

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122218\
 Data File : VD060702.D
 Acq On : 22 Dec 2018 12:10
 Operator : VA/AP
 Sample : VD1222SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:04:11 AM

Quant Time: Dec 24 02:30:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1598842	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	2210675	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	1762609	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	880363	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.82	65	591138	53.50	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	6.36	113	835315	51.62	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	9.48	98	2409942	49.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.44	95	861596	50.96	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.62	85	345576	16.916	ug/l	97
3) Chloromethane	1.78	50	341410	18.159	ug/l	99
4) Vinyl Chloride	1.88	62	269531	18.056	ug/l	97
5) Bromomethane	2.18	94	43601	13.040	ug/l	98
6) Chloroethane	2.29	64	75182	16.877	ug/l	98
7) Trichlorofluoromethane	2.54	101	299504	18.039	ug/l	100
8) Diethyl Ether	2.86	74	52549	18.917	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.12	101	211386	19.628	ug/l	100
10) Methyl Iodide	3.28	142	201303	17.785	ug/l	96
11) Tert butyl alcohol	4.00	59	33776	73.145	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	167227	18.897	ug/l	92
13) Acrolein	3.01	56	46422	98.652	ug/l	99
14) Allyl chloride	3.57	41	288270	17.753	ug/l	97
15) Acrylonitrile	4.13	53	235461	87.831	ug/l	96
16) Acetone	3.19	43	167796	86.960	ug/l	98
17) Carbon Disulfide	3.35	76	488244	17.276	ug/l	96
18) Methyl Acetate	3.59	43	88073	18.417	ug/l	99
19) Methyl tert-butyl Ether	4.16	73	404684	18.025	ug/l	98
20) Methylene Chloride	3.75	84	323605	16.149	ug/l	99
21) trans-1,2-Dichloroethene	4.14	96	320090	17.662	ug/l	96
22) Diisopropyl ether	4.89	45	1016710	18.442	ug/l	98
23) Vinyl Acetate	4.83	43	2435501	91.310	ug/l	98
24) 1,1-Dichloroethane	4.80	63	528347	18.220	ug/l	100
25) 2-Butanone	5.65	43	322820	87.429	ug/l	99
26) 2,2-Dichloropropane	5.62	77	419445	18.324	ug/l	97
27) cis-1,2-Dichloroethene	5.63	96	330749	17.979	ug/l	98
28) Bromochloromethane	5.96	49	209889	17.133	ug/l	96
29) Tetrahydrofuran	5.99	42	179914	85.951	ug/l	99
30) Chloroform	6.13	83	526653	18.049	ug/l	99
31) Cyclohexane	6.40	56	495561	17.758	ug/l	99
32) 1,1,1-Trichloroethane	6.33	97	437042	18.104	ug/l	98
36) 1,1-Dichloropropene	6.56	75	412616	18.126	ug/l	99
37) Ethyl Acetate	5.73	43	165218	17.354	ug/l	98
38) Carbon Tetrachloride	6.54	117	364804	18.165	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	474377	18.272	ug/l	99
40) Benzene	6.82	78	1052604	17.901	ug/l	98
41) Methacrylonitrile	5.96	41	93249m	17.707	ug/l	
42) 1,2-Dichloroethane	6.93	62	257190	17.626	ug/l	98
43) Isopropyl Acetate	8.38	43	212398	17.385	ug/l #	100
44) Trichloroethene	7.77	130	313208	17.997	ug/l	94
45) 1,2-Dichloropropane	8.13	63	248696	17.246	ug/l	94
46) Dibromomethane	8.25	93	146812	17.838	ug/l	93
47) Bromodichloromethane	8.52	83	356877	18.308	ug/l	98
48) Methyl methacrylate	8.28	41	124378	16.762	ug/l	97
49) 1,4-Dioxane	8.26	88	23258	337.100	ug/l	95
51) 4-Methyl-2-Pentanone	9.37	43	657610	87.854	ug/l	98
52) Toluene	9.58	92	667115	18.098	ug/l	98
53) t-1,3-Dichloropropene	9.94	75	284230	17.477	ug/l	97
54) cis-1,3-Dichloropropene	9.14	75	378420	17.778	ug/l	99
55) 1,1,2-Trichloroethane	10.21	97	176081	17.754	ug/l	98
56) Ethyl methacrylate	10.06	69	157892	17.140	ug/l	99
57) 1,3-Dichloropropane	10.40	76	280881	17.867	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.95	63	524257	96.584	ug/l	96
59) 2-Hexanone	10.51	43	459107	87.626	ug/l	99
60) Dibromochloromethane	10.66	129	219830	17.401	ug/l	97
61) 1,2-Dibromoethane	10.78	107	178523	17.354	ug/l	100
64) Tetrachloroethene	10.28	164	295503	18.497	ug/l	99
65) Chlorobenzene	11.34	112	702383	18.036	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	234078	18.695	ug/l	97
67) Ethyl Benzene	11.45	91	1272119	19.074	ug/l	99
68) m/p-Xylenes	11.59	106	936873	38.439	ug/l	98
69) o-Xylene	11.95	106	438702	18.972	ug/l	89
70) Styrene	11.98	104	696465	18.701	ug/l	99
71) Bromoform	12.14	173	142021	17.183	ug/l	97
73) Isopropylbenzene	12.29	105	1216258	19.404	ug/l	99
74) N-amyl acetate	12.15	43	267354	18.073	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	192914	18.988	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	186093	18.567	ug/l	99
77) Bromobenzene	12.56	156	316121	19.103	ug/l	95
78) n-propylbenzene	12.66	91	1585402	19.785	ug/l	100
79) 2-Chlorotoluene	12.73	91	828782	19.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	949529	19.618	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.36	75	46798	16.897	ug/l	97
82) 4-Chlorotoluene	12.83	91	940667	19.336	ug/l	95
83) tert-Butylbenzene	13.06	119	1055484	19.161	ug/l	93
84) 1,2,4-Trimethylbenzene	13.11	105	947138	19.000	ug/l	99
85) sec-Butylbenzene	13.24	105	1311892	19.529	ug/l	97
86) p-Isopropyltoluene	13.36	119	1055929	19.473	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	592593	19.507	ug/l	97
88) 1,4-Dichlorobenzene	13.41	146	560930	18.738	ug/l	97
89) n-Butylbenzene	13.66	91	1131130	20.413	ug/l	97
90) Hexachloroethane	13.88	117	254202	19.082	ug/l	89
91) 1,2-Dichlorobenzene	13.68	146	488505	20.046	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20890	17.502	ug/l	74

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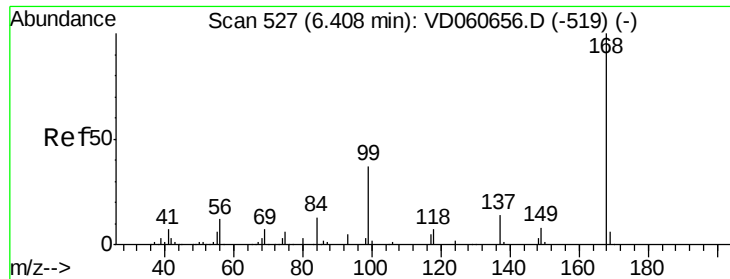
Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:04:11 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	355384	18.327	ug/l	98
94) Hexachlorobutadiene	14.89	225	268125	18.707	ug/l	98
95) Naphthalene	14.98	128	410070	17.793	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	275813	18.196	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion:168 Resp: 1598842

Ion Ratio Lower Upper

168 100

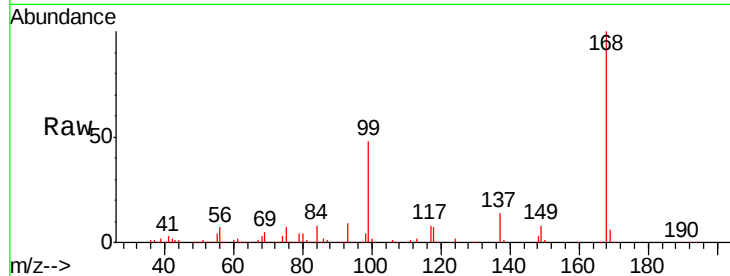
99 48.5 38.7 58.1

Manual Integrations

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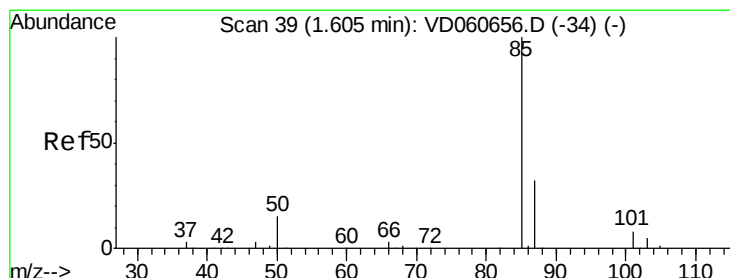
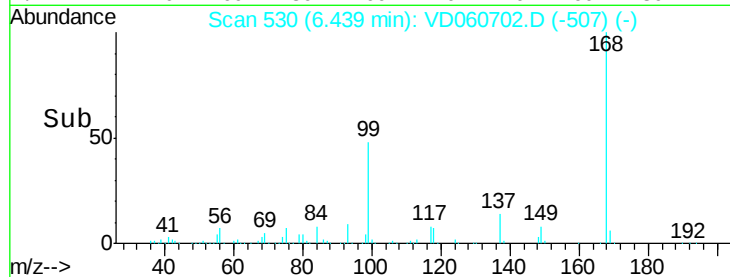
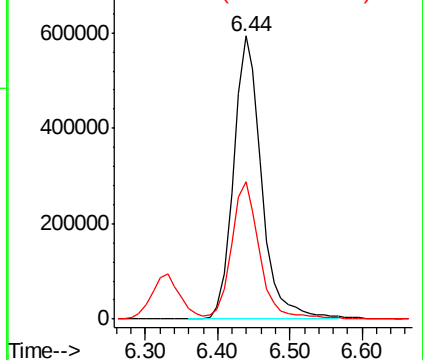
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.916 ug/l

RT: 1.62 min Scan# 40

Delta R.T. 0.01 min

Lab File: VD060702.D

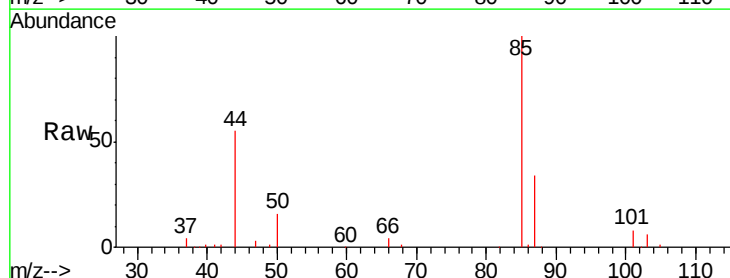
Acq: 22 Dec 2018 12:10

Tgt Ion: 85 Resp: 345576

Ion Ratio Lower Upper

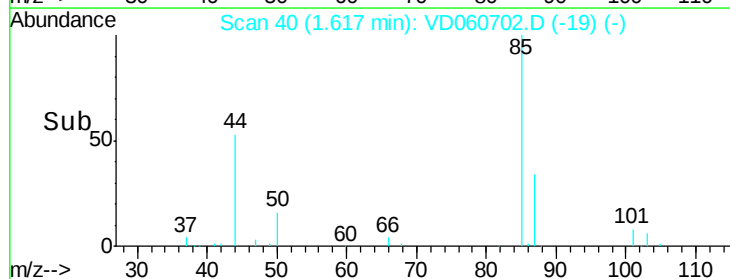
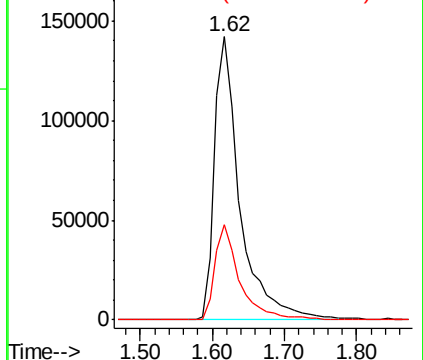
85 100

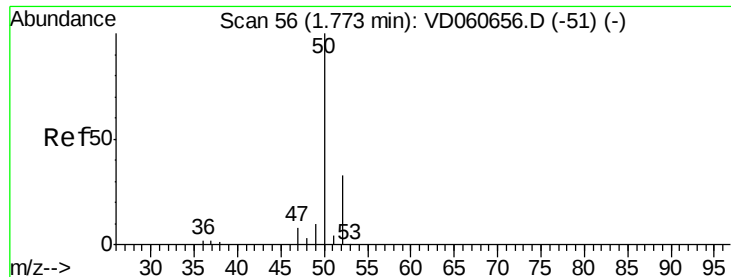
87 33.5 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.159 ug/l

RT: 1.78 min Scan# 57

Delta R.T. 0.01 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 50 Resp: 341410

Ion Ratio Lower Upper

50 100

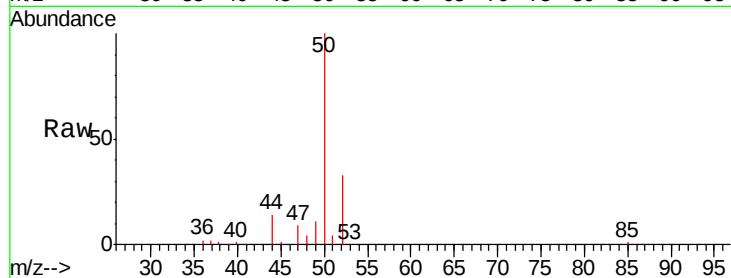
52 32.9 26.6 39.8

Manual Integrations

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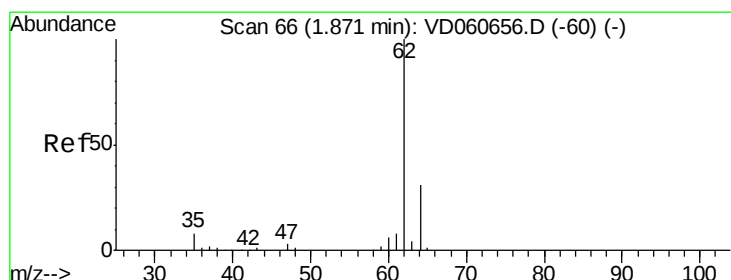
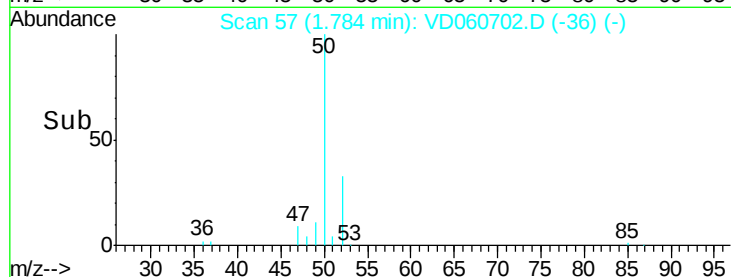
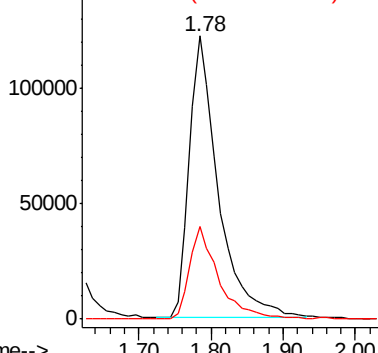
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.056 ug/l

RT: 1.88 min Scan# 67

Delta R.T. 0.01 min

Lab File: VD060702.D

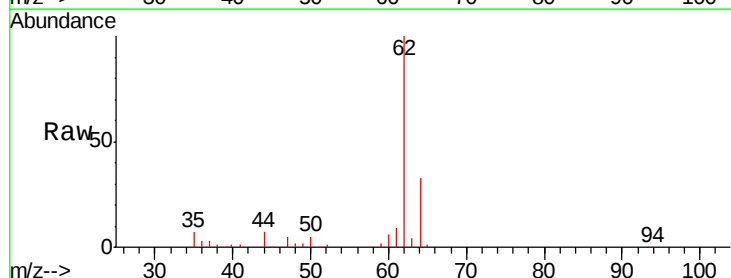
Acq: 22 Dec 2018 12:10

Tgt Ion: 62 Resp: 269531

Ion Ratio Lower Upper

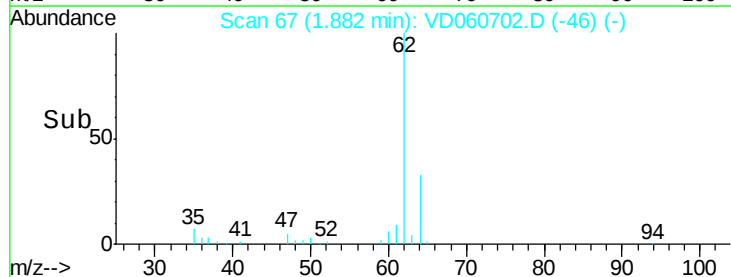
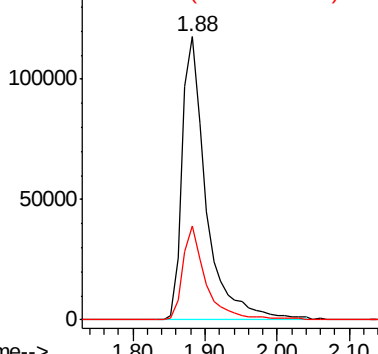
62 100

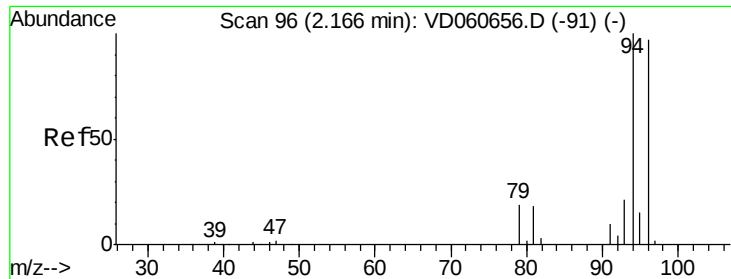
64 33.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.040 ug/l

RT: 2.18 min Scan# 97

Delta R.T. 0.01 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 94 Resp: 43601

Ion Ratio Lower Upper

94 100

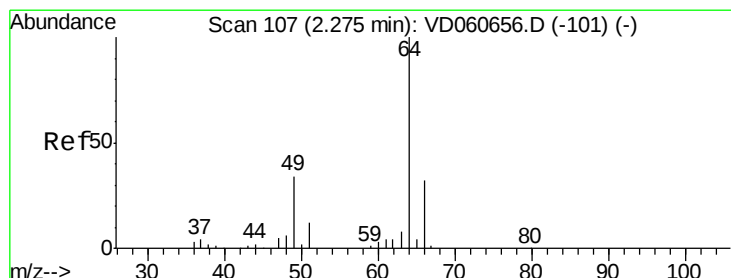
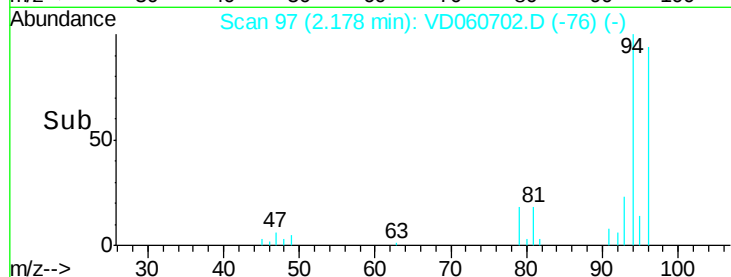
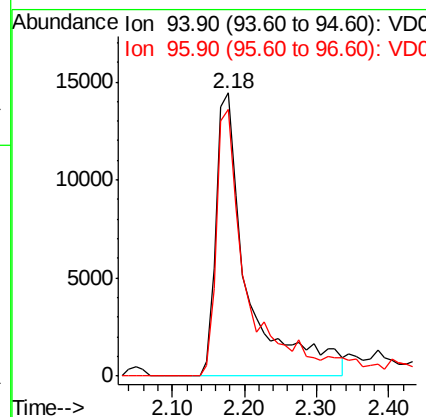
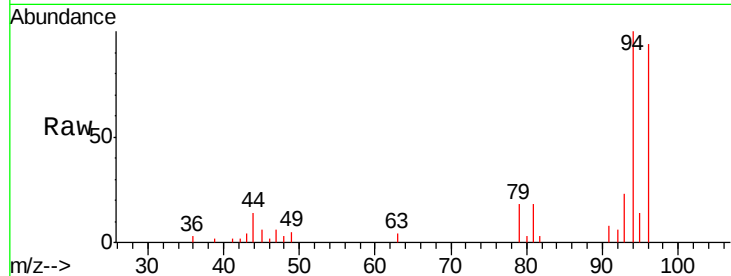
96 94.2 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 16.877 ug/l

RT: 2.29 min Scan# 108

Delta R.T. 0.01 min

Lab File: VD060702.D

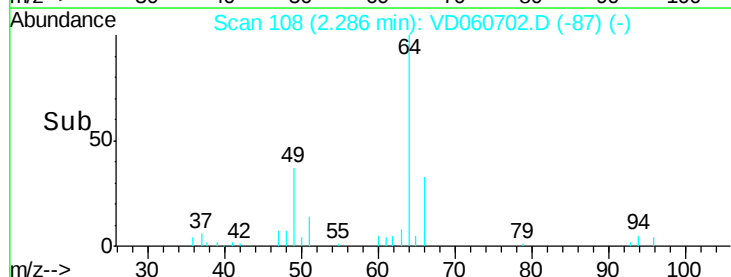
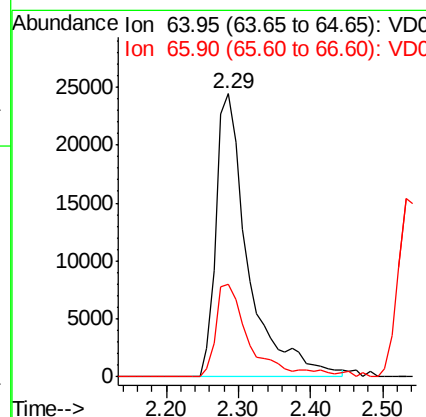
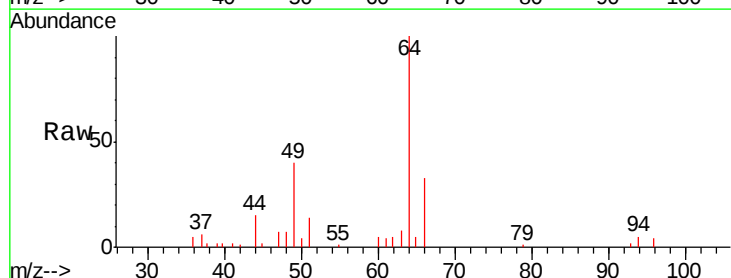
Acq: 22 Dec 2018 12:10

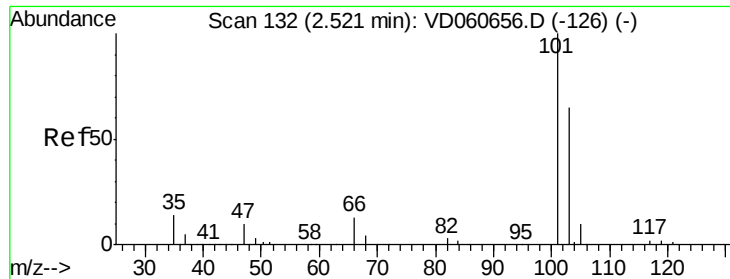
Tgt Ion: 64 Resp: 75182

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4





#7

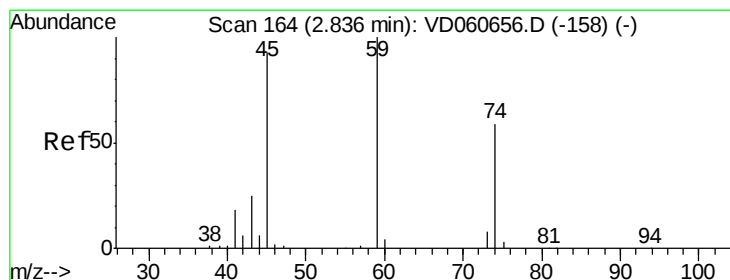
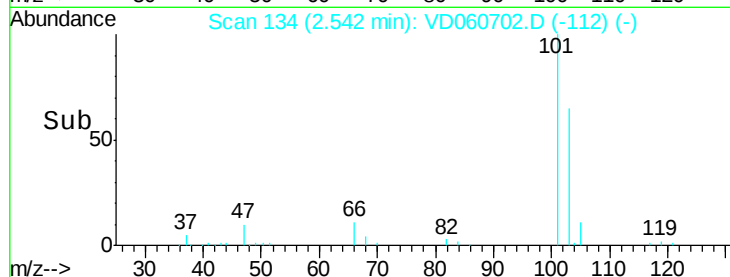
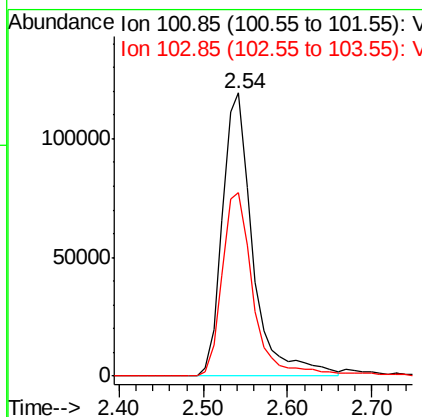
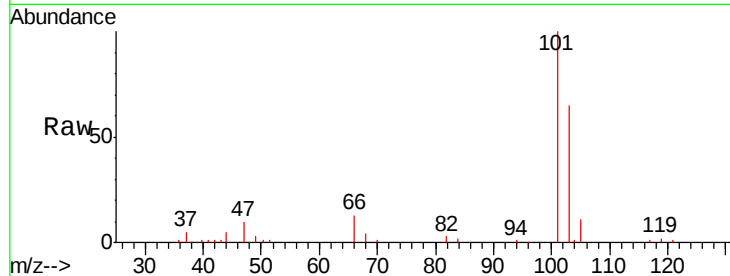
Trichlorofluoromethane
 Concen: 18.039 ug/l
 RT: 2.54 min Scan# 134
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	299504		
103	64.7	51.9	77.9	

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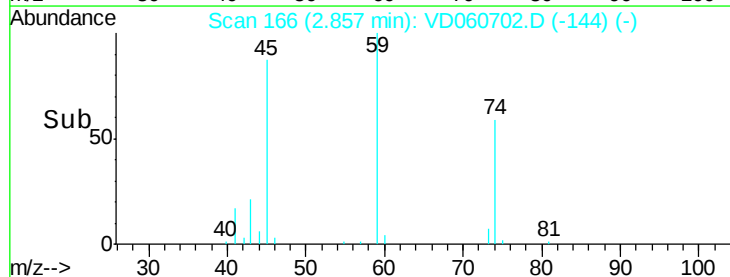
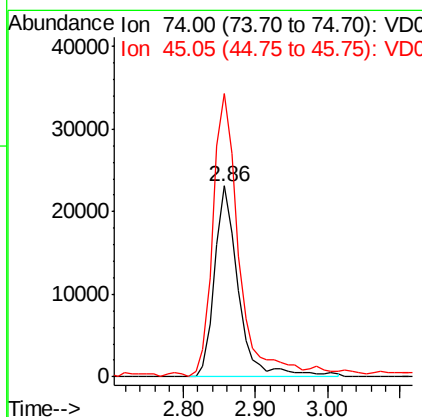
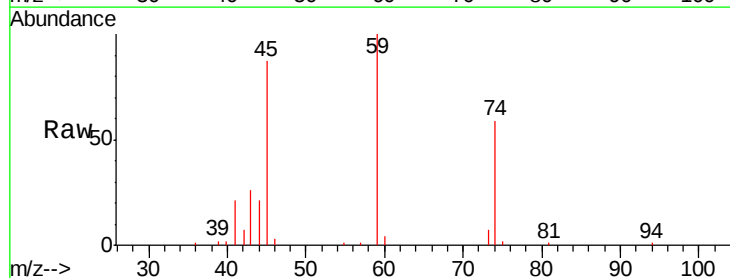
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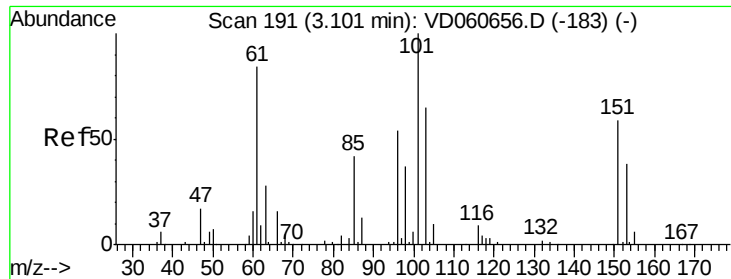


#8

Diethyl Ether
 Concen: 18.917 ug/l
 RT: 2.86 min Scan# 166
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52549		
45	148.3	79.3	238.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.628 ug/l

RT: 3.12 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

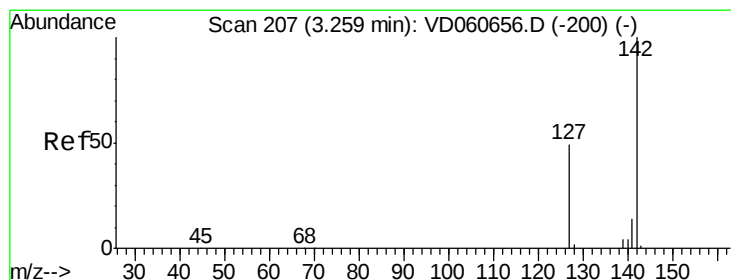
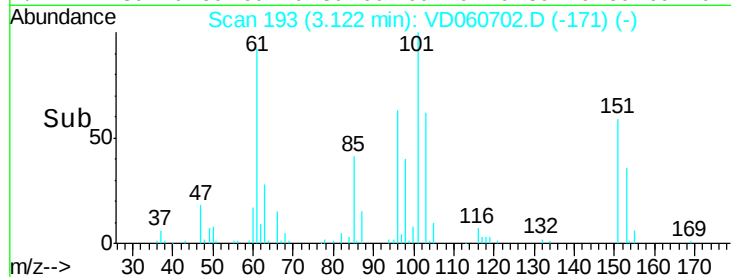
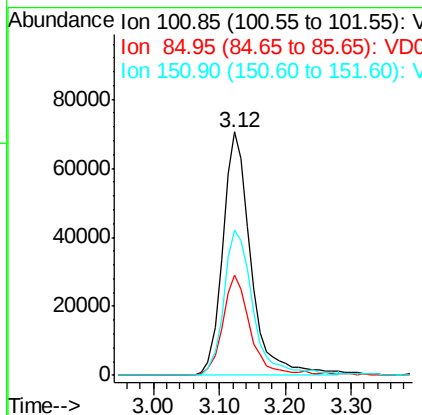
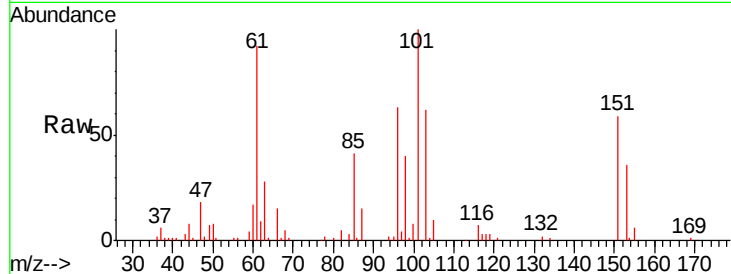
ClientSampleId :

VD1222SBS01

Tgt Ion:	101	Resp:	211386
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.0
151	59.4	47.5	71.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.785 ug/l

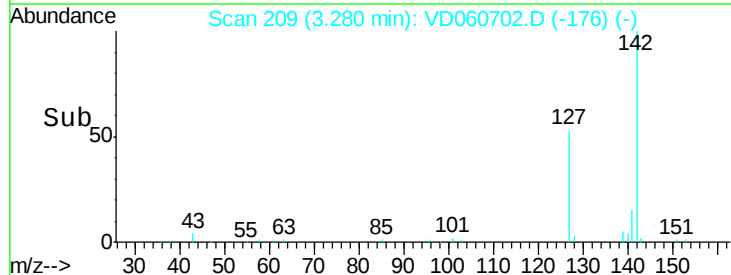
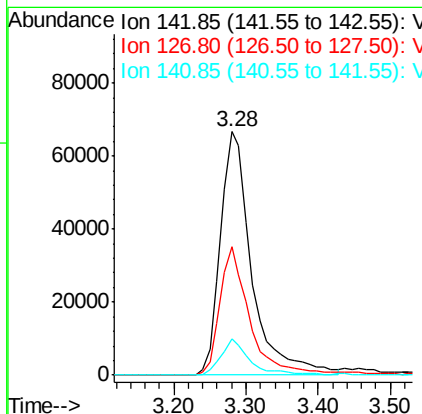
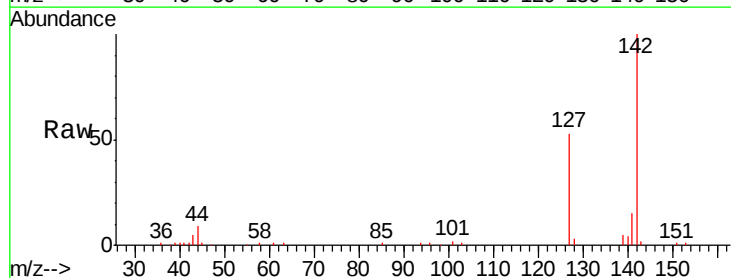
RT: 3.28 min Scan# 209

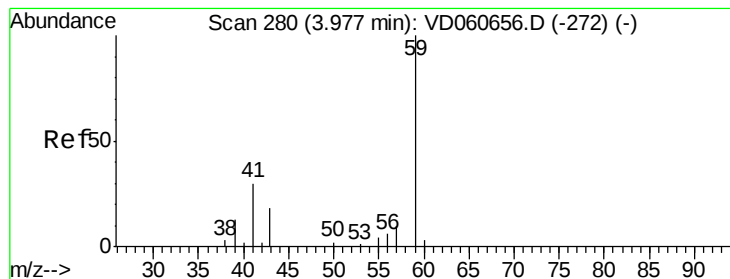
Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Tgt Ion:	142	Resp:	201303
Ion Ratio	Lower	Upper	
142	100		
127	52.9	39.5	59.3
141	14.7	11.3	16.9





#11

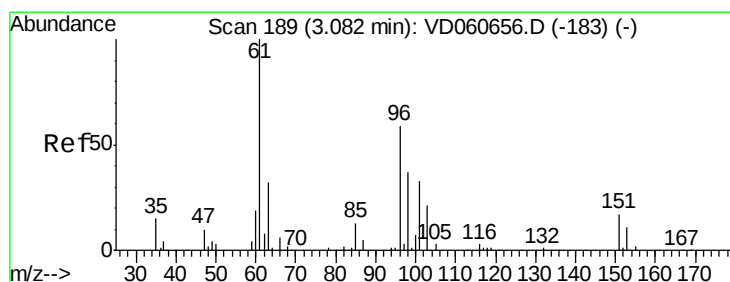
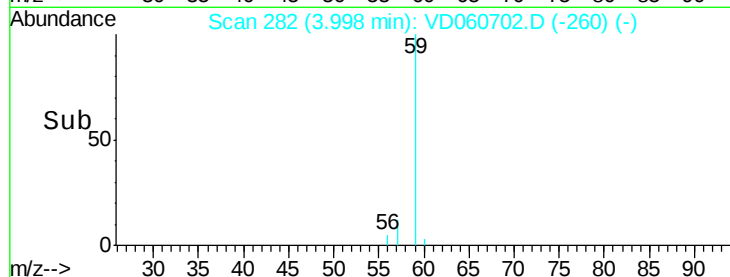
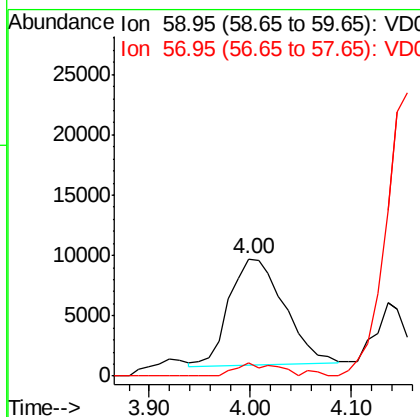
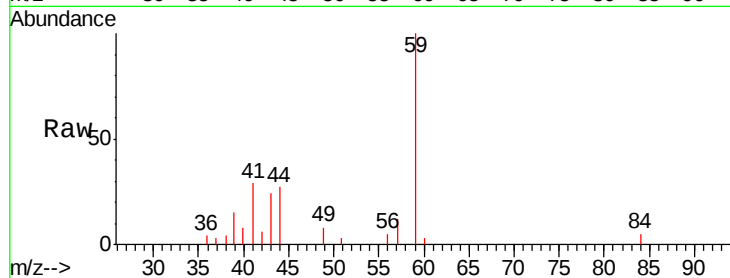
Tert butyl alcohol
 Concen: 73.145 ug/l
 RT: 4.00 min Scan# 282
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion: 59 Resp: 33776
 Ion Ratio Lower Upper
 59 100
 57 11.7 7.8 11.6#

Manual Integrations
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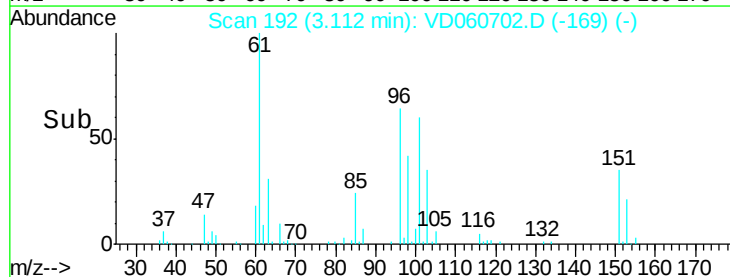
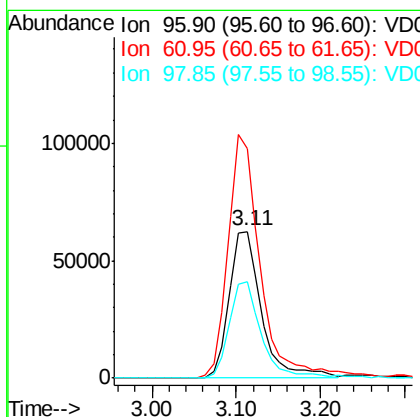
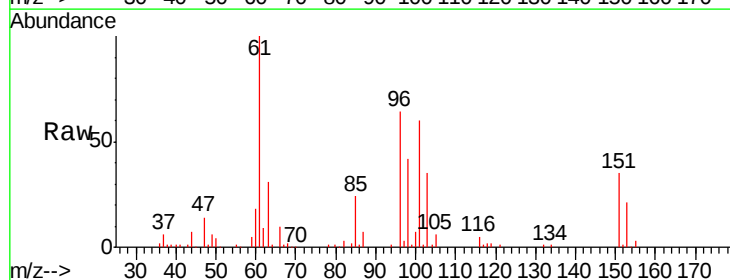
MMDadoda
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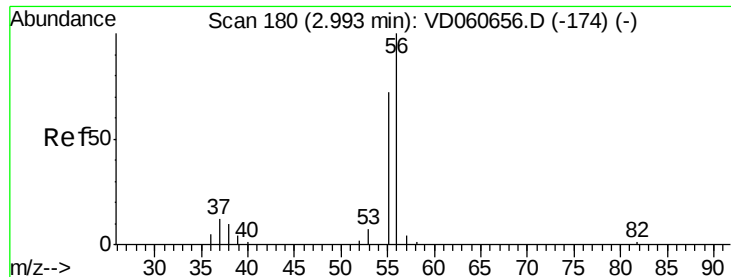


#12

1,1-Dichloroethene
 Concen: 18.897 ug/l
 RT: 3.11 min Scan# 192
 Delta R.T. 0.03 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion: 96 Resp: 167227
 Ion Ratio Lower Upper
 96 100
 61 156.5 136.2 204.4
 98 65.8 50.7 76.1





#13

Acrolein

Concen: 98.652 ug/l

RT: 3.01 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 56 Resp: 46422

Ion Ratio Lower Upper

56 100

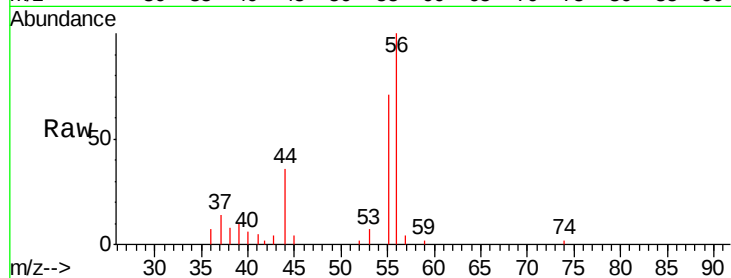
55 71.4 57.7 86.5

Manual Integrations

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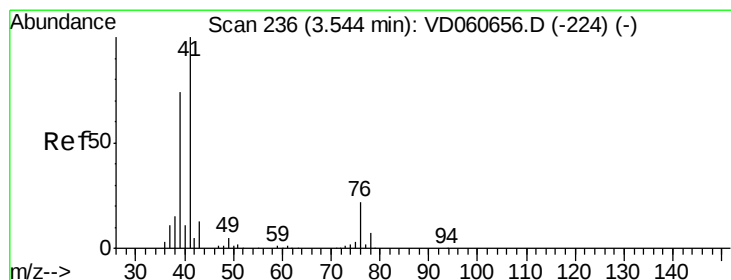
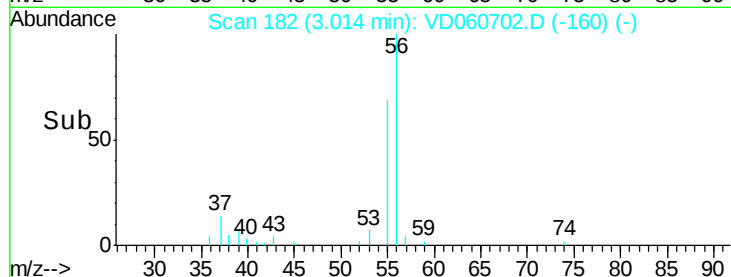
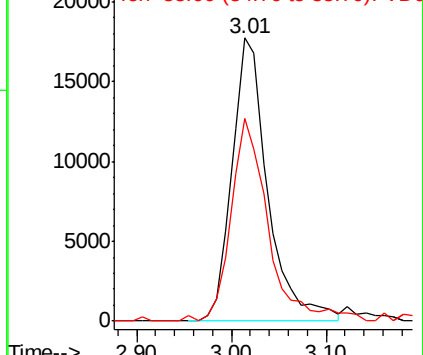
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.753 ug/l

RT: 3.57 min Scan# 239

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

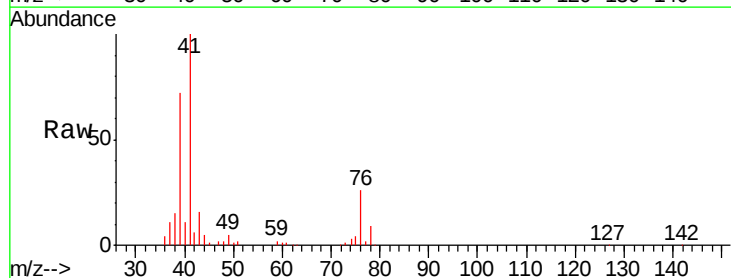
Tgt Ion: 41 Resp: 288270

Ion Ratio Lower Upper

41 100

39 71.6 59.6 89.4

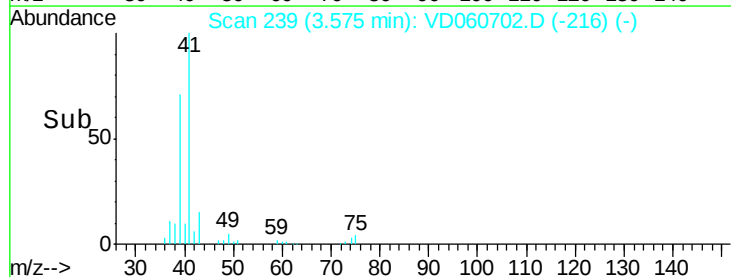
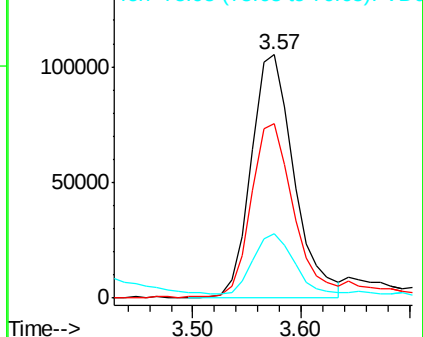
76 26.3 21.8 32.6

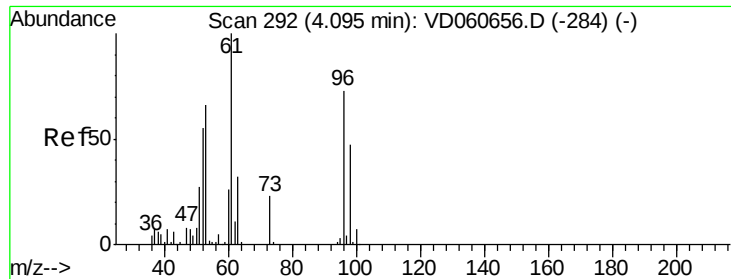


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 87.831 ug/l

RT: 4.13 min Scan# 295

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

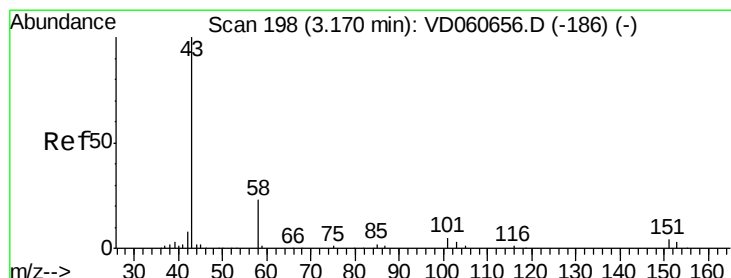
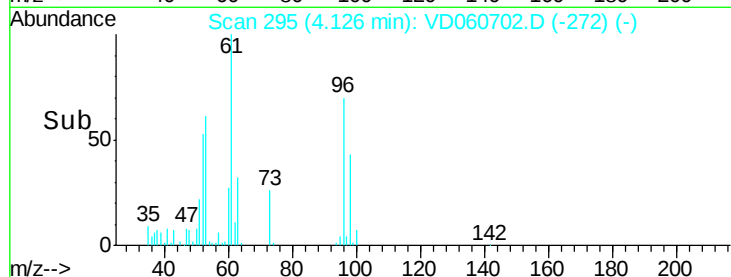
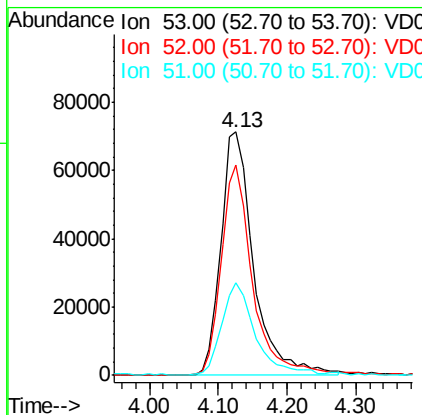
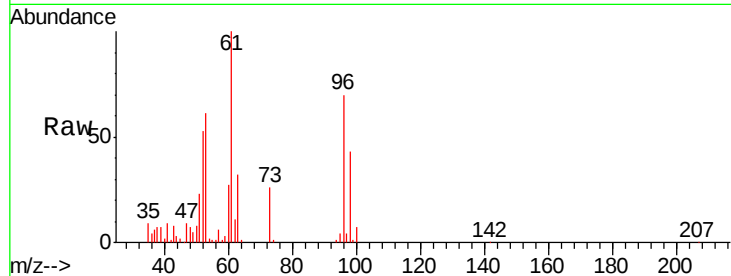
ClientSampleId :

VD1222SBS01

Tgt Ion:	53	Resp:	235461
Ion	Ratio	Lower	Upper
53	100		
52	86.3	66.7	100.1
51	38.2	32.7	49.1

Manual Integrations
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#16

Acetone

Concen: 86.960 ug/l

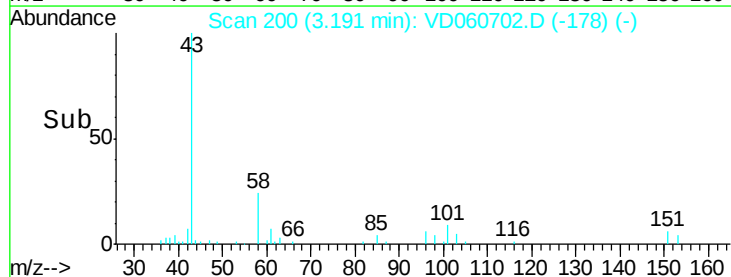
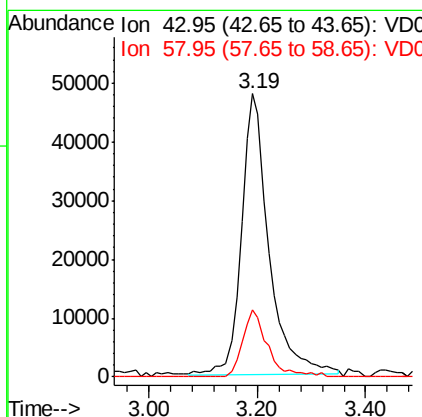
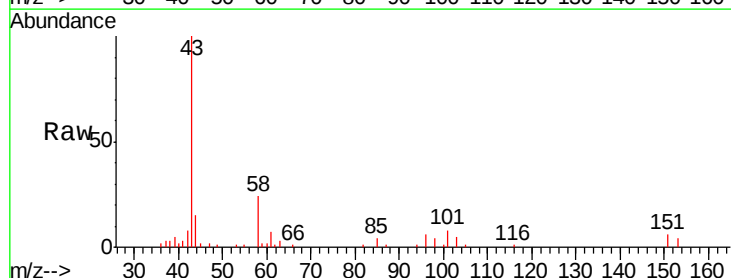
RT: 3.19 min Scan# 200

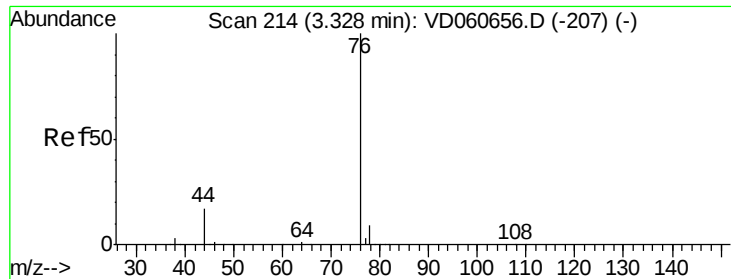
Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Tgt Ion:	43	Resp:	167796
Ion	Ratio	Lower	Upper
43	100		
58	23.8	18.2	27.2





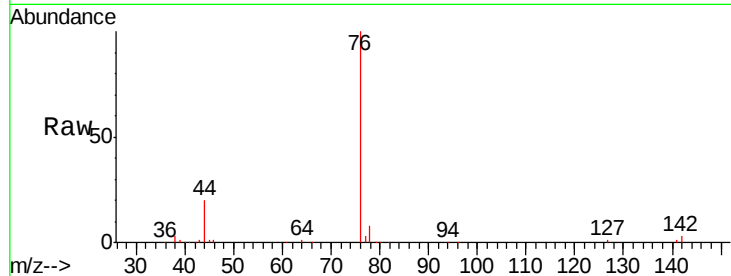
#17
Carbon Disulfide
Concen: 17.276 ug/l
RT: 3.35 min Scan# 216
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

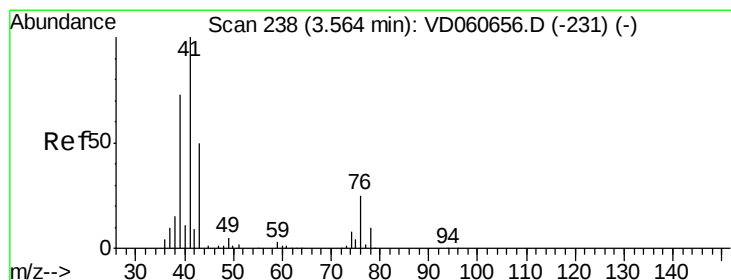
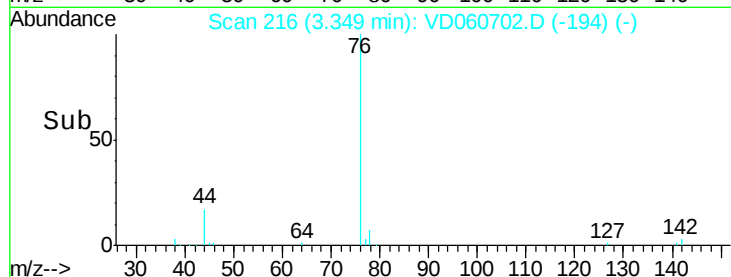
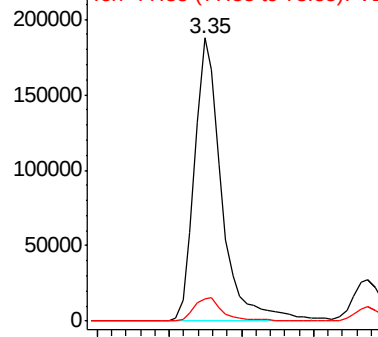
Tgt Ion: 76 Resp: 488244
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.0

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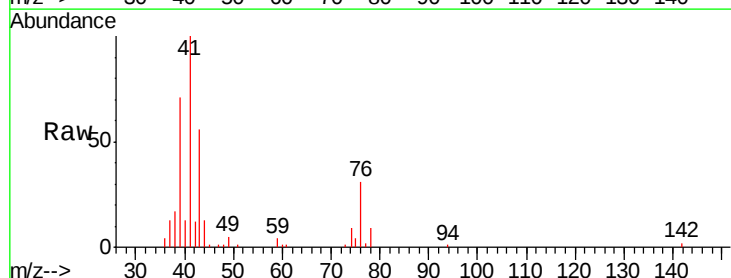


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

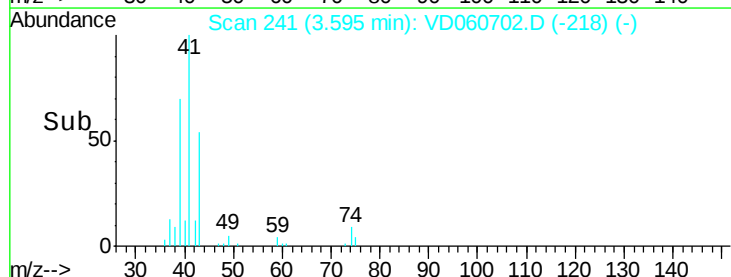
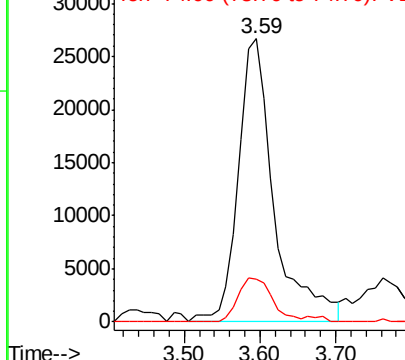


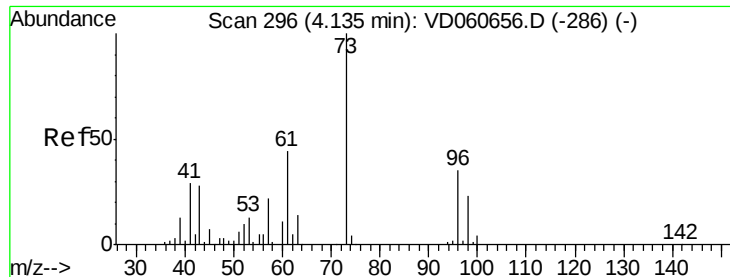
#18
Methyl Acetate
Concen: 18.417 ug/l
RT: 3.59 min Scan# 241
Delta R.T. 0.03 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion: 43 Resp: 88073
Ion Ratio Lower Upper
43 100
74 15.2 12.4 18.6



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





#19

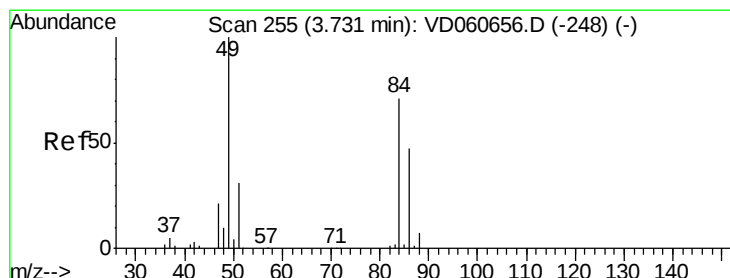
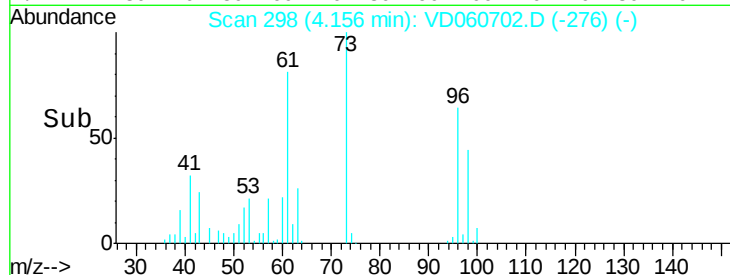
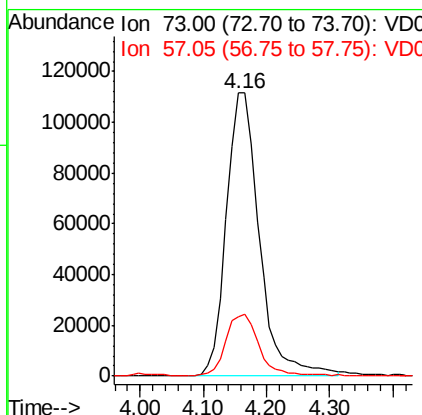
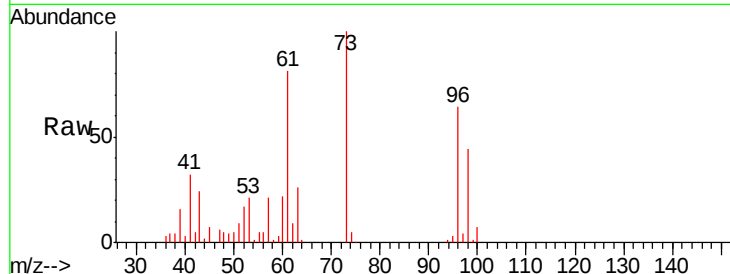
Methyl tert-butyl Ether
 Concen: 18.025 ug/l
 RT: 4.16 min Scan# 298
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion: 73 Resp: 404684
 Ion Ratio Lower Upper
 73 100
 57 21.0 17.6 26.4

Manual Integrations
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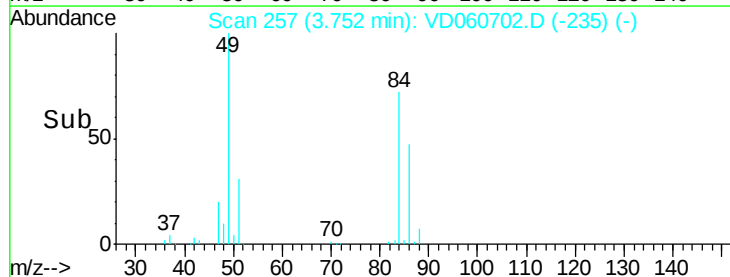
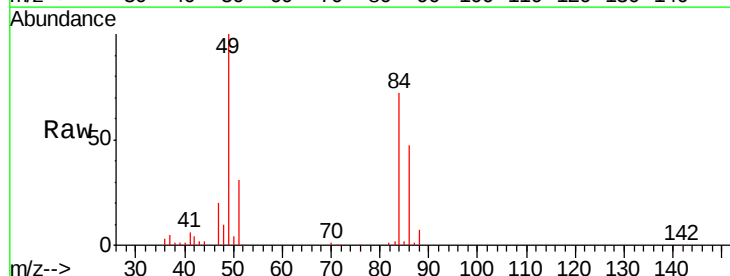
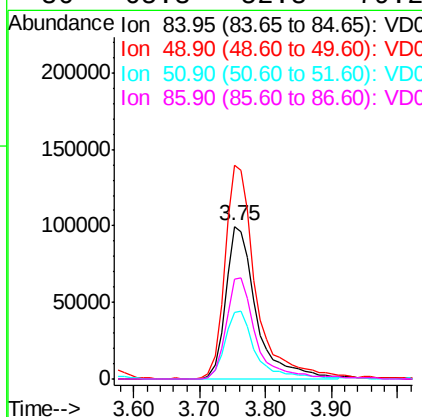
MMDadoda
 12/26/2018 11:04:11 AM

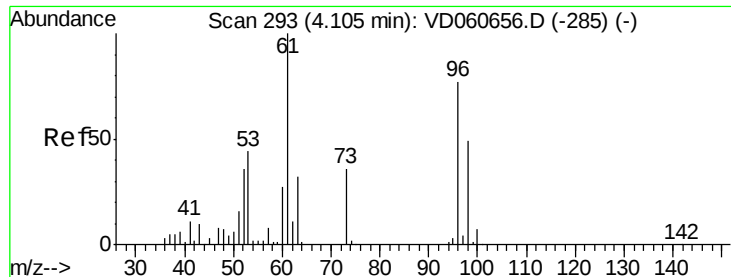


#20

Methylene Chloride
 Concen: 16.149 ug/l
 RT: 3.75 min Scan# 257
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion: 84 Resp: 323605
 Ion Ratio Lower Upper
 84 100
 49 139.7 113.6 170.4
 51 43.7 34.7 52.1
 86 65.3 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 17.662 ug/l

RT: 4.14 min Scan# 296

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 96 Resp: 320090
Ion Ratio Lower Upper

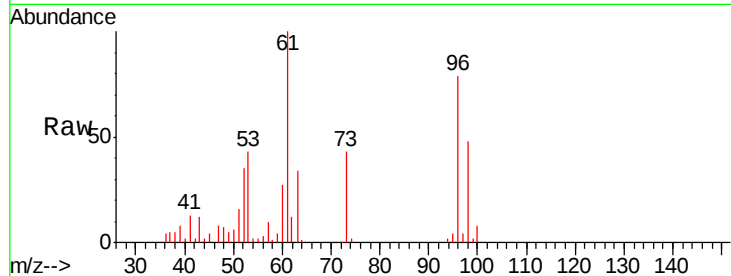
96 100

61 126.6 104.2 156.2

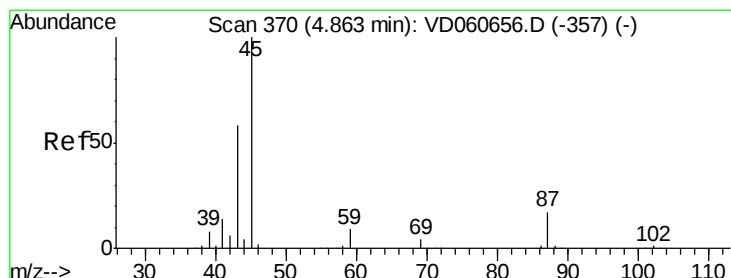
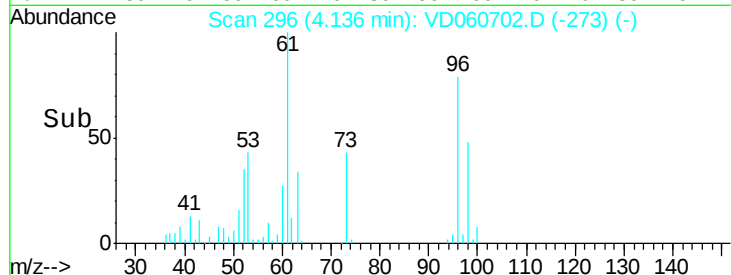
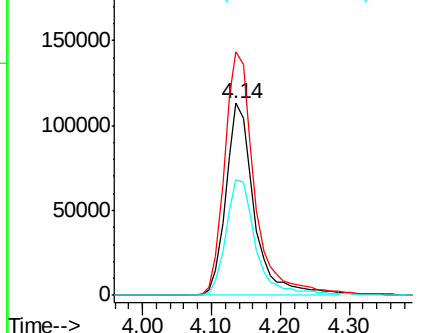
98 60.4 51.2 76.8

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



#22

Diisopropyl ether

Concen: 18.442 ug/l

RT: 4.89 min Scan# 373

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

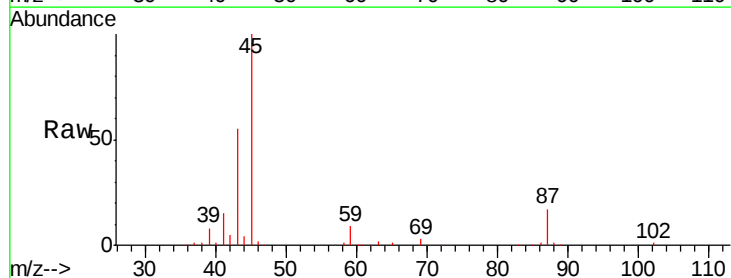
Tgt Ion: 45 Resp: 1016710
Ion Ratio Lower Upper

45 100

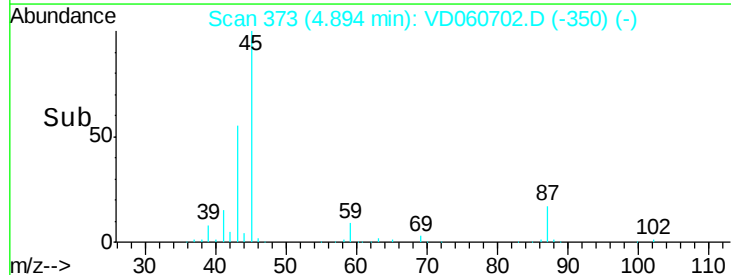
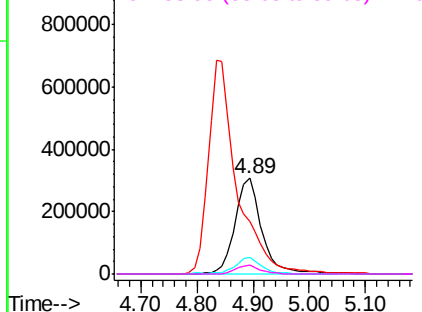
43 55.4 46.1 69.1

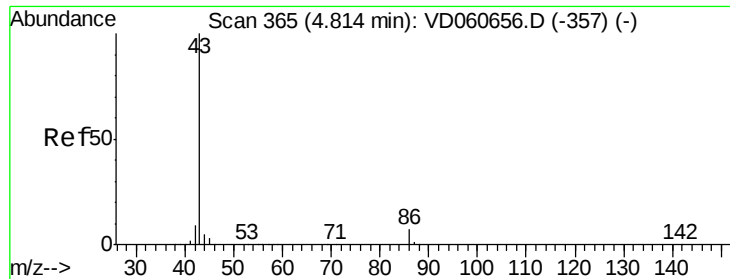
87 17.1 13.7 20.5

59 9.1 7.4 11.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 91.310 ug/l

RT: 4.83 min Scan# 367

Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 43 Resp: 2435501

Ion Ratio Lower Upper

43 100

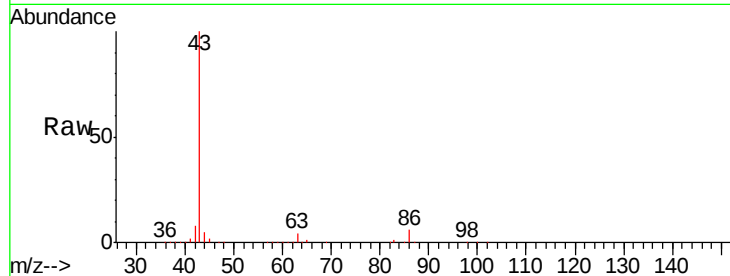
86 6.5 5.6 8.4

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.83

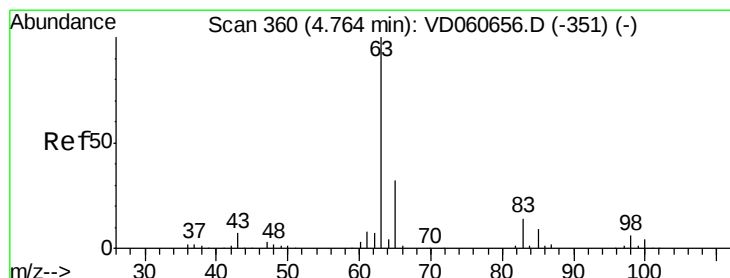
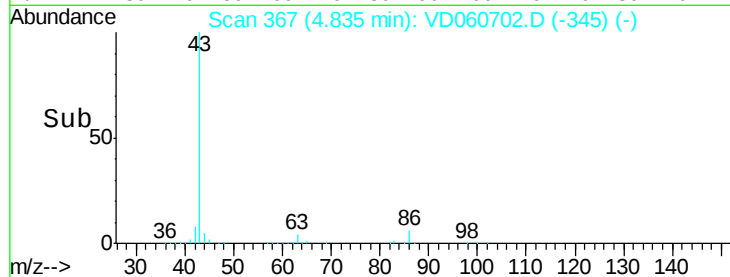
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.220 ug/l

RT: 4.80 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

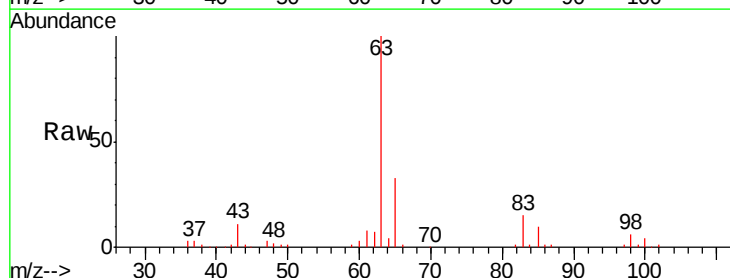
Tgt Ion: 63 Resp: 528347

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.7

100 3.9 2.0 5.8



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

4.80

200000

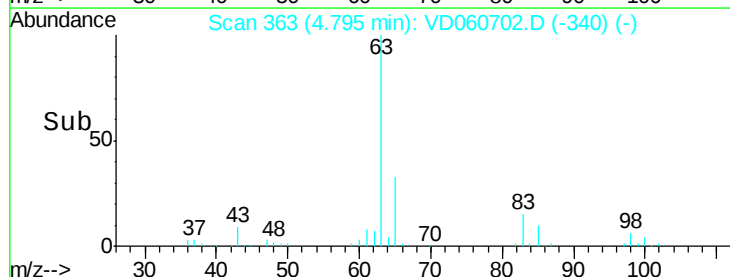
150000

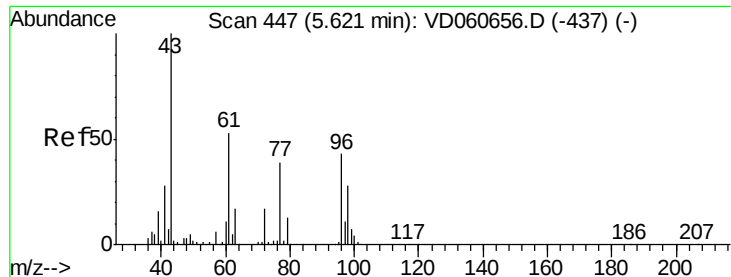
100000

50000

0

Time-->





#25

2-Butanone

Concen: 87.429 ug/l

RT: 5.65 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 43 Resp: 322820

Ion Ratio Lower Upper

43 100

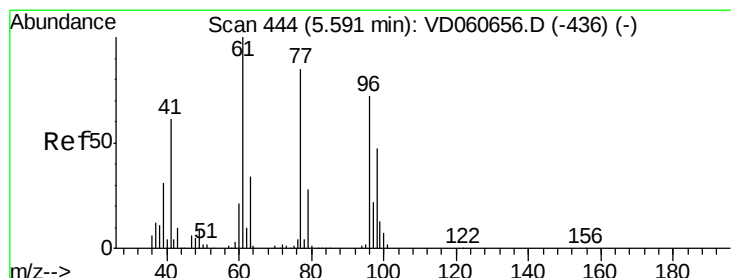
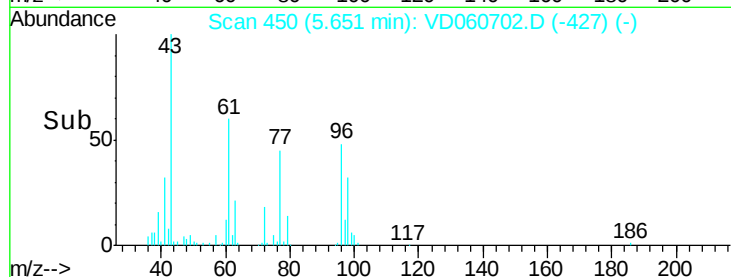
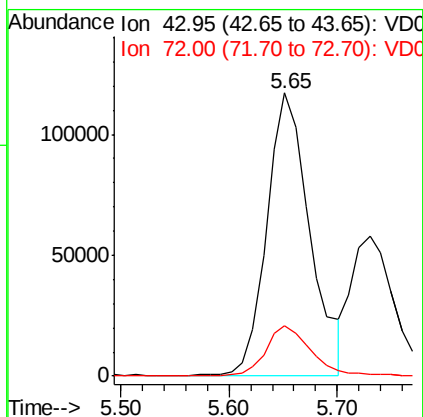
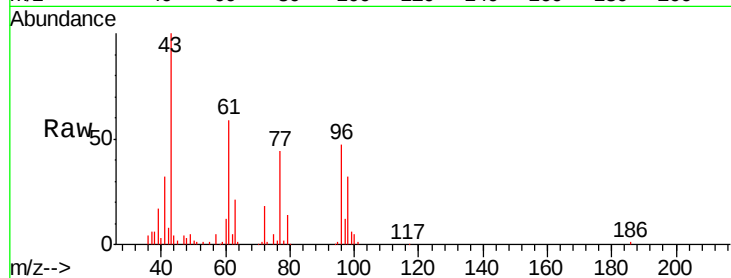
72 17.7 13.7 20.5

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#26

2,2-Dichloropropane

Concen: 18.324 ug/l

RT: 5.62 min Scan# 447

Delta R.T. 0.03 min

Lab File: VD060702.D

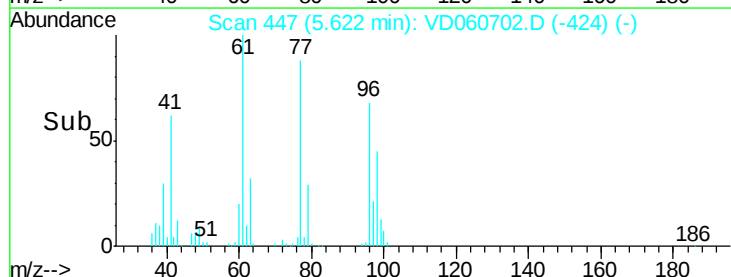
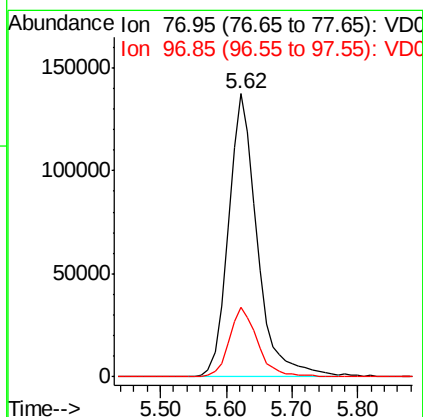
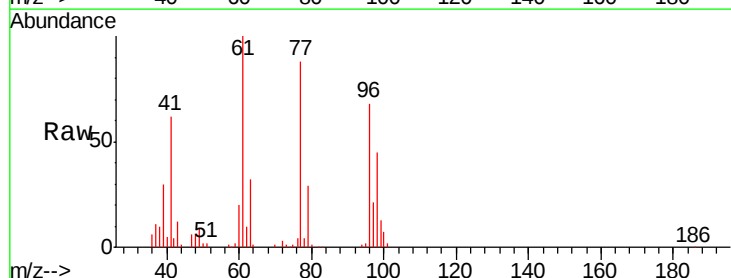
Acq: 22 Dec 2018 12:10

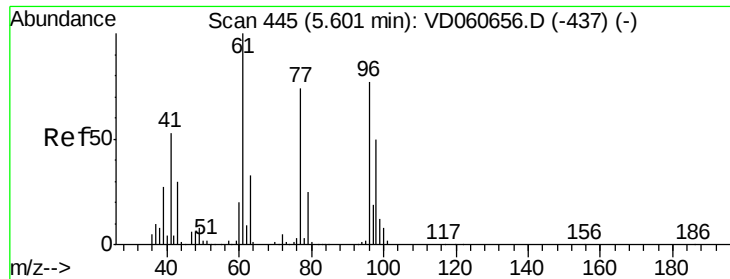
Tgt Ion: 77 Resp: 419445

Ion Ratio Lower Upper

77 100

97 24.4 13.0 39.0





#27

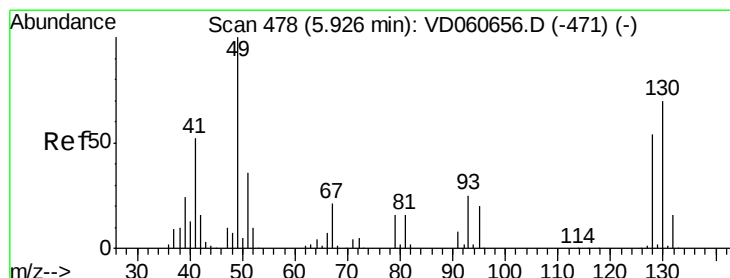
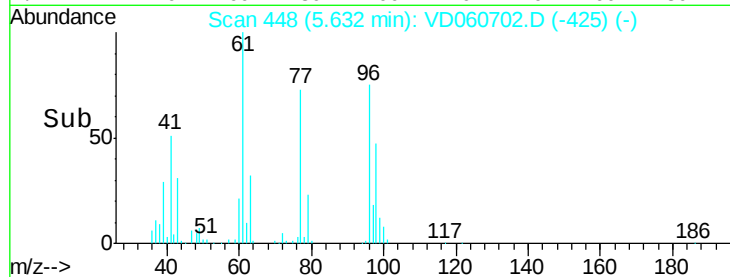
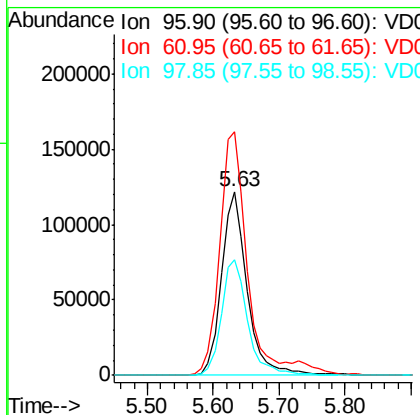
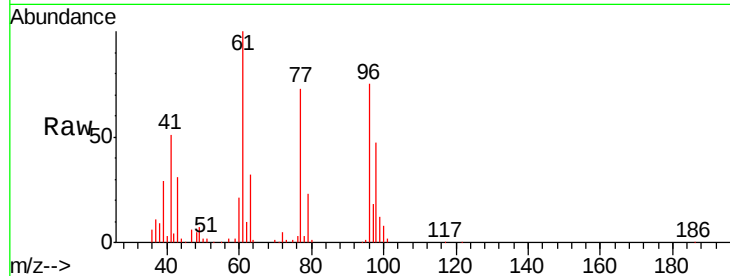
cis-1,2-Dichloroethene
 Concen: 17.979 ug/l
 RT: 5.63 min Scan# 448
 Delta R.T. 0.03 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	330749		
61	132.5	0.0	259.4	
98	62.9	0.0	130.0	

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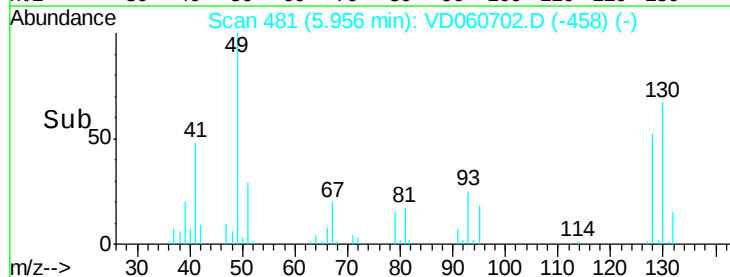
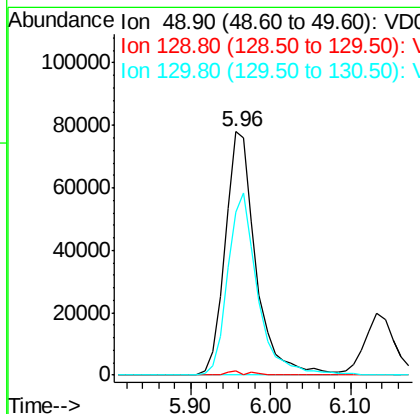
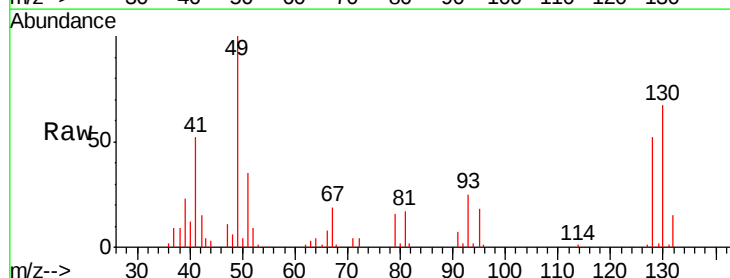
MMDadoda
 12/26/2018 11:04:11 AM

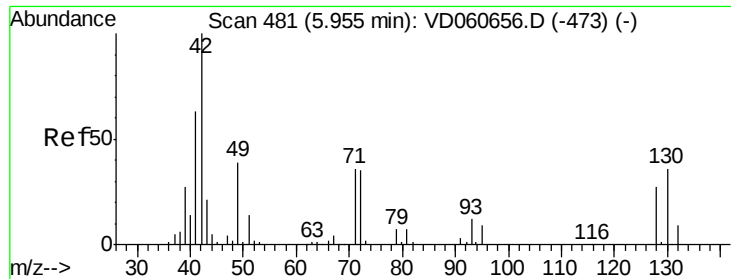


#28

Bromochloromethane
 Concen: 17.133 ug/l
 RT: 5.96 min Scan# 481
 Delta R.T. 0.03 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	209889		
129	1.6	0.0	3.4	
130	67.2	56.2	84.2	





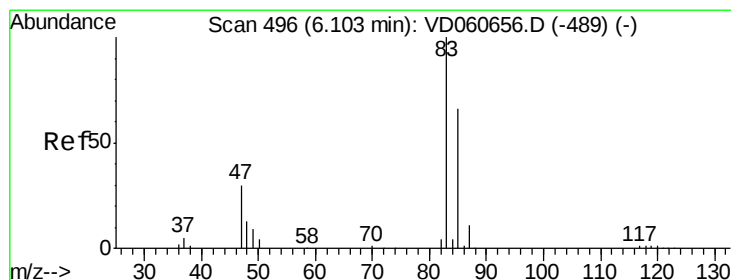
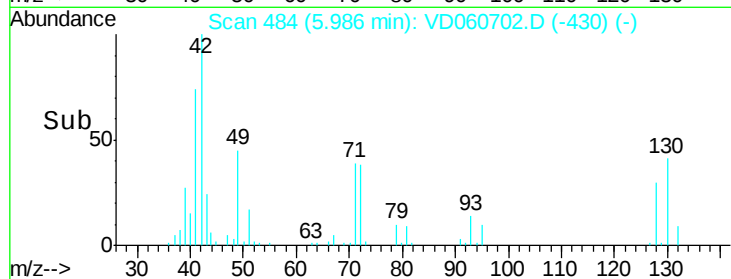
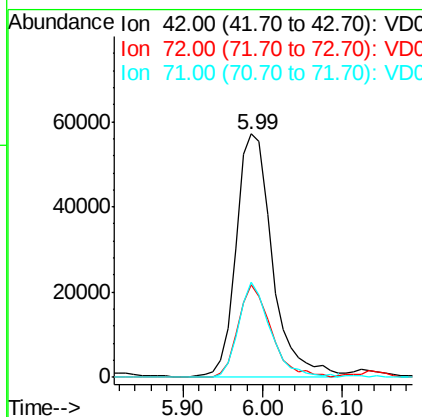
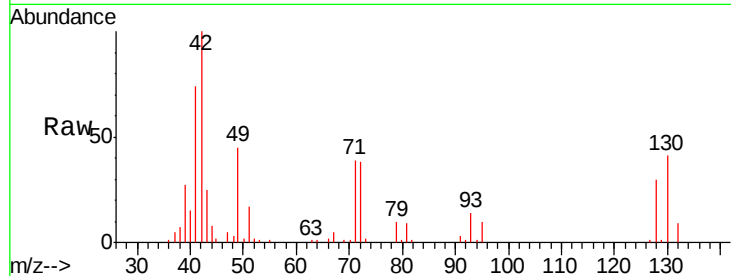
#29
Tetrahydrofuran
Concen: 85.951 ug/l
RT: 5.99 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.6	28.0	42.0
71	34.2	27.0	40.6

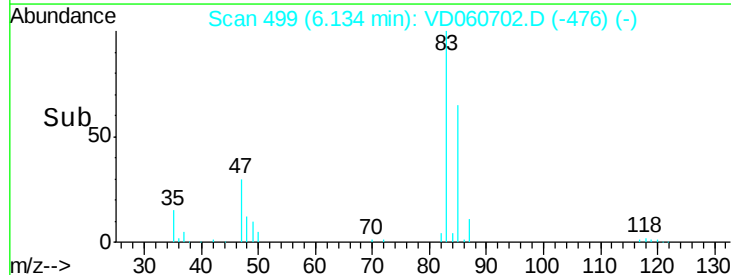
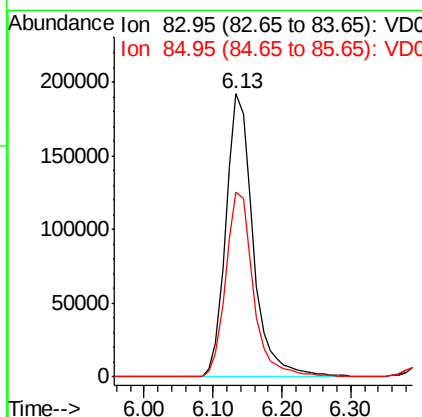
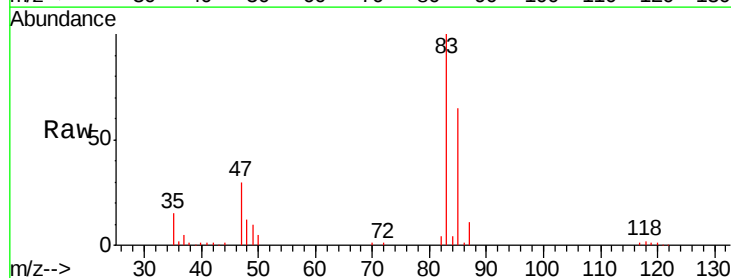
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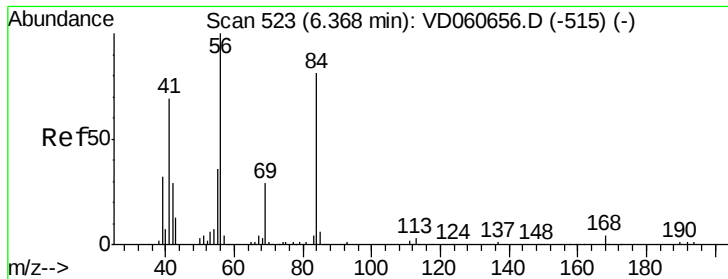
MMDadoda
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#30
Chloroform
Concen: 18.049 ug/l
RT: 6.13 min Scan# 499
Delta R.T. 0.03 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.0	79.6





#31

Cyclohexane

Concen: 17.758 ug/l

RT: 6.40 min Scan# 526

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

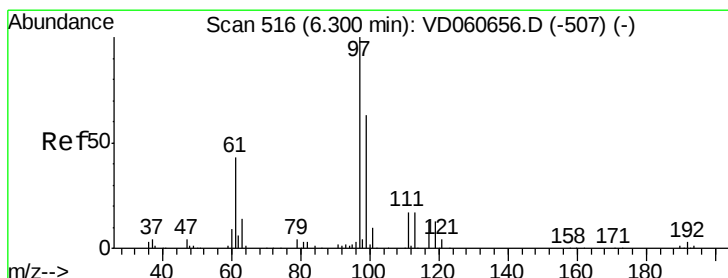
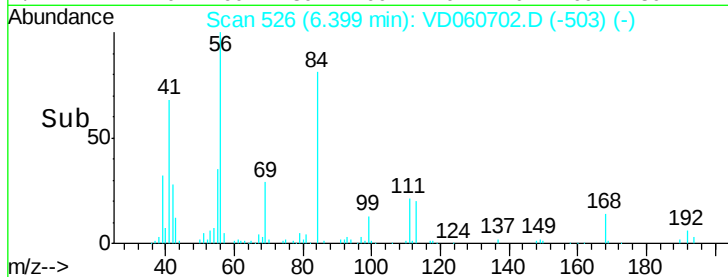
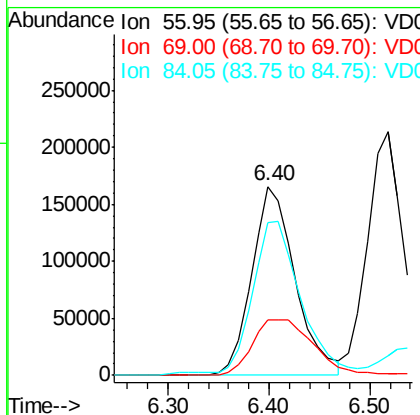
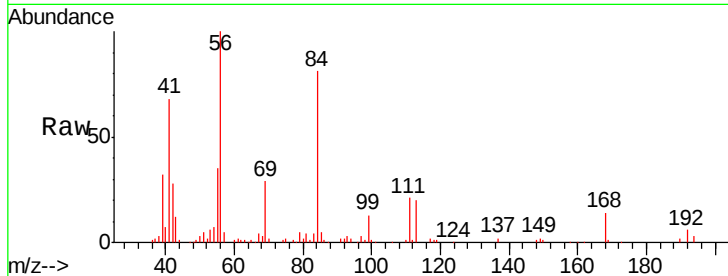
ClientSampleId :

VD1222SBS01

Tgt Ion:	56	Resp:	495561
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.6	35.4
84	80.6	65.8	98.6

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#32

1,1,1-Trichloroethane

Concen: 18.104 ug/l

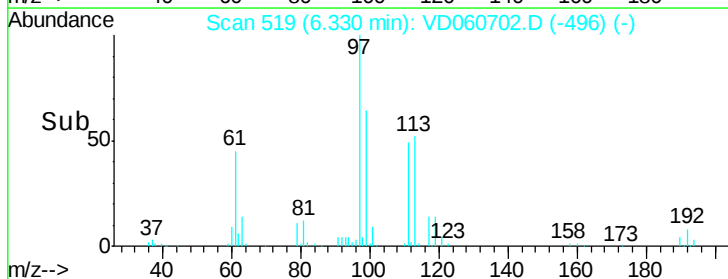
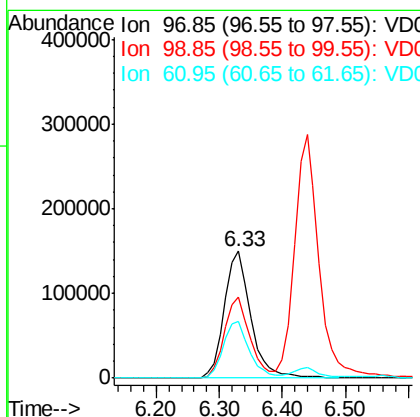
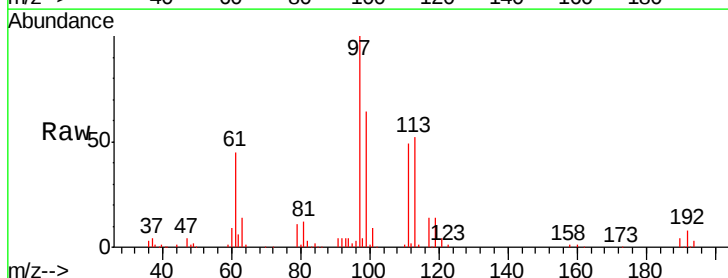
RT: 6.33 min Scan# 519

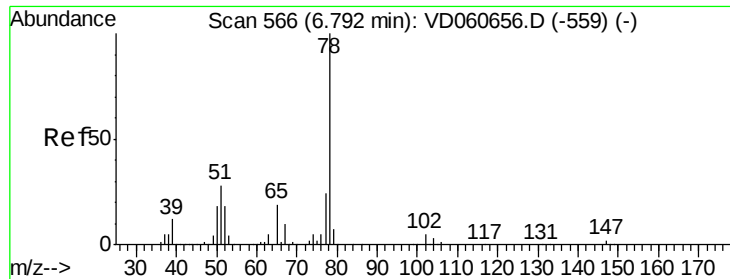
Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Tgt Ion:	97	Resp:	437042
Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.5	75.7
61	44.9	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 18.104 ug/l

RT: 6.82 min Scan# 569

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 65 Resp: 591138

Ion Ratio Lower Upper

65 100

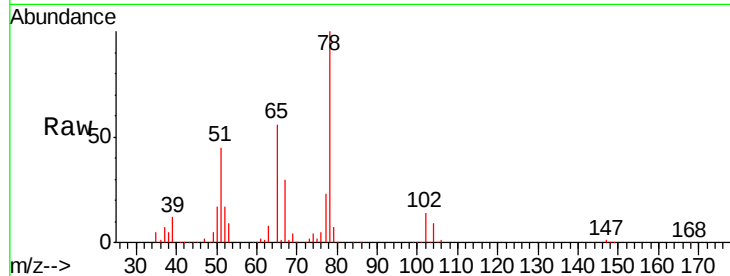
67 53.8 0.0 105.4

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

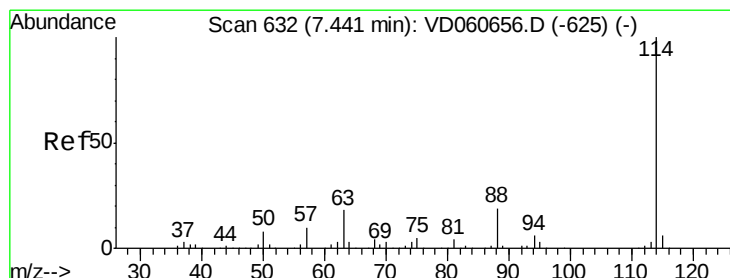
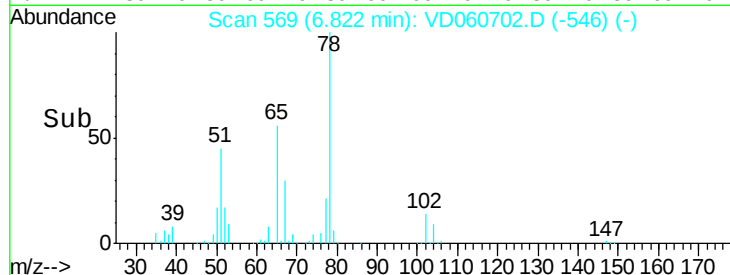
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 635

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

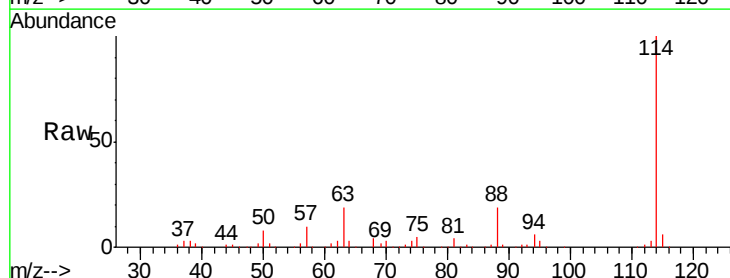
Tgt Ion: 114 Resp: 2210675

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

88 18.6 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

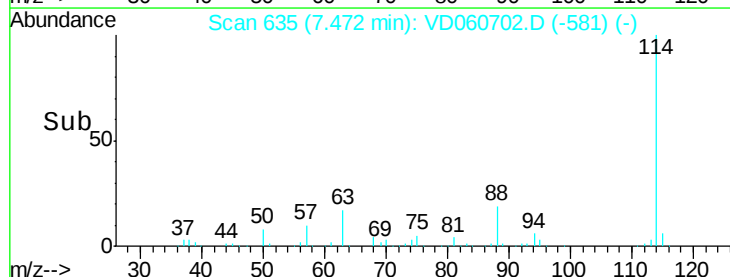
400000

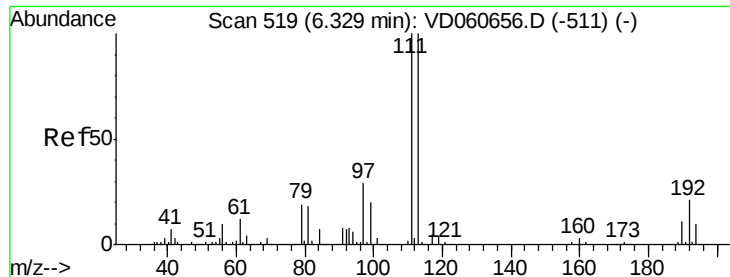
200000

0

7.40 7.60 7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.36 min Scan# 522

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

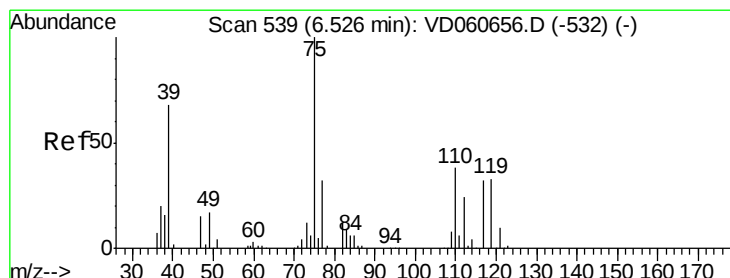
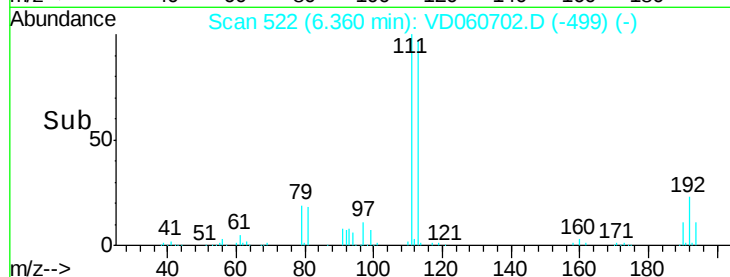
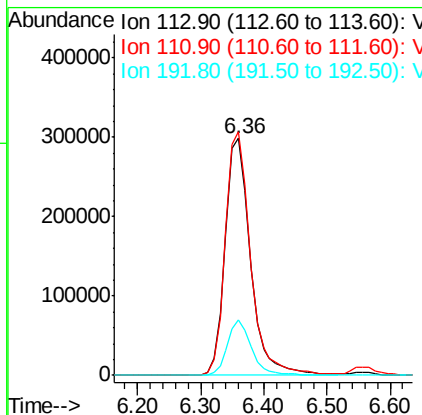
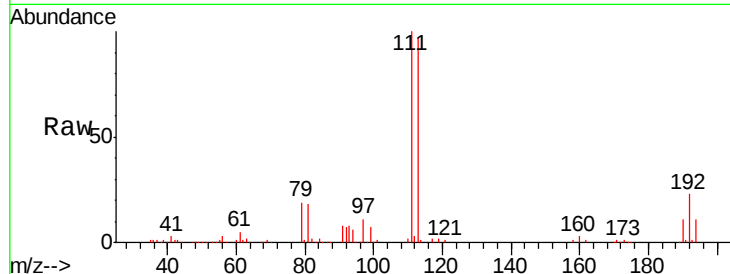
ClientSampleId :

VD1222SBS01

Tgt Ion:	113	Resp:	835315
Ion Ratio	Lower	Upper	
113	100		
111	102.8	80.0	120.0
192	23.2	16.6	25.0

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#36

1,1-Dichloropropene

Concen: 18.126 ug/l

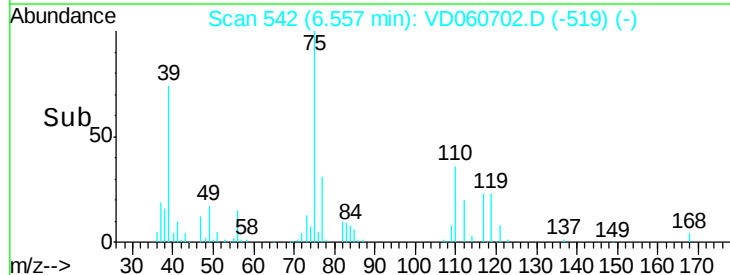
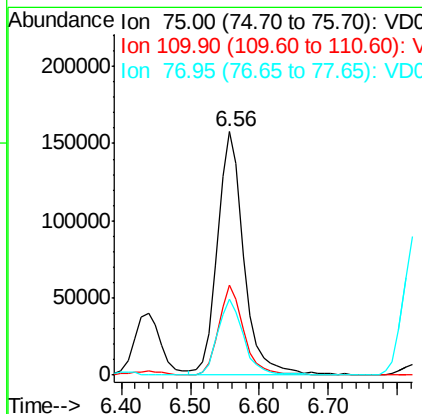
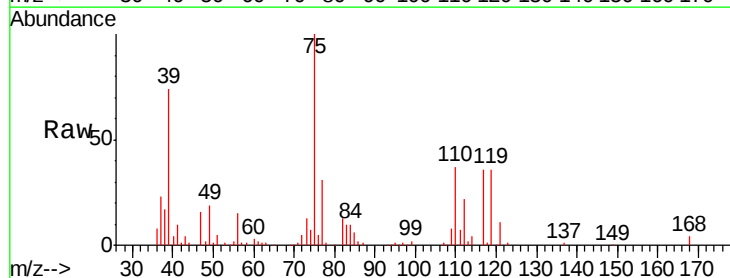
RT: 6.56 min Scan# 542

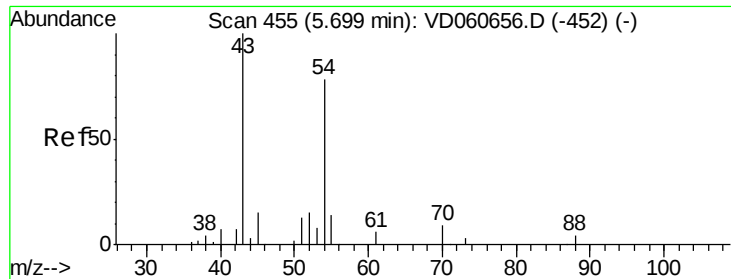
Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Tgt Ion:	75	Resp:	412616
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.9	56.7
77	31.4	25.4	38.0





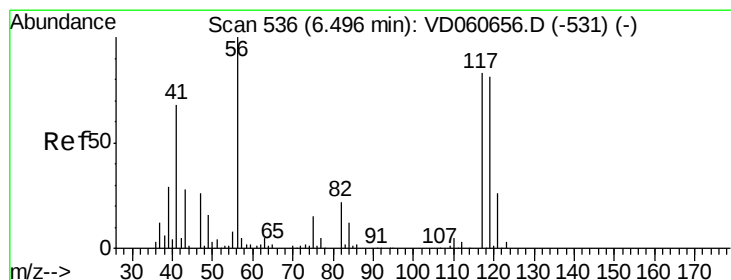
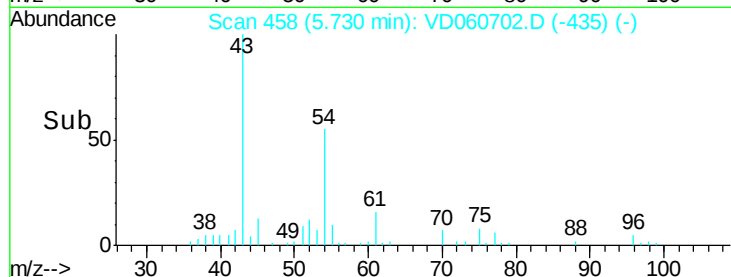
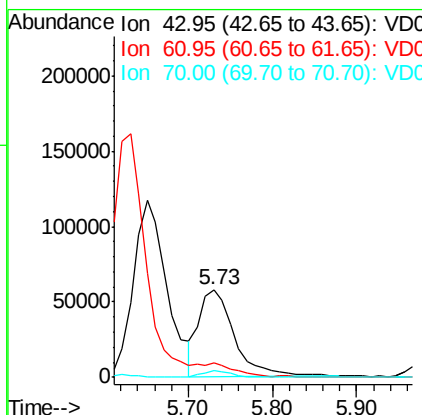
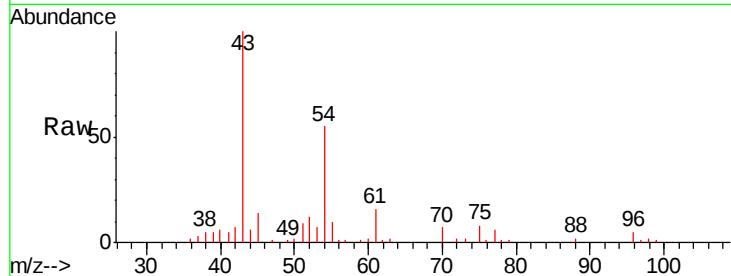
#37
Ethyl Acetate
Concen: 17.354 ug/l
RT: 5.73 min Scan# 458
Delta R.T. 0.03 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.8	17.6
70	7.4	5.8	8.6

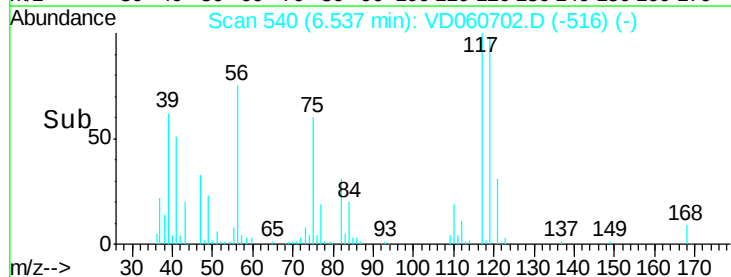
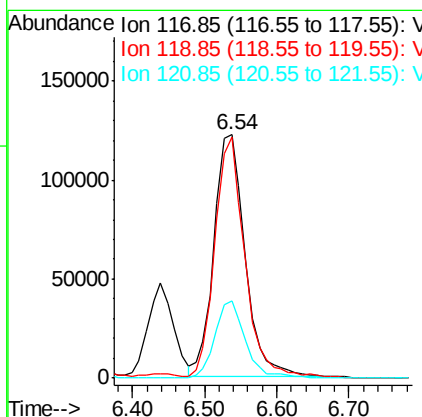
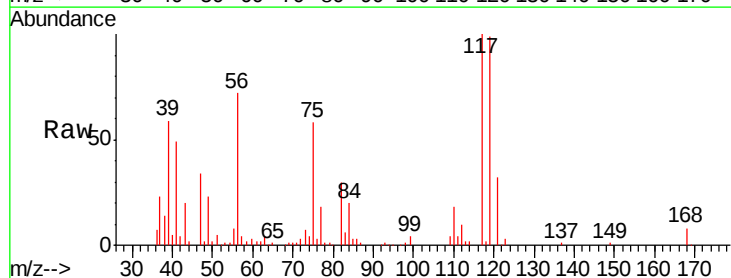
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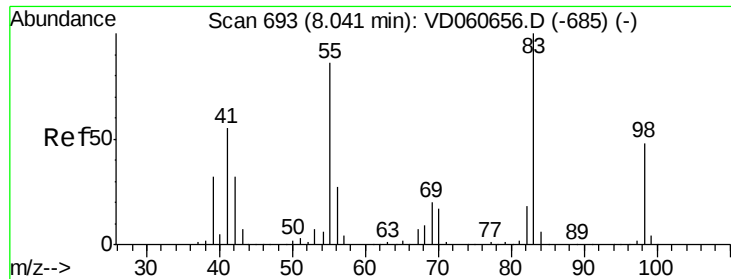
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#38
Carbon Tetrachloride
Concen: 18.165 ug/l
RT: 6.54 min Scan# 540
Delta R.T. 0.04 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.0	115.4
121	31.8	24.7	37.1





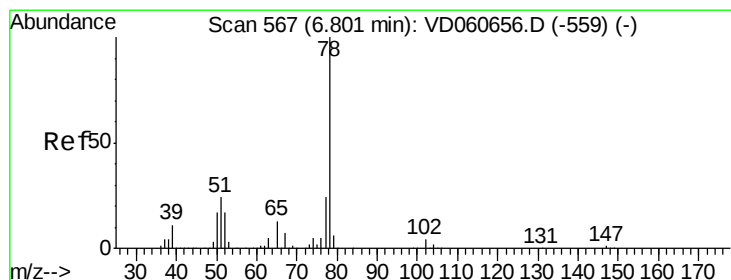
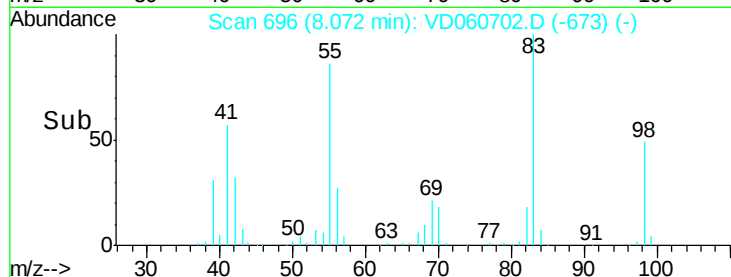
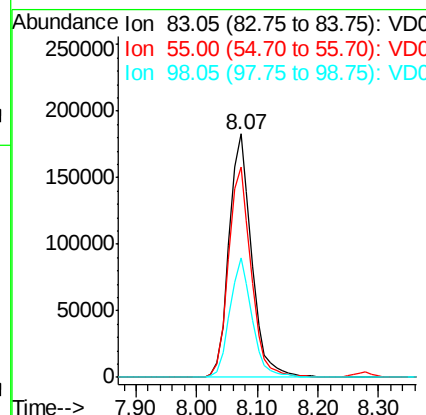
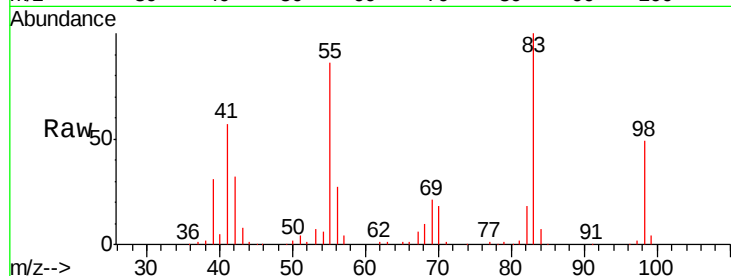
#39
Methylcyclohexane
Concen: 18.272 ug/l
RT: 8.07 min Scan# 696
Delta R.T. 0.03 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.3	68.6	102.8
98	48.9	38.1	57.1

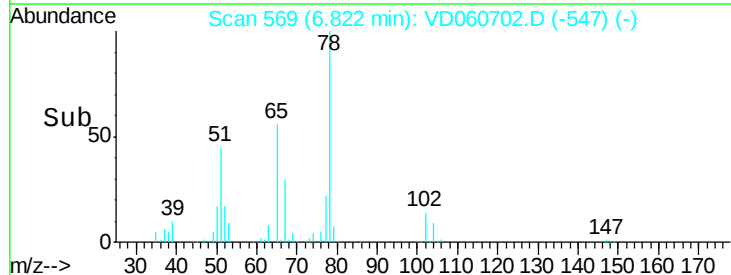
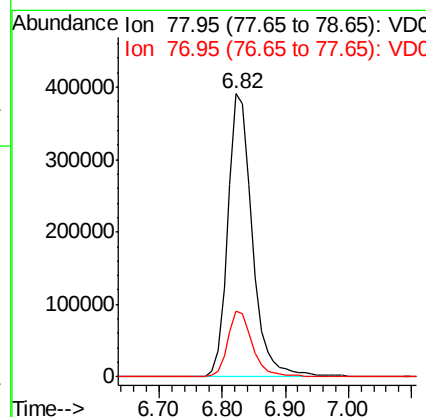
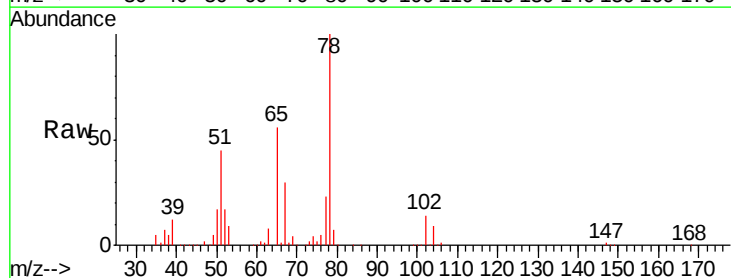
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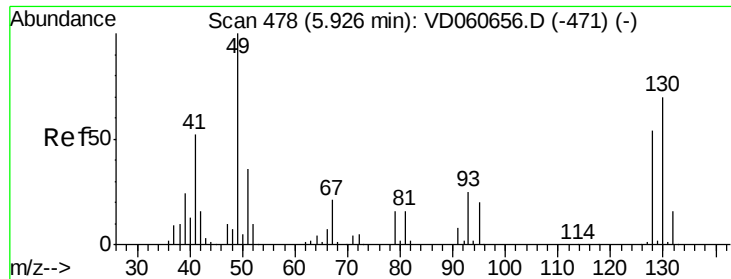
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#40
Benzene
Concen: 17.901 ug/l
RT: 6.82 min Scan# 569
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





#41

Methacrylonitrile

Concen: 17.707 ug/l m

RT: 5.96 min Scan# 481

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 41 Resp: 93249

Ion Ratio Lower Upper

41 100

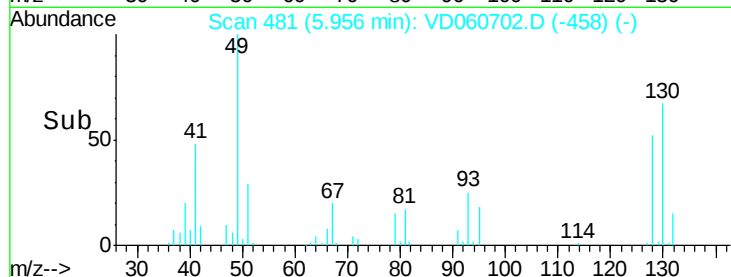
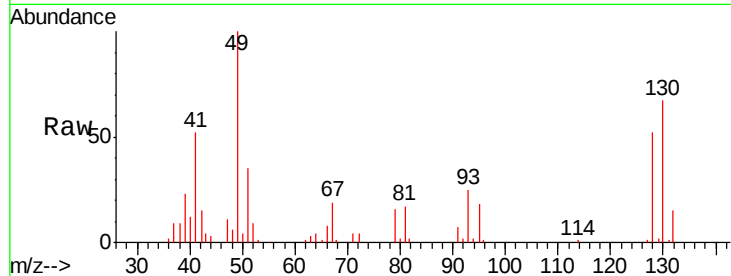
39 45.0 37.6 56.4

67 37.4 33.0 49.6

52 17.7 15.5 23.3

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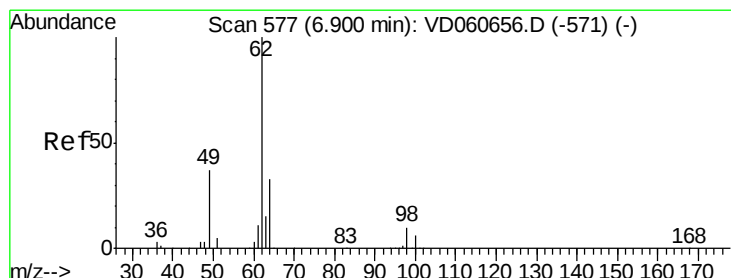
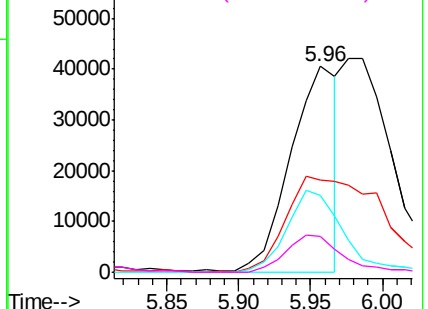


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 17.626 ug/l

RT: 6.93 min Scan# 580

Delta R.T. 0.03 min

Lab File: VD060702.D

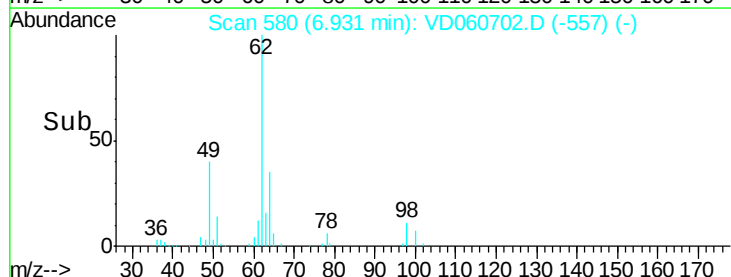
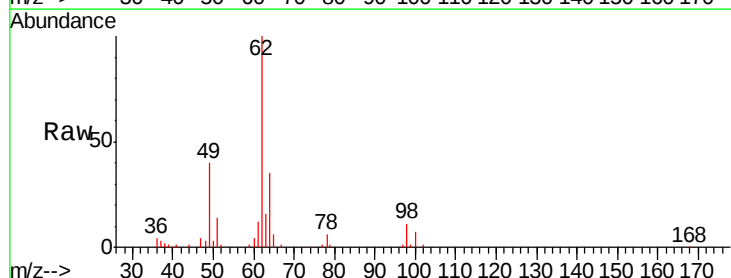
Acq: 22 Dec 2018 12:10

Tgt Ion: 62 Resp: 257190

Ion Ratio Lower Upper

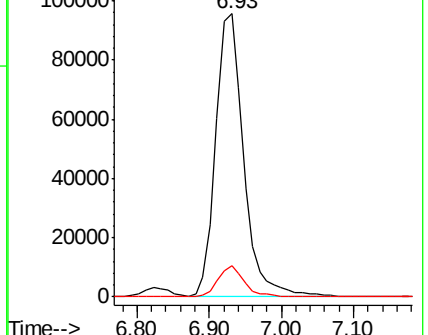
62 100

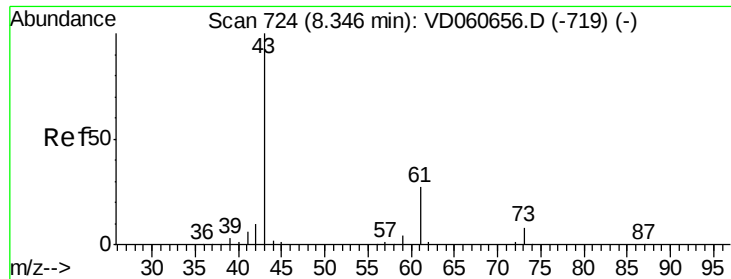
98 10.8 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





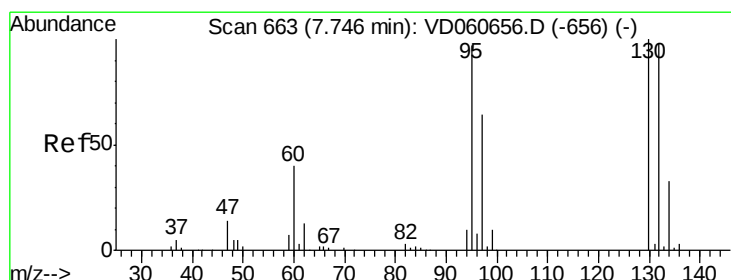
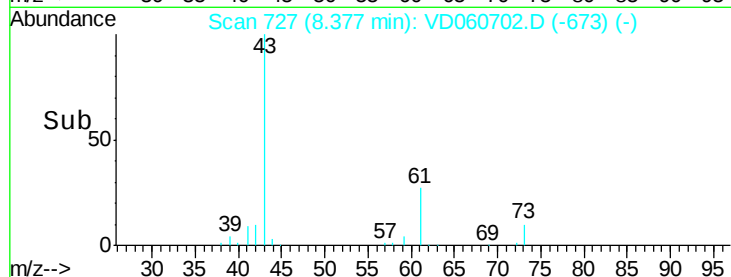
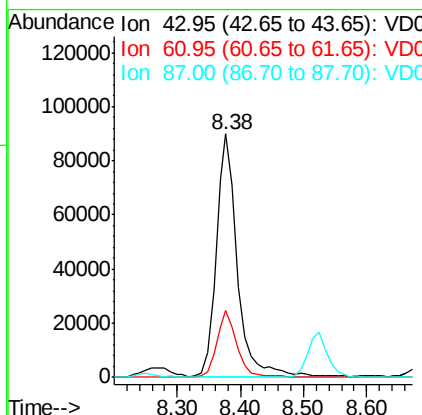
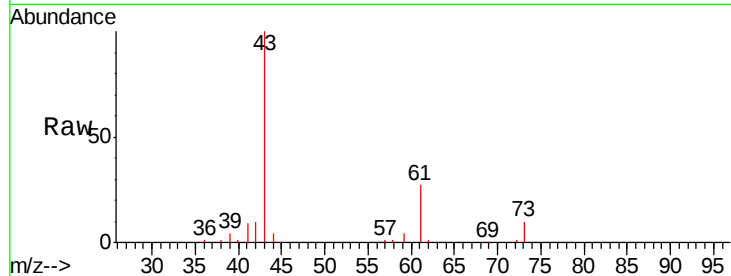
#43
Isopropyl Acetate
Concen: 17.385 ug/l
RT: 8.38 min Scan# 727
Delta R.T. 0.03 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.8	32.8
87	0.0	0.2	0.4

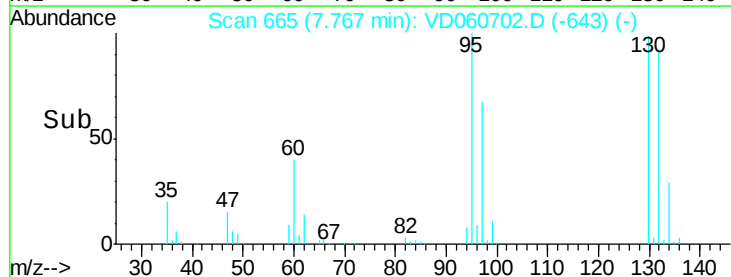
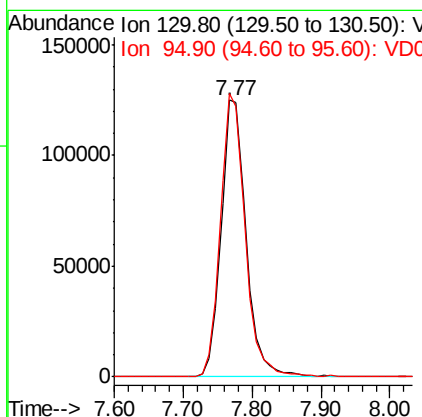
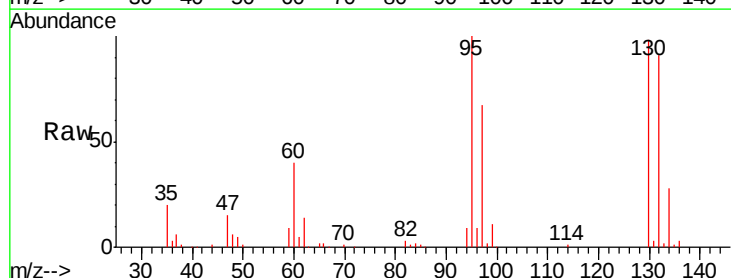
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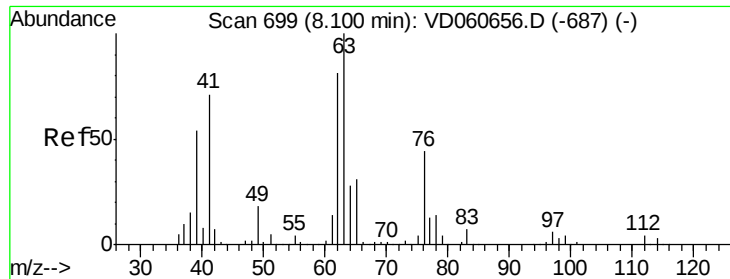
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#44
Trichloroethene
Concen: 17.997 ug/l
RT: 7.77 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	193.6





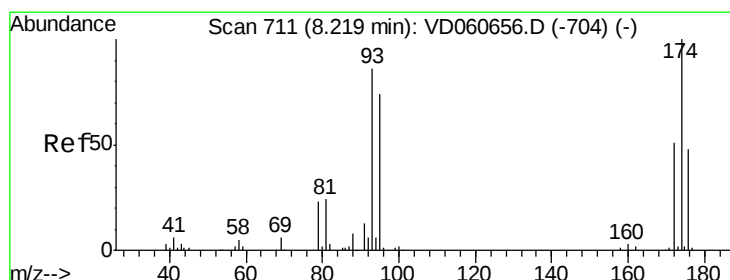
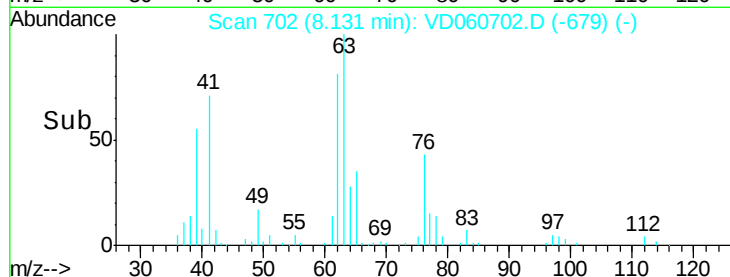
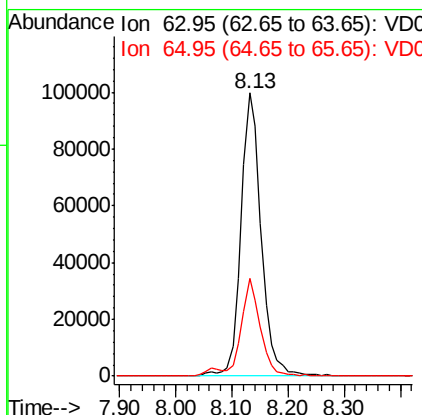
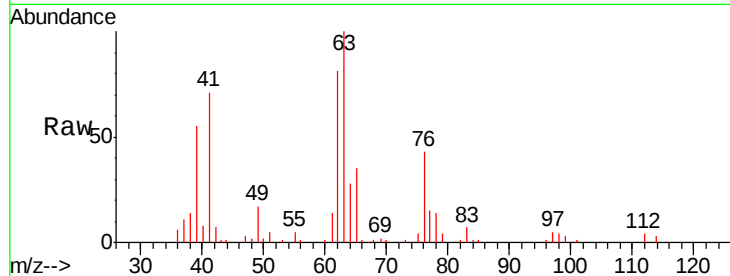
#45
 1,2-Dichloropropane
 Concen: 17.246 ug/l
 RT: 8.13 min Scan# 702
 Delta R.T. 0.03 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion: 63 Resp: 248696
 Ion Ratio Lower Upper
 63 100
 65 34.7 25.0 37.6

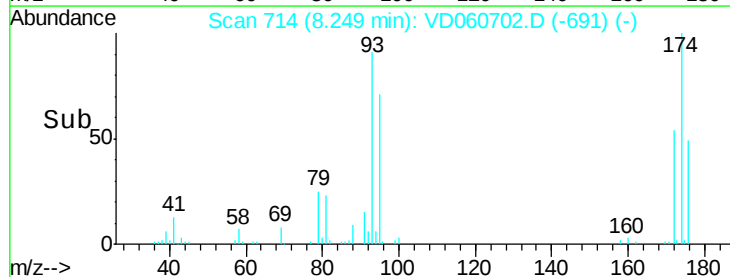
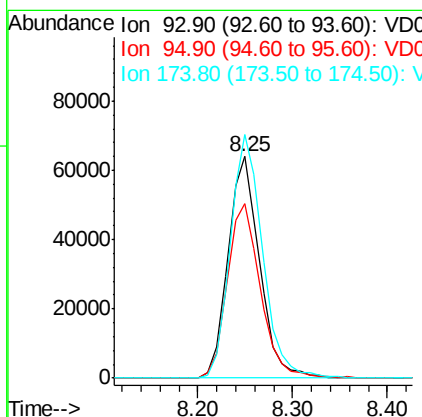
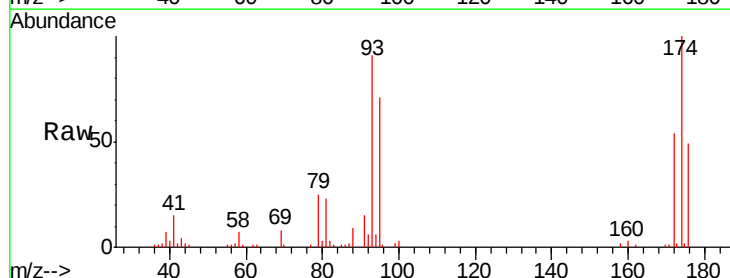
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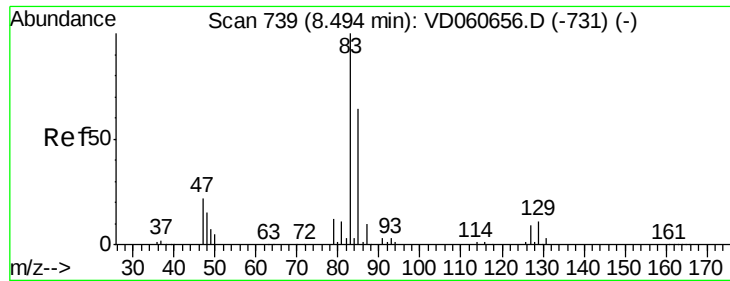
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#46
 Dibromomethane
 Concen: 17.838 ug/l
 RT: 8.25 min Scan# 714
 Delta R.T. 0.03 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion: 93 Resp: 146812
 Ion Ratio Lower Upper
 93 100
 95 78.6 68.8 103.2
 174 109.9 93.0 139.4





#47

Bromodichloromethane

Concen: 18.308 ug/l

RT: 8.52 min Scan# 742

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

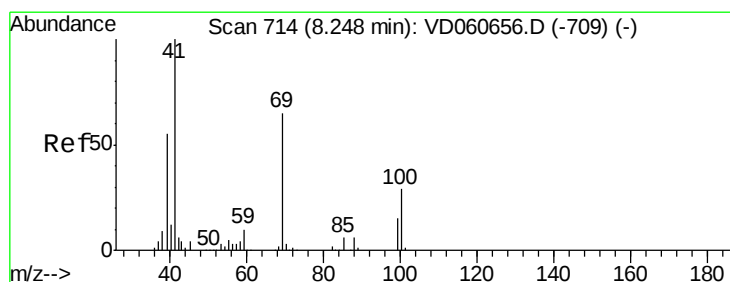
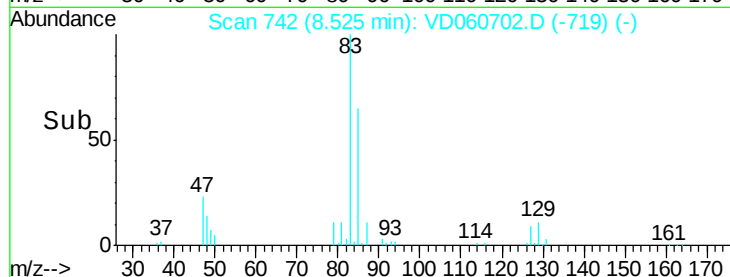
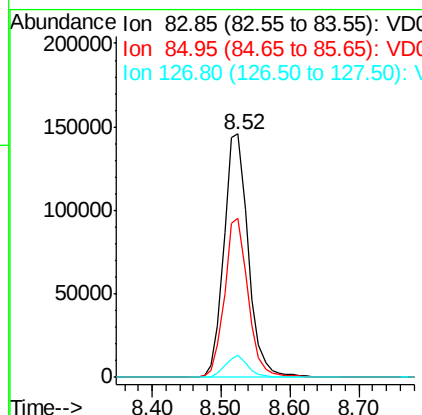
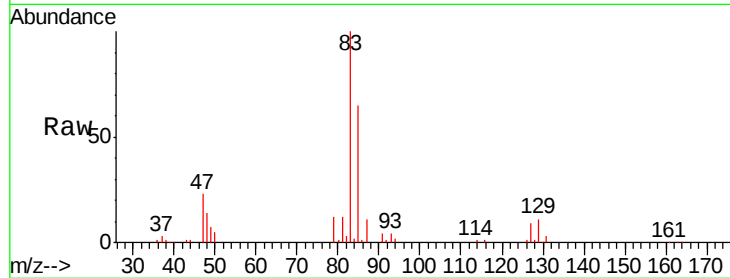
ClientSampleId :

VD1222SBS01

Tgt Ion:	83	Resp:	356877
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.1	76.7
127	8.9	7.0	10.6

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#48

Methyl methacrylate

Concen: 16.762 ug/l

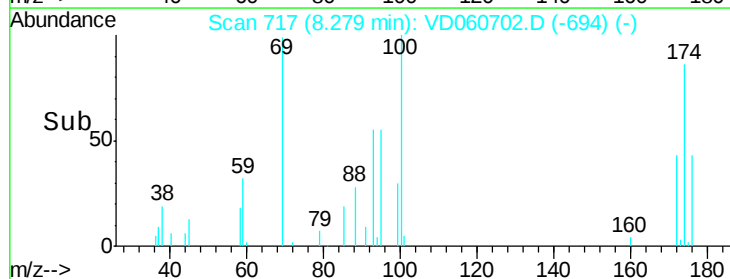
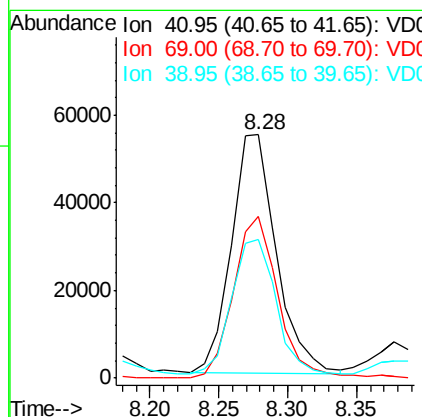
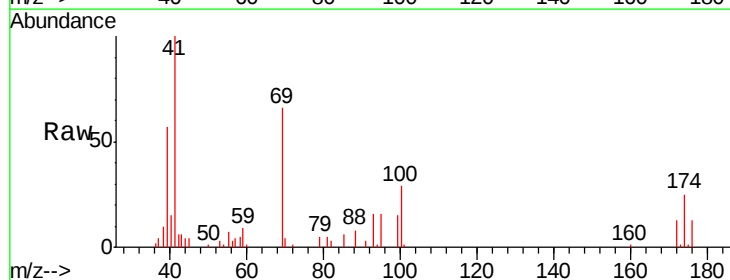
RT: 8.28 min Scan# 717

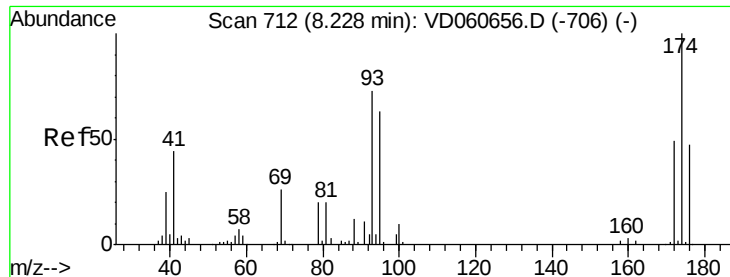
Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Tgt Ion:	41	Resp:	124378
Ion	Ratio	Lower	Upper
41	100		
69	66.4	51.2	76.8
39	57.2	44.6	67.0





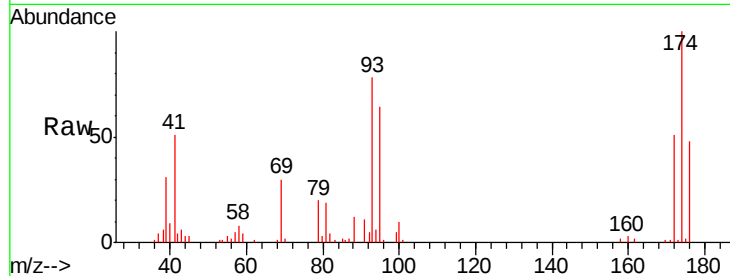
#49
1,4-Dioxane
Concen: 337.100 ug/l
RT: 8.26 min Scan# 715
Delta R.T. 0.03 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

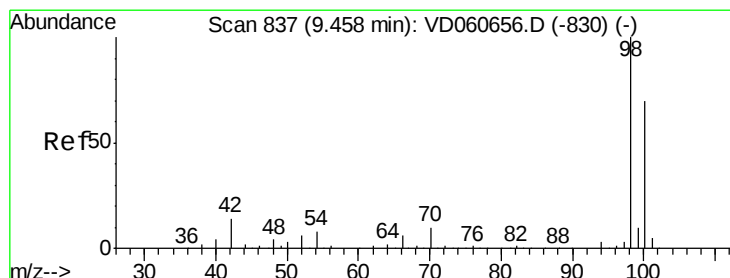
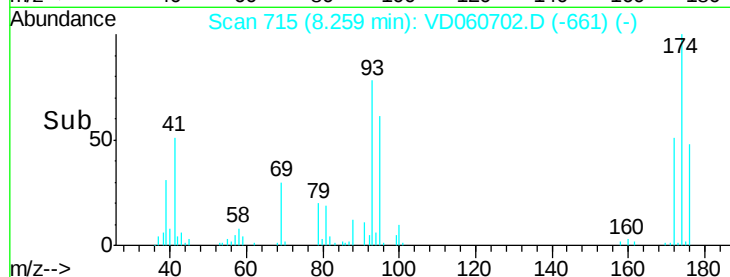
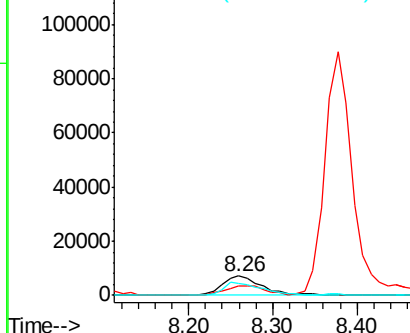
Tgt Ion	Ratio	Resp	Lower	Upper
88	100	23258		
43	45.4	31.5	47.3	
58	61.6	50.6	76.0	

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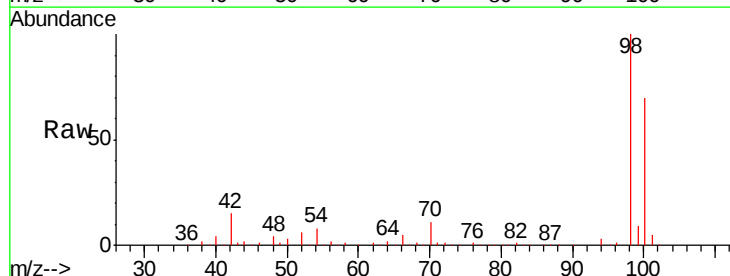


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

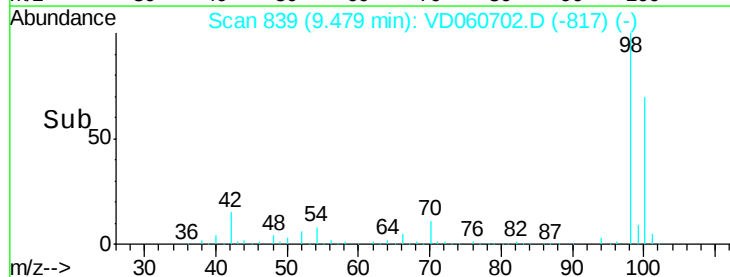
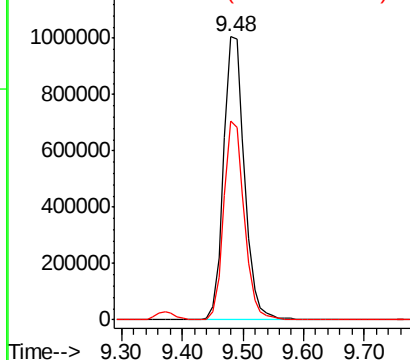


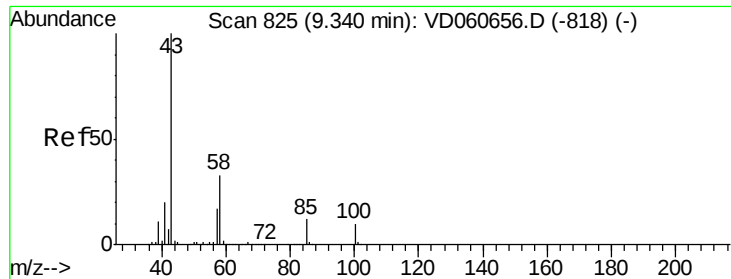
#50
Toluene-d8
Concen: 337.100 ug/l
RT: 9.48 min Scan# 839
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2409942		
100	70.3	55.8	83.8	



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





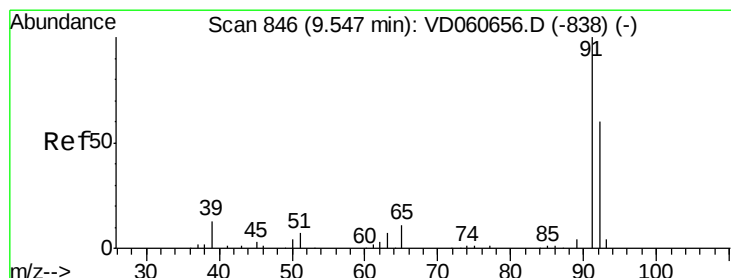
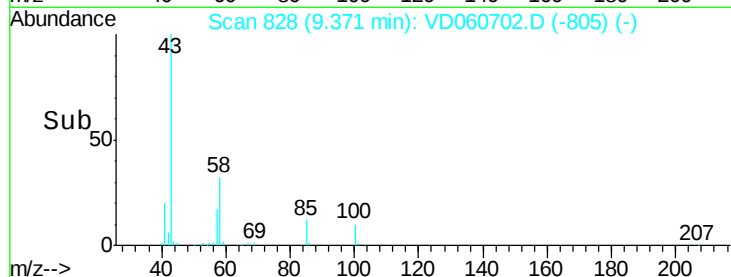
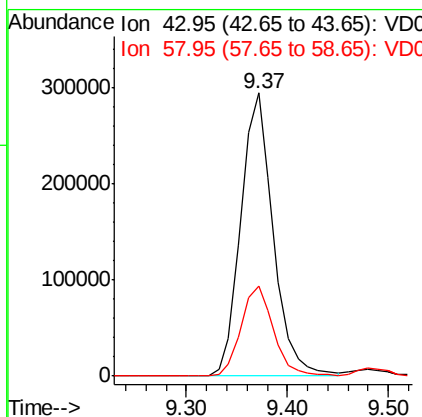
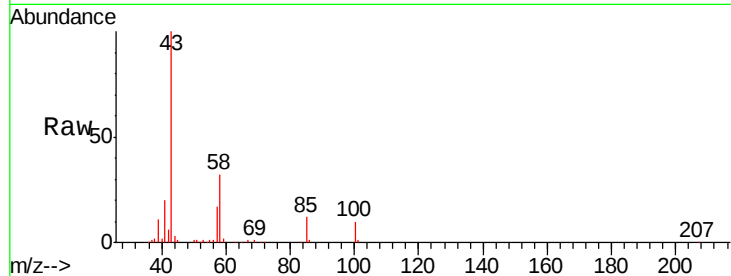
#51
4-Methyl-2-Pentanone
Concen: 87.854 ug/l
RT: 9.37 min Scan# 828
Delta R.T. 0.03 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 43 Resp: 657610
Ion Ratio Lower Upper
43 100
58 32.0 26.3 39.5

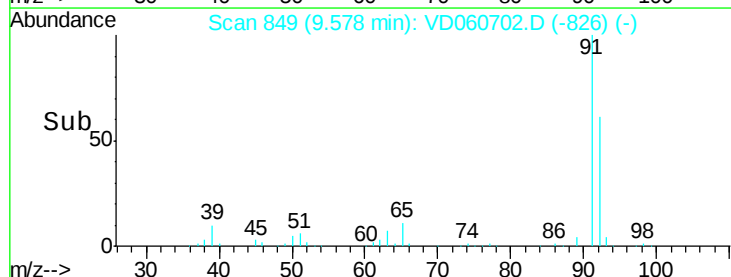
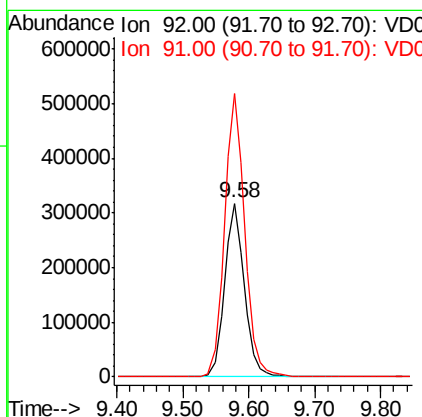
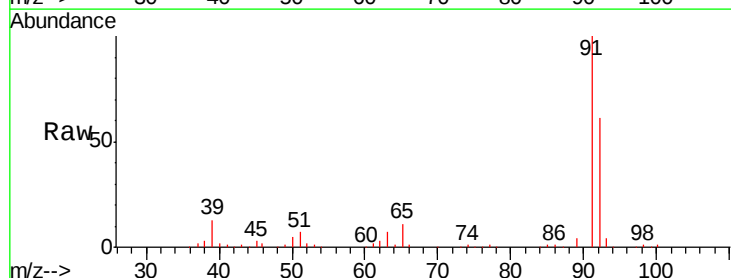
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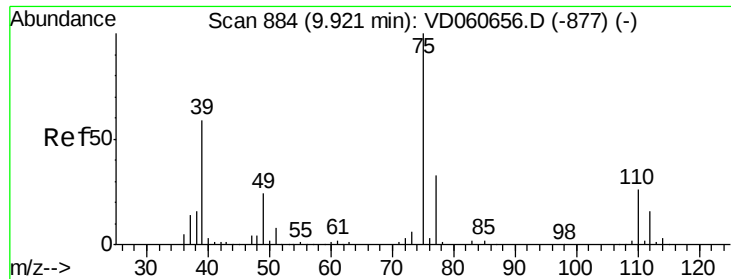
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#52
Toluene
Concen: 18.098 ug/l
RT: 9.58 min Scan# 849
Delta R.T. 0.03 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion: 92 Resp: 667115
Ion Ratio Lower Upper
92 100
91 163.2 132.6 199.0





#53

t-1,3-Dichloropropene

Concen: 17.477 ug/l

RT: 9.94 min Scan# 886

Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 75 Resp: 284230

Ion Ratio Lower Upper

75 100

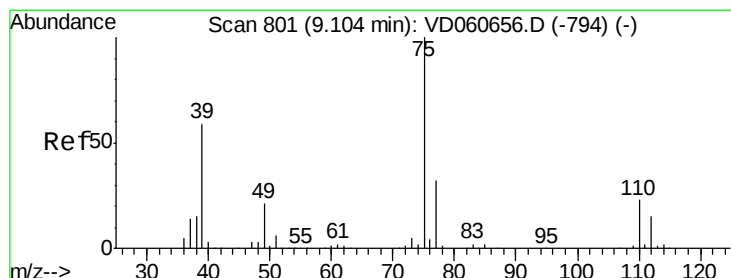
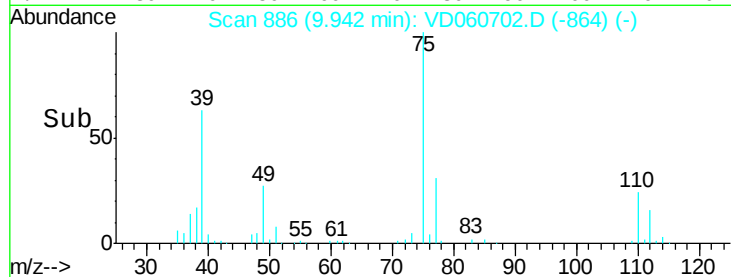
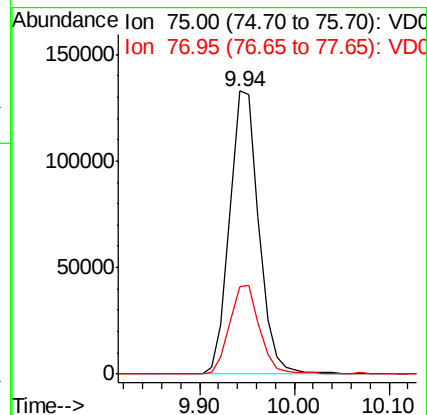
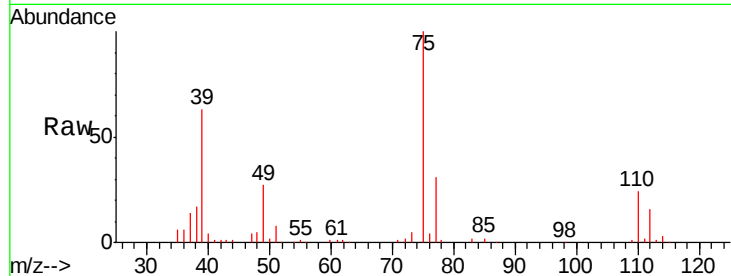
77 31.0 26.0 39.0

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#54

cis-1,3-Dichloropropene

Concen: 17.778 ug/l

RT: 9.14 min Scan# 804

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

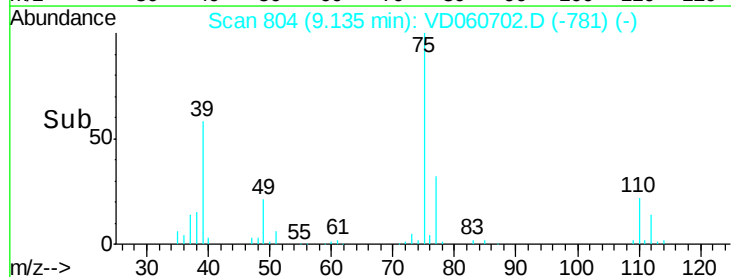
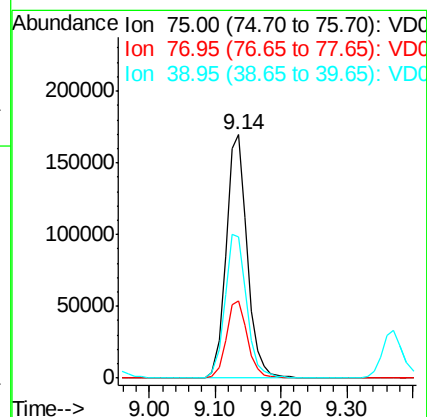
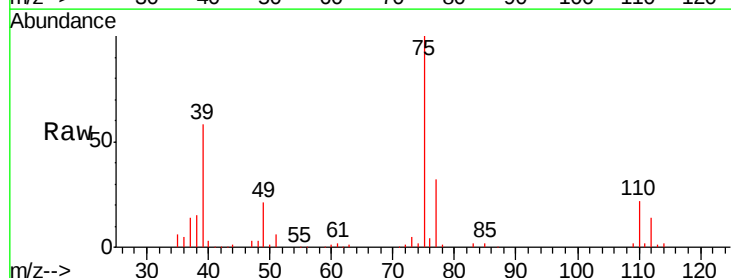
Tgt Ion: 75 Resp: 378420

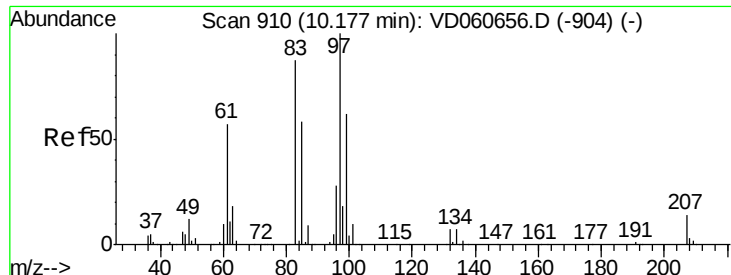
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 58.0 47.0 70.4





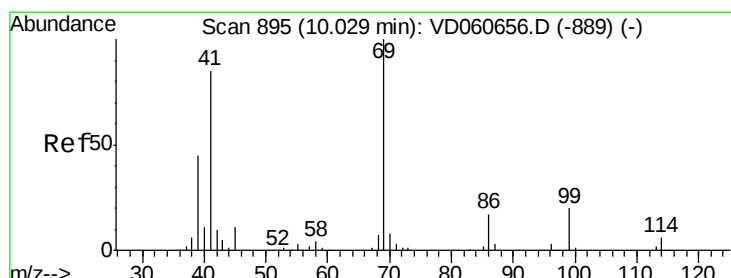
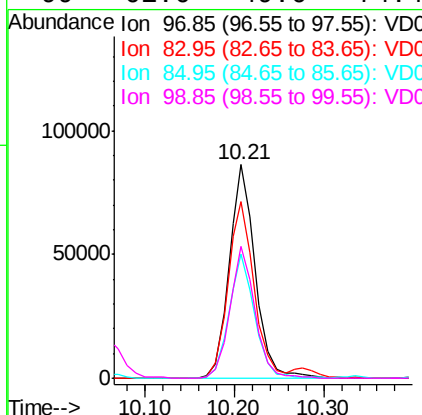
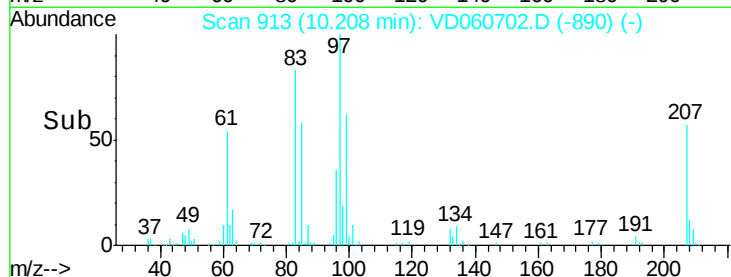
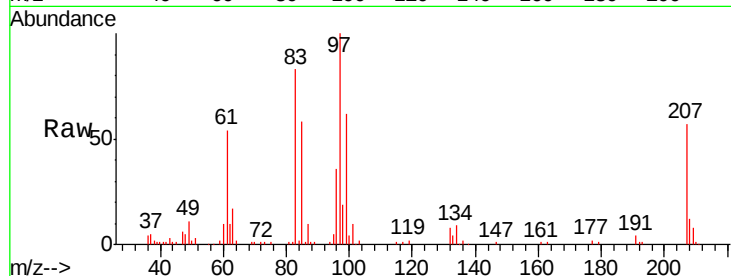
#55
 1,1,2-Trichloroethane
 Concen: 17.754 ug/l
 RT: 10.21 min Scan# 913
 Delta R.T. 0.03 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	176081		
83	83.0	70.0	105.0	
85	58.1	46.6	70.0	
99	61.6	49.6	74.4	

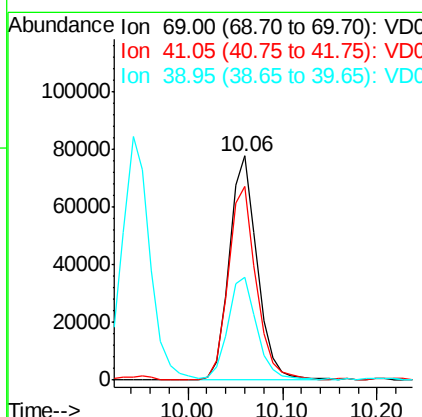
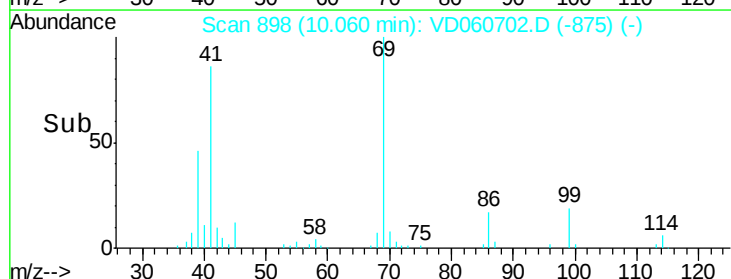
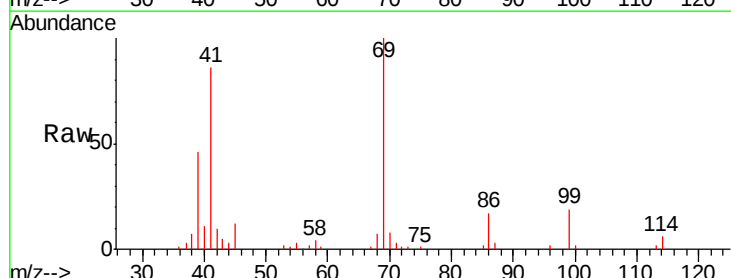
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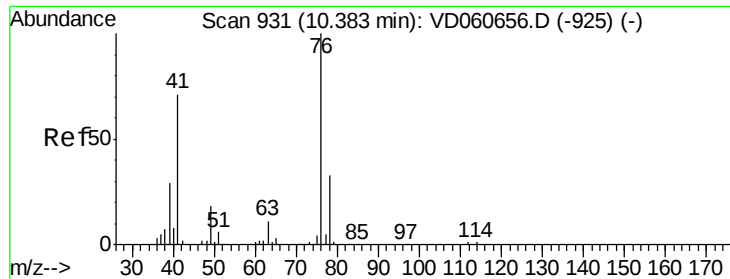
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#56
 Ethyl methacrylate
 Concen: 17.140 ug/l
 RT: 10.06 min Scan# 898
 Delta R.T. 0.03 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	157892		
41	86.3	68.3	102.5	
39	45.6	37.2	55.8	





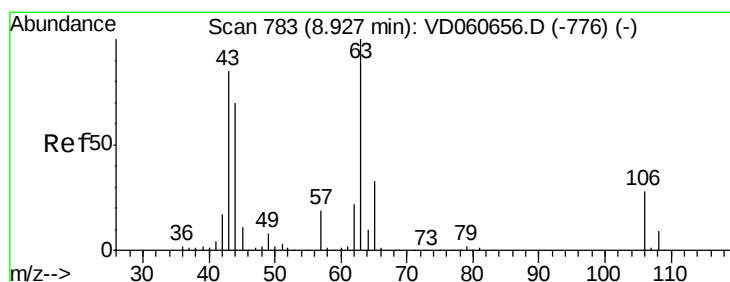
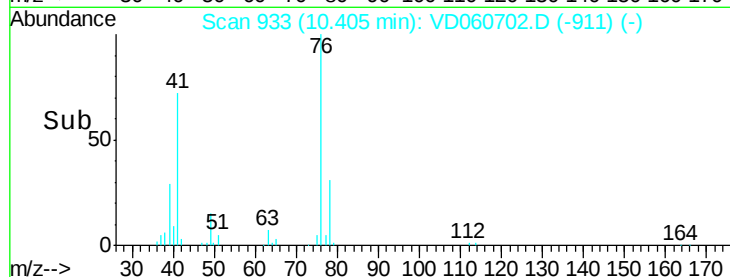
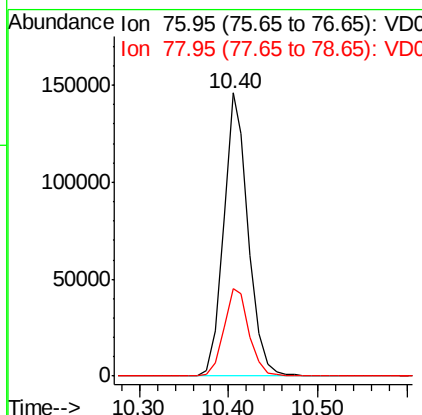
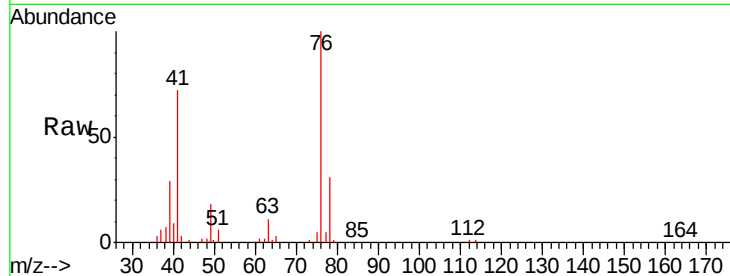
#57
 1,3-Dichloropropane
 Concen: 17.867 ug/l
 RT: 10.40 min Scan# 933
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion: 76 Resp: 280881
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.1 39.1

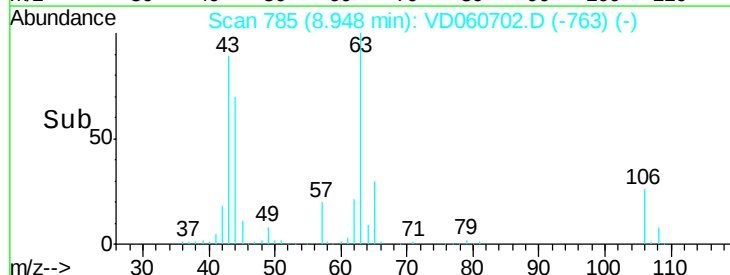
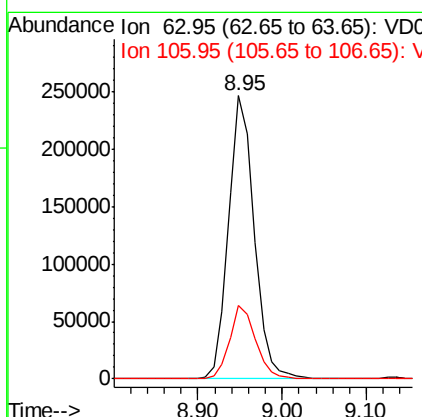
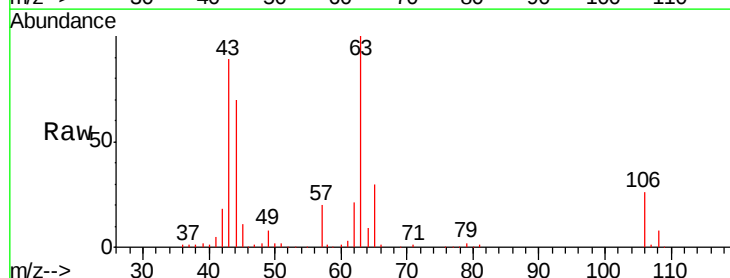
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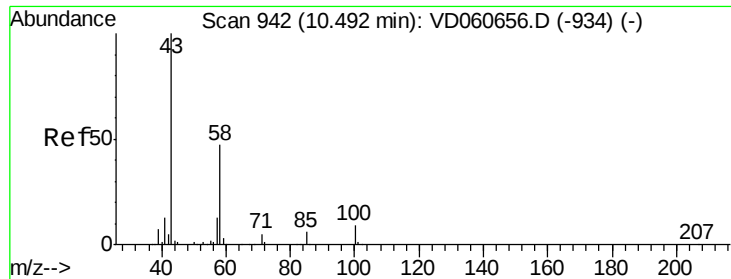
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 96.584 ug/l
 RT: 8.95 min Scan# 785
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion: 63 Resp: 524257
 Ion Ratio Lower Upper
 63 100
 106 26.0 22.4 33.6





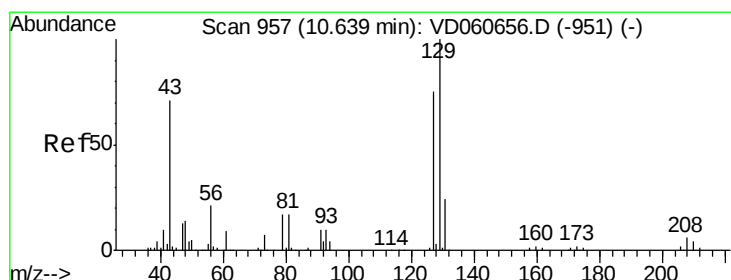
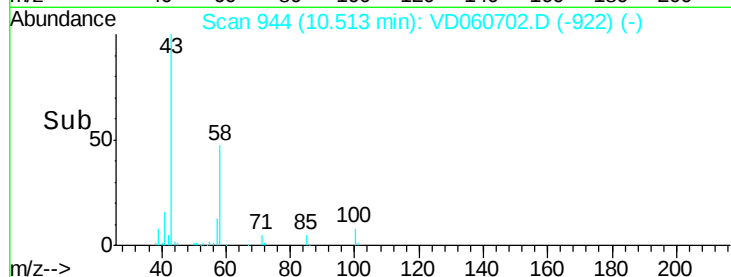
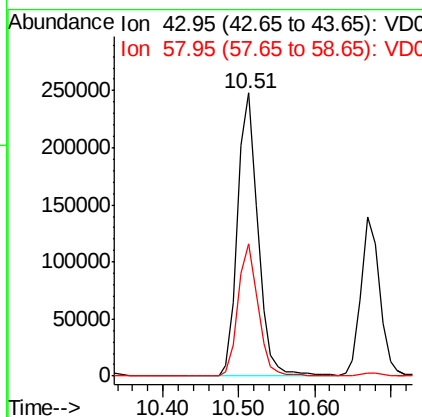
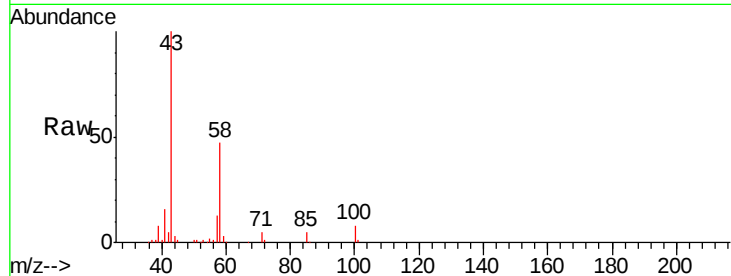
#59
2-Hexanone
Concen: 87.626 ug/l
RT: 10.51 min Scan# 944
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 43 Resp: 459107
Ion Ratio Lower Upper
43 100
58 46.5 23.5 70.5

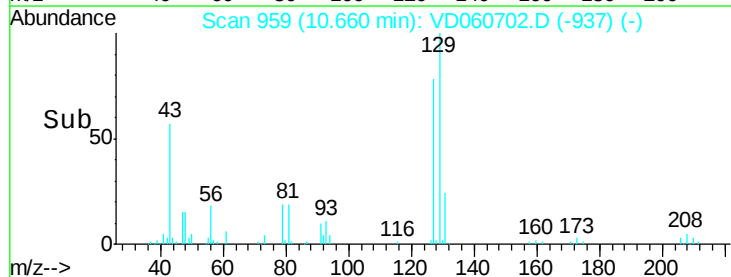
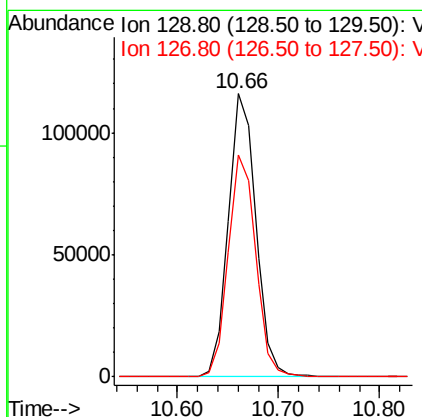
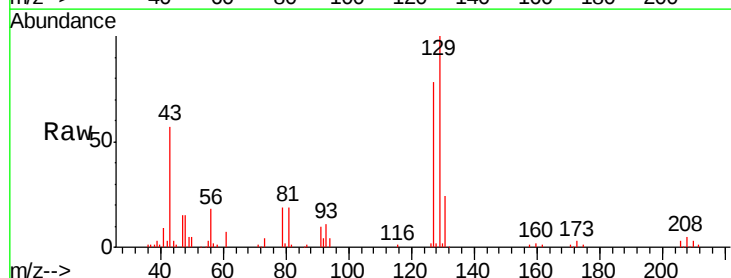
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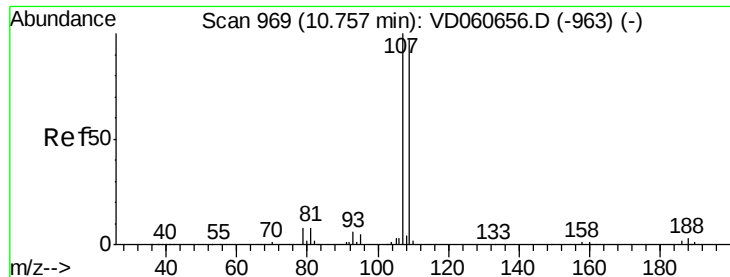
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#60
Dibromochloromethane
Concen: 17.401 ug/l
RT: 10.66 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion: 129 Resp: 219830
Ion Ratio Lower Upper
129 100
127 78.3 37.6 112.9





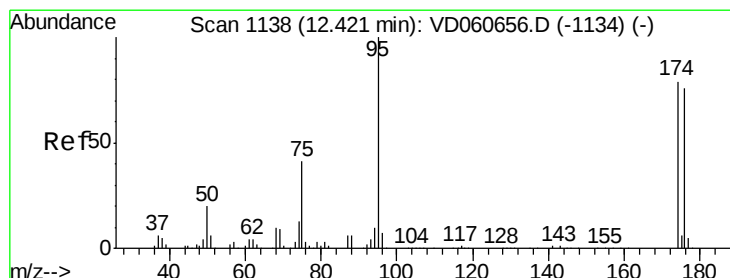
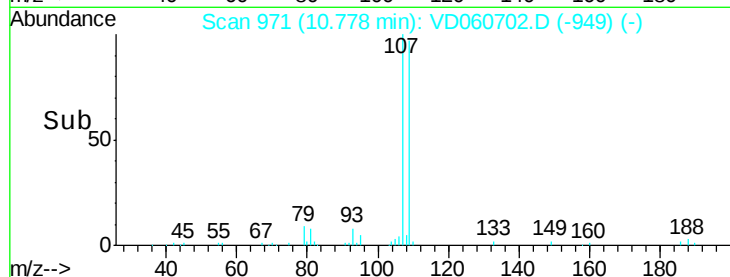
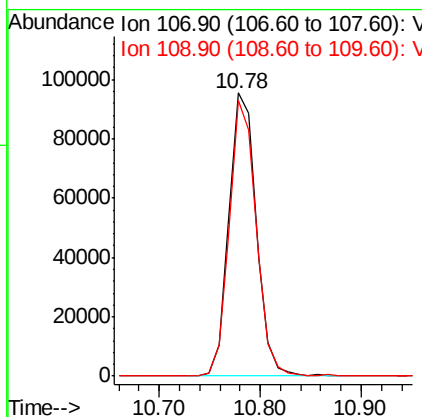
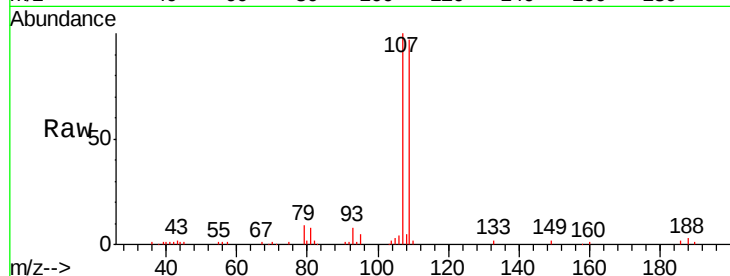
#61
 1,2-Dibromoethane
 Concen: 17.354 ug/l
 RT: 10.78 min Scan# 971
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	178523		
109	97.2	78.0	117.0	

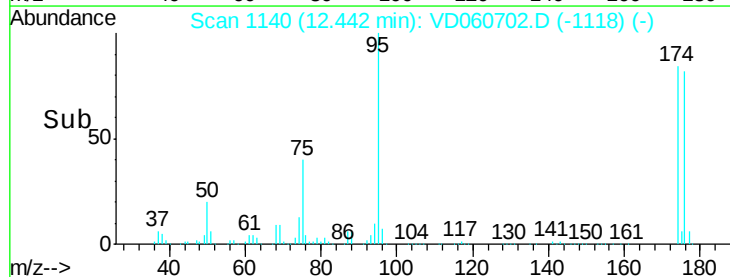
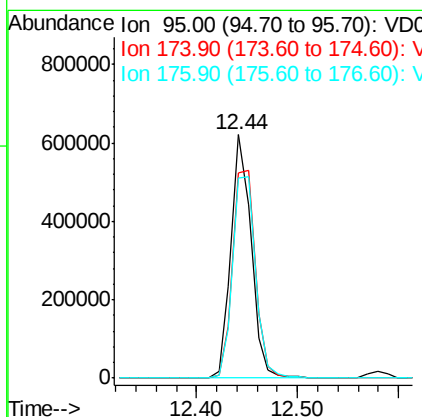
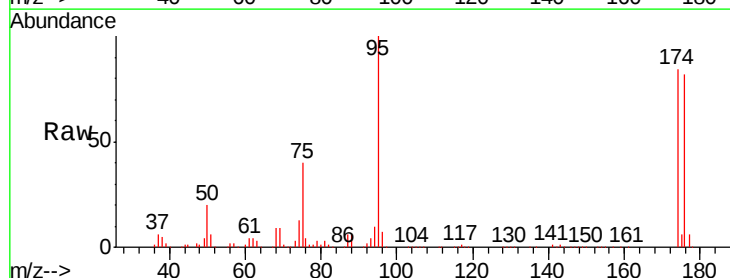
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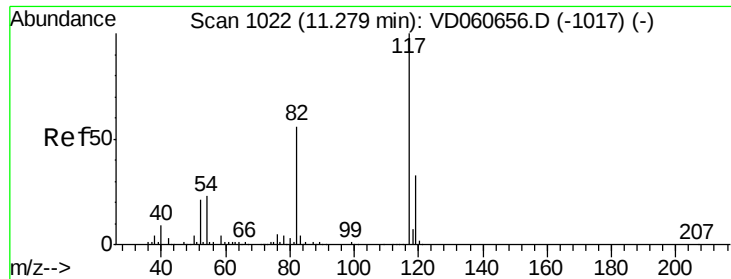
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#62
 4-Bromofluorobenzene
 Concen: 17.354 ug/l
 RT: 12.44 min Scan# 1140
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	861596		
174	84.4	0.0	158.2	
176	82.1	0.0	152.4	





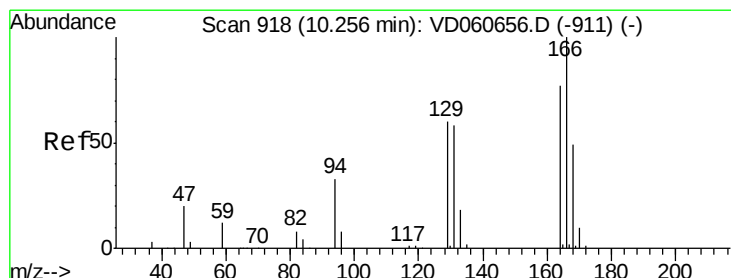
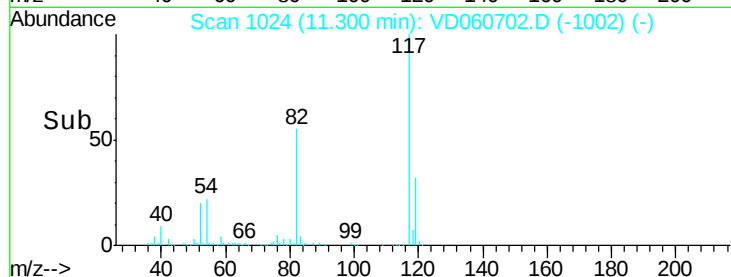
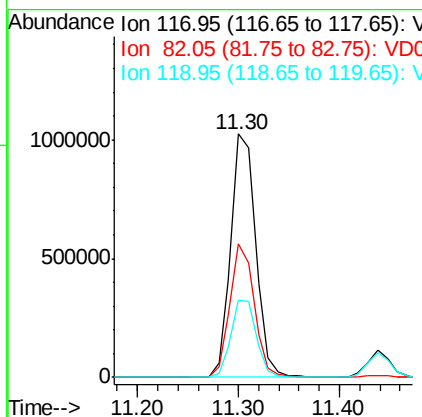
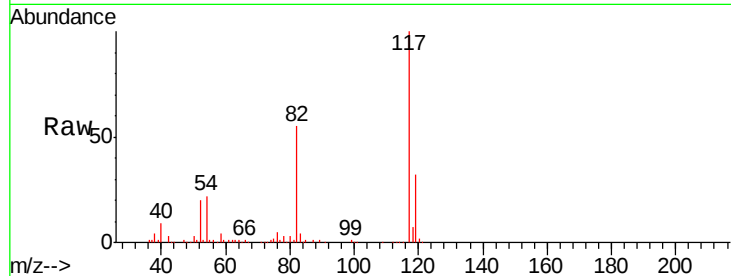
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion:117 Resp: 1762609
Ion Ratio Lower Upper
117 100
82 54.7 44.5 66.7
119 31.8 26.3 39.5

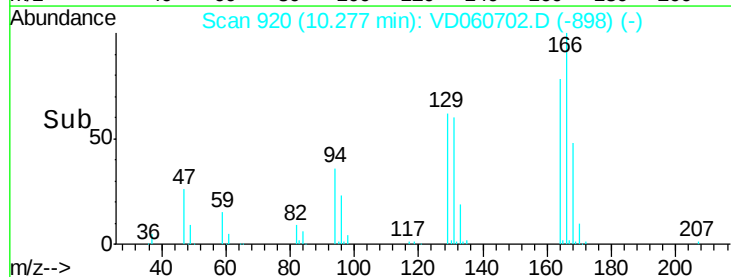
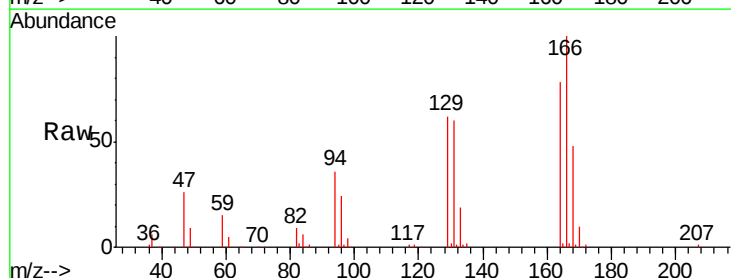
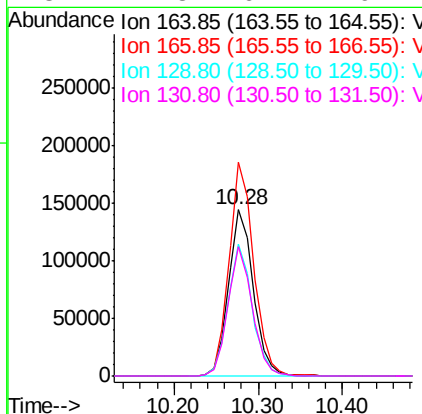
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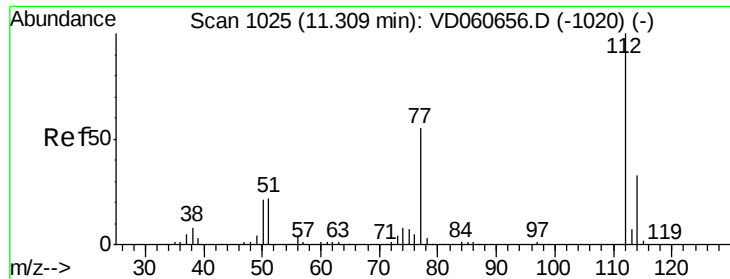
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#64
Tetrachloroethene
Concen: 18.497 ug/l
RT: 10.28 min Scan# 920
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion:164 Resp: 295503
Ion Ratio Lower Upper
164 100
166 128.6 104.4 156.6
129 79.4 62.7 94.1
131 77.8 61.1 91.7





#65

Chlorobenzene

Concen: 18.036 ug/l

RT: 11.34 min Scan# 1028

Delta R.T. 0.03 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion:112 Resp: 702383

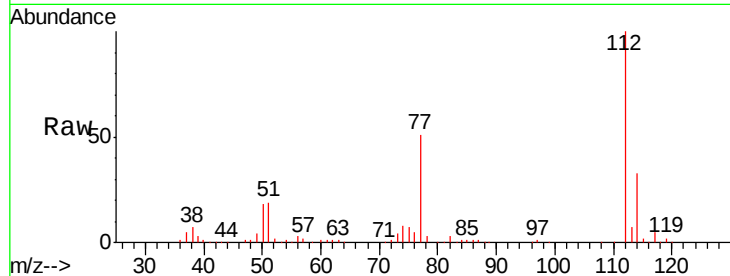
Ion Ratio Lower Upper

112 100

114 33.1 26.1 39.1

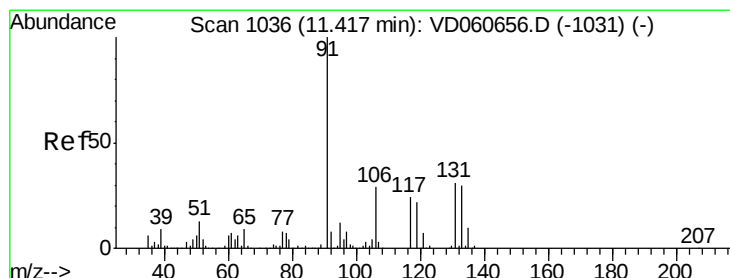
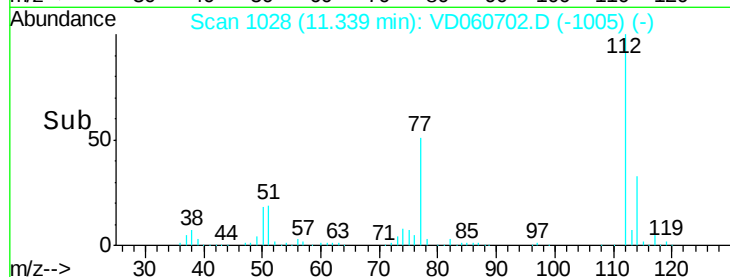
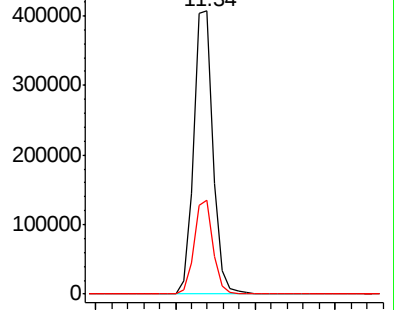
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.695 ug/l

RT: 11.44 min Scan# 1038

Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

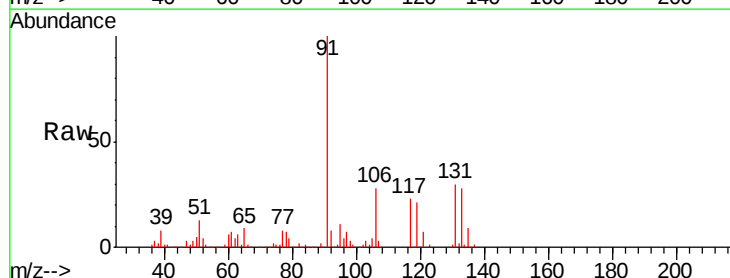
Tgt Ion:131 Resp: 234078

Ion Ratio Lower Upper

131 100

133 94.5 49.1 147.3

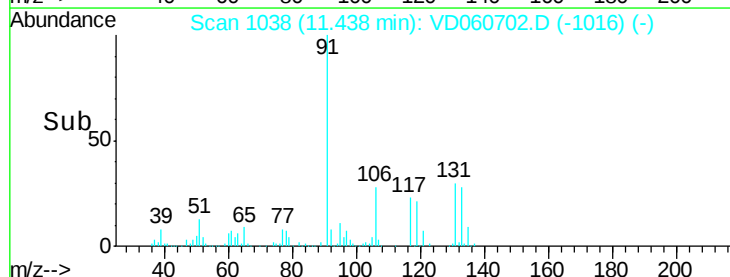
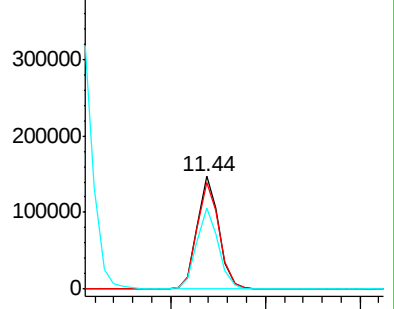
119 71.6 36.6 109.8

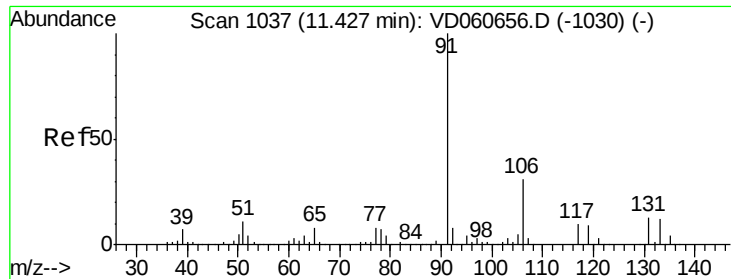


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





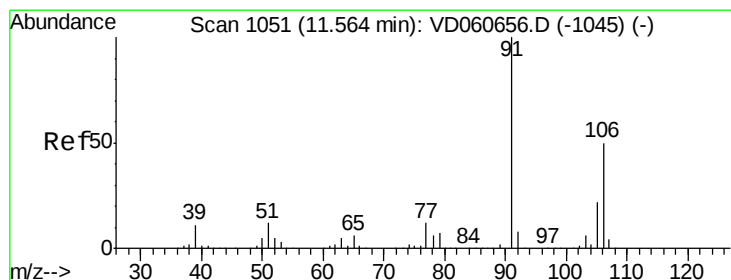
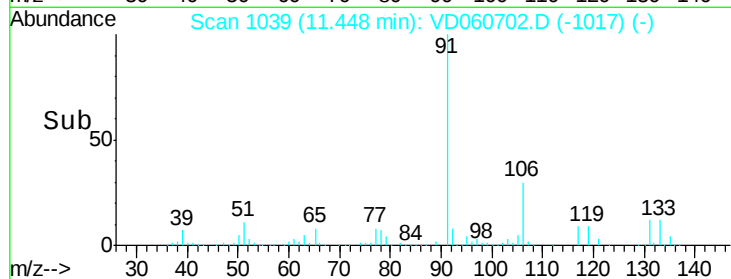
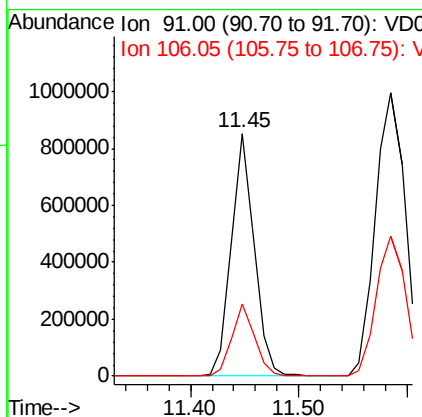
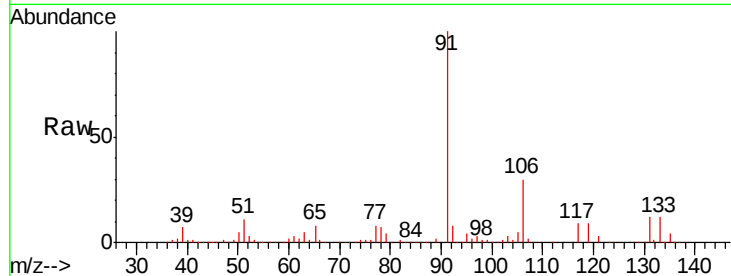
#67
Ethyl Benzene
Concen: 19.074 ug/l
RT: 11.45 min Scan# 1039
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 91 Resp: 1272119
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8

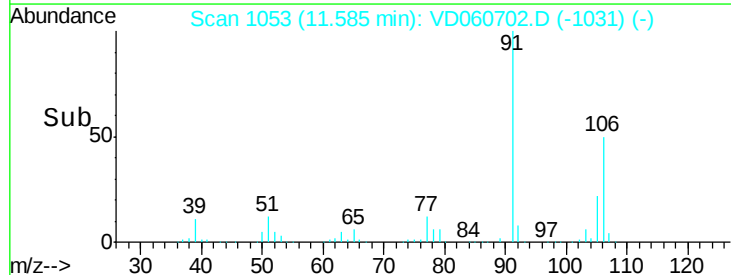
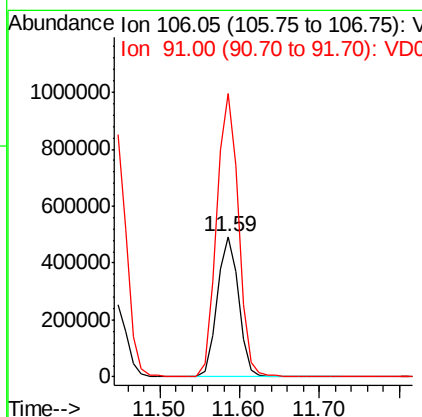
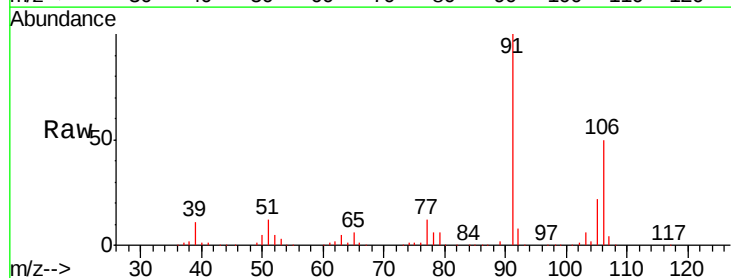
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#68
m/p-Xylenes
Concen: 38.439 ug/l
RT: 11.59 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion: 106 Resp: 936873
Ion Ratio Lower Upper
106 100
91 202.0 158.9 238.3





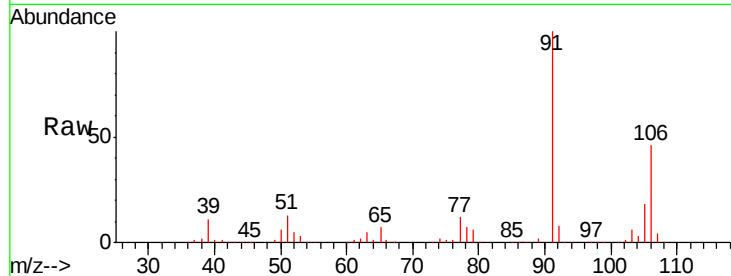
#69
o-Xylene
Concen: 18.972 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

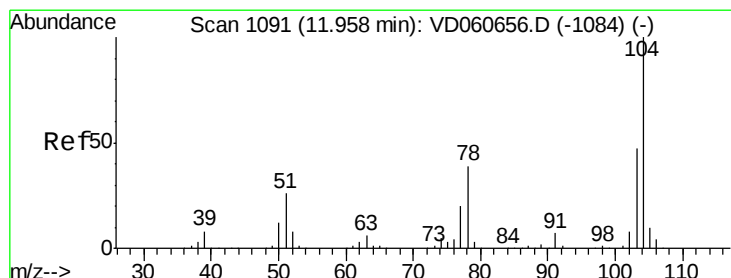
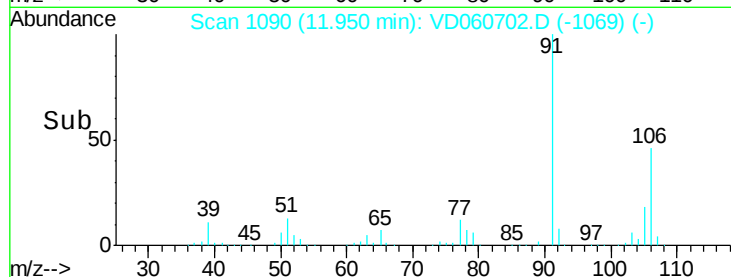
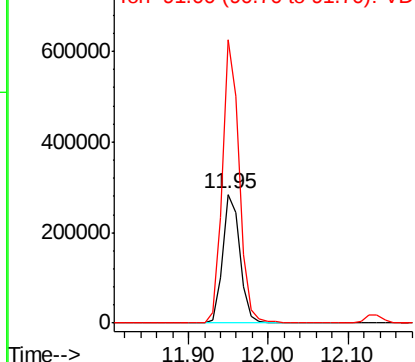
Tgt Ion:106 Resp: 438702
Ion Ratio Lower Upper
106 100
91 219.5 101.5 304.5

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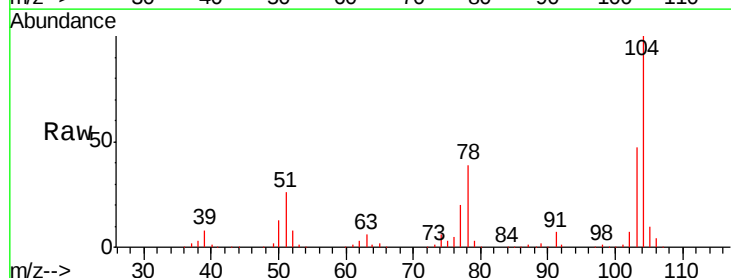


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

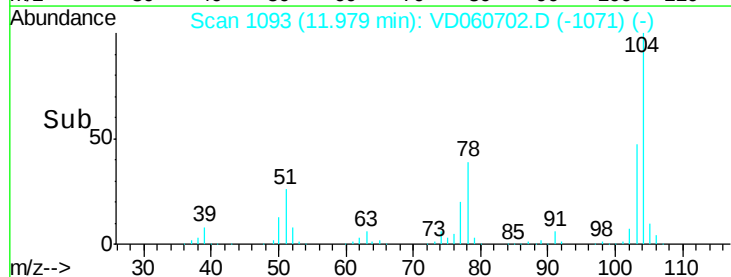
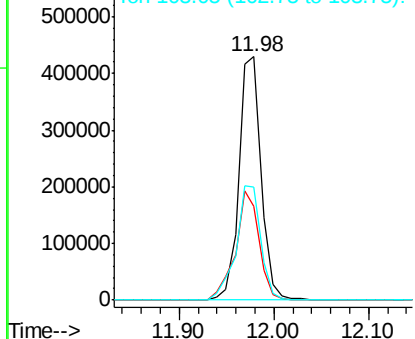


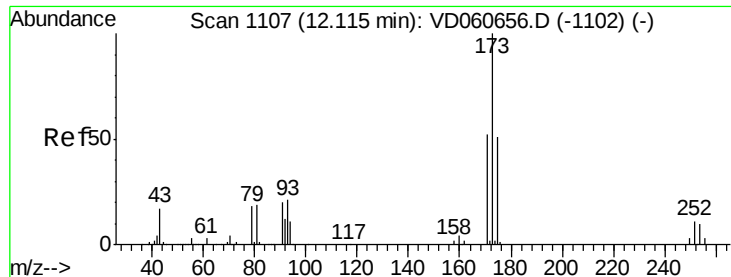
#70
Styrene
Concen: 18.701 ug/l
RT: 11.98 min Scan# 1093
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion:104 Resp: 696465
Ion Ratio Lower Upper
104 100
78 38.6 31.4 47.2
103 46.6 37.5 56.3



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





#71

Bromoform

Concen: 17.183 ug/l

RT: 12.14 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

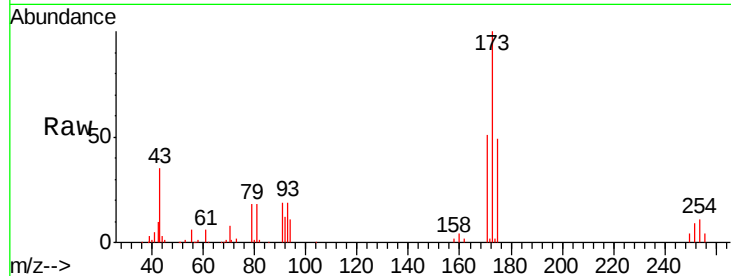
ClientSampleId :

VD1222SBS01

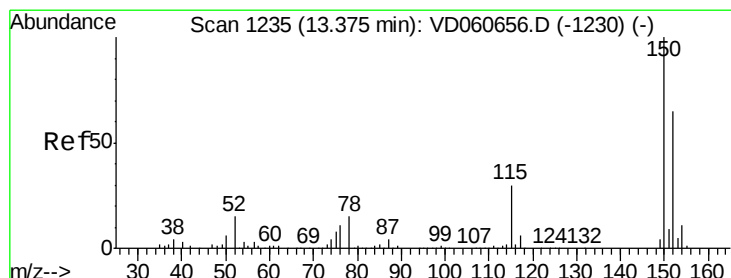
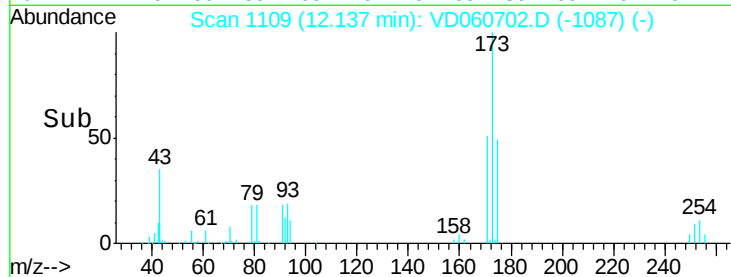
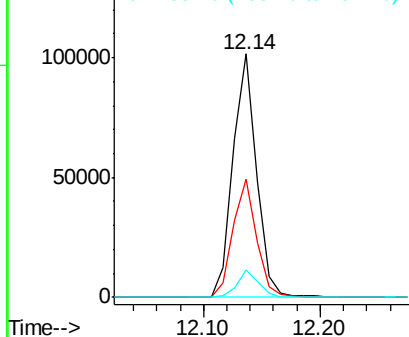
Tgt Ion:	173	Resp:	142021
Ion Ratio	Lower	Upper	
173	100		
175	48.7	25.5	76.5
254	11.2	7.9	11.9

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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

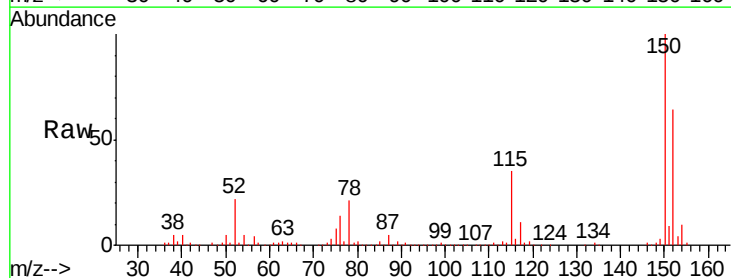
RT: 13.39 min Scan# 1236

Delta R.T. 0.01 min

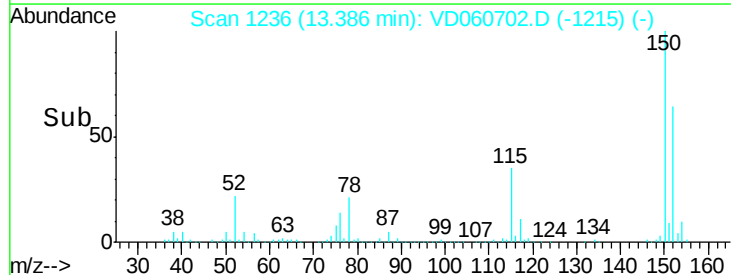
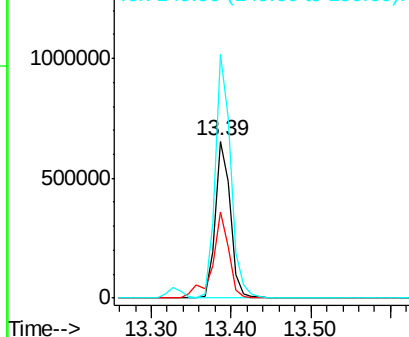
Lab File: VD060702.D

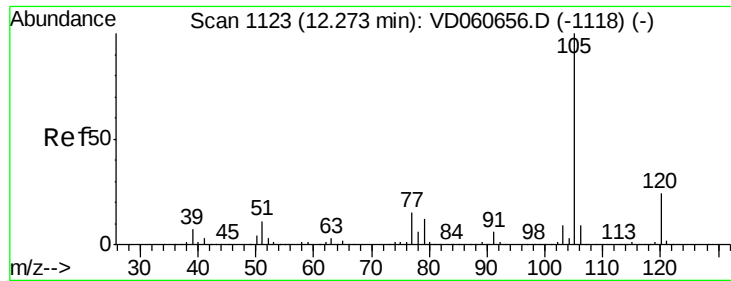
Acq: 22 Dec 2018 12:10

Tgt Ion:	152	Resp:	880363
Ion Ratio	Lower	Upper	
152	100		
115	54.5	24.1	72.3
150	155.0	0.0	315.0



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





#73

Isopropylbenzene

Concen: 19.404 ug/l

RT: 12.29 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 105 Resp: 1216258

Ion Ratio Lower Upper

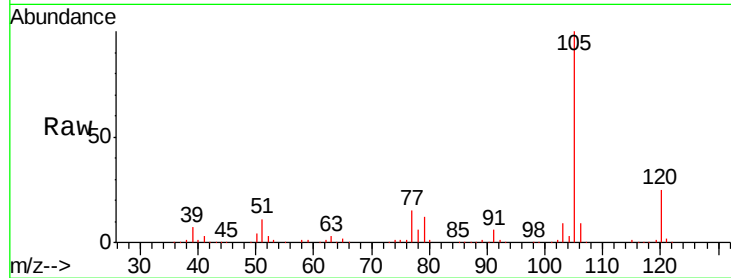
105 100

120 24.7 12.2 36.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

400000

200000

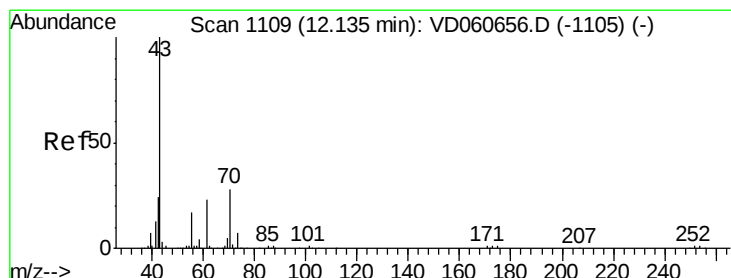
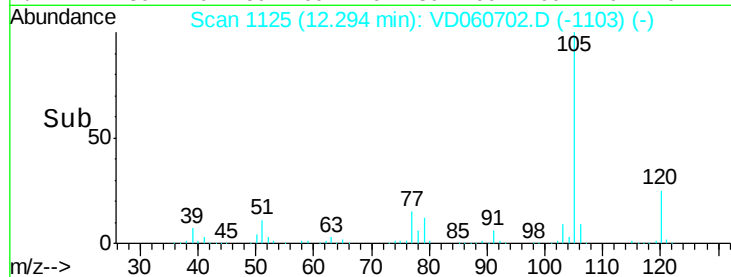
0

12.29

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 18.073 ug/l

RT: 12.15 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Tgt Ion: 43 Resp: 267354

Ion Ratio Lower Upper

43 100

70 25.8 22.2 33.2

55 18.1 13.8 20.8

61 21.3 18.2 27.2

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

250000

200000

150000

100000

50000

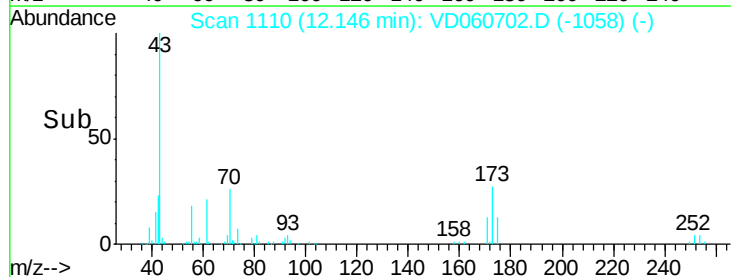
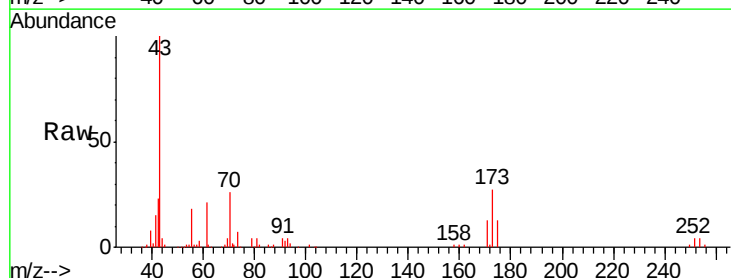
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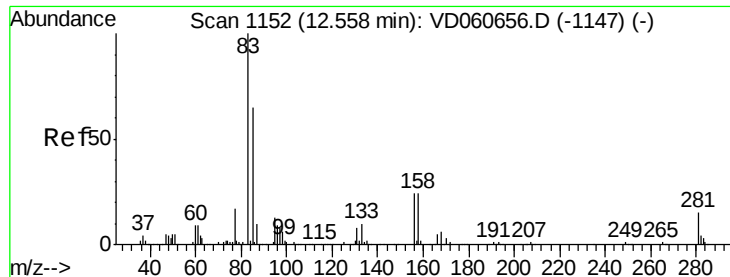
12.15

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.988 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 83 Resp: 192914

Ion Ratio Lower Upper

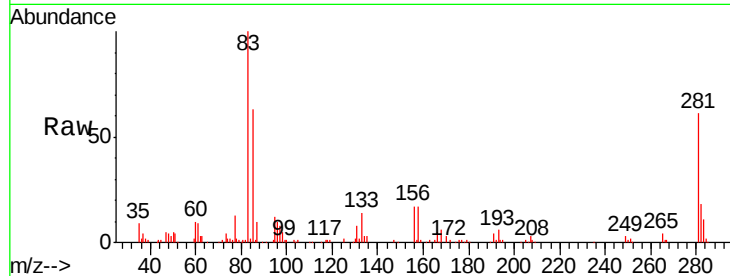
83 100

131 7.9 4.2 12.4

85 63.0 32.6 97.7

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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

150000

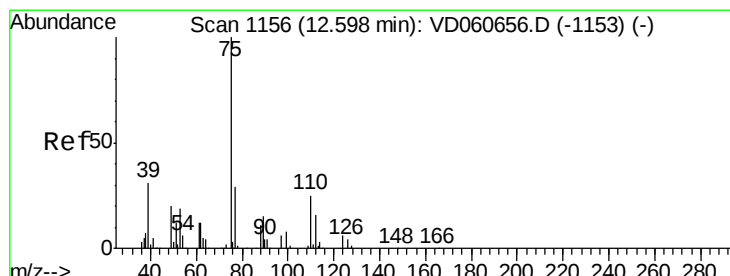
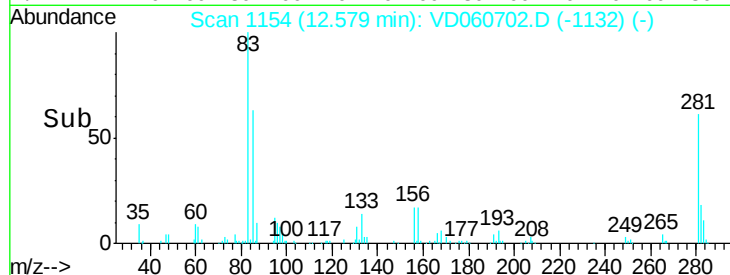
100000

50000

0

12.50 12.60 12.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.567 ug/l

RT: 12.61 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VD060702.D

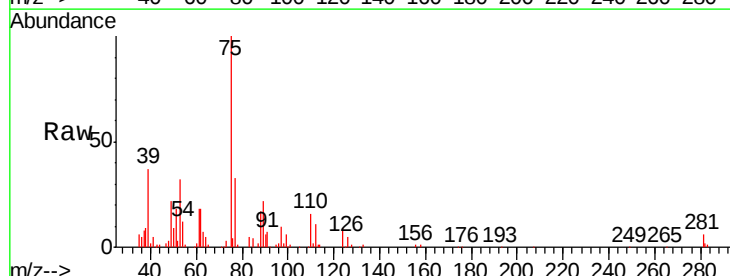
Acq: 22 Dec 2018 12:10

Tgt Ion: 75 Resp: 186093

Ion Ratio Lower Upper

75 100

77 32.6 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

300000

250000

200000

150000

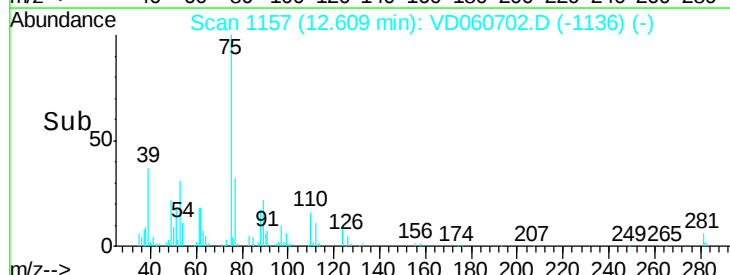
100000

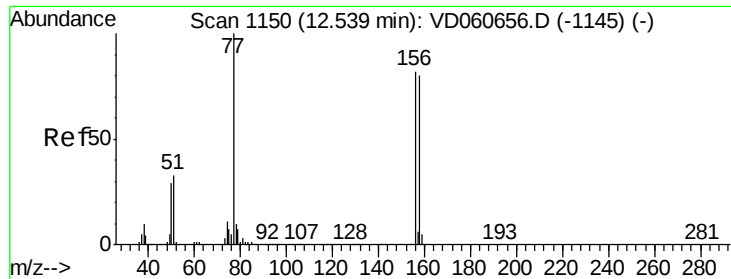
50000

0

12.55 12.60 12.65 12.70

Time-->





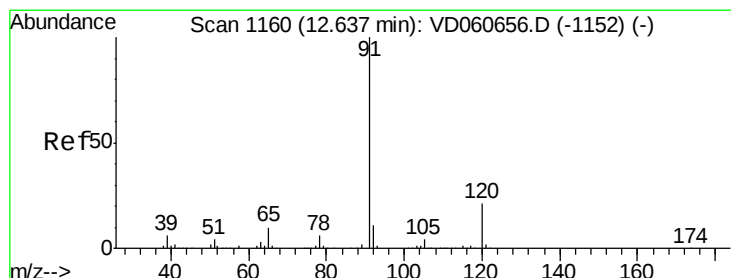
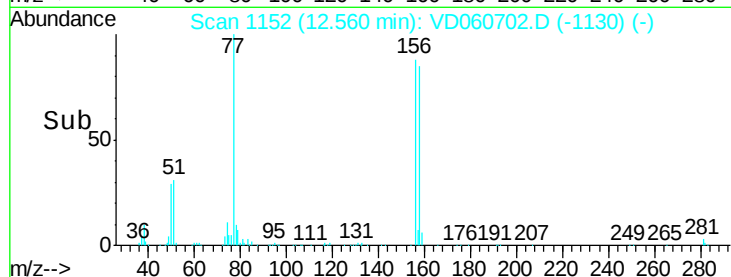
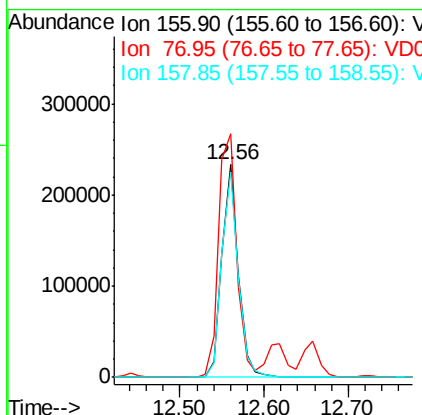
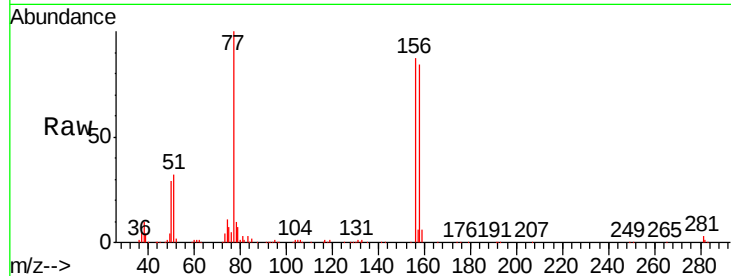
#77
Bromobenzene
Concen: 19.103 ug/l
RT: 12.56 min Scan# 1152
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	316121		
77	114.6	61.3	183.9	
158	96.4	48.9	146.6	

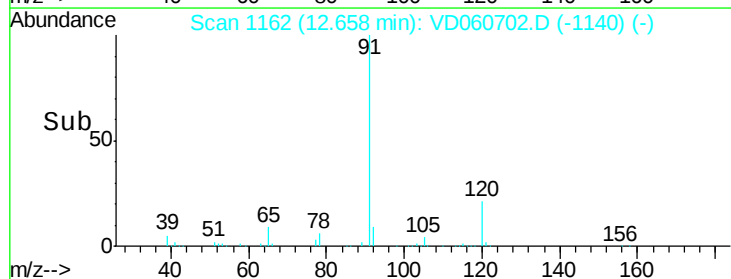
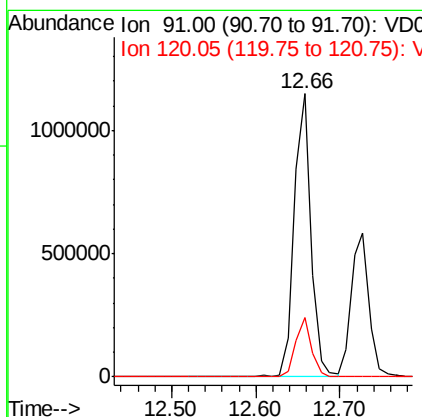
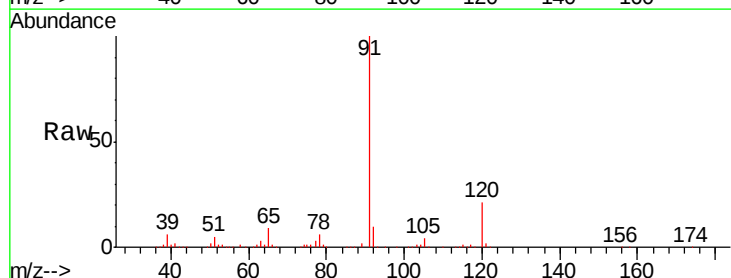
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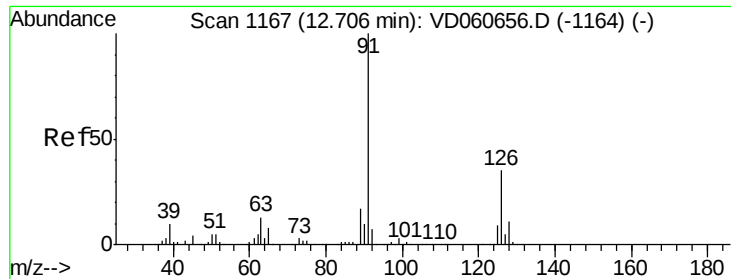
MMDadoda
12/26/2018 11:04:11 AM



#78
n-propylbenzene
Concen: 19.785 ug/l
RT: 12.66 min Scan# 1162
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1585402		
120	20.8	10.4	31.2	





#79

2-Chlorotoluene

Concen: 19.310 ug/l

RT: 12.73 min Scan# 1169

Delta R.T. 0.02 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 91 Resp: 828782

Ion Ratio Lower Upper

91 100

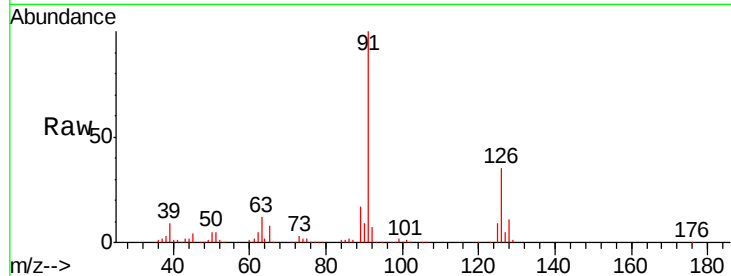
126 35.0 17.2 51.5

Manual Integrations

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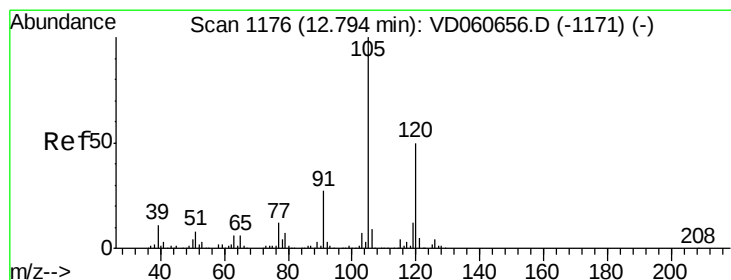
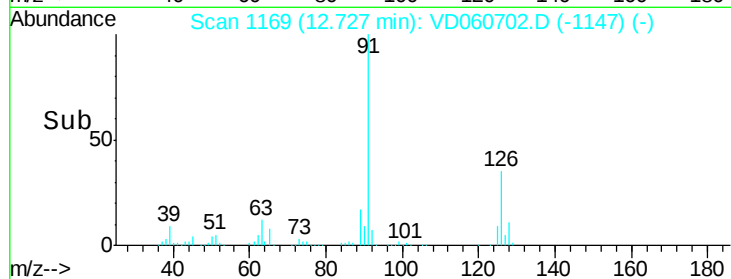
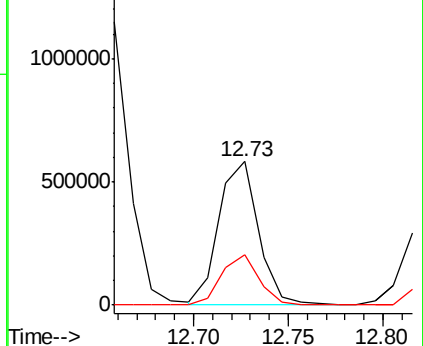
MMDadoda

12/26/2018 11:04:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VD060656.D (-1164) (-)

Ion 125.95 (125.65 to 126.65): VD060656.D (-1164) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.618 ug/l

RT: 12.81 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VD060702.D

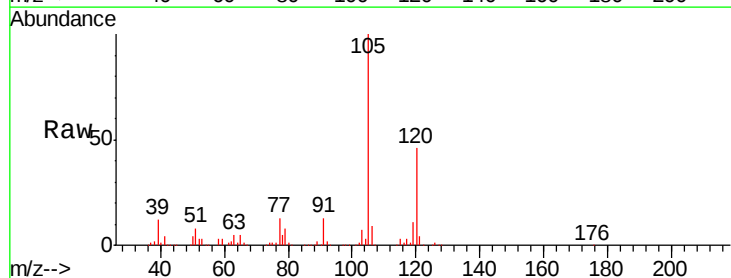
Acq: 22 Dec 2018 12:10

Tgt Ion: 105 Resp: 949529

Ion Ratio Lower Upper

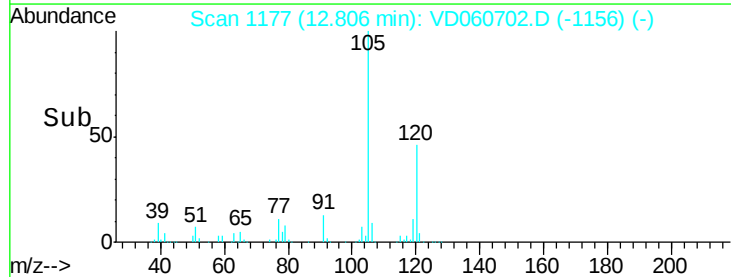
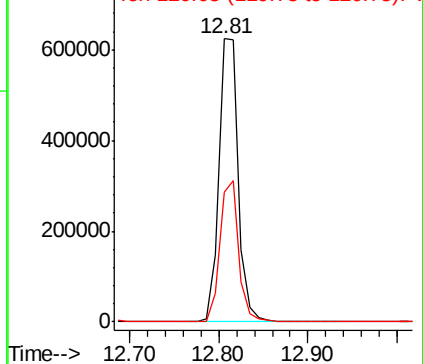
105 100

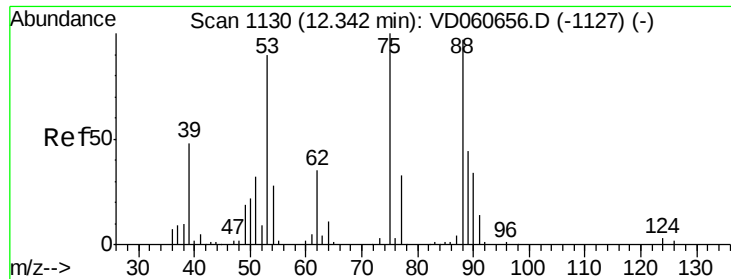
120 45.9 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060656.D (-1171) (-)

Ion 120.05 (119.75 to 120.75): VD060656.D (-1171) (-)





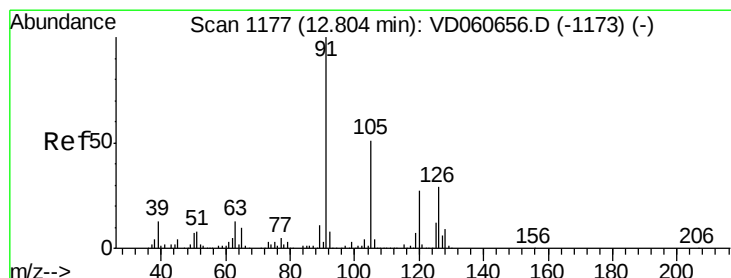
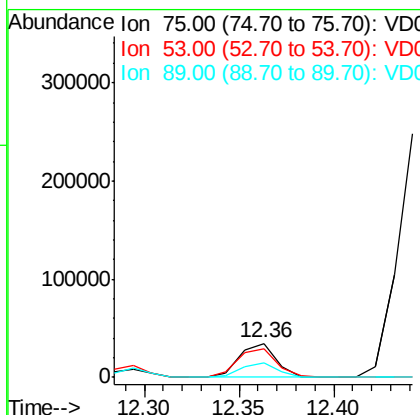
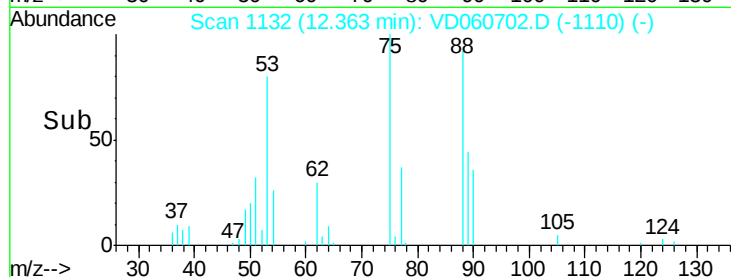
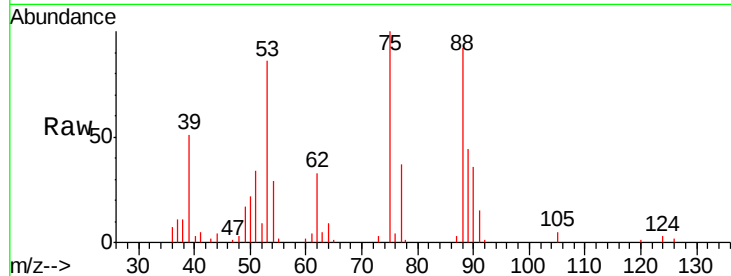
#81
trans-1,4-Dichloro-2-butene
Concen: 16.897 ug/l
RT: 12.36 min Scan# 1132
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	85.5	72.1	108.1
89	44.1	35.1	52.7

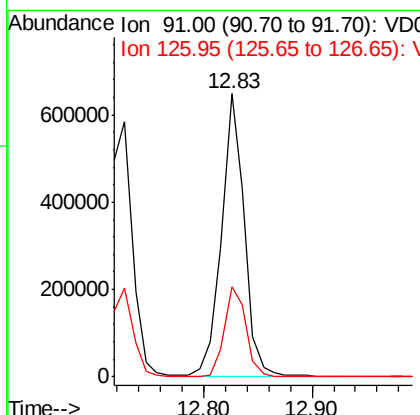
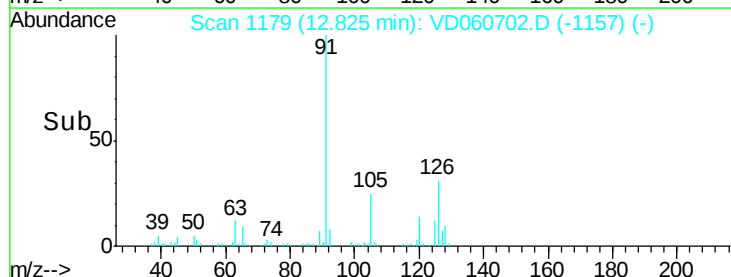
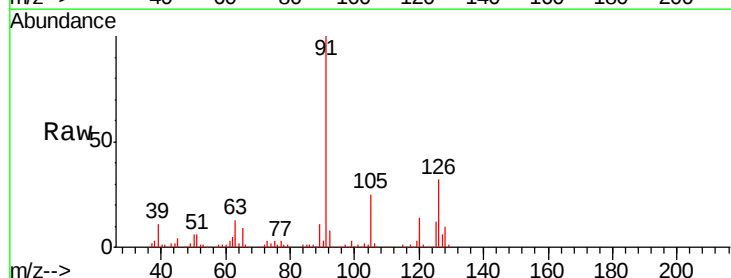
Manual Integrations
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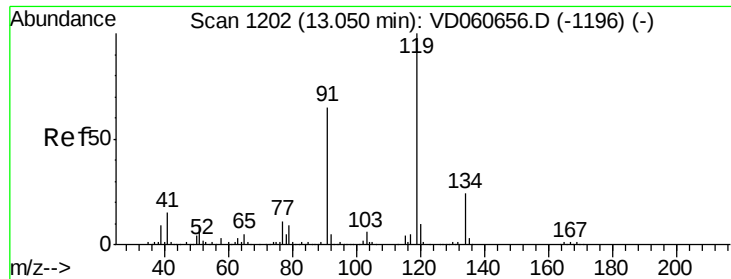
MMDadoda
12/26/2018 11:04:11 AM



#82
4-Chlorotoluene
Concen: 19.336 ug/l
RT: 12.83 min Scan# 1179
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	14.6	43.8





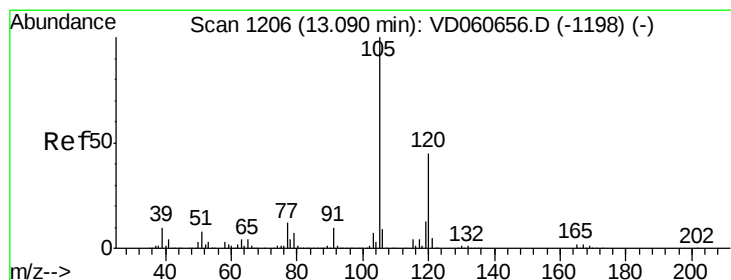
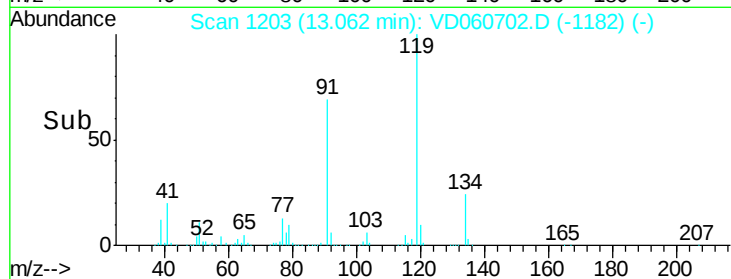
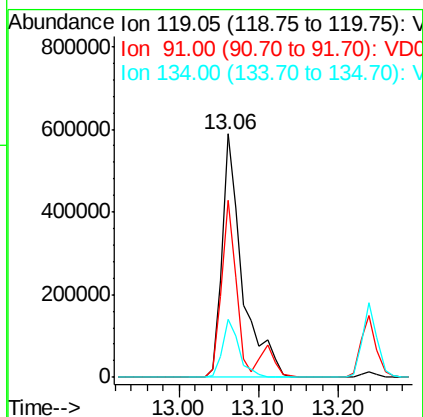
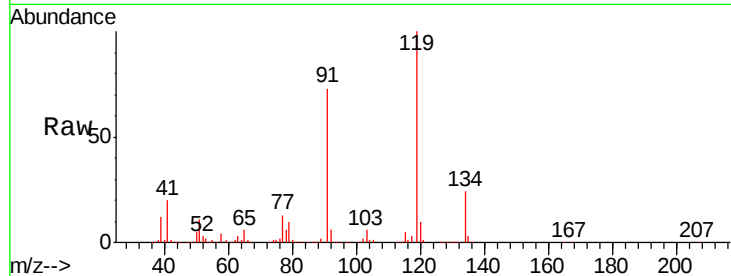
#83
tert-Butylbenzene
Concen: 19.161 ug/l
RT: 13.06 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion:119 Resp: 1055484
Ion Ratio Lower Upper
119 100
91 72.5 32.5 97.4
134 23.9 11.9 35.9

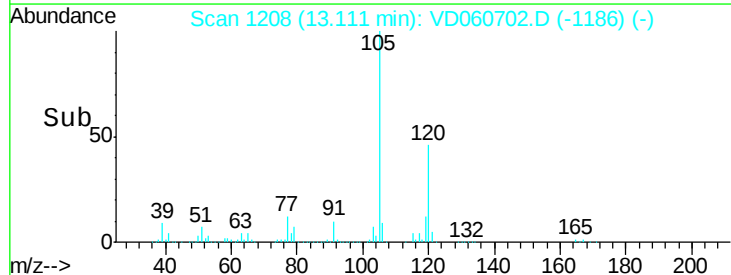
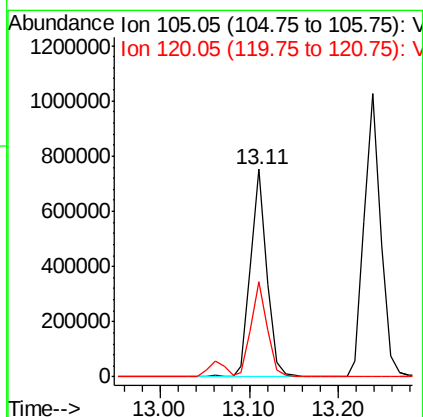
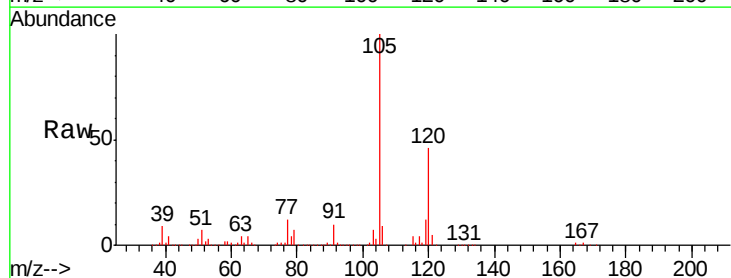
Manual Integrations
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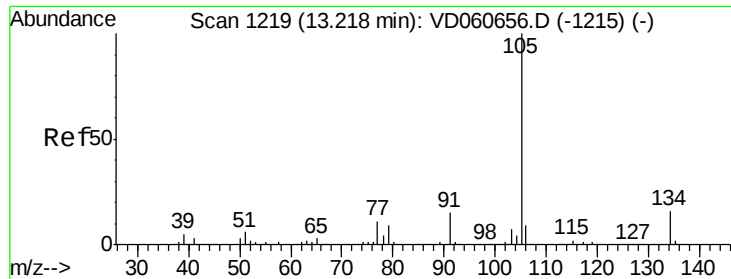
MMDadoda
12/26/2018 11:04:11 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.000 ug/l
RT: 13.11 min Scan# 1208
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion:105 Resp: 947138
Ion Ratio Lower Upper
105 100
120 45.6 22.4 67.0





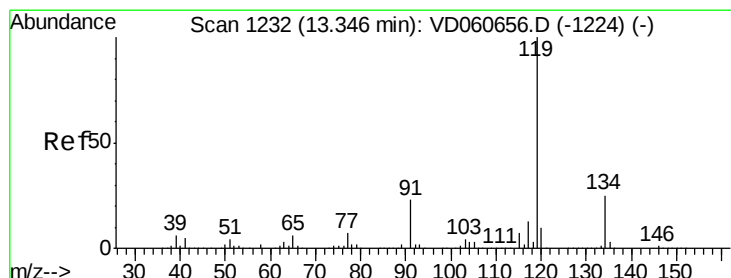
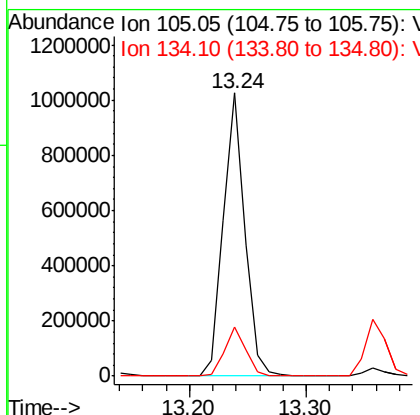
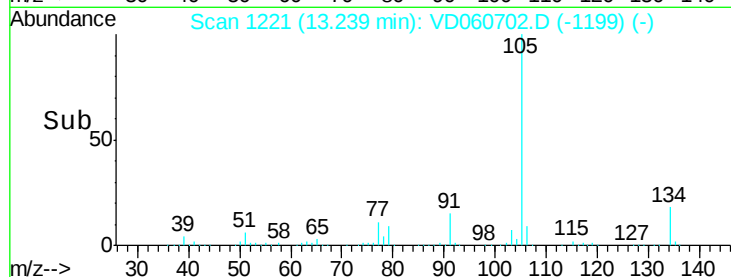
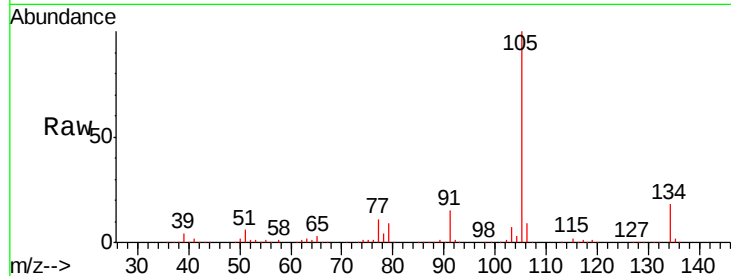
#85
 sec-Butylbenzene
 Concen: 19.529 ug/l
 RT: 13.24 min Scan# 1221
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion:105 Resp: 1311892
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.2 24.4

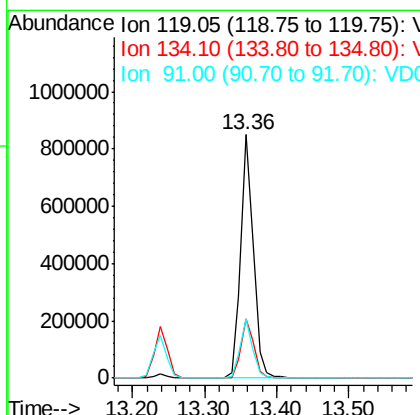
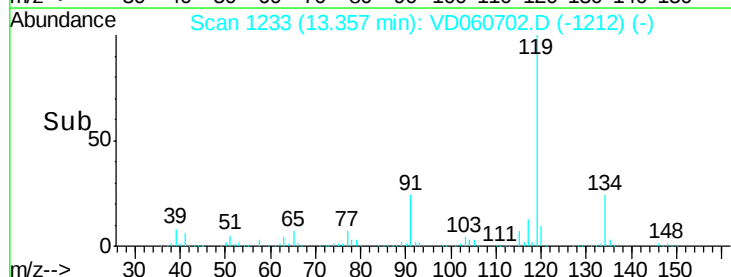
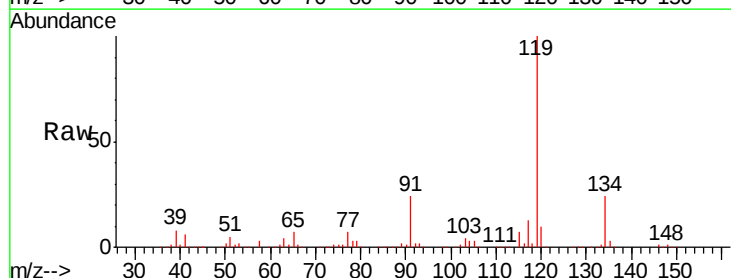
Manual Integrations
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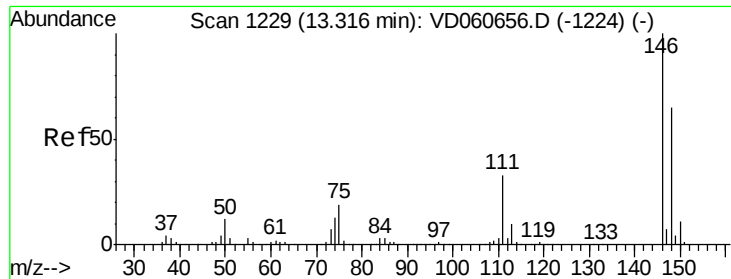
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#86
 p-Isopropyltoluene
 Concen: 19.473 ug/l
 RT: 13.36 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion:119 Resp: 1055929
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.5 37.5
 91 24.3 11.4 34.2





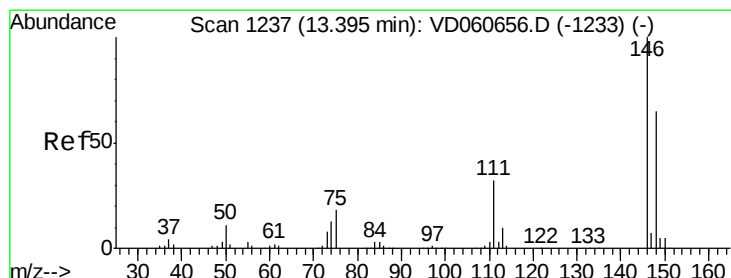
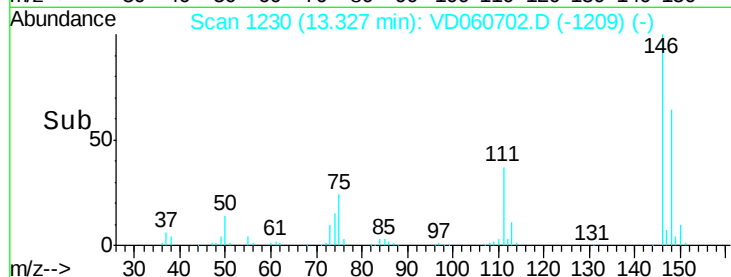
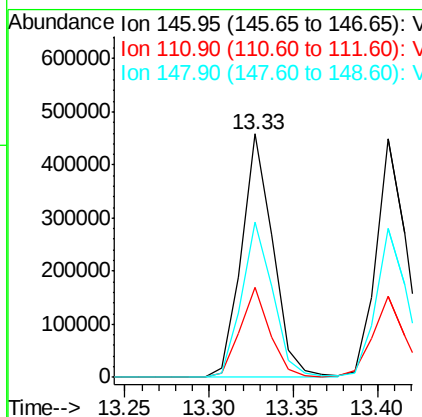
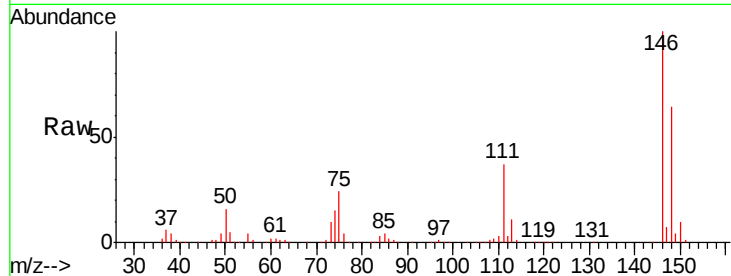
#87
 1,3-Dichlorobenzene
 Concen: 19.507 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	592593		
111	37.2	16.6	49.8	
148	64.0	32.6	97.8	

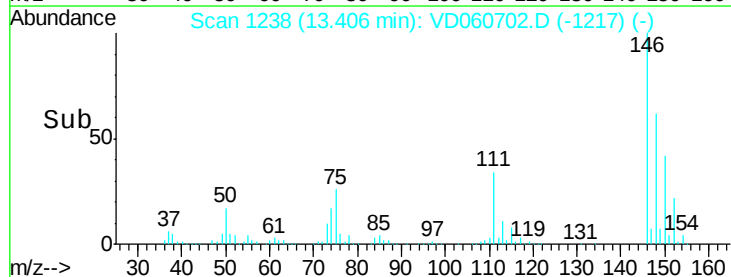
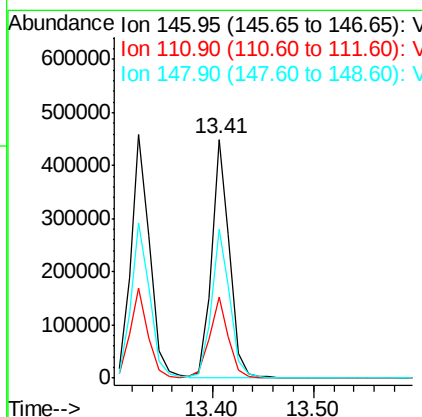
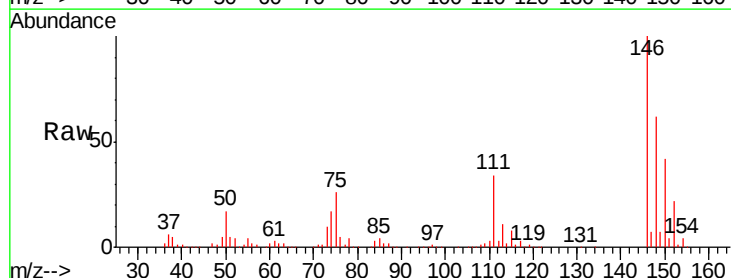
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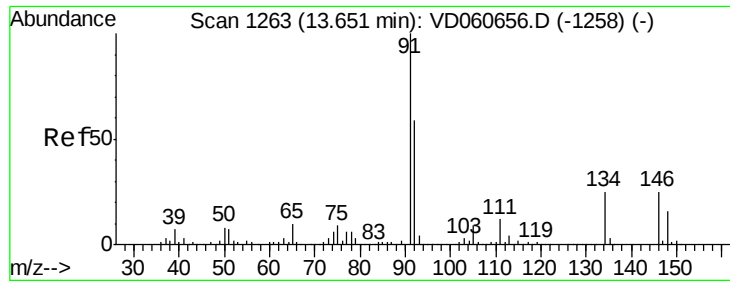
MMDadoda
 12/26/2018 11:04:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.738 ug/l
 RT: 13.41 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	560930		
111	33.8	16.2	48.5	
148	62.4	32.7	98.1	





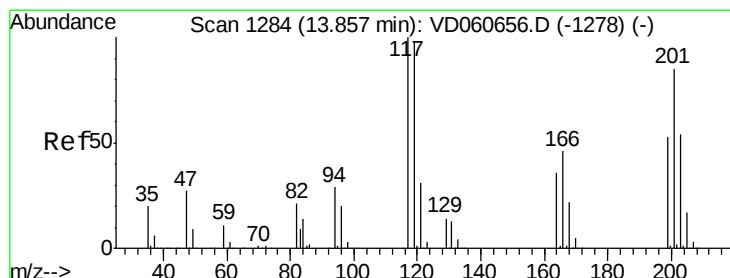
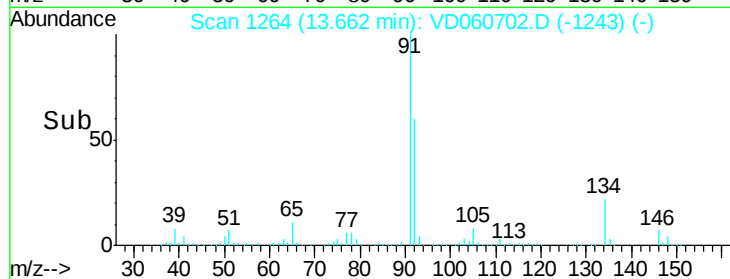
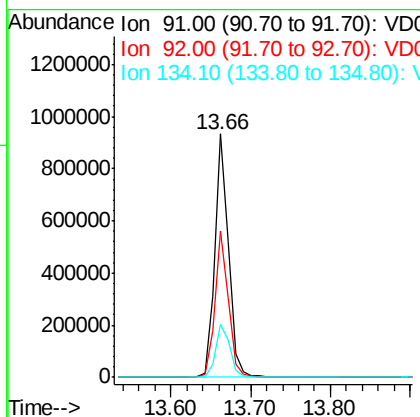
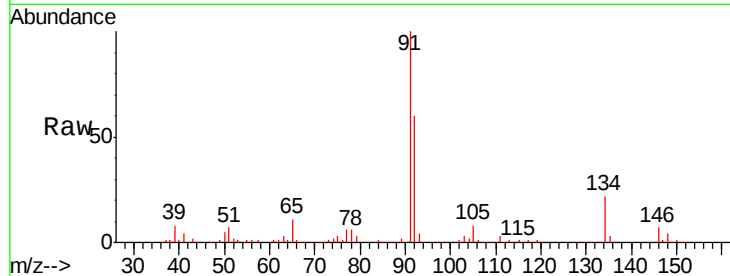
#89
n-Butylbenzene
Concen: 20.413 ug/l
RT: 13.66 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 91 Resp: 1131130
Ion Ratio Lower Upper
91 100
92 60.1 29.7 89.1
134 21.6 12.7 38.1

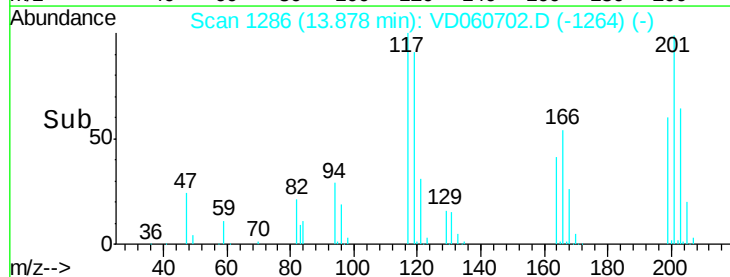
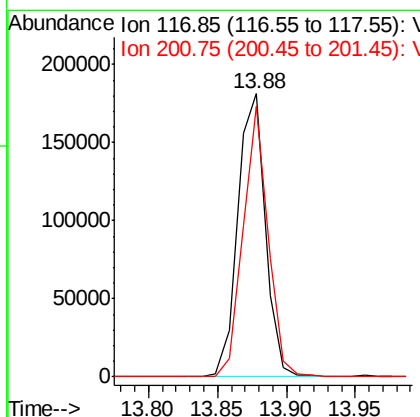
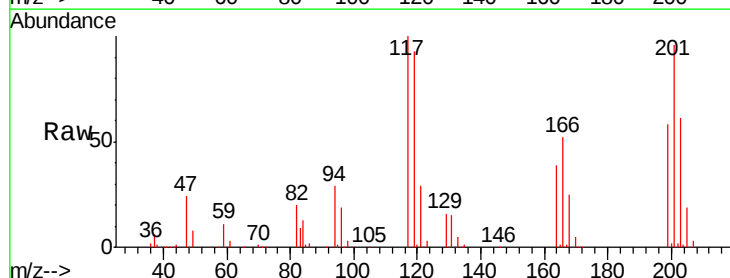
Manual Integrations
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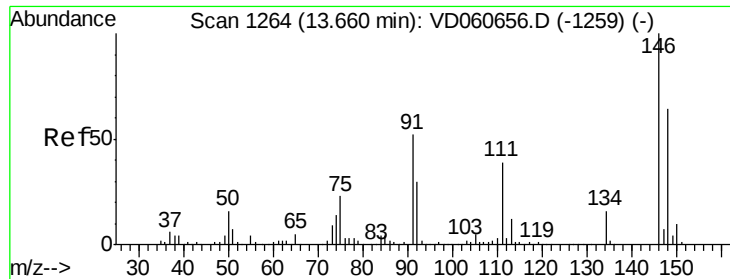
MMDadoda
12/26/2018 11:04:11 AM



#90
Hexachloroethane
Concen: 19.082 ug/l
RT: 13.88 min Scan# 1286
Delta R.T. 0.02 min
Lab File: VD060702.D
Acq: 22 Dec 2018 12:10

Tgt Ion: 117 Resp: 254202
Ion Ratio Lower Upper
117 100
201 95.6 42.6 127.8





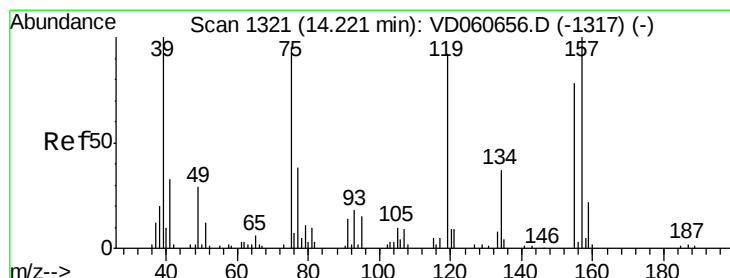
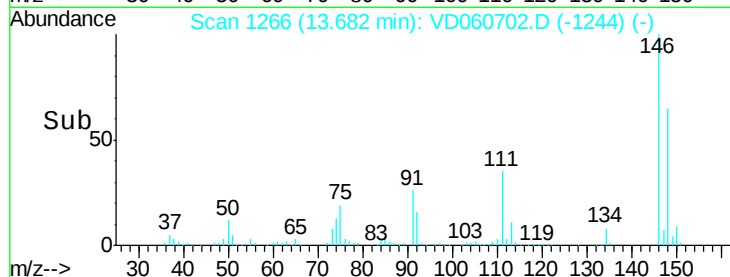
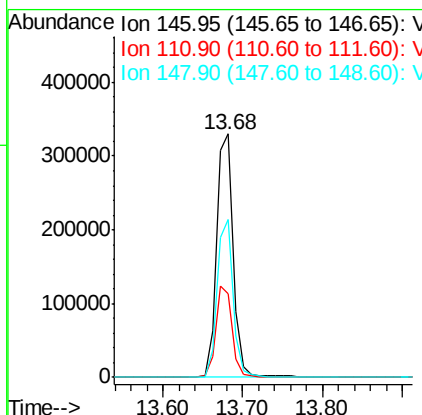
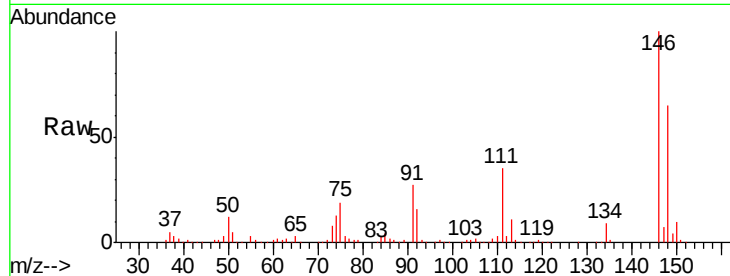
#91
 1,2-Dichlorobenzene
 Concen: 20.046 ug/l
 RT: 13.68 min Scan# 1266
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	19.3	57.9
148	64.8	31.9	95.9

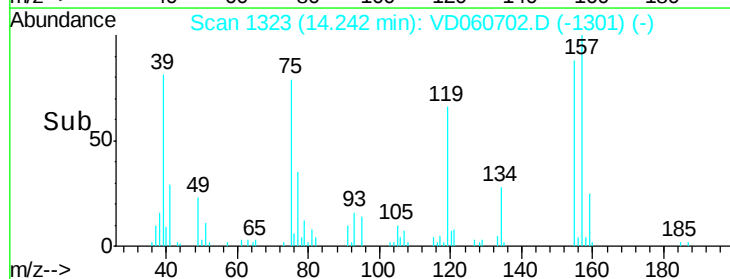
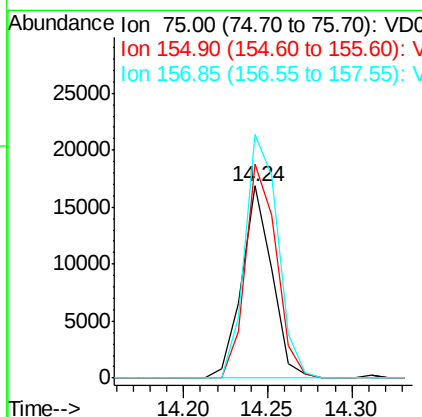
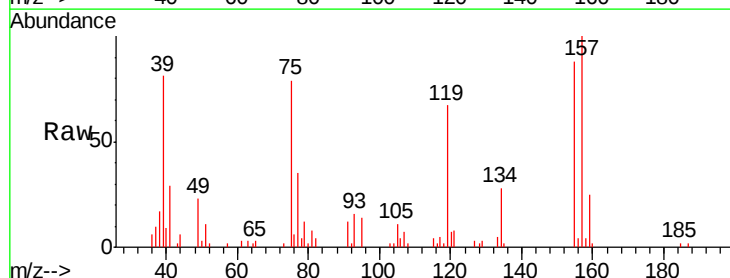
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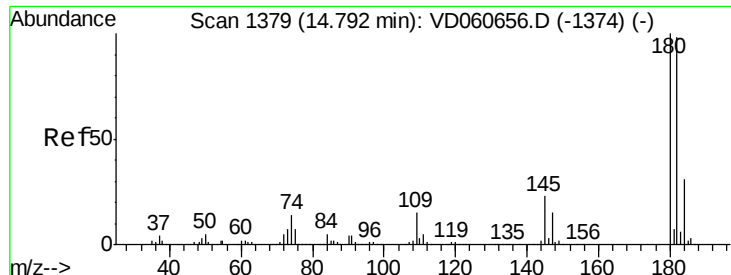
MMDadoda
 12/26/2018 11:04:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.502 ug/l
 RT: 14.24 min Scan# 1323
 Delta R.T. 0.02 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.4	41.1	123.4
157	126.7	52.5	157.6





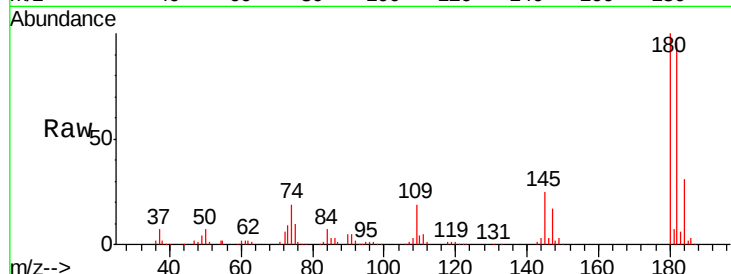
#93
 1,2,4-Trichlorobenzene
 Concen: 18.327 ug/l
 RT: 14.80 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

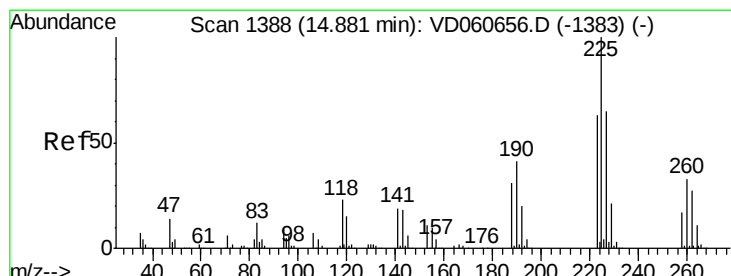
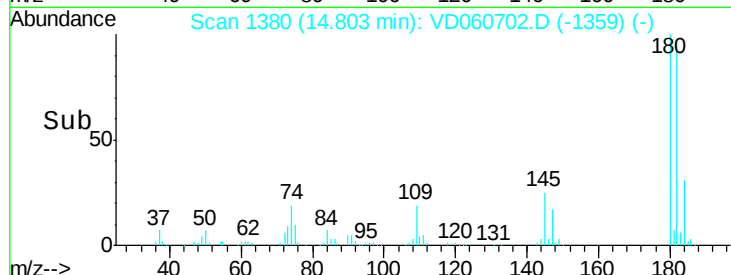
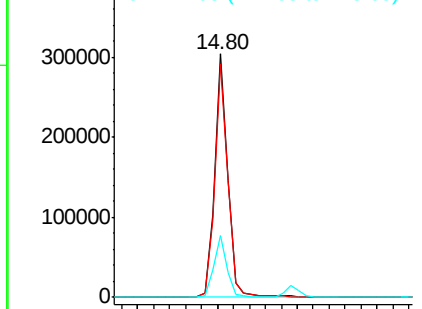
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	355384		
182	96.1	48.8	146.4	
145	25.3	11.8	35.3	

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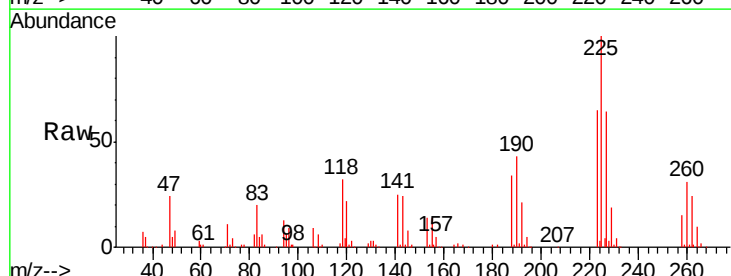


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

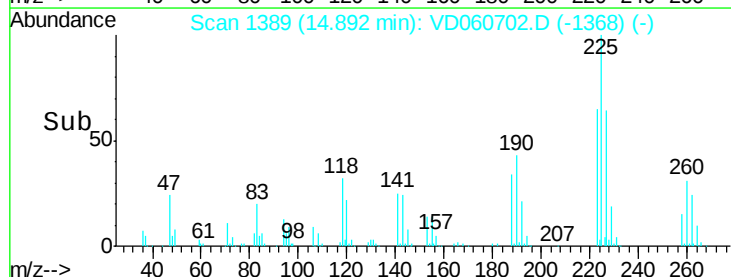
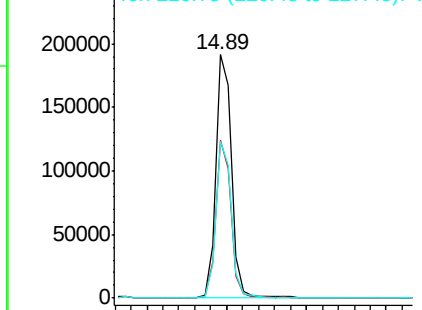


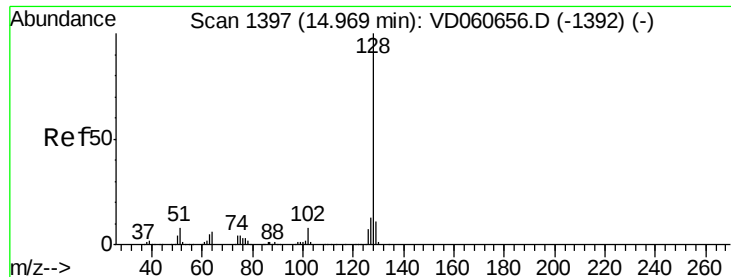
#94
 Hexachlorobutadiene
 Concen: 18.707 ug/l
 RT: 14.89 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VD060702.D
 Acq: 22 Dec 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	268125		
223	64.7	31.3	93.8	
227	64.3	32.5	97.4	



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: 17.793 ug/l

RT: 14.98 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Instrument :

MSVOA_D

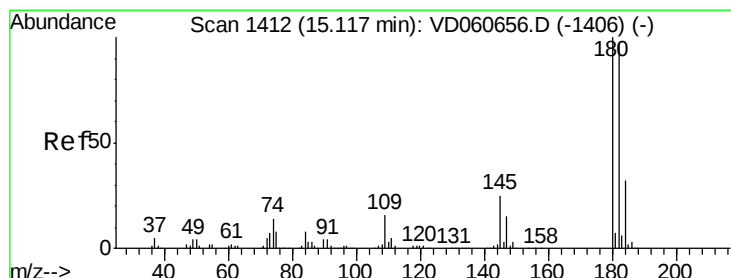
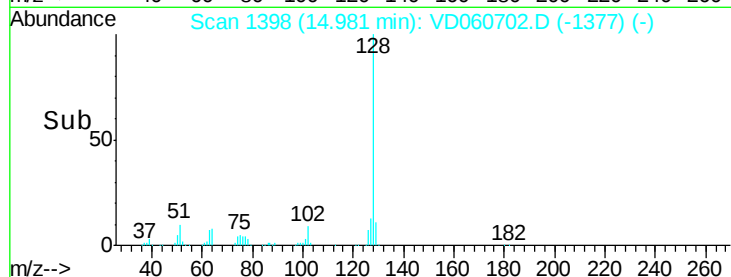
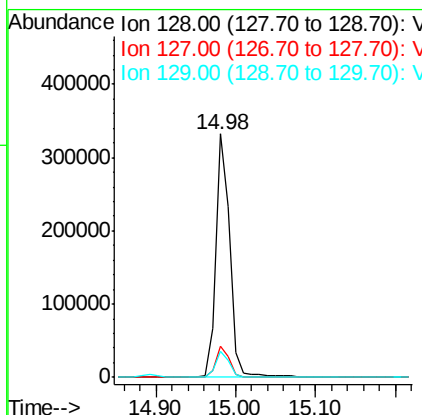
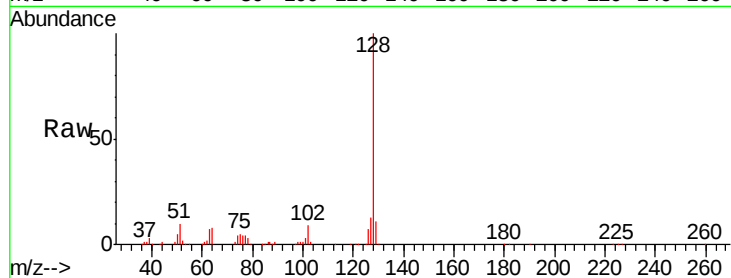
ClientSampleId :

VD1222SBS01

Tgt Ion:	128	Resp:	410070
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	10.8	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 18.196 ug/l

RT: 15.13 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD060702.D

Acq: 22 Dec 2018 12:10

Tgt Ion:	180	Resp:	275813
Ion Ratio	Lower	Upper	
180	100		
182	93.8	48.6	145.9
145	28.3	12.6	37.8

