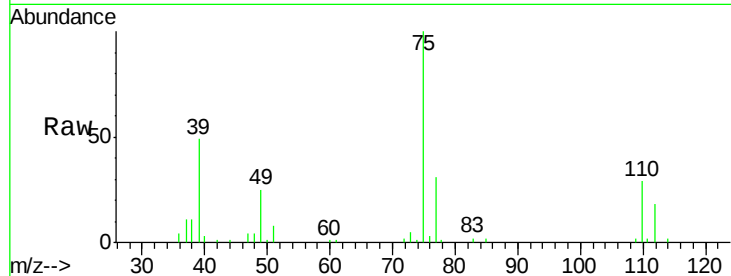
#53
t-1,3-Dichloropropene
Concen: 9.370 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 102282
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

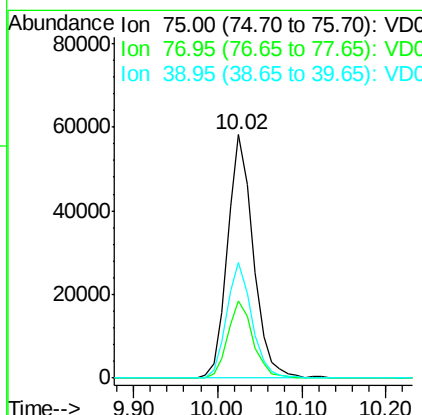
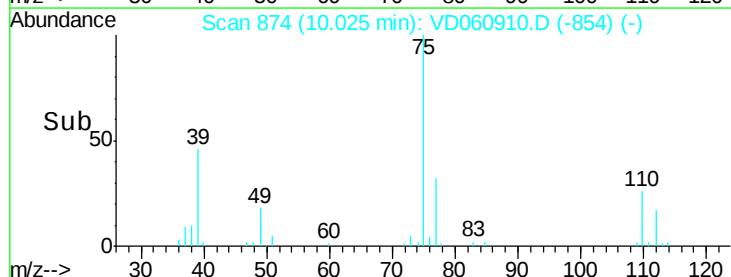
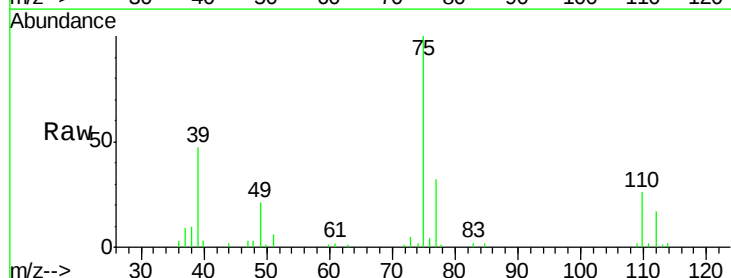
Manual Integrations
APPROVED

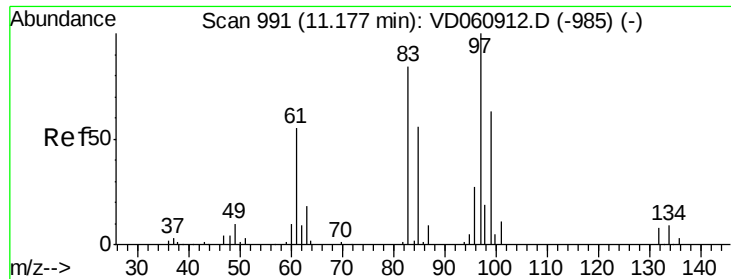
MMDadoda
3/6/2019 5:33:03 AM



#54
cis-1,3-Dichloropropene
Concen: 9.808 ug/l
RT: 10.02 min Scan# 874
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion: 75 Resp: 123343
Ion Ratio Lower Upper
75 100
77 31.7 26.1 39.1
39 47.4 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 10.589 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 62492

Ion Ratio Lower Upper

97 100

83 84.0 73.0 109.6

85 54.8 47.6 71.4

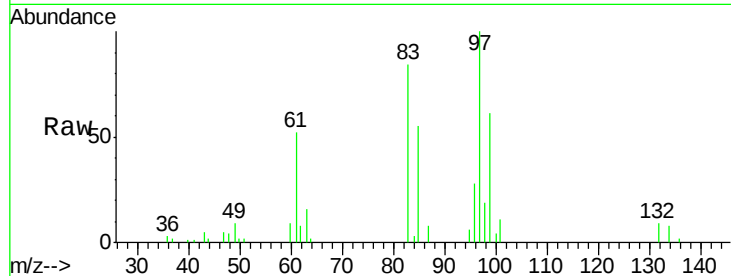
99 61.5 47.9 71.9

Manual Integrations

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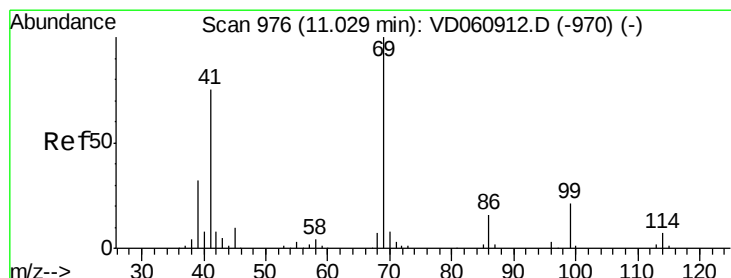
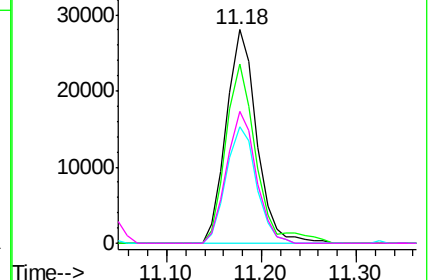
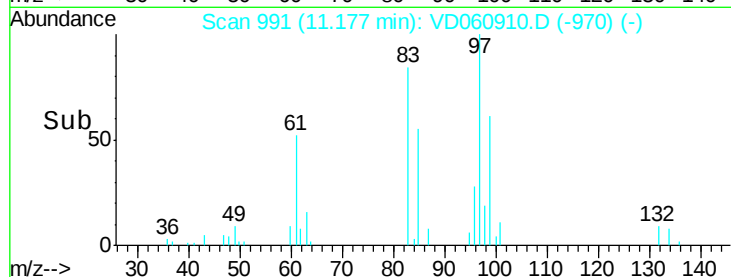


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 9.796 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

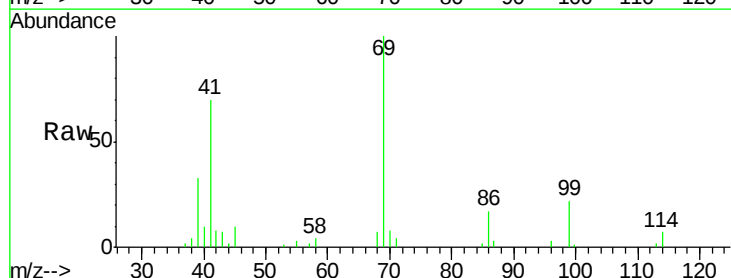
Tgt Ion: 69 Resp: 65789

Ion Ratio Lower Upper

69 100

41 70.5 58.2 87.2

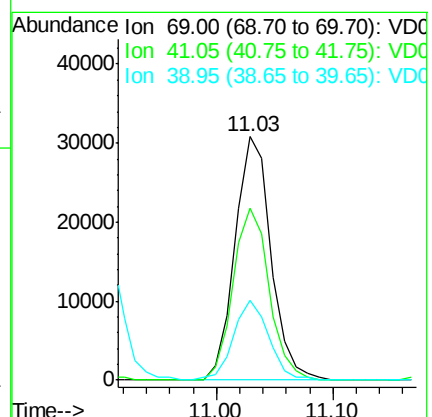
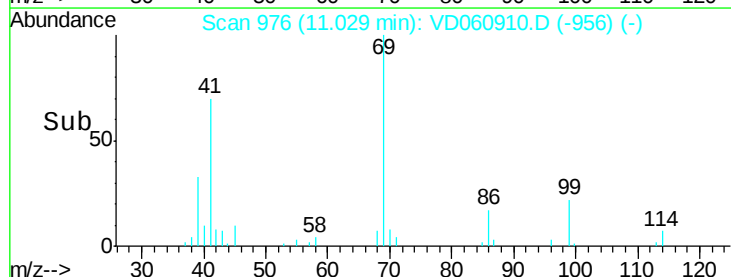
39 32.8 30.8 46.2

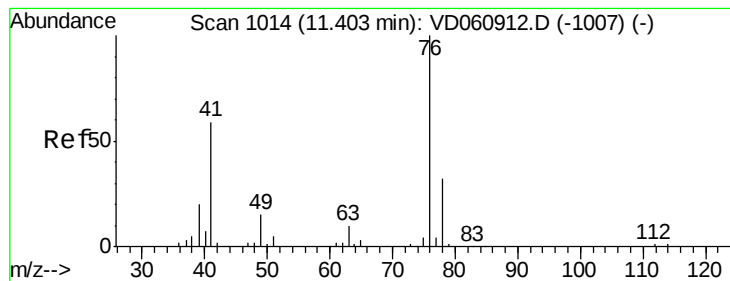


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 8.992 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 87399

Ion Ratio Lower Upper

76 100

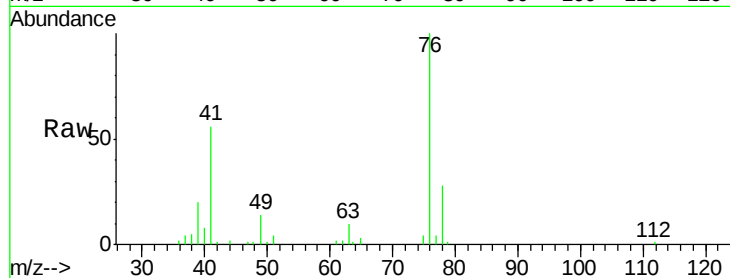
78 28.4 25.2 37.8

Manual Integrations

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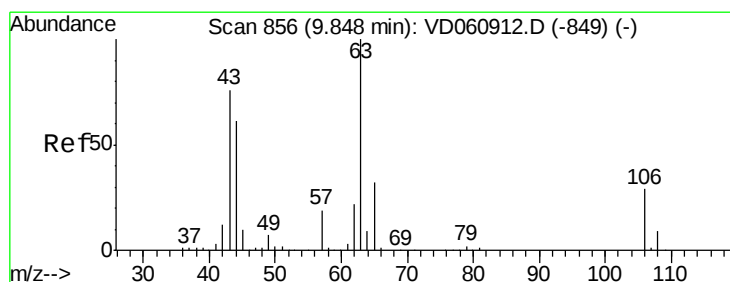
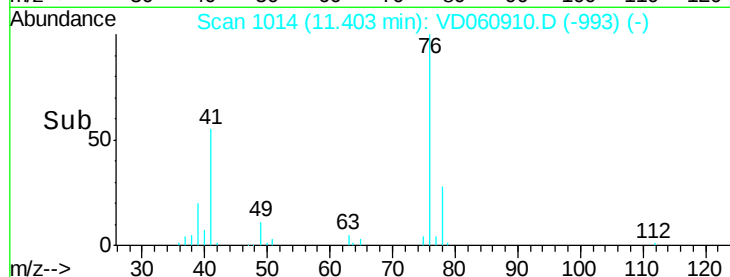
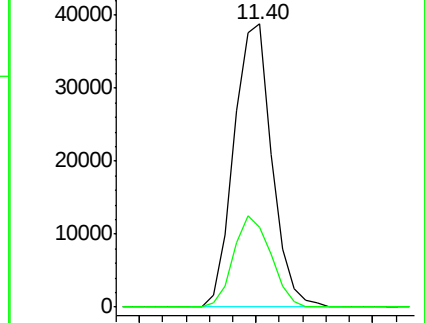
MMDadoda

3/6/2019 5:33:03 AM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 53.768 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD060910.D

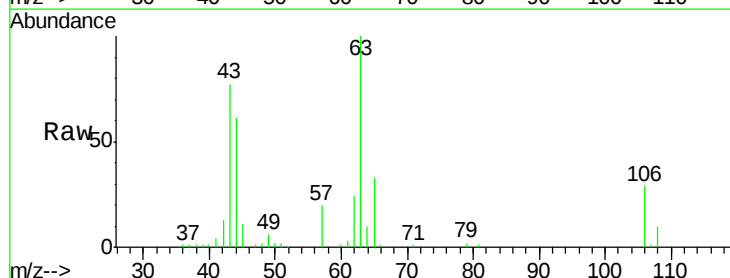
Acq: 1 Mar 2019 15:40

Tgt Ion: 63 Resp: 173015

Ion Ratio Lower Upper

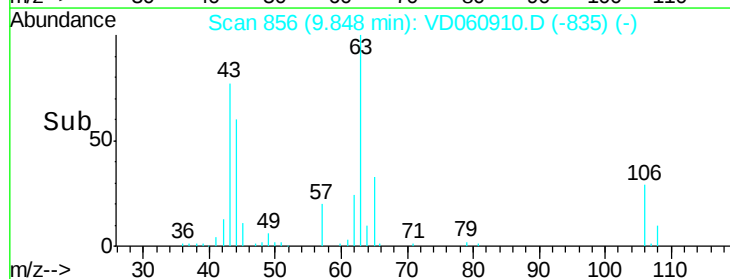
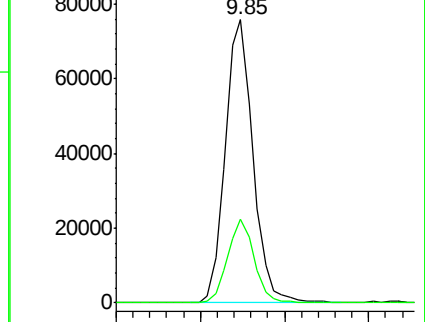
63 100

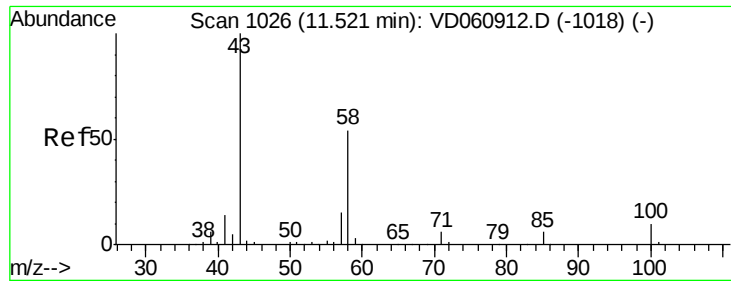
106 29.4 23.0 34.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





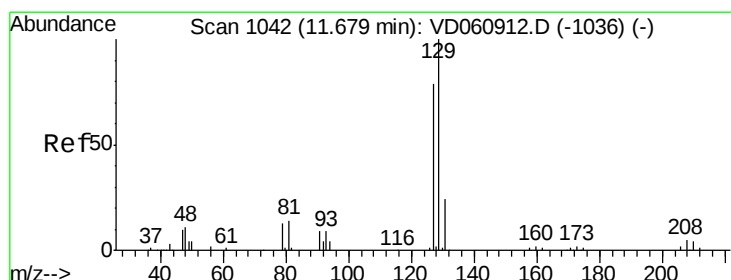
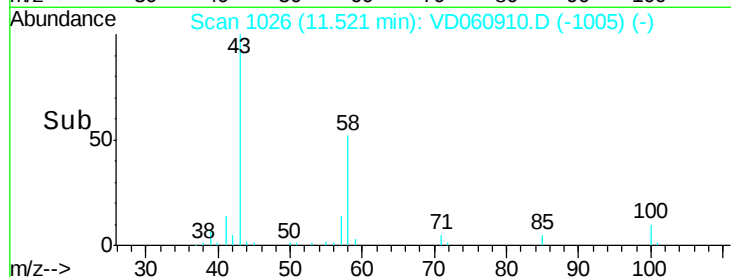
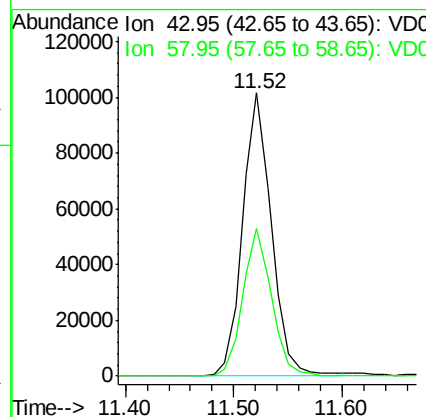
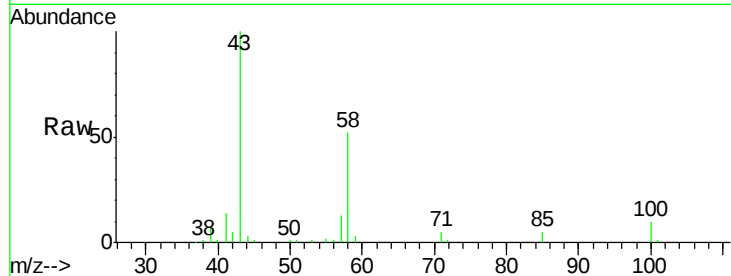
#59
2-Hexanone
Concen: 49.686 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 187309
Ion Ratio Lower Upper
43 100
58 52.2 25.4 76.2

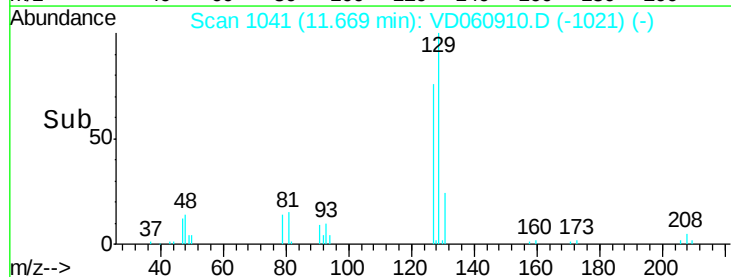
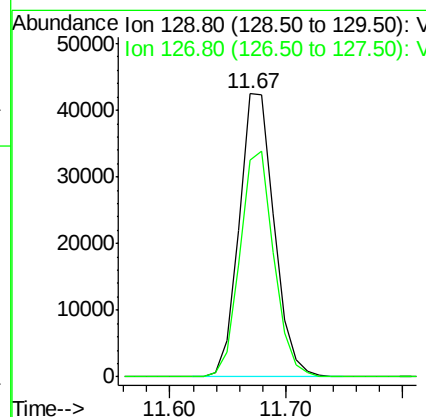
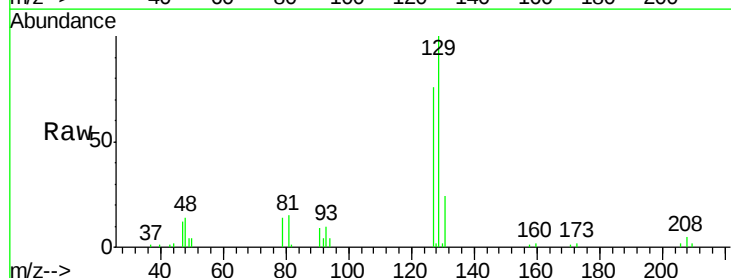
Manual Integrations
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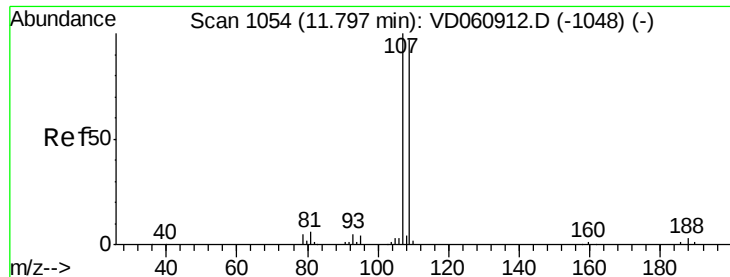
MMDadoda
3/6/2019 5:33:03 AM



#60
Dibromochloromethane
Concen: 10.422 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion: 129 Resp: 88383
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 10.599 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 70813

Ion Ratio Lower Upper

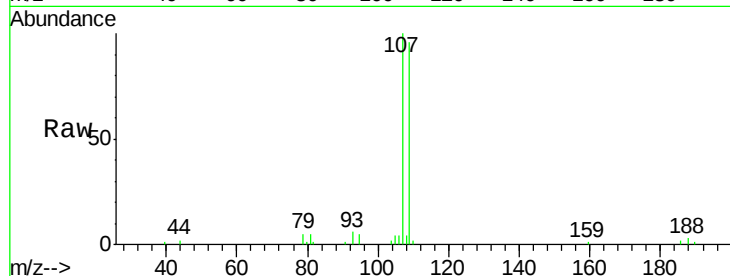
107 100

109 96.2 75.0 112.6

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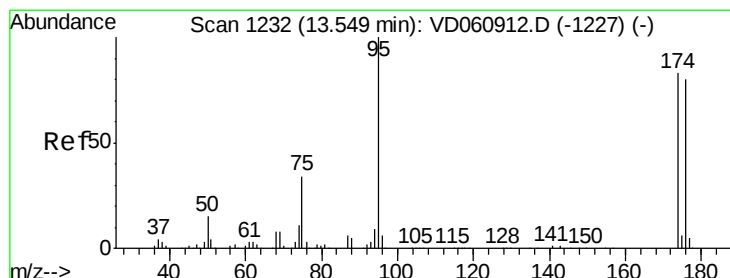
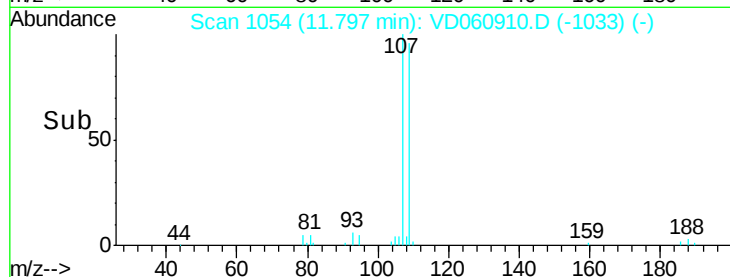
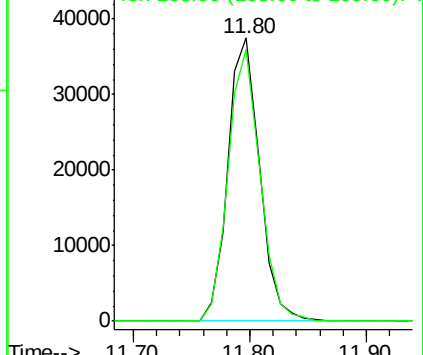
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 10.599 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

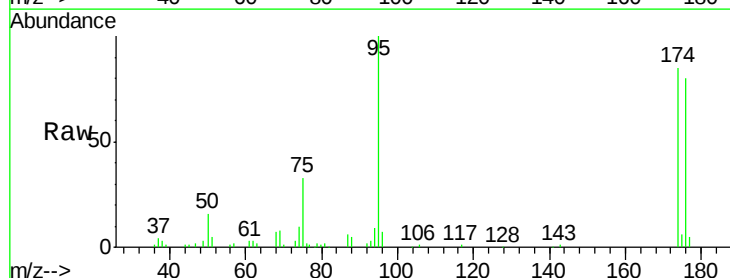
Tgt Ion: 95 Resp: 96419

Ion Ratio Lower Upper

95 100

174 84.8 0.0 207.2

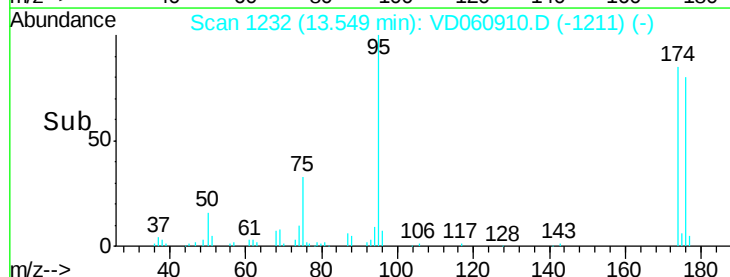
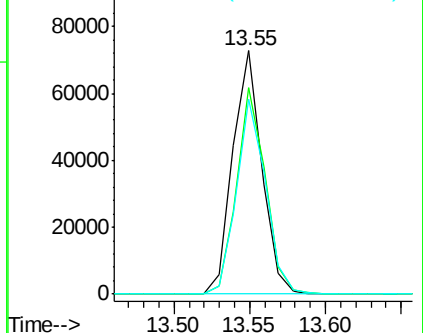
176 80.2 0.0 198.4

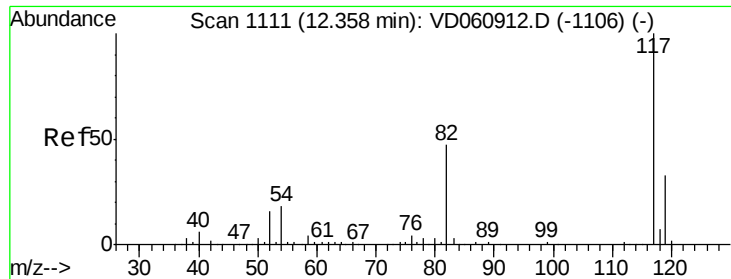


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





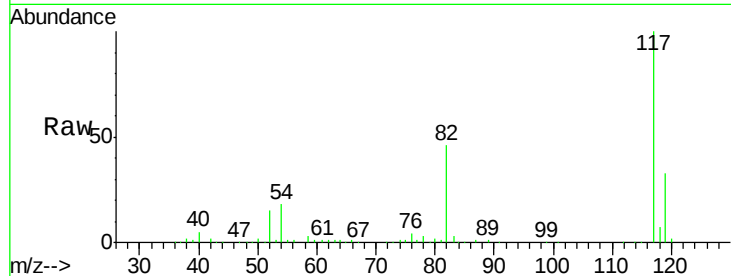
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

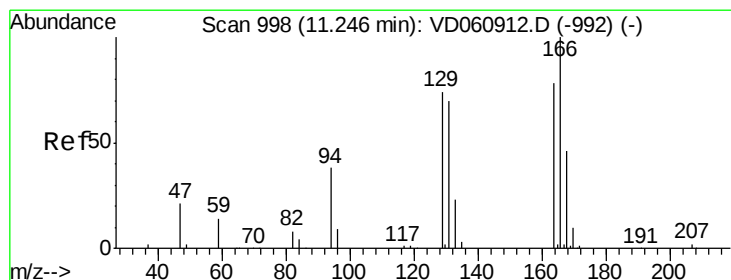
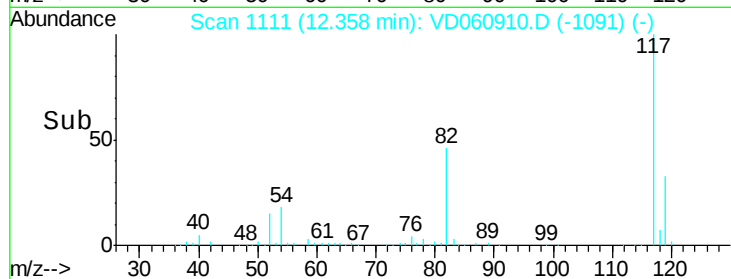
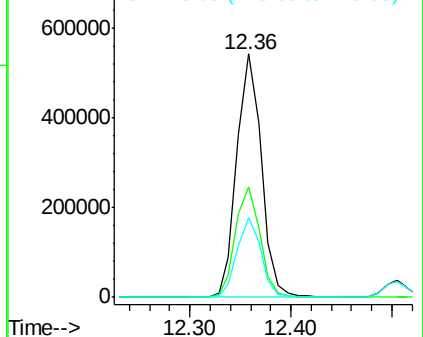
Tot Ion	Ratio	Lower	Upper
117	100		
82	45.5	45.5	68.3#
119	32.6	25.7	38.5

Manual Integrations
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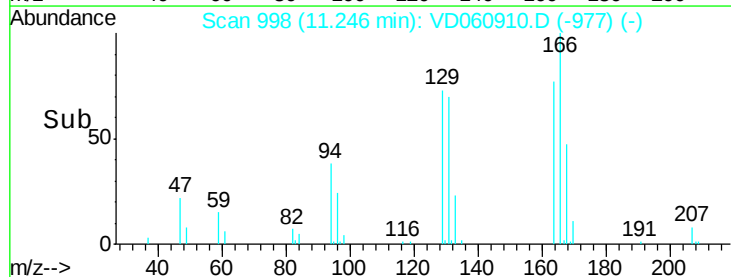
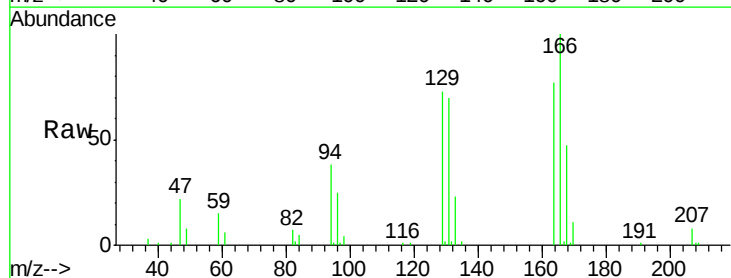
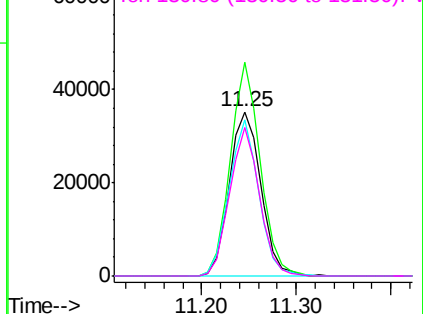
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

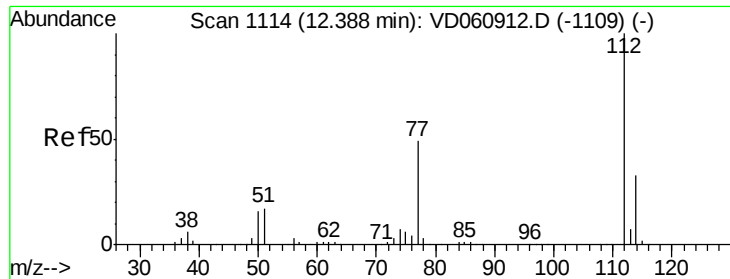


#64
Tetrachloroethene
Concen: 9.800 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.9	152.9
129	95.6	63.0	94.4#
131	90.7	63.1	94.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





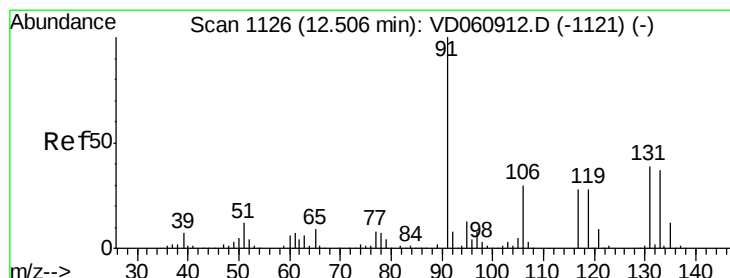
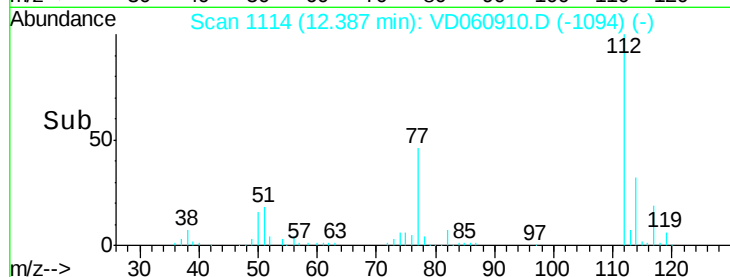
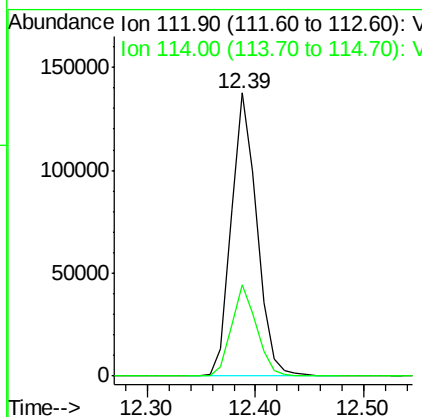
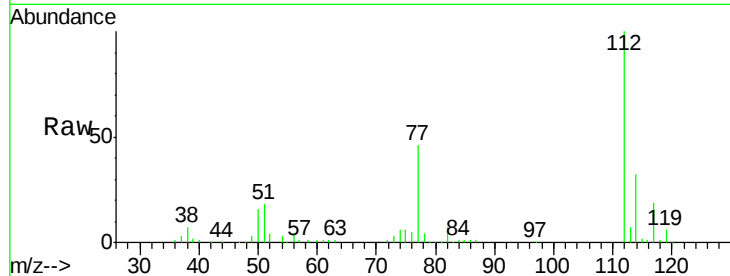
#65
Chlorobenzene
Concen: 12.118 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 226109
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6

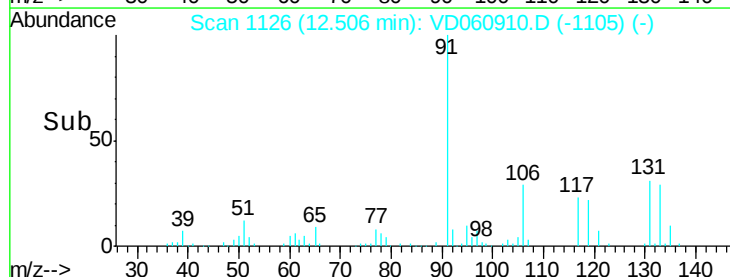
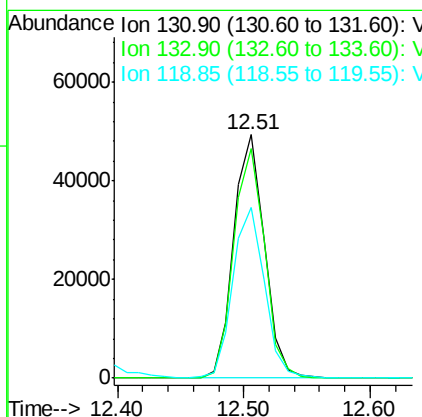
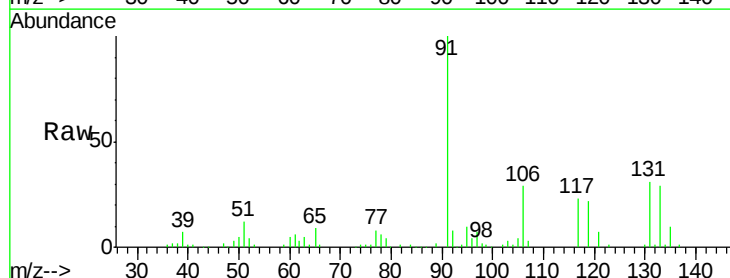
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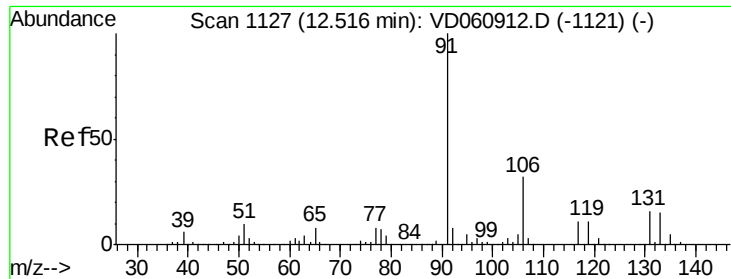
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#66
1,1,1,2-Tetrachloroethane
Concen: 11.159 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion:131 Resp: 82859
Ion Ratio Lower Upper
131 100
133 94.5 48.5 145.6
119 70.3 32.8 98.3





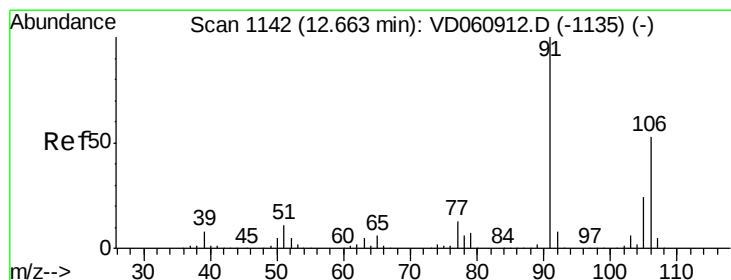
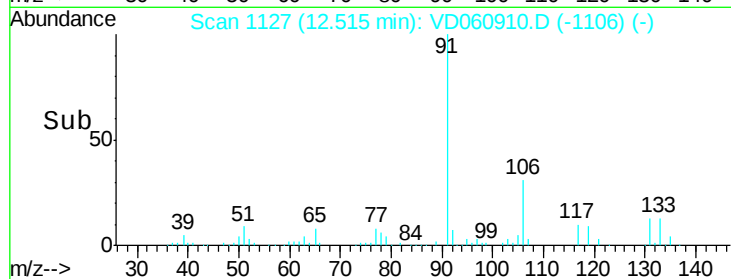
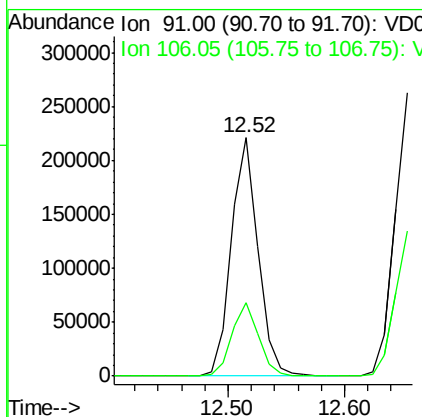
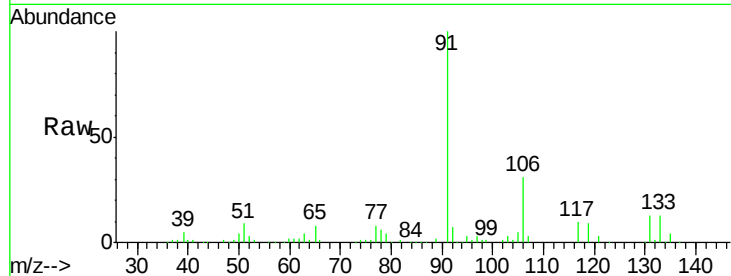
#67
Ethyl Benzene
Concen: 11.049 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 350908
Ion Ratio Lower Upper
91 100
106 31.0 22.2 33.2

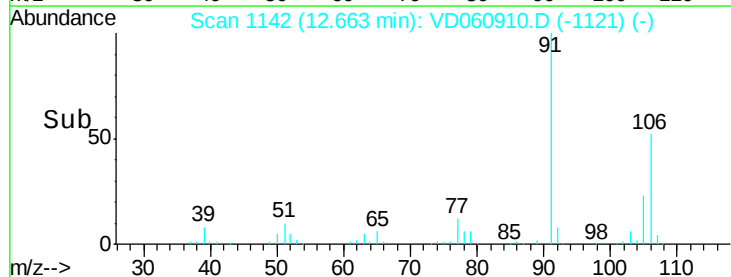
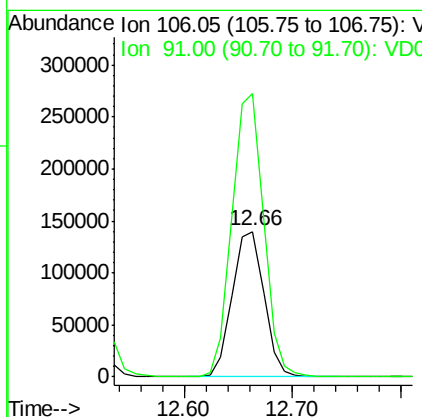
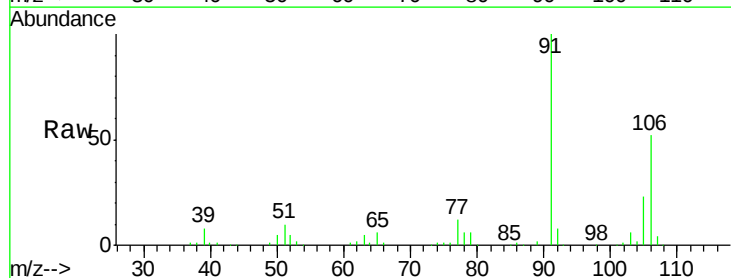
Manual Integrations
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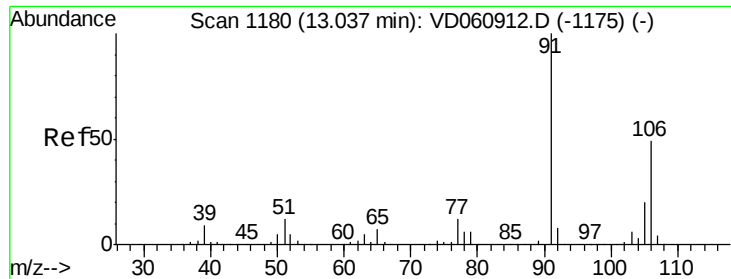
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#68
m/p-Xylenes
Concen: 25.603 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion: 106 Resp: 287382
Ion Ratio Lower Upper
106 100
91 194.2 174.2 261.2





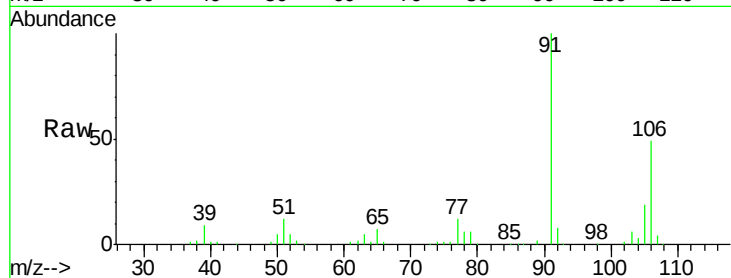
#69
o-Xylene
Concen: 12.153 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

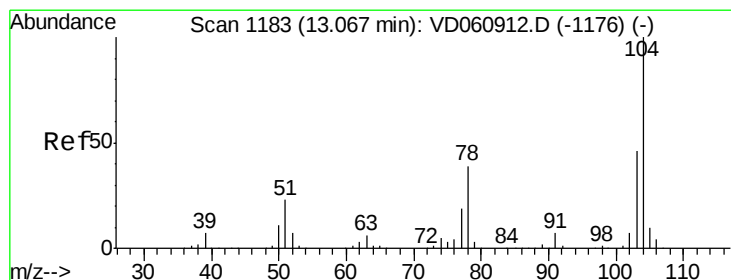
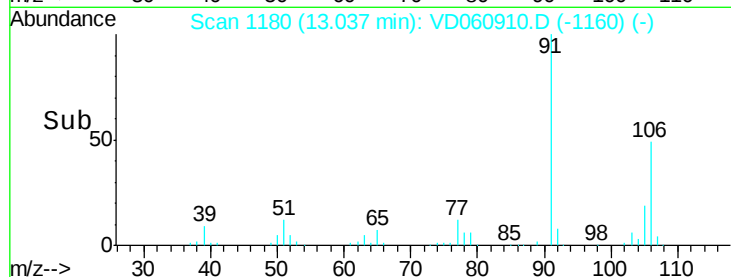
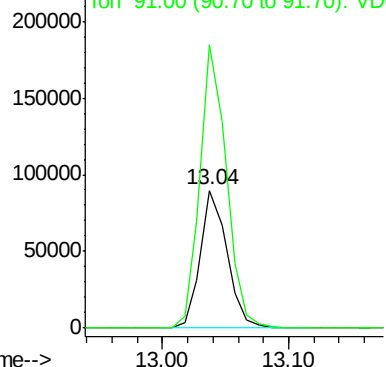
Tot Ion:106 Resp: 131377
Ion Ratio Lower Upper
106 100
91 205.3 116.9 350.7

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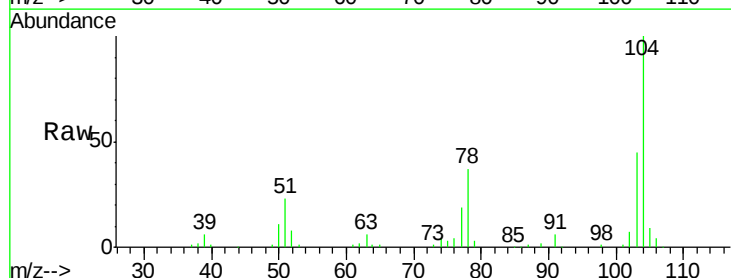


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

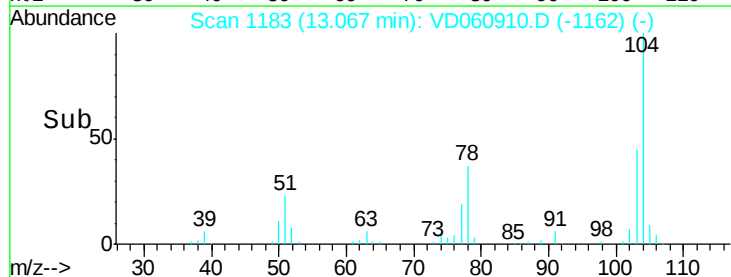
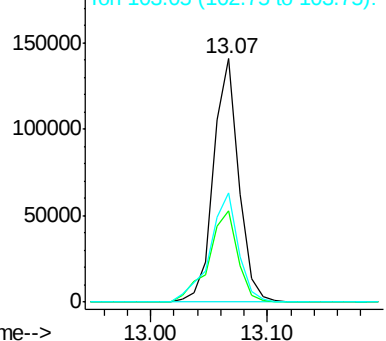


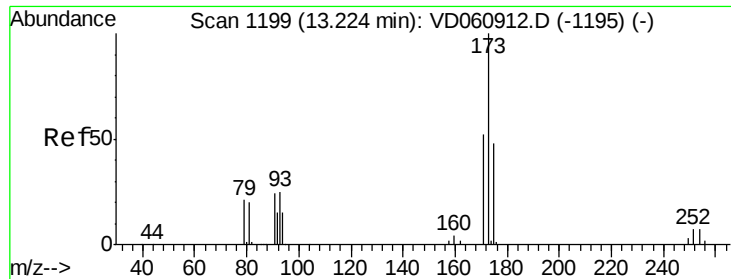
#70
Styrene
Concen: 11.584 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion:104 Resp: 210472
Ion Ratio Lower Upper
104 100
78 37.4 34.6 51.8
103 44.8 36.3 54.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





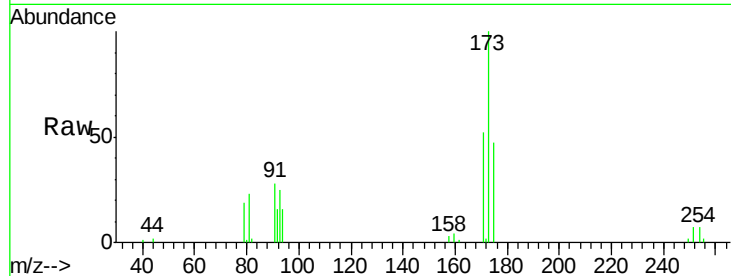
#71
Bromoform
Concen: 8.492 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

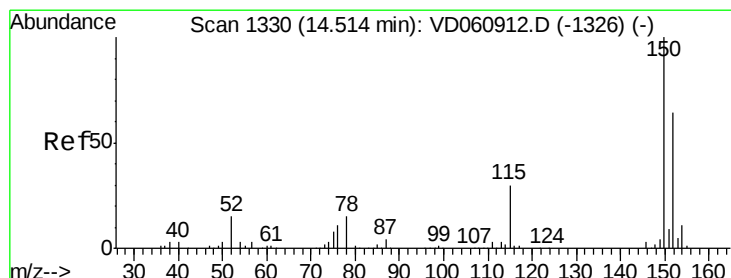
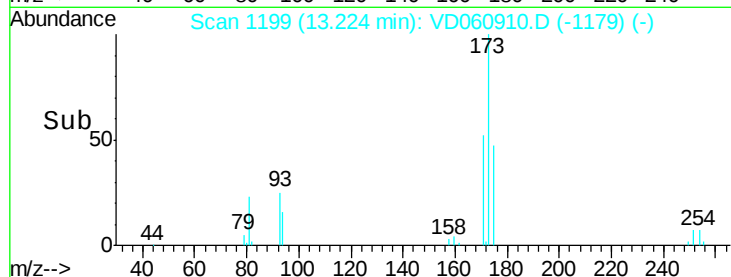
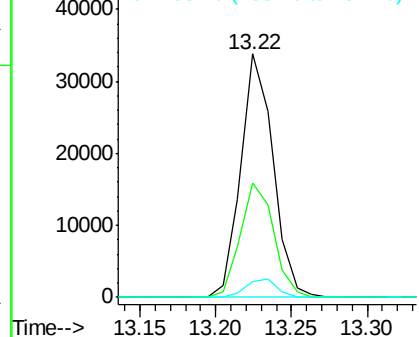
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.6	73.8
254	6.6	6.0	9.0

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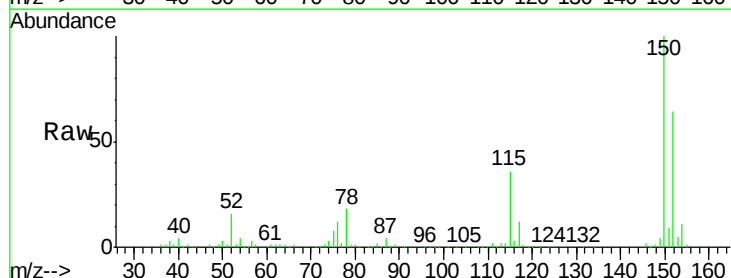


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

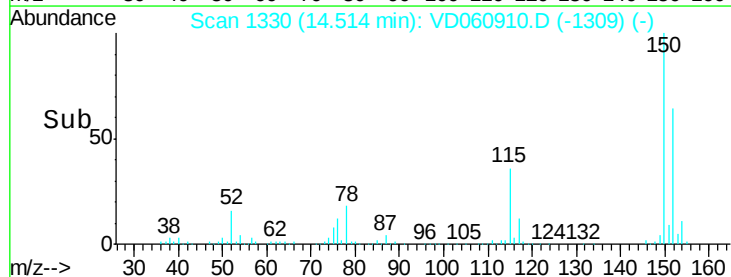
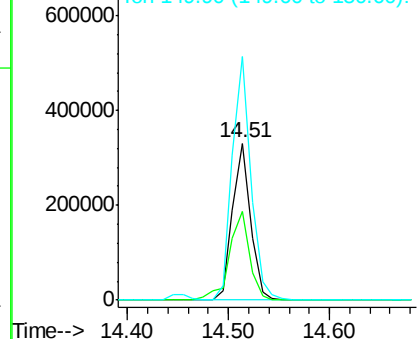


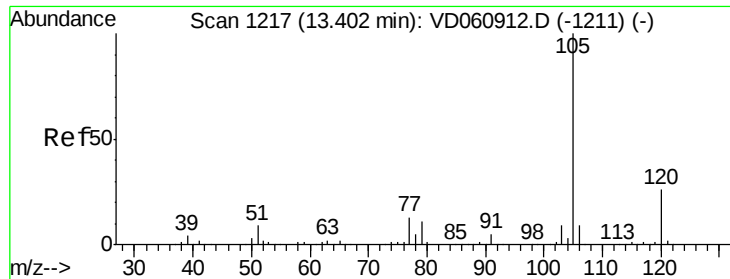
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	24.4	73.2
150	155.0	0.0	311.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 15.619 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 375649

Ion Ratio Lower Upper

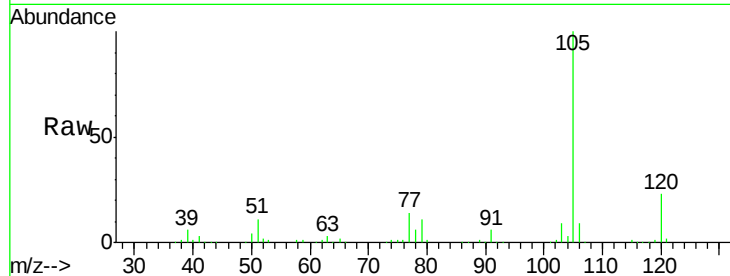
105 100

120 23.5 12.2 36.6

Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

250000

200000

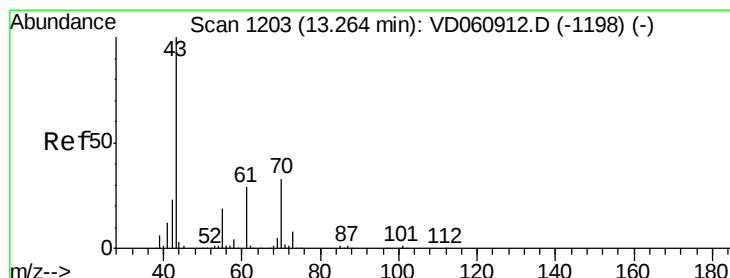
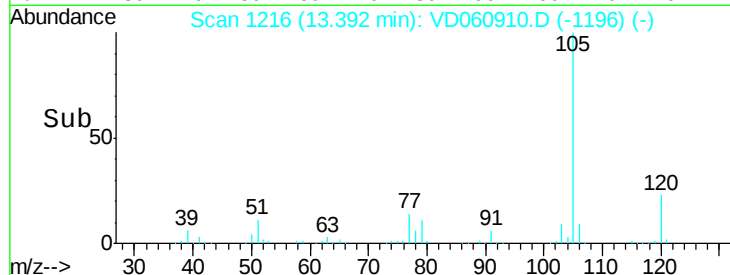
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 12.587 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion: 43 Resp: 104631

Ion Ratio Lower Upper

43 100

70 27.1 26.8 40.2

55 18.2 14.2 21.4

61 26.0 20.6 31.0

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

13.25

100000

80000

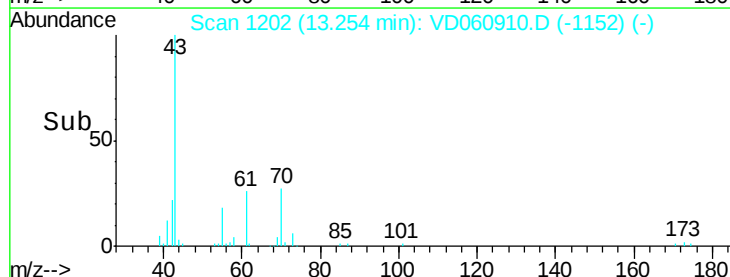
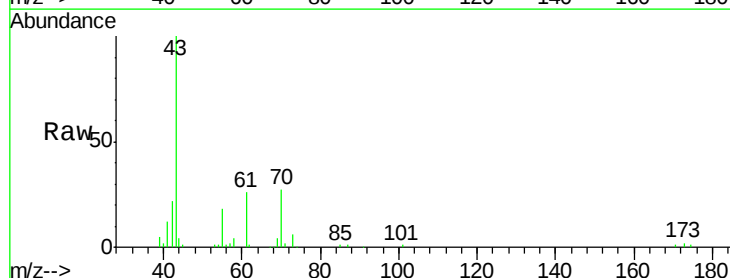
60000

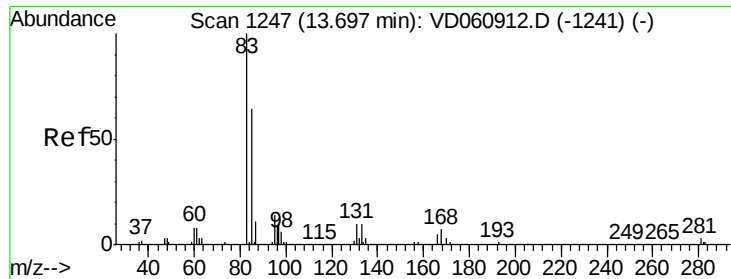
40000

20000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 12.635 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

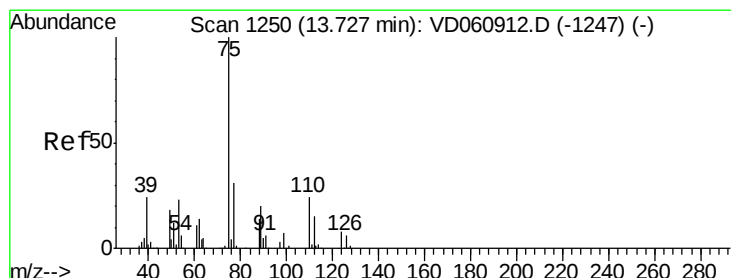
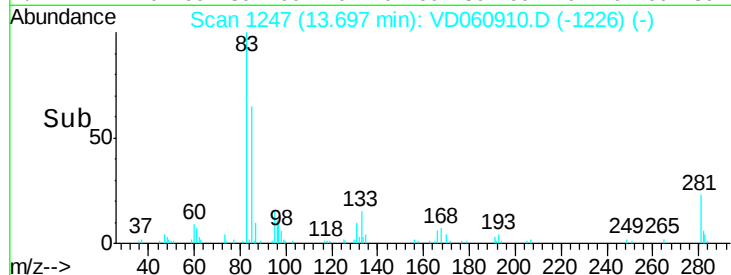
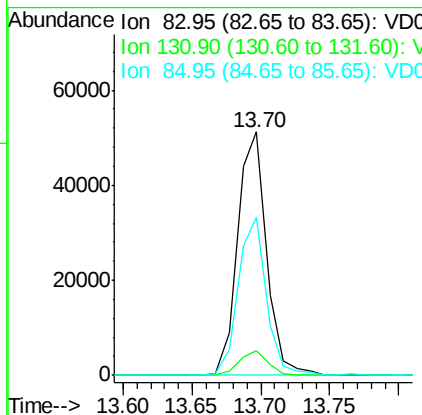
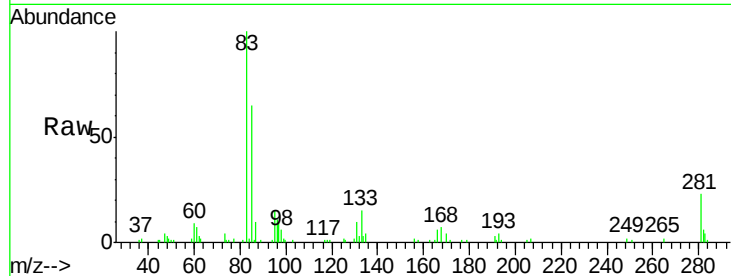
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	74843
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.6
85	64.8	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 12.245 ug/l

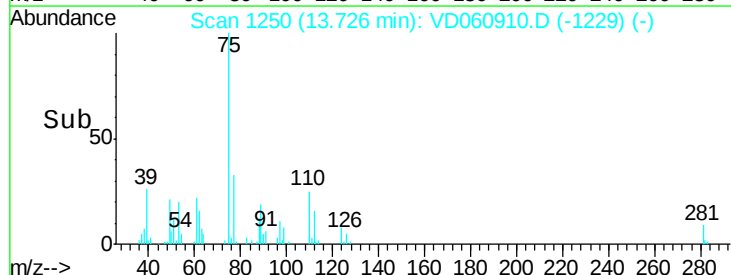
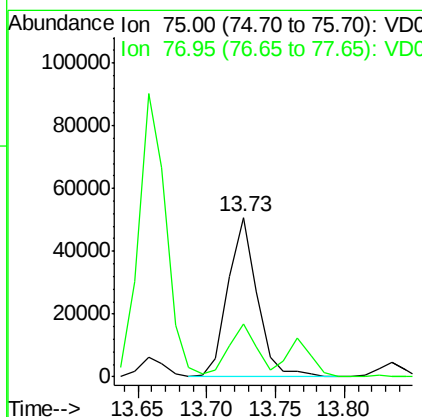
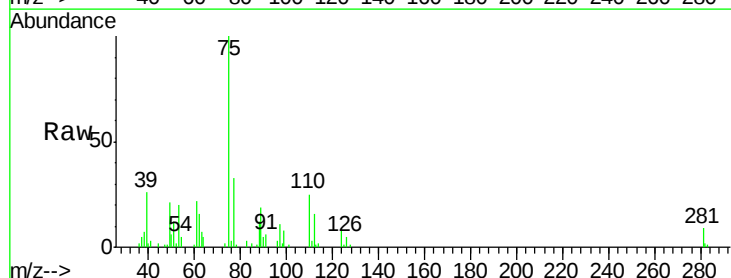
RT: 13.73 min Scan# 1250

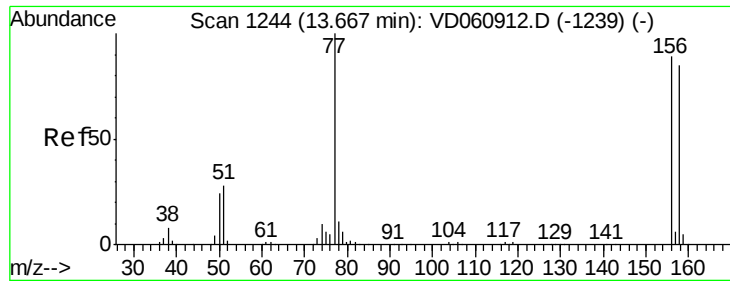
Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion:	75	Resp:	74891
Ion Ratio	Lower	Upper	
75	100		
77	33.4	16.3	48.8





#77

Bromobenzene

Concen: 12.052 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

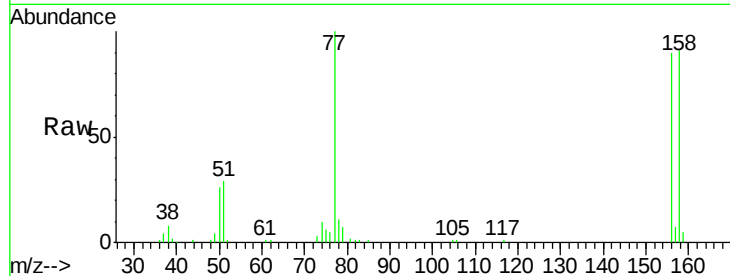
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	111.4	67.4	202.2	
158	101.8	49.2	147.6	

Manual Integrations
APPROVED

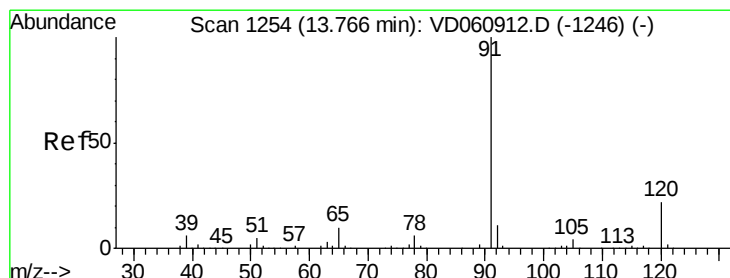
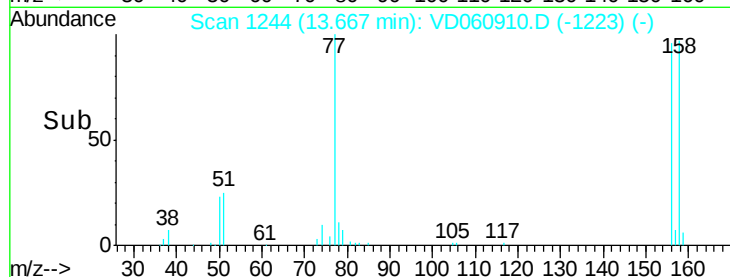
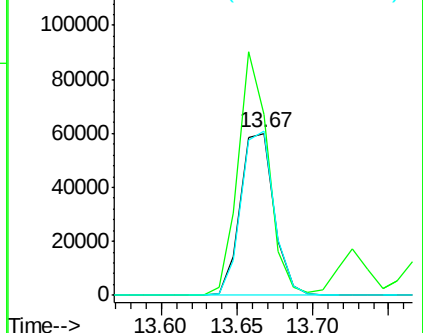
MMDadoda
3/6/2019 5:33:03 AM



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: 13.676 ug/l

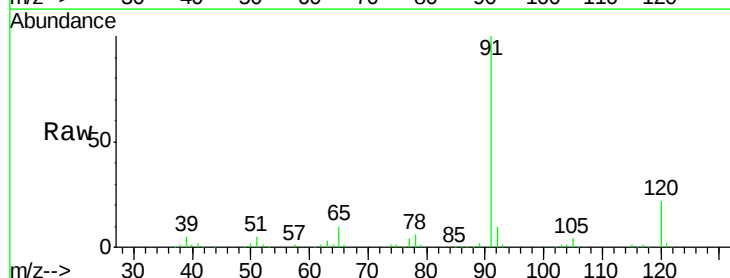
RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD060910.D

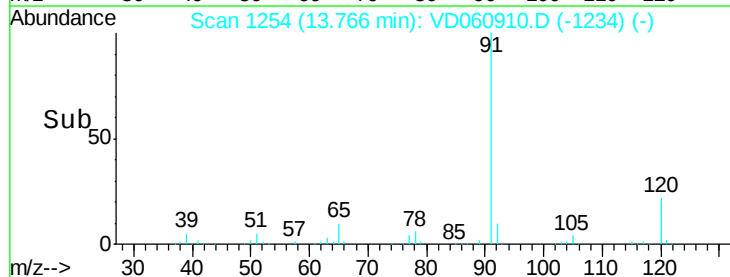
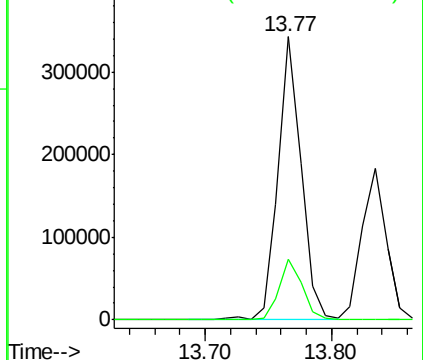
Acq: 1 Mar 2019 15:40

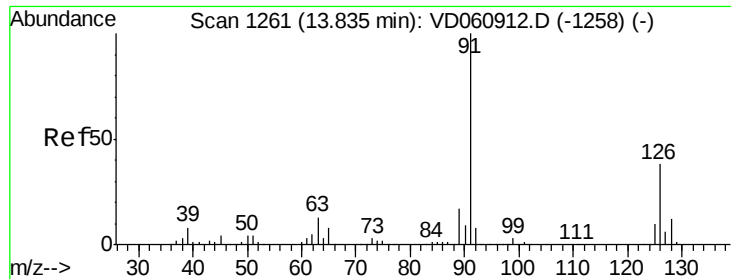
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.1	30.3	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 13.420 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 246316

Ion Ratio Lower Upper

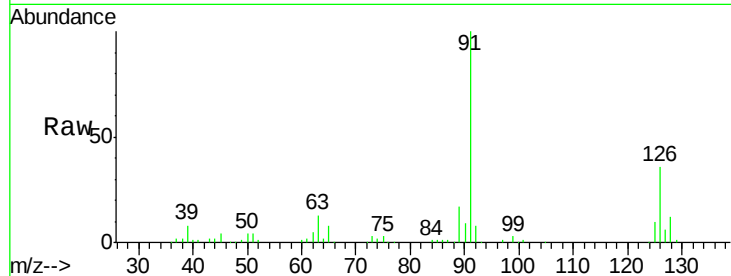
91 100

126 36.4 17.4 52.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060912.D (-1258) (-)

400000

300000

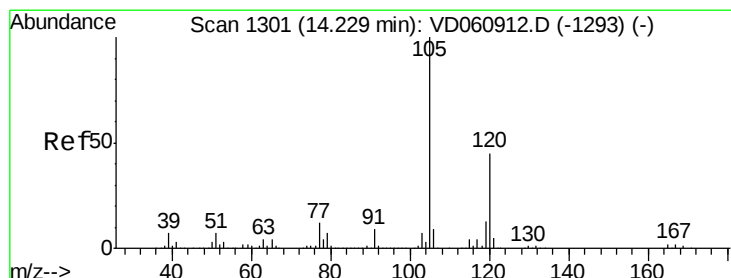
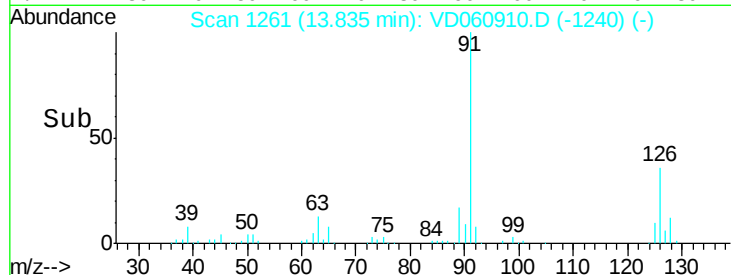
200000

100000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 14.975 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD060910.D

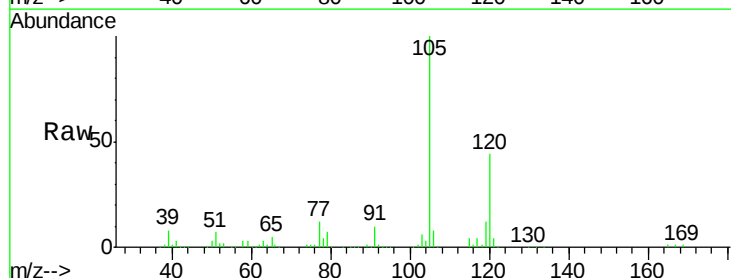
Acq: 1 Mar 2019 15:40

Tgt Ion: 105 Resp: 296004

Ion Ratio Lower Upper

105 100

120 44.3 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD060912.D (-1293) (-)

Ion 120.05 (119.75 to 120.75): VD060912.D (-1293) (-)

250000

200000

150000

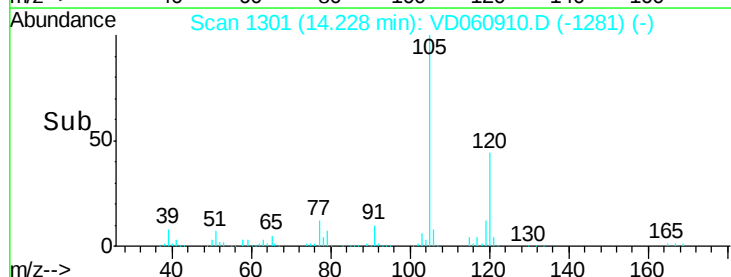
100000

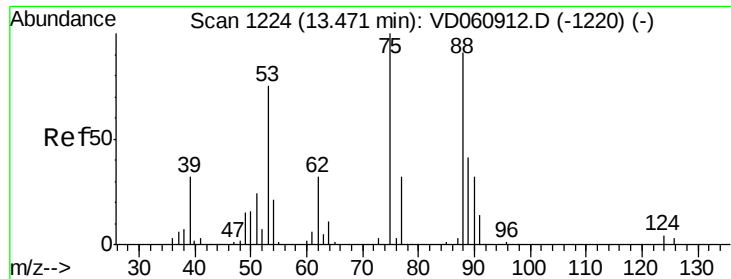
50000

0

14.10 14.20 14.30

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 10.862 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

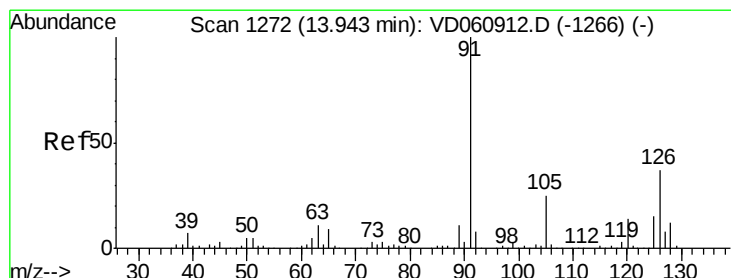
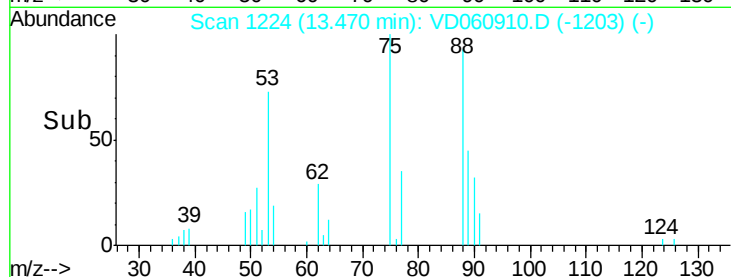
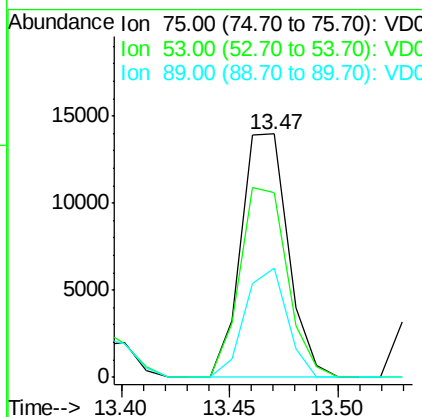
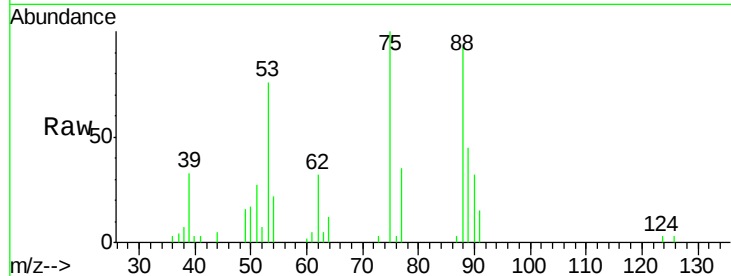
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	21167
Ion Ratio	Lower	Upper	
75	100		
53	75.8	60.2	90.4
89	44.9	32.6	49.0

Manual Integrations
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3/6/2019 5:33:03 AM



#82

4-Chlorotoluene

Concen: 13.621 ug/l

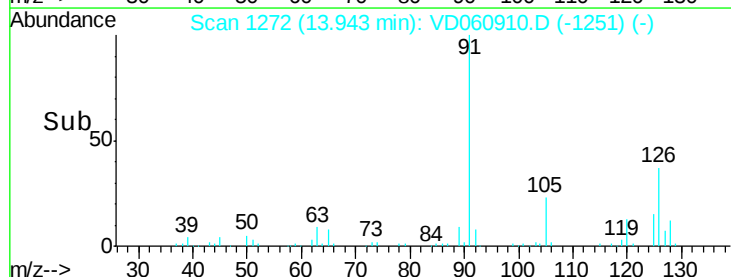
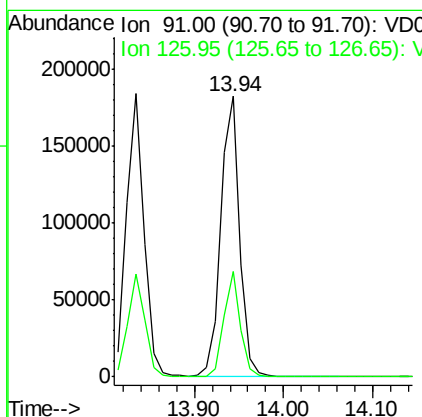
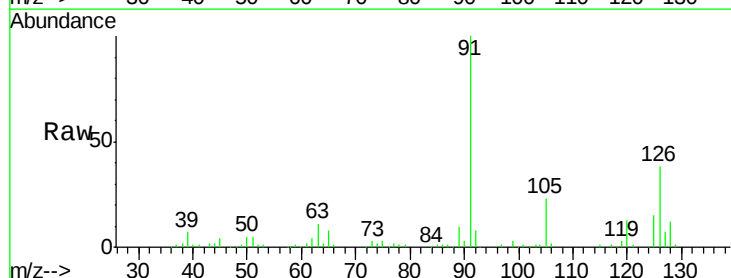
RT: 13.94 min Scan# 1272

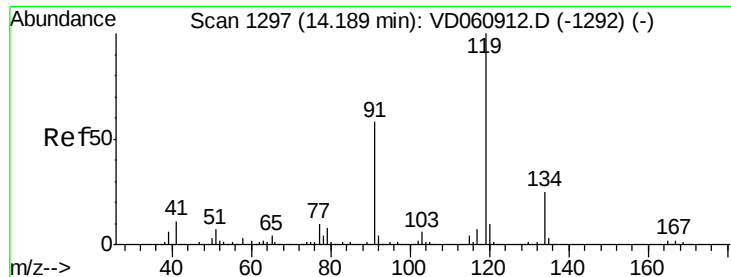
Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion:	91	Resp:	274295
Ion Ratio	Lower	Upper	
91	100		
126	37.6	16.9	50.7





#83

tert-Butylbenzene

Concen: 14.277 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

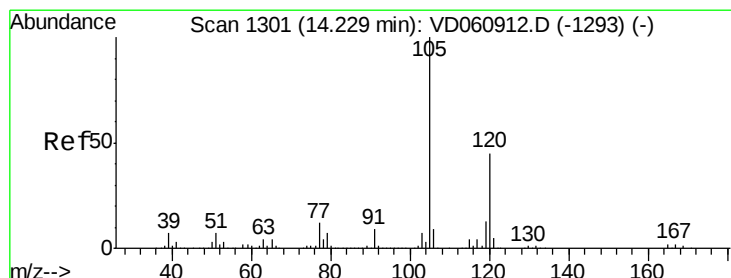
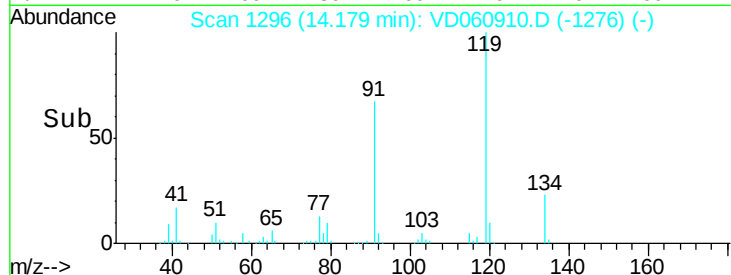
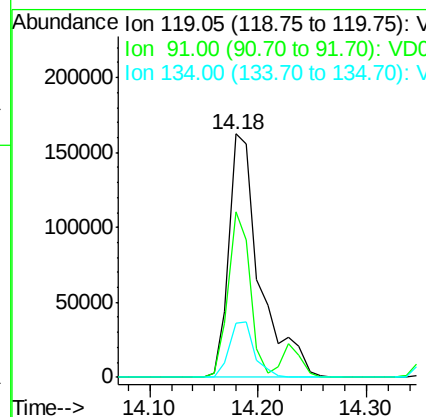
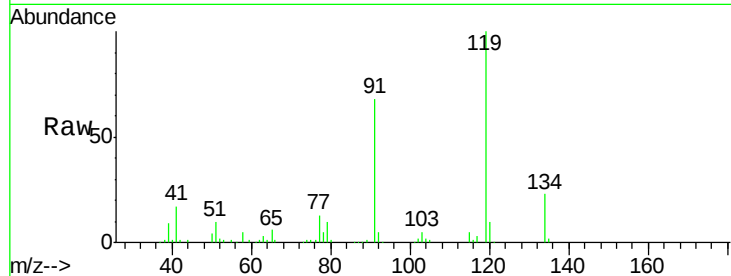
ClientSampleId :

VSTDIC010

Tot Ion:	119	Resp:	325888
Ion Ratio	Lower	Upper	
119	100		
91	67.8	34.2	102.5
134	22.5	12.9	38.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 14.975 ug/l

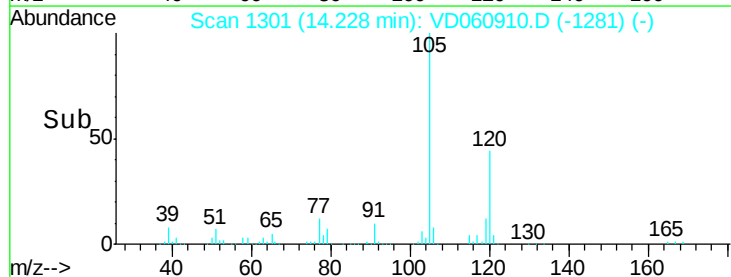
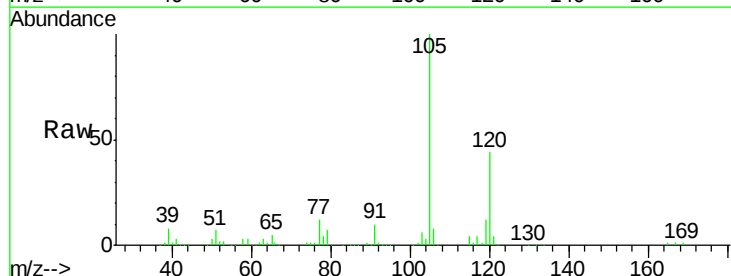
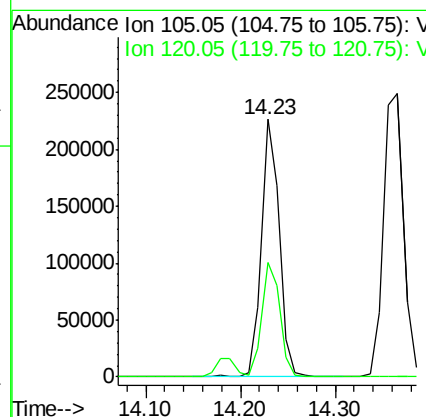
RT: 14.23 min Scan# 1301

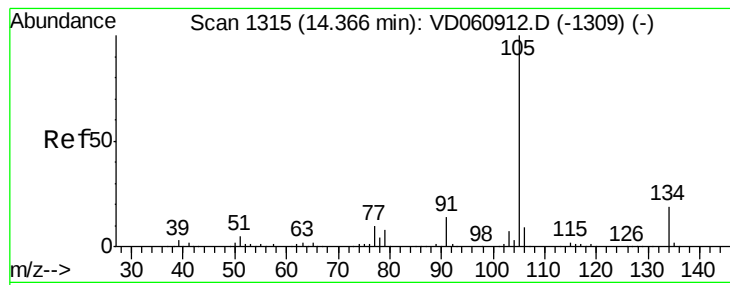
Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion:	105	Resp:	296004
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.8	68.4





#85

sec-Butylbenzene

Concen: 14.491 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 369261

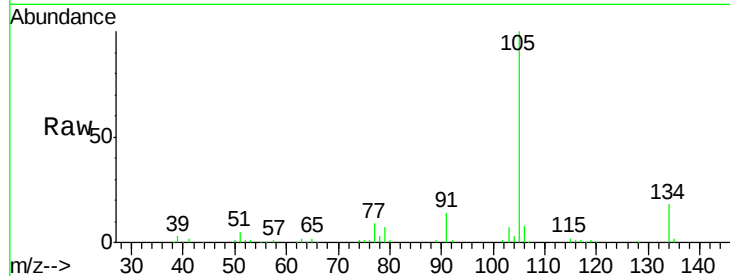
Ion Ratio Lower Upper

105 100

134 18.0 10.1 30.3

Manual Integrations
APPROVED

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3/6/2019 5:33:03 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

250000

200000

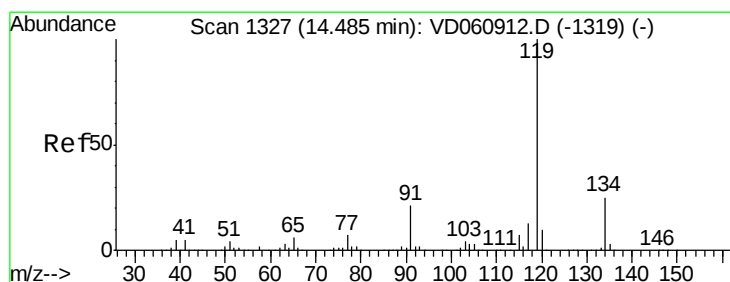
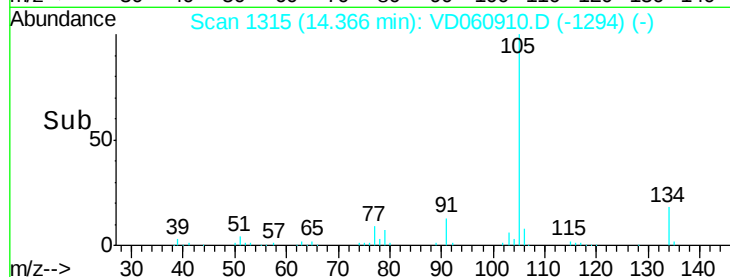
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 14.473 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

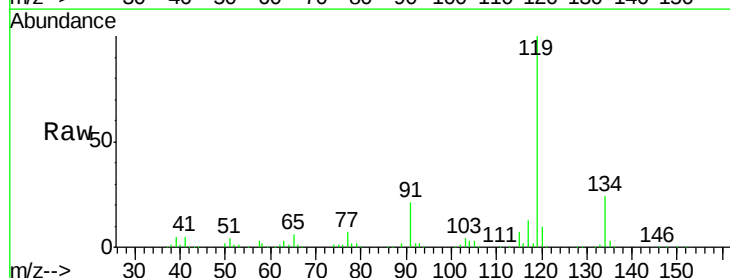
Tgt Ion:119 Resp: 309716

Ion Ratio Lower Upper

119 100

134 24.5 12.9 38.7

91 21.3 12.6 37.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.48

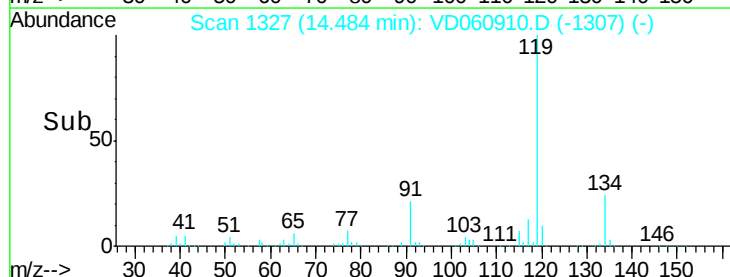
300000

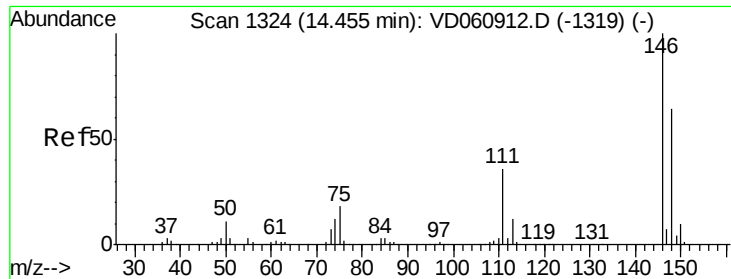
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 11.012 ug/l

RT: 14.45 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

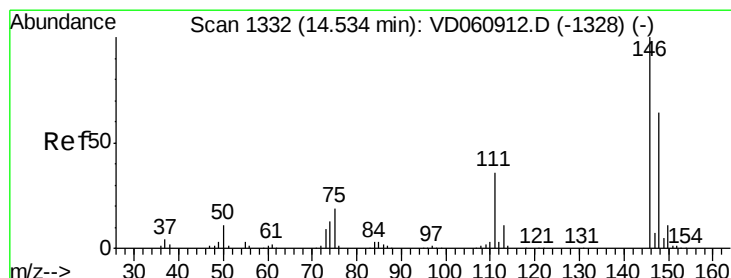
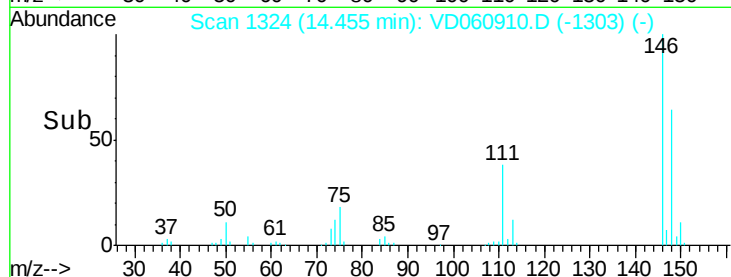
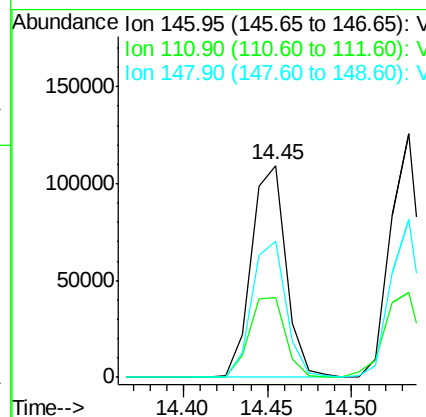
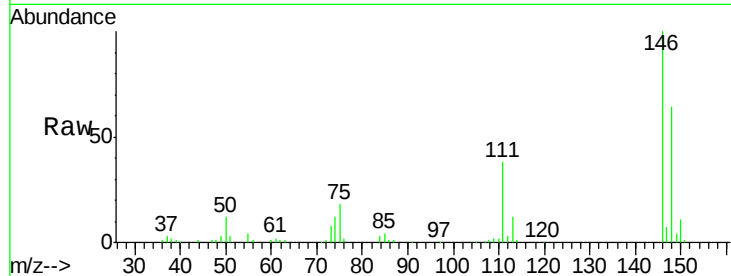
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	155893
Ion Ratio	Lower	Upper	
146	100		
111	37.7	15.9	47.6
148	64.0	32.4	97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 11.625 ug/l

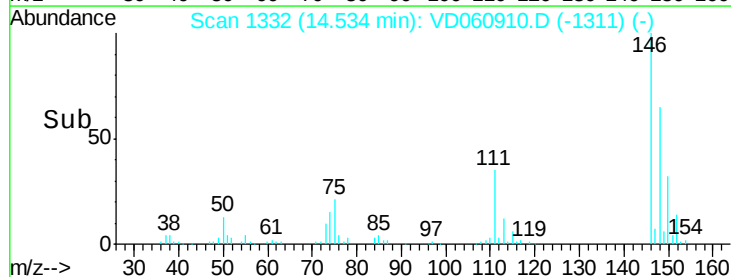
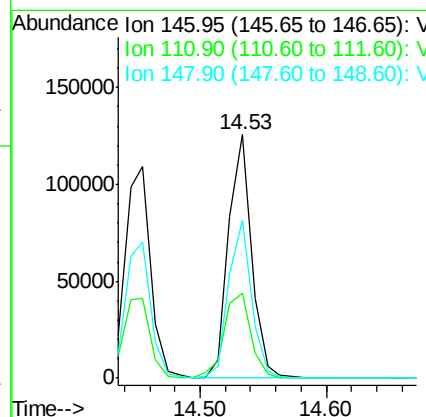
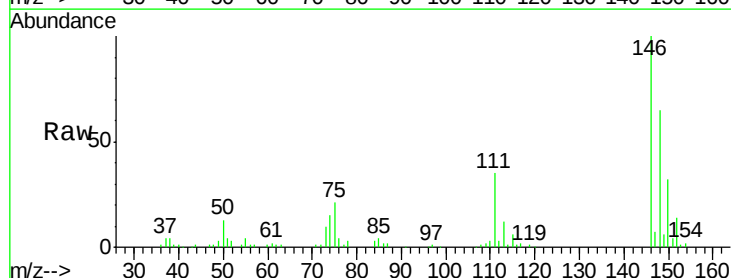
RT: 14.53 min Scan# 1332

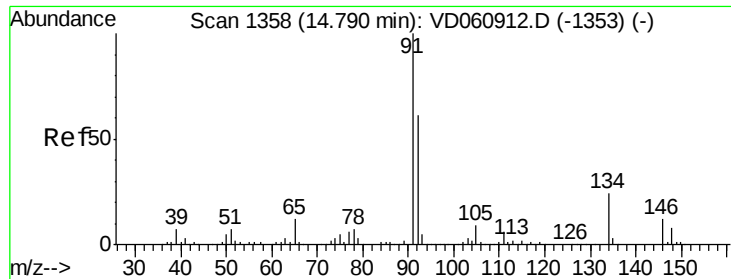
Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion:	146	Resp:	158947
Ion Ratio	Lower	Upper	
146	100		
111	34.7	15.9	47.7
148	64.9	32.6	97.8





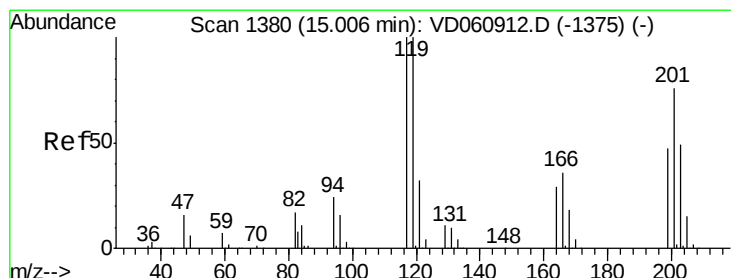
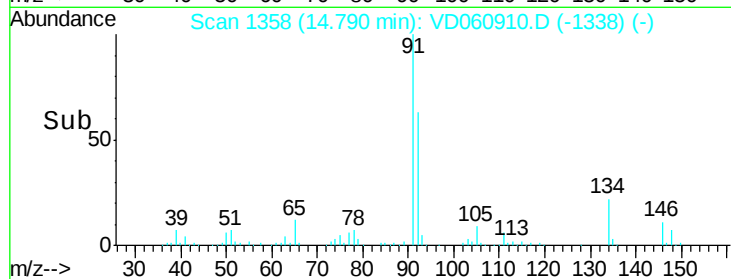
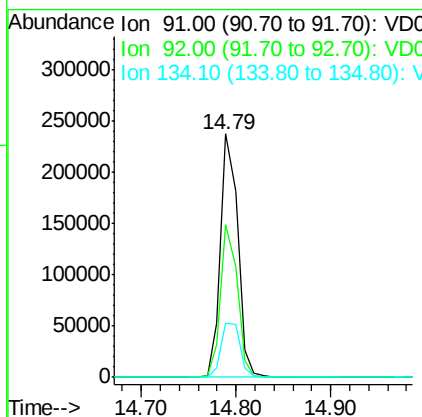
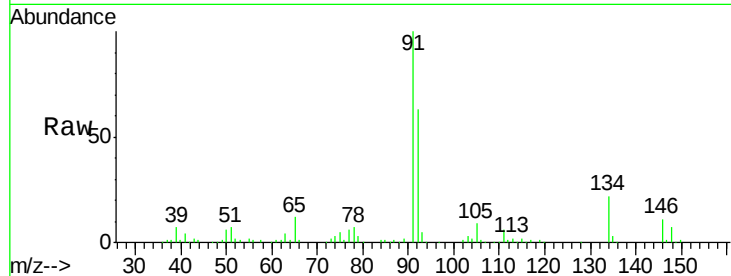
#89
n-Butylbenzene
Concen: 13.546 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.5	30.4	91.2
134	22.1	14.1	42.2

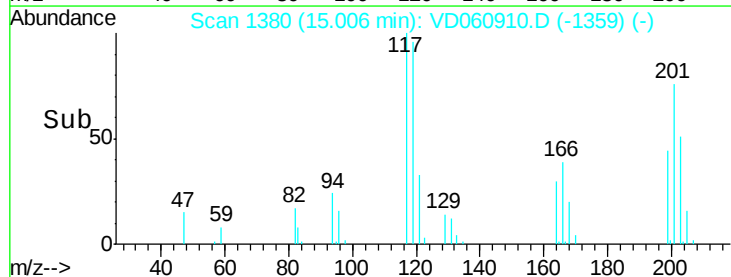
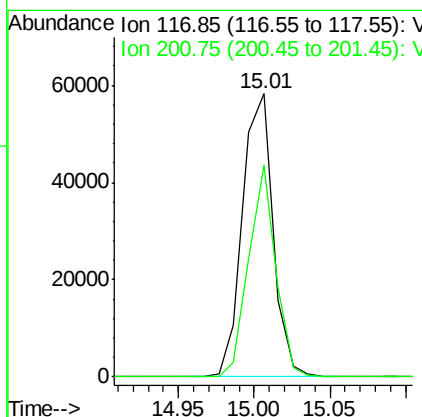
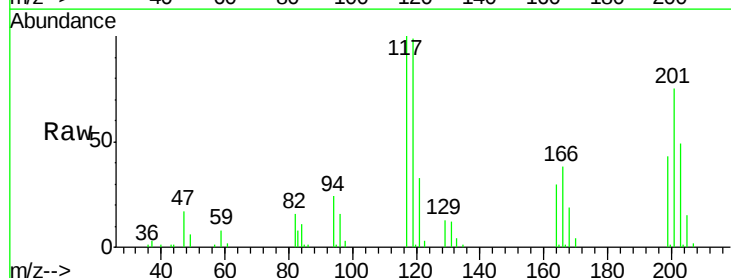
Manual Integrations
APPROVED

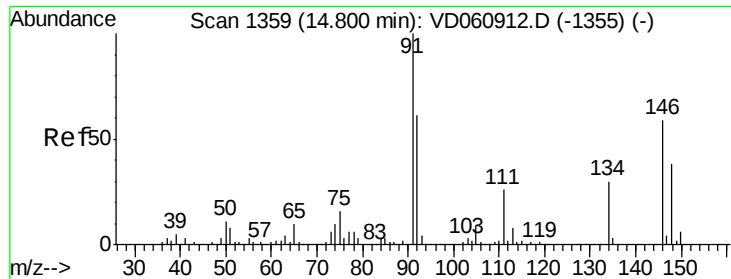
MMDadoda
3/6/2019 5:33:03 AM



#90
Hexachloroethane
Concen: 13.456 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060910.D
Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	41.4	124.4





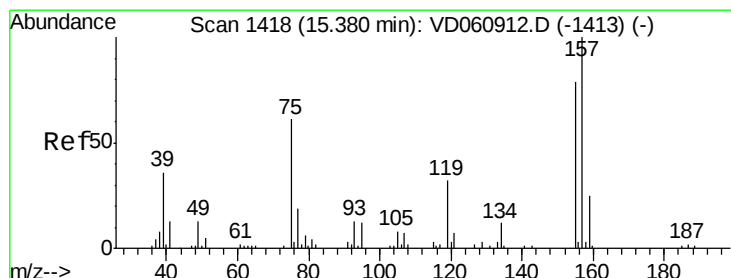
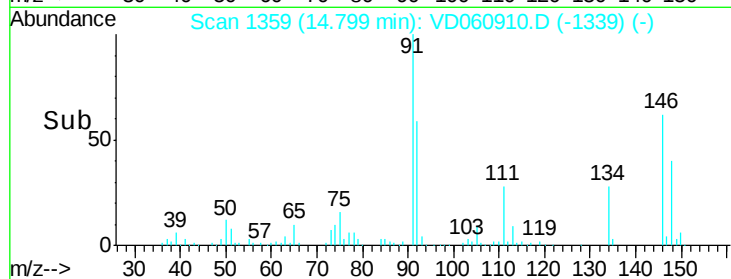
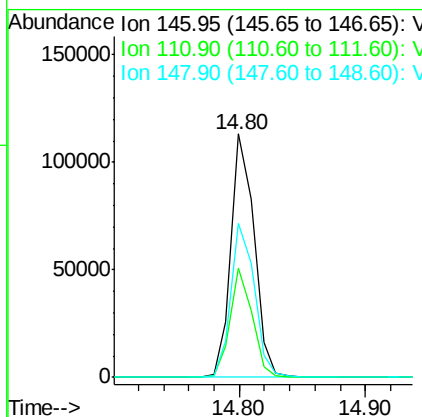
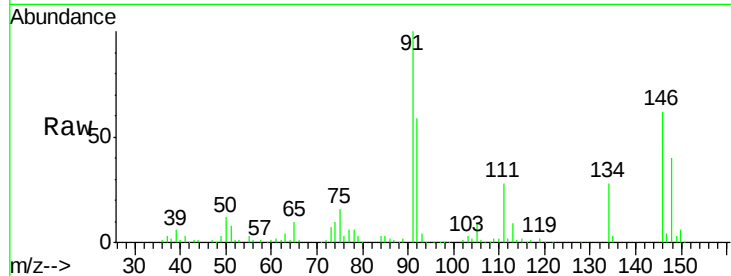
#91
 1,2-Dichlorobenzene
 Concen: 12.204 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	16.7	50.1
148	63.5	32.6	97.8

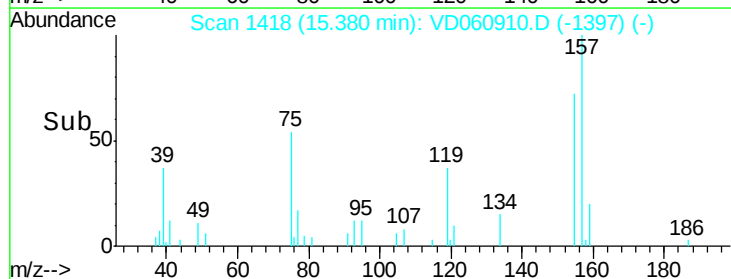
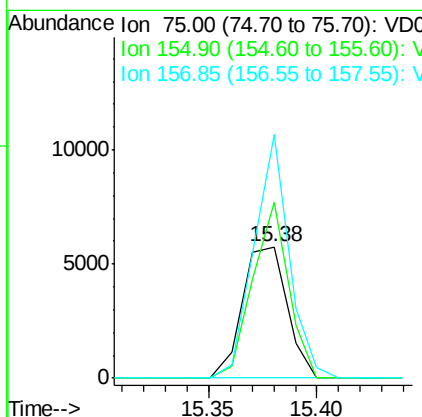
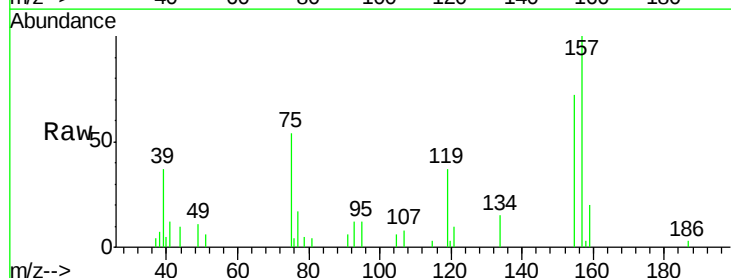
Manual Integrations
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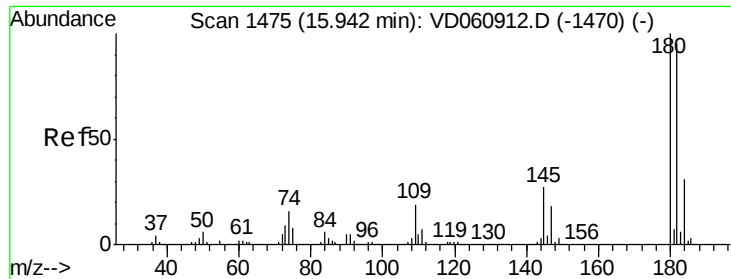
MMDadoda
 3/6/2019 5:33:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.914 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	133.1	58.6	175.8
157	185.0	75.1	225.3





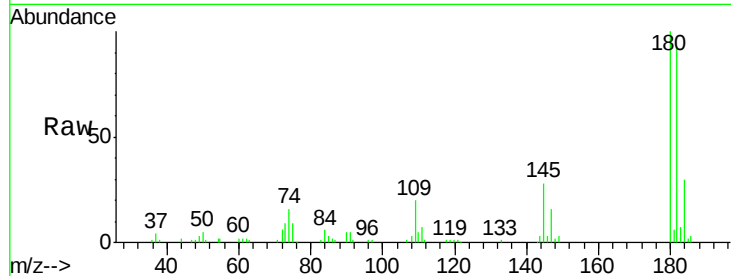
#93
 1,2,4-Trichlorobenzene
 Concen: 9.349 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

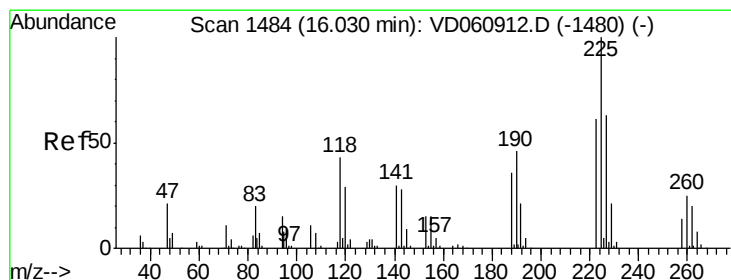
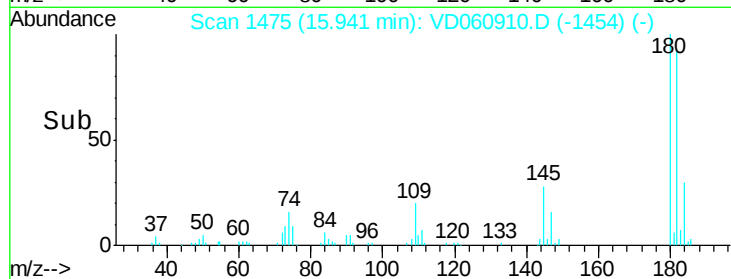
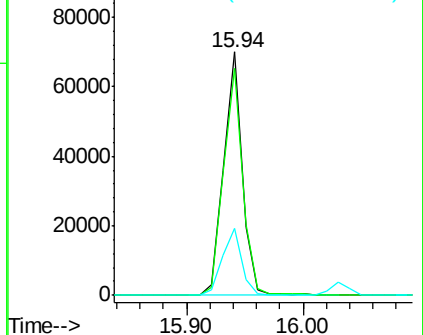
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.5	142.6
145	27.6	14.3	42.9

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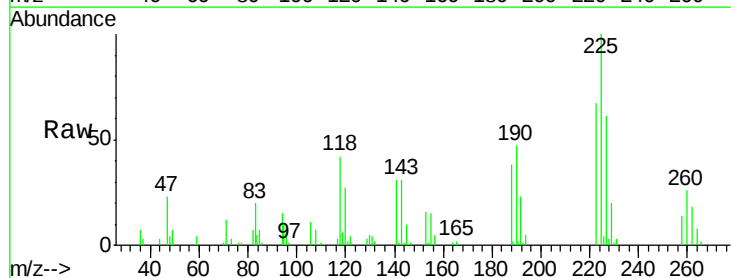


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

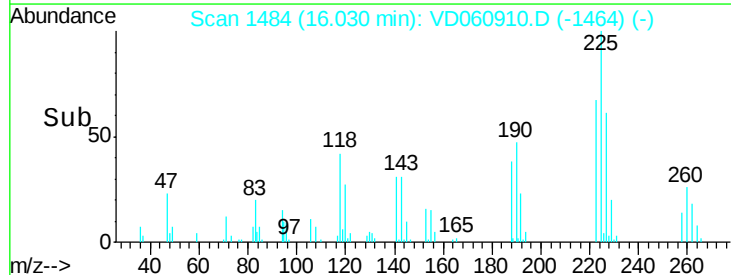
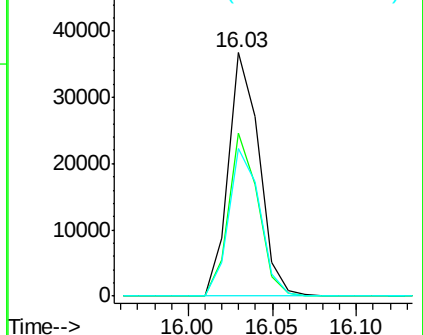


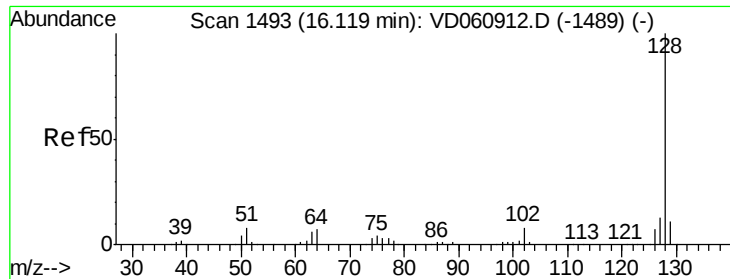
#94
 Hexachlorobutadiene
 Concen: 9.290 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD060910.D
 Acq: 1 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	30.6	91.6
227	60.8	32.0	96.0



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





#95

Naphthalene

Concen: 10.247 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Instrument :

MSVOA_D

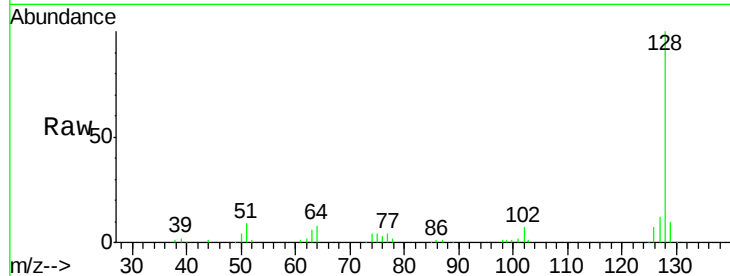
ClientSampleId :

VSTDIC010

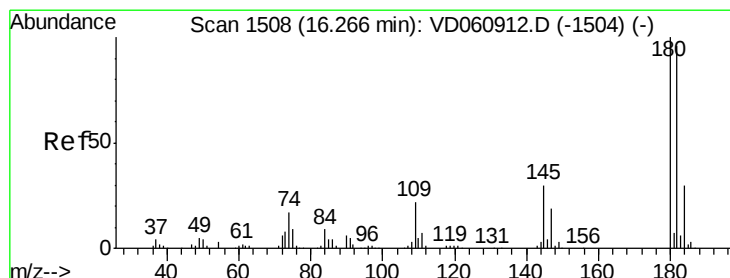
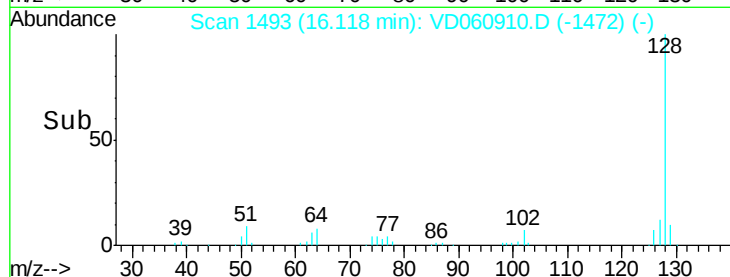
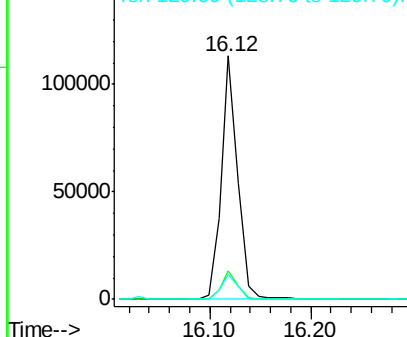
Tot Ion:	128	Resp:	128869
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.7	14.5
129	10.2	9.0	13.4

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



#96

1,2,3-Trichlorobenzene

Concen: 7.572 ug/l

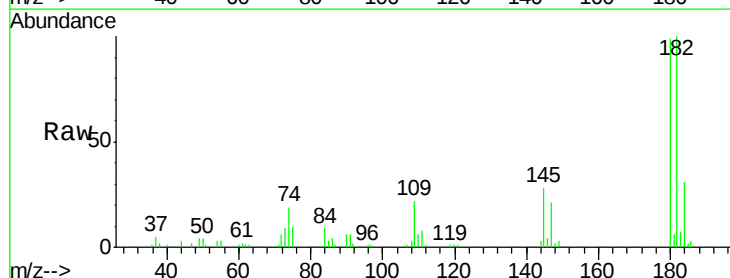
RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD060910.D

Acq: 1 Mar 2019 15:40

Tgt Ion:	180	Resp:	48573
Ion Ratio	Lower	Upper	
180	100		
182	100.7	47.9	143.8
145	27.9	12.9	38.7



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

