

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100518\
 Data File : VD060137.D
 Acq On : 5 Oct 2018 13:09
 Operator : VA/AP
 Sample : VD1005SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBSD01

Manual Integrations
 APPROVED

apatel
 10/8/2018 12:23:00 PM

Quant Time: Oct 06 00:01:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1572073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2142985	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1770480	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	917325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	636424	53.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	6.31	113	869646	53.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	9.45	98	2397657	51.67	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.42	95	915533	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	273867	18.519	ug/l 98
3) Chloromethane	1.74	50	279363	20.950	ug/l 99
4) Vinyl Chloride	1.84	62	228974	20.982	ug/l 99
5) Bromomethane	2.12	94	22705	16.570	ug/l 99
6) Chloroethane	2.22	64	51699	17.361	ug/l 100
7) Trichlorofluoromethane	2.48	101	254636	19.487	ug/l 98
8) Diethyl Ether	2.80	74	57132	21.263	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.06	101	175371	21.544	ug/l 99
10) Methyl Iodide	3.22	142	164040	19.002	ug/l 97
11) Tert butyl alcohol	3.96	59	83053	97.179	ug/l 95
12) 1,1-Dichloroethene	3.05	96	139836	21.805	ug/l 98
13) Acrolein	2.96	56	54316	103.098	ug/l 97
14) Allyl chloride	3.51	41	274517	20.611	ug/l 98
15) Acrylonitrile	4.06	53	388162	109.729	ug/l 98
16) Acetone	3.14	43	248126	114.751	ug/l 99
17) Carbon Disulfide	3.29	76	454811	21.090	ug/l 98
18) Methyl Acetate	3.53	43	91109	19.604	ug/l 99
19) Methyl tert-butyl Ether	4.10	73	613643	21.764	ug/l 98
20) Methylene Chloride	3.70	84	402666	21.179	ug/l 99
21) trans-1,2-Dichloroethene	4.07	96	346834	20.941	ug/l 97
22) Diisopropyl ether	4.83	45	1301803	21.886	ug/l 93
23) Vinyl Acetate	4.78	43	3795404	113.516	ug/l 100
24) 1,1-Dichloroethane	4.73	63	571385	21.186	ug/l 98
25) 2-Butanone	5.60	43	646693	119.714	ug/l 97
26) 2,2-Dichloropropane	5.57	77	445988	21.814	ug/l 99
27) cis-1,2-Dichloroethene	5.57	96	363725	20.728	ug/l 92
28) Bromochloromethane	5.90	49	277679	21.188	ug/l 95
29) Tetrahydrofuran	5.93	42	341036	108.689	ug/l 99
30) Chloroform	6.08	83	574622	21.063	ug/l 100
31) Cyclohexane	6.35	56	528459	20.469	ug/l 99
32) 1,1,1-Trichloroethane	6.27	97	480277	21.488	ug/l 98
36) 1,1-Dichloropropene	6.50	75	445450	21.753	ug/l 97
37) Ethyl Acetate	5.68	43	304887	22.430	ug/l 97
38) Carbon Tetrachloride	6.48	117	399222	21.479	ug/l 98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	493026	21.190	ug/l	97
40) Benzene	6.78	78	1130537	21.102	ug/l	99
41) Methacrylonitrile	5.90	41	155263m	20.209	ug/l	
42) 1,2-Dichloroethane	6.88	62	333337	21.702	ug/l	100
43) Isopropyl Acetate	8.33	43	384381	21.495	ug/l #	99
44) Trichloroethene	7.72	130	349243	21.059	ug/l	98
45) 1,2-Dichloropropane	8.09	63	302567	21.569	ug/l	100
46) Dibromomethane	8.20	93	198244	21.828	ug/l	93
47) Bromodichloromethane	8.47	83	422947	21.856	ug/l	99
48) Methyl methacrylate	8.24	41	222964	21.889	ug/l	98
49) 1,4-Dioxane	8.22	88	45299	451.979	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1251564	110.964	ug/l	98
52) Toluene	9.53	92	747918	21.677	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	388478	22.187	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	471460	21.805	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	250804	22.235	ug/l	98
56) Ethyl methacrylate	10.02	69	267331	21.470	ug/l	94
57) 1,3-Dichloropropane	10.37	76	373087	21.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	777825	112.496	ug/l	99
59) 2-Hexanone	10.48	43	977506	120.523	ug/l	99
60) Dibromochloromethane	10.63	129	303087	21.900	ug/l	99
61) 1,2-Dibromoethane	10.75	107	257742	21.506	ug/l	96
64) Tetrachloroethene	10.24	164	322830	20.819	ug/l	96
65) Chlorobenzene	11.31	112	799919	20.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	273925	21.438	ug/l	97
67) Ethyl Benzene	11.41	91	1318408	21.245	ug/l	95
68) m/p-Xylenes	11.56	106	997600	43.025	ug/l	96
69) o-Xylene	11.93	106	485121	21.152	ug/l	93
70) Styrene	11.95	104	788926	20.570	ug/l	99
71) Bromoform	12.11	173	214843	20.764	ug/l #	97
73) Isopropylbenzene	12.27	105	1275686	21.080	ug/l	100
74) N-amyl acetate	12.12	43	490348	22.121	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	284561	21.538	ug/l	96
76) 1,2,3-Trichloropropane	12.60	75	290654	22.002	ug/l	99
77) Bromobenzene	12.54	156	371189	21.107	ug/l	87
78) n-propylbenzene	12.63	91	1704920	22.688	ug/l	97
79) 2-Chlorotoluene	12.70	91	928685	22.267	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1051759	22.455	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	80898	21.794	ug/l	98
82) 4-Chlorotoluene	12.80	91	1082103	22.939	ug/l	95
83) tert-Butylbenzene	13.04	119	1182911	22.008	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1079775	21.874	ug/l	99
85) sec-Butylbenzene	13.22	105	1408118	22.157	ug/l	100
86) p-Isopropyltoluene	13.33	119	1133346	21.743	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	665387	21.717	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	646368	21.003	ug/l	99
89) n-Butylbenzene	13.64	91	1144636	22.505	ug/l	99
90) Hexachloroethane	13.86	117	249675	20.697	ug/l	71
91) 1,2-Dichlorobenzene	13.66	146	596538	23.155	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	36396	20.632	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	461965	21.126	ug/l	99
94) Hexachlorobutadiene	14.88	225	305692	21.031	ug/l	99
95) Naphthalene	14.96	128	670634	20.690	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	384484	20.212	ug/l	99

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

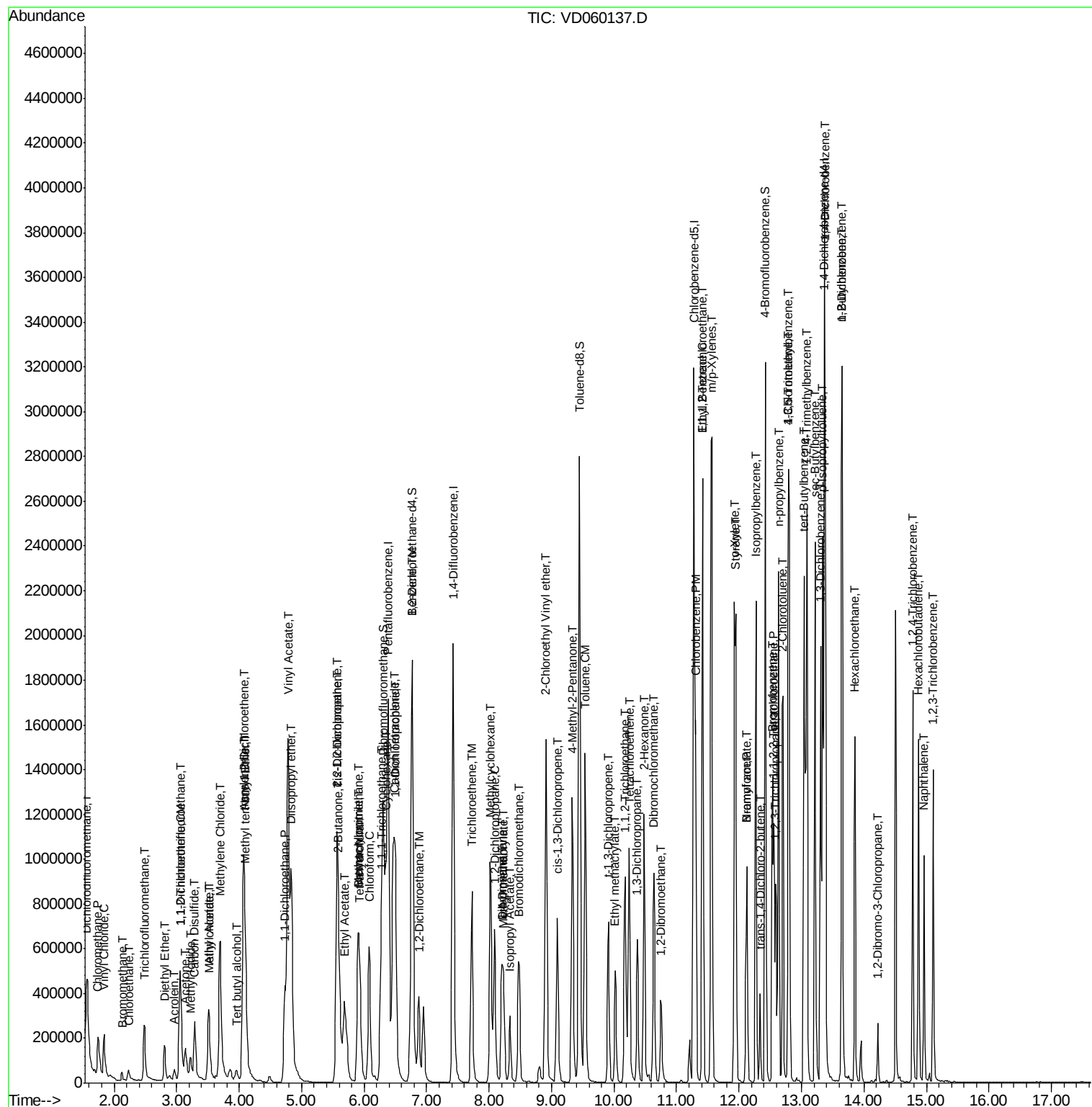
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100518\
Data File : VD060137.D
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Operator : VA/AP
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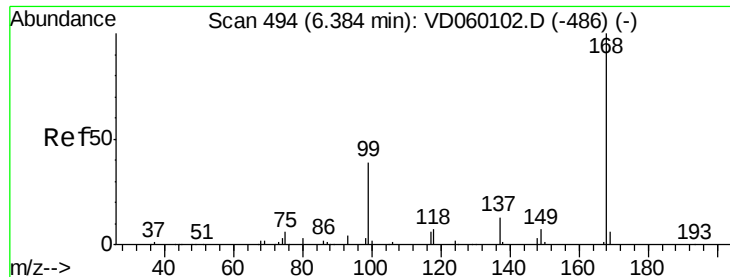
Instrument :
MSVOA_D
ClientSampleID :
VD1005SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion:168 Resp: 1572073

Ion Ratio Lower Upper

168 100

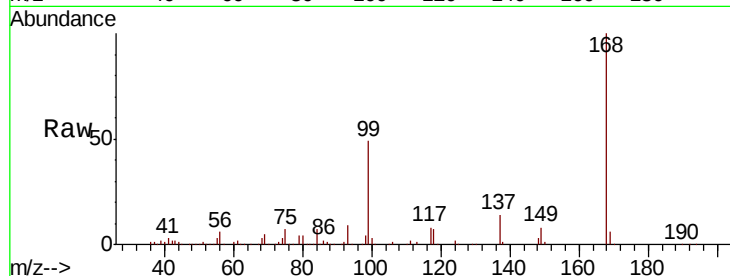
99 48.8 35.4 53.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.39

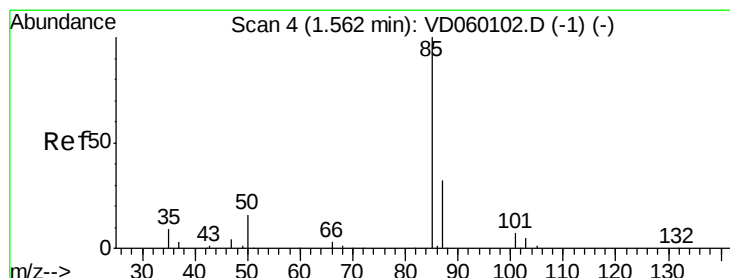
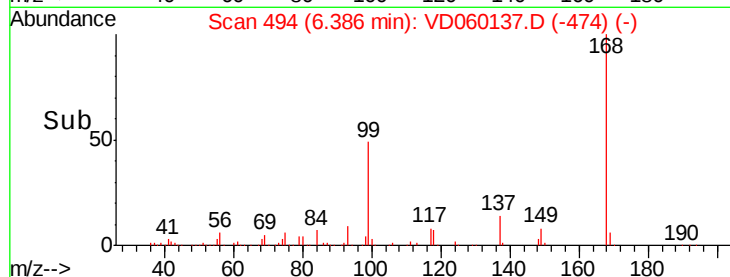
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400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.519 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060137.D

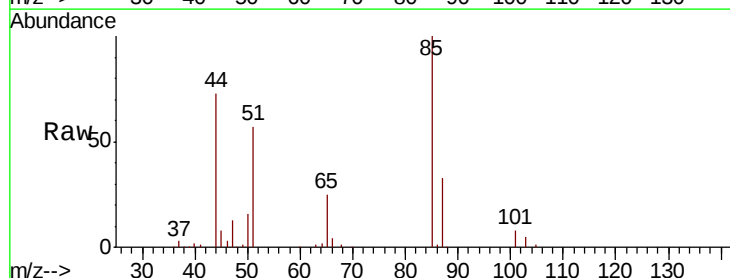
Acq: 5 Oct 2018 13:09

Tgt Ion: 85 Resp: 273867

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

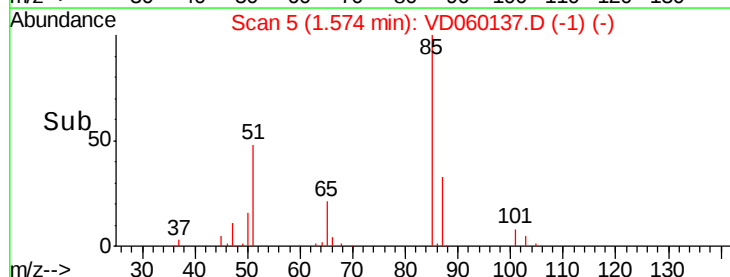
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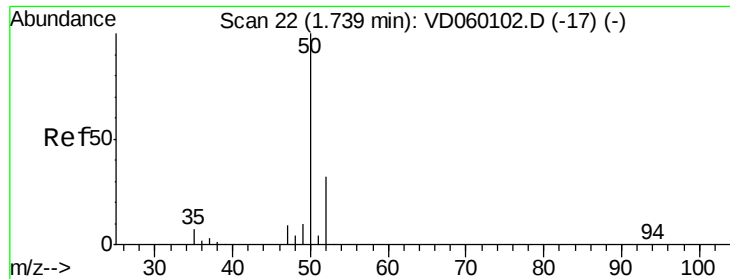
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50000

0

Time-->





#3

Chloromethane

Concen: 20.950 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 50 Resp: 279363

Ion Ratio Lower Upper

50 100

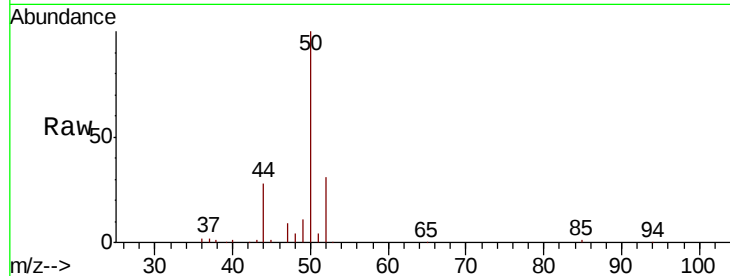
52 30.9 25.3 37.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

120000

100000

80000

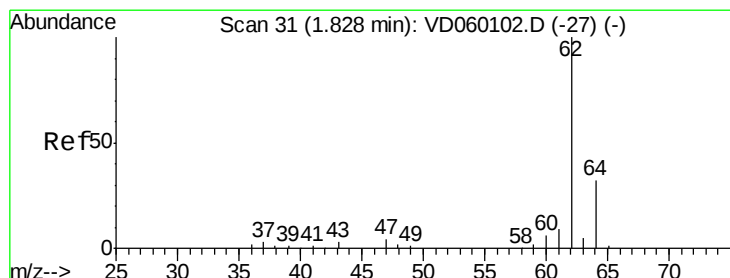
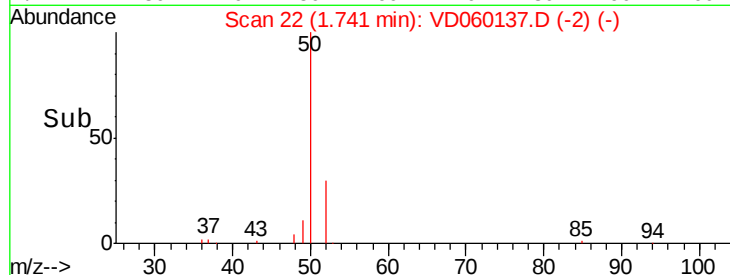
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 20.982 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060137.D

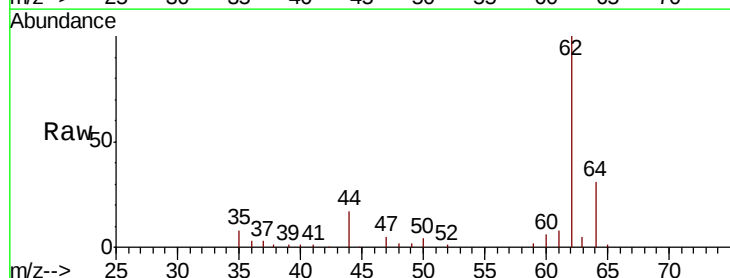
Acq: 5 Oct 2018 13:09

Tgt Ion: 62 Resp: 228974

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

120000

100000

80000

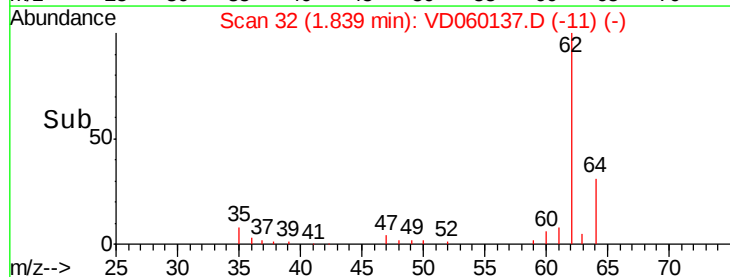
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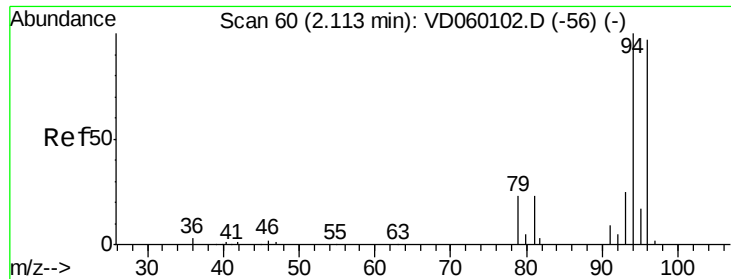
40000

20000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 16.570 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 94 Resp: 22705

Ion Ratio Lower Upper

94 100

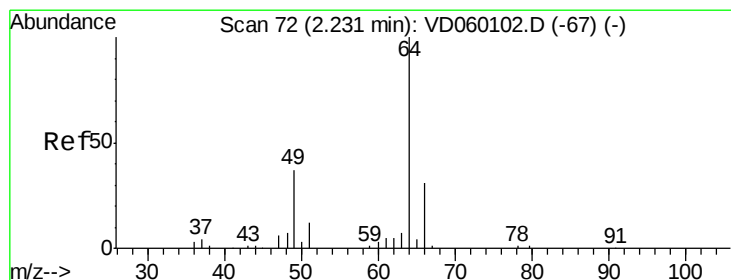
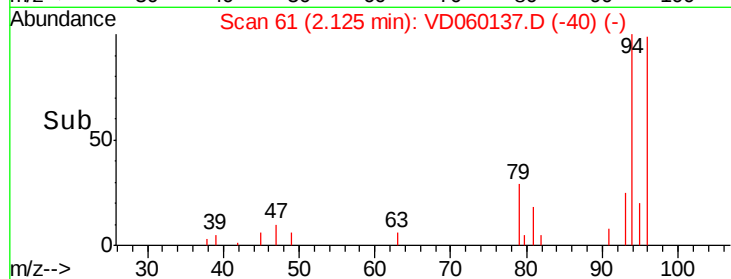
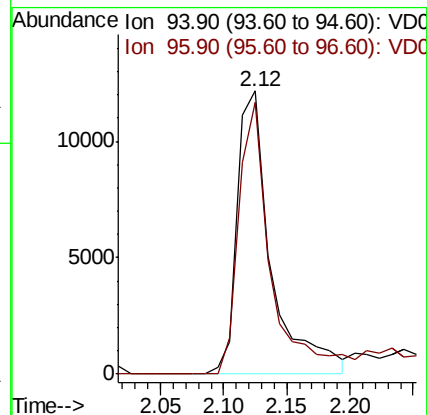
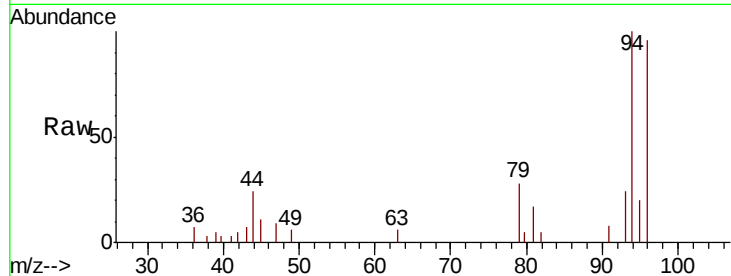
96 96.0 77.4 116.2

Manual Integrations

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#6

Chloroethane

Concen: 17.361 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060137.D

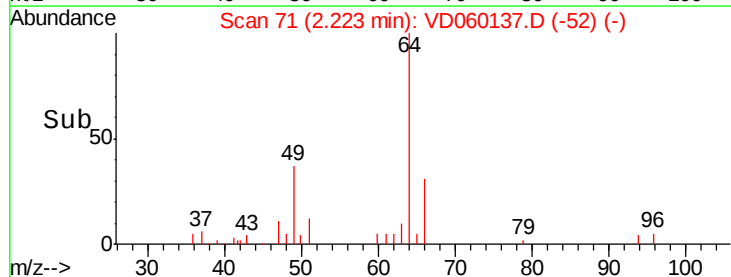
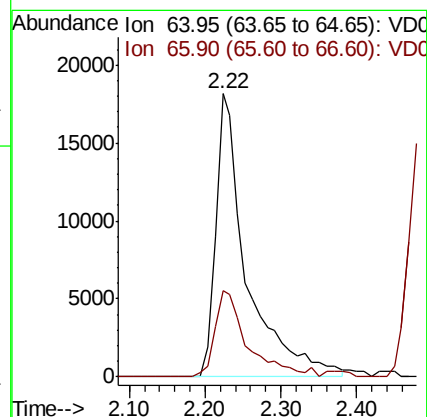
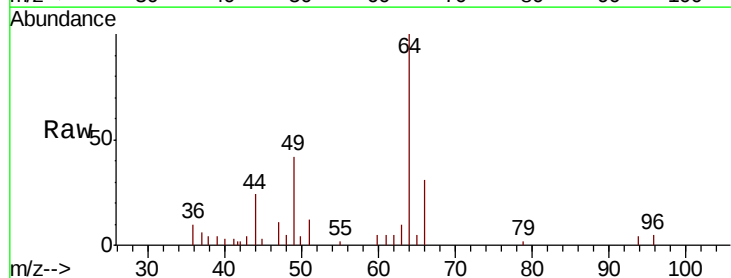
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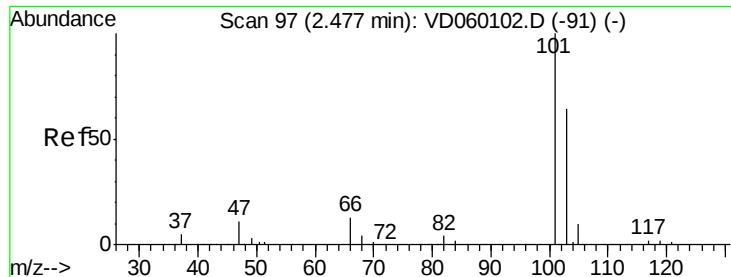
Tgt Ion: 64 Resp: 51699

Ion Ratio Lower Upper

64 100

66 30.6 24.6 37.0





#7

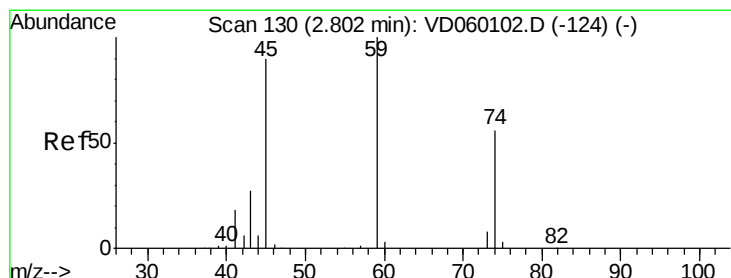
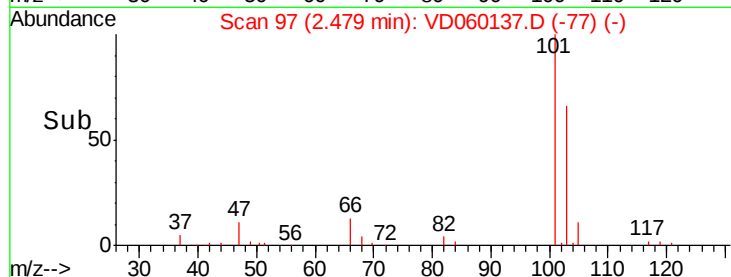
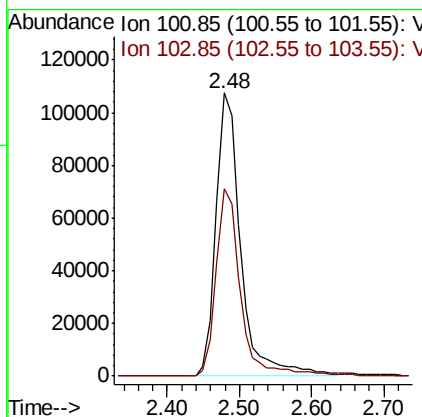
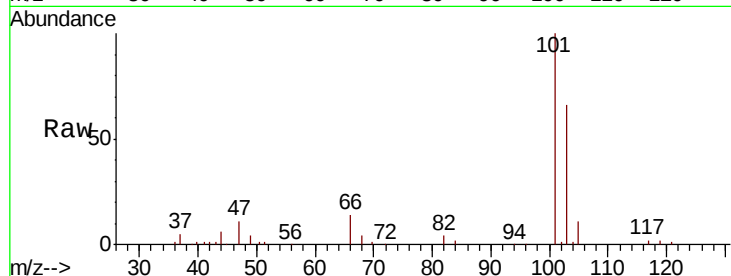
Trichlorofluoromethane
 Concen: 19.487 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.5	77.3

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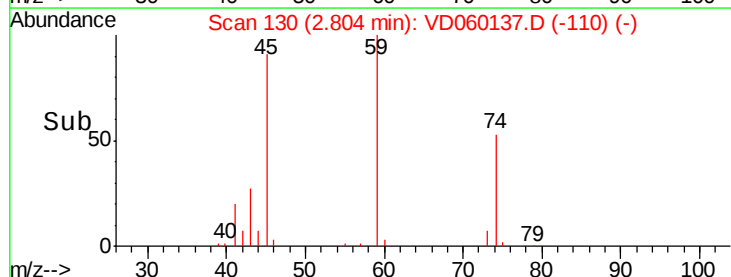
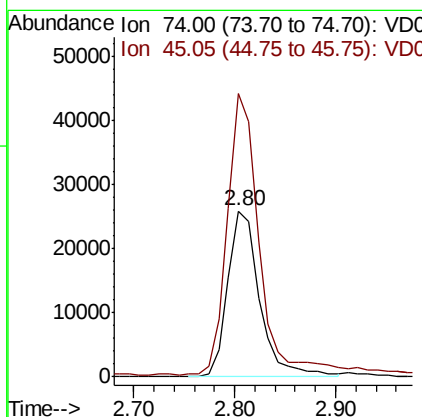
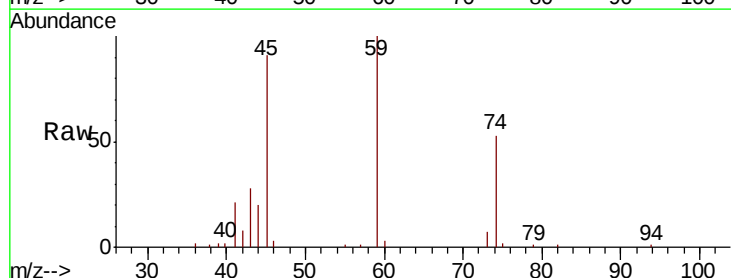
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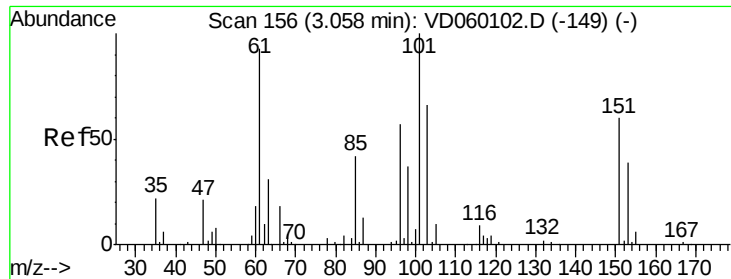


#8

Diethyl Ether
 Concen: 21.263 ug/l
 RT: 2.80 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	170.6	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.544 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

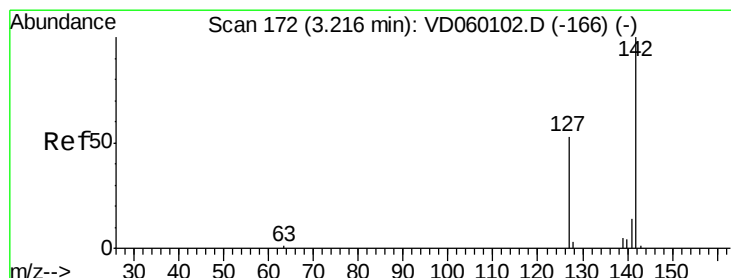
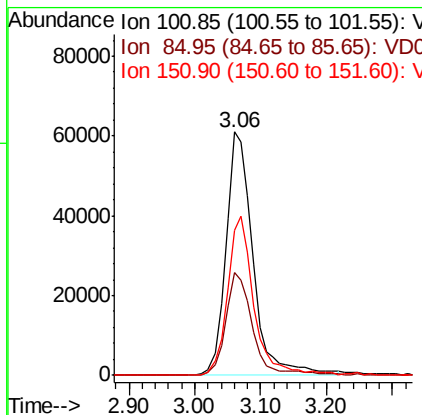
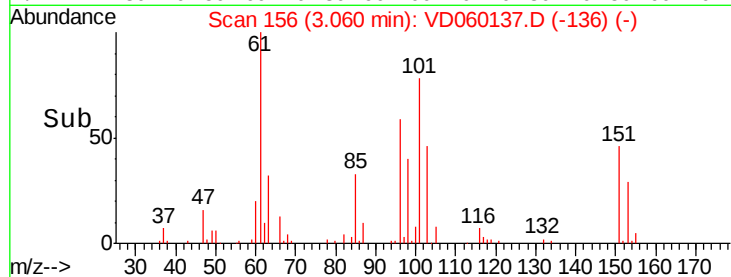
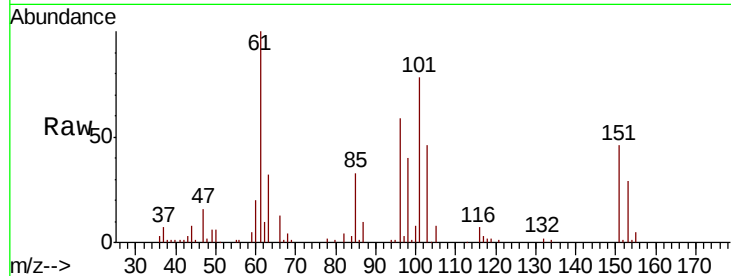
ClientSampleId :

VD1005SBS01

Tot Ion:	101	Resp:	175371
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.0
151	59.6	48.0	72.0

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#10

Methyl Iodide

Concen: 19.002 ug/l

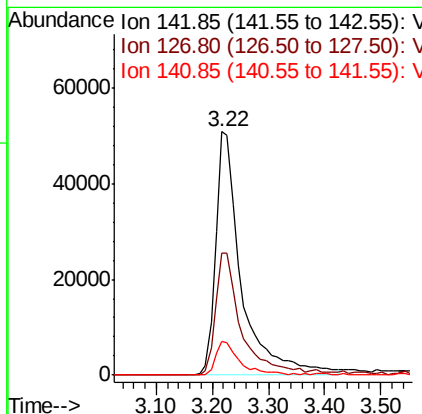
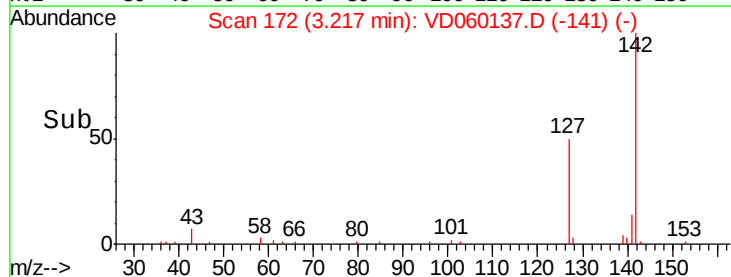
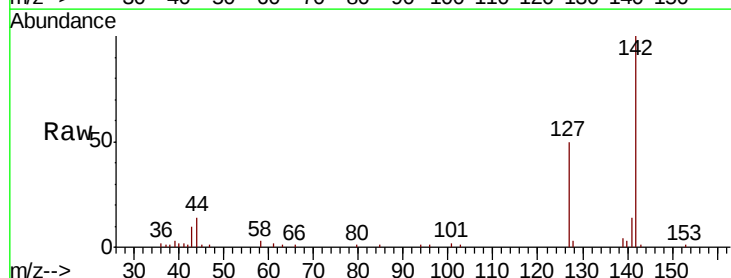
RT: 3.22 min Scan# 172

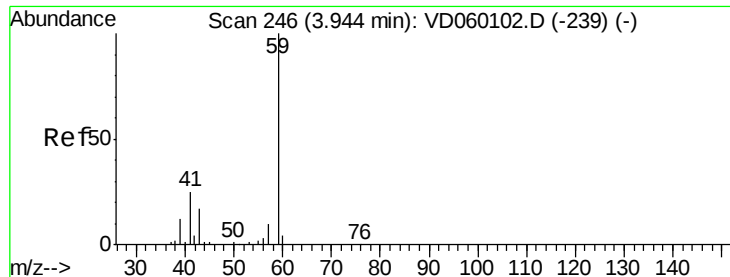
Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Tgt Ion:	142	Resp:	164040
Ion Ratio	Lower	Upper	
142	100		
127	50.3	42.0	63.0
141	13.8	11.4	17.0





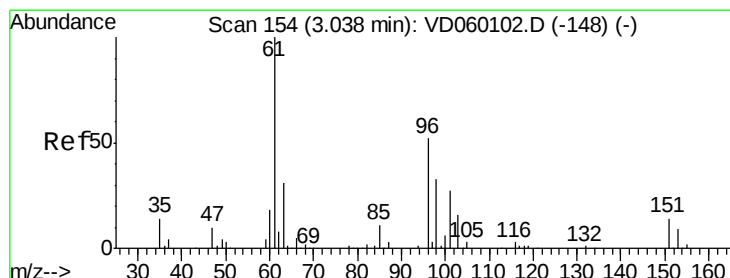
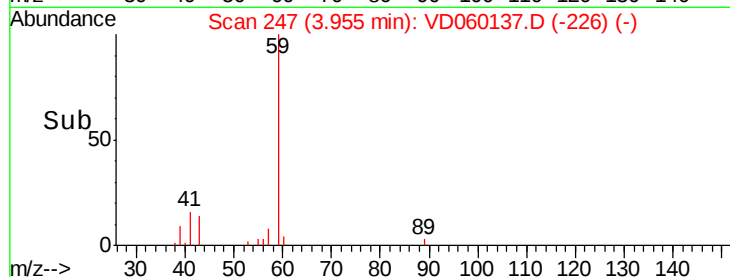
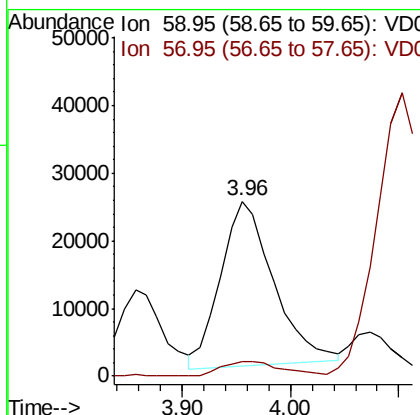
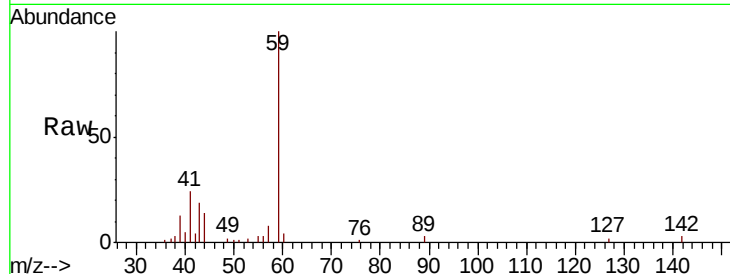
#11
Tert butyl alcohol
Concen: 97.179 ug/l
RT: 3.96 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBSD01

Tot Ion: 59 Resp: 83053
Ion Ratio Lower Upper
59 100
57 8.0 7.8 11.6

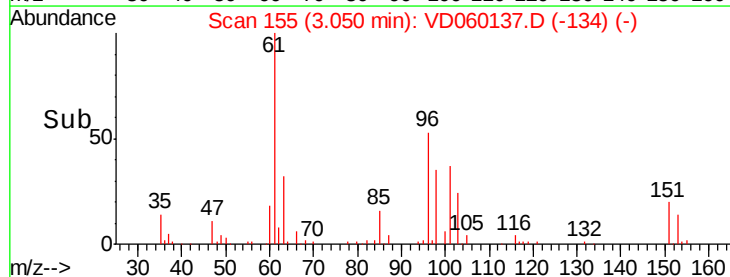
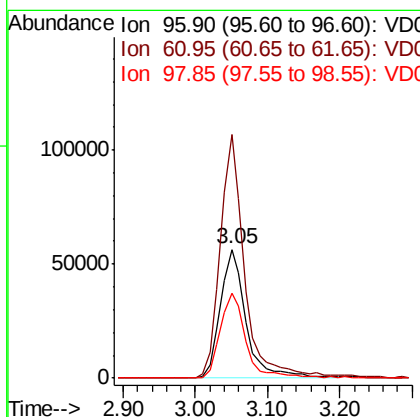
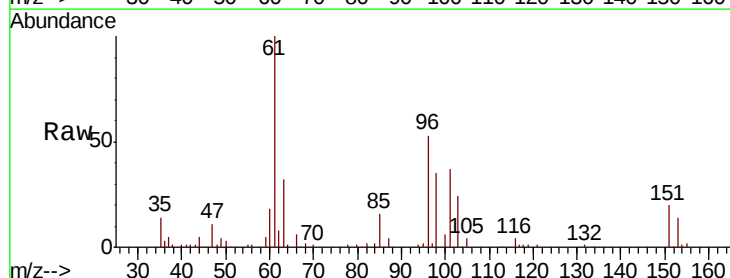
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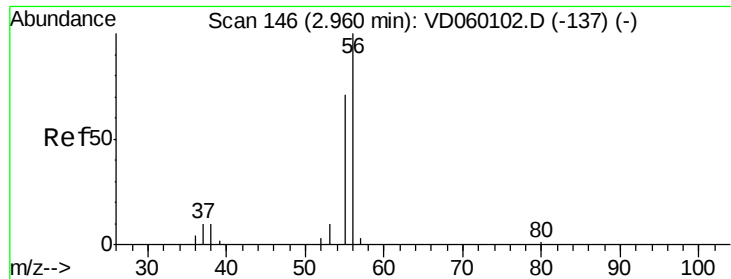
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#12
1,1-Dichloroethene
Concen: 21.805 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion: 96 Resp: 139836
Ion Ratio Lower Upper
96 100
61 188.7 153.0 229.4
98 66.2 51.1 76.7





#13

Acrolein

Concen: 103.098 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBSD01

Tot Ion: 56 Resp: 54316

Ion Ratio Lower Upper

56 100

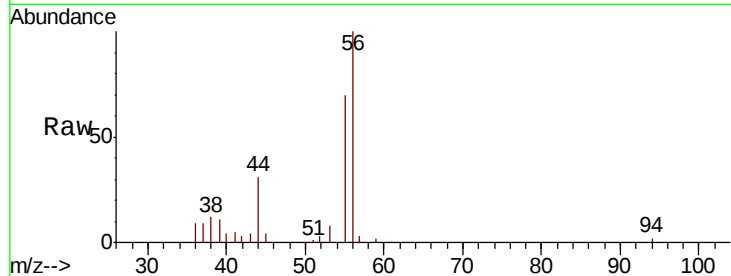
55 69.5 57.4 86.2

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

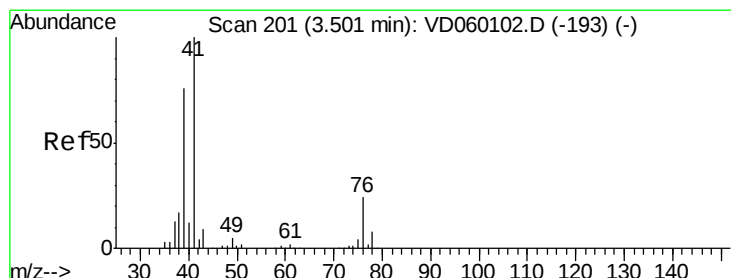
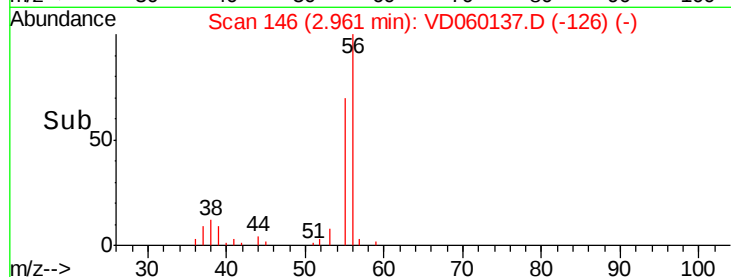
5000

0

Time-->

2.90 3.00 3.10

2.96



#14

Allyl chloride

Concen: 20.611 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

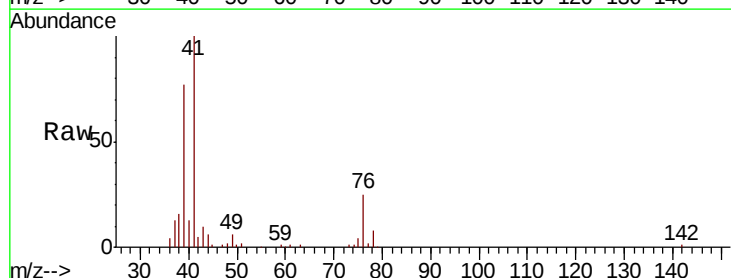
Tgt Ion: 41 Resp: 274517

Ion Ratio Lower Upper

41 100

39 76.5 60.6 90.8

76 24.7 21.3 31.9



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

150000

100000

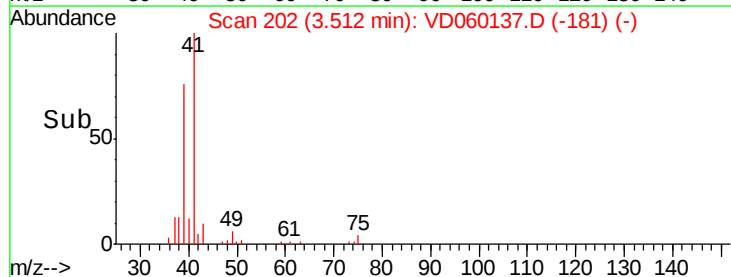
50000

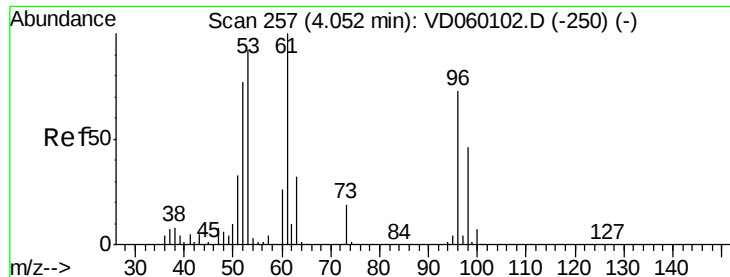
0

Time-->

3.40 3.50 3.60

3.51





#15

Acrylonitrile

Concen: 109.729 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

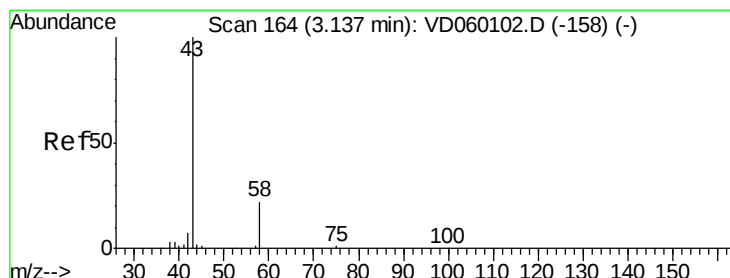
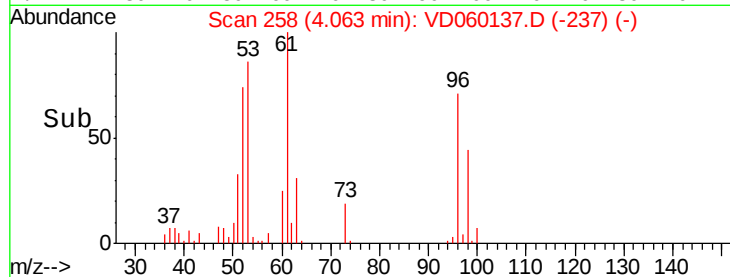
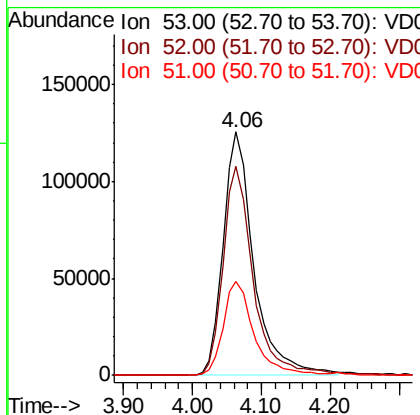
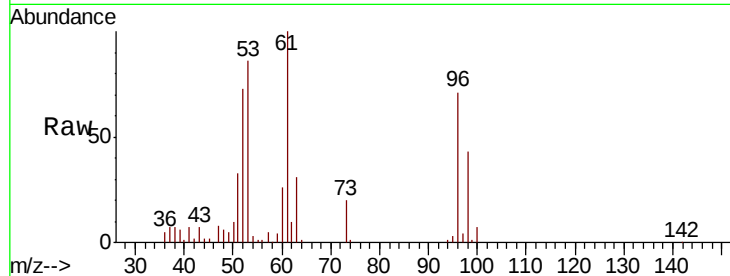
ClientSampleId :

VD1005SBS01

Tot Ion:	53	Resp:	388162
Ion Ratio	Lower	Upper	
53	100		
52	85.6	67.5	101.3
51	38.6	29.3	43.9

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#16

Acetone

Concen: 114.751 ug/l

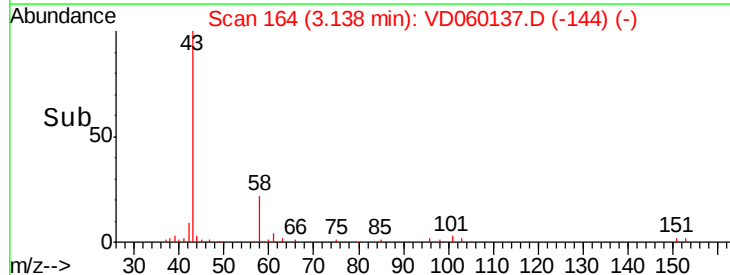
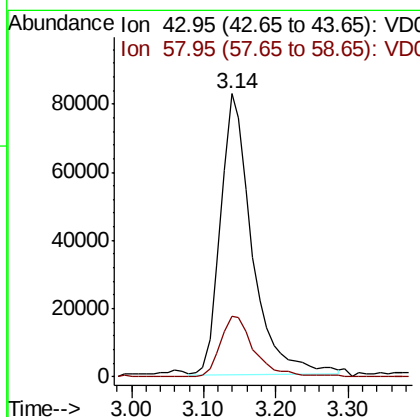
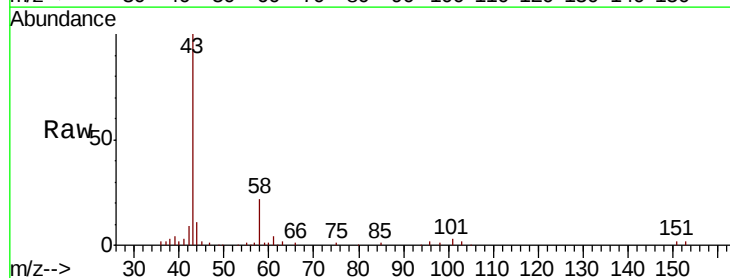
RT: 3.14 min Scan# 164

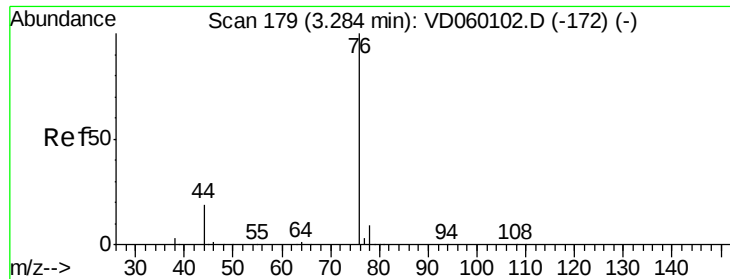
Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Tgt Ion:	43	Resp:	248126
Ion Ratio	Lower	Upper	
43	100		
58	21.5	17.7	26.5





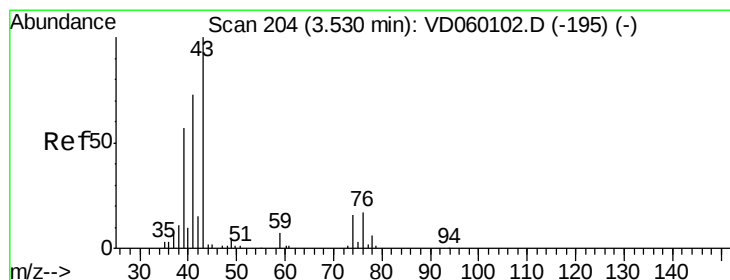
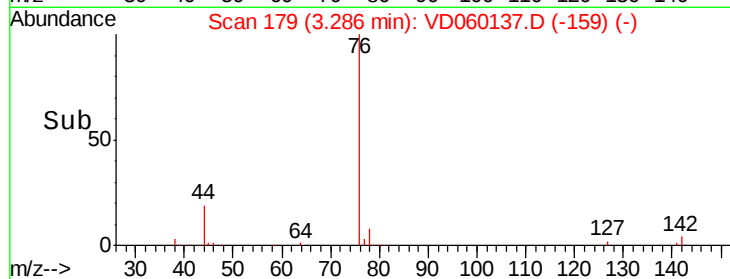
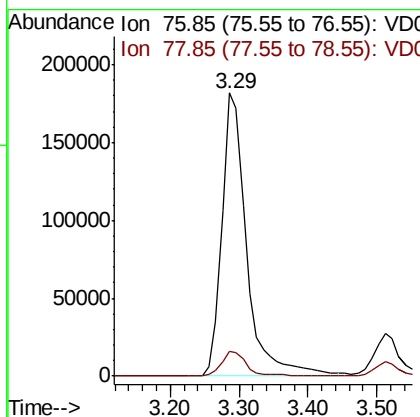
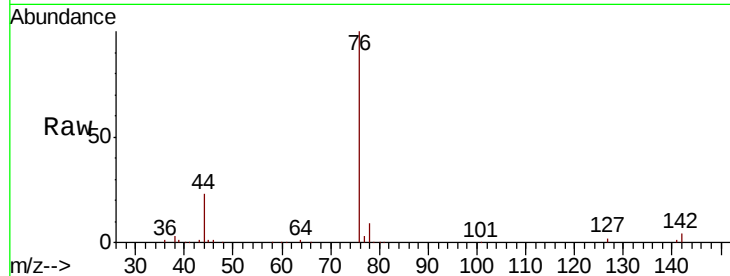
#17
Carbon Disulfide
Concen: 21.090 ug/l
RT: 3.29 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

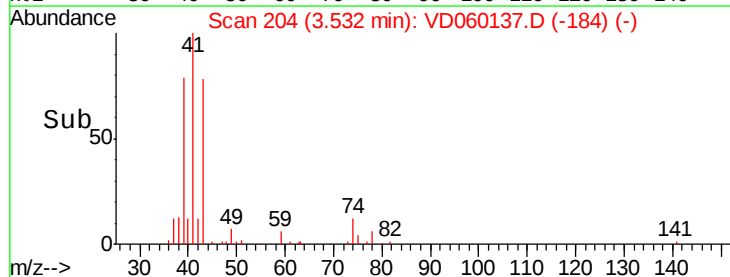
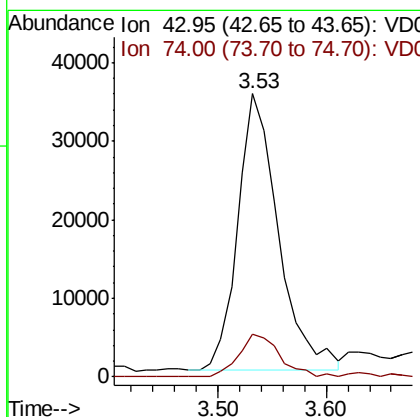
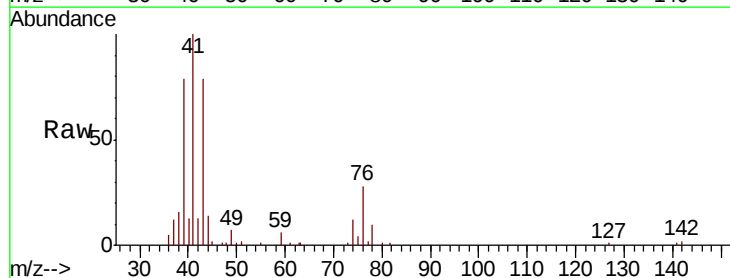
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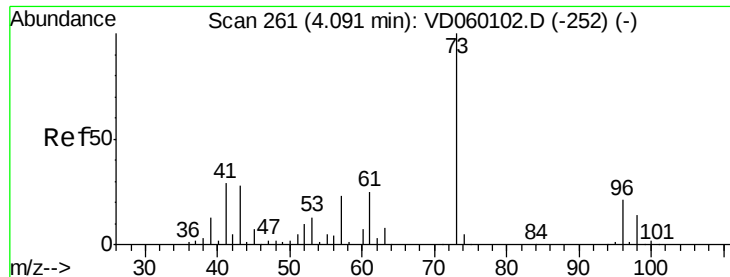
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#18
Methyl Acetate
Concen: 19.604 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.3	12.6	19.0





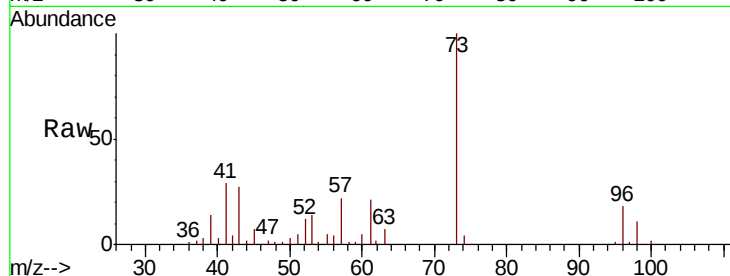
#19
Methyl tert-butyl Ether
Concen: 21.764 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

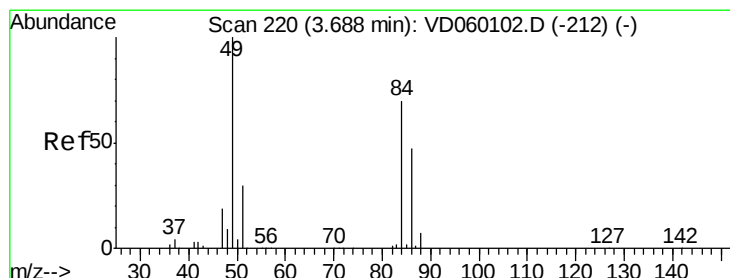
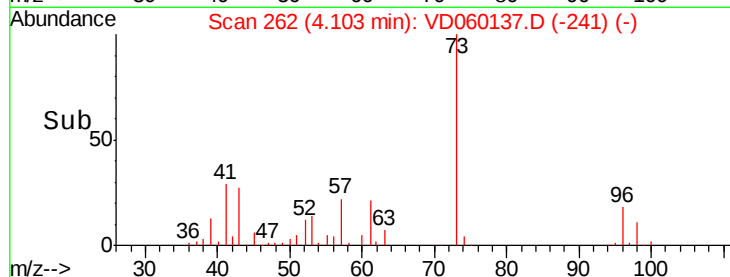
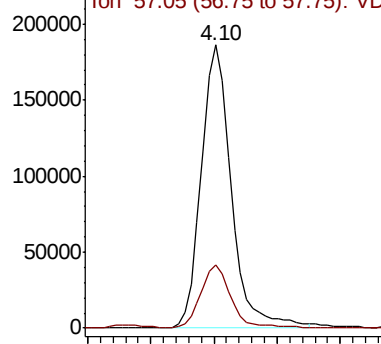
Tot Ion: 73 Resp: 613643
Ion Ratio Lower Upper
73 100
57 22.5 18.7 28.1

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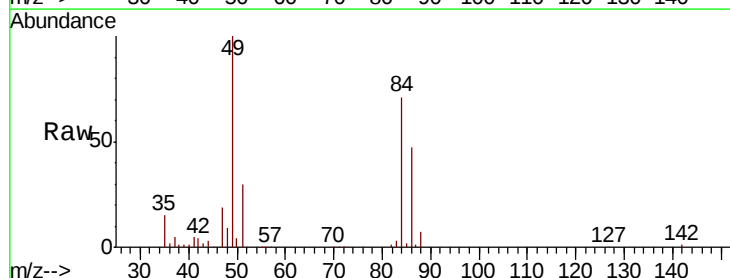


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

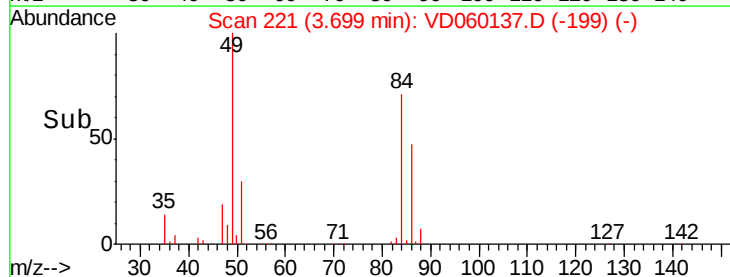
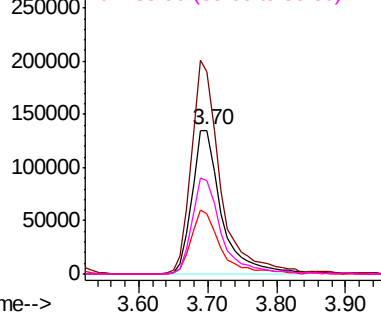


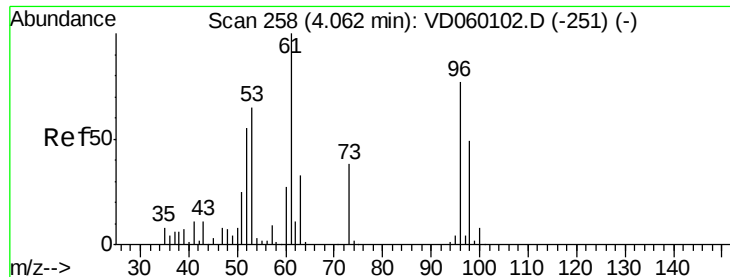
#20
Methylene Chloride
Concen: 21.179 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion: 84 Resp: 402666
Ion Ratio Lower Upper
84 100
49 140.8 114.6 172.0
51 42.3 33.8 50.8
86 65.6 53.3 79.9



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 20.941 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

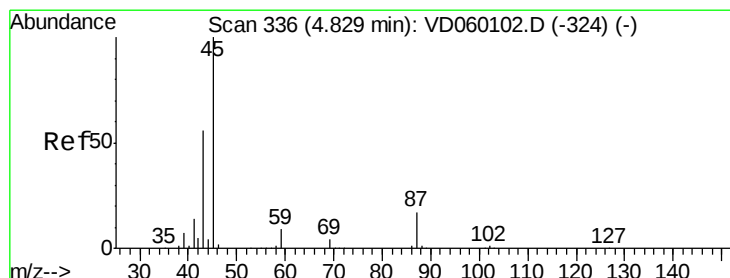
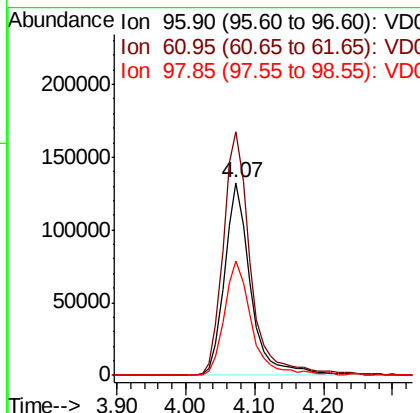
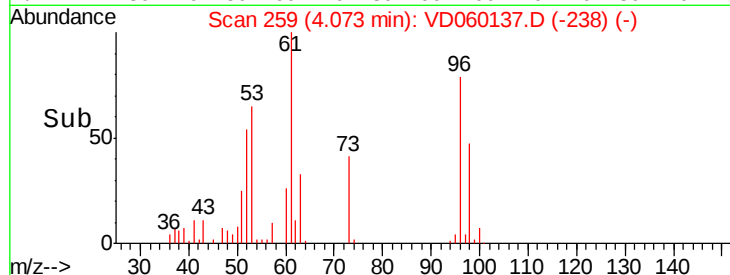
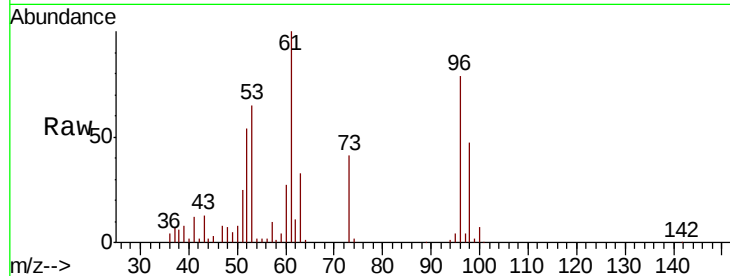
ClientSampleId :

VD1005SBS01

Tot Ion:	96	Resp:	346834
Ion	Ratio	Lower	Upper
96	100		
61	126.4	103.3	154.9
98	59.3	50.4	75.6

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#22

Diisopropyl ether

Concen: 21.886 ug/l

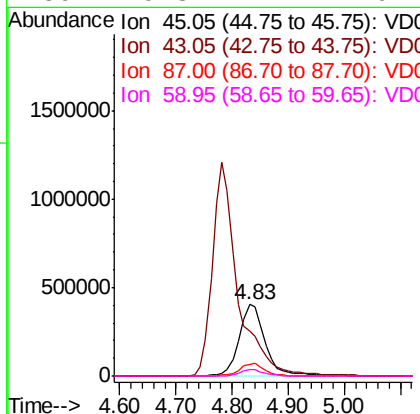
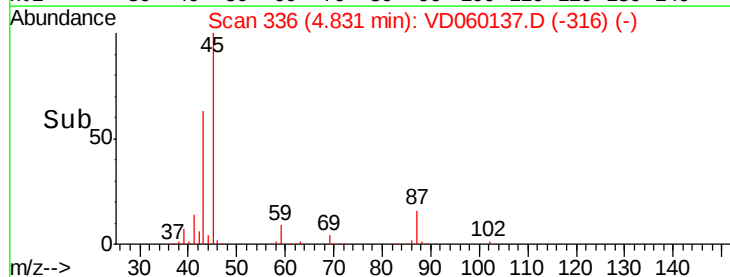
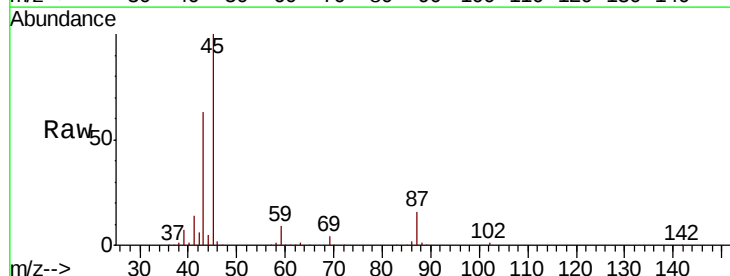
RT: 4.83 min Scan# 336

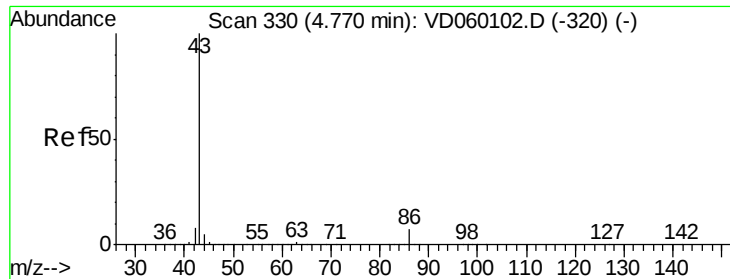
Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Tgt Ion:	45	Resp:	1301803
Ion	Ratio	Lower	Upper
45	100		
43	63.4	44.8	67.2
87	16.4	13.9	20.9
59	9.3	7.1	10.7





#23

Vinyl Acetate

Concen: 113.516 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleID :

VD1005SBS01

Tot Ion: 43 Resp: 3795404

Ion Ratio Lower Upper

43 100

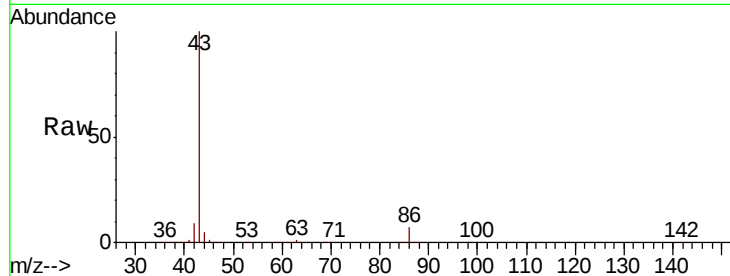
86 6.8 5.6 8.4

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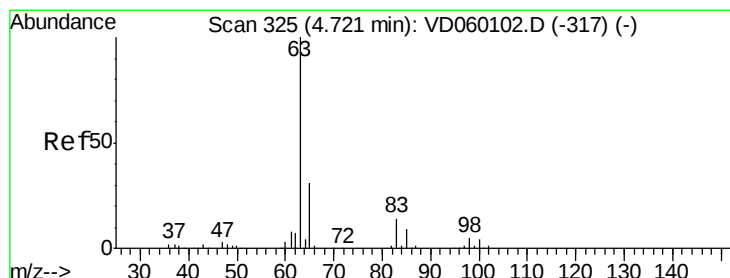
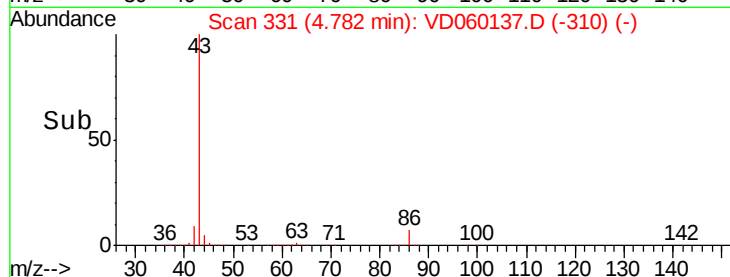
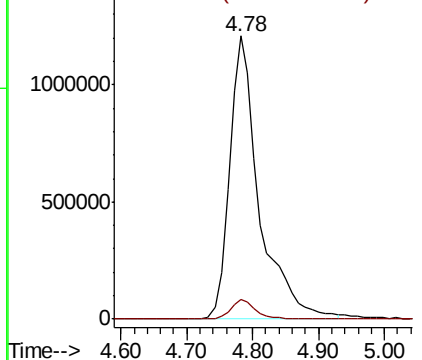
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.186 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

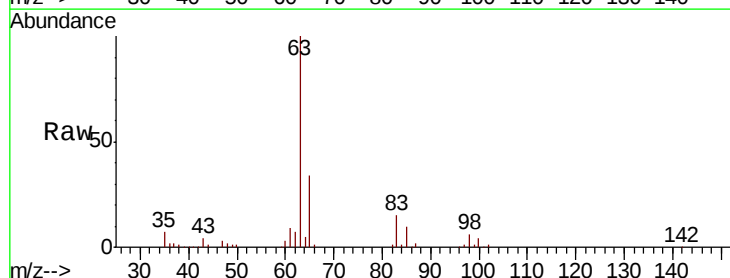
Tgt Ion: 63 Resp: 571385

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

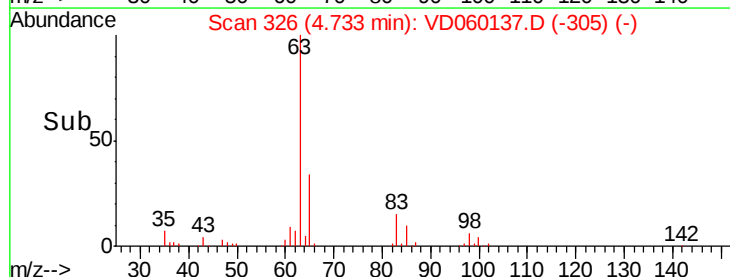
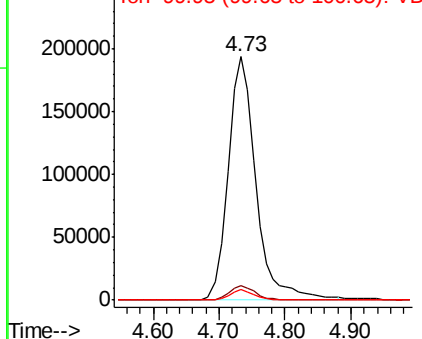
100 4.1 1.8 5.3

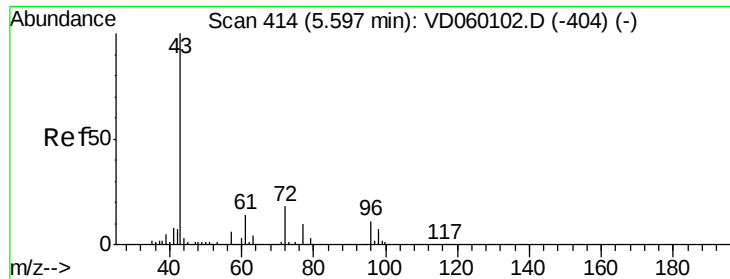


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 119.714 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 43 Resp: 646693

Ion Ratio Lower Upper

43 100

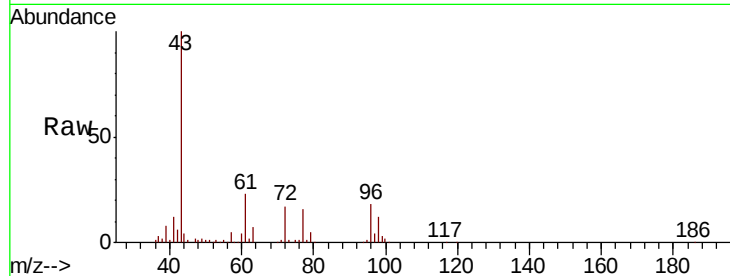
72 16.7 14.5 21.7

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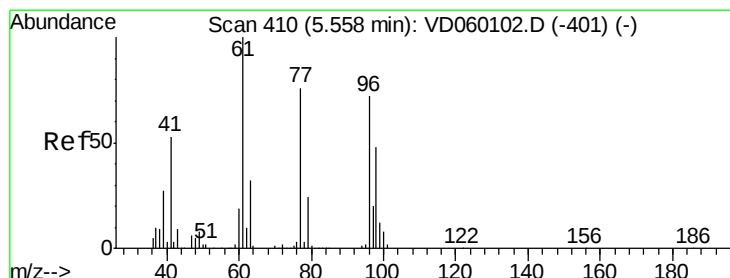
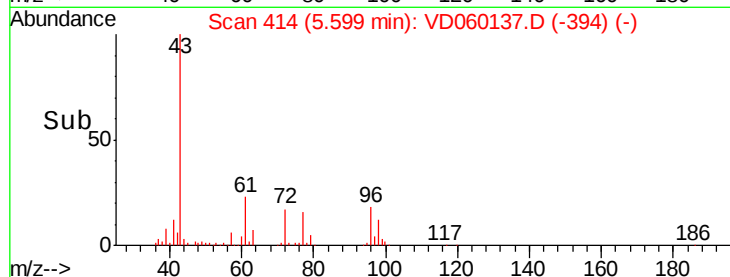
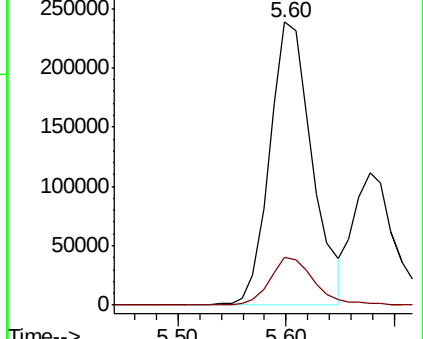
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.814 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060137.D

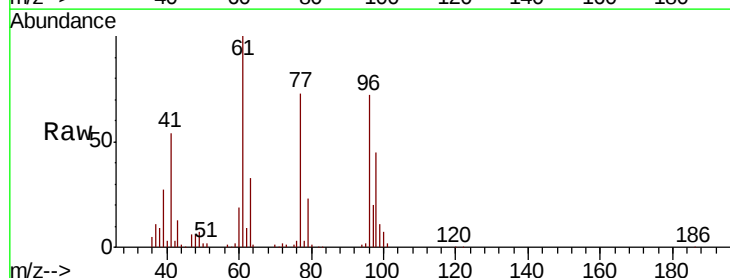
Acq: 5 Oct 2018 13:09

Tgt Ion: 77 Resp: 445988

Ion Ratio Lower Upper

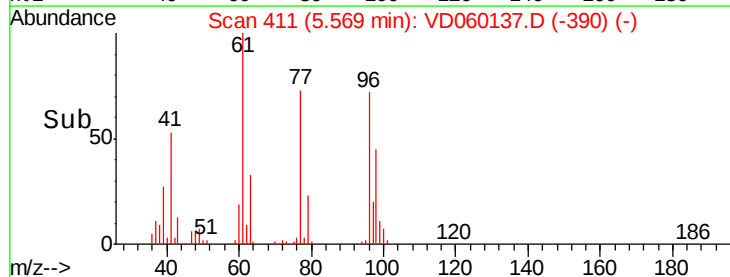
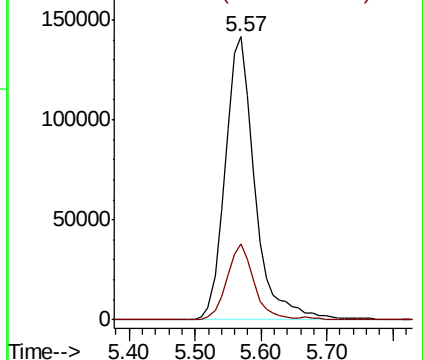
77 100

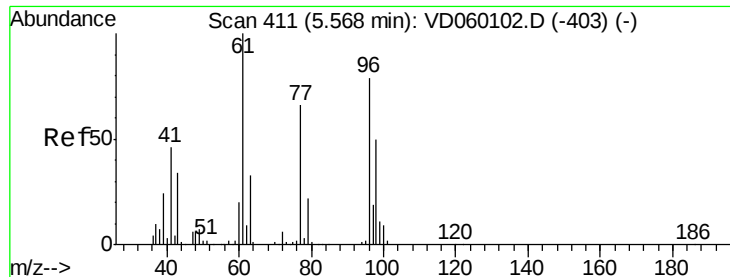
97 26.9 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

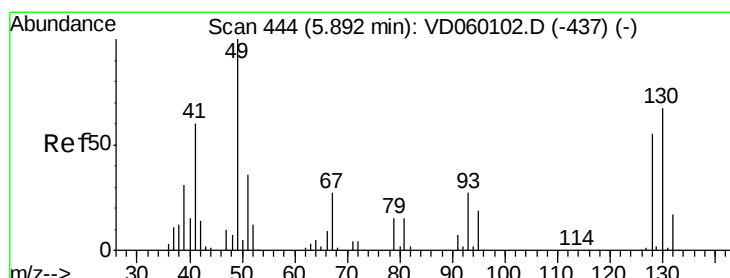
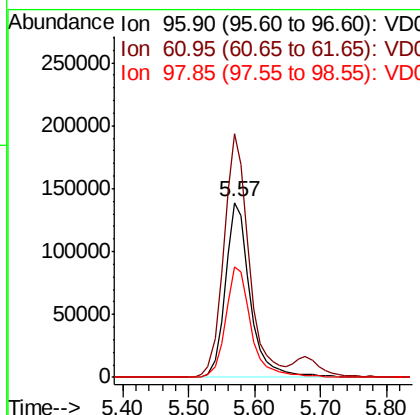
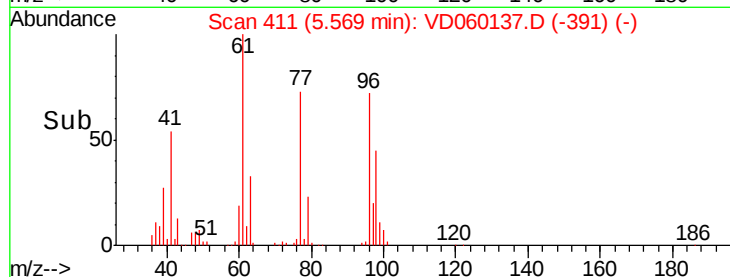
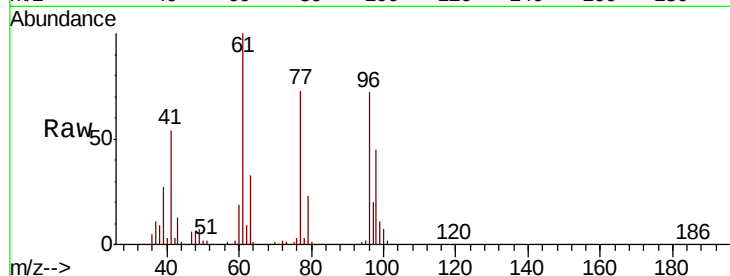
cis-1,2-Dichloroethene
Concen: 20.728 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.2	0.0	251.8	
98	63.3	0.0	125.2	

Manual Integrations
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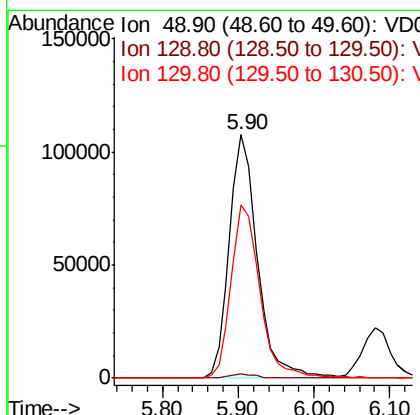
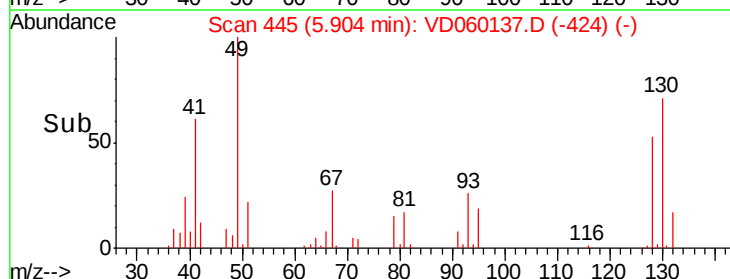
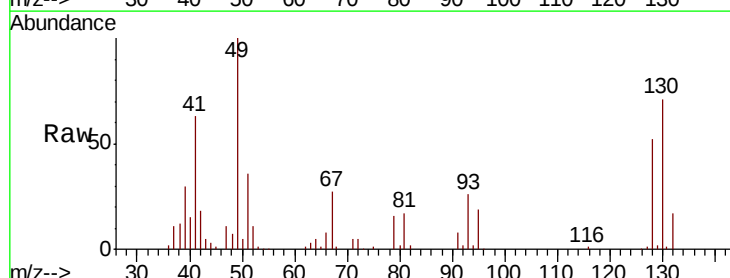
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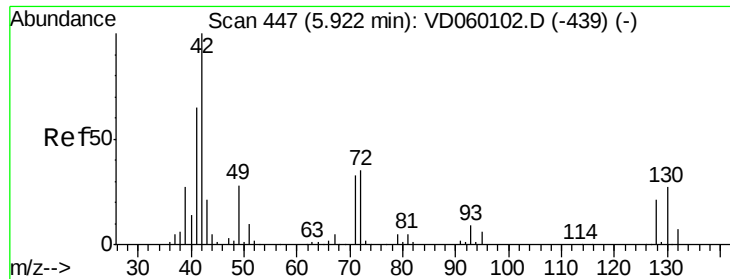


#28

Bromochloromethane
Concen: 21.188 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	71.3	53.9	80.9	





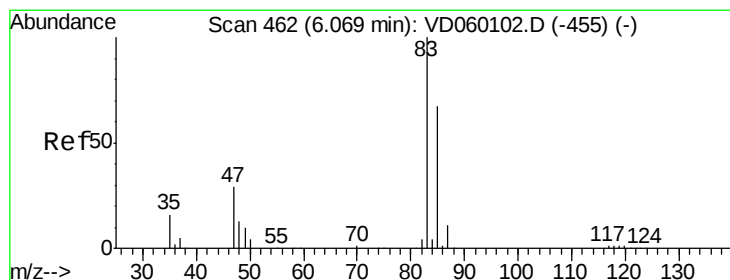
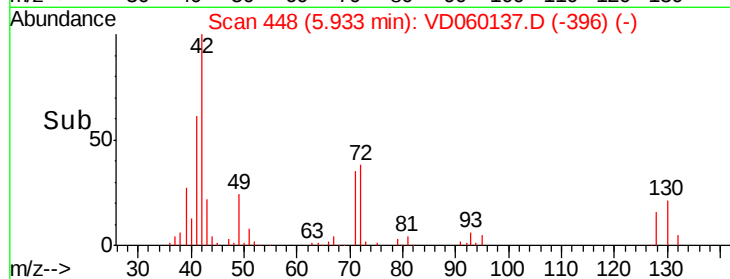
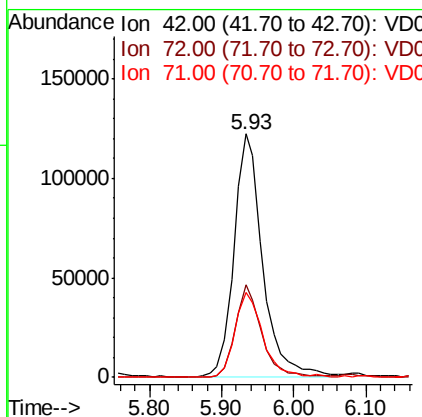
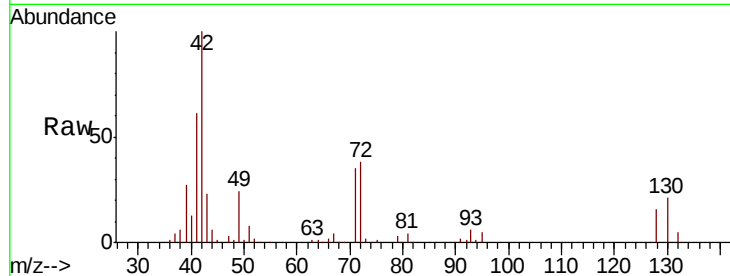
#29
Tetrahydrofuran
Concen: 108.689 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	26.9	40.3
71	34.0	26.7	40.1

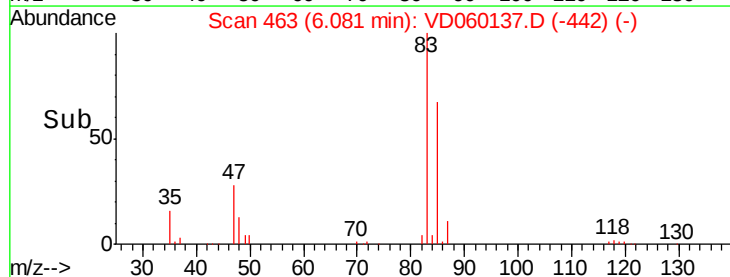
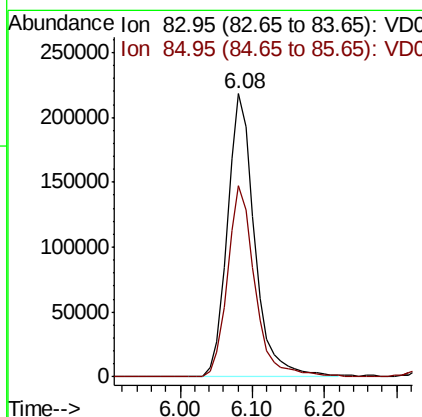
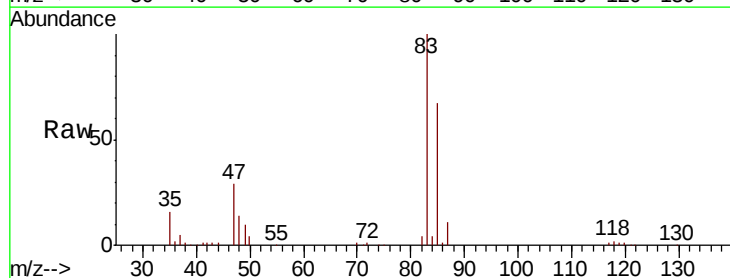
Manual Integrations
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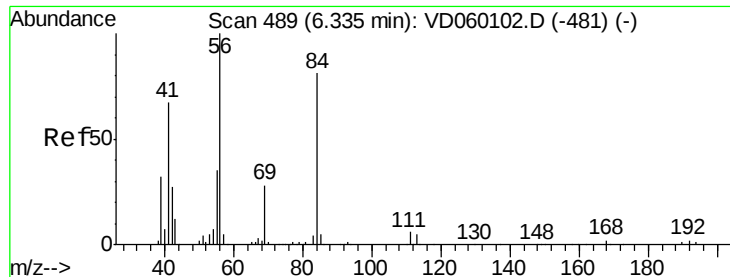
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#30
Chloroform
Concen: 21.063 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.8	80.8





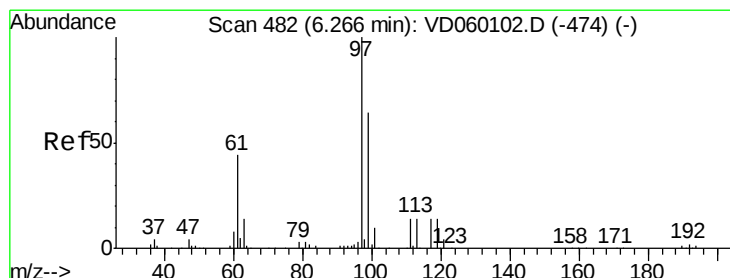
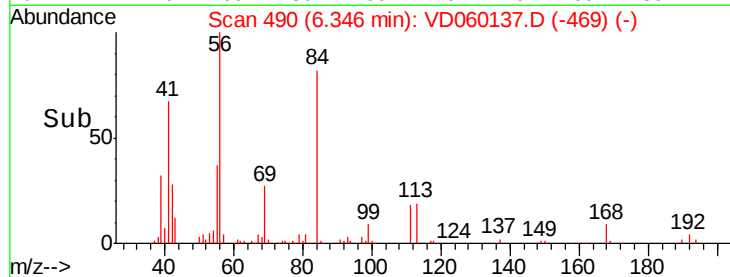
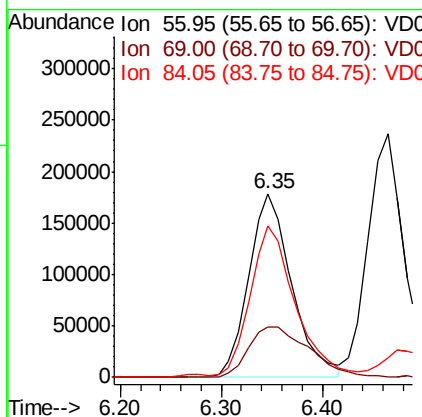
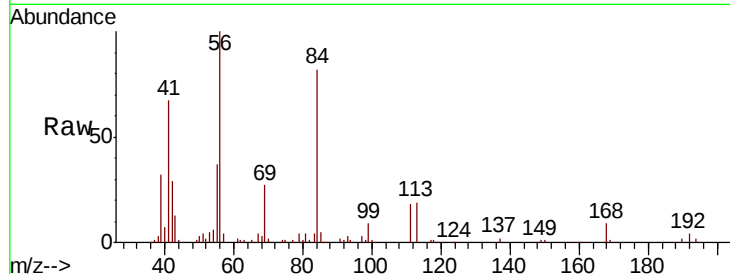
#31
Cyclohexane
Concen: 20.469 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.3	22.8	34.2
84	82.0	64.9	97.3

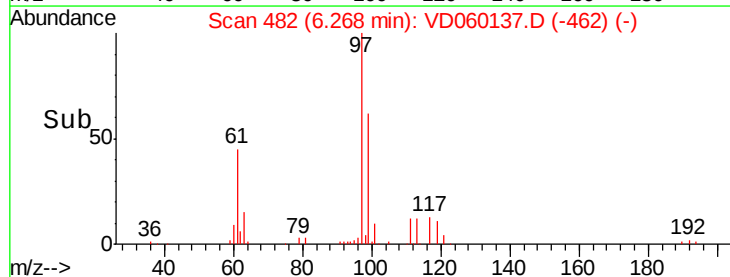
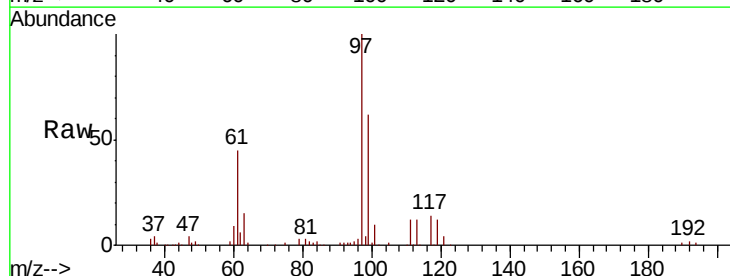
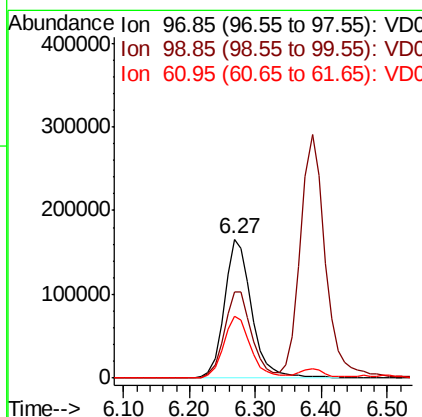
Manual Integrations
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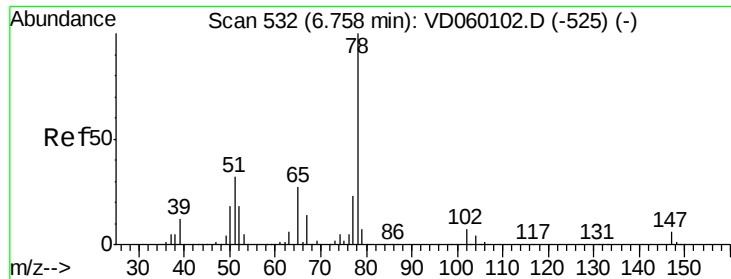
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#32
1,1,1-Trichloroethane
Concen: 21.488 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.4	77.0
61	44.6	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 21.488 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 65 Resp: 636424

Ion Ratio Lower Upper

65 100

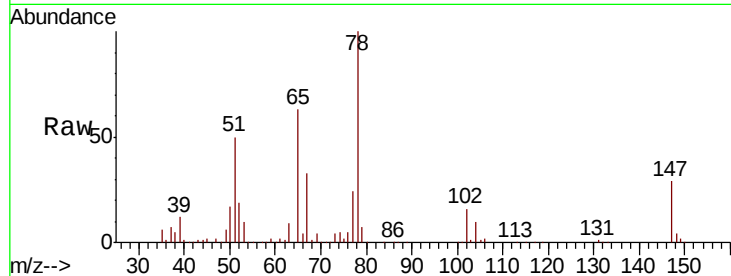
67 51.7 0.0 106.2

Manual Integrations

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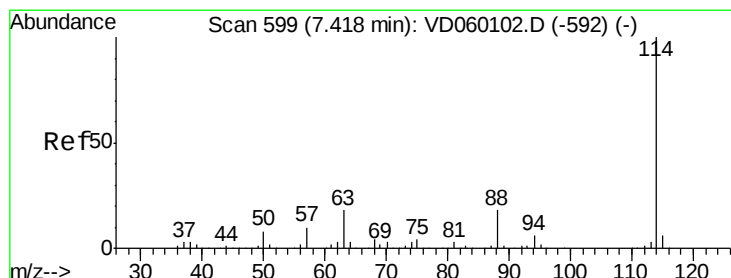
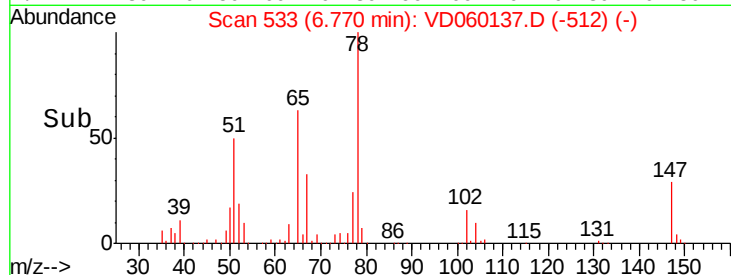
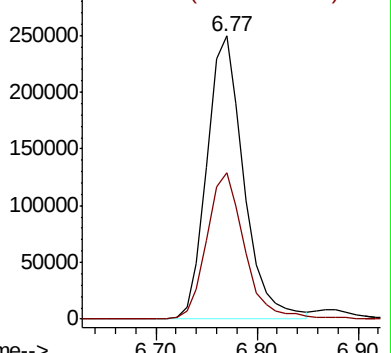
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

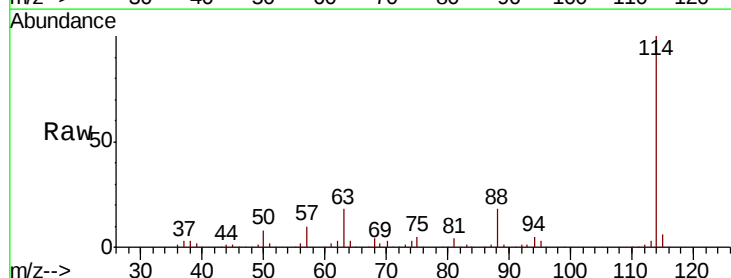
Tgt Ion: 114 Resp: 2142985

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.0

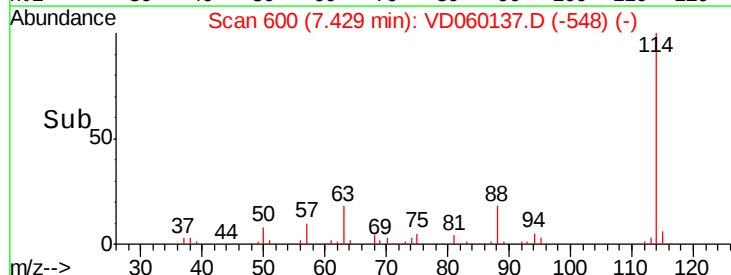
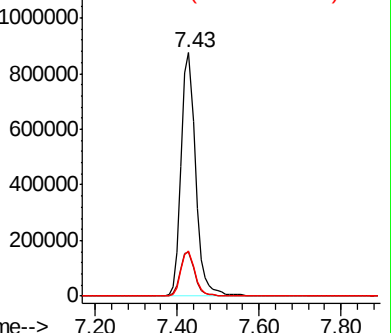
88 18.4 0.0 36.2

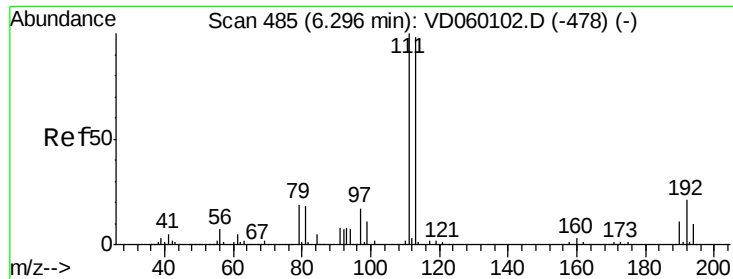


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

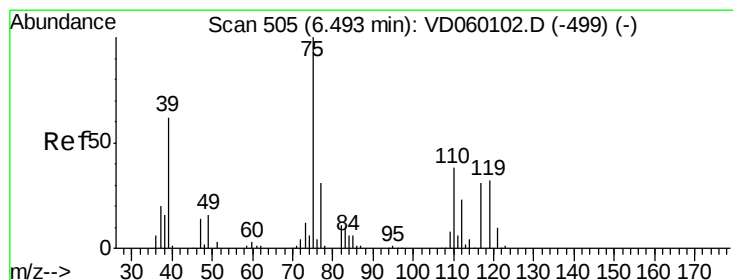
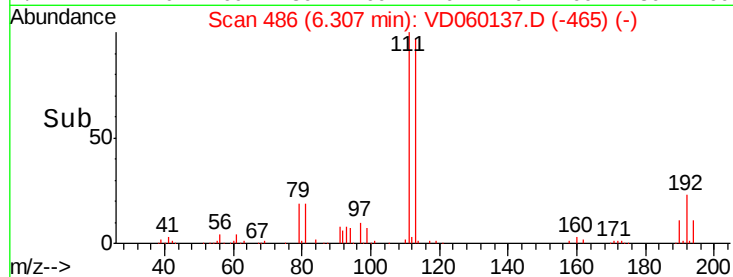
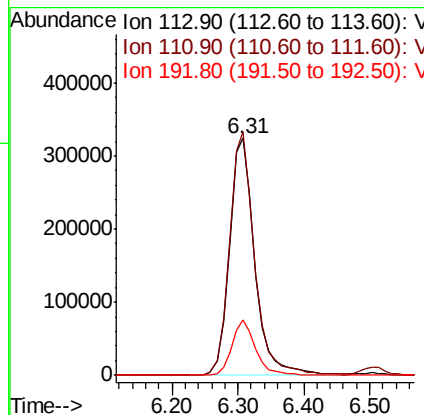
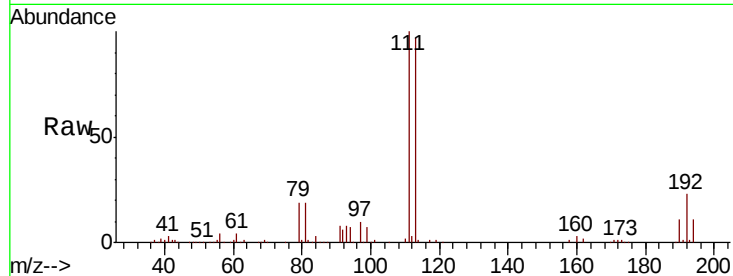
ClientSampleId :

VD1005SBS01

Tot Ion:	113	Resp:	869646
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.5	122.3
192	23.3	17.4	26.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.753 ug/l

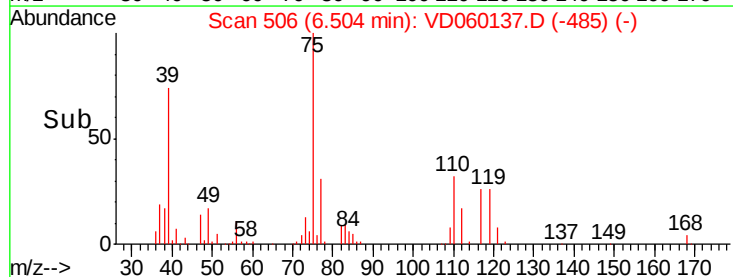
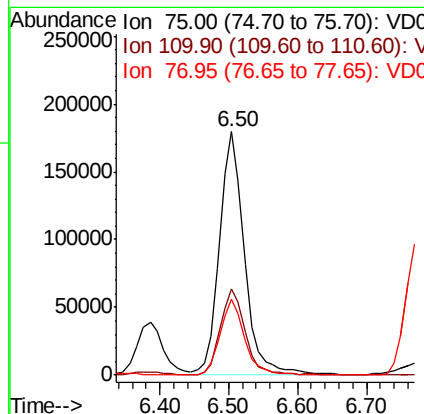
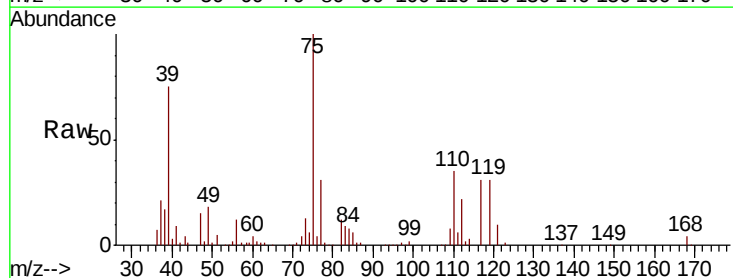
RT: 6.50 min Scan# 506

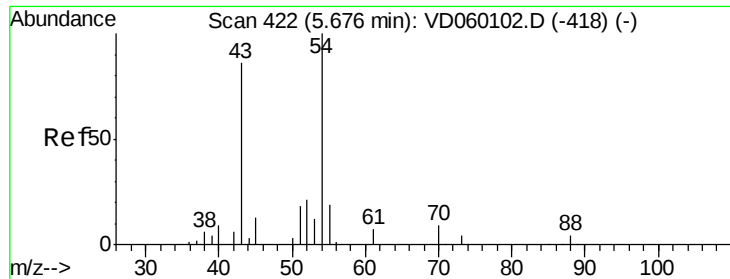
Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Tgt Ion:	75	Resp:	445450
Ion Ratio	Lower	Upper	
75	100		
110	35.3	19.0	57.0
77	31.0	24.9	37.3





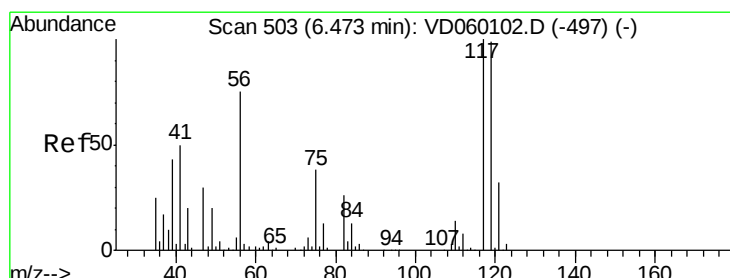
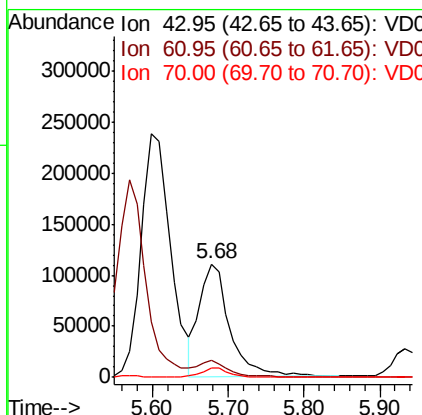
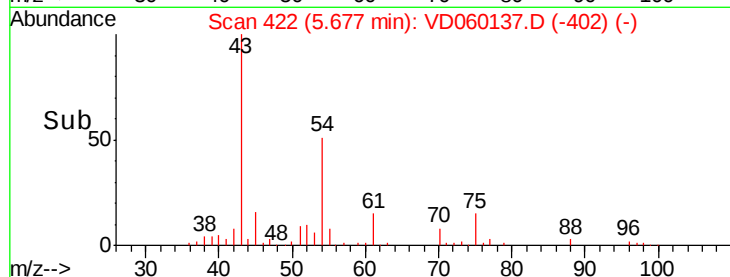
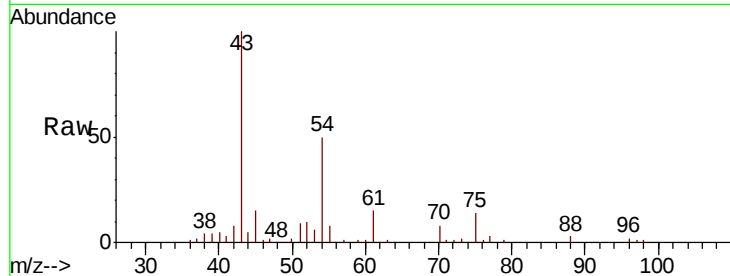
#37
Ethyl Acetate
Concen: 22.430 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.5	15.7
70	7.9	6.3	9.5

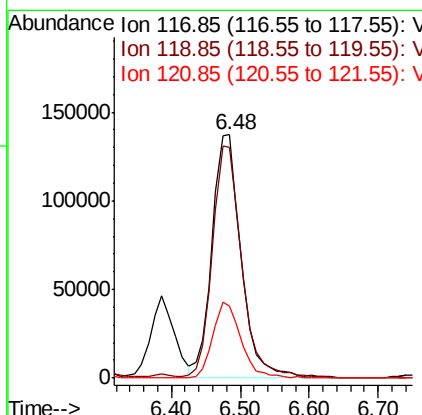
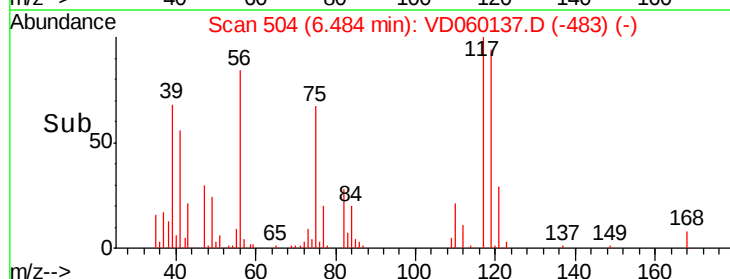
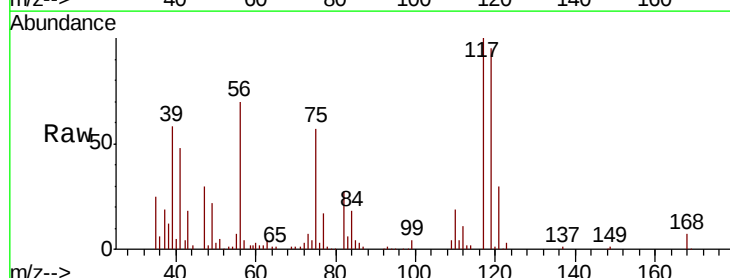
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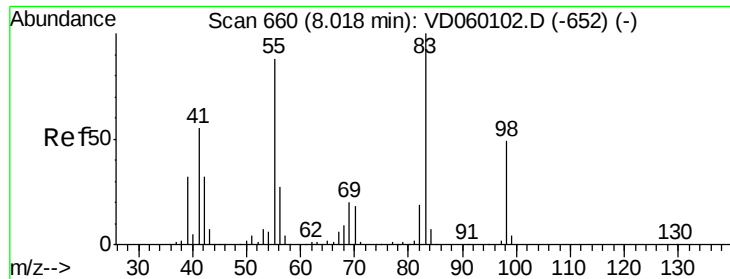
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#38
Carbon Tetrachloride
Concen: 21.479 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.8	116.6
121	29.8	24.8	37.2





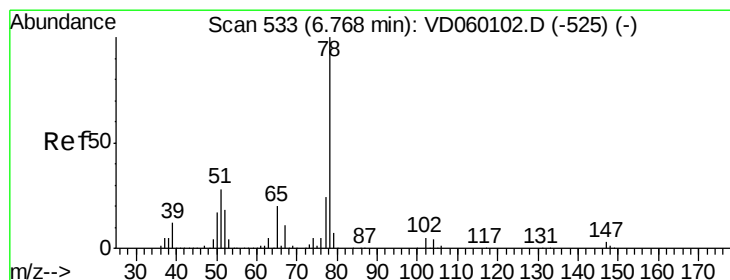
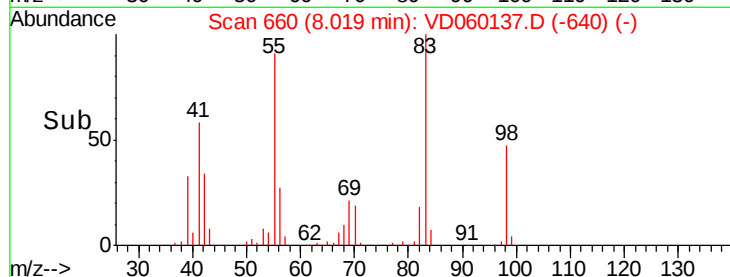
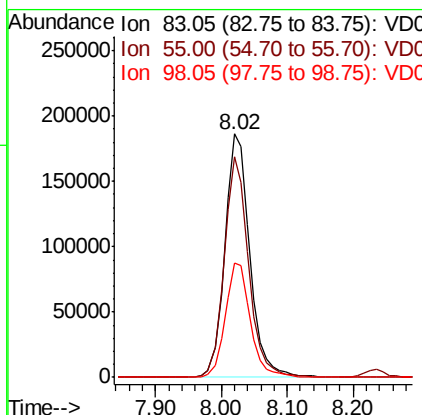
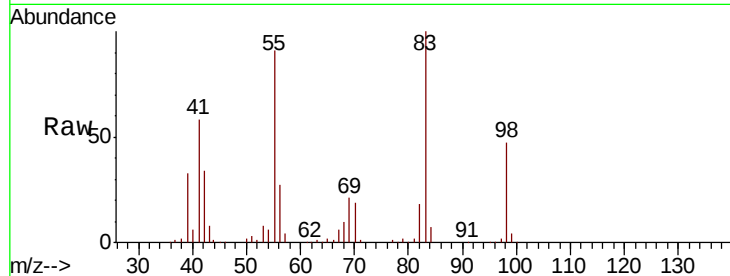
#39
Methvlcvclohexane
Concen: 21.190 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.7	70.5	105.7
98	46.7	39.4	59.2

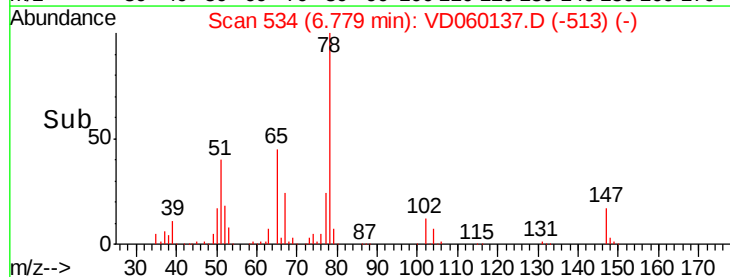
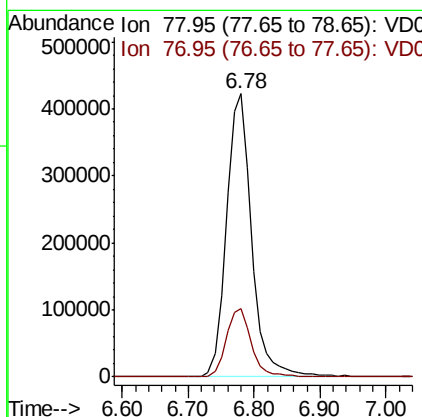
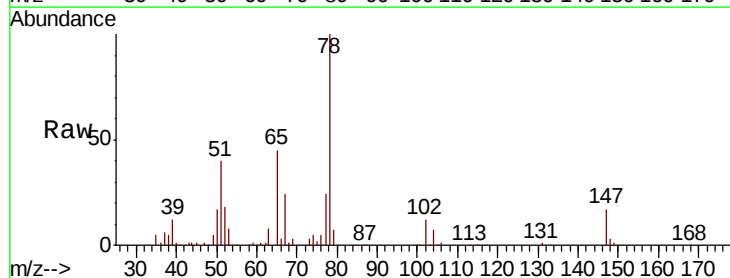
Manual Integrations
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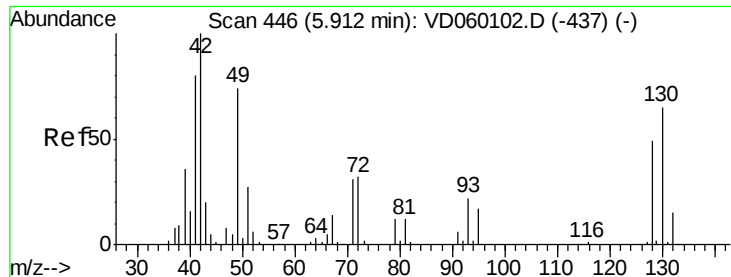
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#40
Benzene
Concen: 21.102 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 20.209 ug/l m

RT: 5.90 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 41 Resp: 155263

Ion Ratio Lower Upper

41 100

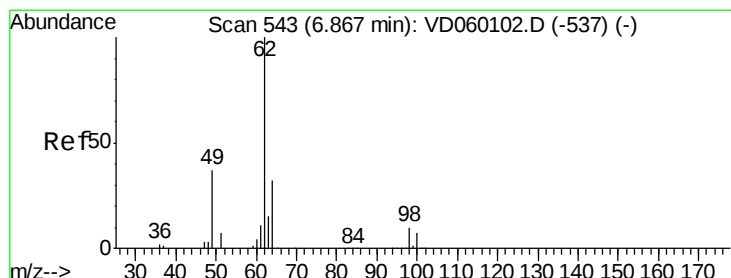
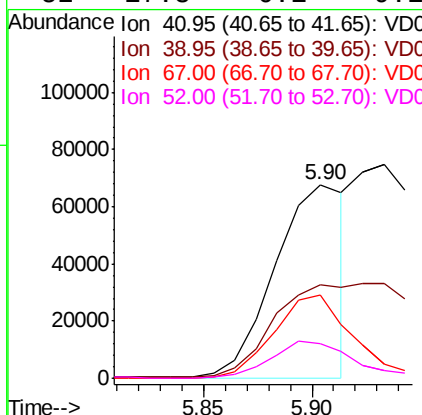
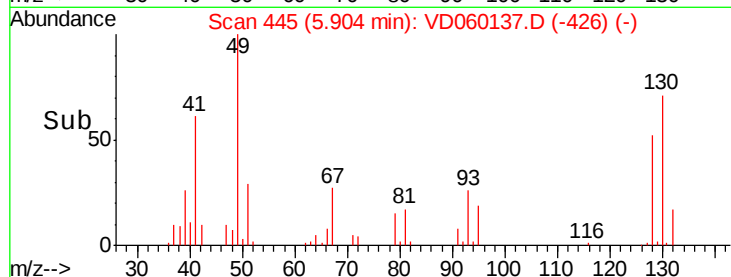
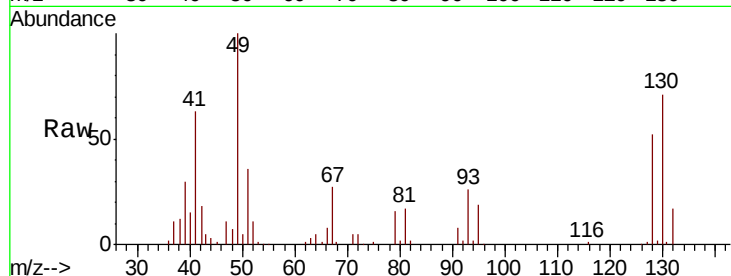
39 48.0 36.0 54.0

67 42.8 13.9 20.9#

52 17.8 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.702 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060137.D

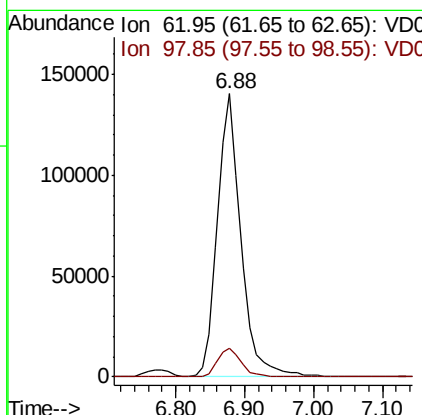
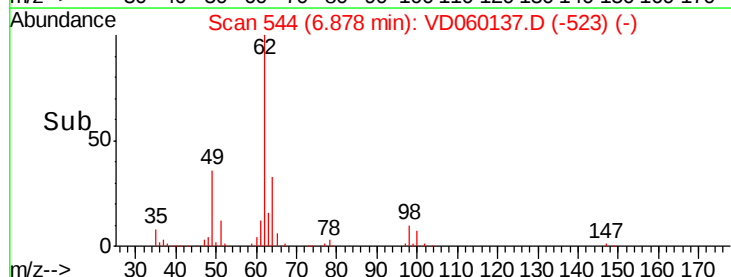
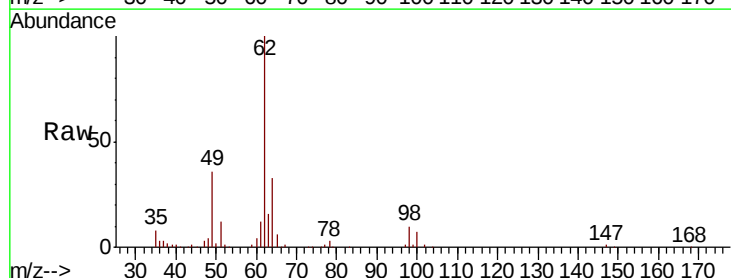
Acq: 5 Oct 2018 13:09

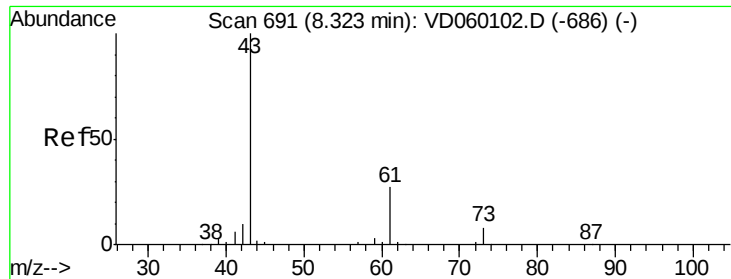
Tgt Ion: 62 Resp: 333337

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.6





#43

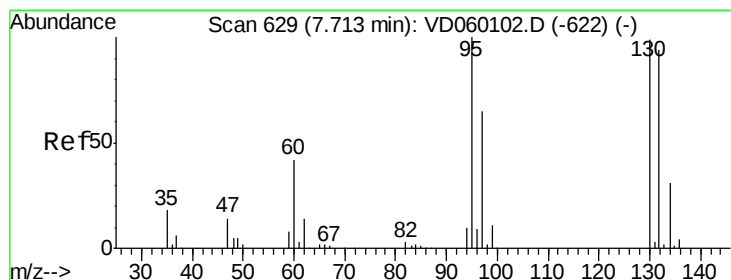
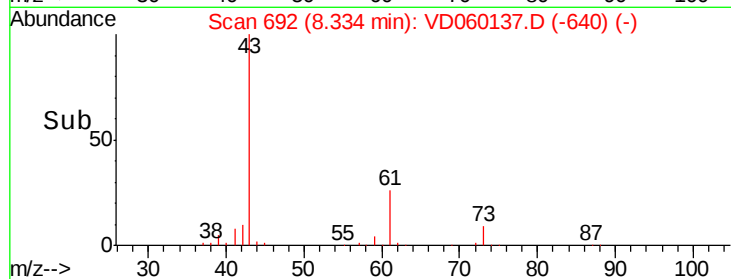
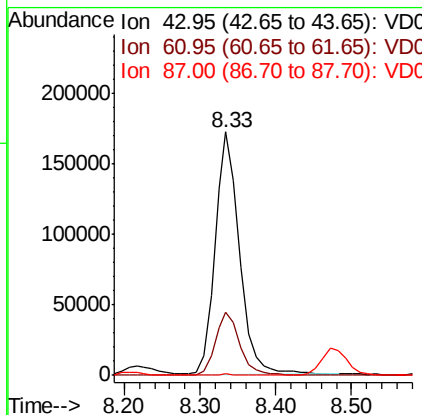
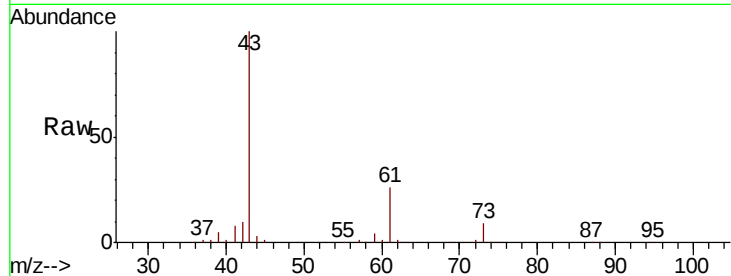
Isopropyl Acetate
 Concen: 21.495 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.4	32.2
87	0.5	0.2	0.2#

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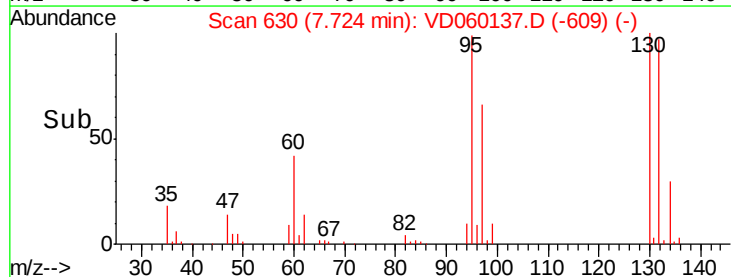
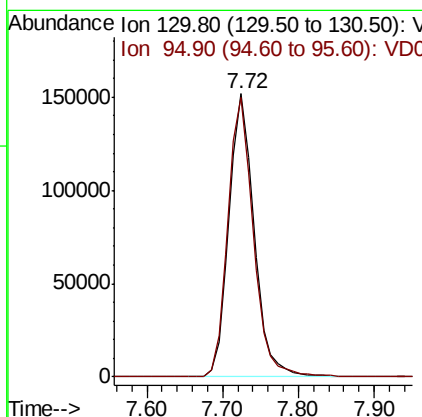
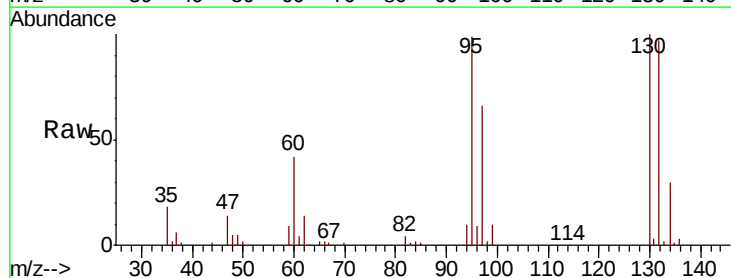
apatel
 10/8/2018 12:23:00 PM

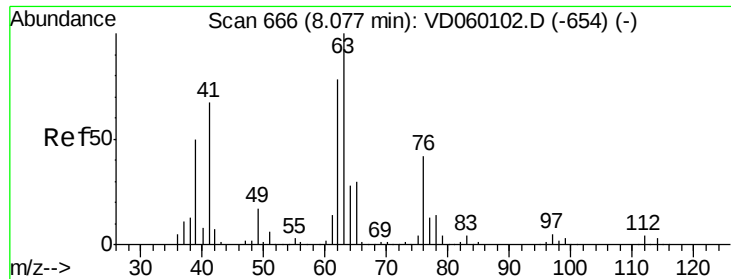


#44

Trichloroethene
 Concen: 21.059 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	202.2





#45

1,2-Dichloropropane

Concen: 21.569 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 63 Resp: 302567

Ion Ratio Lower Upper

63 100

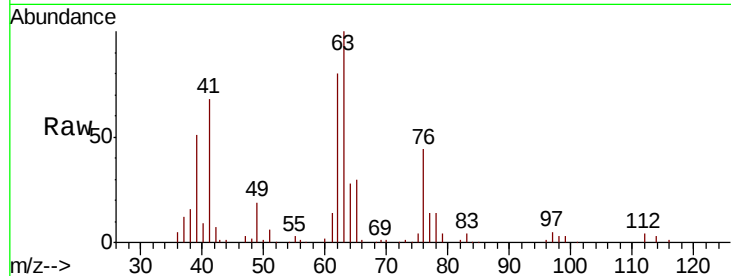
65 30.1 24.1 36.1

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

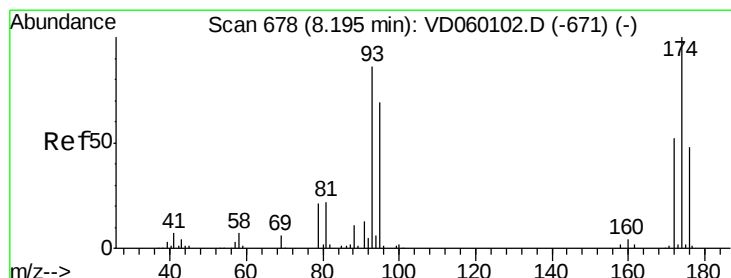
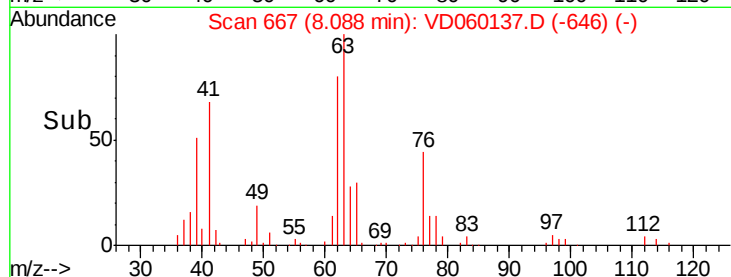
8.09

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 21.828 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

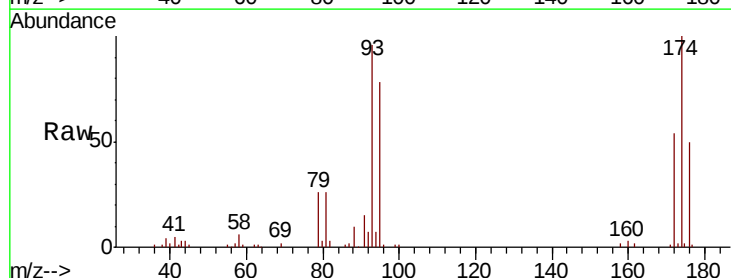
Tgt Ion: 93 Resp: 198244

Ion Ratio Lower Upper

93 100

95 82.0 63.8 95.6

174 104.5 92.9 139.3



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

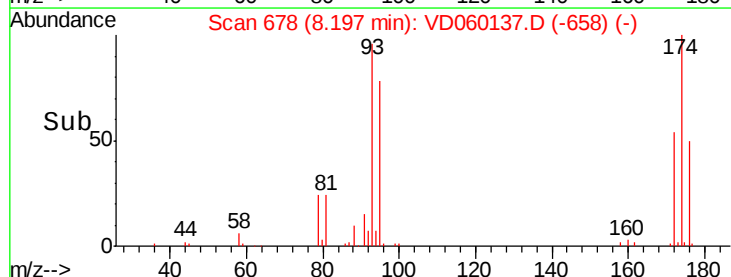
8.20

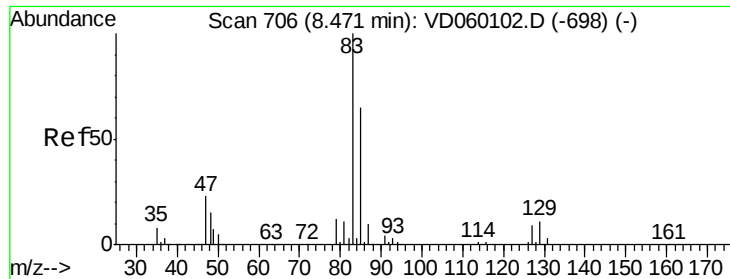
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 21.856 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

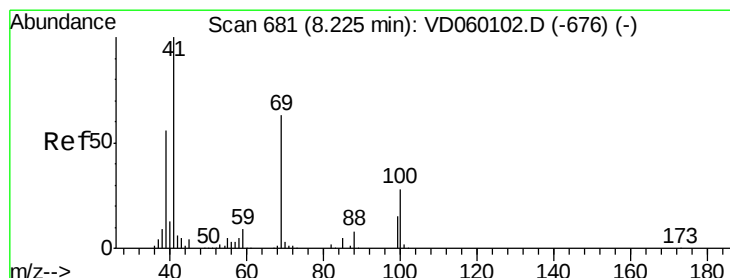
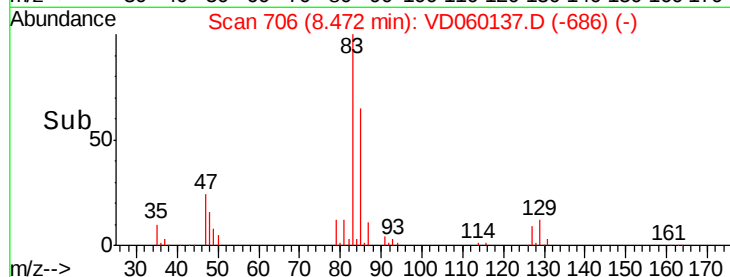
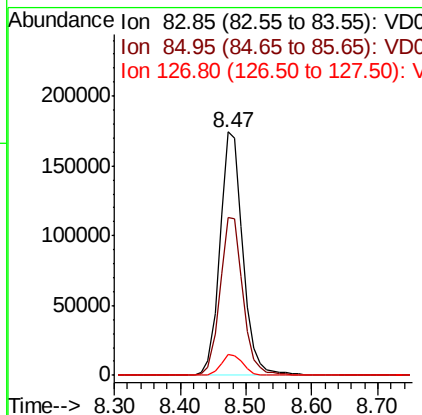
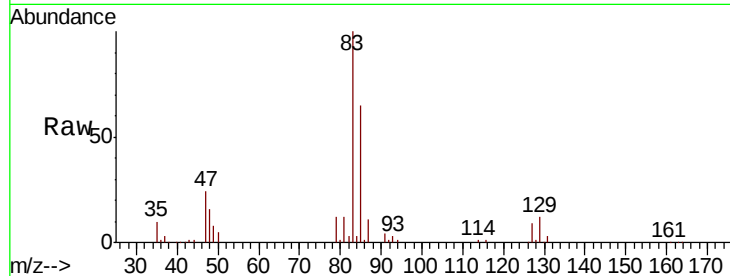
ClientSampleId :

VD1005SBSD01

Tot Ion:	83	Resp:	422947
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.2	78.2
127	8.7	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.889 ug/l

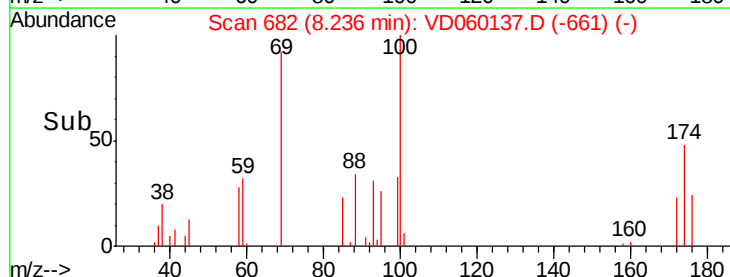
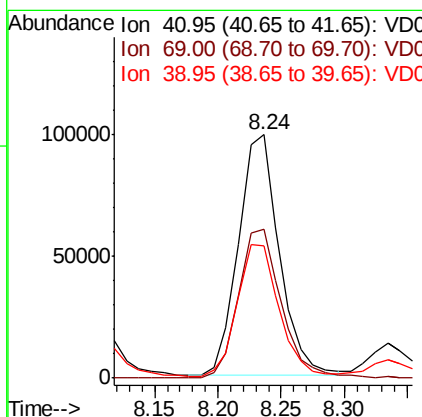
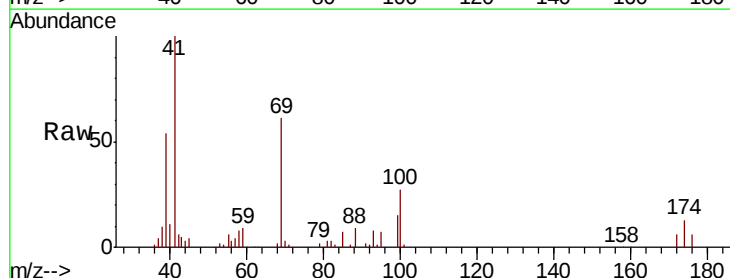
RT: 8.24 min Scan# 682

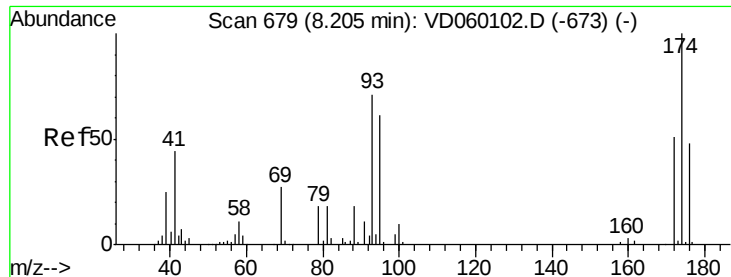
Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Tgt Ion:	41	Resp:	222964
Ion Ratio	Lower	Upper	
41	100		
69	61.3	49.7	74.5
39	54.1	45.2	67.8





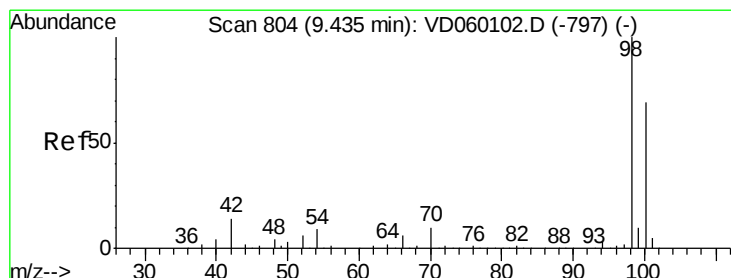
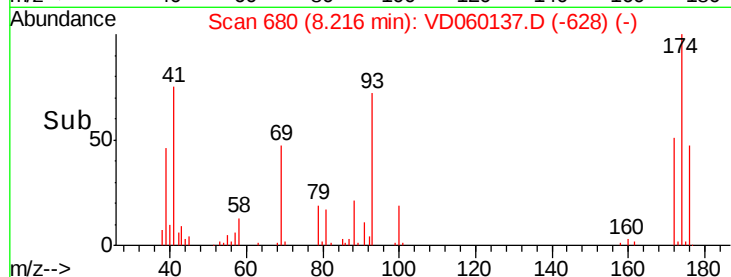
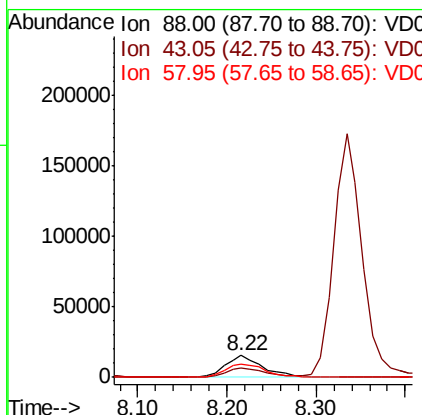
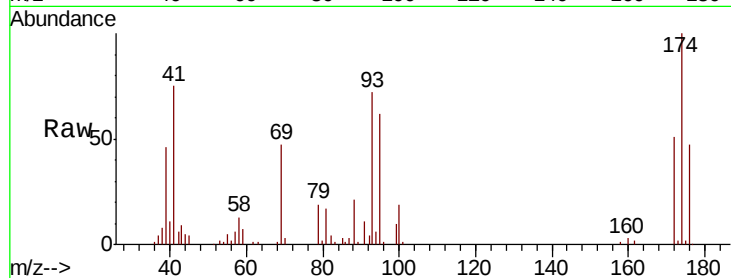
#49
1,4-Dioxane
Concen: 451.979 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.1	33.7	50.5
58	61.9	49.1	73.7

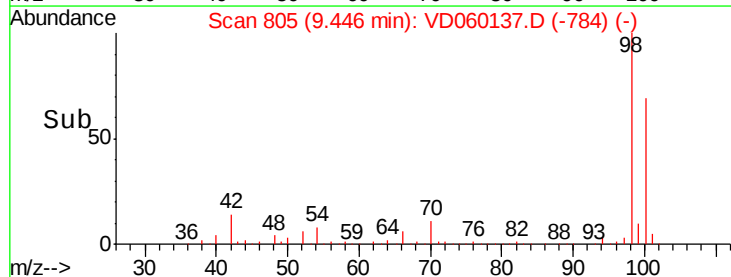
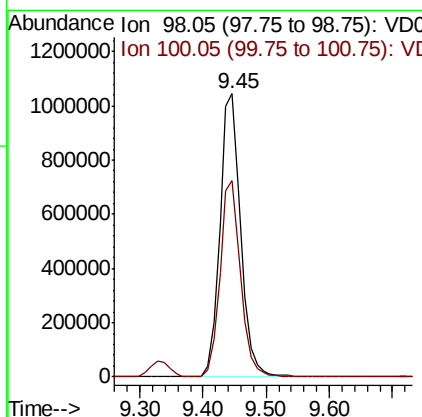
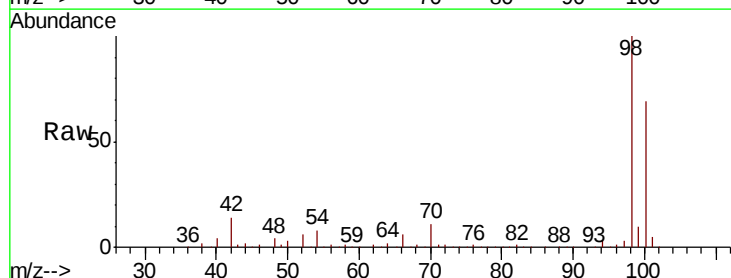
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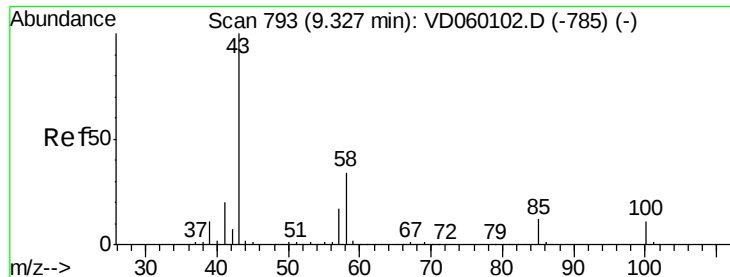
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#50
Toluene-d8
Concen: 451.979 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.4	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 110.964 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 43 Resp: 1251564

Ion Ratio Lower Upper

43 100

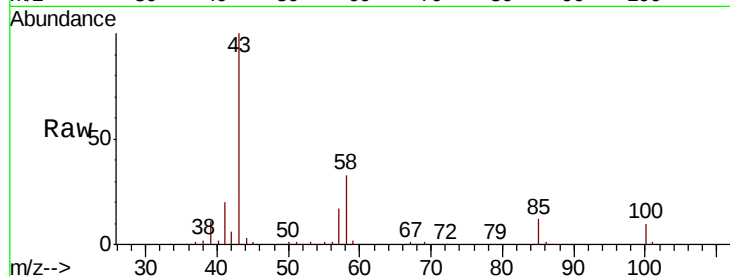
58 33.0 27.2 40.8

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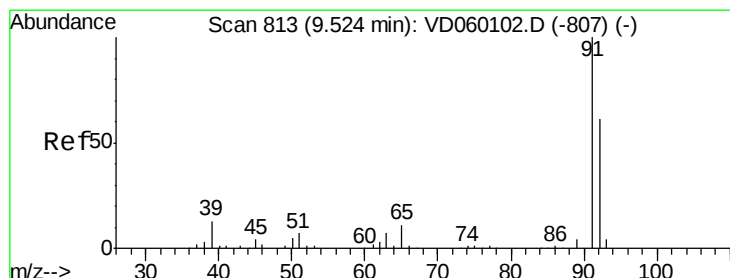
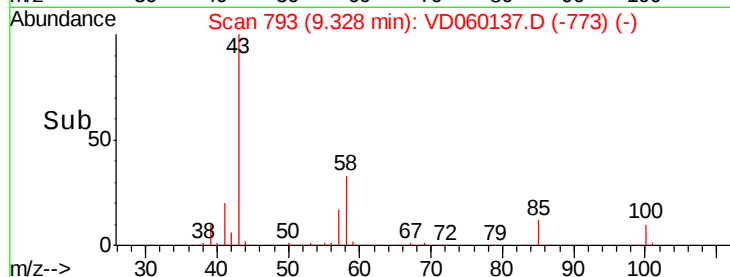
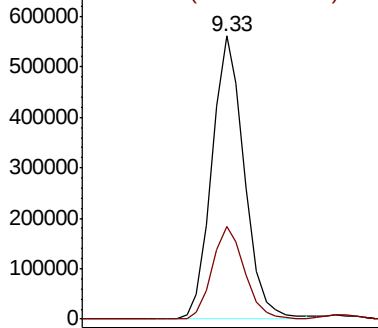
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.677 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060137.D

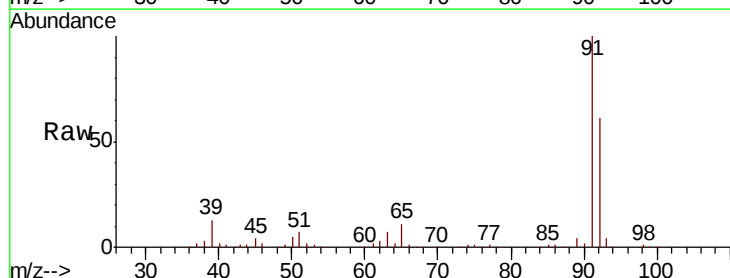
Acq: 5 Oct 2018 13:09

Tgt Ion: 92 Resp: 747918

Ion Ratio Lower Upper

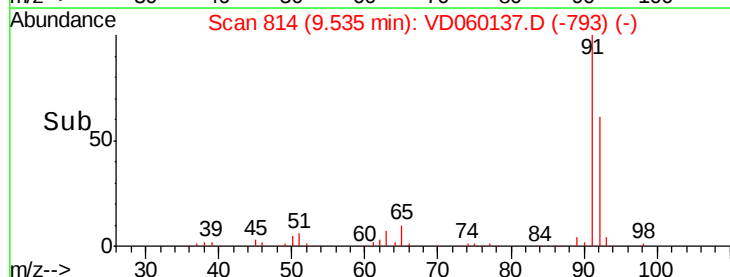
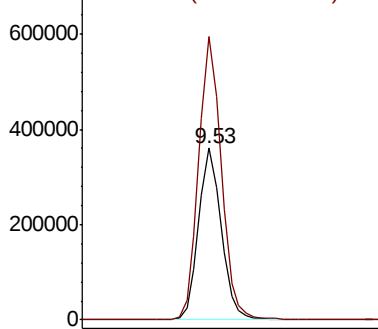
92 100

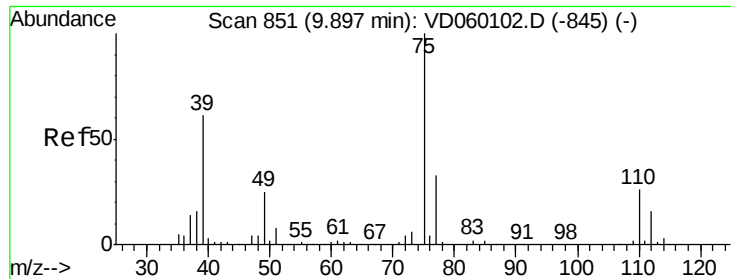
91 164.8 131.9 197.9



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: 22.187 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 75 Resp: 388478

Ion Ratio Lower Upper

75 100

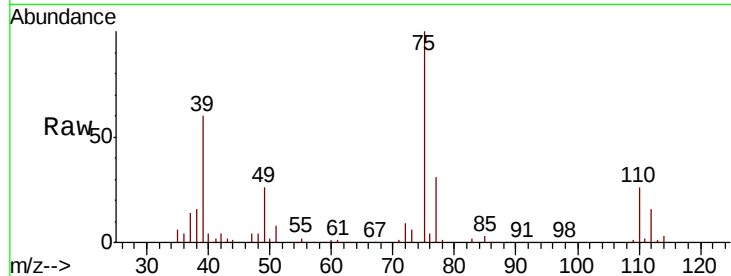
77 30.5 26.2 39.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

200000

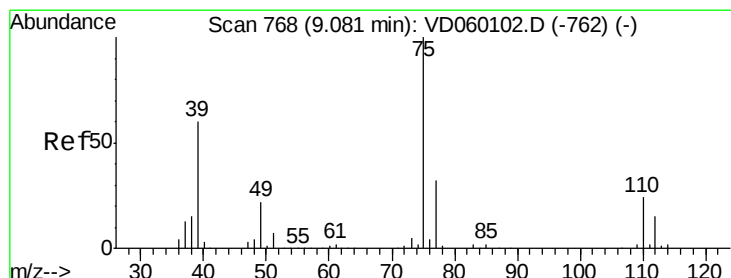
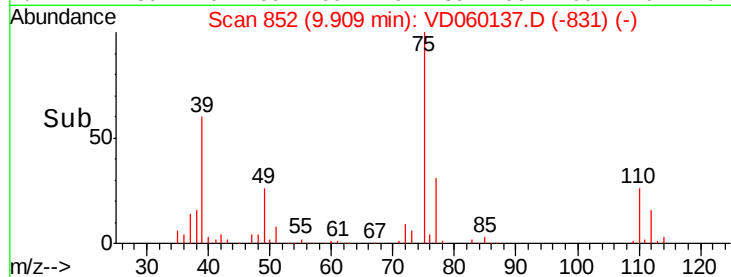
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.805 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

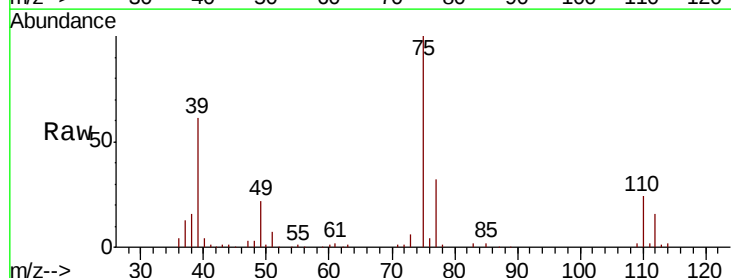
Tgt Ion: 75 Resp: 471460

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 60.9 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

250000

200000

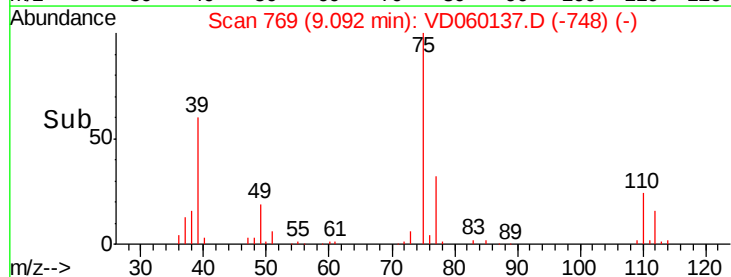
150000

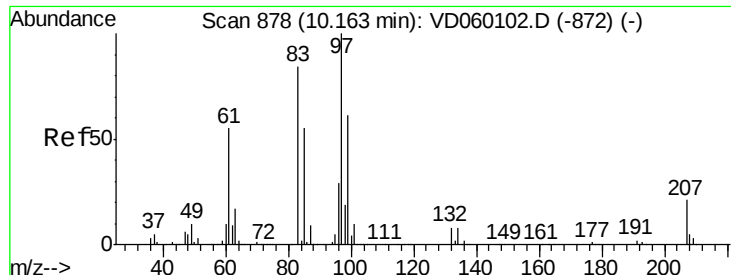
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 22.235 ug/l

RT: 10.17 min Scan# 879

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

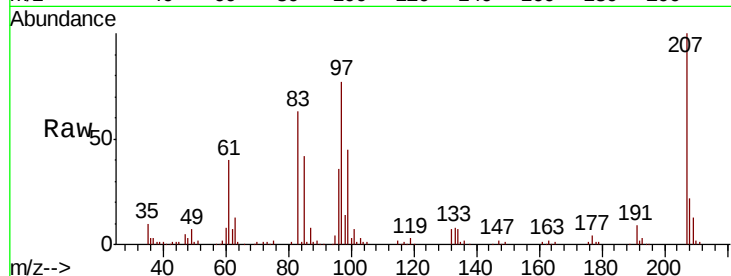
ClientSampleId :

VD1005SBS01

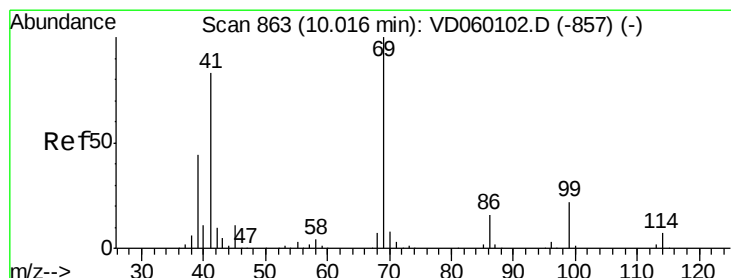
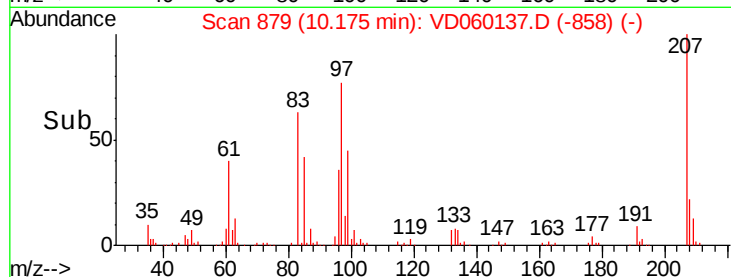
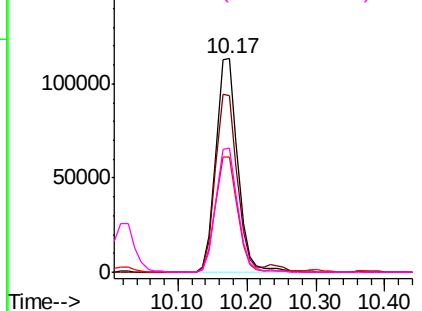
Tot Ion	97	Resp	250804
Ion Ratio	Lower	Upper	
97	100		
83	82.7	67.0	100.6
85	54.2	43.9	65.9
99	58.3	49.1	73.7

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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: 21.470 ug/l

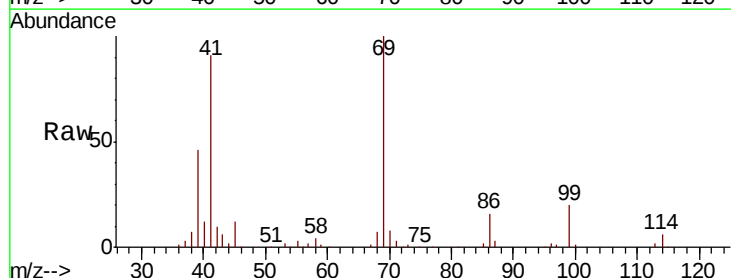
RT: 10.02 min Scan# 863

Delta R.T. 0.00 min

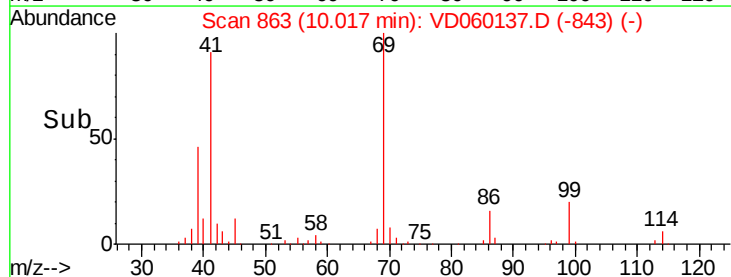
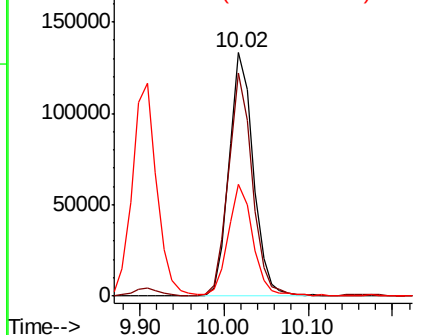
Lab File: VD060137.D

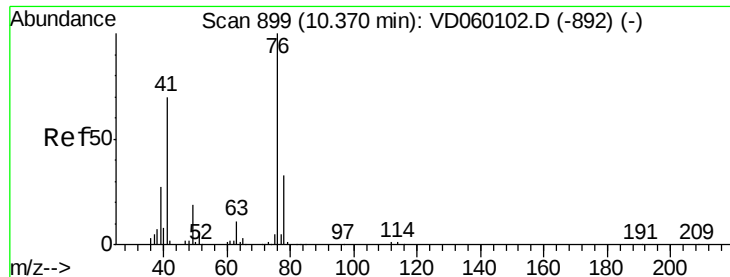
Acq: 5 Oct 2018 13:09

Tgt Ion	69	Resp	267331
Ion Ratio	Lower	Upper	
69	100		
41	91.5	66.6	100.0
39	46.0	36.0	54.0



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





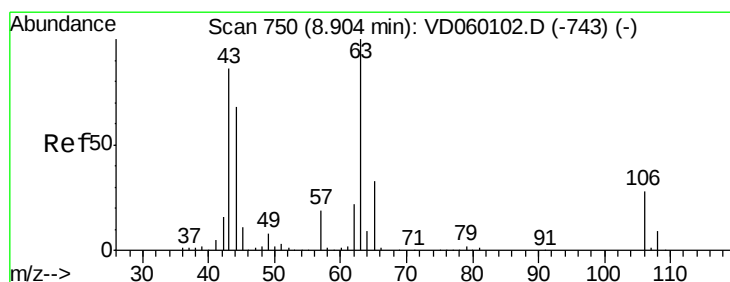
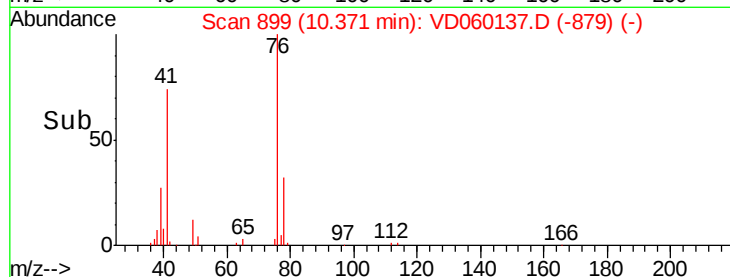
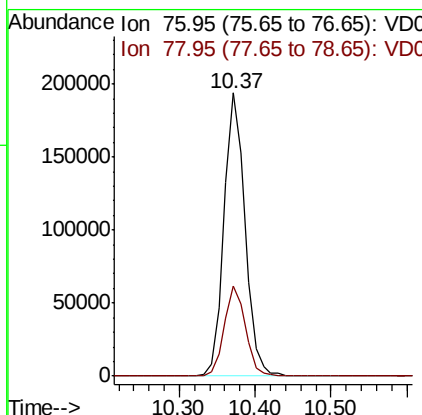
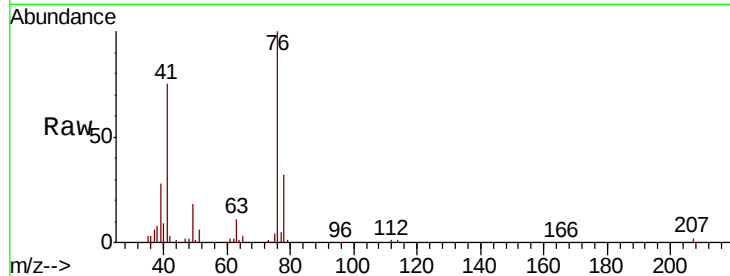
#57
 1,3-Dichloropropane
 Concen: 21.687 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion: 76 Resp: 373087
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2

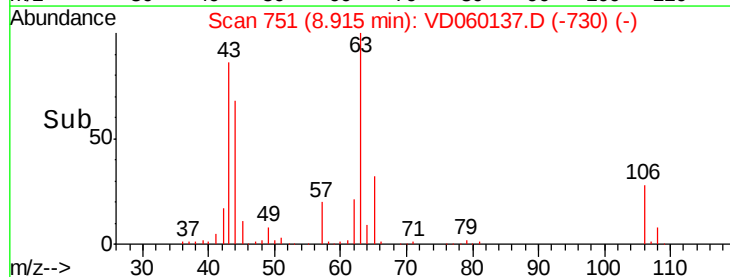
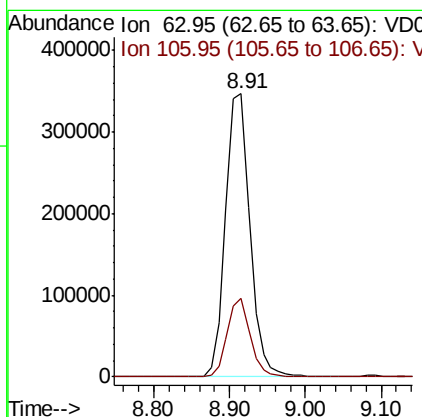
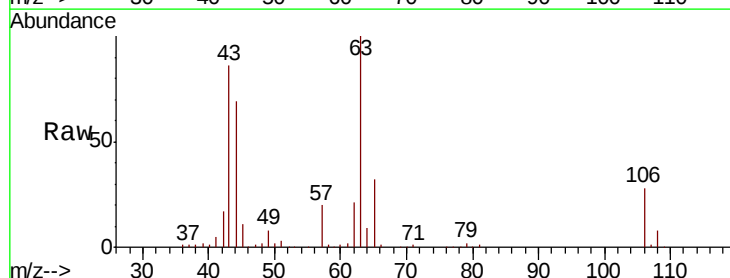
Manual Integrations
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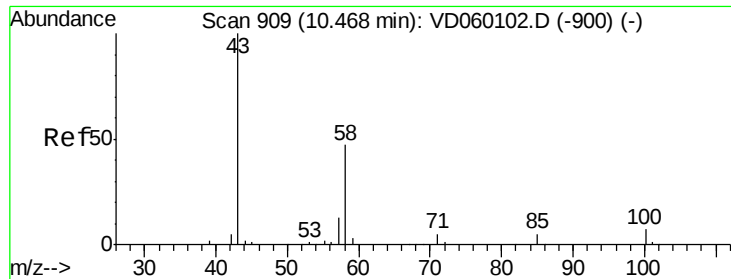
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.496 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Tgt Ion: 63 Resp: 777825
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.6 34.0





#59

2-Hexanone

Concen: 120.523 ug/l

RT: 10.48 min Scan# 910

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 43 Resp: 977506

Ion Ratio Lower Upper

43 100

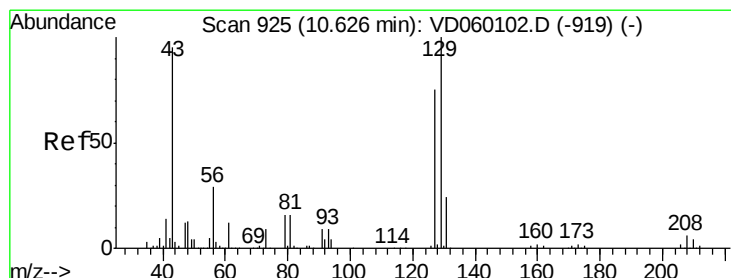
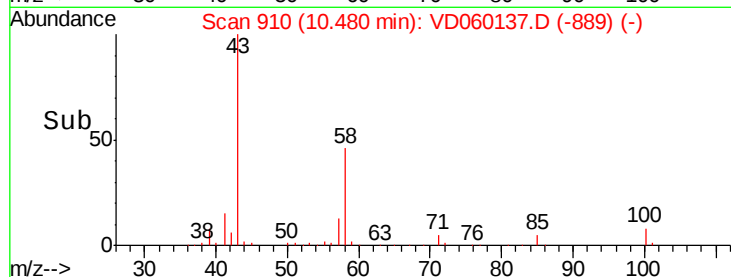
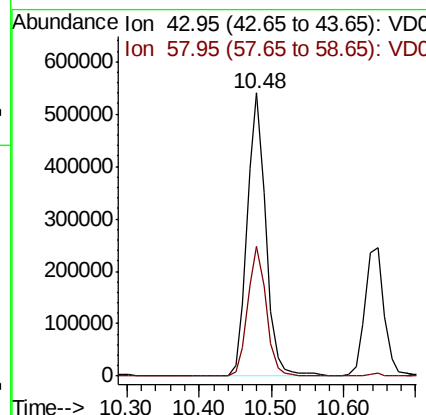
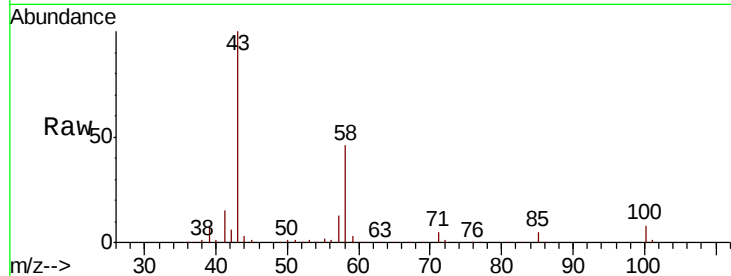
58 45.9 23.3 69.9

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#60

Dibromochloromethane

Concen: 21.900 ug/l

RT: 10.63 min Scan# 925

Delta R.T. 0.00 min

Lab File: VD060137.D

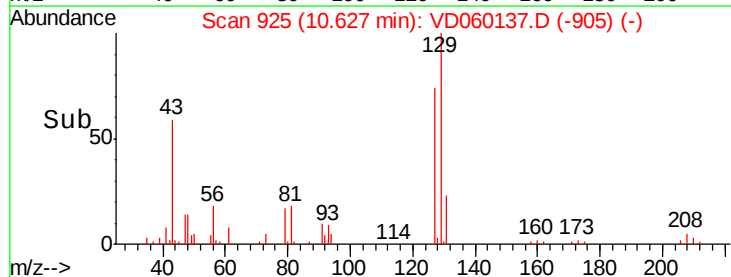
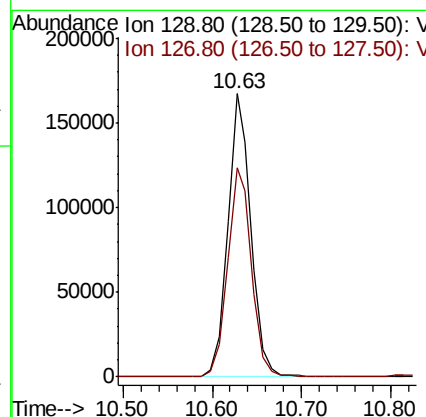
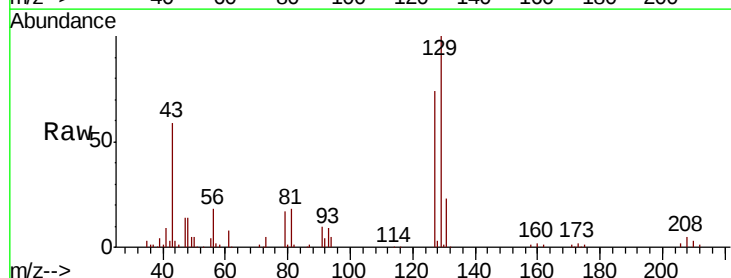
Acq: 5 Oct 2018 13:09

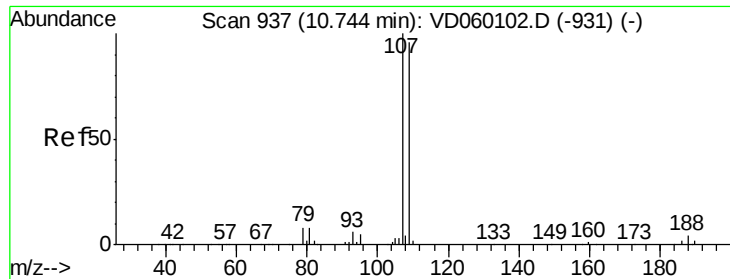
Tgt Ion: 129 Resp: 303087

Ion Ratio Lower Upper

129 100

127 74.1 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.506 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 107 Resp: 257742

Ion Ratio Lower Upper

107 100

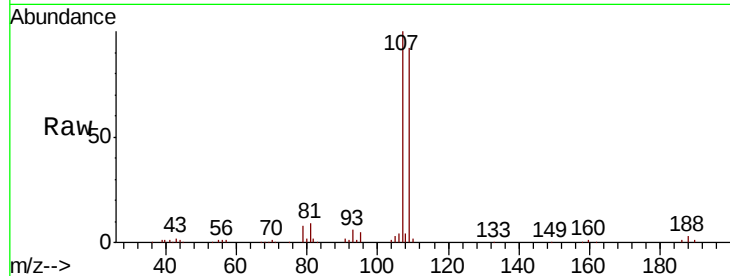
109 92.1 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

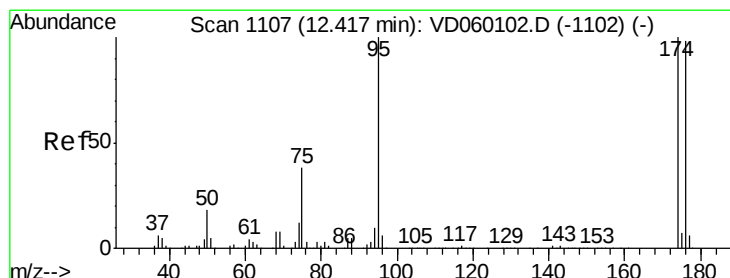
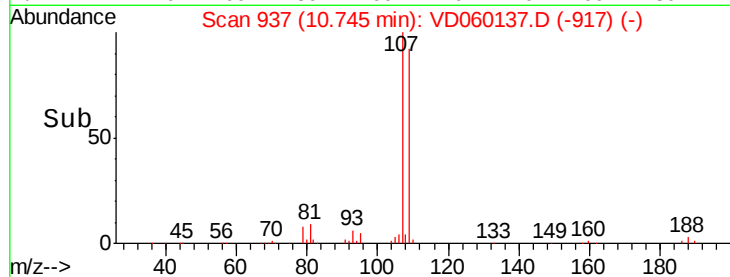
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.506 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

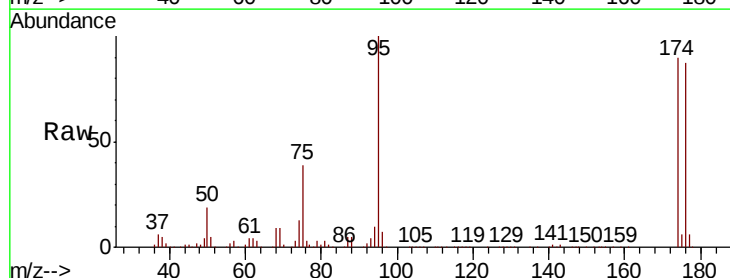
Tgt Ion: 95 Resp: 915533

Ion Ratio Lower Upper

95 100

174 90.3 0.0 200.2

176 86.7 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

800000

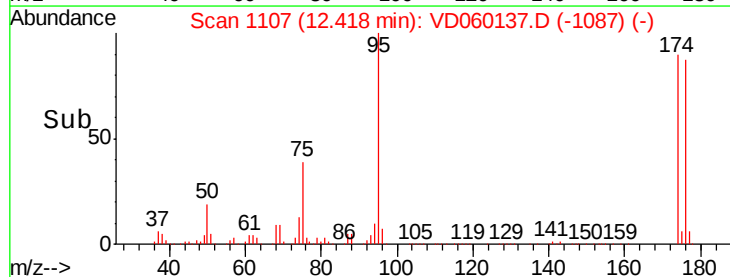
600000

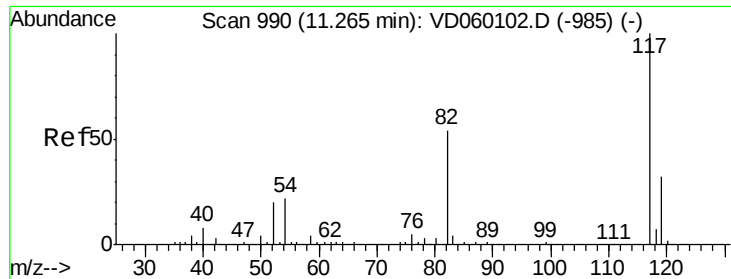
400000

200000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion:117 Resp: 1770480

Ion Ratio Lower Upper

117 100

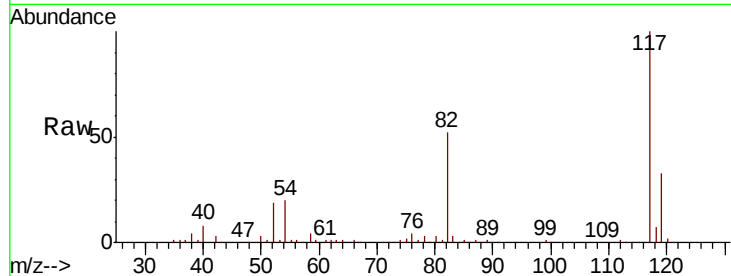
82 51.7 43.4 65.2

119 32.6 26.0 39.0

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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

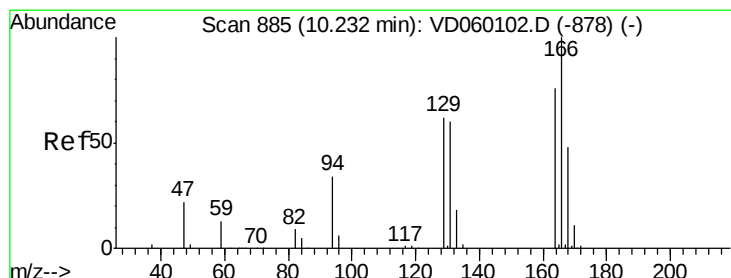
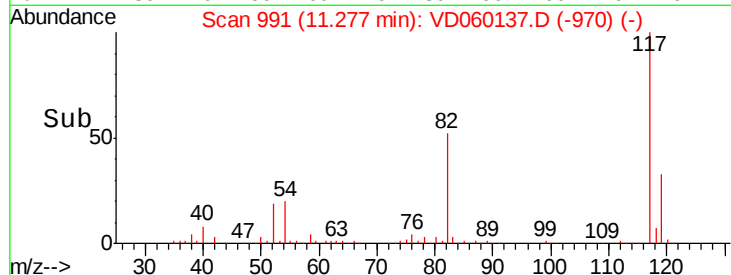
11.28

1000000

500000

0

Time-->



#64

Tetrachloroethene

Concen: 20.819 ug/l

RT: 10.24 min Scan# 886

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Tgt Ion:164 Resp: 322830

Ion Ratio Lower Upper

164 100

166 128.1 105.4 158.0

129 76.6 65.7 98.5

131 76.0 62.9 94.3

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

300000

250000

200000

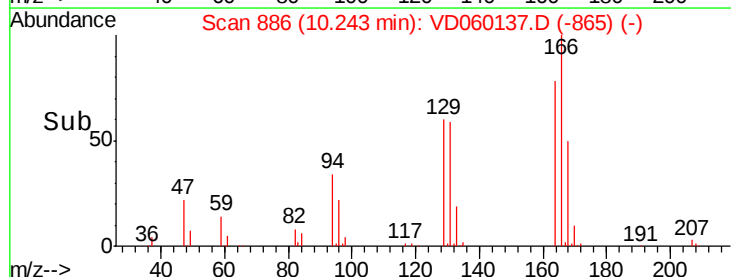
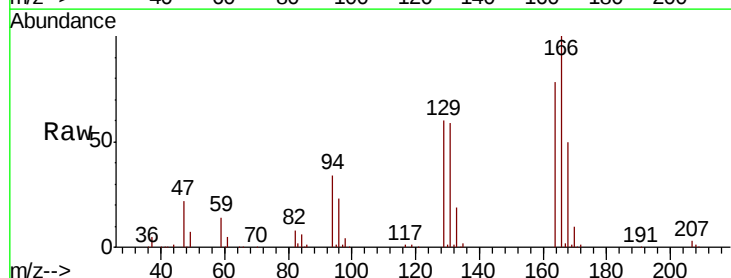
150000

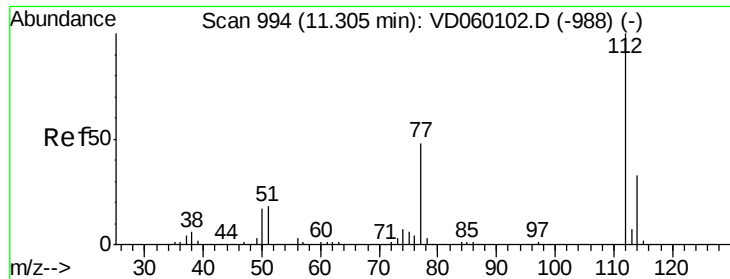
100000

50000

0

Time-->





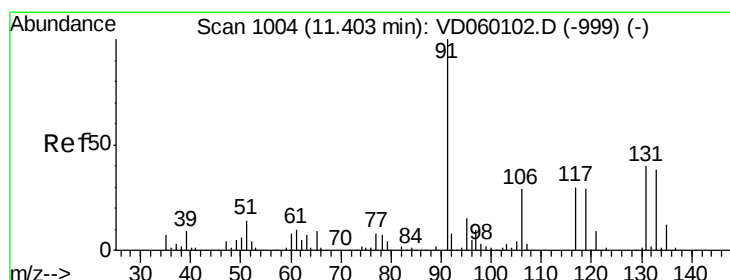
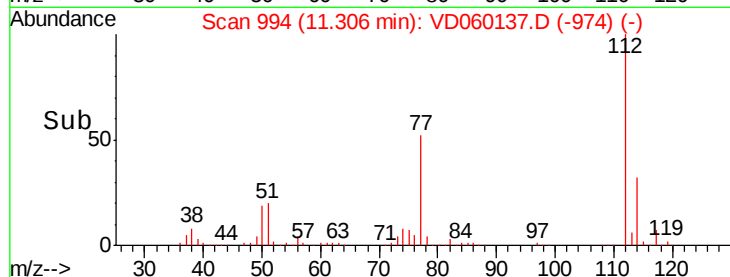
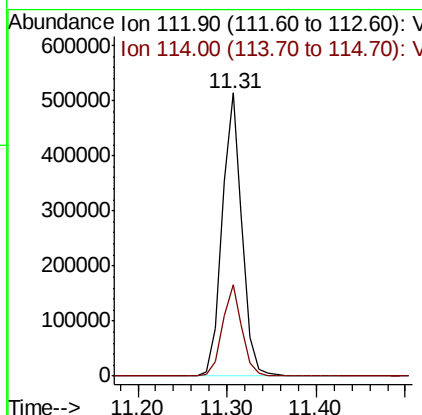
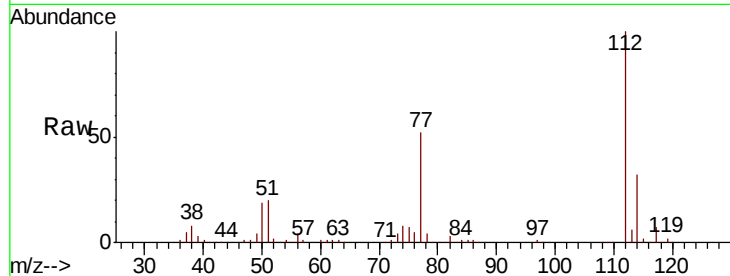
#65
Chlorobenzene
Concen: 20.885 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBSD01

Tot Ion:112 Resp: 799919
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

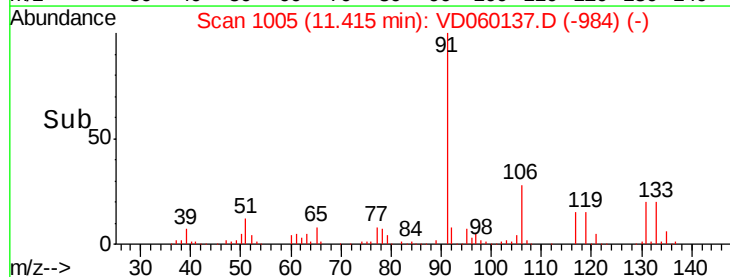
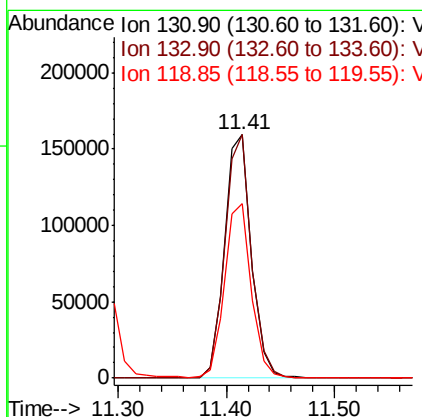
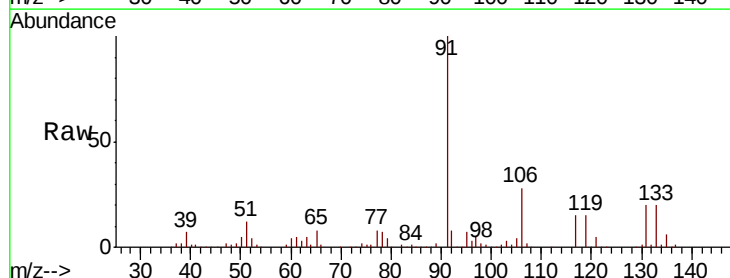
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.438 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion:131 Resp: 273925
Ion Ratio Lower Upper
131 100
133 99.9 47.4 142.3
119 71.8 36.1 108.3





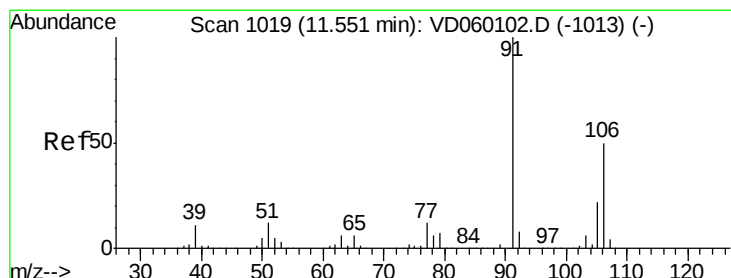
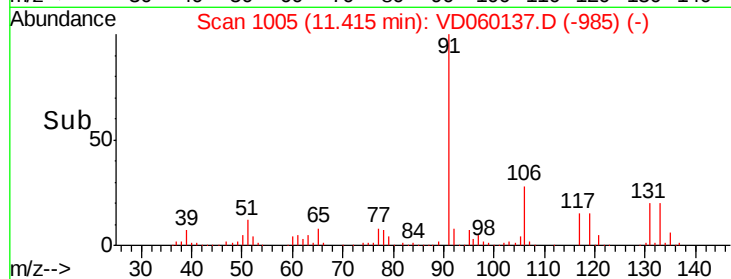
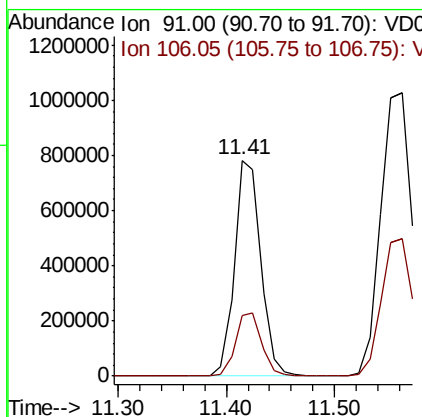
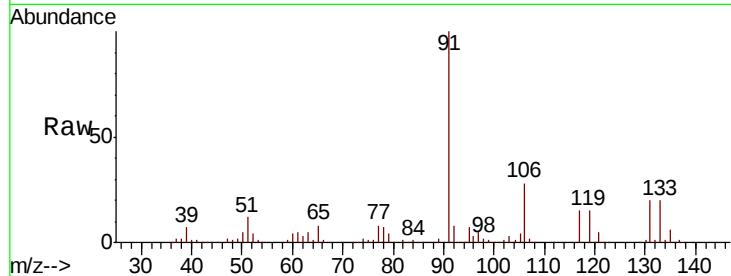
#67
Ethyl Benzene
Concen: 21.245 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion: 91 Resp: 1318408
Ion Ratio Lower Upper
91 100
106 27.9 24.4 36.6

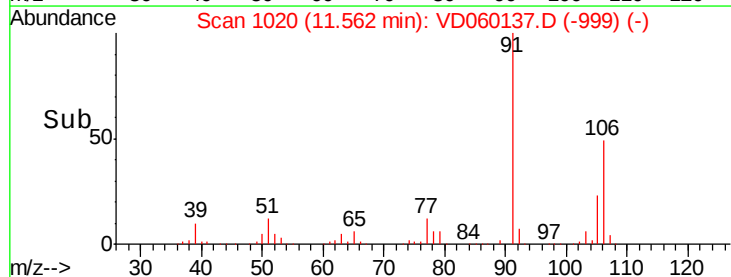
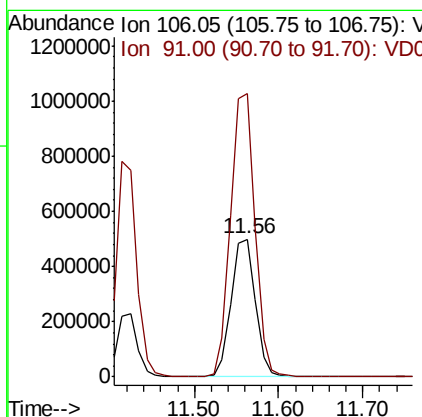
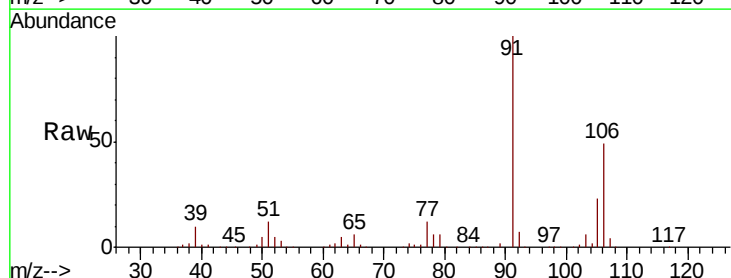
Manual Integrations
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#68
m/p-Xylenes
Concen: 43.025 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion: 106 Resp: 997600
Ion Ratio Lower Upper
106 100
91 205.6 160.0 240.0





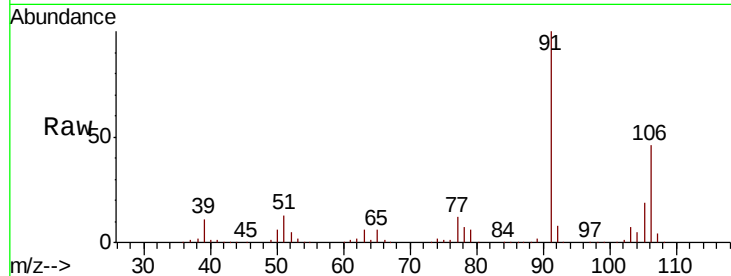
#69
o-Xylene
Concen: 21.152 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

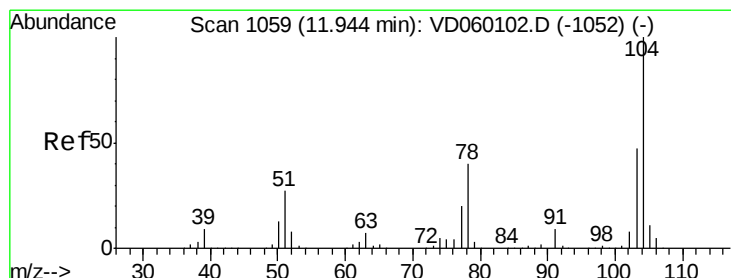
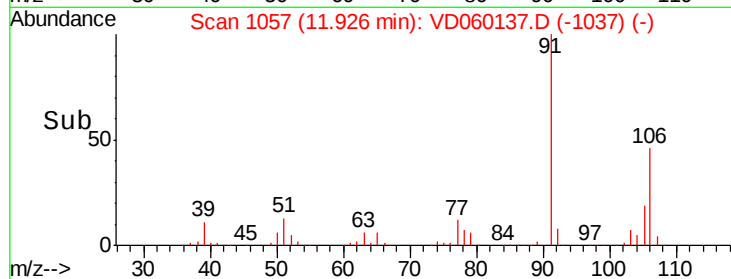
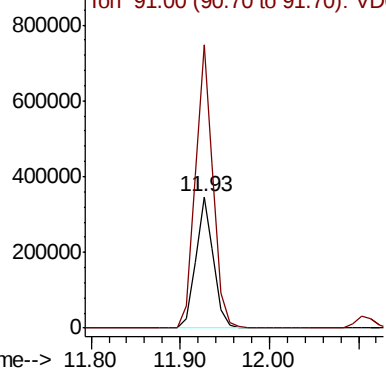
Tot Ion:106 Resp: 485121
Ion Ratio Lower Upper
106 100
91 215.5 102.5 307.5

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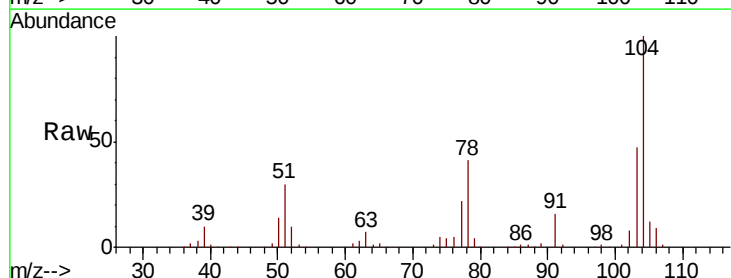


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

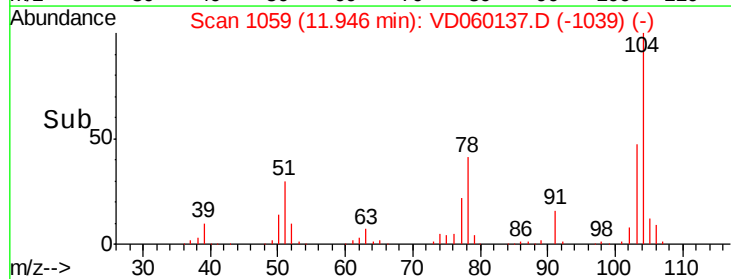
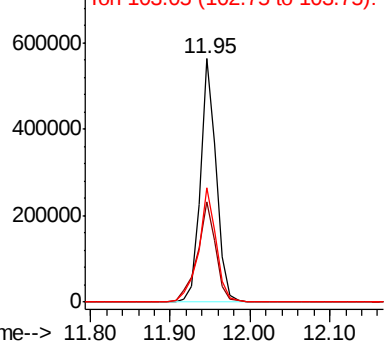


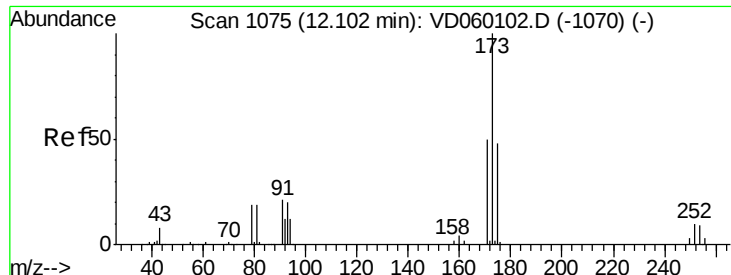
#70
Styrene
Concen: 20.570 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion:104 Resp: 788926
Ion Ratio Lower Upper
104 100
78 41.2 32.2 48.4
103 46.8 37.4 56.0



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: 20.764 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

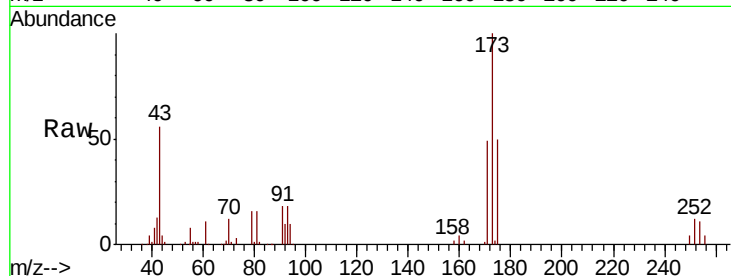
ClientSampleId :

VD1005SBS01

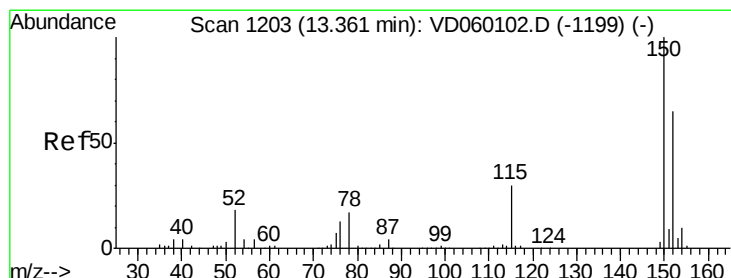
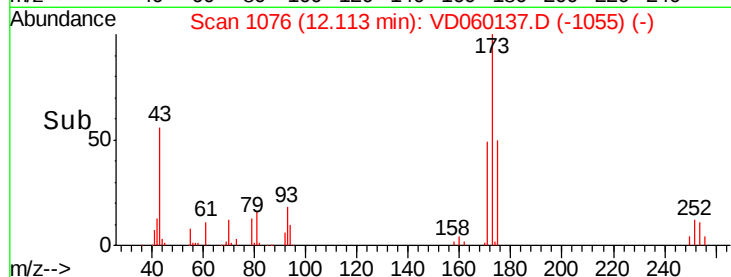
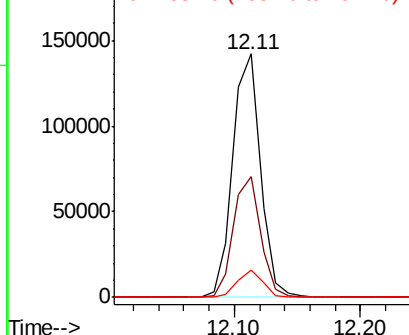
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.4
254	11.2	7.4	11.0

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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

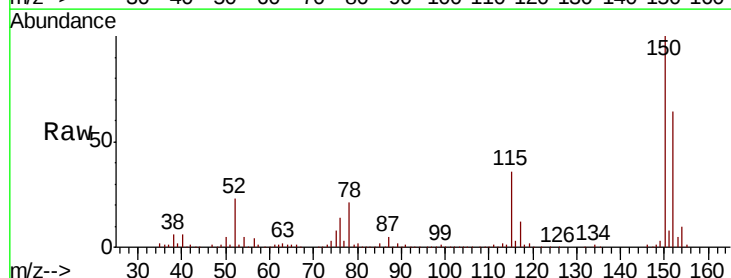
RT: 13.36 min Scan# 1203

Delta R.T. 0.00 min

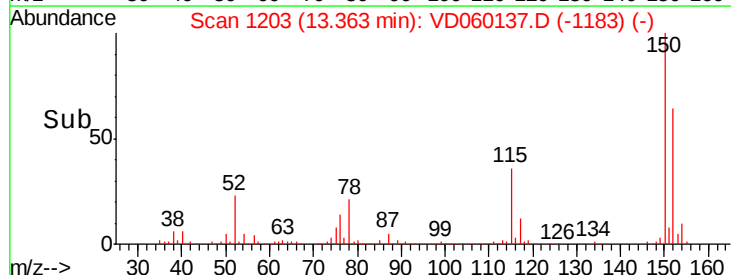
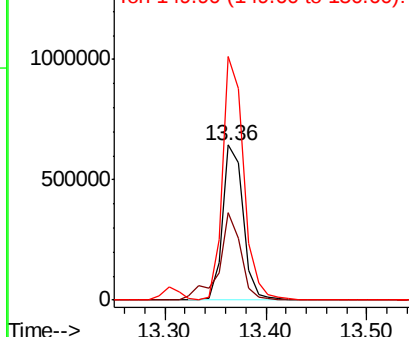
Lab File: VD060137.D

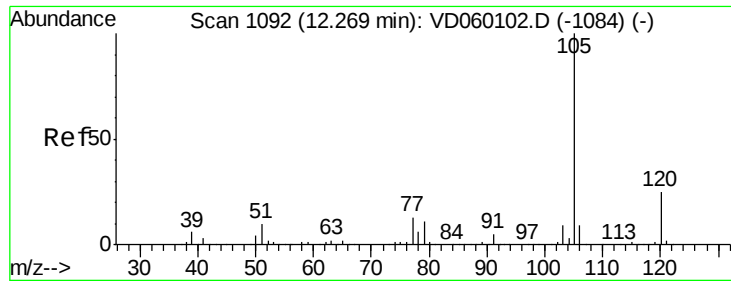
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.1	81.2
150	157.4	0.0	311.8



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: 21.080 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion:105 Resp: 1275686

Ion Ratio Lower Upper

105 100

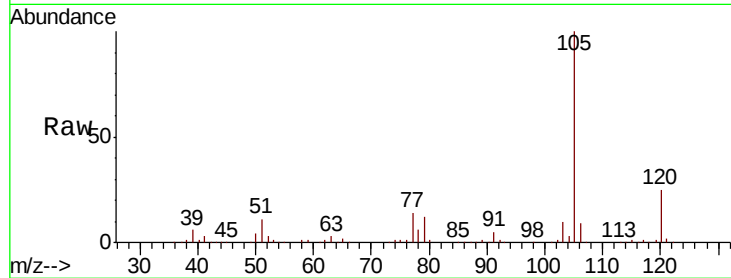
120 25.3 12.6 37.6

Manual Integrations

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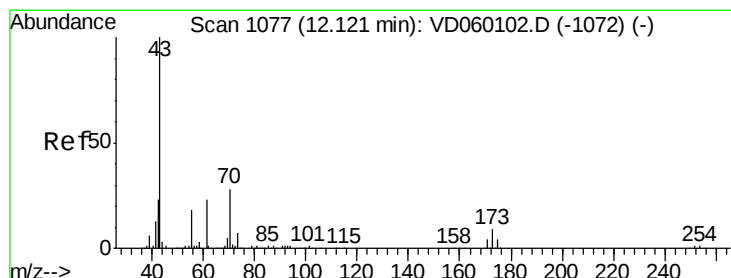
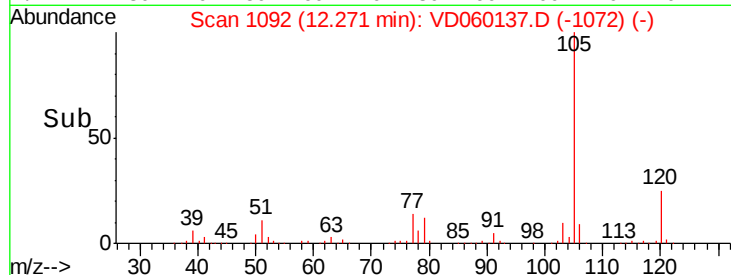
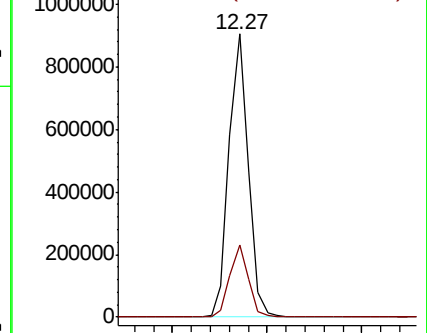
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.121 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Tgt Ion: 43 Resp: 490348

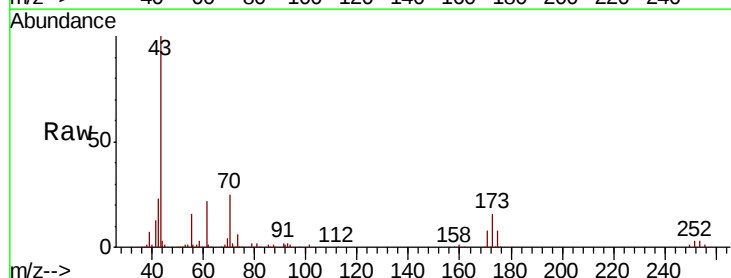
Ion Ratio Lower Upper

43 100

70 25.4 22.1 33.1

55 16.3 14.1 21.1

61 22.2 18.4 27.6

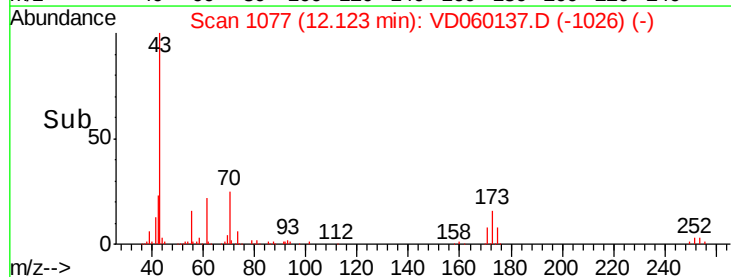
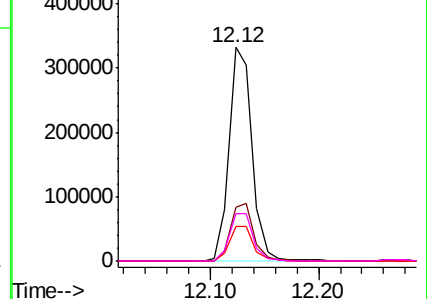


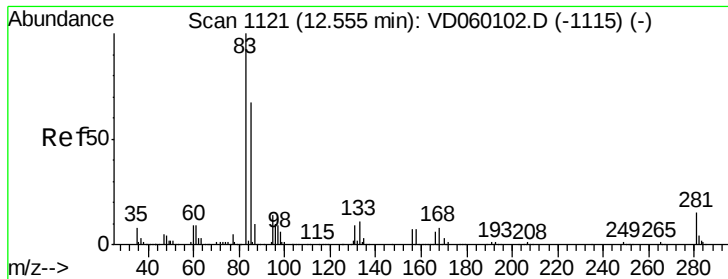
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.538 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

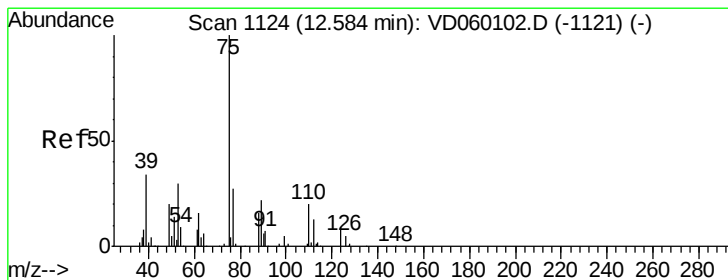
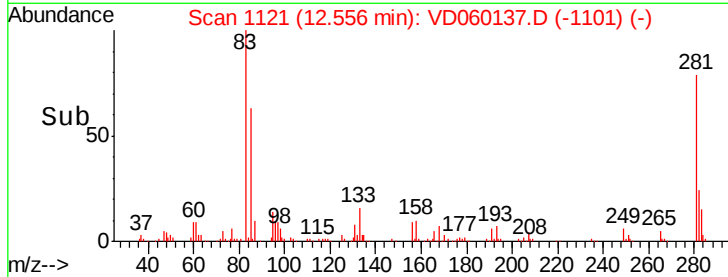
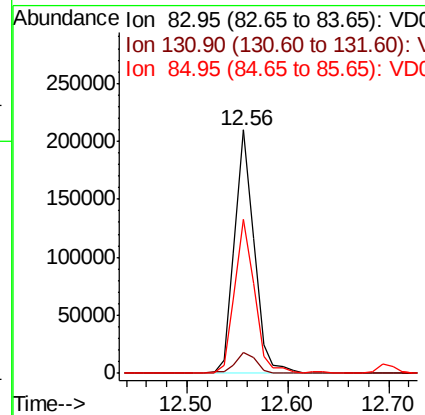
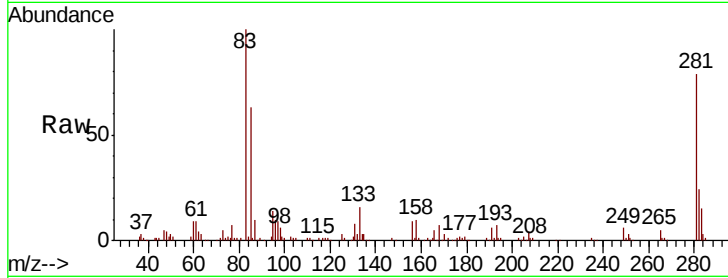
ClientSampleId :

VD1005SBS01

Tot Ion:	83	Resp:	284561
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.5	13.4
85	63.2	33.3	99.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.002 ug/l

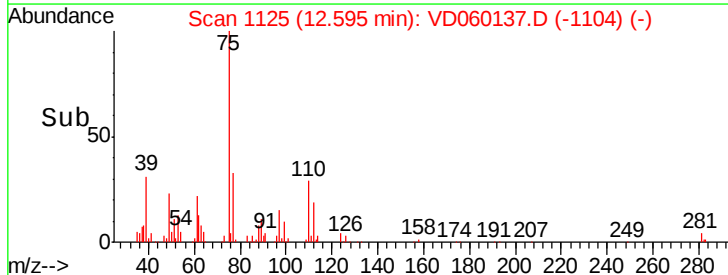
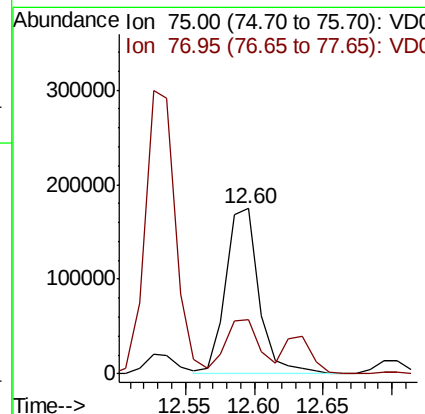
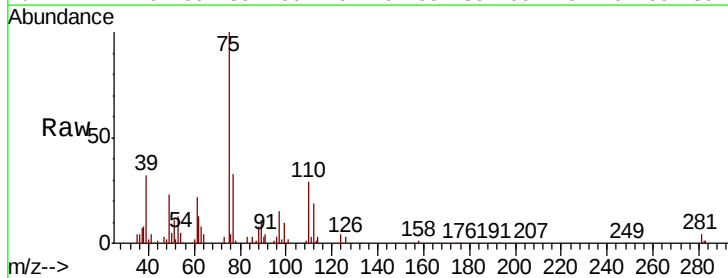
RT: 12.60 min Scan# 1125

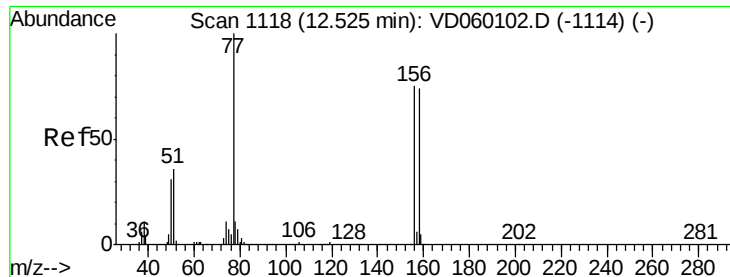
Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Tgt Ion:	75	Resp:	290654
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.3	48.9





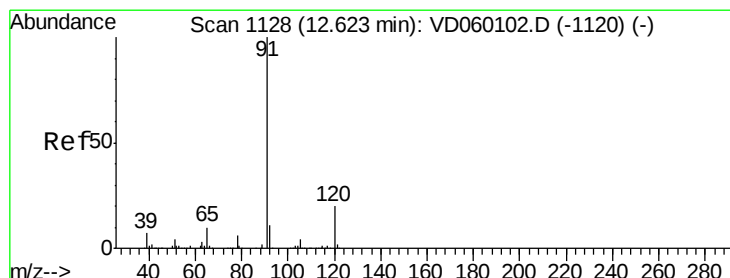
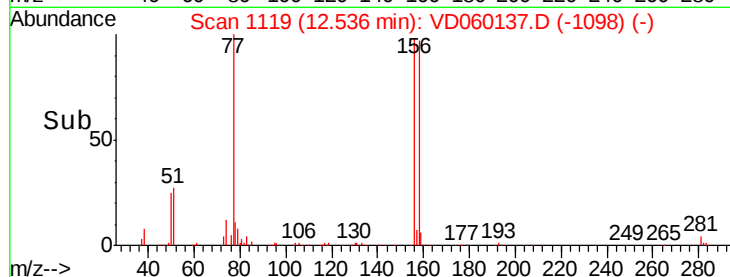
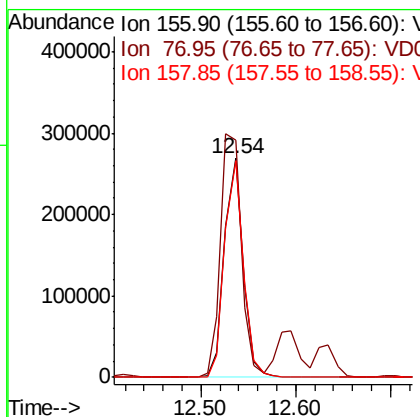
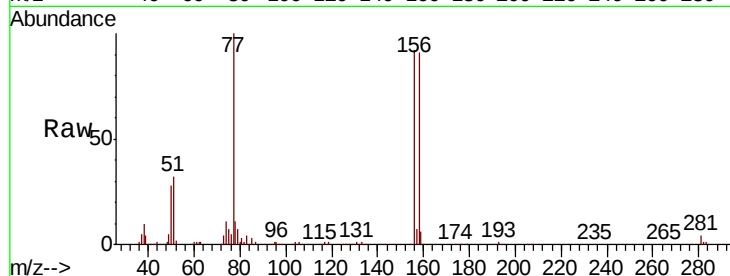
#77
Bromobenzene
Concen: 21.107 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	108.1	66.9	200.7
158	98.9	49.1	147.4

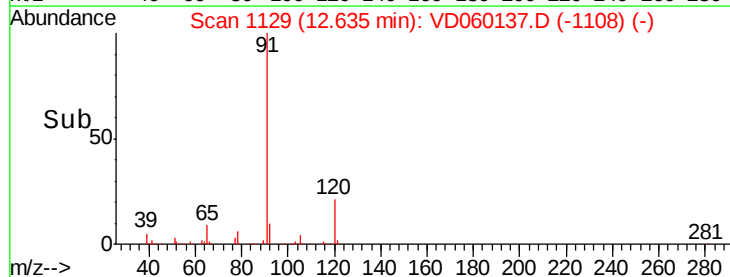
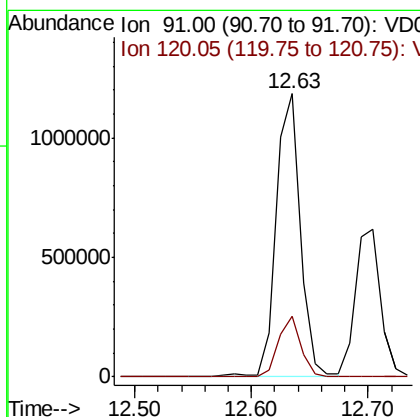
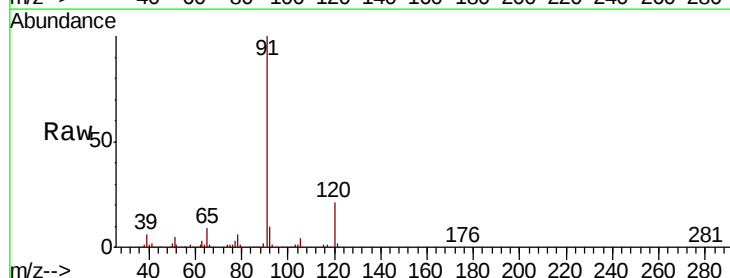
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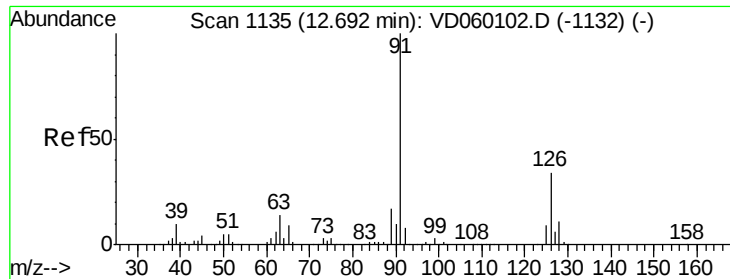
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#78
n-propylbenzene
Concen: 22.688 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.0	30.0





#79

2-Chlorotoluene

Concen: 22.267 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 91 Resp: 928685

Ion Ratio Lower Upper

91 100

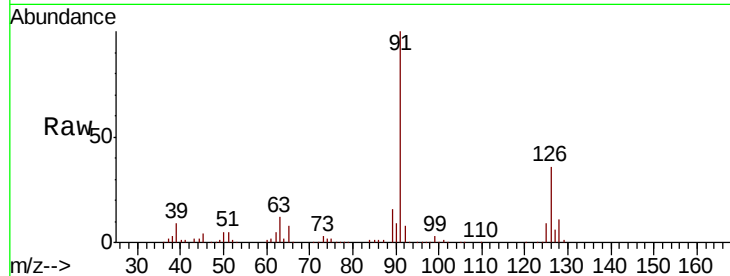
126 35.9 16.8 50.3

Manual Integrations

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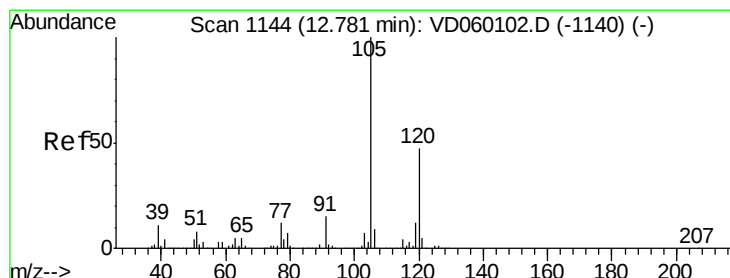
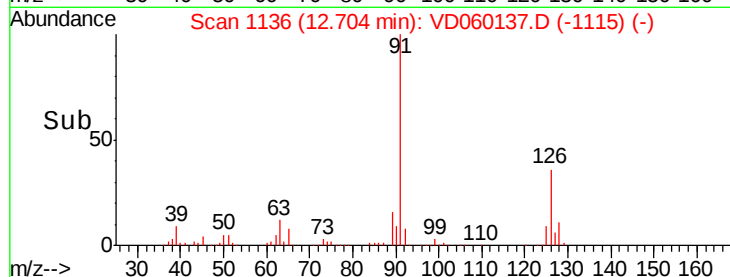
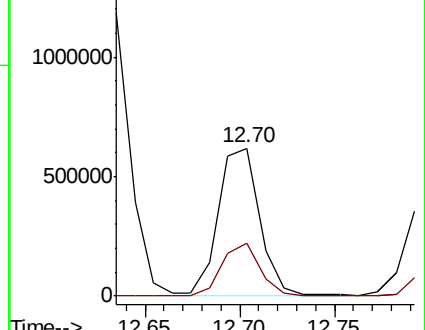
apatel

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.455 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060137.D

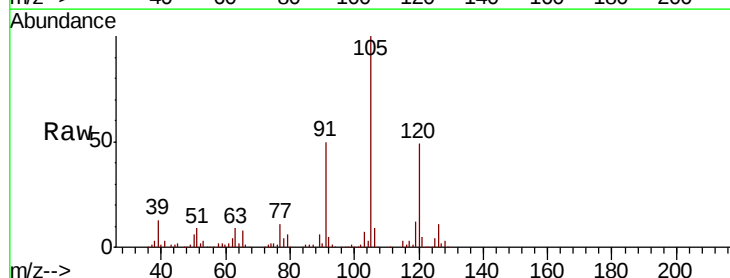
Acq: 5 Oct 2018 13:09

Tgt Ion:105 Resp: 1051759

Ion Ratio Lower Upper

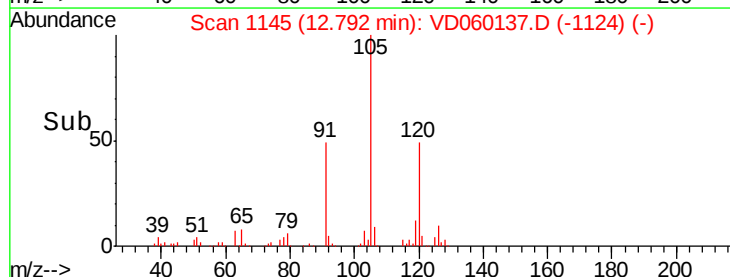
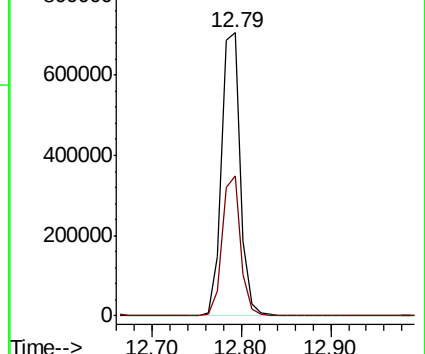
105 100

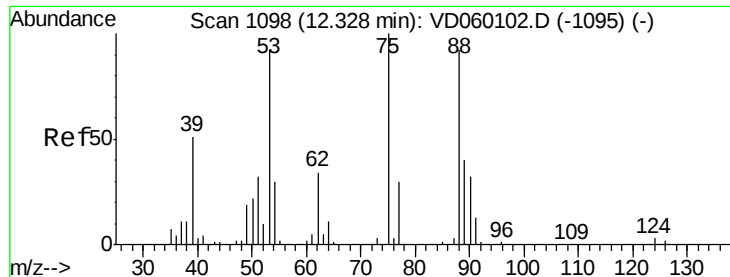
120 49.4 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.794 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 75 Resp: 80898

Ion Ratio Lower Upper

75 100

53 89.9 73.0 109.6

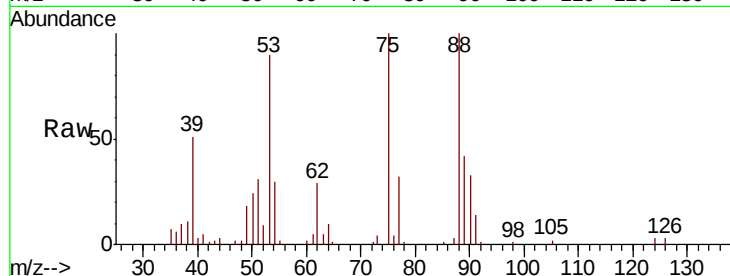
89 42.1 32.0 48.0

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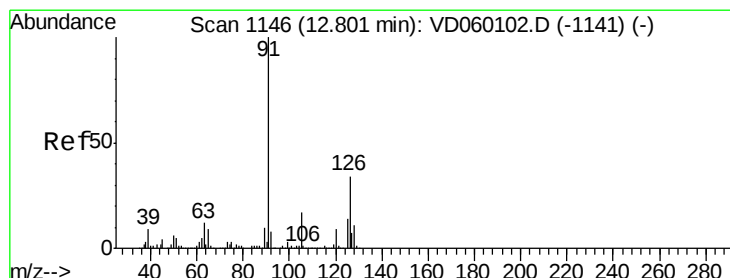
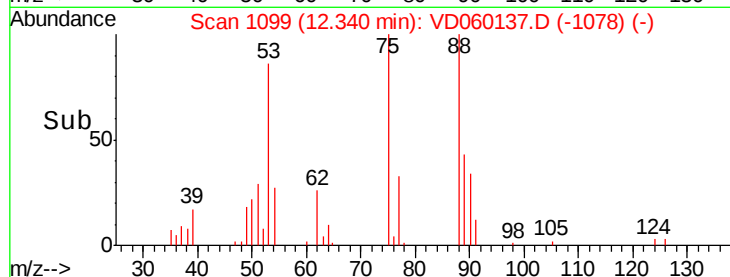
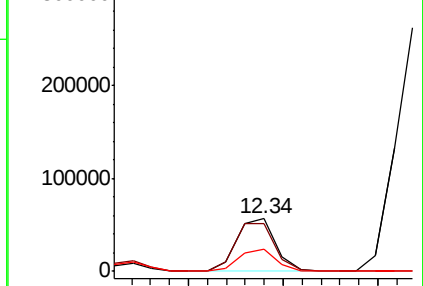
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.939 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060137.D

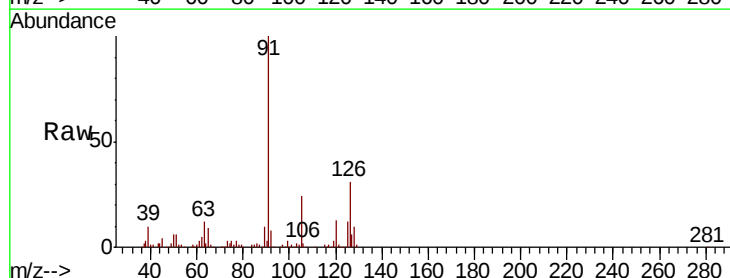
Acq: 5 Oct 2018 13:09

Tgt Ion: 91 Resp: 1082103

Ion Ratio Lower Upper

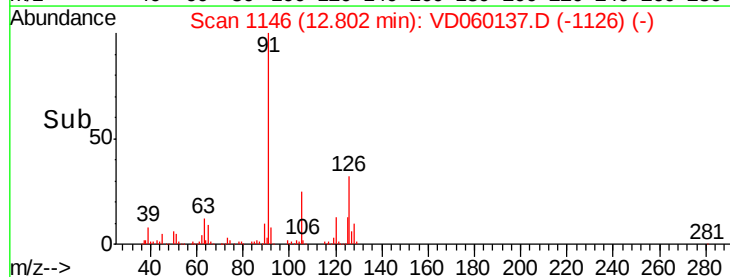
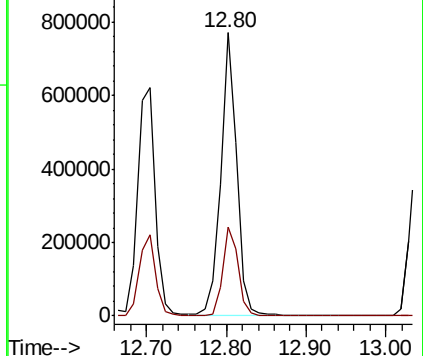
91 100

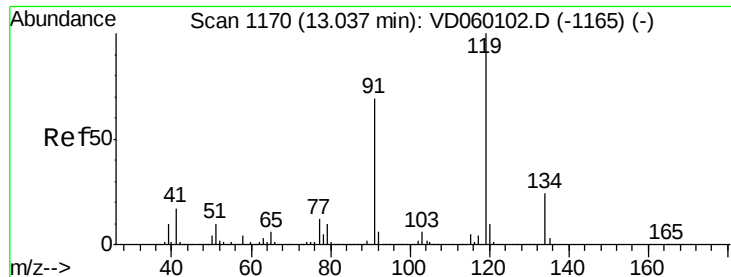
126 31.4 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





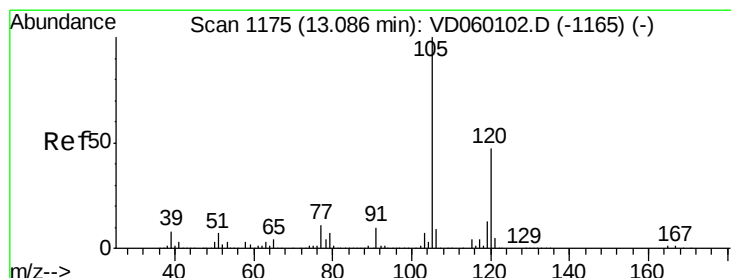
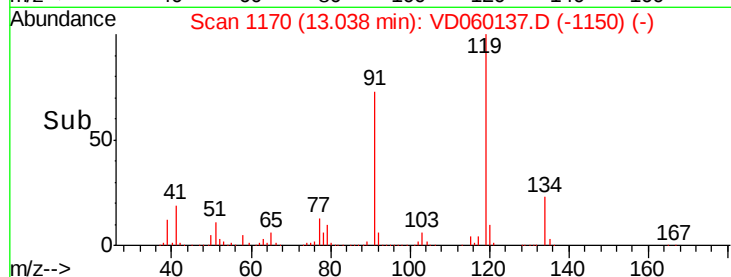
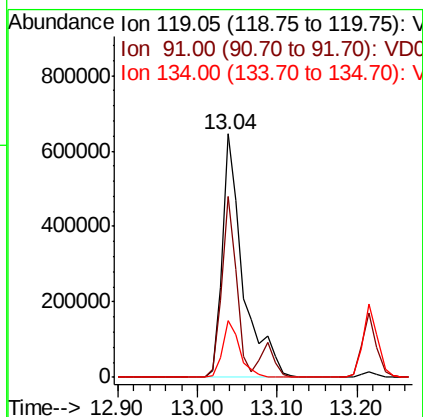
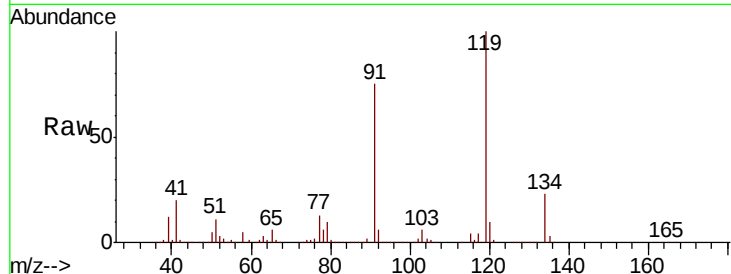
#83
tert-Butylbenzene
Concen: 22.008 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.5	34.8	104.4
134	23.3	11.8	35.4

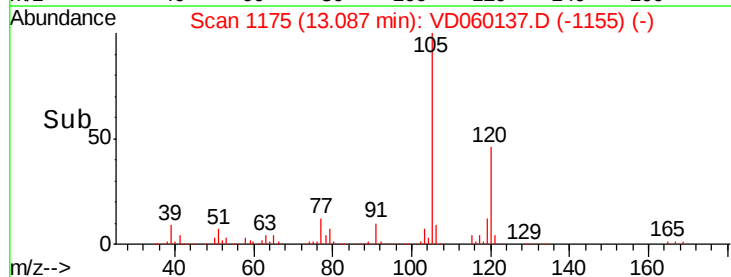
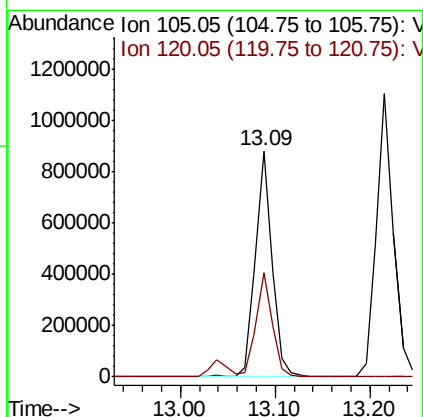
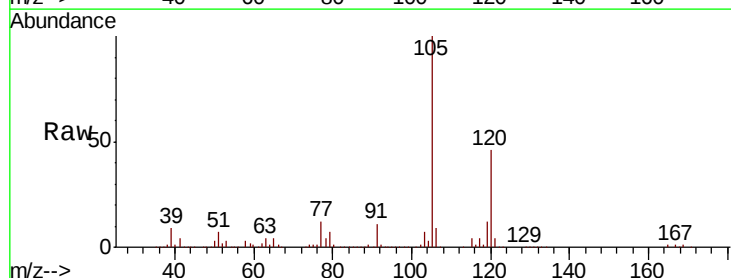
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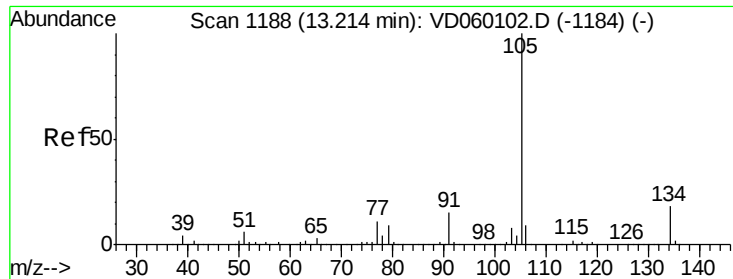
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#84
1,2,4-Trimethylbenzene
Concen: 21.874 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.4	70.0





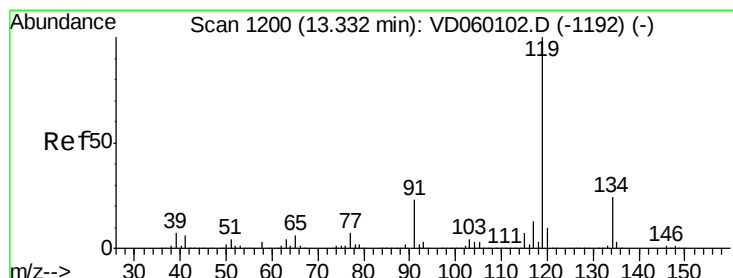
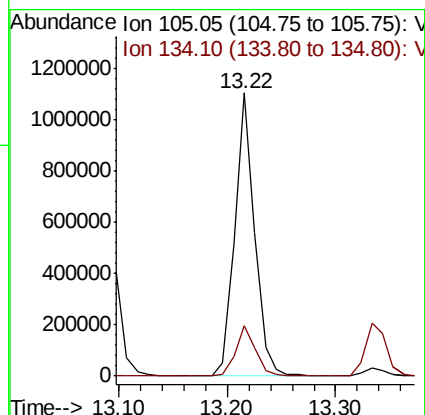
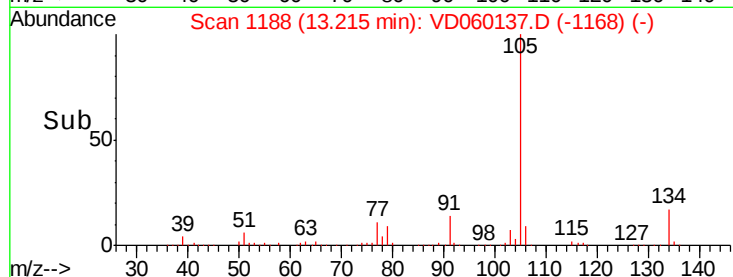
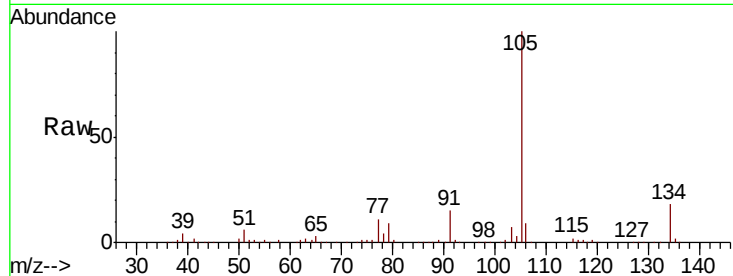
#85
 sec-Butylbenzene
 Concen: 22.157 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion:105 Resp: 1408118
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.8 26.2

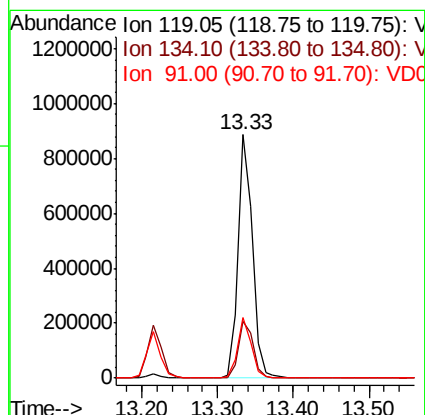
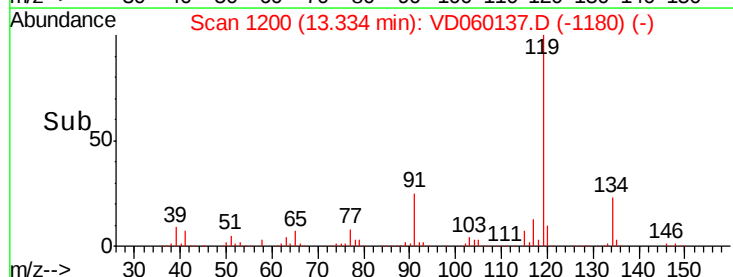
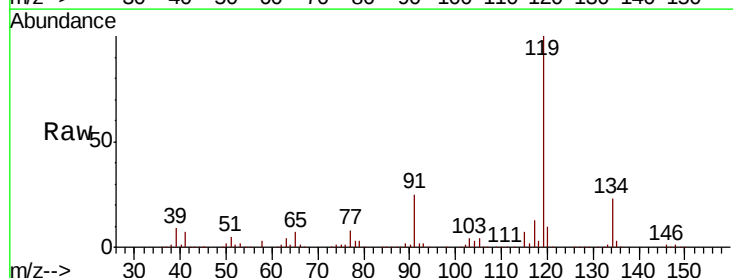
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#86
 p-Isopropyltoluene
 Concen: 21.743 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Tgt Ion:119 Resp: 1133346
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.3 36.8
 91 25.0 11.8 35.4





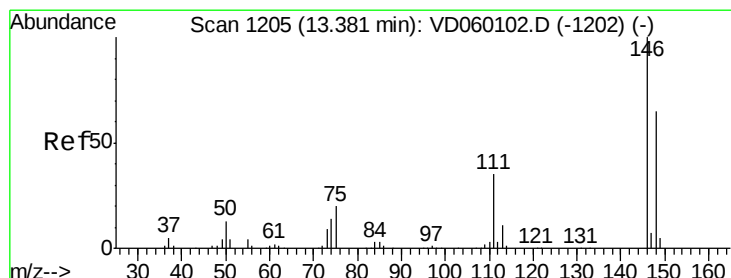
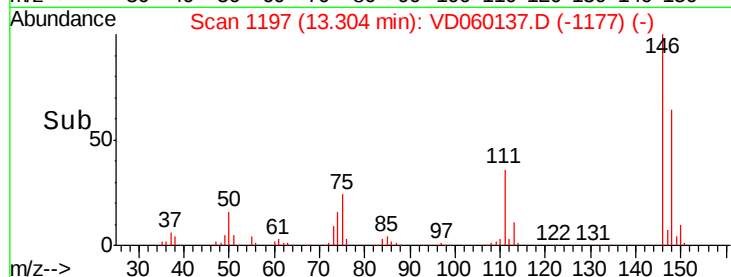
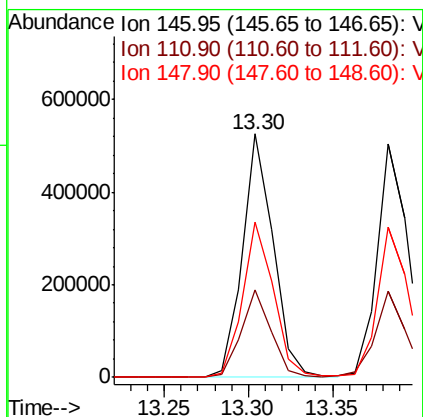
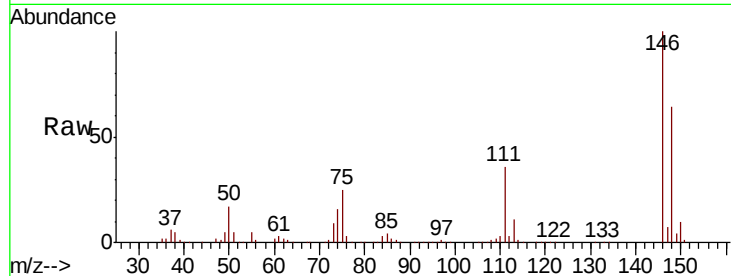
#87
 1,3-Dichlorobenzene
 Concen: 21.717 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.3
148	64.0	32.3	96.9

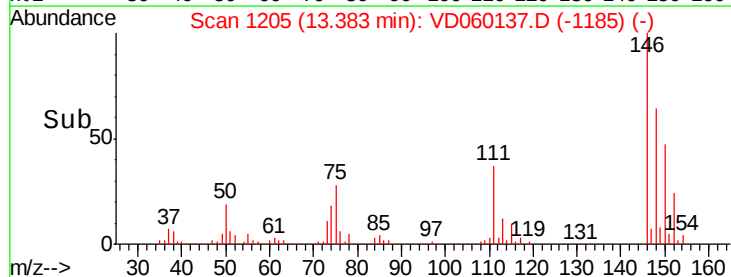
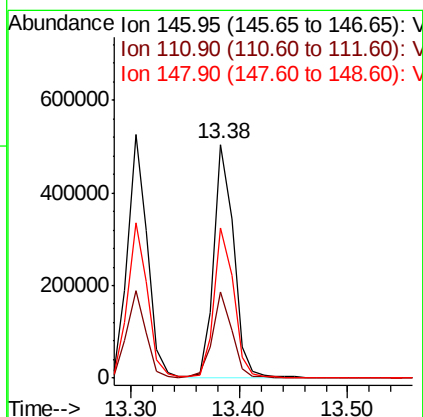
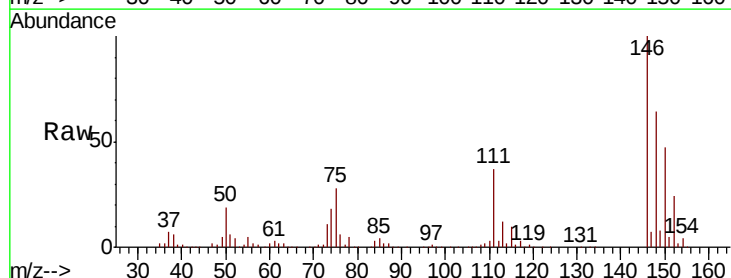
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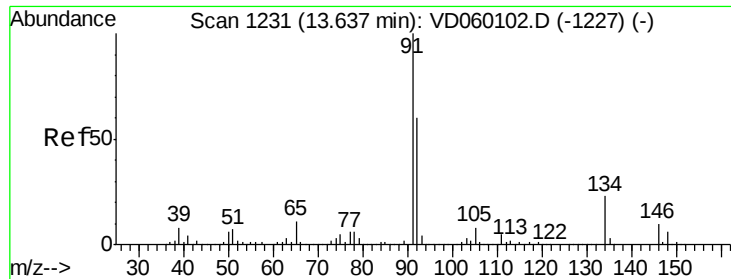
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#88
 1,4-Dichlorobenzene
 Concen: 21.003 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.8	53.3
148	64.2	32.4	97.2





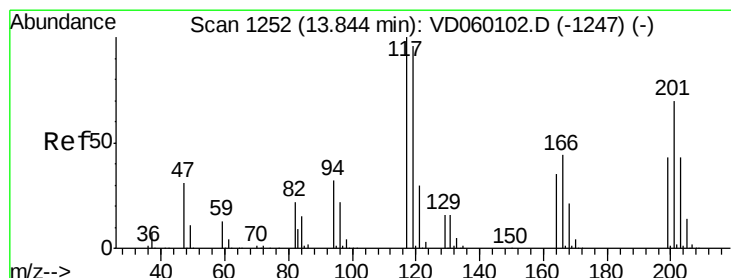
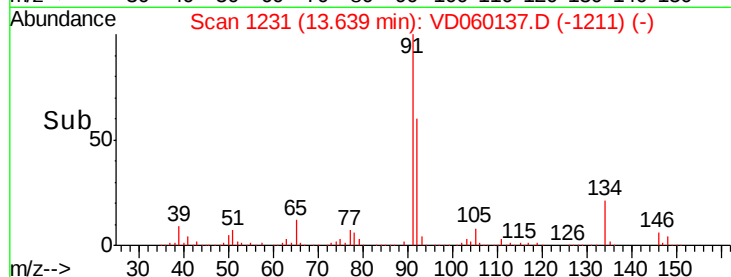
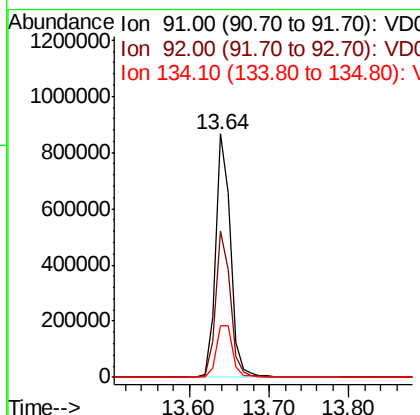
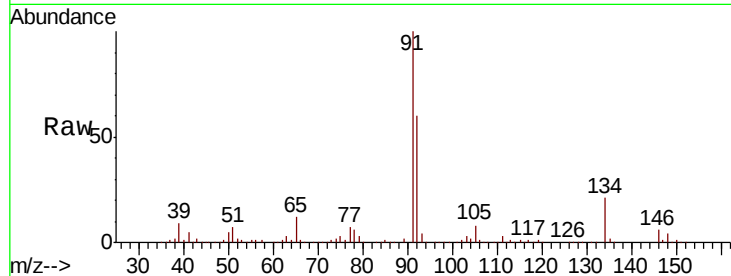
#89
n-Butylbenzene
Concen: 22.505 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion: 91 Resp: 1144636
Ion Ratio Lower Upper
91 100
92 60.3 30.1 90.3
134 21.2 11.6 34.7

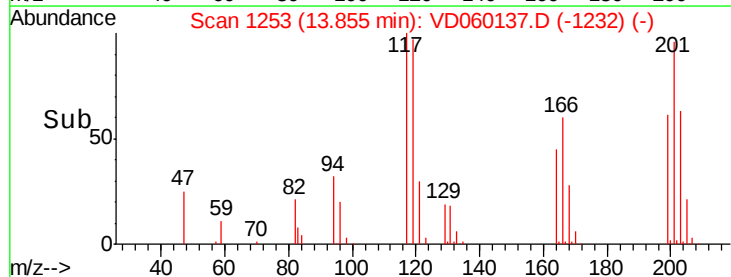
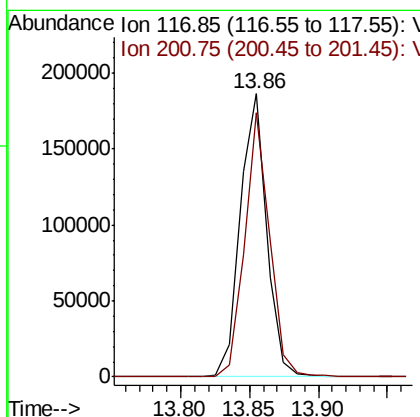
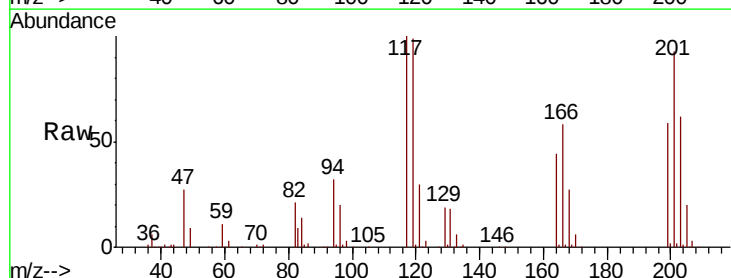
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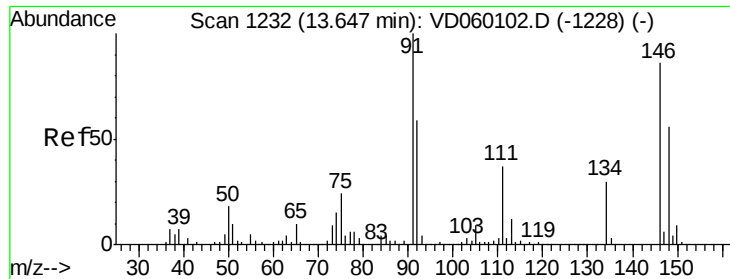
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#90
Hexachloroethane
Concen: 20.697 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060137.D
Acq: 5 Oct 2018 13:09

Tgt Ion: 117 Resp: 249675
Ion Ratio Lower Upper
117 100
201 93.4 34.8 104.5





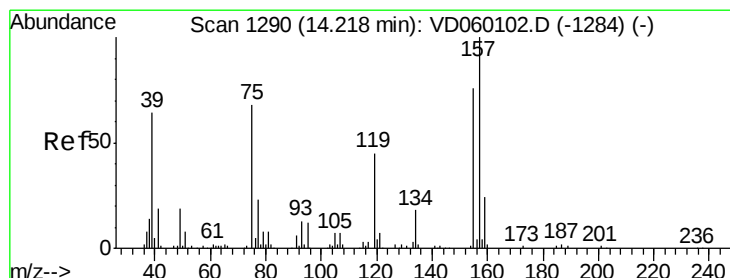
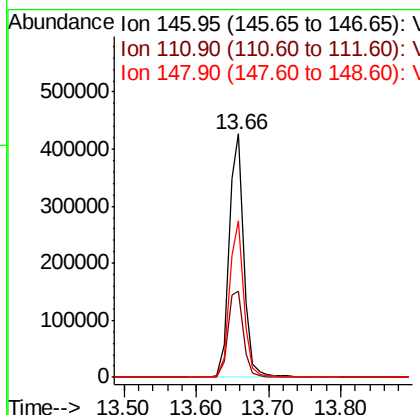
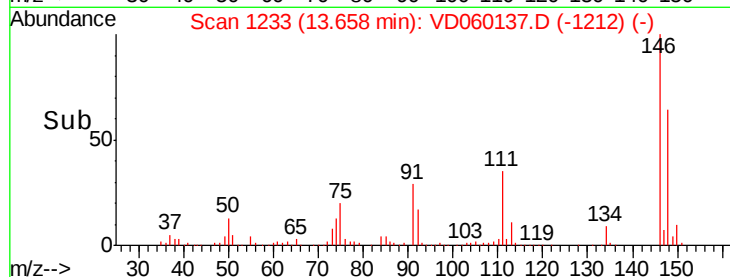
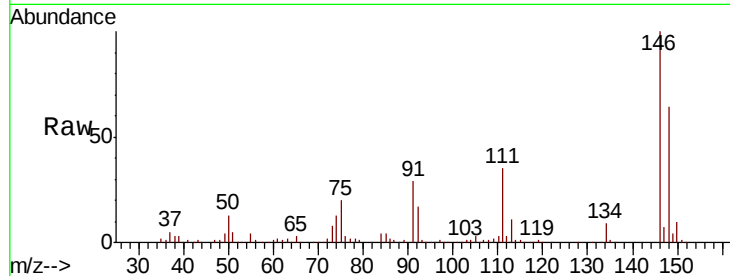
#91
 1,2-Dichlorobenzene
 Concen: 23.155 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	21.4	64.3
148	64.4	32.2	96.6

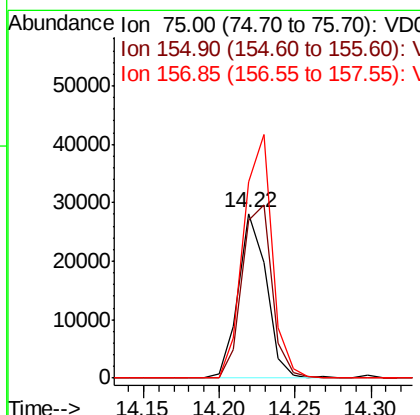
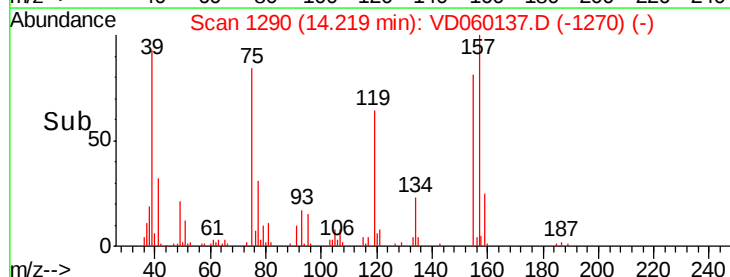
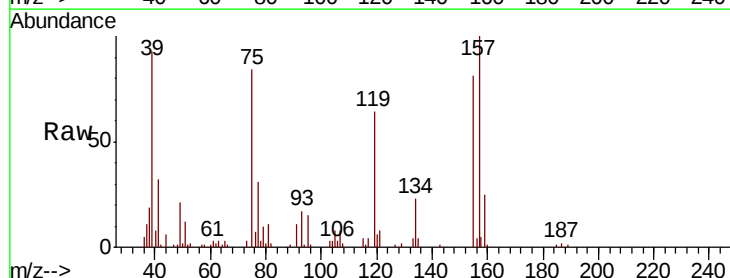
Manual Integrations
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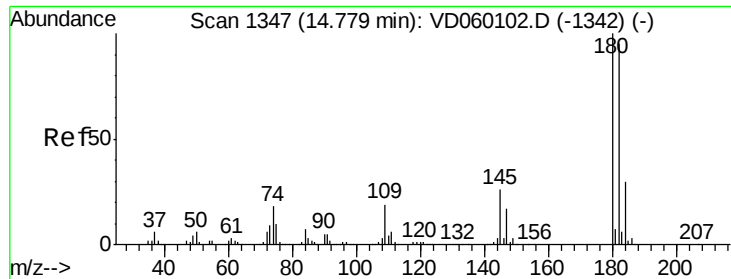
apatel
 10/8/2018 12:23:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.632 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	55.9	167.7
157	118.7	73.3	219.8





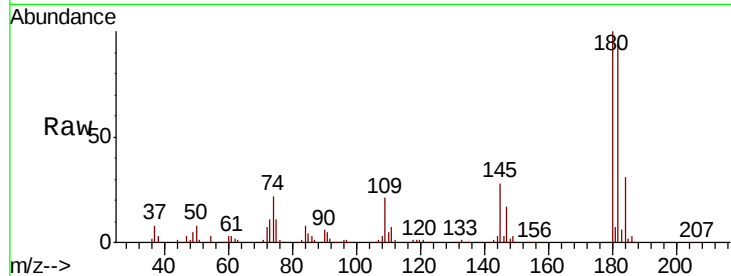
#93
 1,2,4-Trichlorobenzene
 Concen: 21.126 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

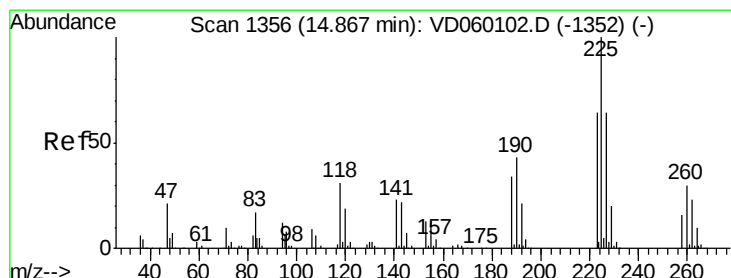
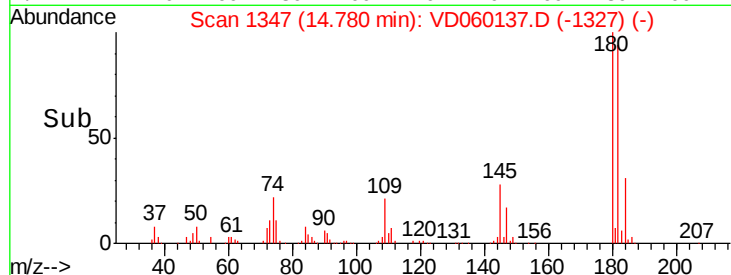
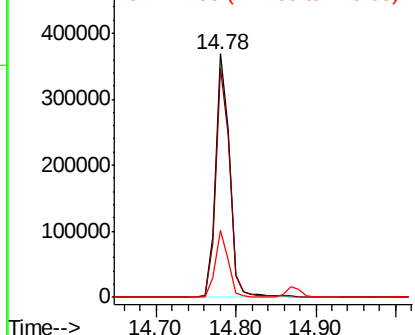
Tot Ion	Ratio	Resp	Lower	Upper
180	100	461965		
182	94.2	47.3	141.8	
145	27.6	13.0	38.9	

Manual Integrations
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apatel
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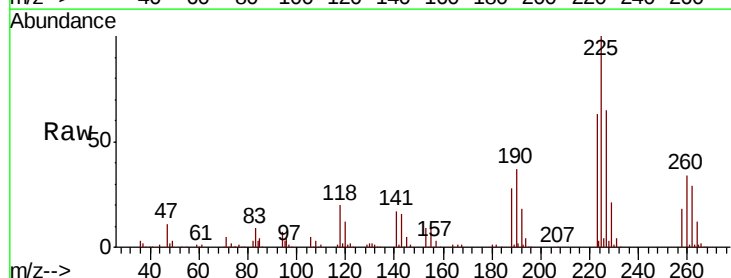


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

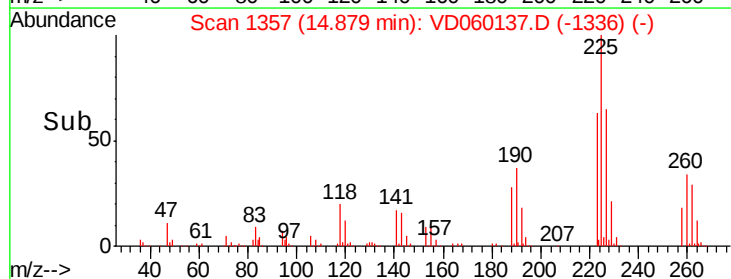
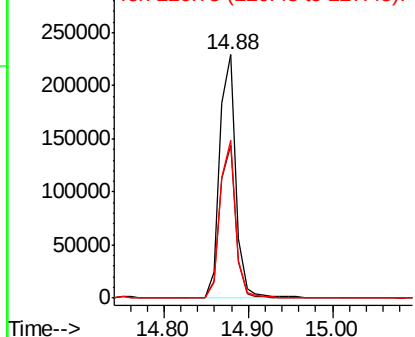


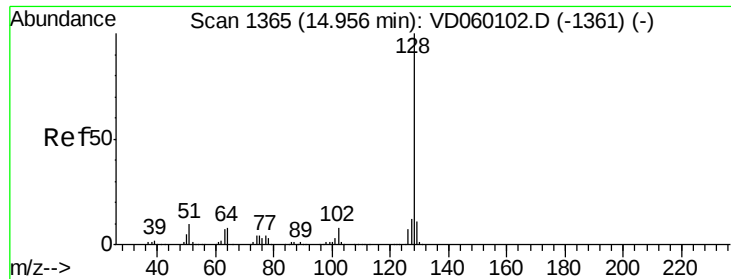
#94
 Hexachlorobutadiene
 Concen: 21.031 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060137.D
 Acq: 5 Oct 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	305692		
223	62.5	31.8	95.4	
227	64.7	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: 20.690 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Instrument :

MSVOA_D

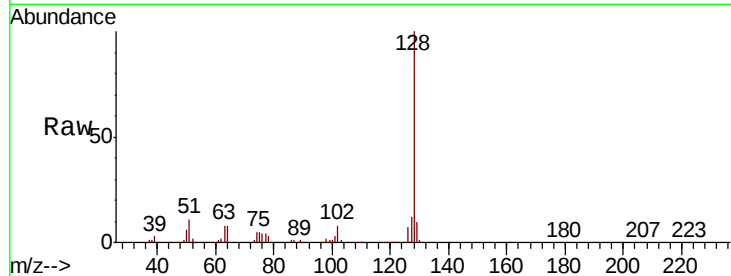
ClientSampleId :

VD1005SBS01

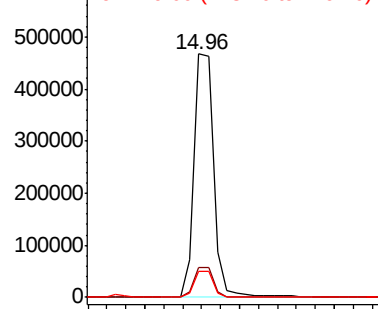
Tot Ion:	128	Resp:	670634
Ion Ratio	Lower	Upper	
128	100		
127	12.0	9.9	14.9
129	10.5	8.8	13.2

Manual Integrations
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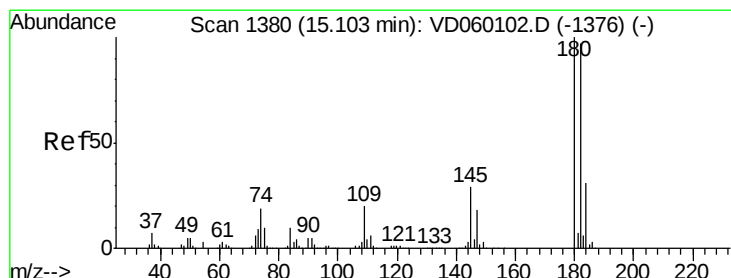
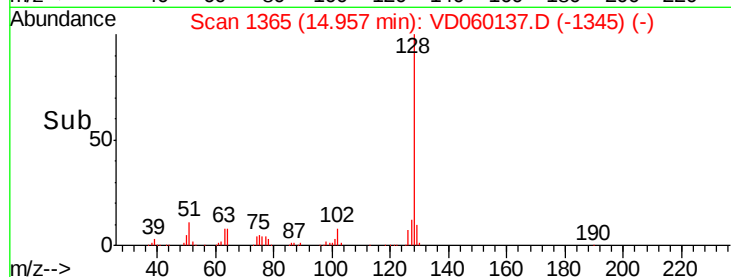
apatel
10/8/2018 12:23:00 PM



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.212 ug/l

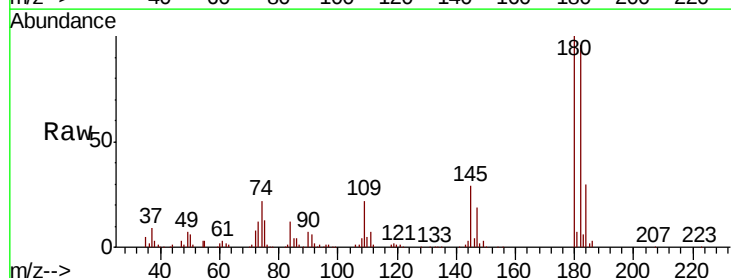
RT: 15.10 min Scan# 1380

Delta R.T. 0.00 min

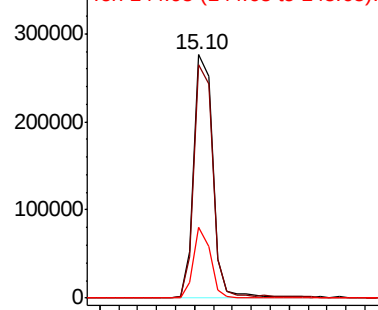
Lab File: VD060137.D

Acq: 5 Oct 2018 13:09

Tgt Ion:	180	Resp:	384484
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.4	145.0
145	29.1	14.5	43.6



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



Time-->

