

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060661.D
 Acq On : 20 Dec 2018 16:33
 Operator : VA/AP
 Sample : VD1220SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:51:53 AM

Quant Time: Dec 21 05:51:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1463302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2061617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1595933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	841053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	570551	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
35) Dibromofluoromethane	6.33	113	817133	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	9.45	98	2393280	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.43	95	842490	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.60	85	383615	20.517 ug/l	100
3) Chloromethane	1.77	50	379169	22.035 ug/l	100
4) Vinyl Chloride	1.87	62	297585	21.782 ug/l	97
5) Bromomethane	2.15	94	40250	13.153 ug/l	95
6) Chloroethane	2.27	64	82735	20.293 ug/l	93
7) Trichlorofluoromethane	2.52	101	332279	21.867 ug/l	97
8) Diethyl Ether	2.84	74	58804	23.130 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.10	101	212165	21.525 ug/l	96
10) Methyl Iodide	3.26	142	210885	20.358 ug/l	100
11) Tert butyl alcohol	3.97	59	38849	91.924 ug/l	99
12) 1,1-Dichloroethene	3.09	96	171307	21.152 ug/l	92
13) Acrolein	2.99	56	54298	126.078 ug/l	95
14) Allyl chloride	3.55	41	317088	21.337 ug/l	99
15) Acrylonitrile	4.10	53	265903	108.373 ug/l	97
16) Acetone	3.18	43	195024	110.433 ug/l	99
17) Carbon Disulfide	3.32	76	548083	21.190 ug/l	100
18) Methyl Acetate	3.57	43	84083	19.211 ug/l	100
19) Methyl tert-butyl Ether	4.13	73	448070	21.806 ug/l	99
20) Methylene Chloride	3.73	84	471880	25.729 ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	349849	21.093 ug/l	98
22) Diisopropyl ether	4.86	45	1094697	21.695 ug/l	98
23) Vinyl Acetate	4.81	43	2719304	111.394 ug/l	99
24) 1,1-Dichloroethane	4.76	63	569505	21.458 ug/l	99
25) 2-Butanone	5.63	43	365066	108.028 ug/l	97
26) 2,2-Dichloropropane	5.59	77	463828	22.140 ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	365323	21.697 ug/l	95
28) Bromochloromethane	5.93	49	213128	19.009 ug/l	97
29) Tetrahydrofuran	5.96	42	206655	107.871 ug/l	98
30) Chloroform	6.11	83	575320	21.543 ug/l	99
31) Cyclohexane	6.37	56	538043	21.066 ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	473527	21.432 ug/l	98
36) 1,1-Dichloropropene	6.52	75	438355	20.649 ug/l	98
37) Ethyl Acetate	5.71	43	196162	22.094 ug/l	98
38) Carbon Tetrachloride	6.50	117	401023	21.412 ug/l	97

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apatel
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 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	507051	20.942	ug/l	98
40) Benzene	6.80	78	1151276	20.995	ug/l	100
41) Methacrylonitrile	5.92	41	92012m	18.736	ug/l	
42) 1,2-Dichloroethane	6.90	62	290598	21.355	ug/l	99
43) Isopropyl Acetate	8.35	43	231271	20.298	ug/l	100
44) Trichloroethene	7.74	130	345496	21.287	ug/l	98
45) 1,2-Dichloropropane	8.11	63	272603	20.271	ug/l	97
46) Dibromomethane	8.21	93	160100	20.859	ug/l	96
47) Bromodichloromethane	8.49	83	372336	20.482	ug/l	98
48) Methyl methacrylate	8.24	41	146756	21.207	ug/l	96
49) 1,4-Dioxane	8.23	88	25465	395.774	ug/l #	80
51) 4-Methyl-2-Pentanone	9.35	43	741750	106.259	ug/l	99
52) Toluene	9.55	92	718672	20.906	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	316097	20.842	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	411754	20.742	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	194341	21.012	ug/l	97
56) Ethyl methacrylate	10.03	69	175701	20.452	ug/l	95
57) 1,3-Dichloropropane	10.38	76	303251	20.685	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.92	63	517676	102.267	ug/l	97
59) 2-Hexanone	10.49	43	518338	106.083	ug/l	99
60) Dibromochloromethane	10.64	129	242017	20.542	ug/l	95
61) 1,2-Dibromoethane	10.75	107	201925	21.048	ug/l	97
64) Tetrachloroethene	10.25	164	322152	22.271	ug/l	98
65) Chlorobenzene	11.31	112	780277	22.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	254496	22.448	ug/l	98
67) Ethyl Benzene	11.42	91	1362270	22.559	ug/l	97
68) m/p-Xylenes	11.56	106	1009362	45.738	ug/l	93
69) o-Xylene	11.93	106	459575	21.950	ug/l	89
70) Styrene	11.95	104	763114	22.631	ug/l	98
71) Bromoform	12.11	173	157123	20.996	ug/l	98
73) Isopropylbenzene	12.28	105	1301167	21.729	ug/l	100
74) N-amyl acetate	12.13	43	295486	20.908	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	204092	21.027	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	207082	21.627	ug/l	100
77) Bromobenzene	12.54	156	336077	21.258	ug/l	91
78) n-propylbenzene	12.63	91	1670809	21.825	ug/l	96
79) 2-Chlorotoluene	12.70	91	907813	22.140	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1052883	22.770	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	56711	21.434	ug/l	92
82) 4-Chlorotoluene	12.81	91	1036032	22.292	ug/l	94
83) tert-Butylbenzene	13.05	119	1174660	22.322	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1071532	22.500	ug/l	98
85) sec-Butylbenzene	13.22	105	1421096	22.143	ug/l	96
86) p-Isopropyltoluene	13.34	119	1172947	22.642	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	639263	22.027	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	622848	21.779	ug/l	97
89) n-Butylbenzene	13.65	91	1244443	23.507	ug/l	99
90) Hexachloroethane	13.85	117	285582	22.440	ug/l	78
91) 1,2-Dichlorobenzene	13.66	146	534098	22.942	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23396	20.518	ug/l	70

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Manual Integrations
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apatel
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Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	412379	22.261	ug/l	96
94) Hexachlorobutadiene	14.88	225	307343	22.446	ug/l	98
95) Naphthalene	14.97	128	457383	20.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	312216	21.560	ug/l	97

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

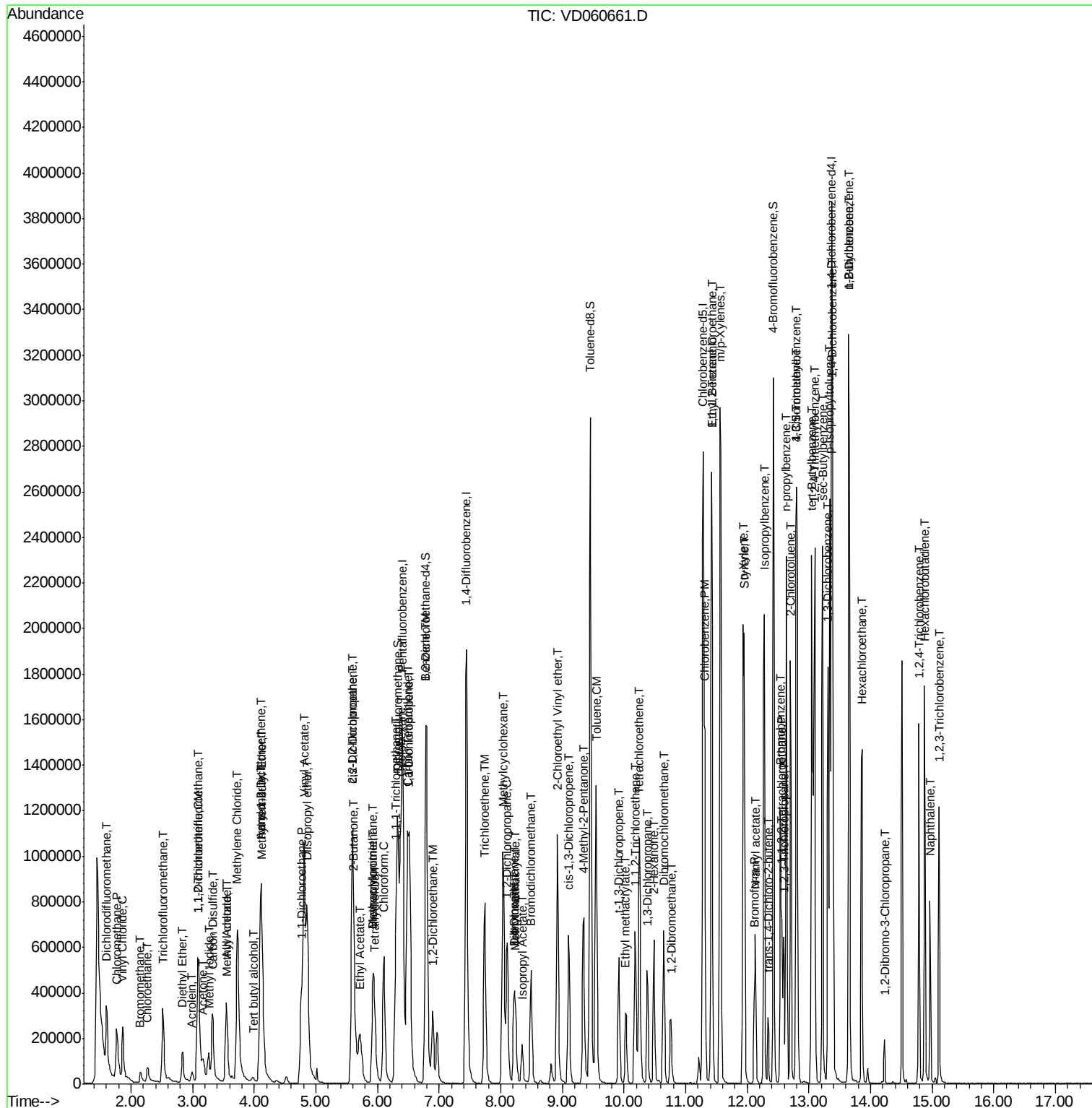
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Data File : VD060661.D
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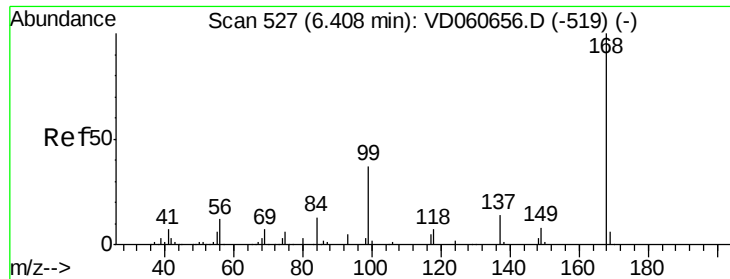
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion:168 Resp: 1463302

Ion Ratio Lower Upper

168 100

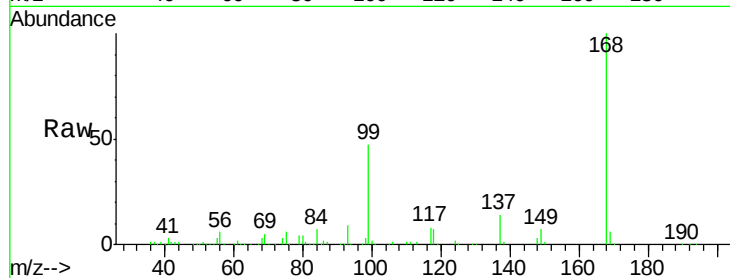
99 46.6 38.7 58.1

Manual Integrations

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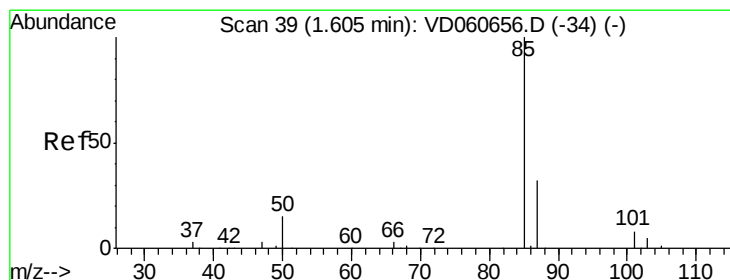
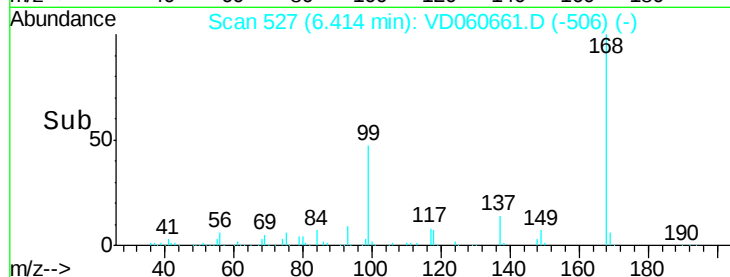
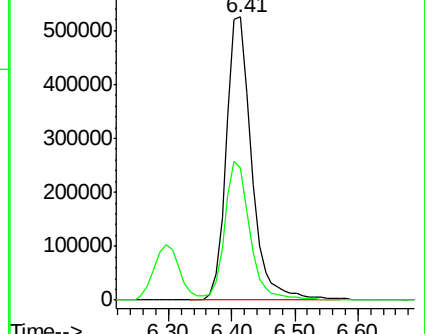
apatel

12/21/2018 11:51:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.517 ug/l

RT: 1.60 min Scan# 38

Delta R.T. -0.00 min

Lab File: VD060661.D

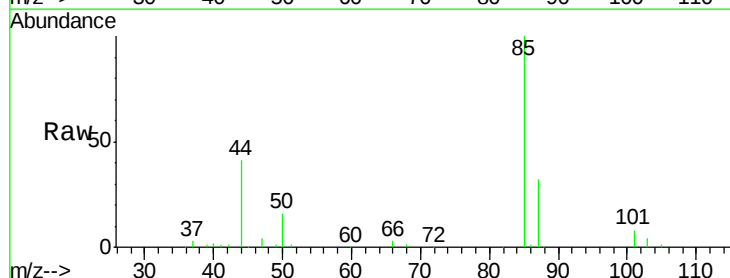
Acq: 20 Dec 2018 16:33

Tgt Ion: 85 Resp: 383615

Ion Ratio Lower Upper

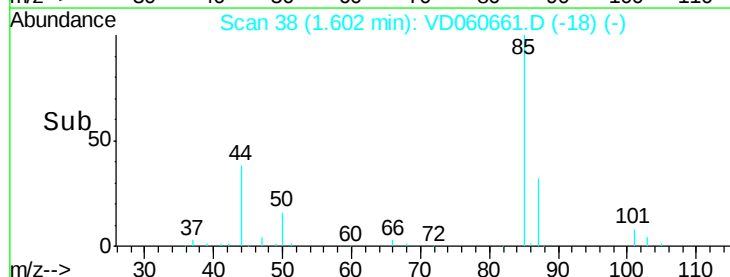
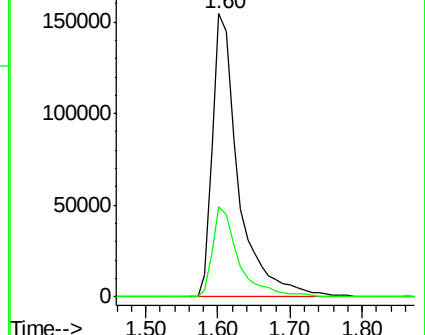
85 100

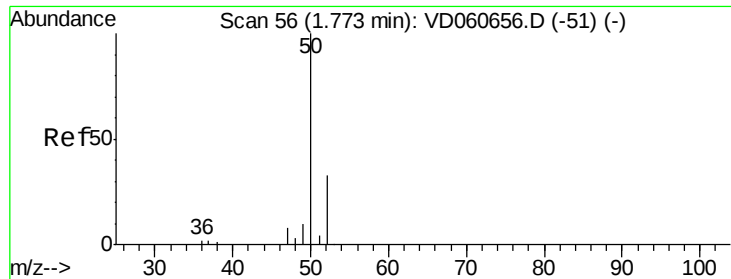
87 32.0 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.035 ug/l

RT: 1.77 min Scan# 55

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion: 50 Resp: 379169

Ion Ratio Lower Upper

50 100

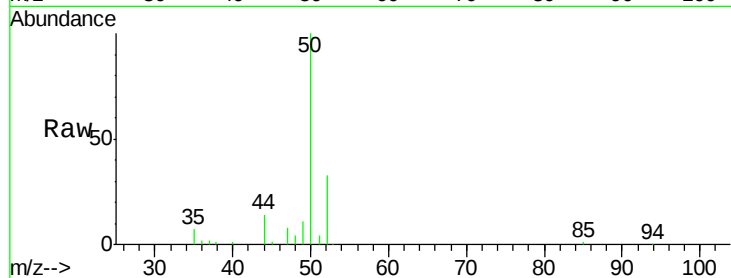
52 33.1 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

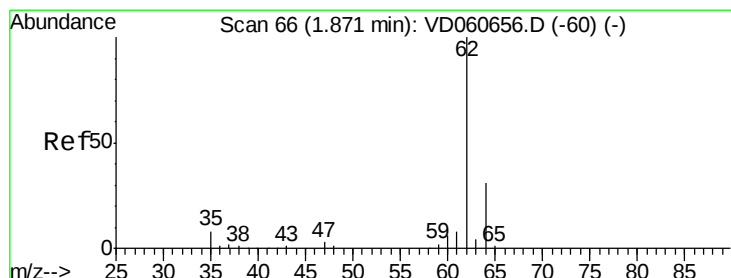
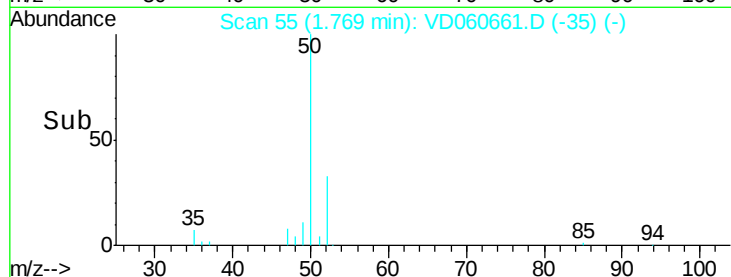
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 21.782 ug/l

RT: 1.87 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060661.D

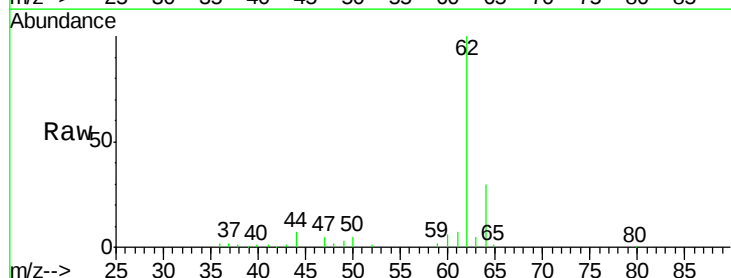
Acq: 20 Dec 2018 16:33

Tgt Ion: 62 Resp: 297585

Ion Ratio Lower Upper

62 100

64 29.6 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

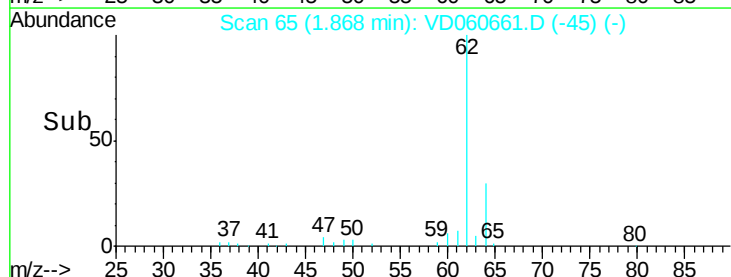
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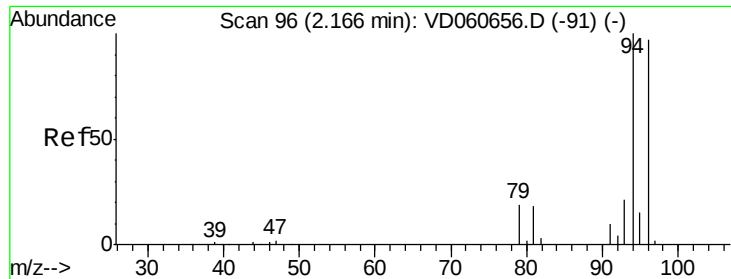
100000

50000

0

Time--> 1.80 1.90 2.00 2.10





#5

Bromomethane

Concen: 13.153 ug/l

RT: 2.15 min Scan# 94

Delta R.T. -0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion: 94 Resp: 40250

Ion Ratio Lower Upper

94 100

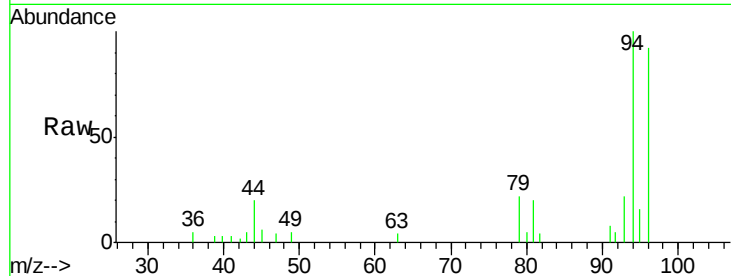
96 91.6 77.2 115.8

Manual Integrations

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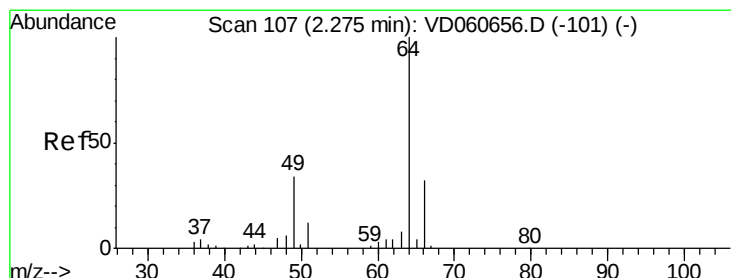
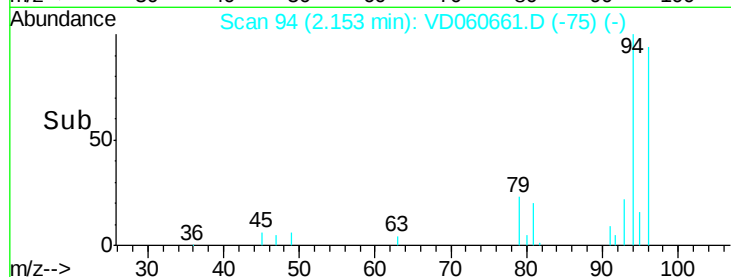
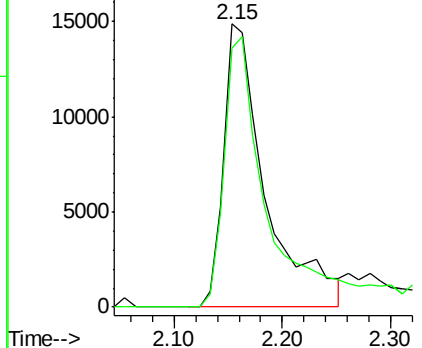
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.293 ug/l

RT: 2.27 min Scan# 106

Delta R.T. -0.00 min

Lab File: VD060661.D

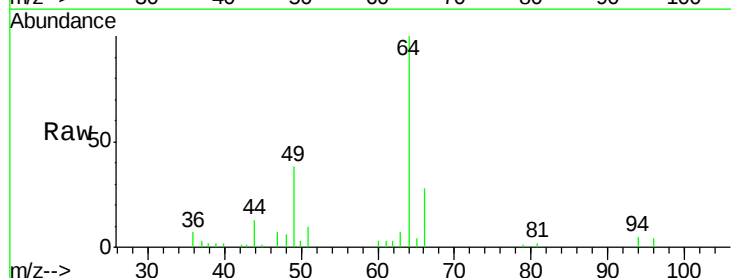
Acq: 20 Dec 2018 16:33

Tgt Ion: 64 Resp: 82735

Ion Ratio Lower Upper

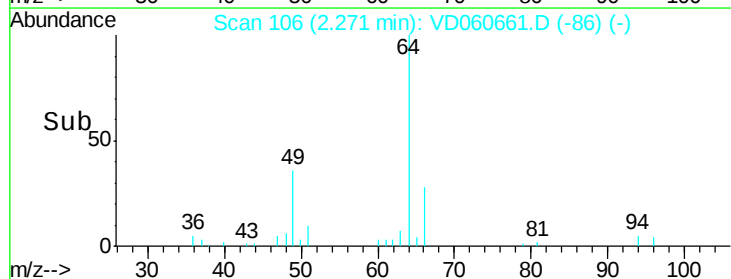
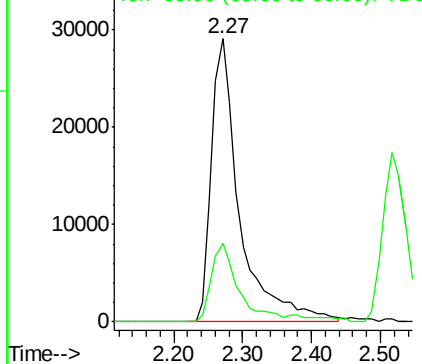
64 100

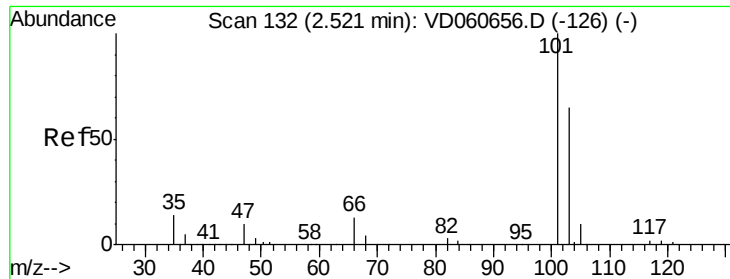
66 27.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

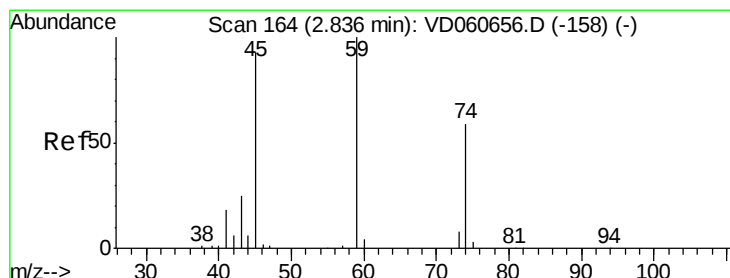
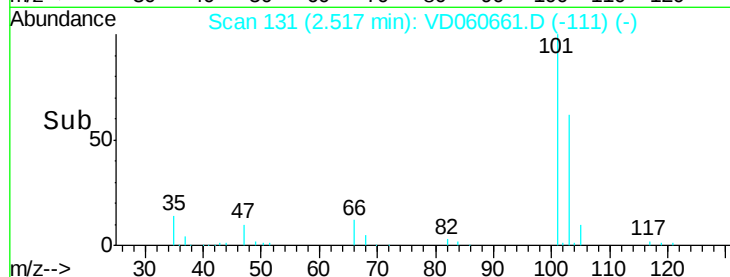
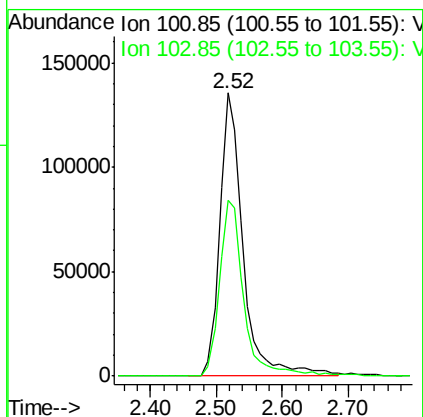
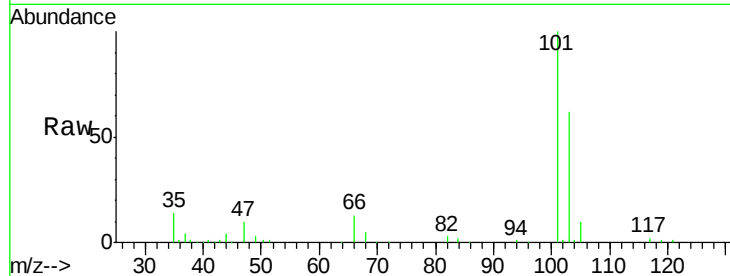
Trichlorofluoromethane
Concen: 21.867 ug/l
RT: 2.52 min Scan# 131
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion: 101 Resp: 332279
Ion Ratio Lower Upper
101 100
103 62.2 51.9 77.9

Manual Integrations
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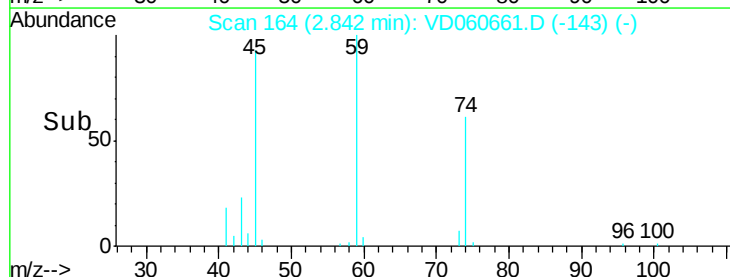
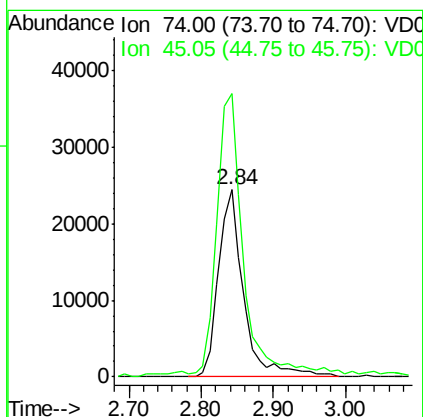
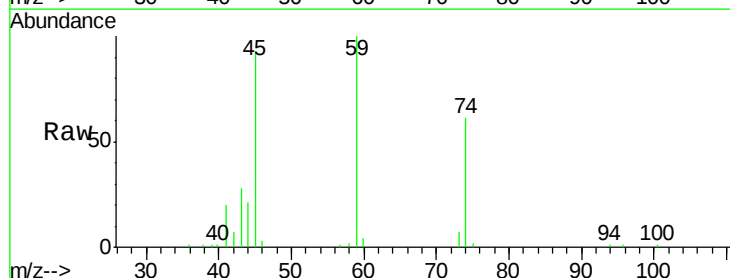
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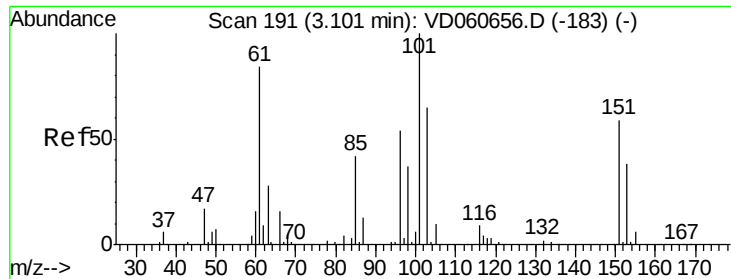


#8

Diethyl Ether
Concen: 23.130 ug/l
RT: 2.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 74 Resp: 58804
Ion Ratio Lower Upper
74 100
45 151.5 79.3 238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.525 ug/l

RT: 3.10 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

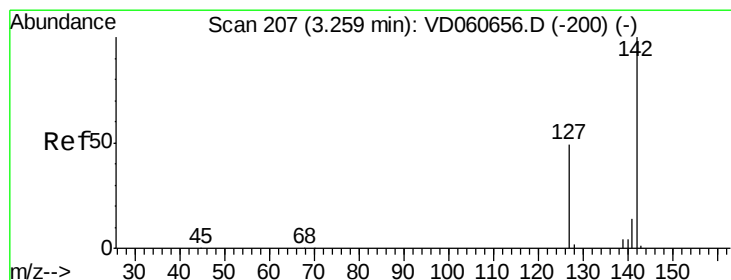
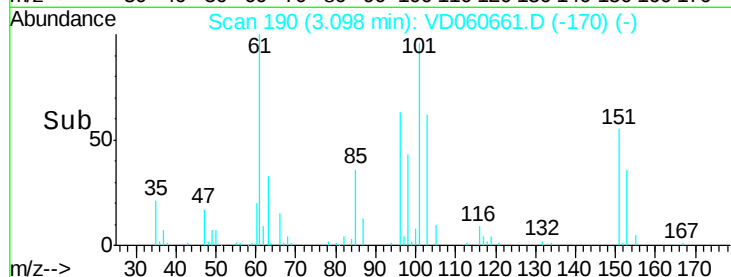
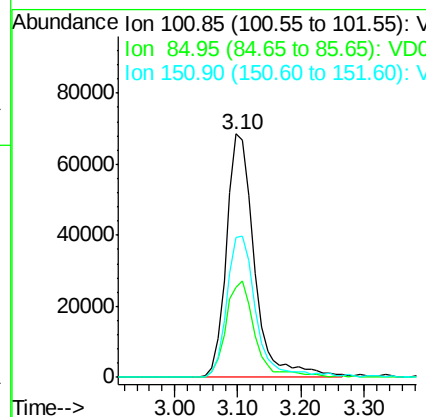
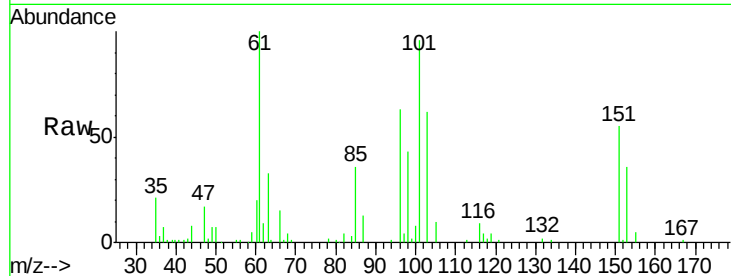
ClientSampleId :

VD1220SBS01

Tgt Ion:	101	Resp:	212165
Ion Ratio	Lower	Upper	
101	100		
85	37.2	33.4	50.0
151	57.6	47.5	71.3

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#10

Methyl Iodide

Concen: 20.358 ug/l

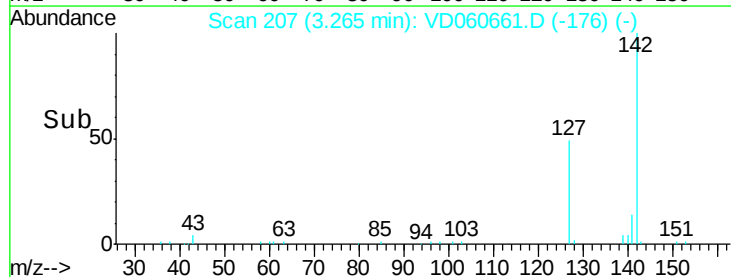
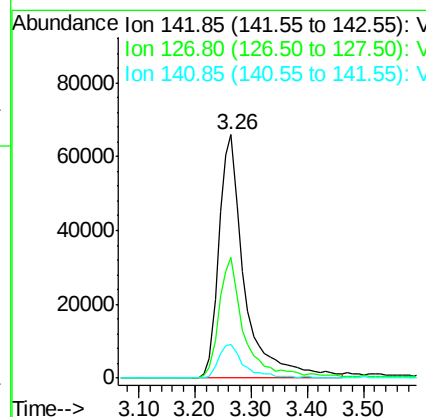
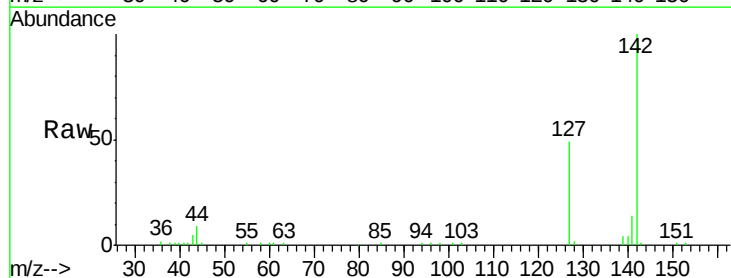
RT: 3.26 min Scan# 207

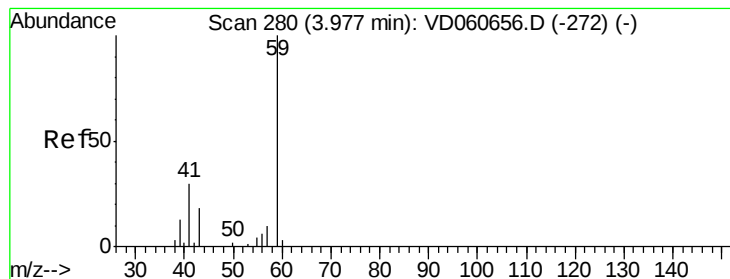
Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion:	142	Resp:	210885
Ion Ratio	Lower	Upper	
142	100		
127	49.4	39.5	59.3
141	14.1	11.3	16.9





#11

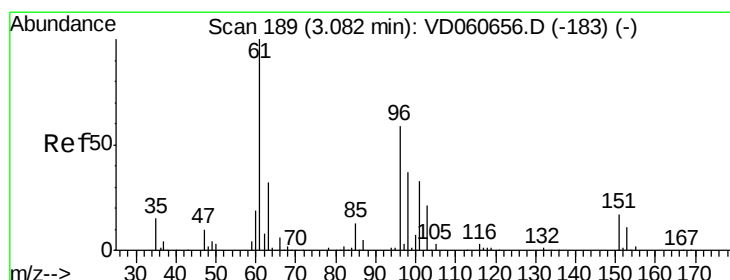
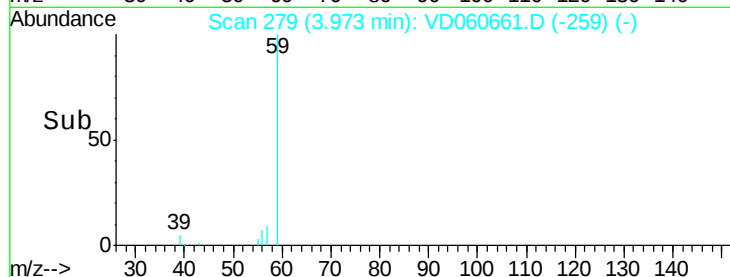
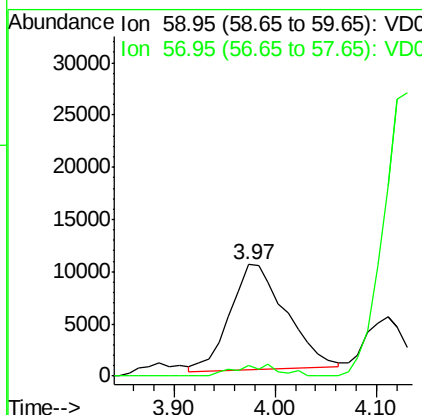
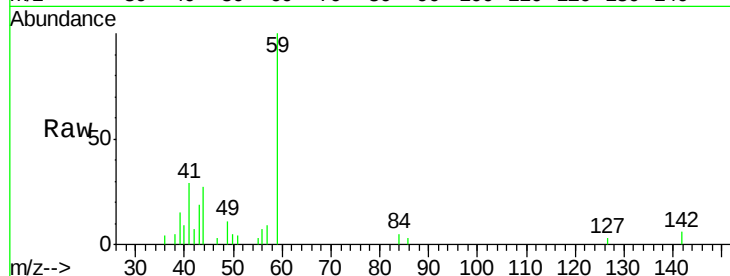
Tert butyl alcohol
 Concen: 91.924 ug/l
 RT: 3.97 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tgt Ion: 59 Resp: 38849
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.8 11.6

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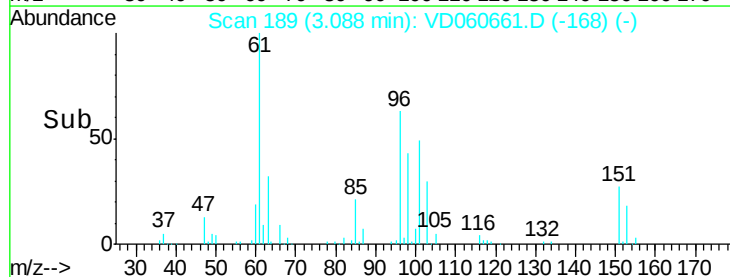
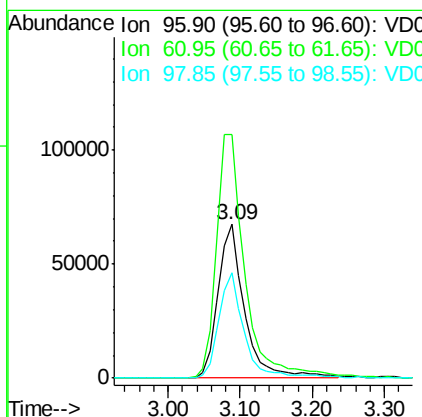
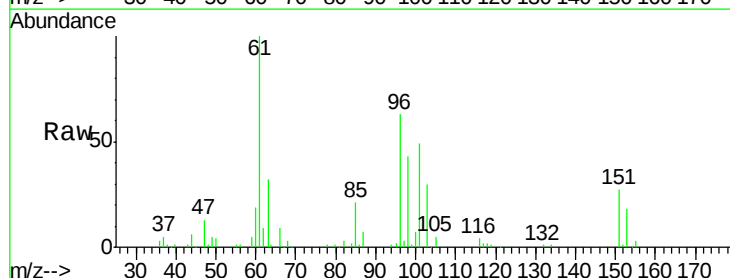
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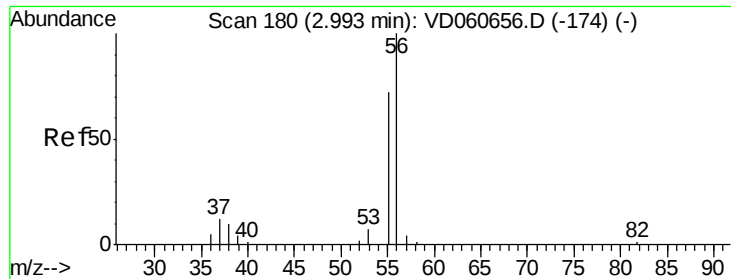


#12

1,1-Dichloroethene
 Concen: 21.152 ug/l
 RT: 3.09 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion: 96 Resp: 171307
 Ion Ratio Lower Upper
 96 100
 61 158.1 136.2 204.4
 98 68.1 50.7 76.1





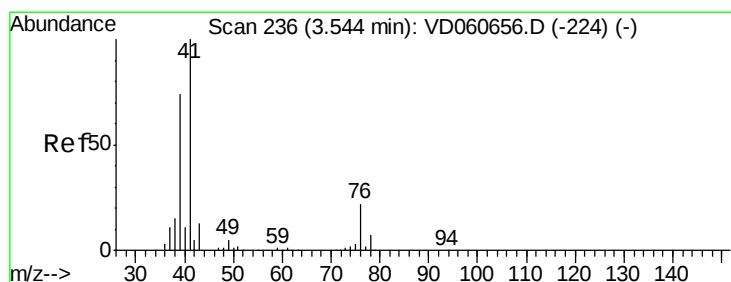
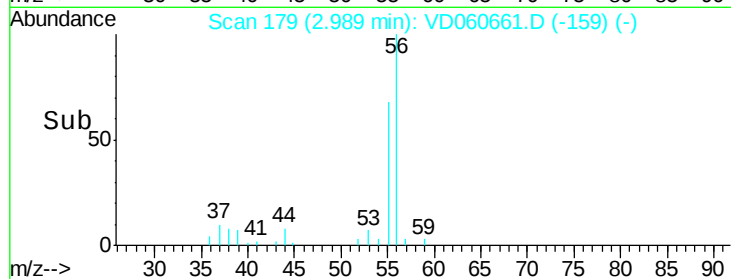
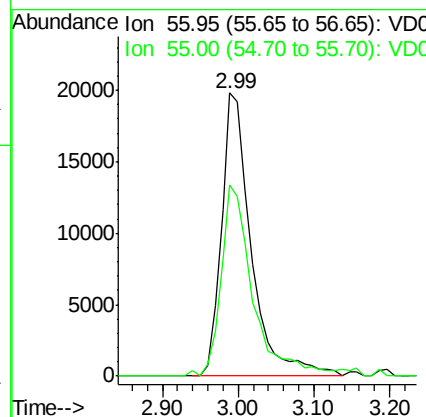
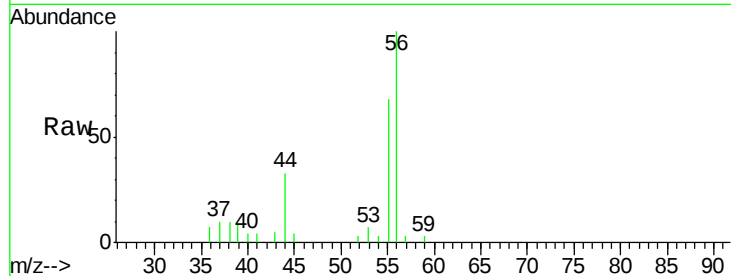
#13
Acrolein
Concen: 126.078 ug/l
RT: 2.99 min Scan# 179
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion: 56 Resp: 54298
Ion Ratio Lower Upper
56 100
55 67.5 57.7 86.5

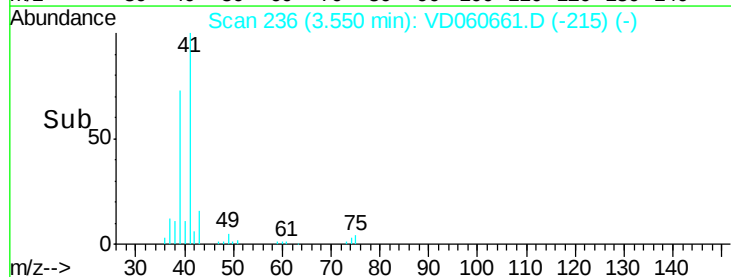
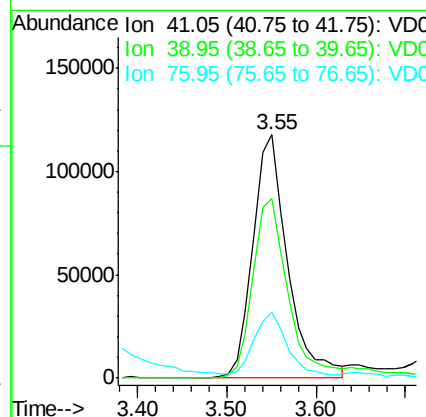
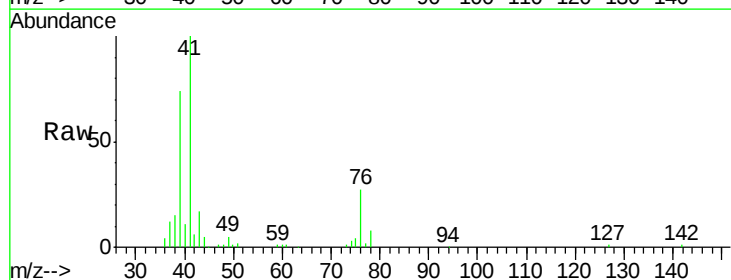
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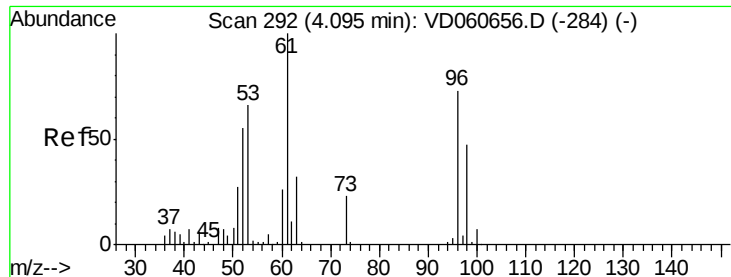
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#14
Allyl chloride
Concen: 21.337 ug/l
RT: 3.55 min Scan# 236
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 41 Resp: 317088
Ion Ratio Lower Upper
41 100
39 73.6 59.6 89.4
76 27.0 21.8 32.6





#15

Acrylonitrile

Concen: 108.373 ug/l

RT: 4.10 min Scan# 292

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

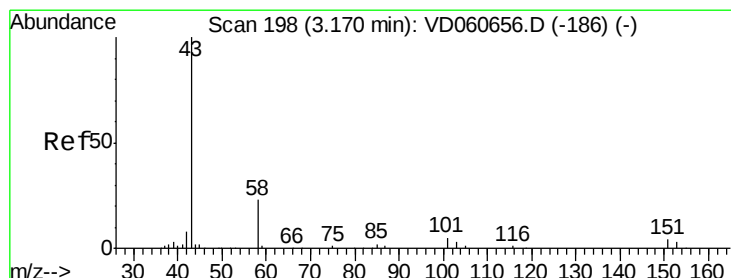
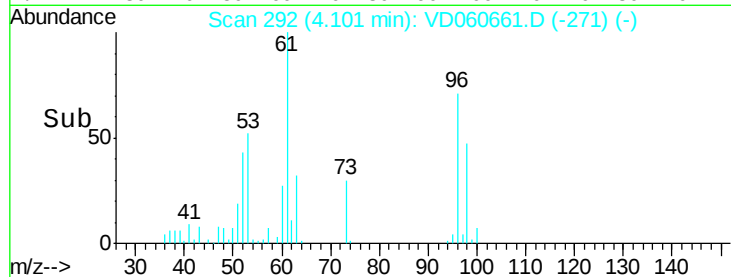
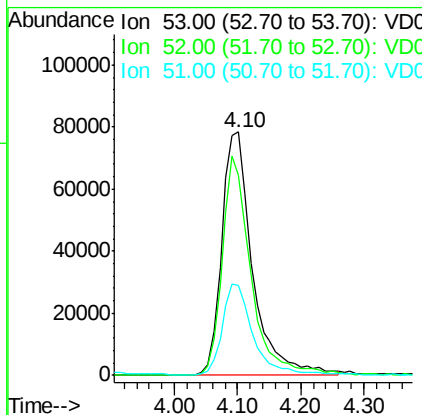
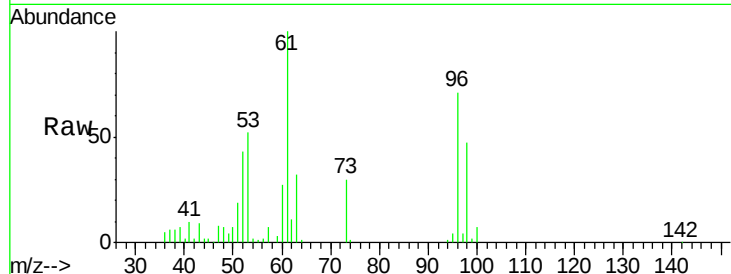
ClientSampleId :

VD1220SBS01

Tgt Ion:	53	Resp:	265903
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.7	100.1
51	37.1	32.7	49.1

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#16

Acetone

Concen: 110.433 ug/l

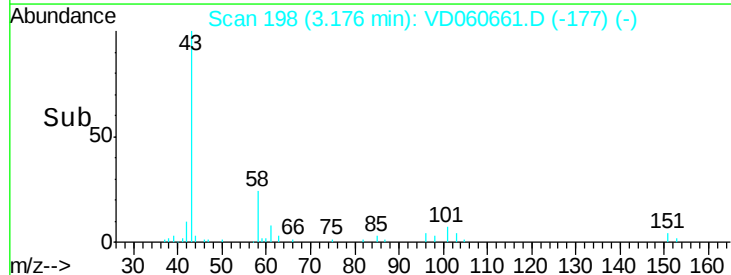
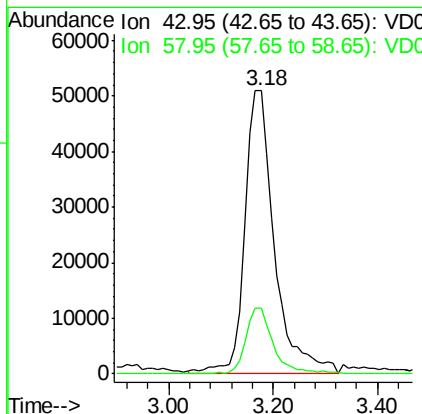
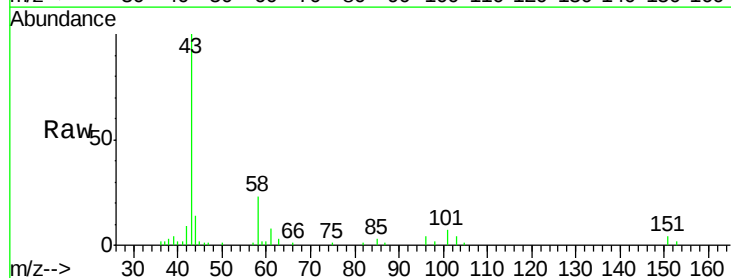
RT: 3.18 min Scan# 198

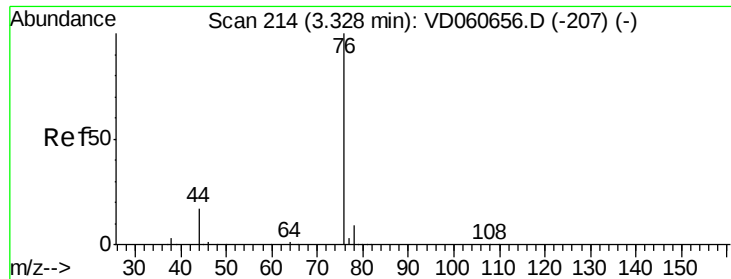
Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion:	43	Resp:	195024
Ion	Ratio	Lower	Upper
43	100		
58	23.3	18.2	27.2





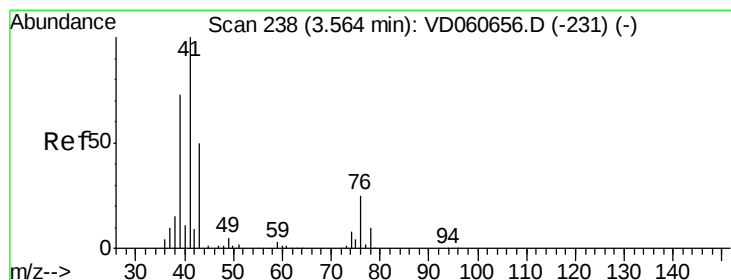
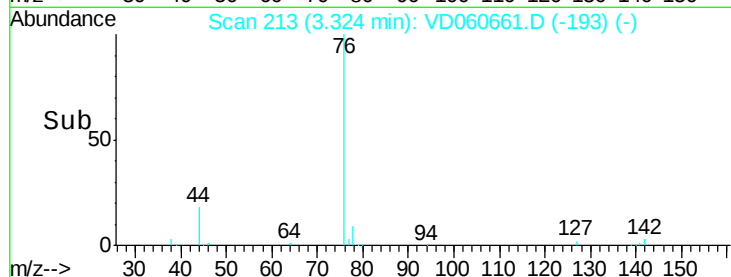
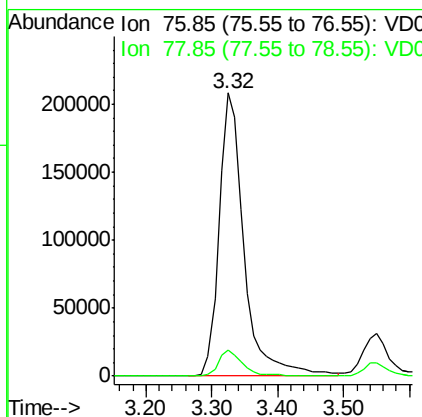
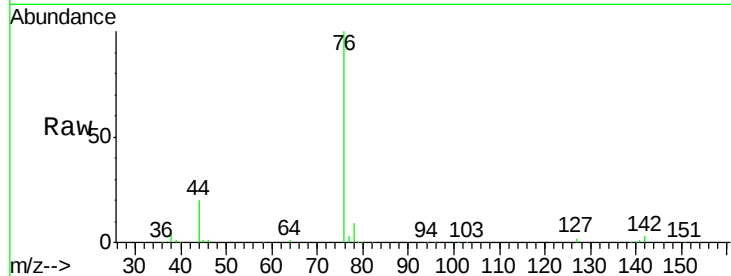
#17
Carbon Disulfide
Concen: 21.190 ug/l
RT: 3.32 min Scan# 213
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion: 76 Resp: 548083
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

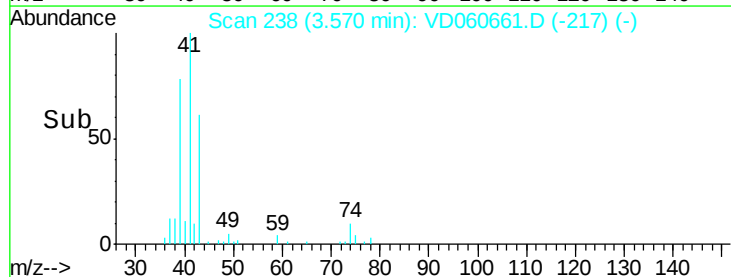
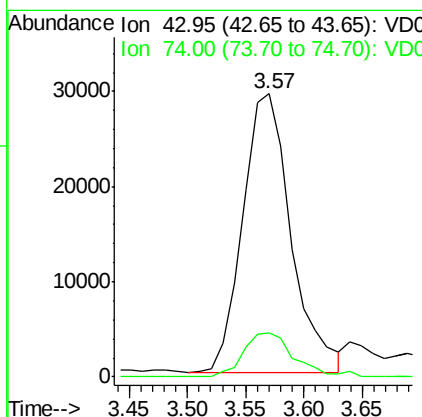
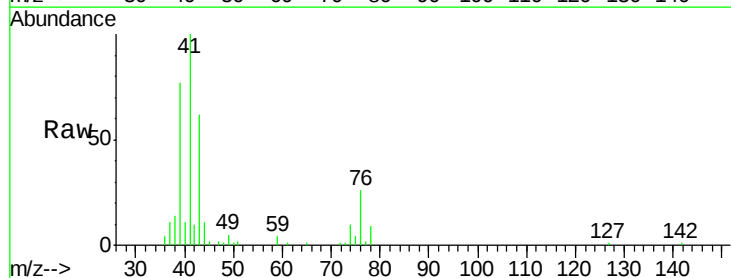
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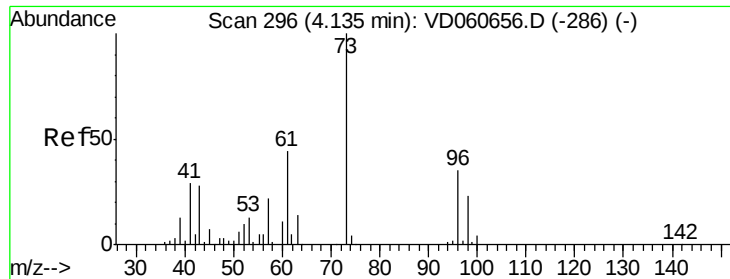
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#18
Methyl Acetate
Concen: 19.211 ug/l
RT: 3.57 min Scan# 238
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 43 Resp: 84083
Ion Ratio Lower Upper
43 100
74 15.4 12.4 18.6





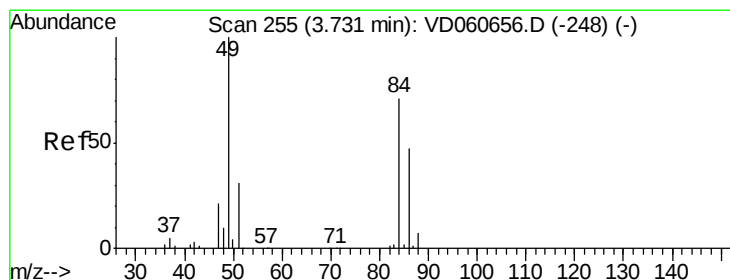
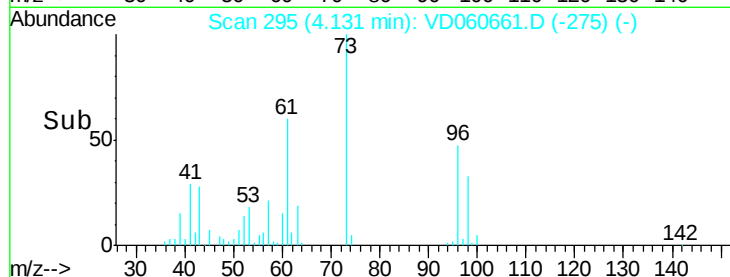
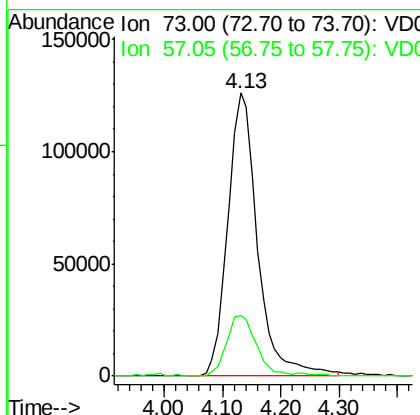
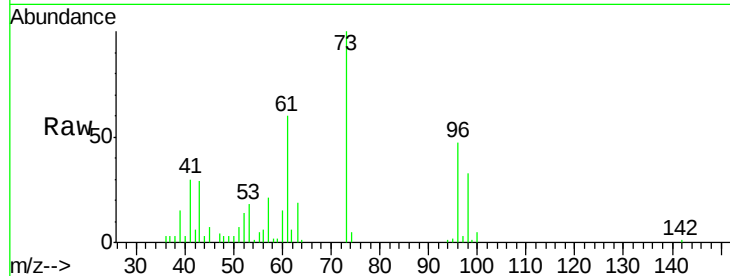
#19
Methyl tert-butyl Ether
Concen: 21.806 ug/l
RT: 4.13 min Scan# 295
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion: 73 Resp: 448070
Ion Ratio Lower Upper
73 100
57 21.5 17.6 26.4

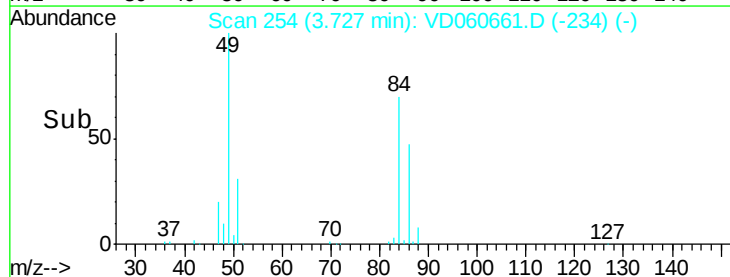
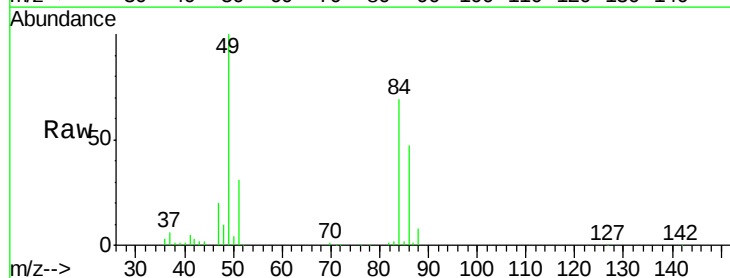
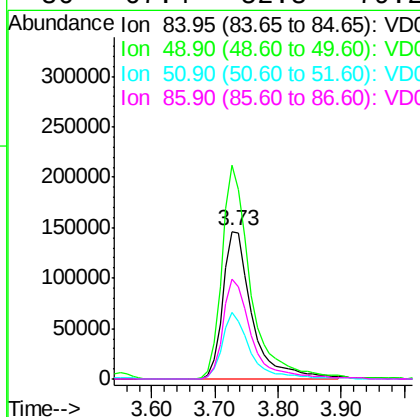
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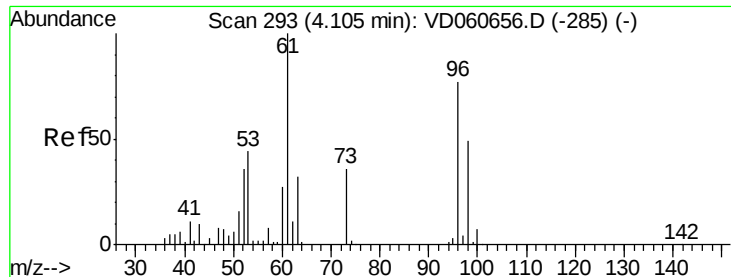
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#20
Methylene Chloride
Concen: 25.729 ug/l
RT: 3.73 min Scan# 254
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 84 Resp: 471880
Ion Ratio Lower Upper
84 100
49 144.9 113.6 170.4
51 45.1 34.7 52.1
86 67.4 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 21.093 ug/l

RT: 4.11 min Scan# 293

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion: 96 Resp: 349849

Ion Ratio Lower Upper

96 100

61 132.2 104.2 156.2

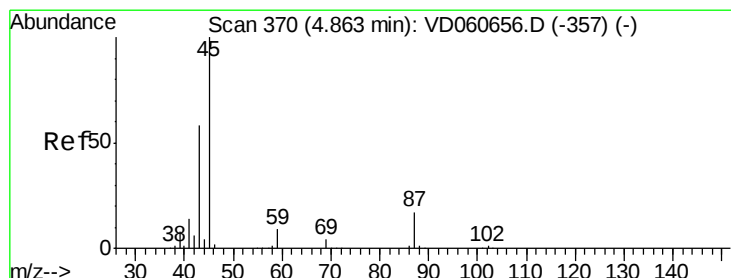
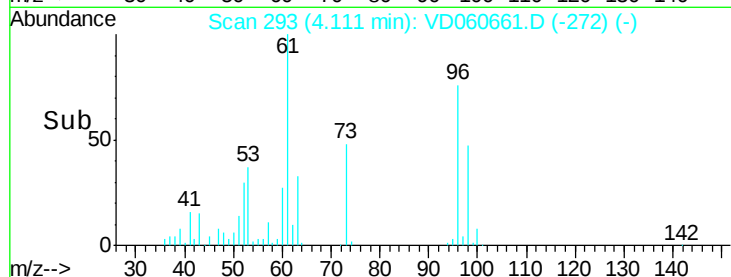
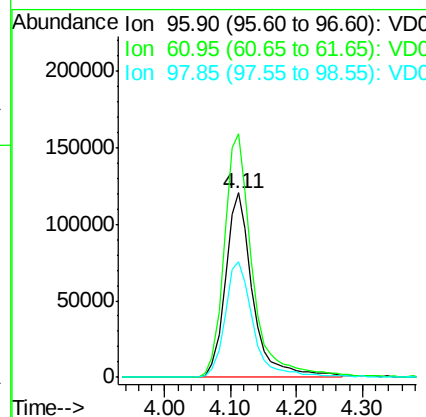
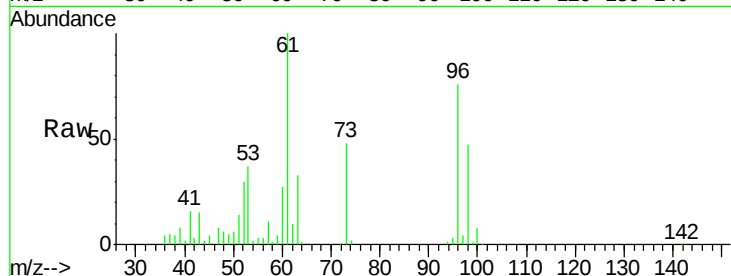
98 62.8 51.2 76.8

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#22

Diisopropyl ether

Concen: 21.695 ug/l

RT: 4.86 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion: 45 Resp: 1094697

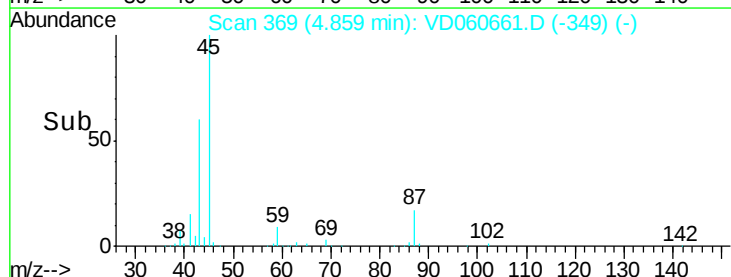
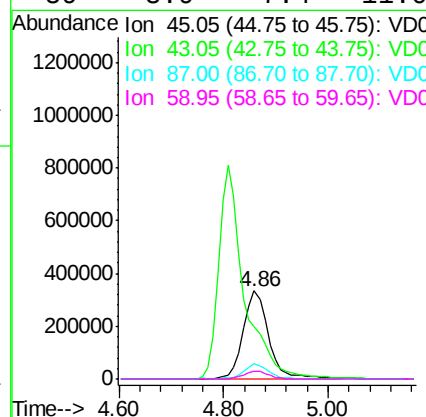
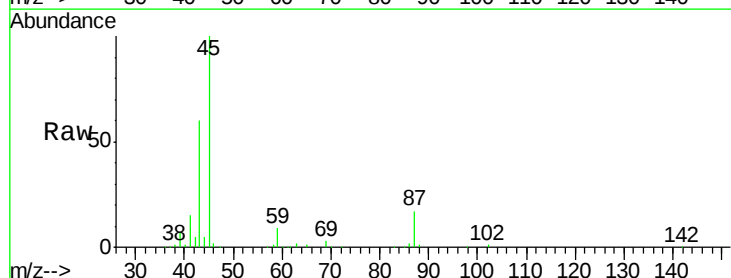
Ion Ratio Lower Upper

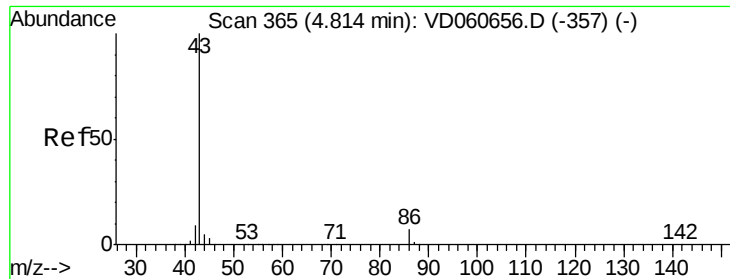
45 100

43 59.9 46.1 69.1

87 16.7 13.7 20.5

59 8.9 7.4 11.0





#23

Vinyl Acetate

Concen: 111.394 ug/l

RT: 4.81 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion: 43 Resp: 2719304

Ion Ratio Lower Upper

43 100

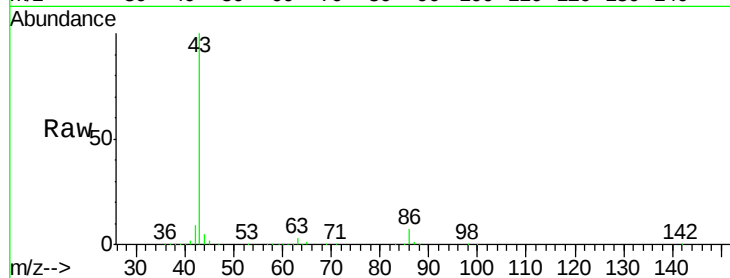
86 6.7 5.6 8.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

600000

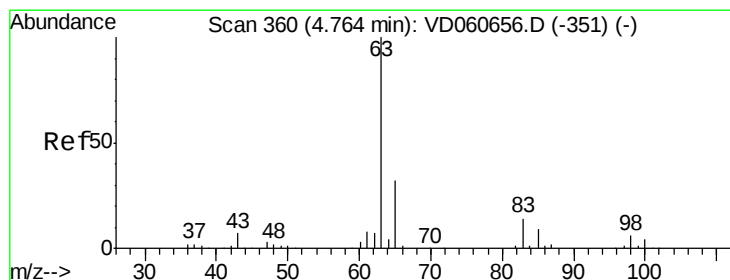
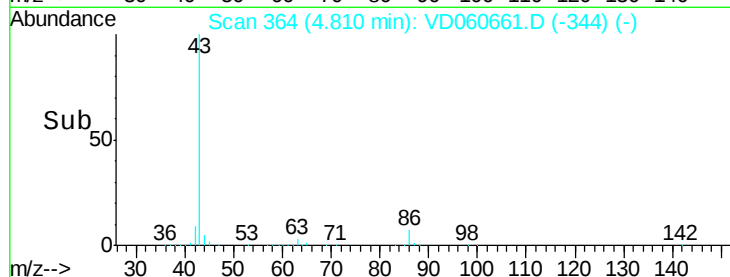
400000

200000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.458 ug/l

RT: 4.76 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

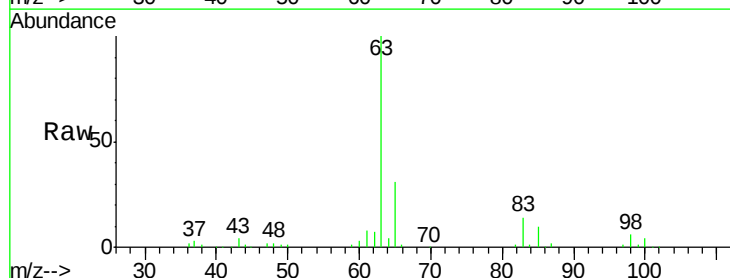
Tgt Ion: 63 Resp: 569505

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.7 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

250000

200000

150000

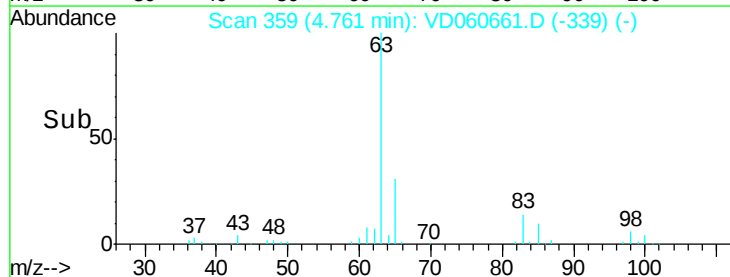
100000

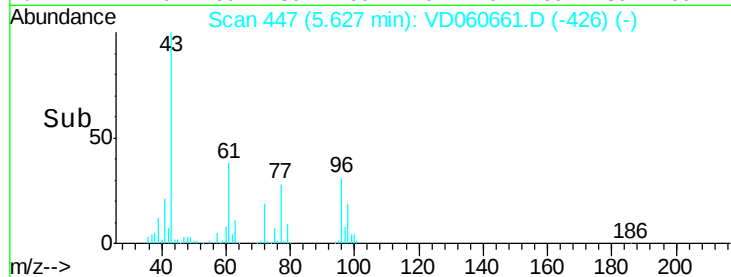
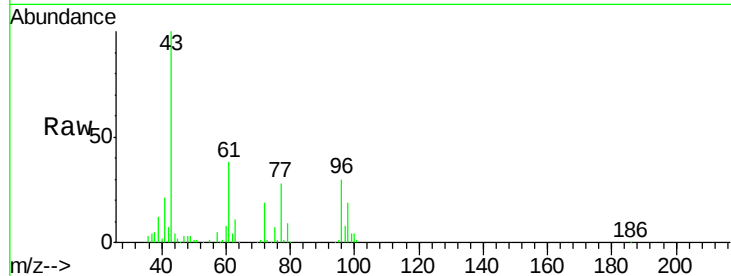
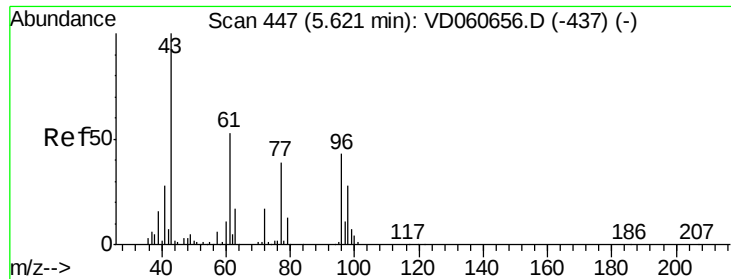
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 108.028 ug/l

RT: 5.63 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion: 43 Resp: 365066

Ion Ratio Lower Upper

43 100

72 18.5 13.7 20.5

Instrument :

MSVOA_D

ClientSampleId :

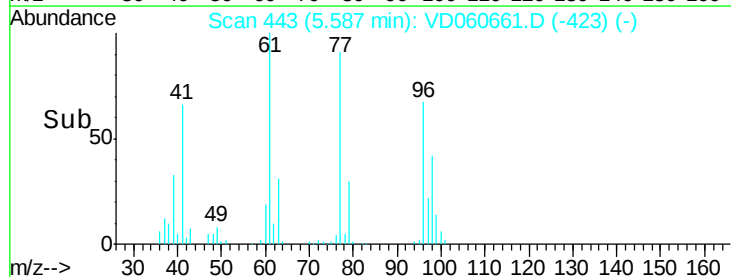
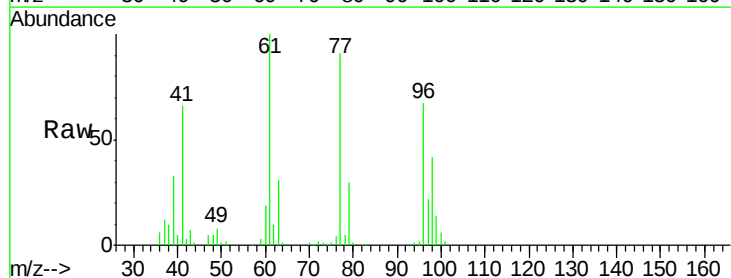
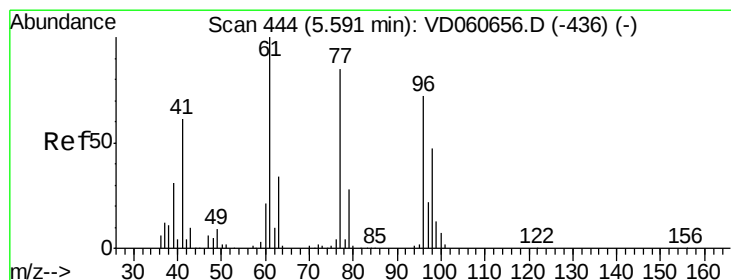
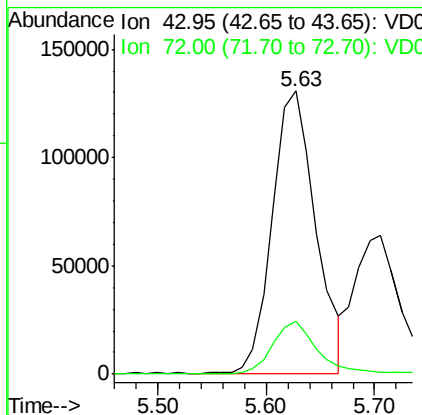
VD1220SBS01

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#26

2,2-Dichloropropane

Concen: 22.140 ug/l

RT: 5.59 min Scan# 443

Delta R.T. -0.00 min

Lab File: VD060661.D

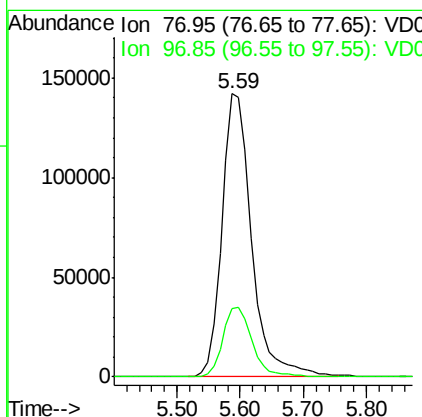
Acq: 20 Dec 2018 16:33

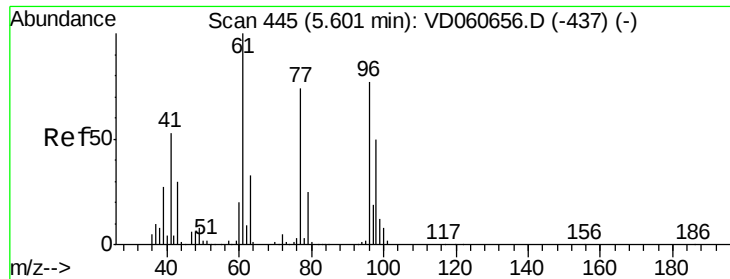
Tgt Ion: 77 Resp: 463828

Ion Ratio Lower Upper

77 100

97 24.1 13.0 39.0





#27

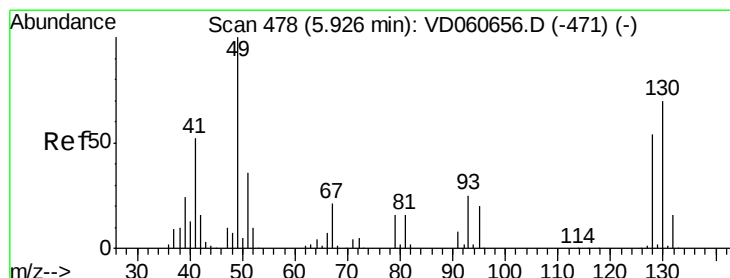
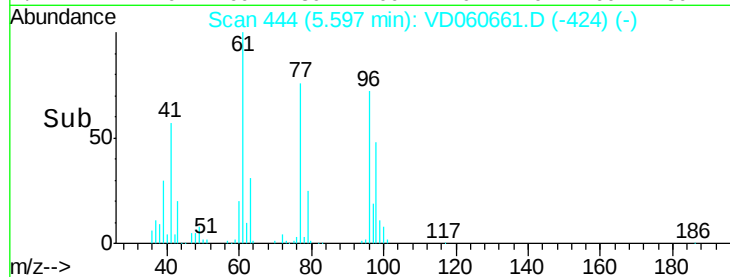
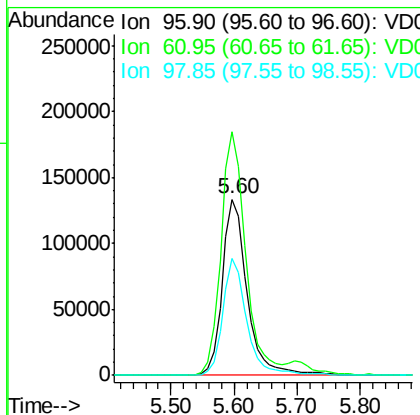
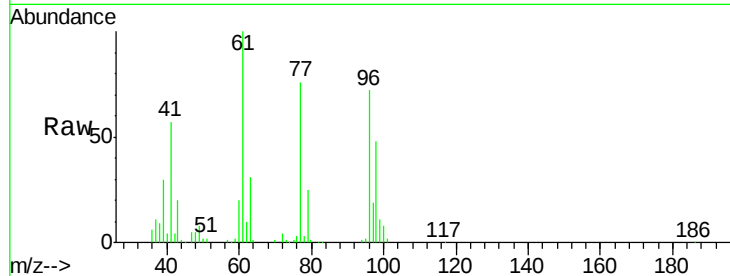
cis-1,2-Dichloroethene
Concen: 21.697 ug/l
RT: 5.60 min Scan# 444
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	365323		
61	138.1	0.0	259.4	
98	66.2	0.0	130.0	

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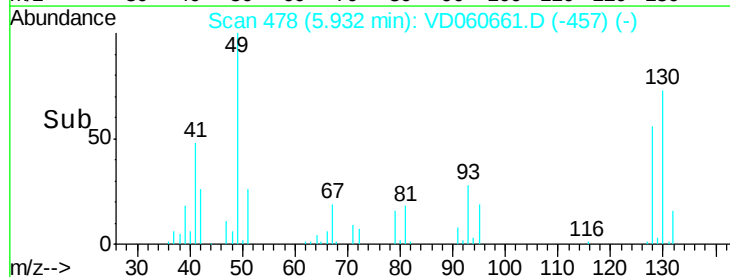
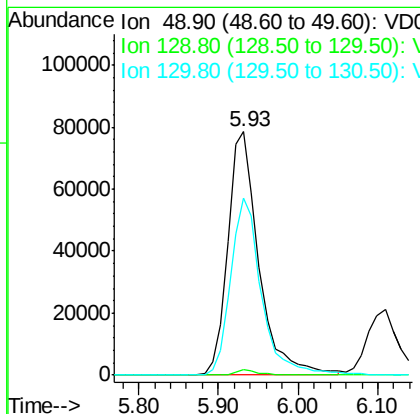
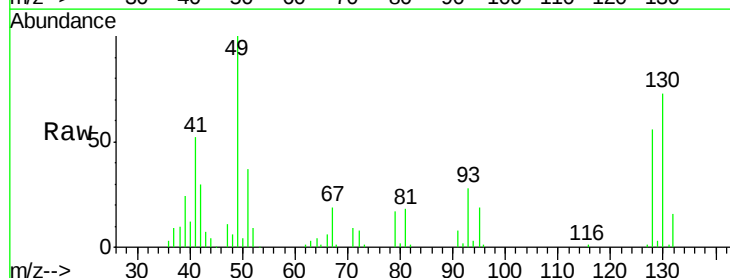
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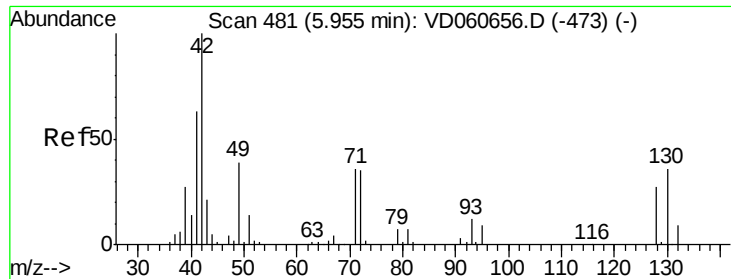


#28

Bromochloromethane
Concen: 19.009 ug/l
RT: 5.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	213128		
129	2.5	0.0	3.4	
130	72.8	56.2	84.2	





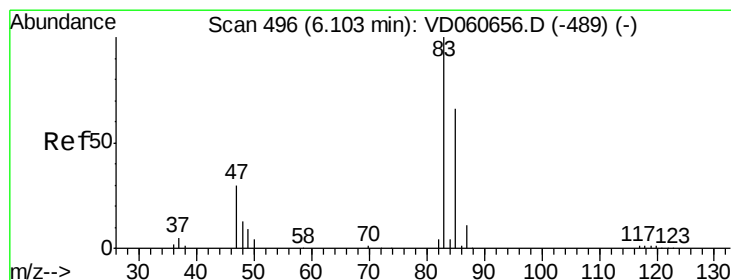
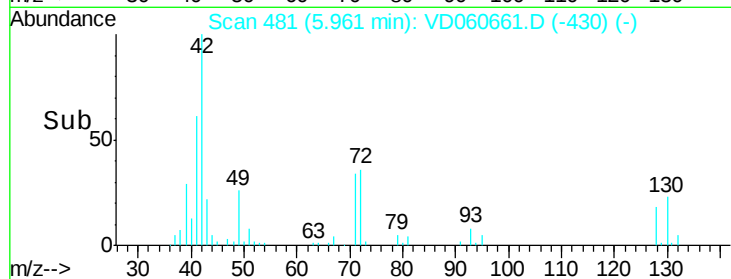
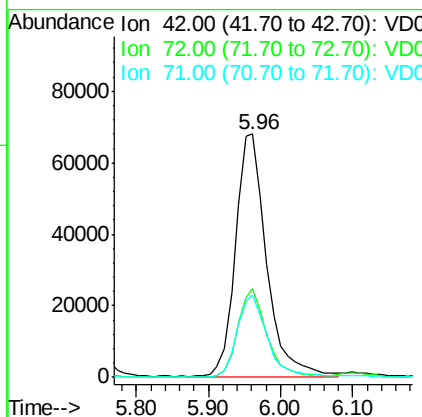
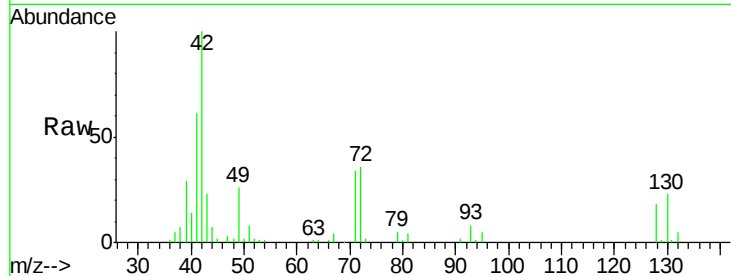
#29
Tetrahydrofuran
Concen: 107.871 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	33.8	28.0	42.0
71	32.6	27.0	40.6

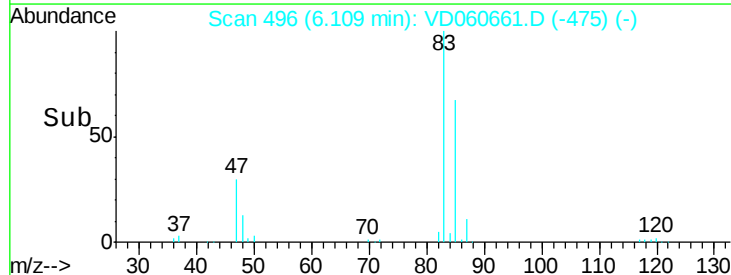
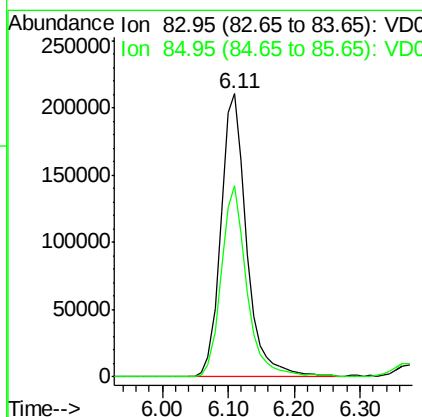
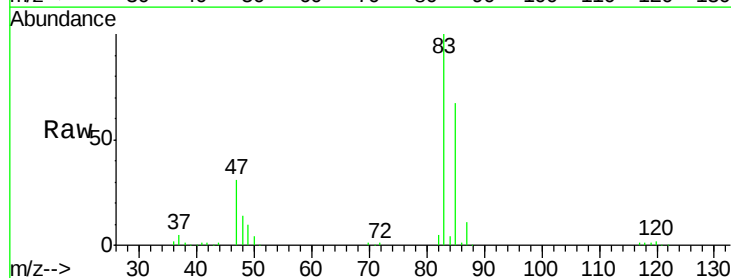
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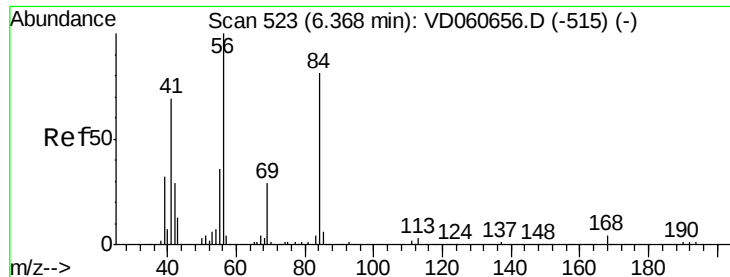
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#30
Chloroform
Concen: 21.543 ug/l
RT: 6.11 min Scan# 496
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	53.0	79.6





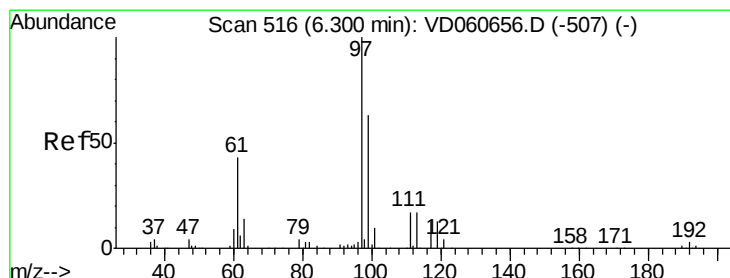
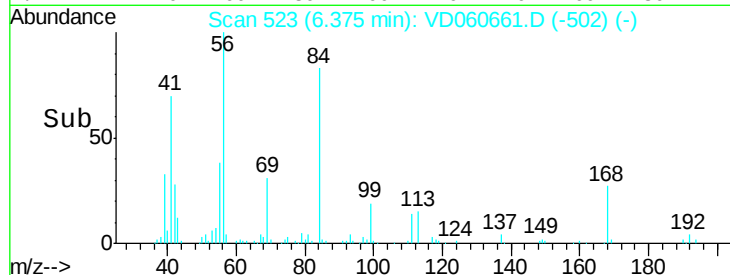
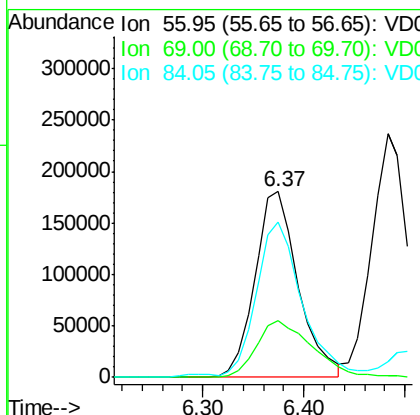
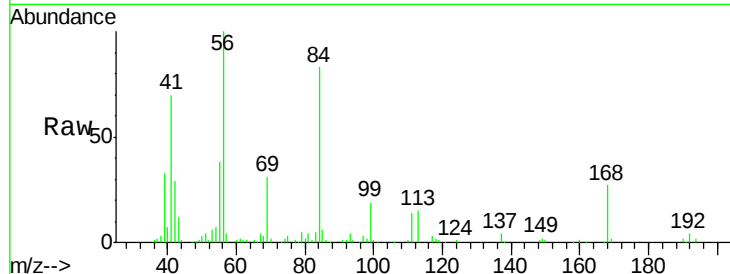
#31
Cyclohexane
Concen: 21.066 ug/l
RT: 6.37 min Scan# 523
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.6	35.4
84	83.5	65.8	98.6

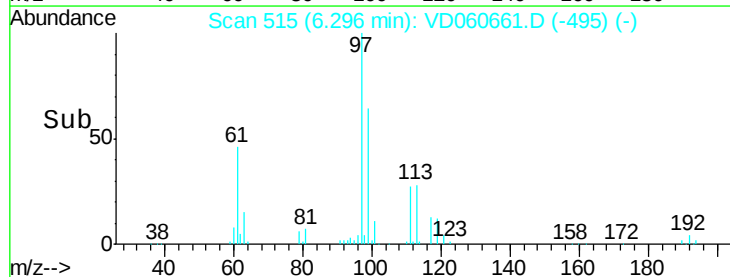
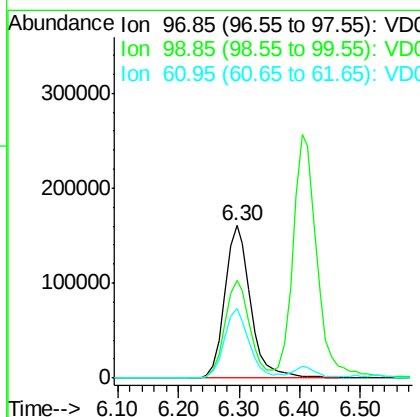
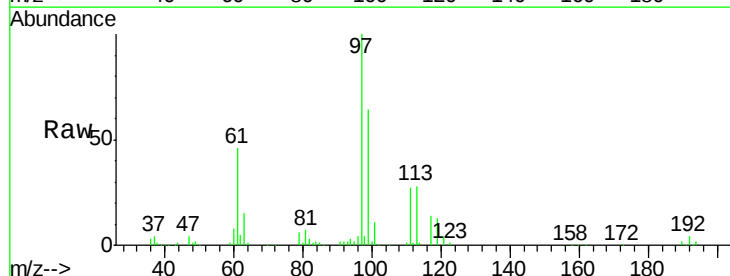
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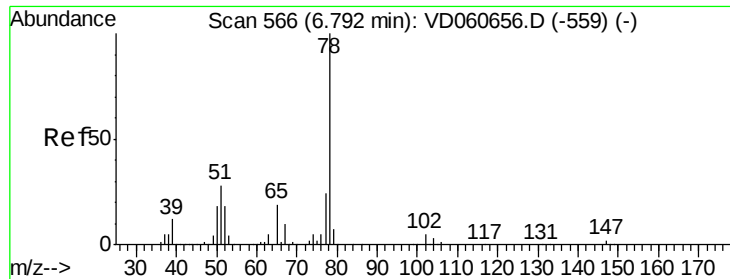
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#32
1,1,1-Trichloroethane
Concen: 21.432 ug/l
RT: 6.30 min Scan# 515
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.5	75.7
61	45.9	34.6	51.8





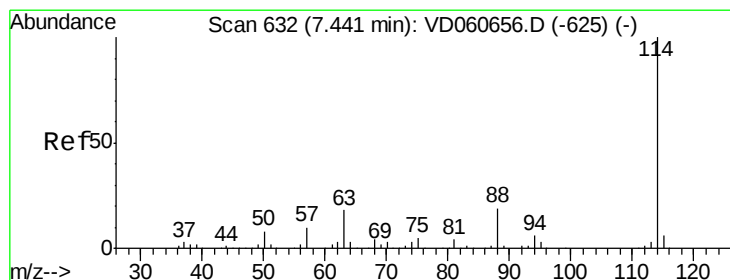
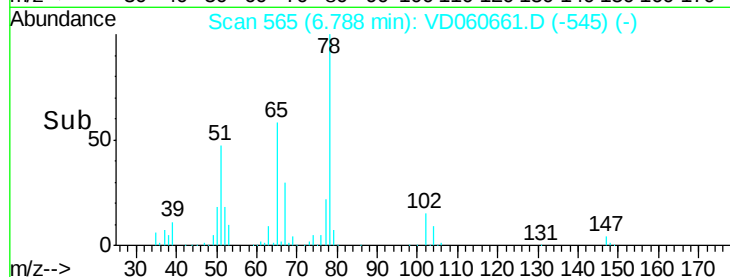
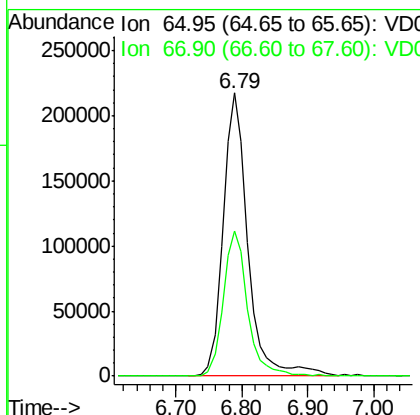
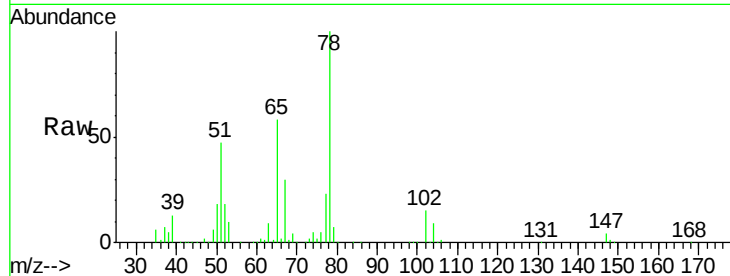
#33
 1,2-Dichloroethane-d4
 Concen: 21.432 ug/l
 RT: 6.79 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tgt Ion: 65 Resp: 570551
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.4

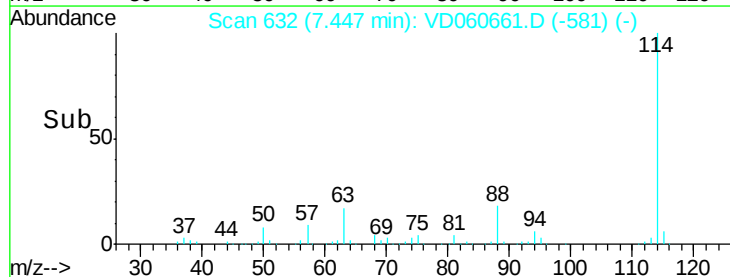
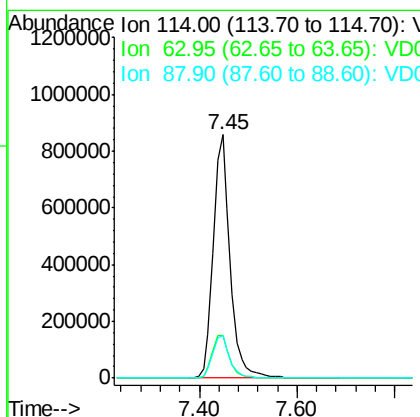
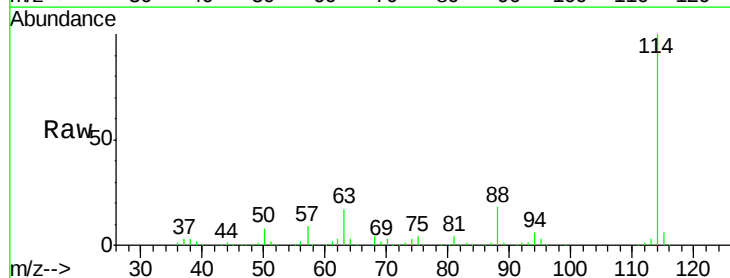
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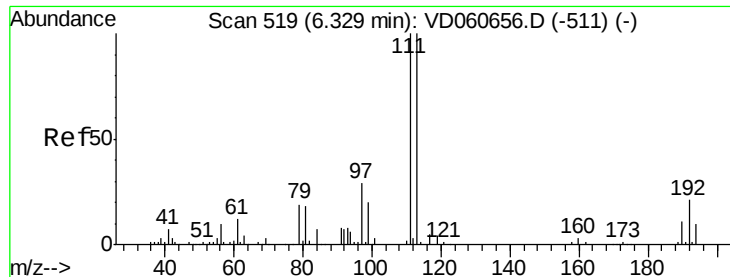
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion: 114 Resp: 2061617
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.2
 88 17.7 0.0 37.0





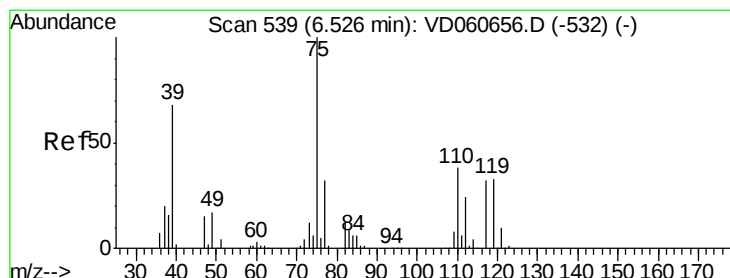
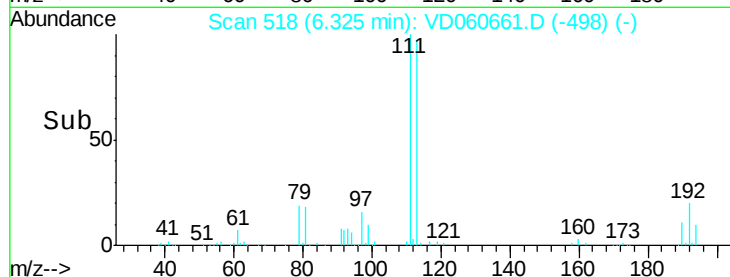
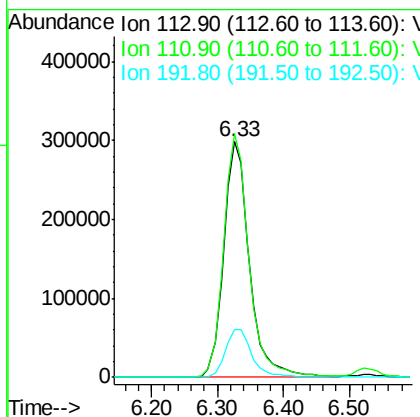
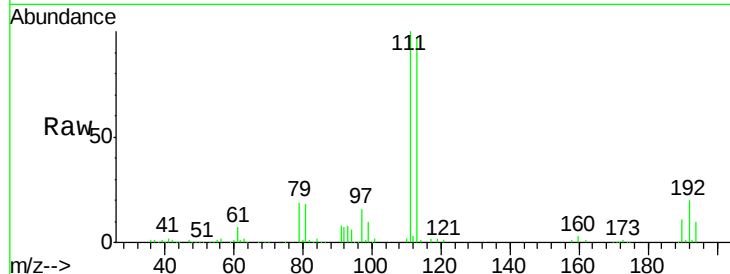
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	817133		
111	103.3	80.0	120.0	
192	20.2	16.6	25.0	

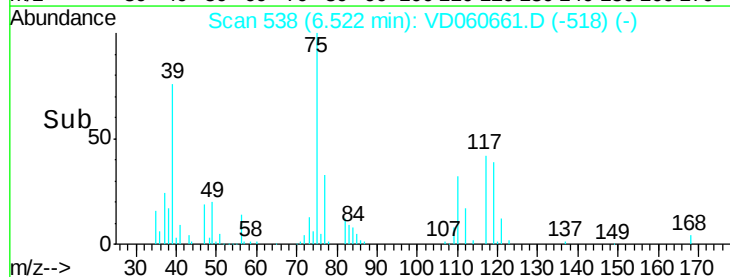
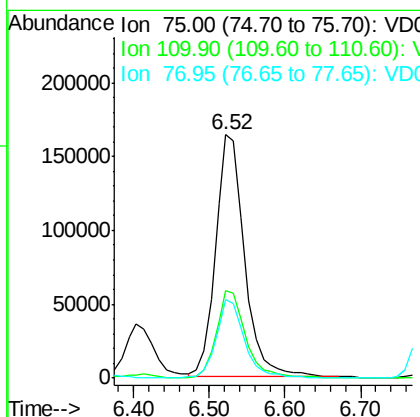
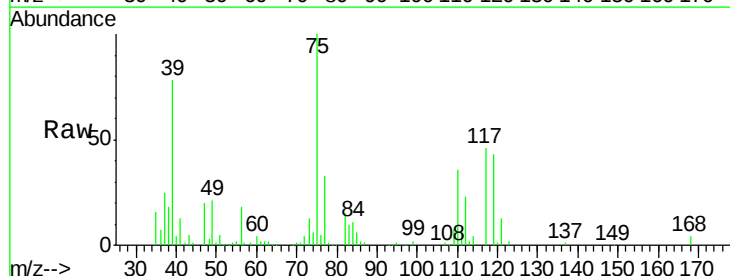
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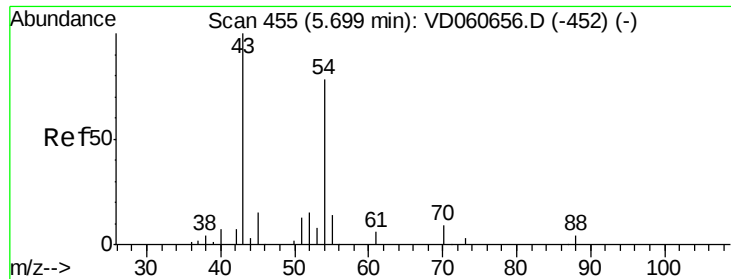
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#36
1,1-Dichloropropene
Concen: 20.649 ug/l
RT: 6.52 min Scan# 538
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	438355		
110	35.9	18.9	56.7	
77	32.5	25.4	38.0	





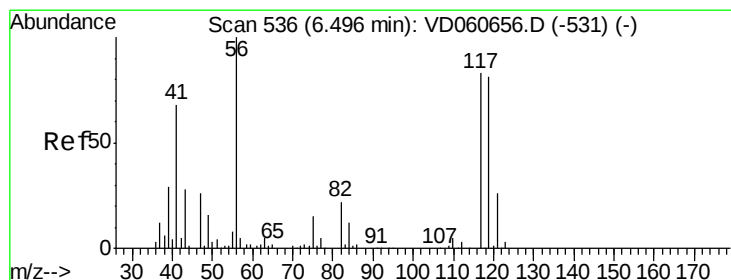
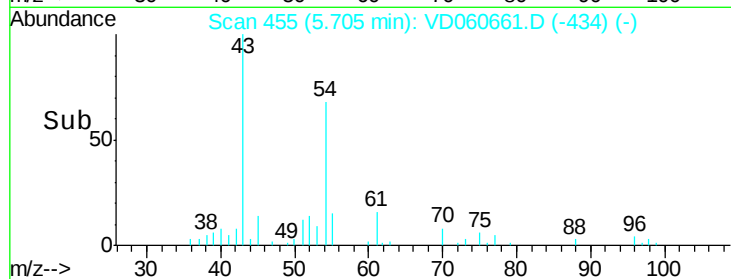
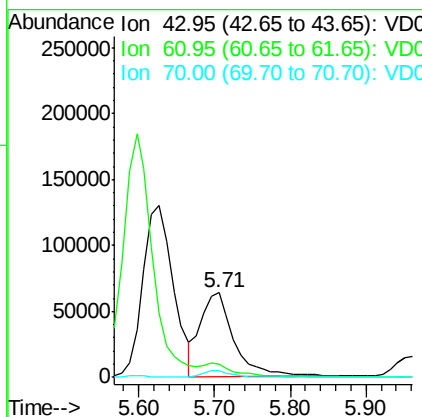
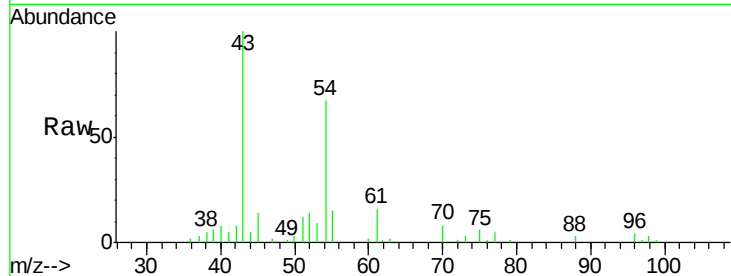
#37
Ethyl Acetate
 Concen: 22.094 ug/l
 RT: 5.71 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	7.6	5.8	8.6

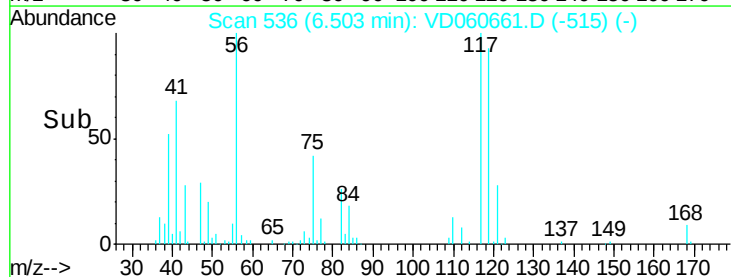
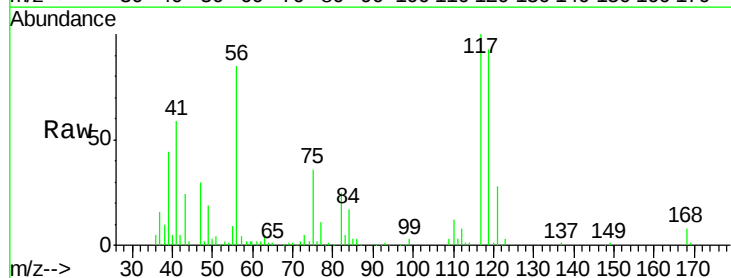
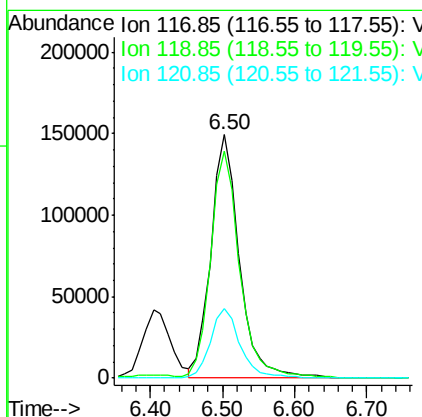
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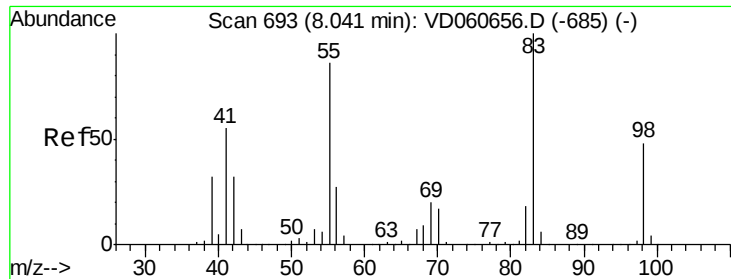
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#38
Carbon Tetrachloride
 Concen: 21.412 ug/l
 RT: 6.50 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.0	115.4
121	28.5	24.7	37.1





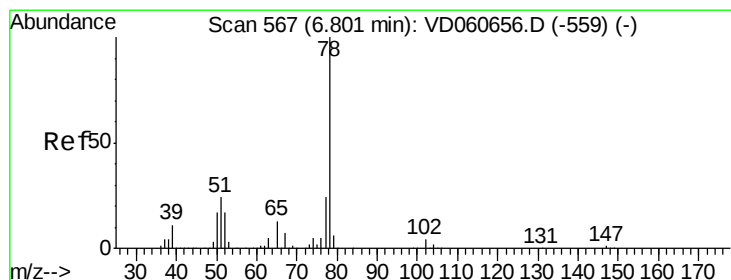
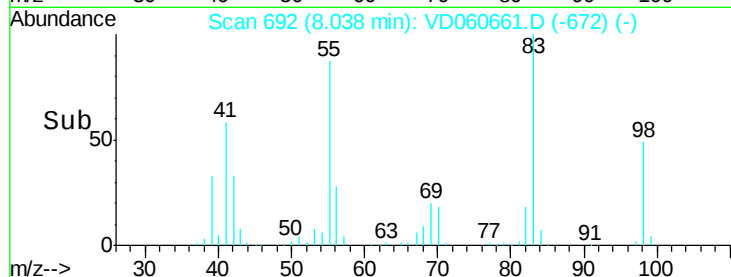
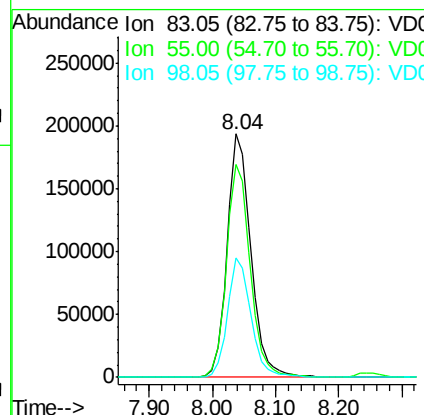
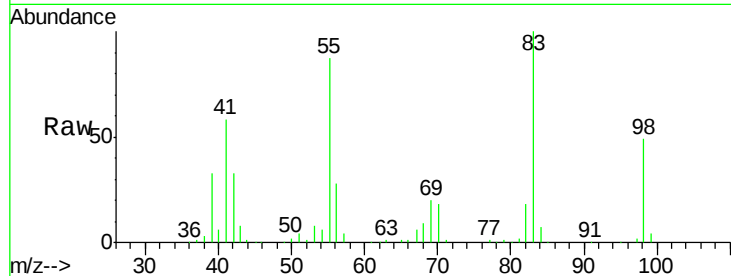
#39
Methylcyclohexane
Concen: 20.942 ug/l
RT: 8.04 min Scan# 692
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.3	68.6	102.8
98	49.2	38.1	57.1

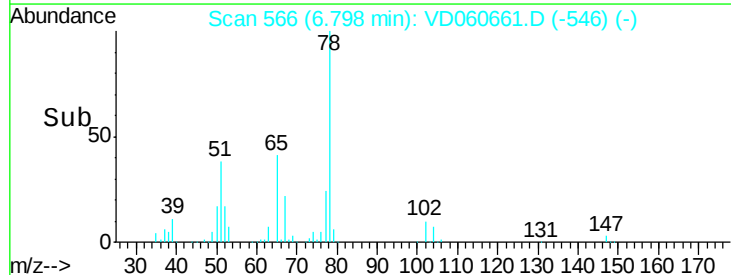
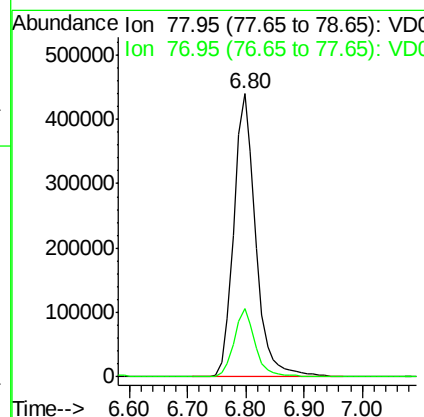
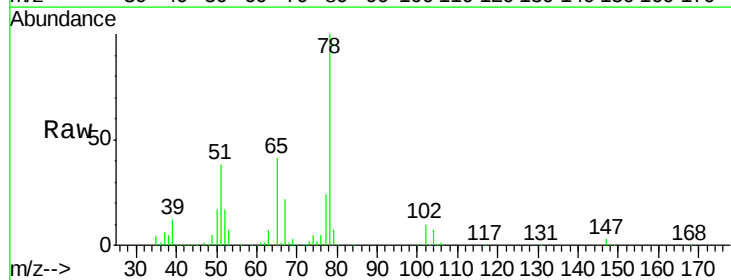
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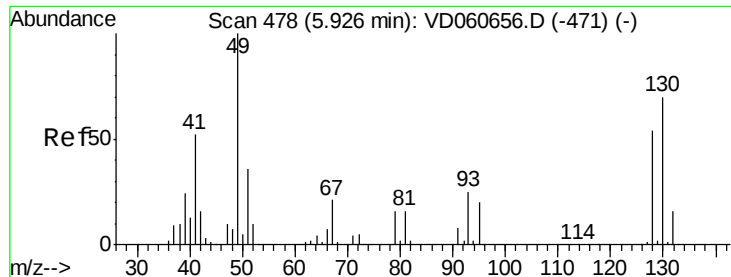
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#40
Benzene
Concen: 20.995 ug/l
RT: 6.80 min Scan# 566
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 18.736 ug/l m

RT: 5.92 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion: 41 Resp: 92012

Ion Ratio Lower Upper

41 100

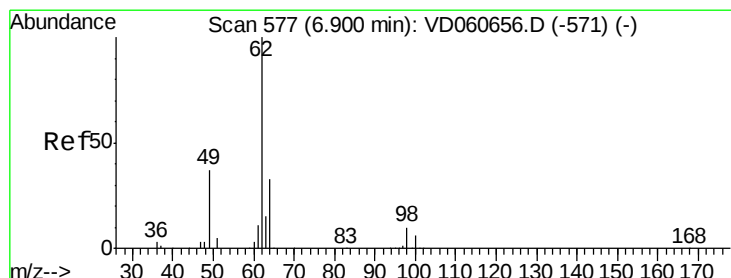
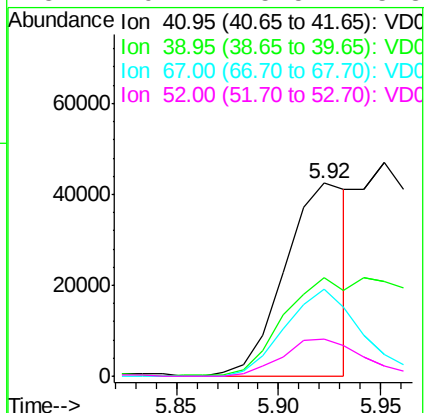
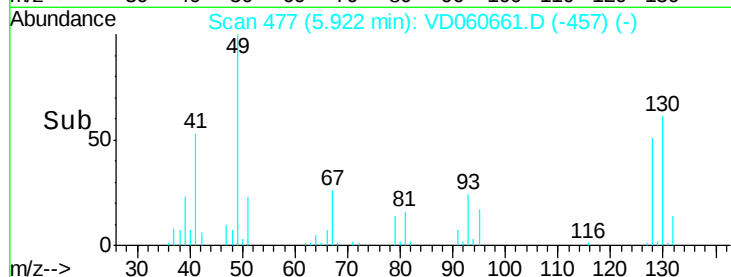
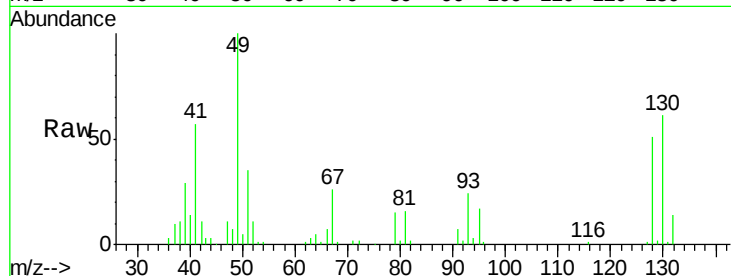
39 50.9 37.6 56.4

67 45.2 33.0 49.6

52 19.2 15.5 23.3

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#42

1,2-Dichloroethane

Concen: 21.355 ug/l

RT: 6.90 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD060661.D

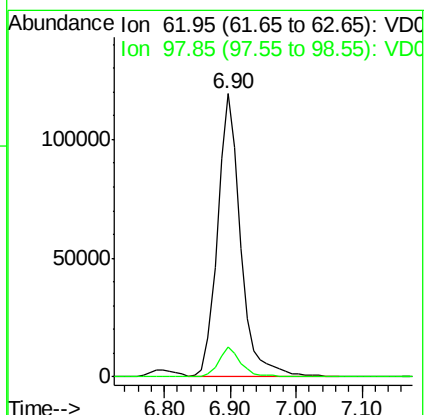
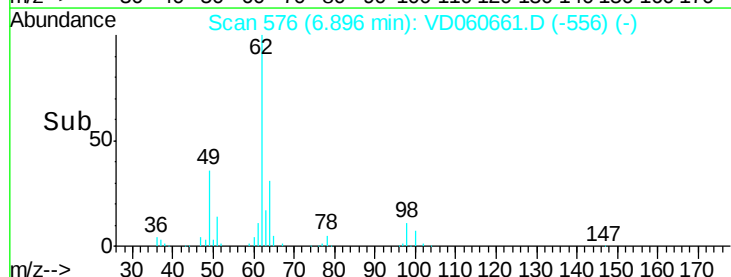
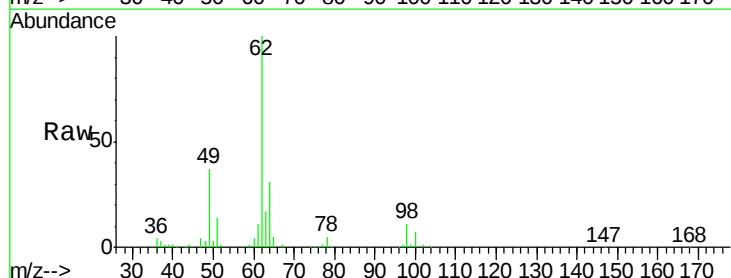
Acq: 20 Dec 2018 16:33

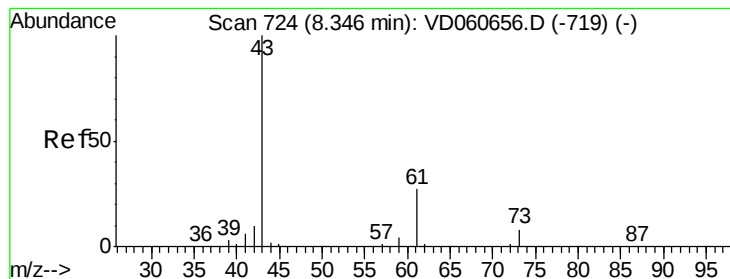
Tgt Ion: 62 Resp: 290598

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.4





#43

Isopropyl Acetate

Concen: 20.298 ug/l

RT: 8.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

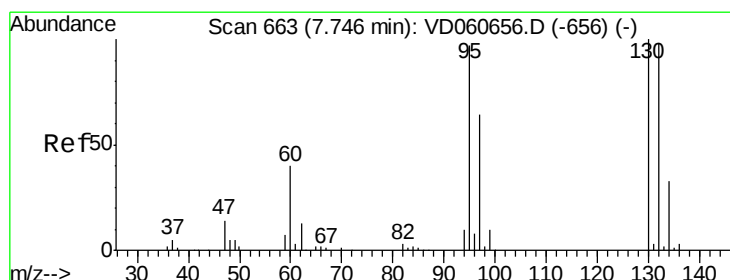
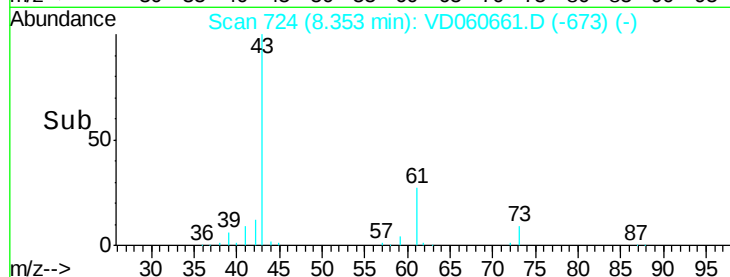
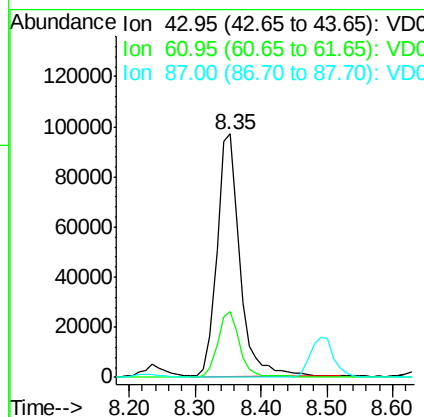
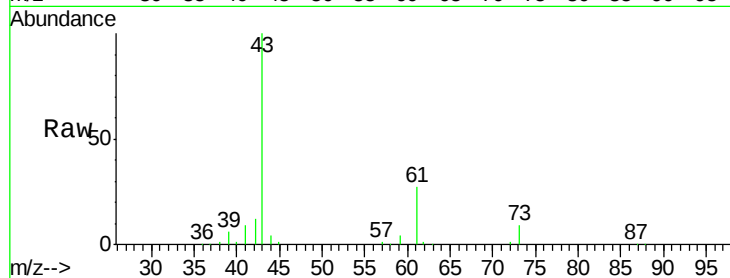
ClientSampleId :

VD1220SBS01

Tgt Ion:	43	Resp:	231271
Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.8	32.8
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 21.287 ug/l

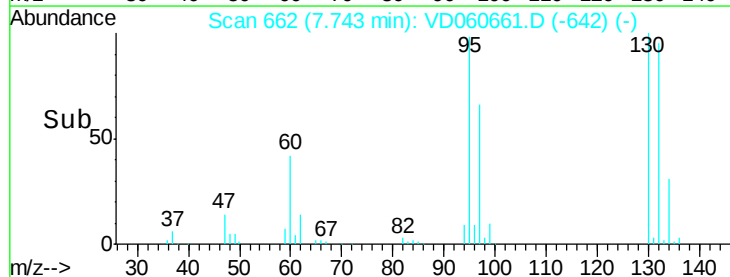
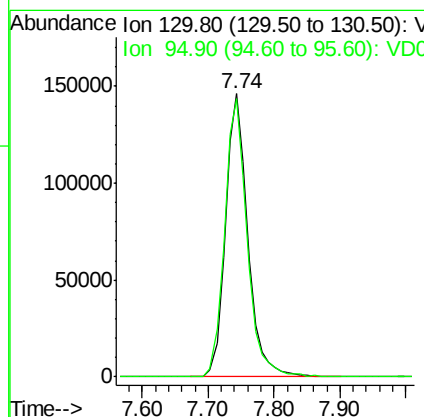
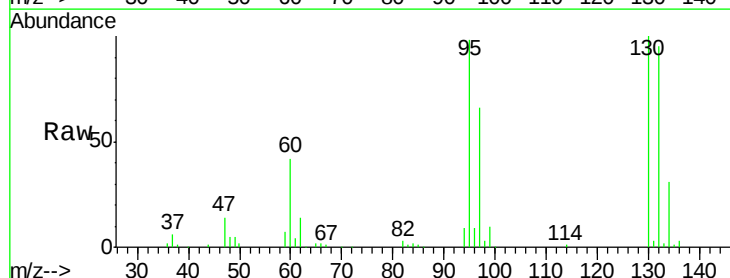
RT: 7.74 min Scan# 662

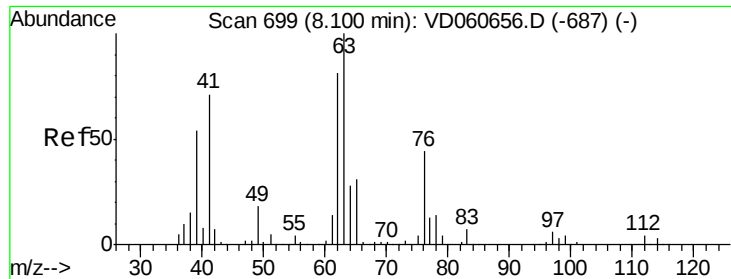
Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion:	130	Resp:	345496
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	193.6





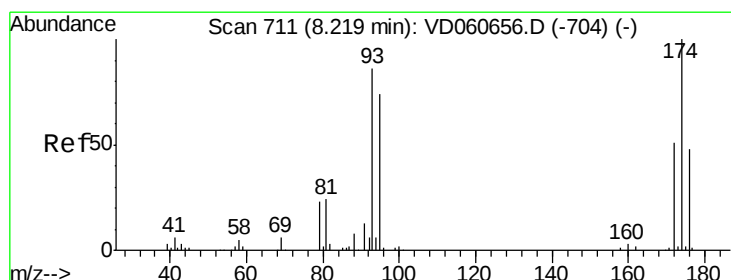
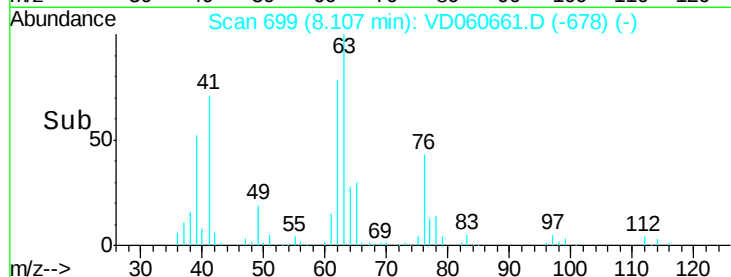
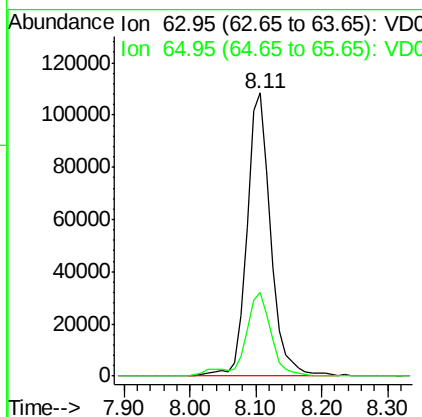
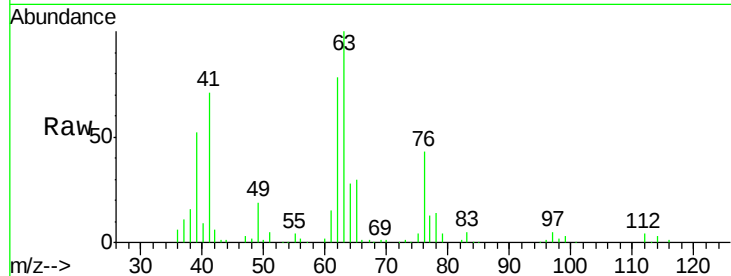
#45
 1,2-Dichloropropane
 Concen: 20.271 ug/l
 RT: 8.11 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tgt Ion: 63 Resp: 272603
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.0 37.6

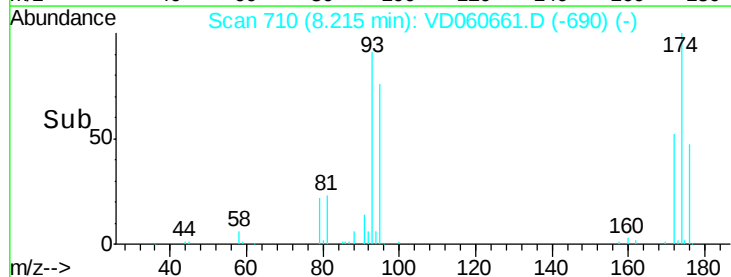
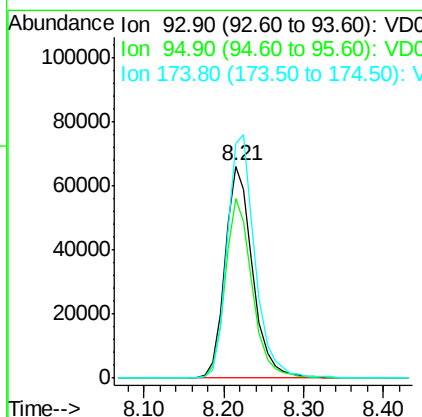
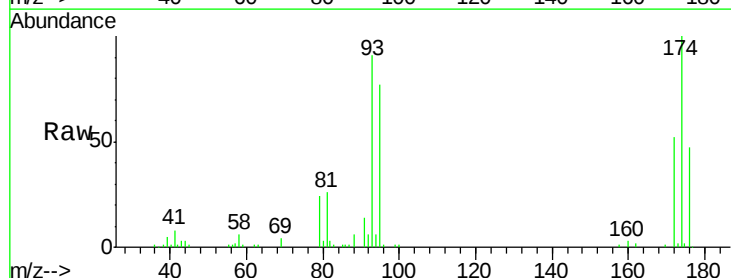
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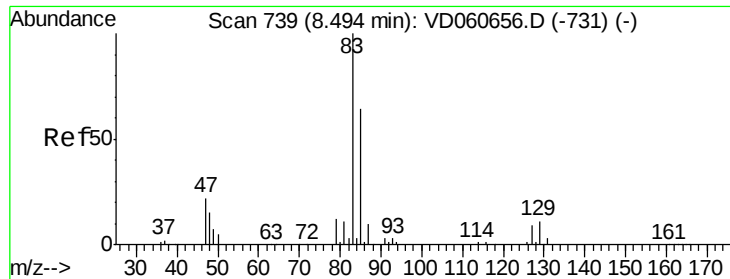
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#46
 Dibromomethane
 Concen: 20.859 ug/l
 RT: 8.21 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion: 93 Resp: 160100
 Ion Ratio Lower Upper
 93 100
 95 84.7 68.8 103.2
 174 110.4 93.0 139.4





#47

Bromodichloromethane

Concen: 20.482 ug/l

RT: 8.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

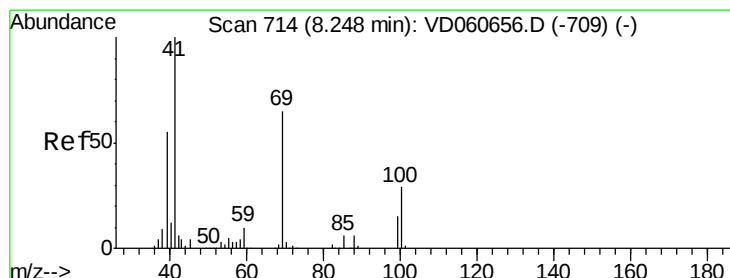
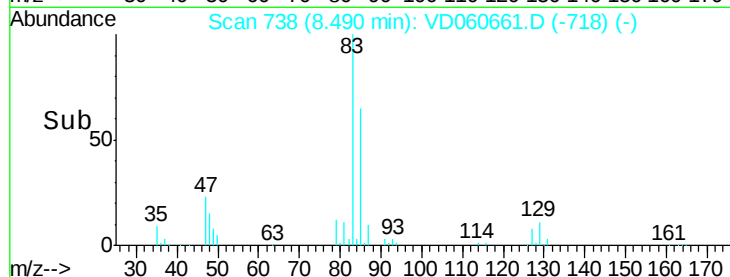
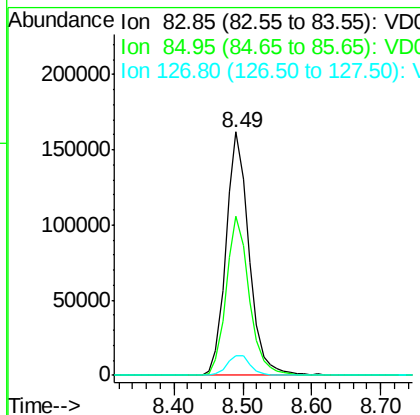
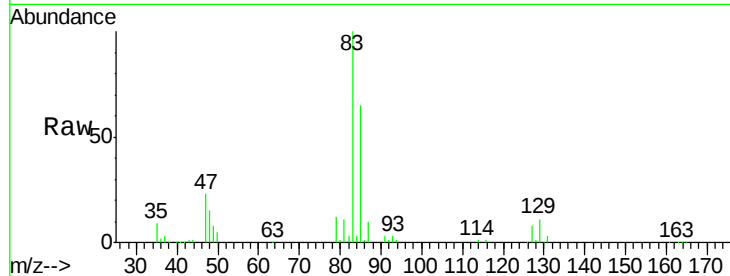
ClientSampleId :

VD1220SBS01

Tgt Ion:	83	Resp:	372336
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.1	76.7
127	8.3	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.207 ug/l

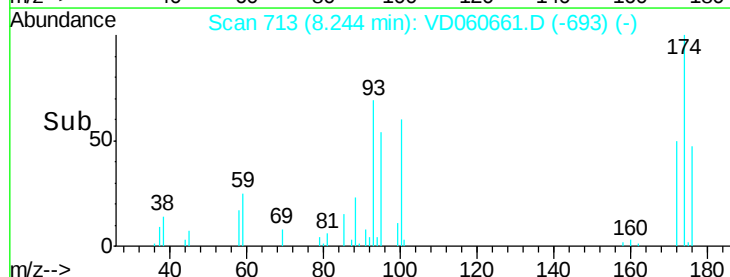
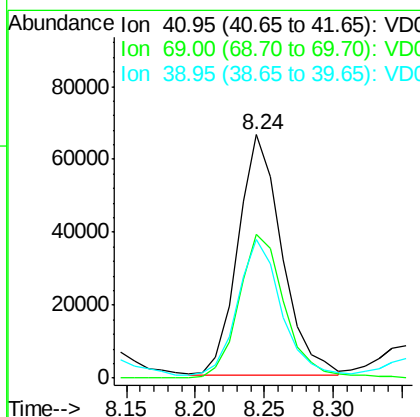
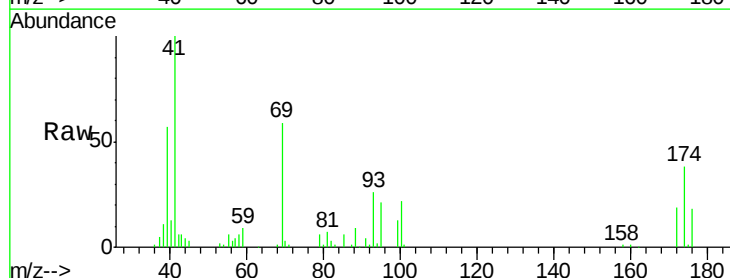
RT: 8.24 min Scan# 713

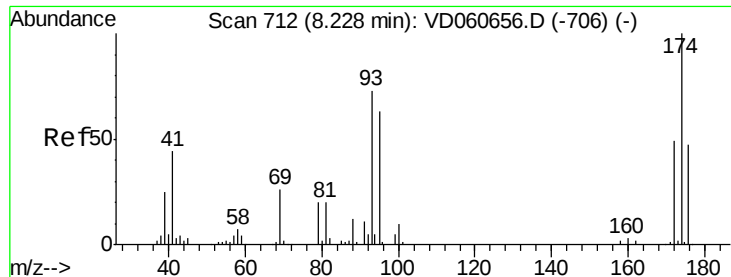
Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion:	41	Resp:	146756
Ion	Ratio	Lower	Upper
41	100		
69	58.9	51.2	76.8
39	56.9	44.6	67.0





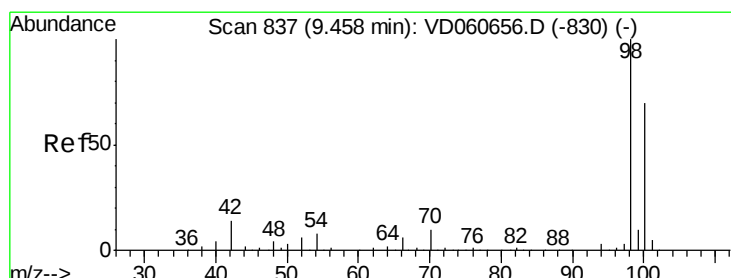
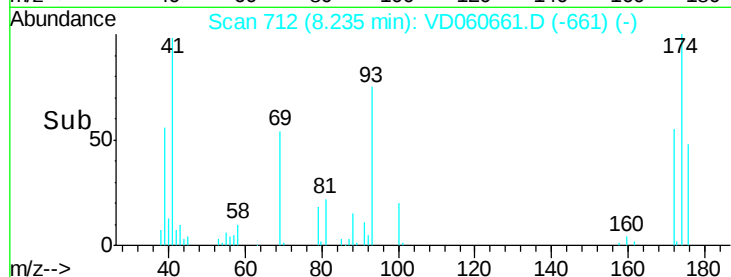
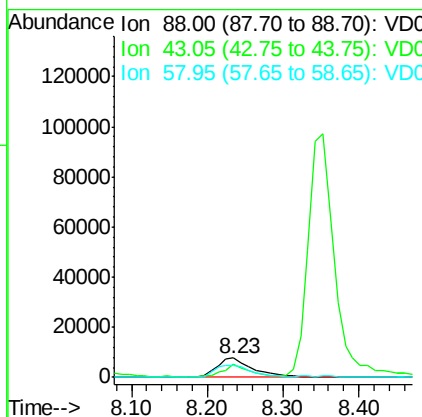
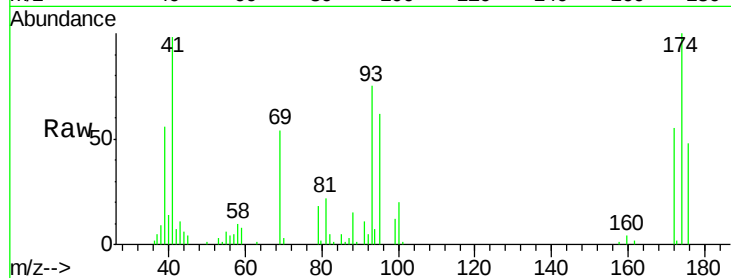
#49
1,4-Dioxane
Concen: 395.774 ug/l
RT: 8.23 min Scan# 712
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion: 88 Resp: 25465
Ion Ratio Lower Upper
88 100
43 69.7 31.5 47.3#
58 61.9 50.6 76.0

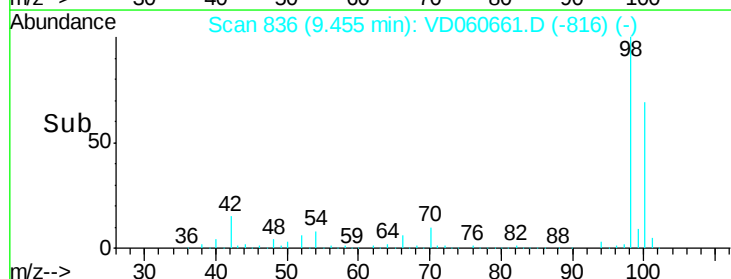
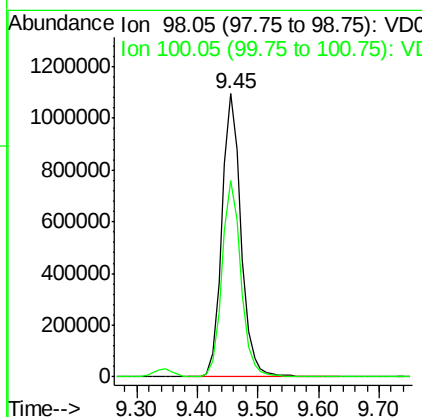
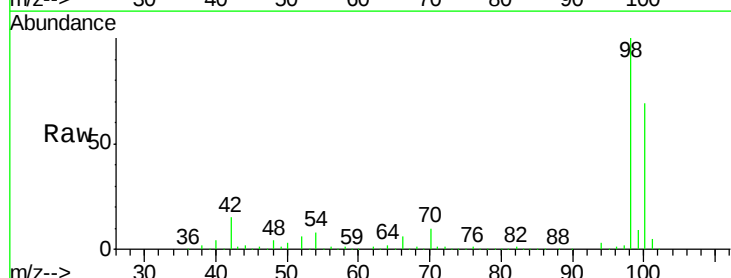
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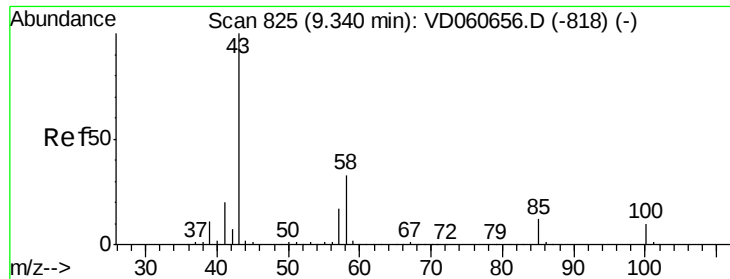
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#50
Toluene-d8
Concen: 395.774 ug/l
RT: 9.45 min Scan# 836
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 98 Resp: 2393280
Ion Ratio Lower Upper
98 100
100 69.4 55.8 83.8





#51

4-Methyl-2-Pentanone

Concen: 106.259 ug/l

RT: 9.35 min Scan# 825

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion: 43 Resp: 741750

Ion Ratio Lower Upper

43 100

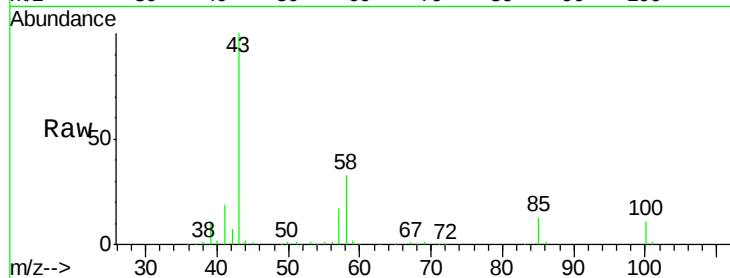
58 33.3 26.3 39.5

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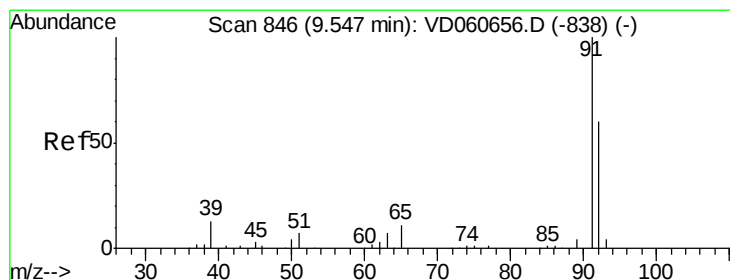
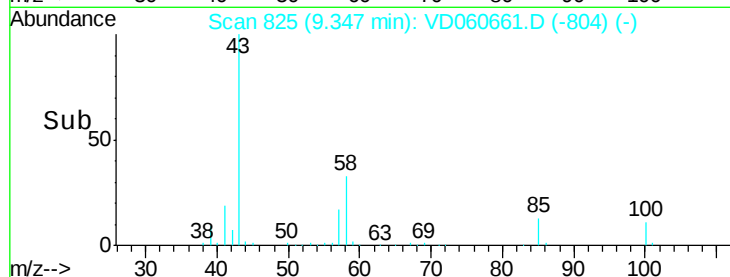
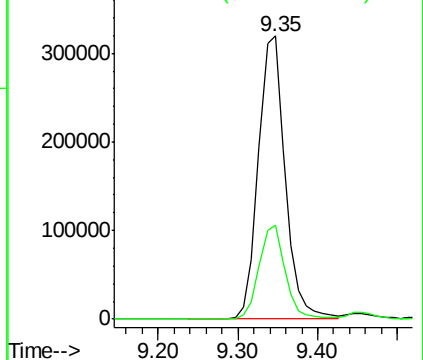
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.906 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.01 min

Lab File: VD060661.D

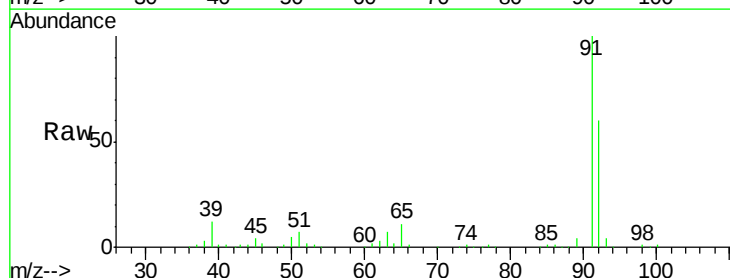
Acq: 20 Dec 2018 16:33

Tgt Ion: 92 Resp: 718672

Ion Ratio Lower Upper

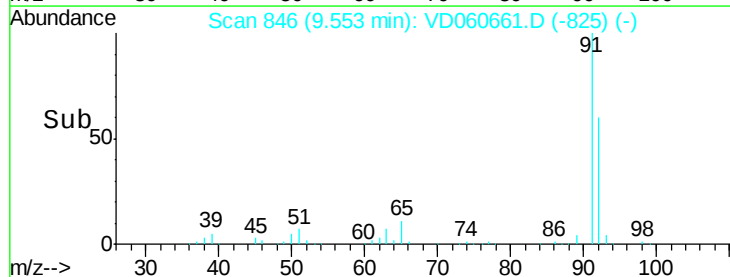
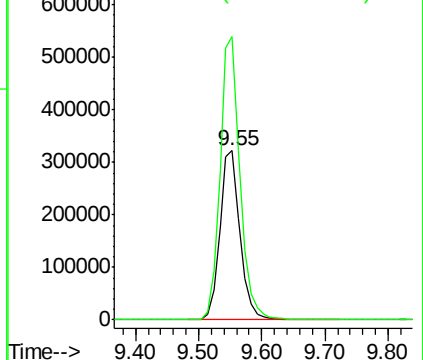
92 100

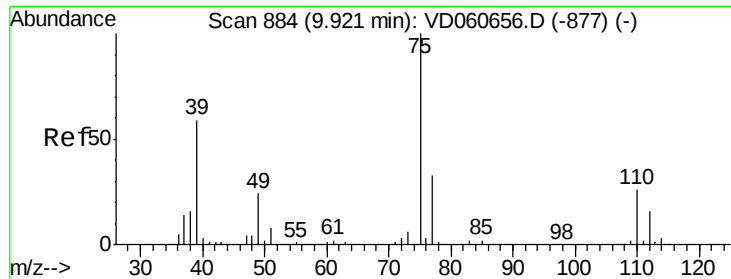
91 167.1 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.842 ug/l

RT: 9.92 min Scan# 883

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.0	39.0

Instrument :

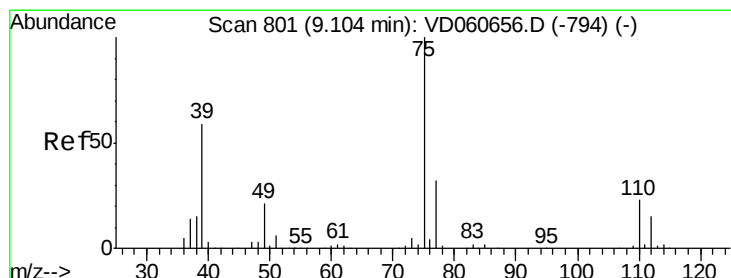
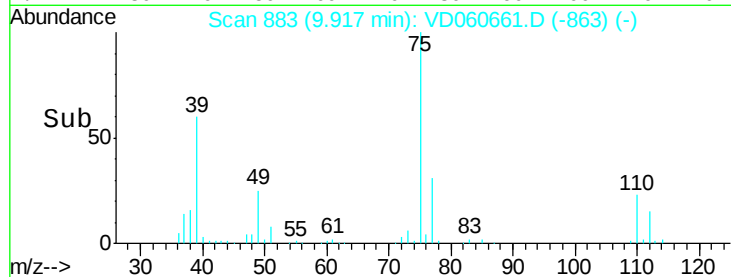
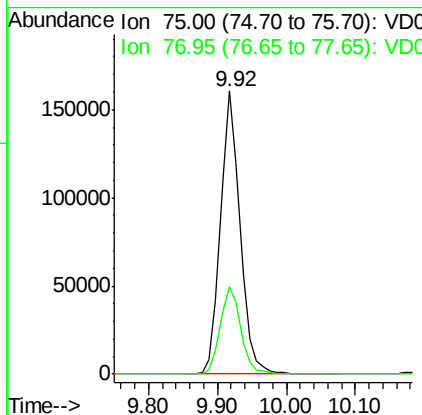
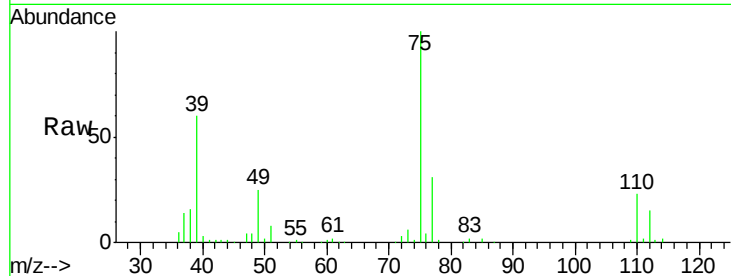
MSVOA_D

ClientSampleId :

VD1220SBS01

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#54

cis-1,3-Dichloropropene

Concen: 20.742 ug/l

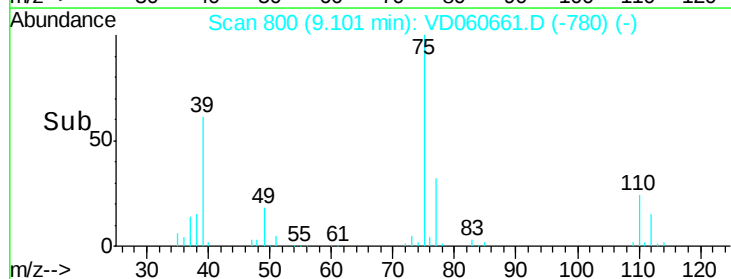
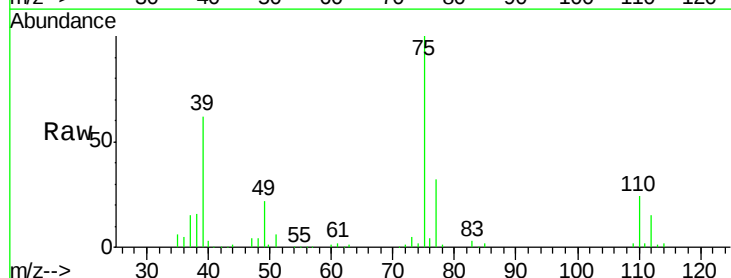
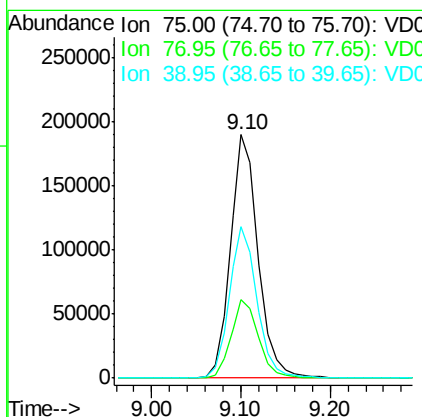
RT: 9.10 min Scan# 800

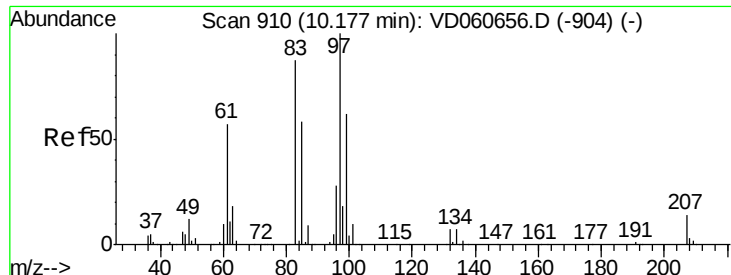
Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2
39	62.2	47.0	70.4





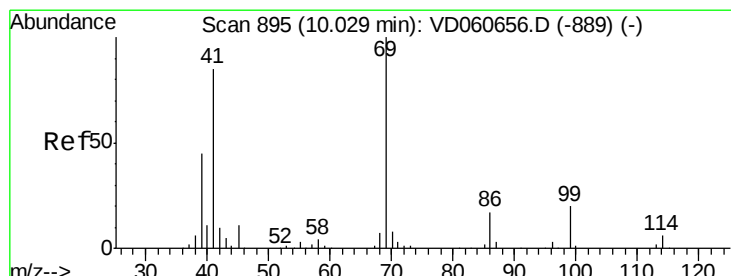
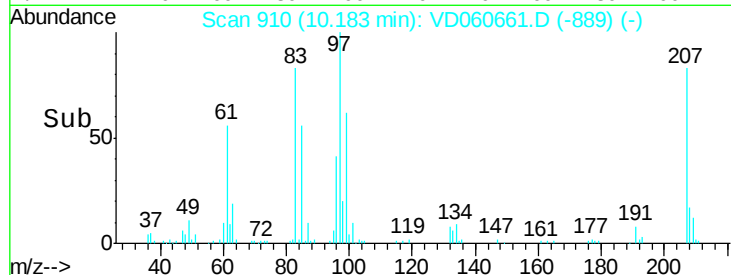
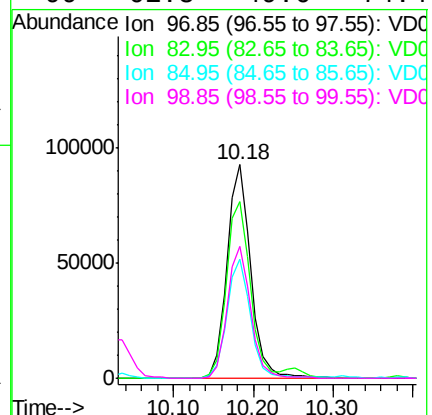
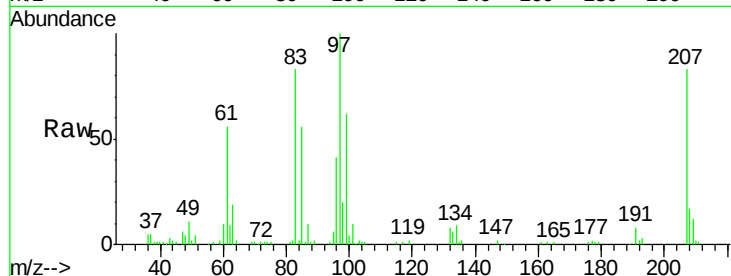
#55
 1,1,2-Trichloroethane
 Concen: 21.012 ug/l
 RT: 10.18 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	194341		
83	82.9	70.0	105.0	
85	55.7	46.6	70.0	
99	61.8	49.6	74.4	

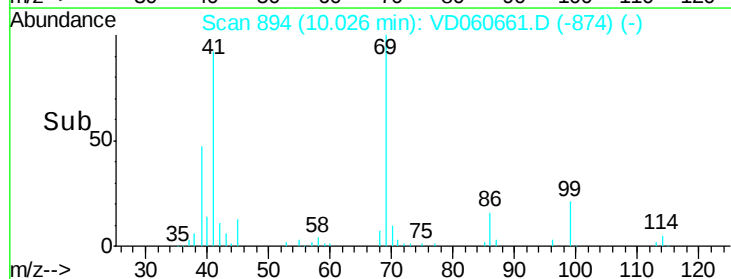
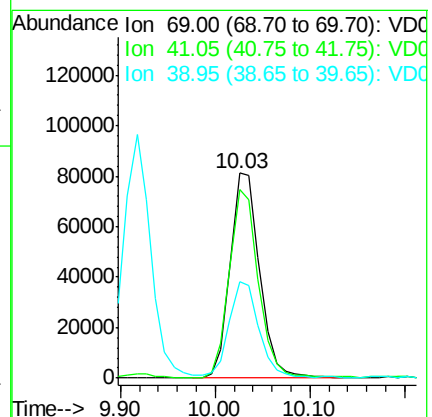
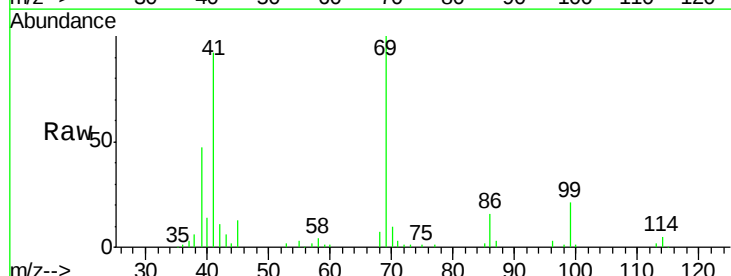
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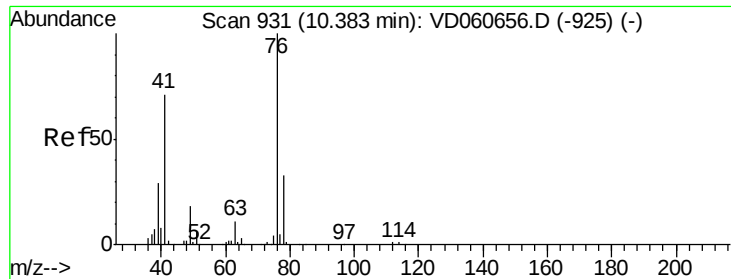
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#56
 Ethyl methacrylate
 Concen: 20.452 ug/l
 RT: 10.03 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	175701		
41	92.3	68.3	102.5	
39	46.8	37.2	55.8	





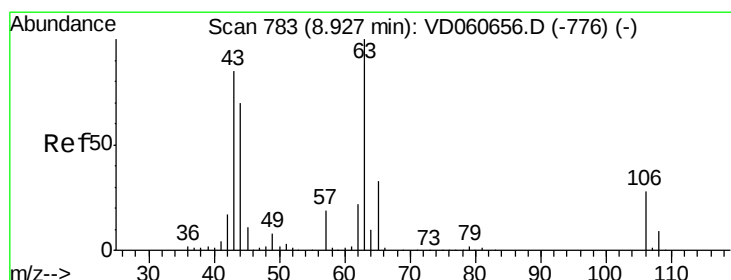
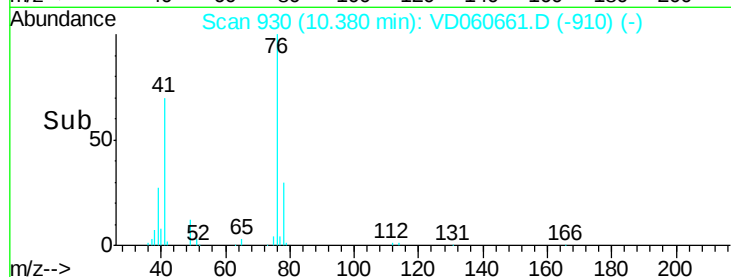
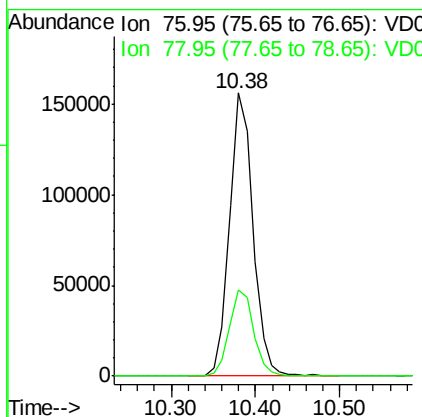
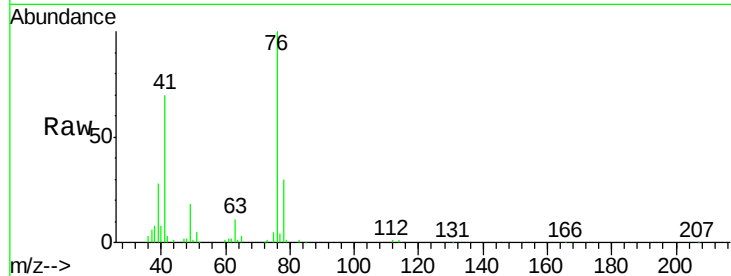
#57
 1,3-Dichloropropane
 Concen: 20.685 ug/l
 RT: 10.38 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tgt Ion: 76 Resp: 303251
 Ion Ratio Lower Upper
 76 100
 78 30.5 26.1 39.1

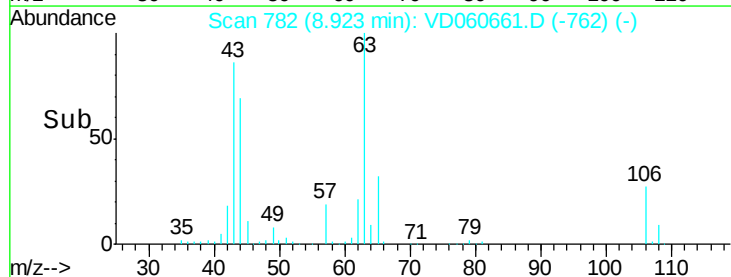
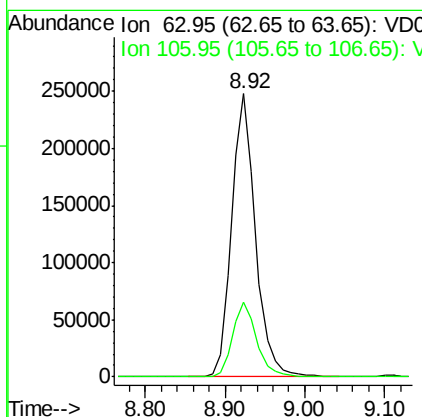
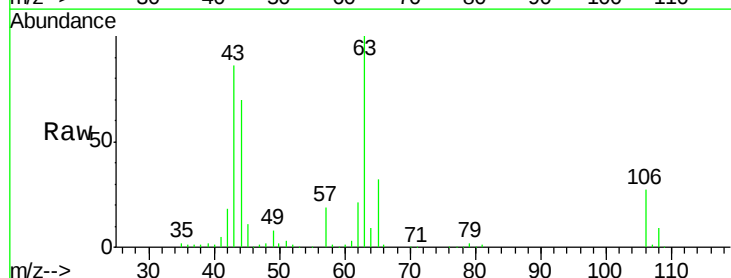
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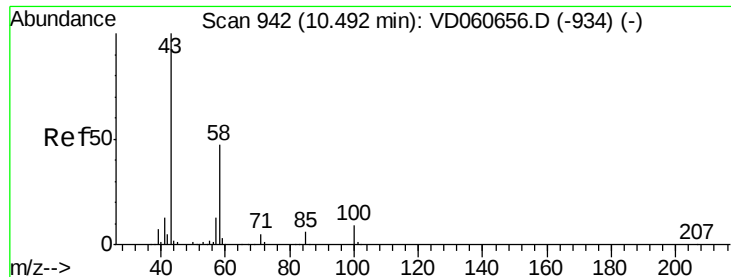
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.267 ug/l
 RT: 8.92 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion: 63 Resp: 517676
 Ion Ratio Lower Upper
 63 100
 106 26.6 22.4 33.6





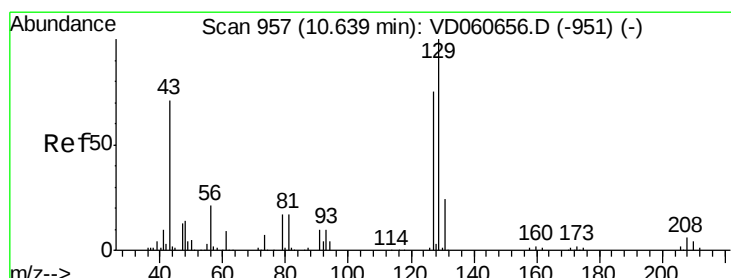
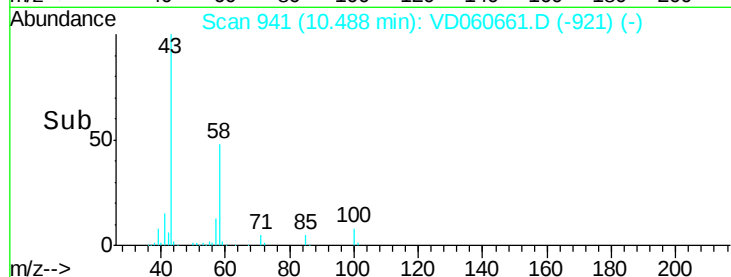
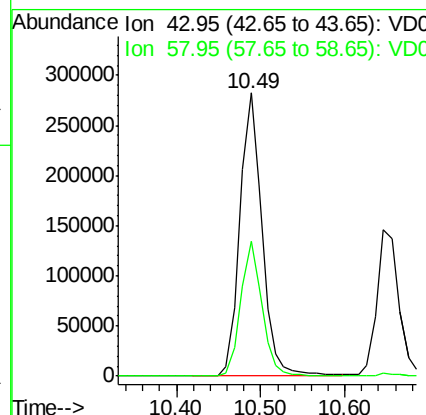
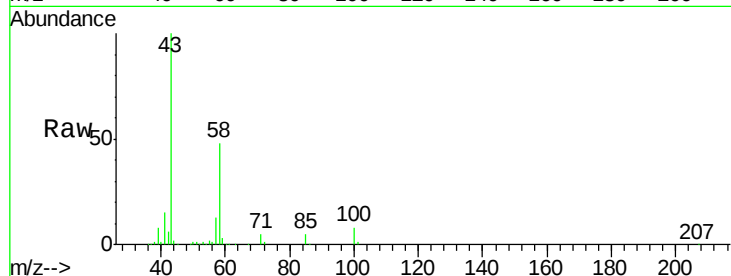
#59
2-Hexanone
Concen: 106.083 ug/l
RT: 10.49 min Scan# 941
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion: 43 Resp: 518338
Ion Ratio Lower Upper
43 100
58 47.8 23.5 70.5

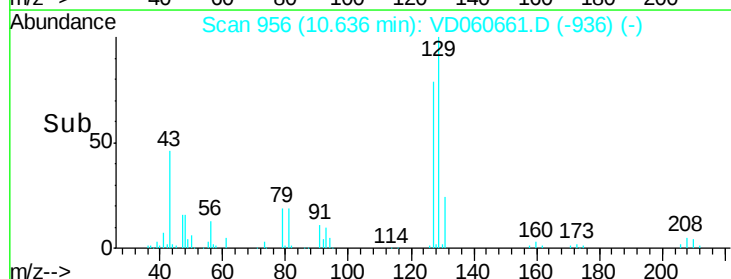
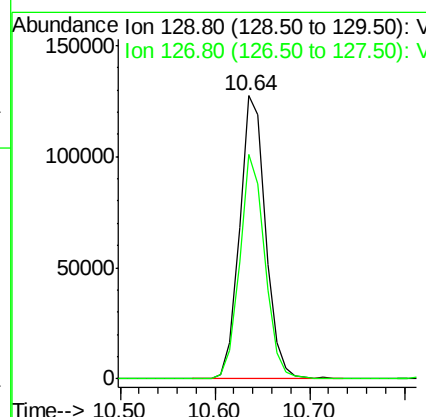
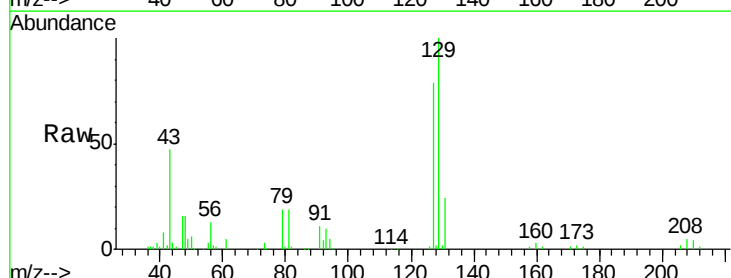
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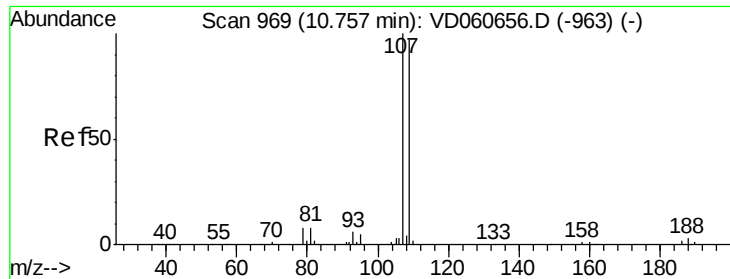
apatel
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#60
Dibromochloromethane
Concen: 20.542 ug/l
RT: 10.64 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 129 Resp: 242017
Ion Ratio Lower Upper
129 100
127 79.2 37.6 112.9





#61

1,2-Dibromoethane

Concen: 21.048 ug/l

RT: 10.75 min Scan# 968

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion: 107 Resp: 201925

Ion Ratio Lower Upper

107 100

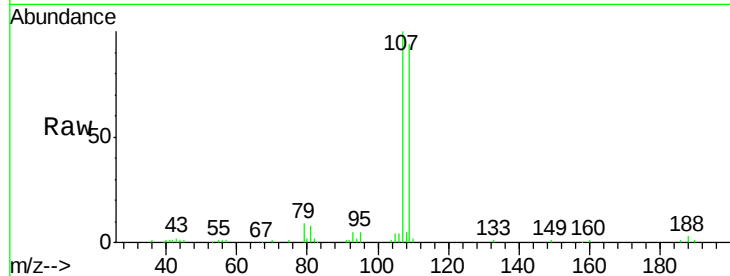
109 94.1 78.0 117.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

120000

100000

80000

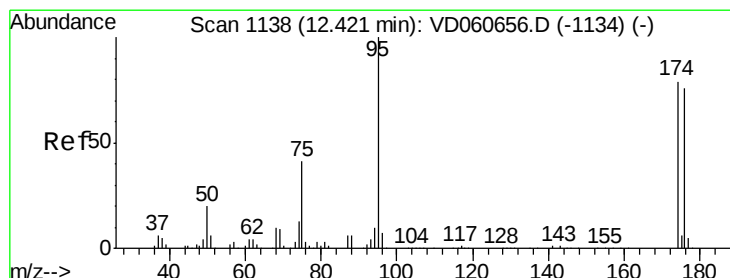
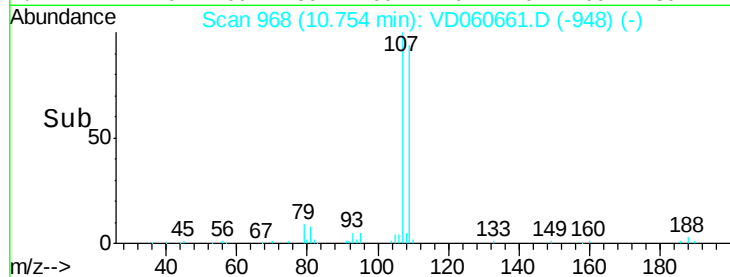
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.048 ug/l

RT: 12.43 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

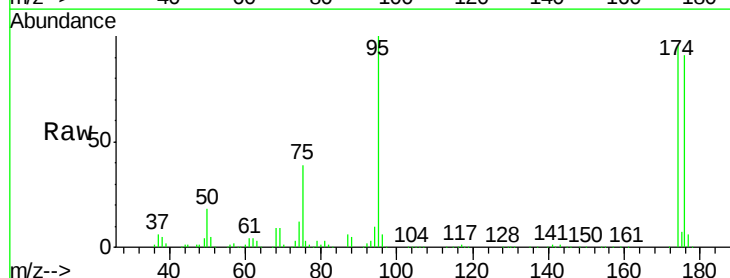
Tgt Ion: 95 Resp: 842490

Ion Ratio Lower Upper

95 100

174 96.0 0.0 158.2

176 91.0 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.43

800000

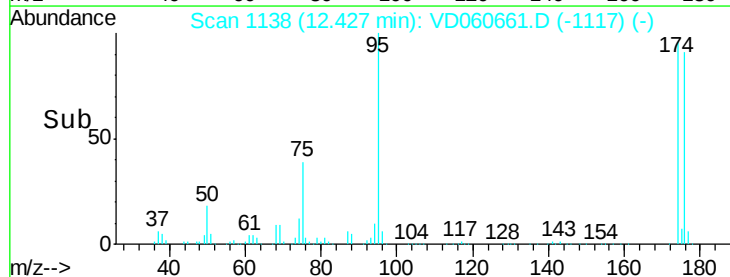
600000

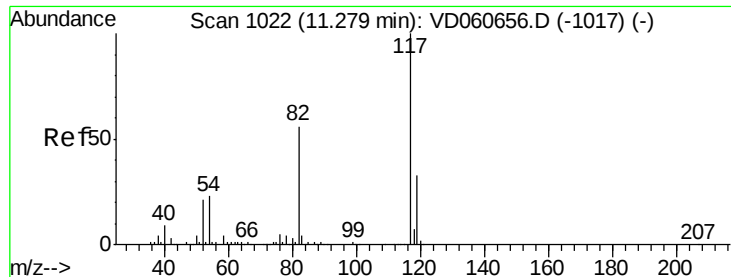
400000

200000

0

Time-->





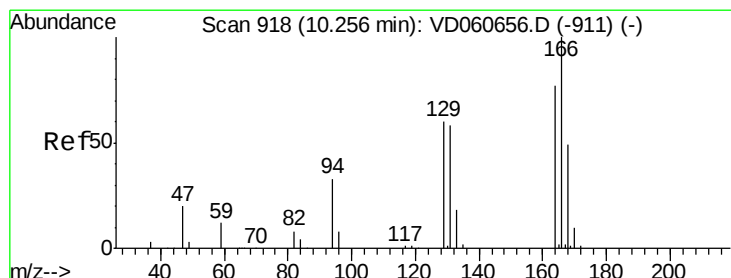
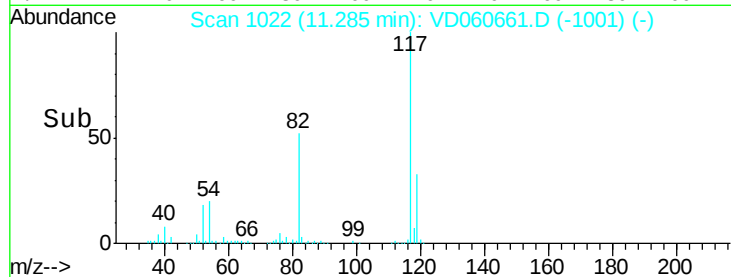
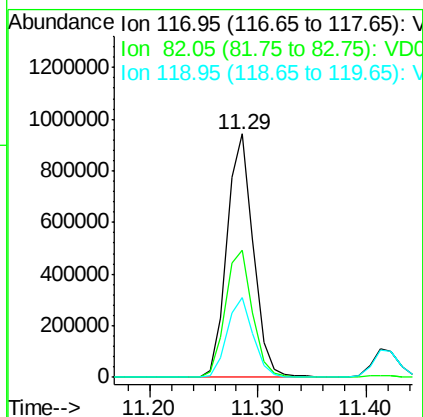
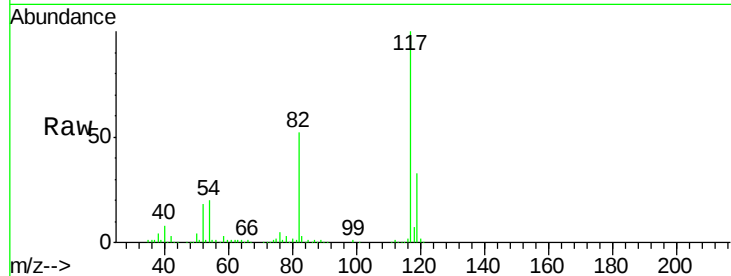
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion:117 Resp: 1595933
Ion Ratio Lower Upper
117 100
82 52.1 44.5 66.7
119 32.9 26.3 39.5

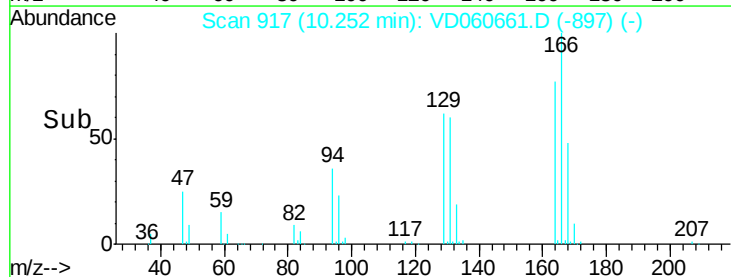
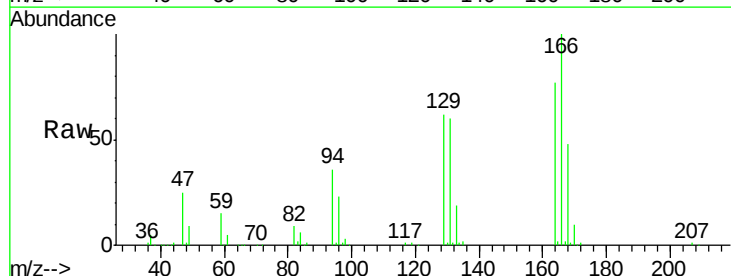
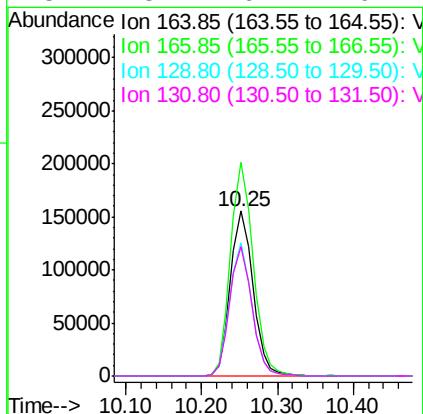
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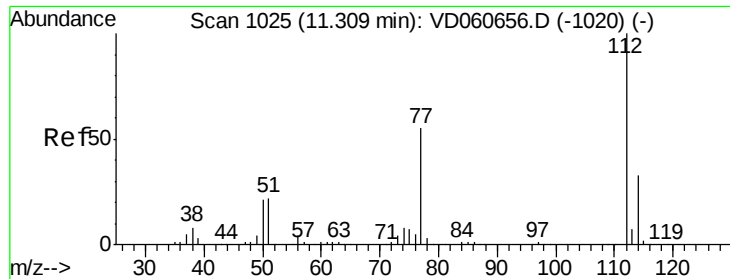
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#64
Tetrachloroethene
Concen: 22.271 ug/l
RT: 10.25 min Scan# 917
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion:164 Resp: 322152
Ion Ratio Lower Upper
164 100
166 129.7 104.4 156.6
129 80.6 62.7 94.1
131 78.2 61.1 91.7





#65

Chlorobenzene

Concen: 22.129 ug/l

RT: 11.31 min Scan# 1025

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion:112 Resp: 780277

Ion Ratio Lower Upper

112 100

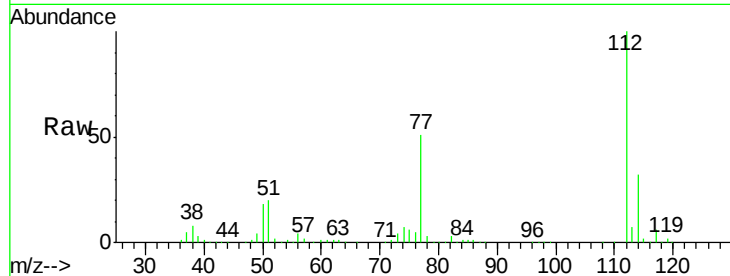
114 32.2 26.1 39.1

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

11.31

500000

400000

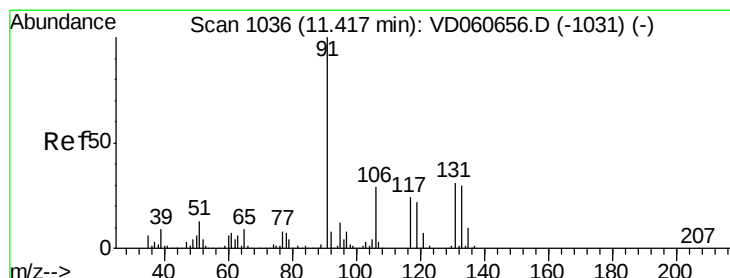
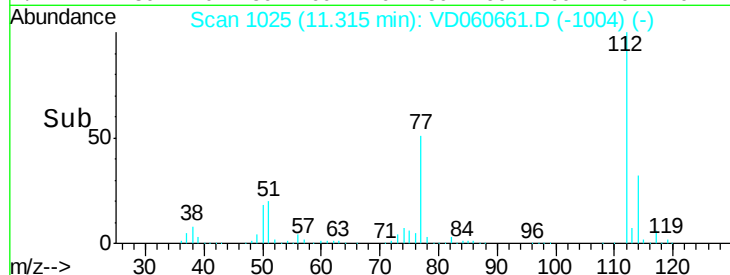
300000

200000

100000

0

Time--> 11.20 11.30 11.40



#66

1,1,1,2-Tetrachloroethane

Concen: 22.448 ug/l

RT: 11.41 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

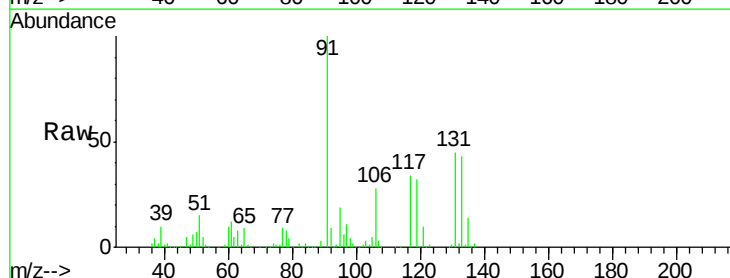
Tgt Ion:131 Resp: 254496

Ion Ratio Lower Upper

131 100

133 96.8 49.1 147.3

119 71.5 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

11.41

400000

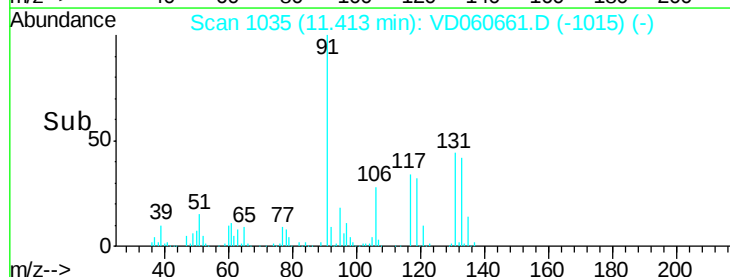
300000

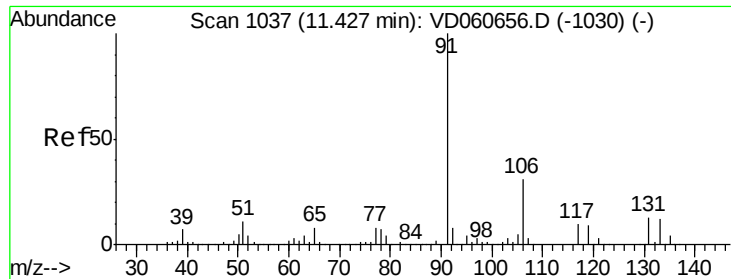
200000

100000

0

Time--> 11.30 11.40 11.50





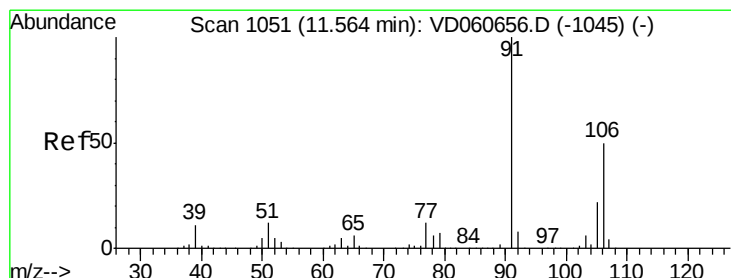
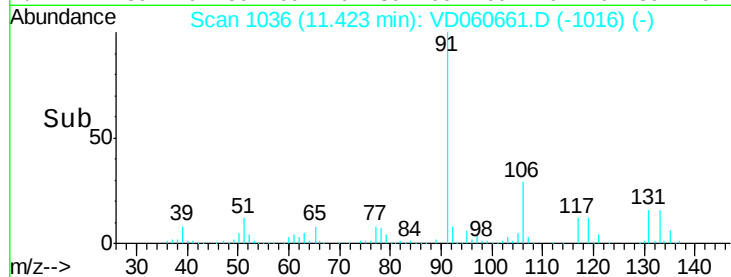
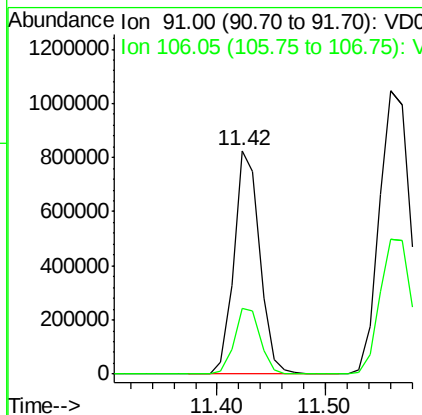
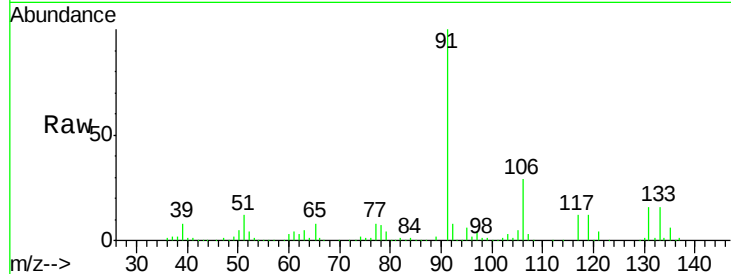
#67
Ethyl Benzene
Concen: 22.559 ug/l
RT: 11.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion: 91 Resp: 1362270
Ion Ratio Lower Upper
91 100
106 29.3 24.6 36.8

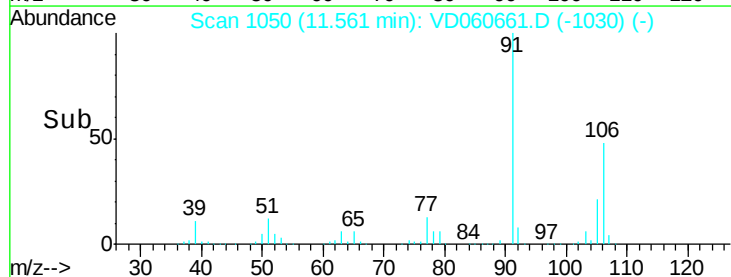
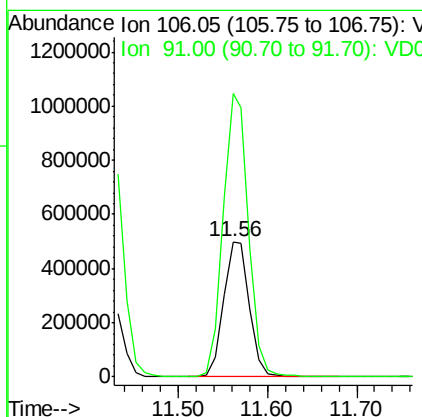
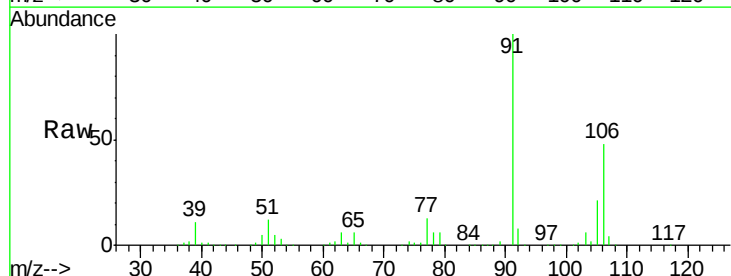
Manual Integrations
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#68
m/p-Xylenes
Concen: 45.738 ug/l
RT: 11.56 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 106 Resp: 1009362
Ion Ratio Lower Upper
106 100
91 209.0 158.9 238.3





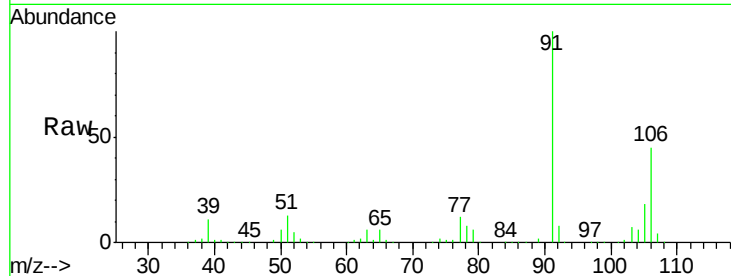
#69
o-Xylene
Concen: 21.950 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

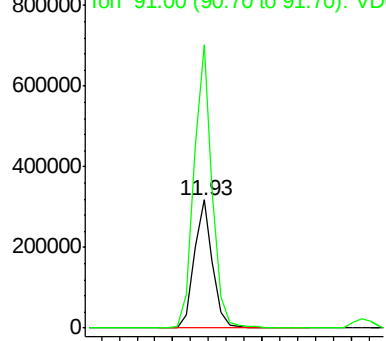
Tgt Ion:106 Resp: 459575
Ion Ratio Lower Upper
106 100
91 220.4 101.5 304.5

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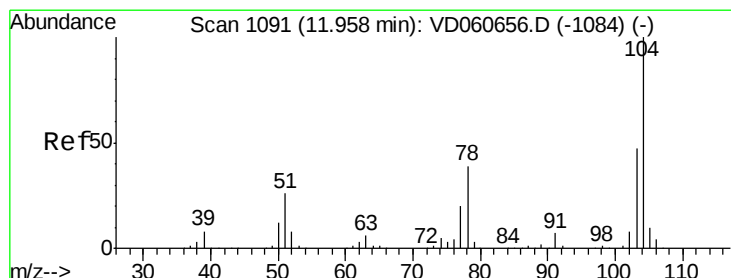
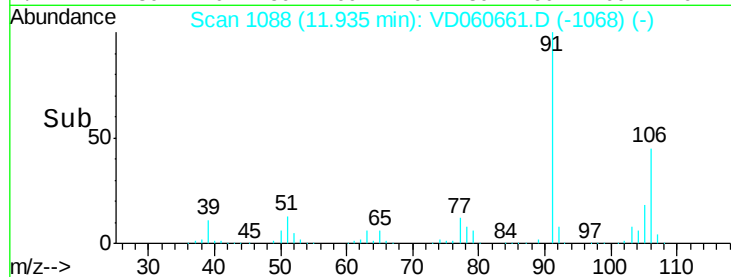
apatel
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

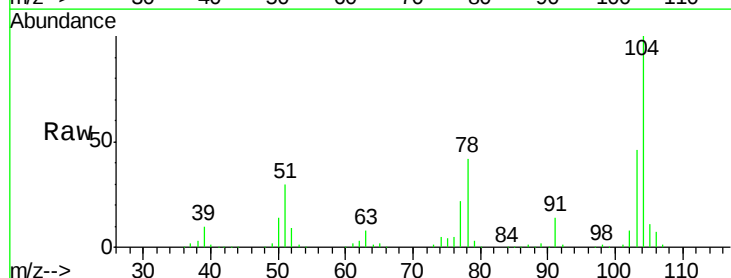


Time-->

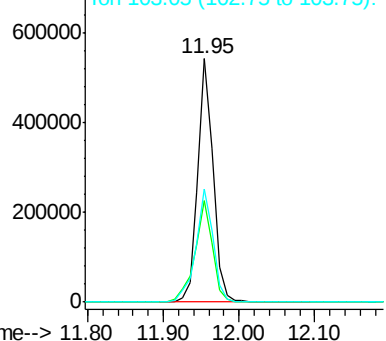


#70
Styrene
Concen: 22.631 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

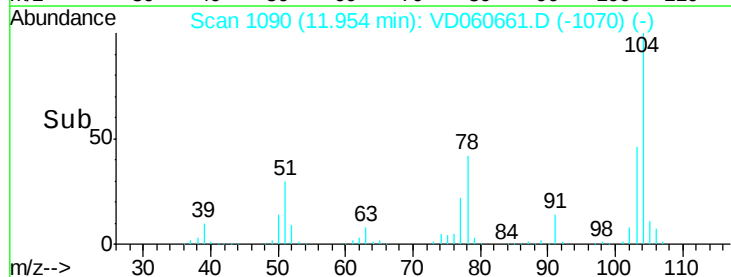
Tgt Ion:104 Resp: 763114
Ion Ratio Lower Upper
104 100
78 41.8 31.4 47.2
103 46.4 37.5 56.3

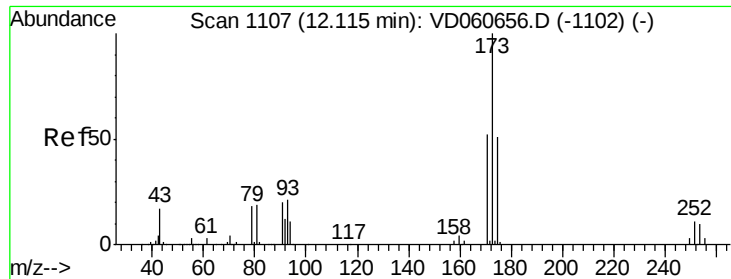


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 20.996 ug/l

RT: 12.11 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

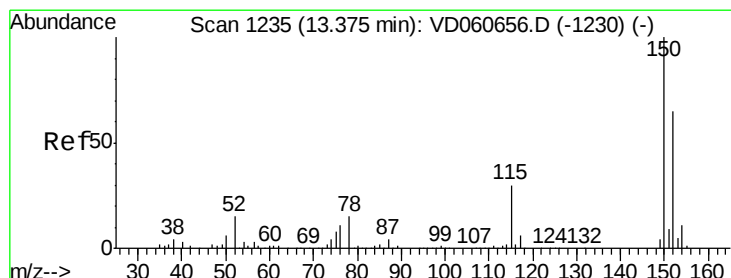
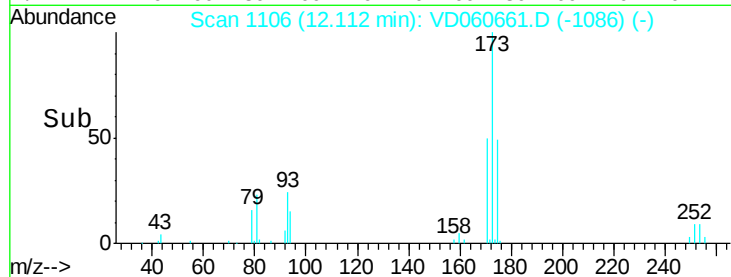
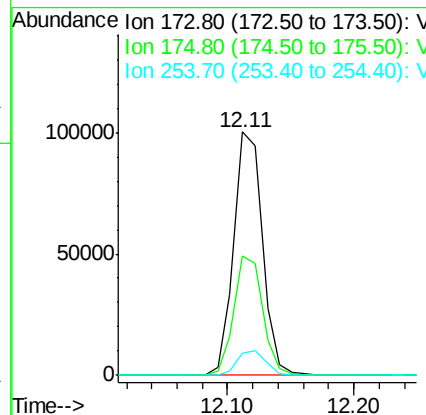
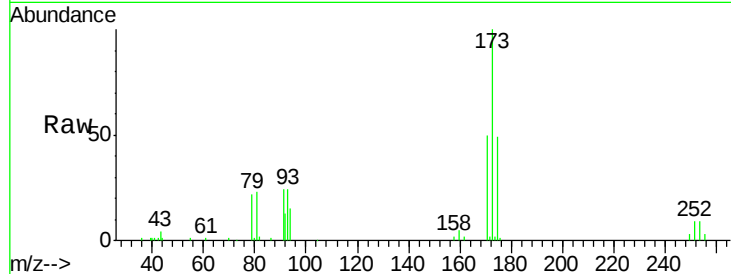
ClientSampleId :

VD1220SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	157123		
175	49.3	25.5	76.5	
254	9.2	7.9	11.9	

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

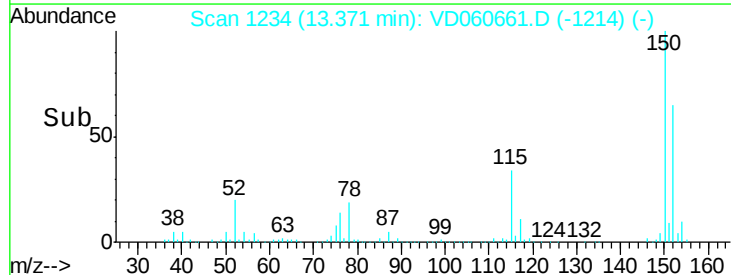
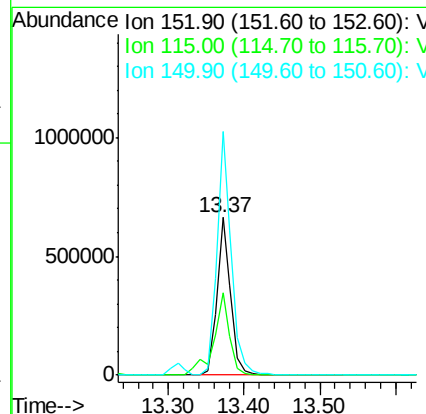
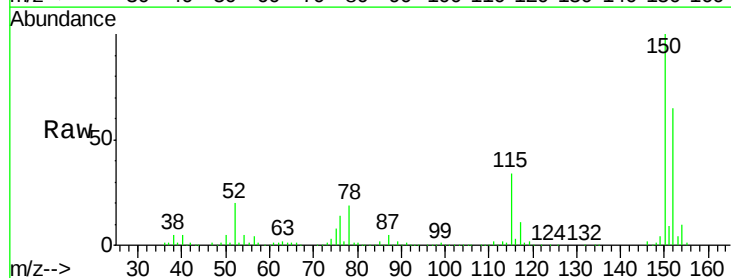
RT: 13.37 min Scan# 1234

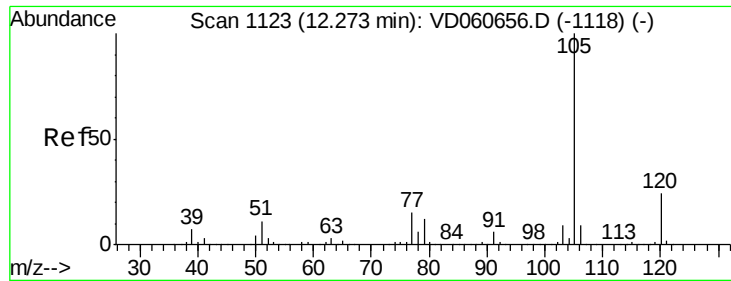
Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	841053		
115	52.0	24.1	72.3	
150	154.3	0.0	315.0	





#73

Isopropylbenzene

Concen: 21.729 ug/l

RT: 12.28 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion:105 Resp: 1301167

Ion Ratio Lower Upper

105 100

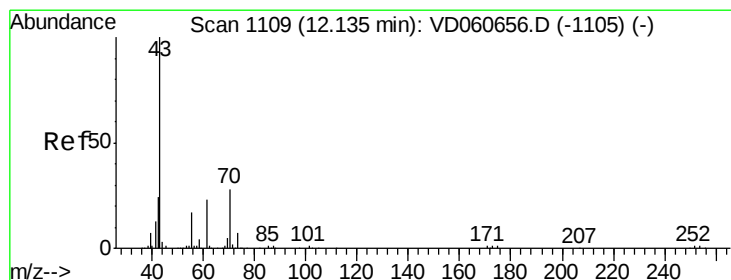
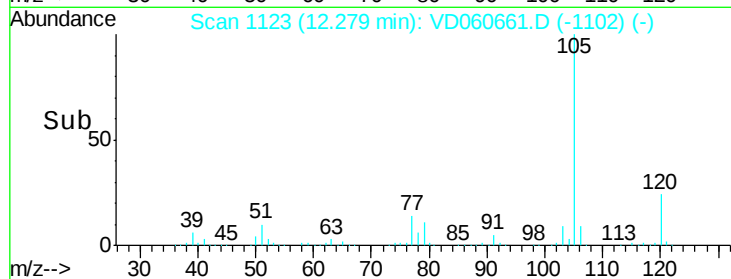
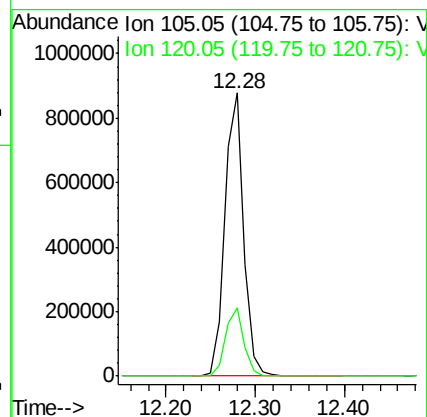
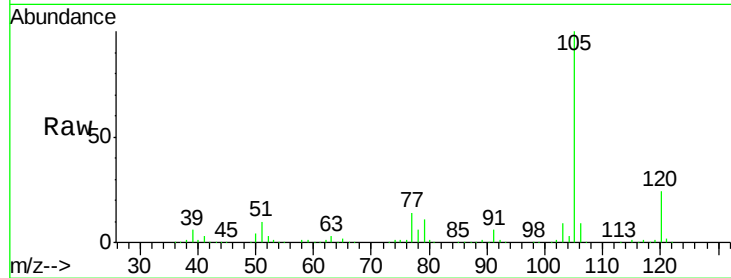
120 24.2 12.2 36.4

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#74

N-ethyl acetate

Concen: 20.908 ug/l

RT: 12.13 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion: 43 Resp: 295486

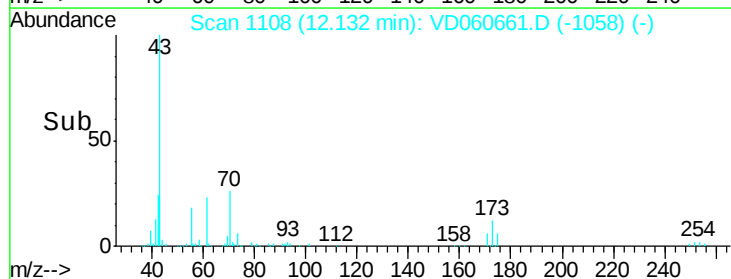
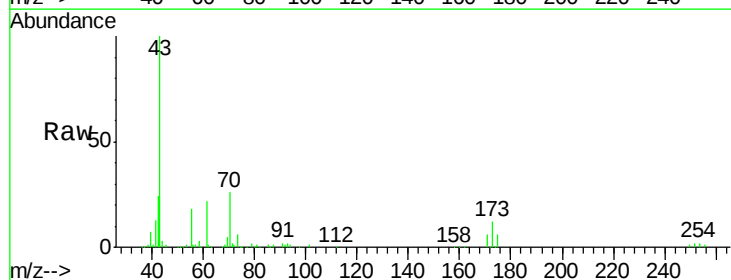
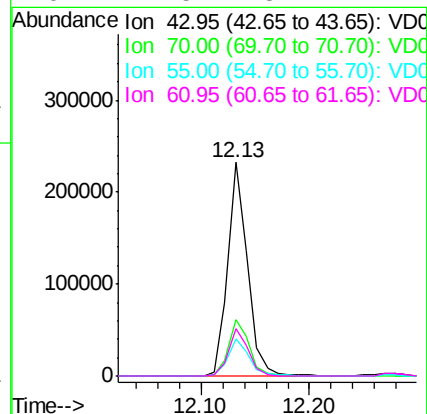
Ion Ratio Lower Upper

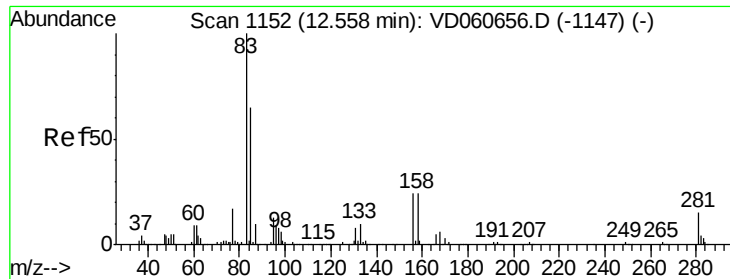
43 100

70 26.1 22.2 33.2

55 17.5 13.8 20.8

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.027 ug/l

RT: 12.56 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion: 83 Resp: 204092

Ion Ratio Lower Upper

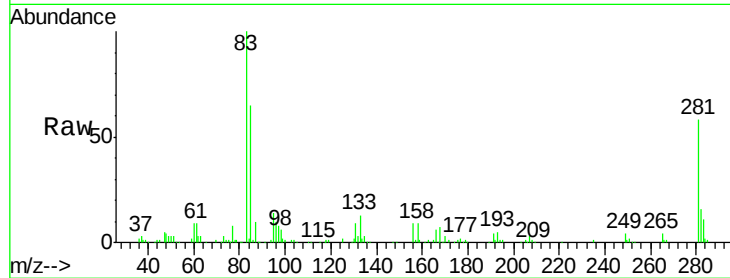
83 100

131 9.4 4.2 12.4

85 65.0 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

200000

150000

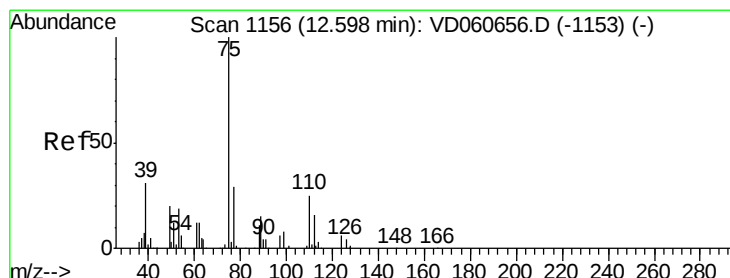
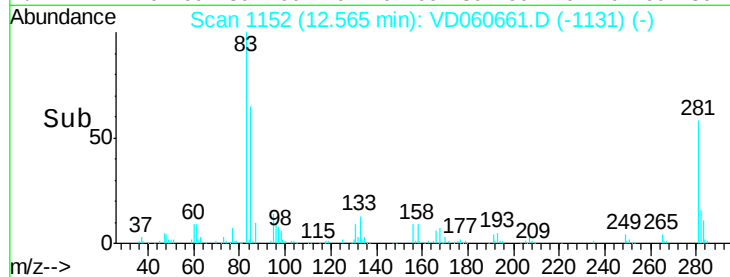
100000

50000

0

12.56

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.627 ug/l

RT: 12.59 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VD060661.D

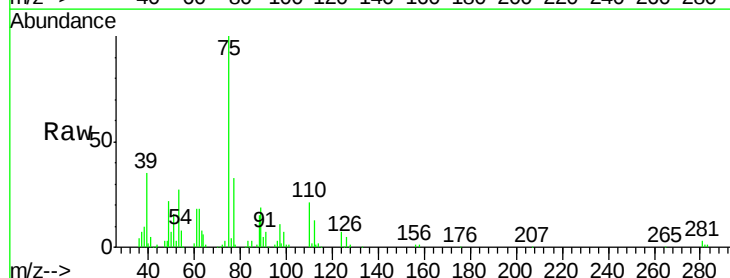
Acq: 20 Dec 2018 16:33

Tgt Ion: 75 Resp: 207082

Ion Ratio Lower Upper

75 100

77 33.3 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

300000

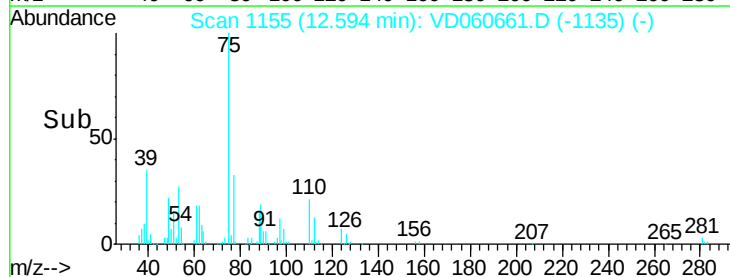
200000

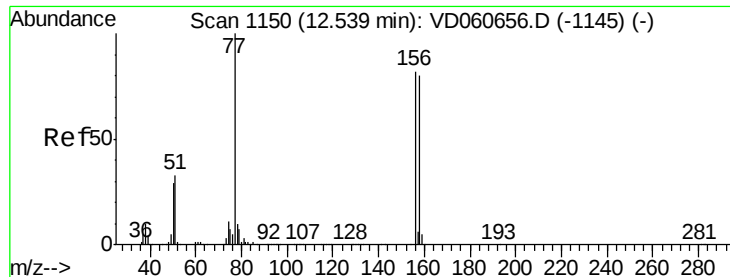
100000

0

12.59

Time-->





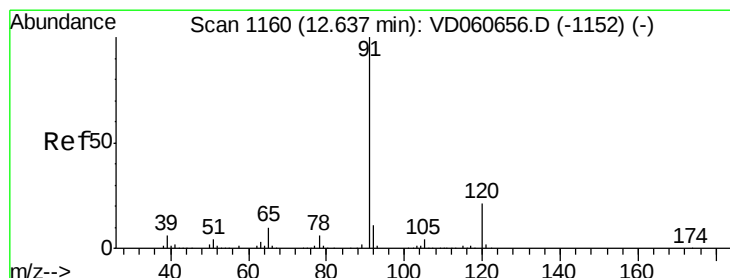
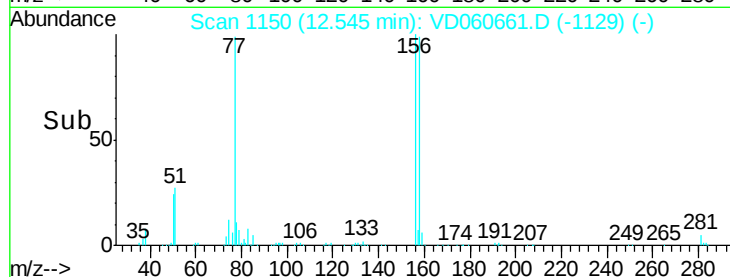
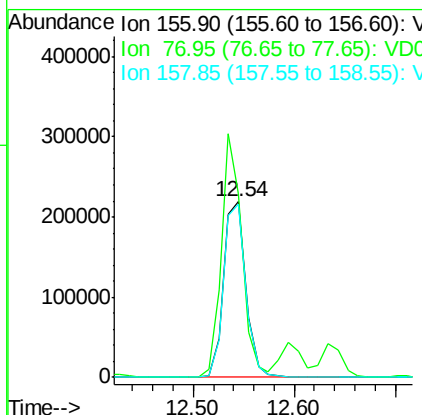
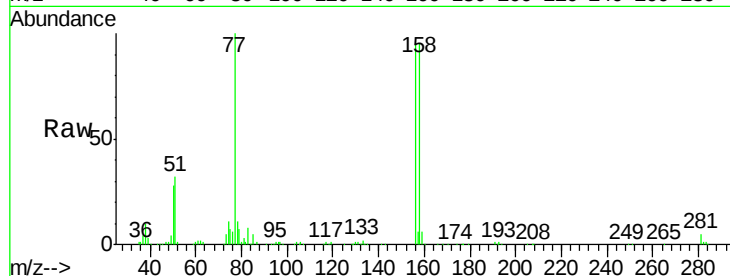
#77
Bromobenzene
Concen: 21.258 ug/l
RT: 12.54 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	104.8	61.3	183.9
158	99.2	48.9	146.6

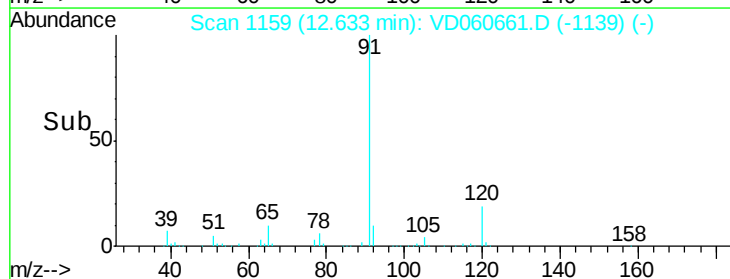
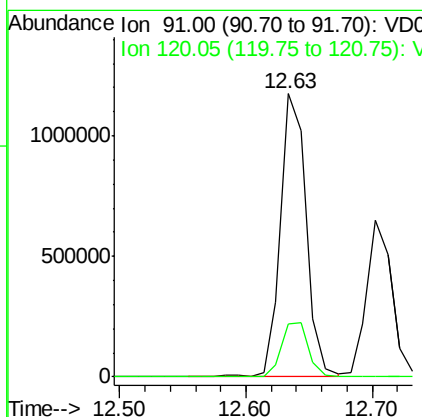
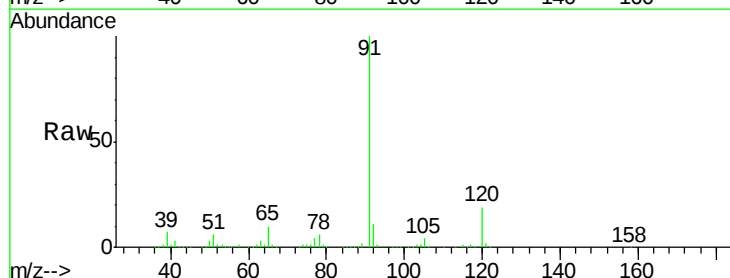
Manual Integrations
APPROVED

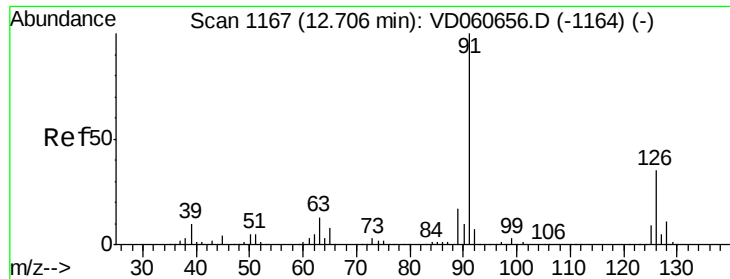
apatel
12/21/2018 11:51:53 AM



#78
n-propylbenzene
Concen: 21.825 ug/l
RT: 12.63 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.9	10.4	31.2





#79

2-Chlorotoluene

Concen: 22.140 ug/l

RT: 12.70 min Scan# 1166

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion: 91 Resp: 907813

Ion Ratio Lower Upper

91 100

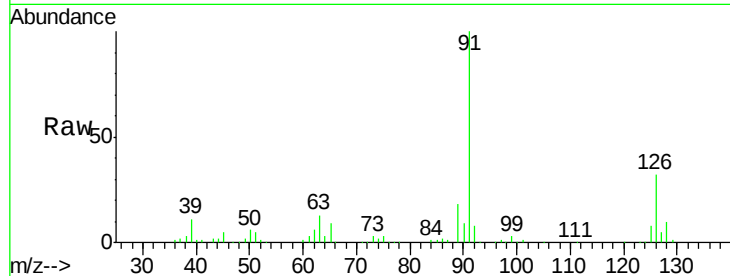
126 31.9 17.2 51.5

Manual Integrations

APPROVED

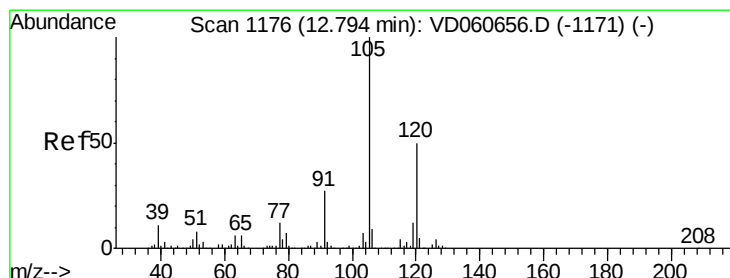
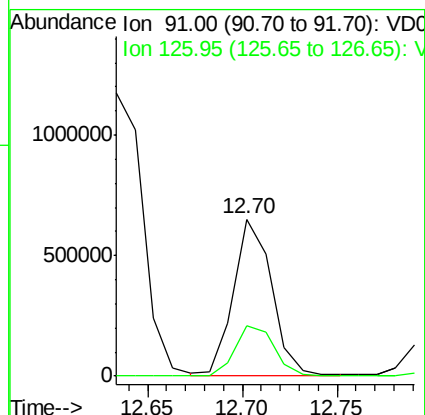
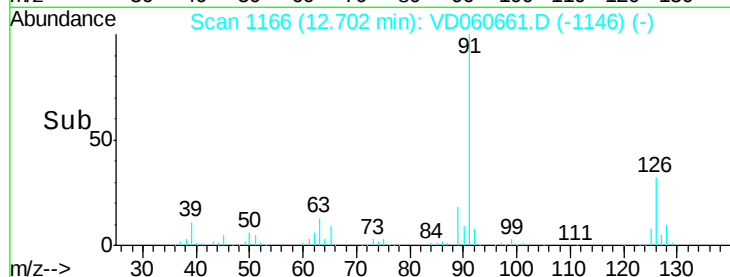
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VD060661.D (-1166) (-)

Ion 125.95 (125.65 to 126.65): VD060661.D (-1166) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.770 ug/l

RT: 12.79 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060661.D

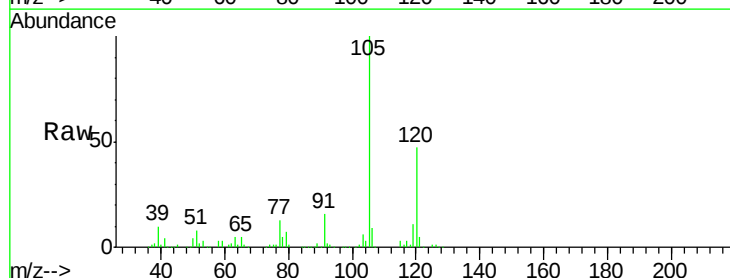
Acq: 20 Dec 2018 16:33

Tgt Ion: 105 Resp: 1052883

Ion Ratio Lower Upper

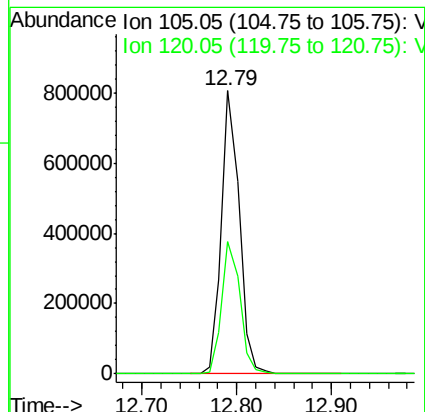
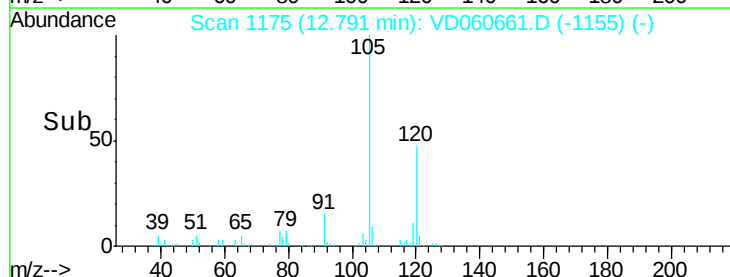
105 100

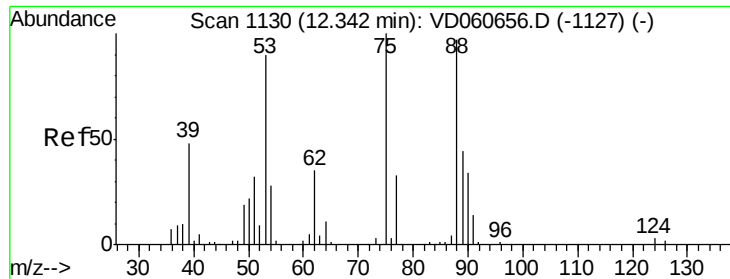
120 46.8 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060661.D (-1155) (-)

Ion 120.05 (119.75 to 120.75): VD060661.D (-1155) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.434 ug/l

RT: 12.34 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

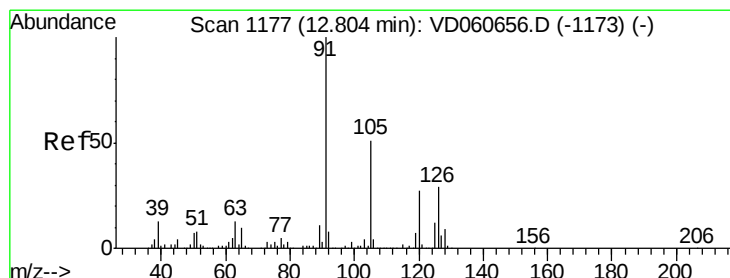
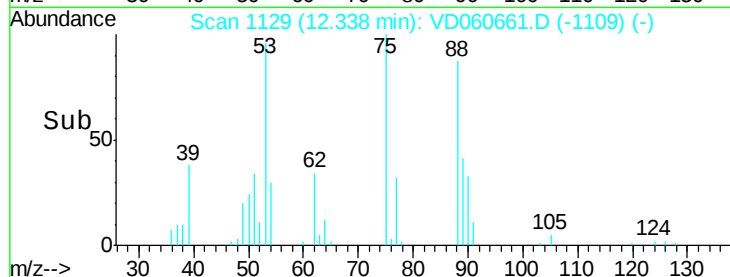
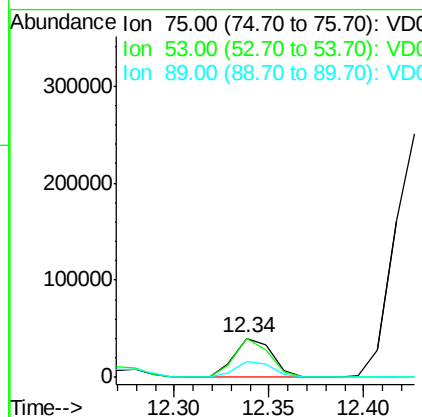
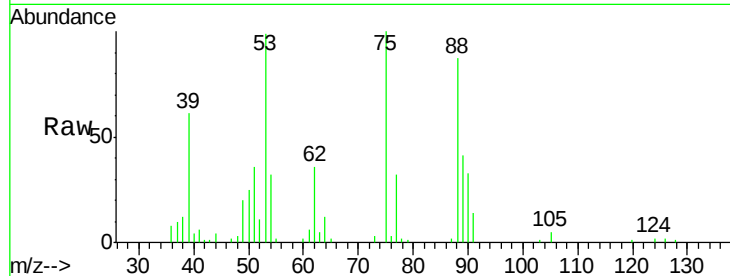
ClientSampleId :

VD1220SBS01

Tgt Ion:	75	Resp:	56711
Ion Ratio	Lower	Upper	
75	100		
53	99.0	72.1	108.1
89	40.6	35.1	52.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.292 ug/l

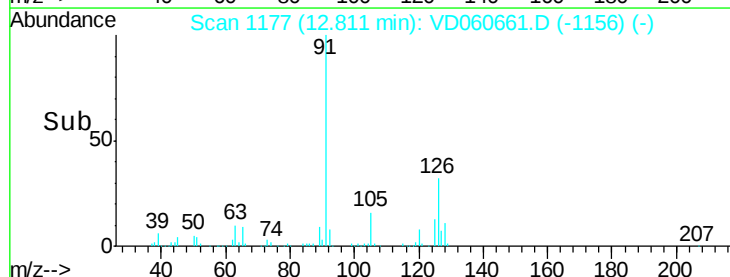
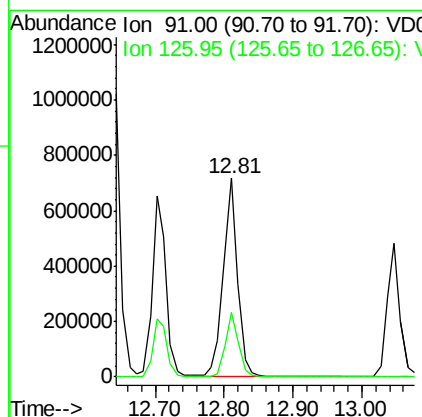
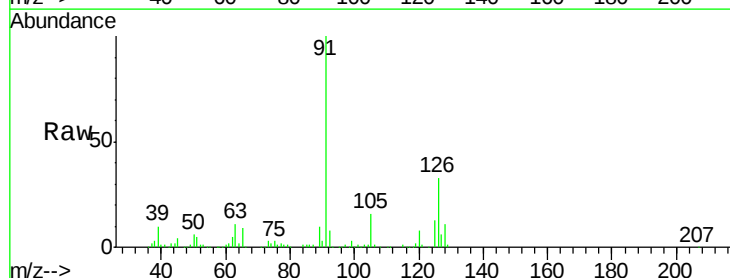
RT: 12.81 min Scan# 1177

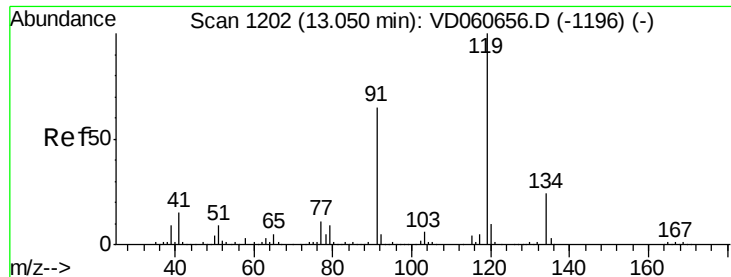
Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion:	91	Resp:	1036032
Ion Ratio	Lower	Upper	
91	100		
126	32.5	14.6	43.8





#83

tert-Butylbenzene

Concen: 22.322 ug/l

RT: 13.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

Tgt Ion:119 Resp: 1174660

Ion Ratio Lower Upper

119 100

91 70.9 32.5 97.4

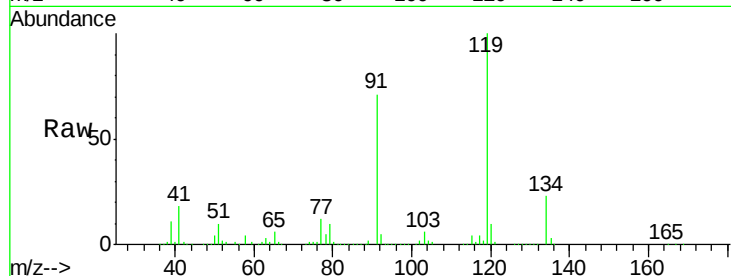
134 23.3 11.9 35.9

Manual Integrations

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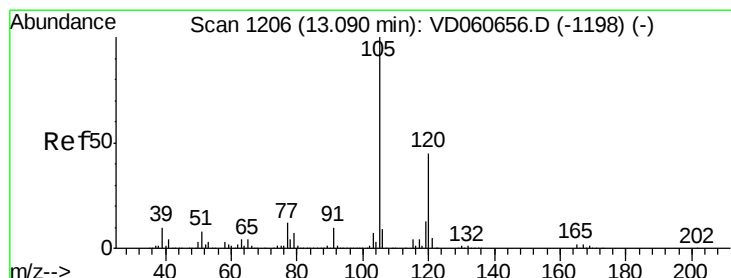
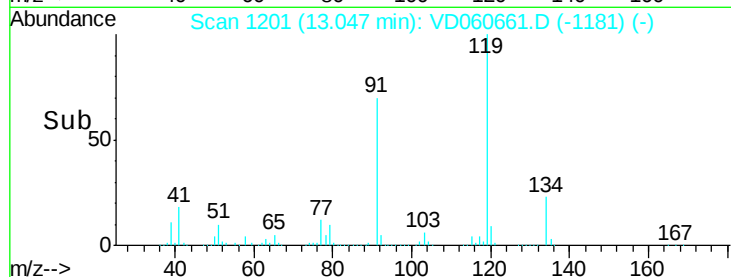
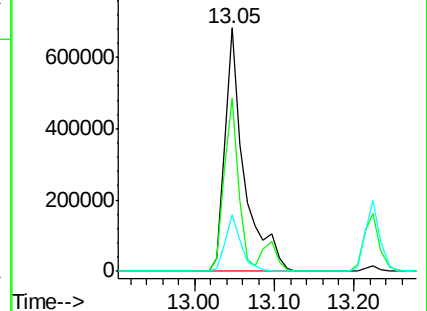
12/21/2018 11:51:53 AM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.500 ug/l

RT: 13.10 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VD060661.D

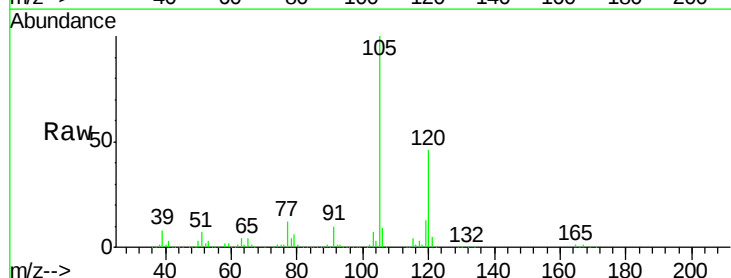
Acq: 20 Dec 2018 16:33

Tgt Ion:105 Resp: 1071532

Ion Ratio Lower Upper

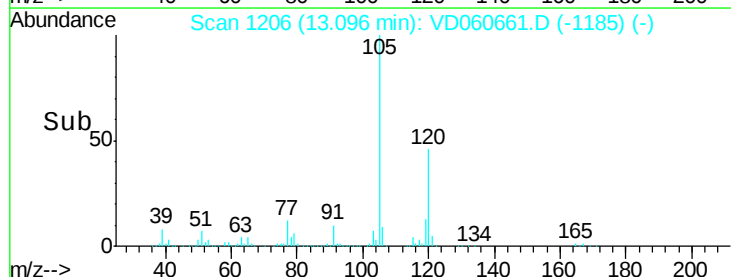
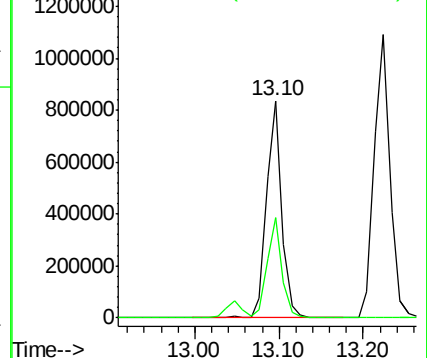
105 100

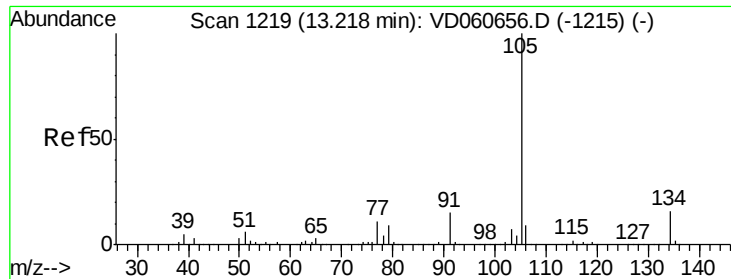
120 46.2 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





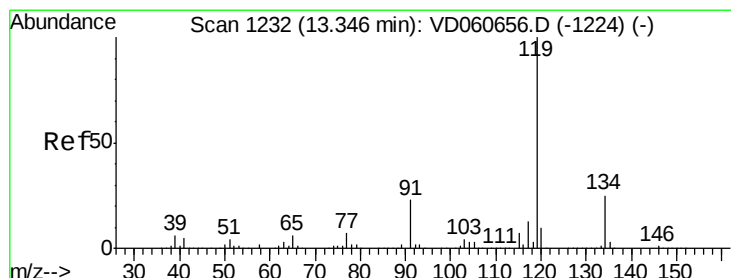
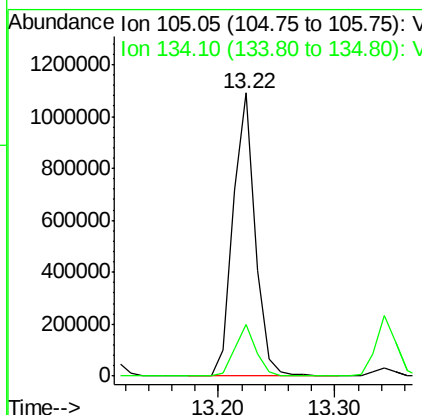
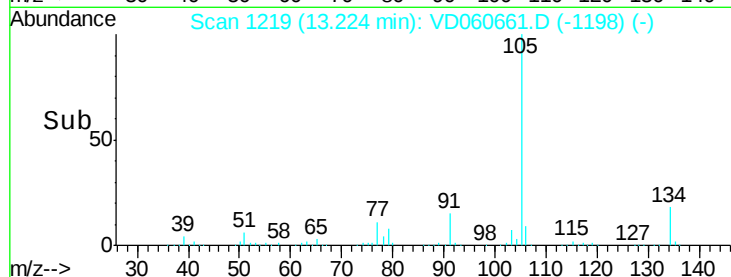
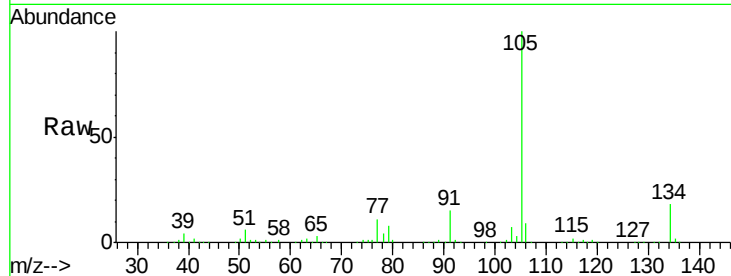
#85
 sec-Butylbenzene
 Concen: 22.143 ug/l
 RT: 13.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tgt Ion:105 Resp: 1421096
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.2 24.4

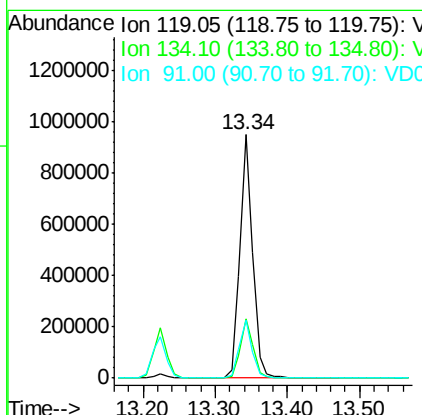
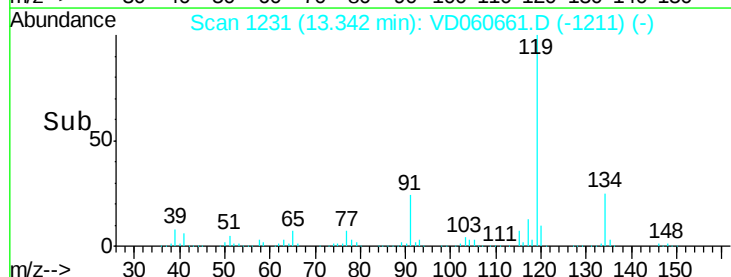
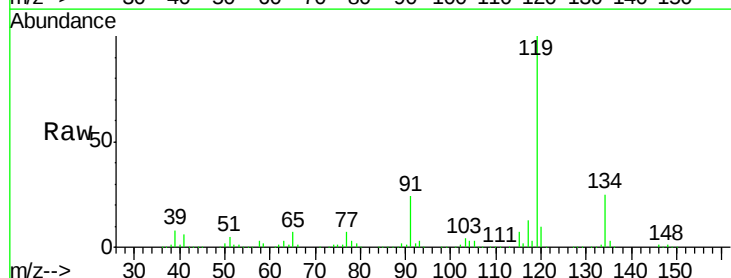
Manual Integrations
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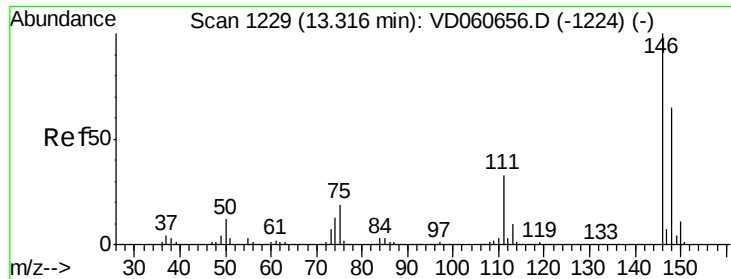
apatel
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#86
 p-Isopropyltoluene
 Concen: 22.642 ug/l
 RT: 13.34 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion:119 Resp: 1172947
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.5 37.5
 91 24.1 11.4 34.2





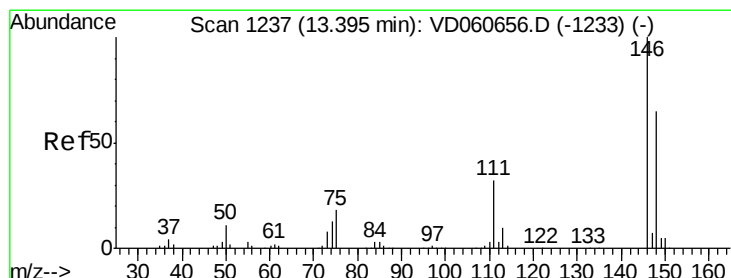
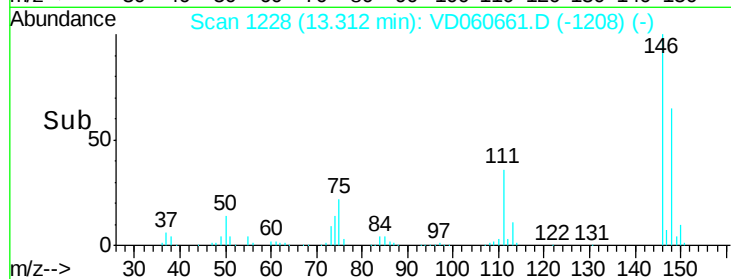
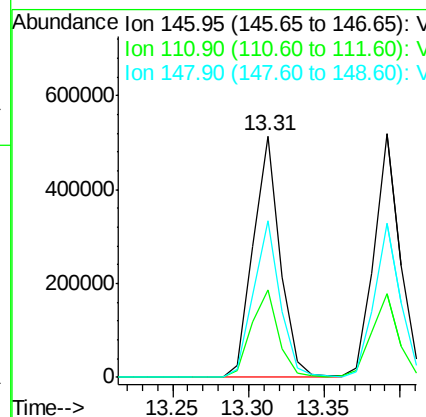
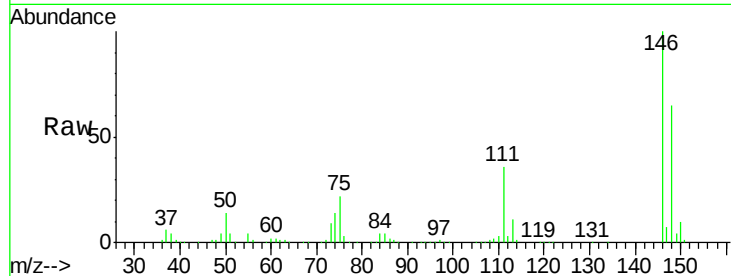
#87
 1,3-Dichlorobenzene
 Concen: 22.027 ug/l
 RT: 13.31 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	16.6	49.8
148	64.8	32.6	97.8

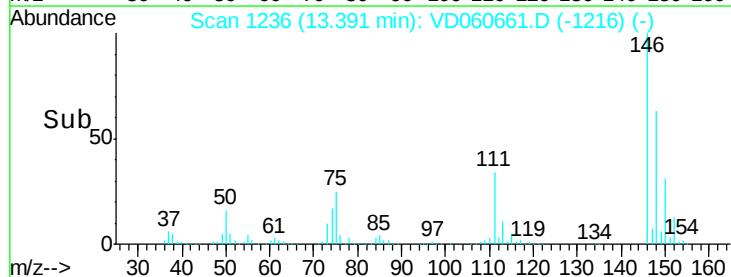
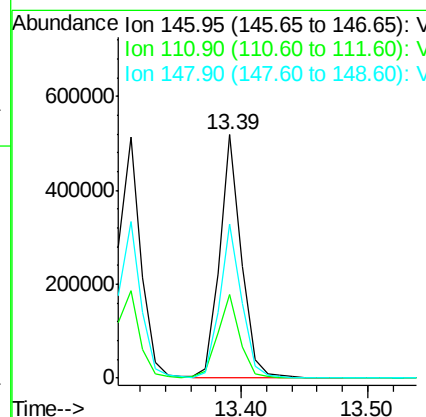
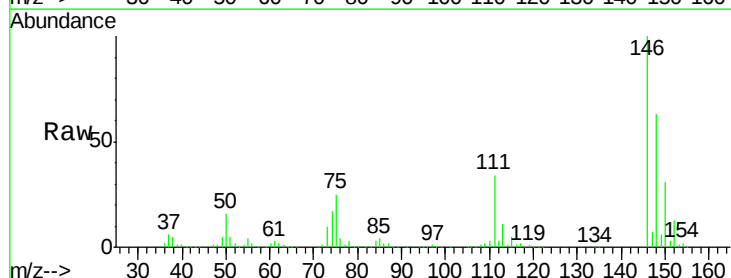
Manual Integrations
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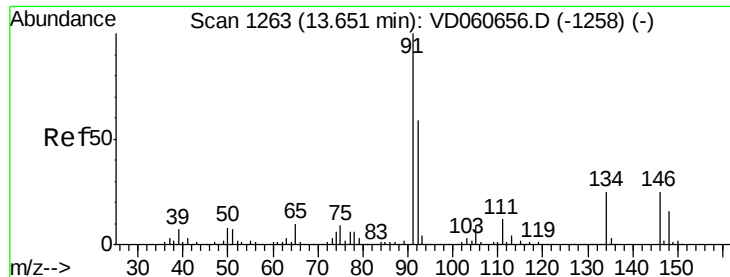
apatel
 12/21/2018 11:51:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.779 ug/l
 RT: 13.39 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.3	16.2	48.5
148	63.3	32.7	98.1





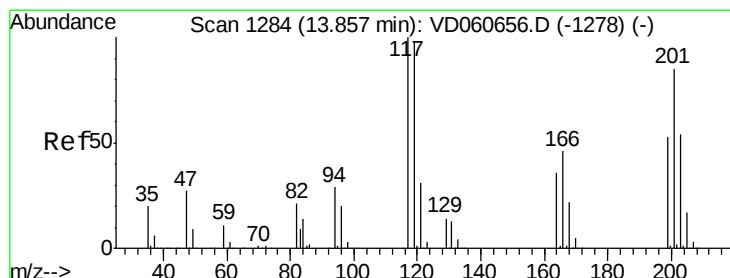
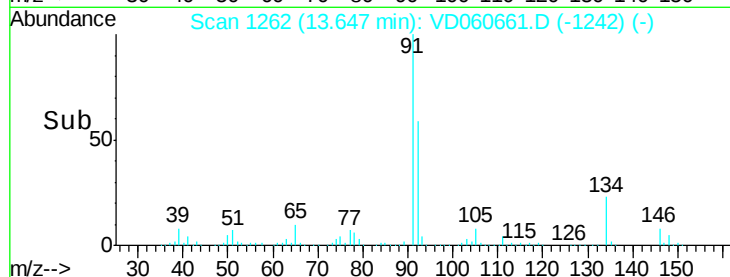
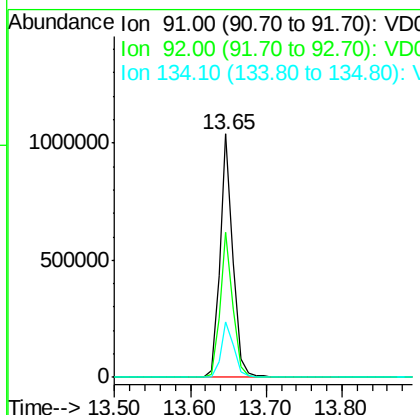
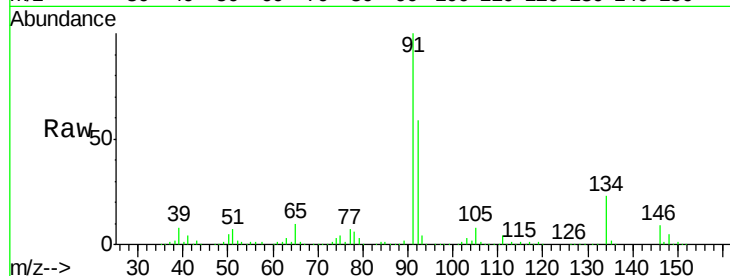
#89
n-Butylbenzene
Concen: 23.507 ug/l
RT: 13.65 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tgt Ion: 91 Resp: 1244443
Ion Ratio Lower Upper
91 100
92 59.4 29.7 89.1
134 23.0 12.7 38.1

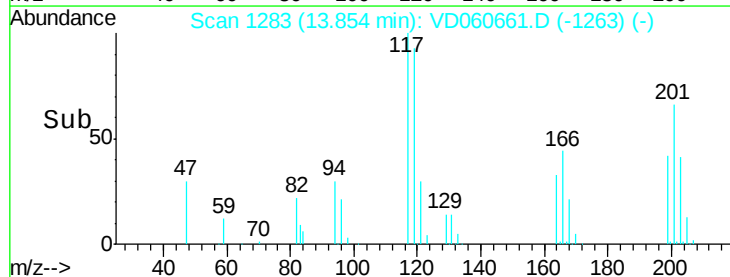
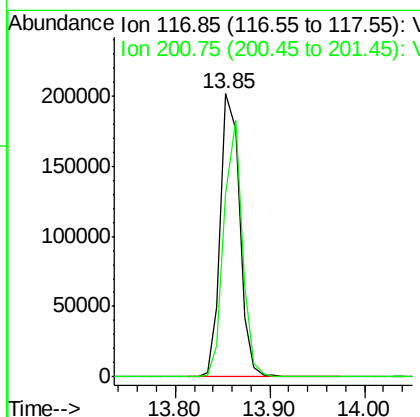
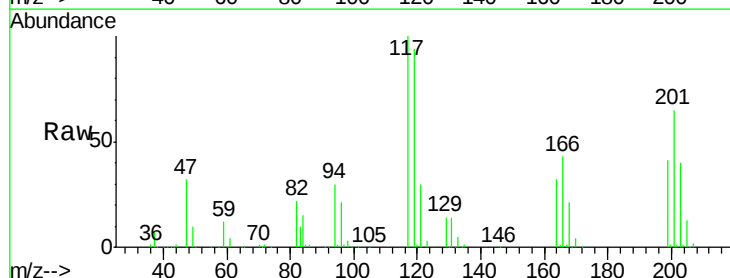
Manual Integrations
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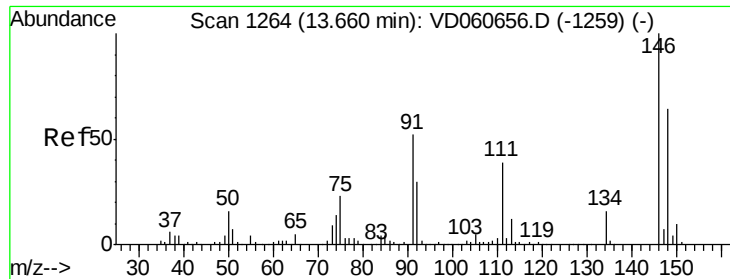
apatel
12/21/2018 11:51:53 AM



#90
Hexachloroethane
Concen: 22.440 ug/l
RT: 13.85 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 117 Resp: 285582
Ion Ratio Lower Upper
117 100
201 64.8 42.6 127.8





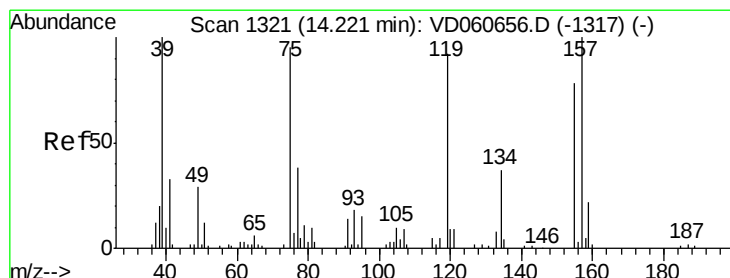
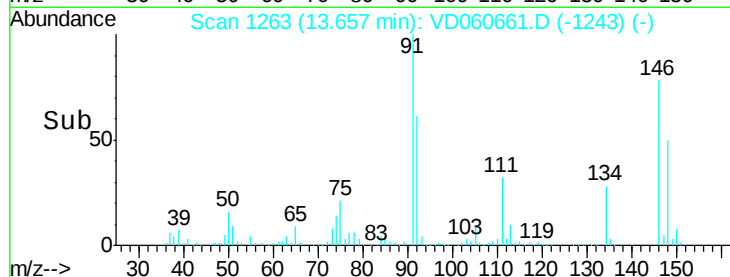
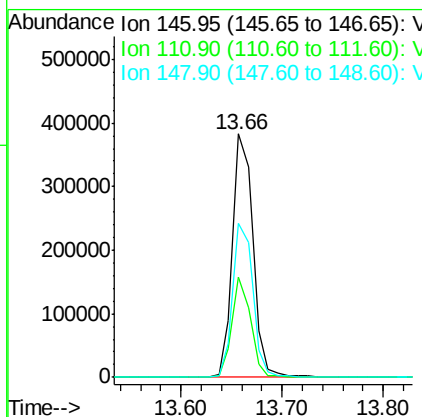
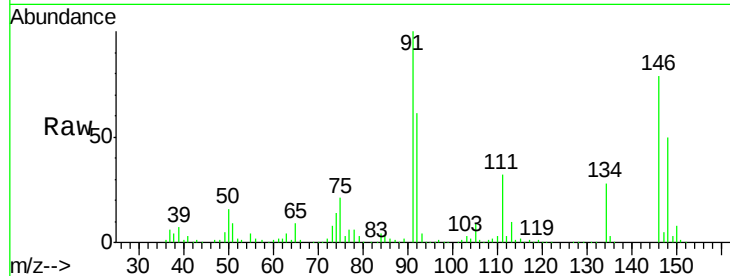
#91
 1,2-Dichlorobenzene
 Concen: 22.942 ug/l
 RT: 13.66 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.3	57.9
148	63.1	31.9	95.9

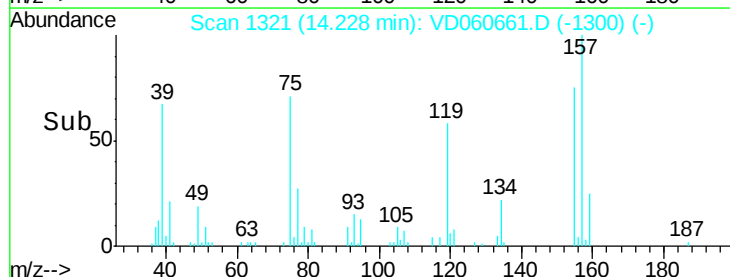
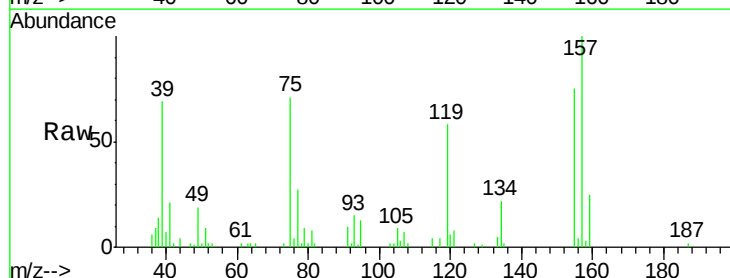
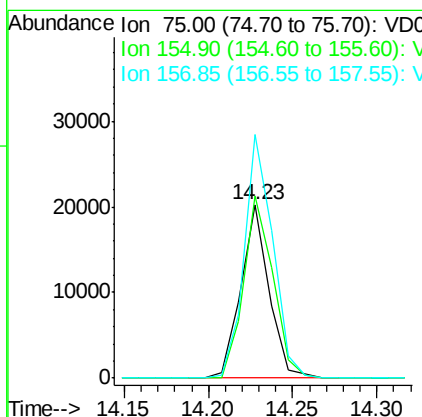
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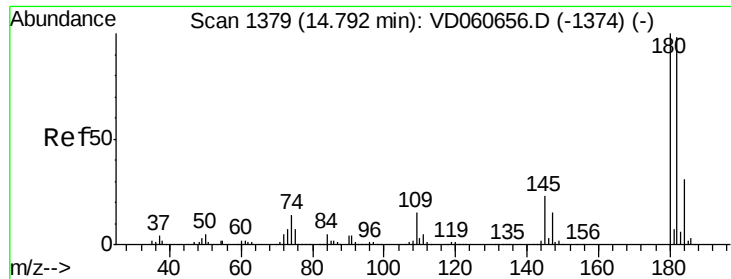
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.518 ug/l
 RT: 14.23 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.2	41.1	123.4
157	140.5	52.5	157.6





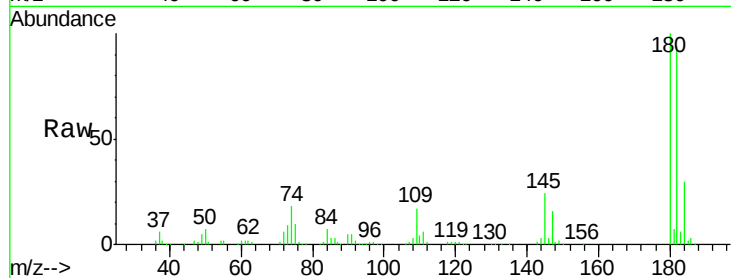
#93
 1,2,4-Trichlorobenzene
 Concen: 22.261 ug/l
 RT: 14.79 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

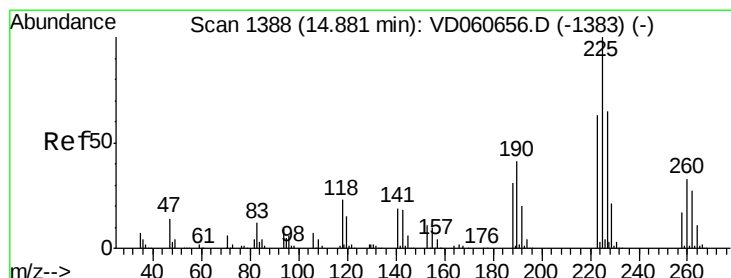
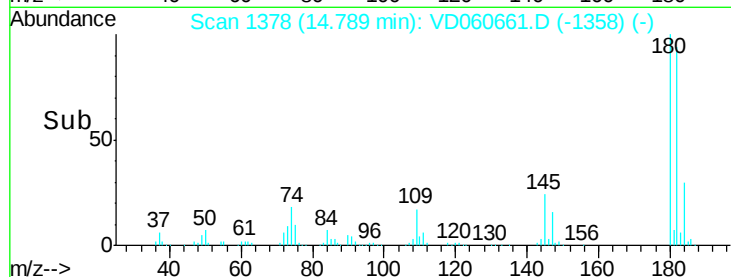
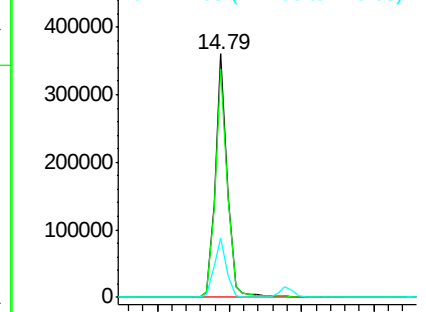
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	412379		
182	93.6	48.8	146.4	
145	24.4	11.8	35.3	

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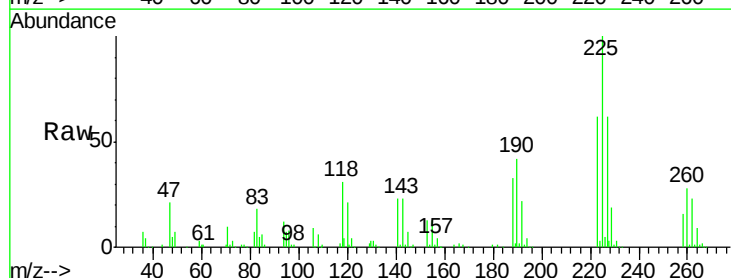


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

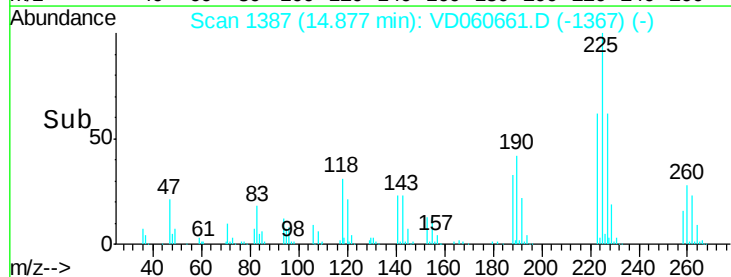
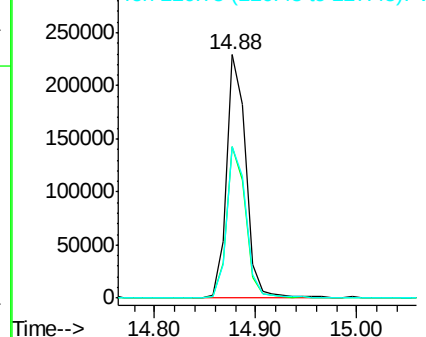


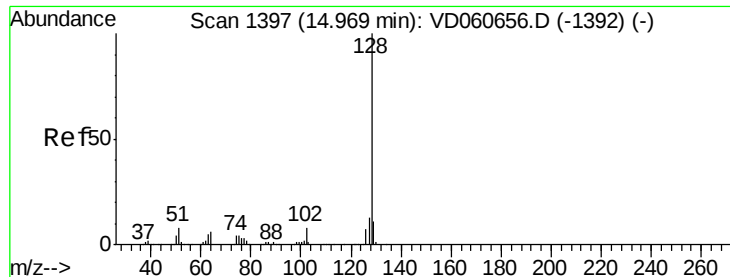
#94
 Hexachlorobutadiene
 Concen: 22.446 ug/l
 RT: 14.88 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	307343		
223	62.1	31.3	93.8	
227	62.0	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





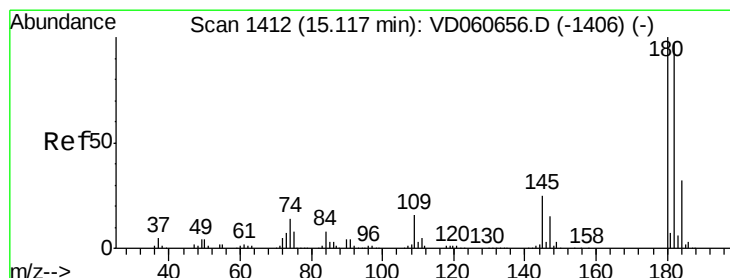
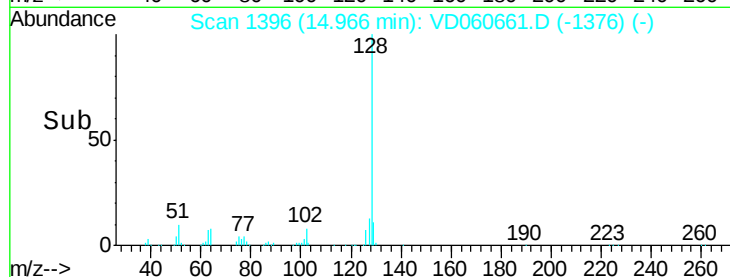
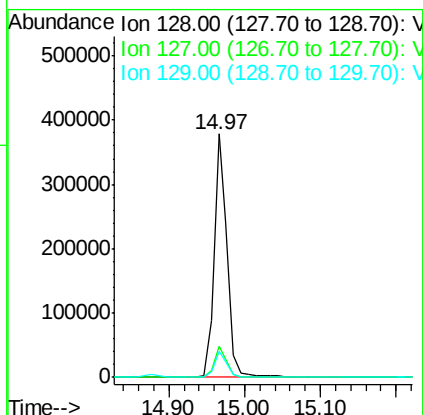
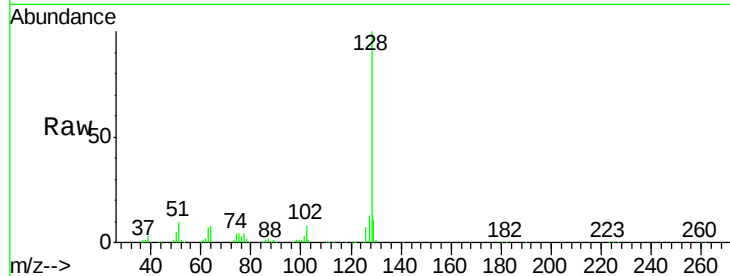
#95
Naphthalene
Concen: 20.774 ug/l
RT: 14.97 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleID :
VD1220SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.9	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 21.560 ug/l
RT: 15.11 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.6	145.9
145	27.9	12.6	37.8

