

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100218\
 Data File : VD060110.D
 Acq On : 2 Oct 2018 12:23
 Operator : VA/AP
 Sample : VD1002SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Manual Integrations
 APPROVED

apatel
 10/3/2018 12:59:52 PM

Quant Time: Oct 03 01:20:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1639261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2218415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1806176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	948780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	650259	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	6.30	113	894440	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	9.44	98	2529165	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.42	95	949273	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	288932m	18.737	ug/l	
3) Chloromethane	1.74	50	296652	21.335	ug/l	97
4) Vinyl Chloride	1.84	62	232576	20.439	ug/l	99
5) Bromomethane	2.12	94	21049	14.732	ug/l	93
6) Chloroethane	2.22	64	53519	17.235	ug/l	98
7) Trichlorofluoromethane	2.49	101	258172	18.948	ug/l	99
8) Diethyl Ether	2.81	74	57392	20.484	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.07	101	174104	20.511	ug/l	99
10) Methyl Iodide	3.22	142	138667	15.405	ug/l	99
11) Tert butyl alcohol	3.95	59	89993	100.984	ug/l #	94
12) 1,1-Dichloroethene	3.05	96	136998	20.487	ug/l	96
13) Acrolein	2.97	56	59978	109.179	ug/l	97
14) Allyl chloride	3.51	41	279665	20.137	ug/l	98
15) Acrylonitrile	4.06	53	369713	100.230	ug/l	97
16) Acetone	3.14	43	243379	107.942	ug/l	100
17) Carbon Disulfide	3.28	76	453097	20.149	ug/l	100
18) Methyl Acetate	3.53	43	91175	18.814	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	594772	20.230	ug/l	94
20) Methylene Chloride	3.70	84	365169	17.807	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	340641	19.724	ug/l	98
22) Diisopropyl ether	4.84	45	1224750	19.746	ug/l	97
23) Vinyl Acetate	4.78	43	3628675	104.081	ug/l	99
24) 1,1-Dichloroethane	4.73	63	544522	19.363	ug/l	100
25) 2-Butanone	5.61	43	611385	108.540	ug/l	99
26) 2,2-Dichloropropane	5.57	77	435932	20.448	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	355059	19.404	ug/l	92
28) Bromochloromethane	5.90	49	274023	20.052	ug/l	98
29) Tetrahydrofuran	5.94	42	319255	97.577	ug/l	99
30) Chloroform	6.08	83	575646	20.236	ug/l	99
31) Cyclohexane	6.34	56	525458	19.519	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	469800	20.158	ug/l	97
36) 1,1-Dichloropropene	6.50	75	428100	20.194	ug/l	99
37) Ethyl Acetate	5.68	43	295049	20.969	ug/l	99
38) Carbon Tetrachloride	6.48	117	389995	20.270	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	480366	19.943	ug/l	98
40) Benzene	6.78	78	1120569	20.205	ug/l	99
41) Methacrylonitrile	5.92	41	173497m	21.815	ug/l	
42) 1,2-Dichloroethane	6.88	62	321934	20.247	ug/l	99
43) Isopropyl Acetate	8.33	43	378964	20.471	ug/l #	99
44) Trichloroethene	7.72	130	348465	20.297	ug/l	98
45) 1,2-Dichloropropane	8.09	63	299531	20.626	ug/l	96
46) Dibromomethane	8.20	93	185298	19.709	ug/l	97
47) Bromodichloromethane	8.48	83	409578	20.446	ug/l	99
48) Methyl methacrylate	8.23	41	210619	19.974	ug/l	97
49) 1,4-Dioxane	8.21	88	41300	398.067	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	1240892	106.277	ug/l	97
52) Toluene	9.53	92	742223	20.780	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	370038	20.415	ug/l	97
54) cis-1,3-Dichloropropene	9.09	75	452055	20.196	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	236536	20.257	ug/l	95
56) Ethyl methacrylate	10.02	69	265014	20.561	ug/l	98
57) 1,3-Dichloropropane	10.37	76	369949	20.774	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	782976	109.391	ug/l	99
59) 2-Hexanone	10.48	43	923230	109.960	ug/l	100
60) Dibromochloromethane	10.63	129	290025	20.244	ug/l	99
61) 1,2-Dibromoethane	10.75	107	250115	20.160	ug/l	97
64) Tetrachloroethene	10.24	164	321498	20.323	ug/l	99
65) Chlorobenzene	11.30	112	794616	20.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	265130	20.340	ug/l	98
67) Ethyl Benzene	11.42	91	1322788	20.895	ug/l	100
68) m/p-Xylenes	11.56	106	1005637	42.515	ug/l	99
69) o-Xylene	11.92	106	463075	19.792	ug/l	88
70) Styrene	11.95	104	795249	20.325	ug/l	99
71) Bromoform	12.11	173	208001	19.706	ug/l	98
73) Isopropylbenzene	12.27	105	1315889	21.023	ug/l	99
74) N-amyl acetate	12.13	43	480647	20.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	282900	20.703	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	286026	20.933	ug/l	100
77) Bromobenzene	12.53	156	372628	20.486	ug/l	93
78) n-propylbenzene	12.63	91	1639736	21.098	ug/l	99
79) 2-Chlorotoluene	12.70	91	894539	20.738	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1042111	21.512	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	78416	20.425	ug/l	98
82) 4-Chlorotoluene	12.80	91	1048460	21.489	ug/l	92
83) tert-Butylbenzene	13.05	119	1126932	20.272	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1042809	20.424	ug/l	96
85) sec-Butylbenzene	13.21	105	1395262	21.227	ug/l	97
86) p-Isopropyltoluene	13.34	119	1152123	21.370	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	669463	21.125	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	660828	20.761	ug/l	95
89) n-Butylbenzene	13.65	91	1199362	22.799	ug/l	98
90) Hexachloroethane	13.85	117	256252	20.538	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	590864	22.175	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	35630	19.528	ug/l	78

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	455159	20.125	ug/l	98
94) Hexachlorobutadiene	14.88	225	308601	20.527	ug/l	98
95) Naphthalene	14.96	128	678479	20.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	394686	20.061	ug/l	98

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

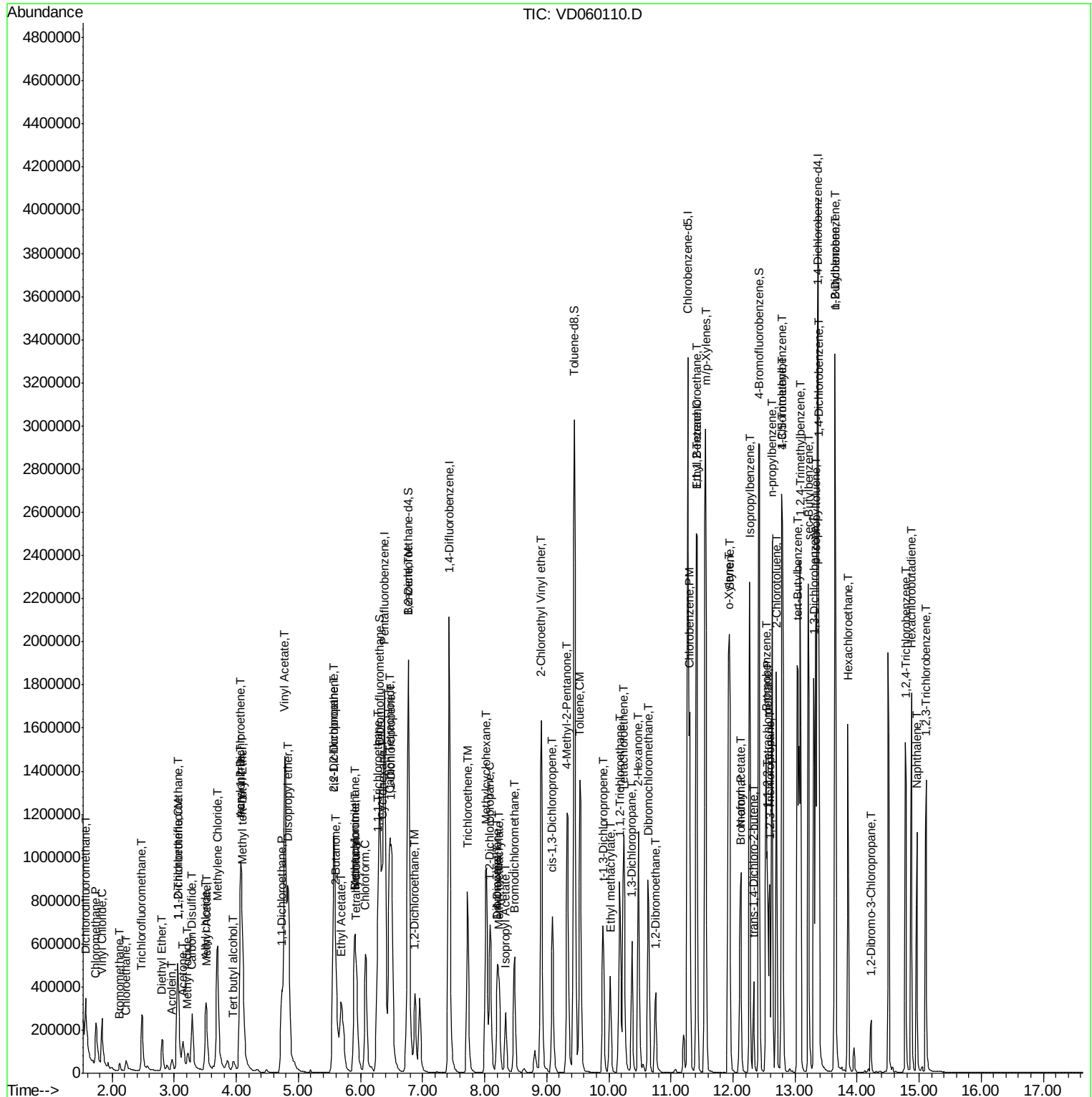
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Data File : VD060110.D
Acq On : 2 Oct 2018 12:23
Operator : VA/AP
Sample : VD1002SBS01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

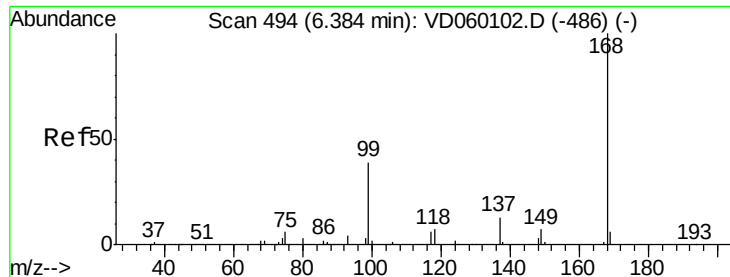
Instrument :
MSVOA_D
ClientSampleID :
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion:168 Resp: 1639261

Ion Ratio Lower Upper

168 100

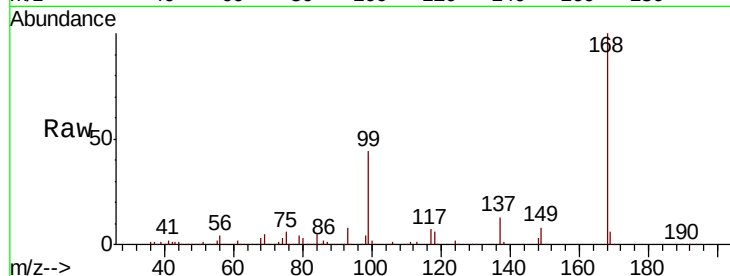
99 44.4 35.4 53.0

Manual Integrations

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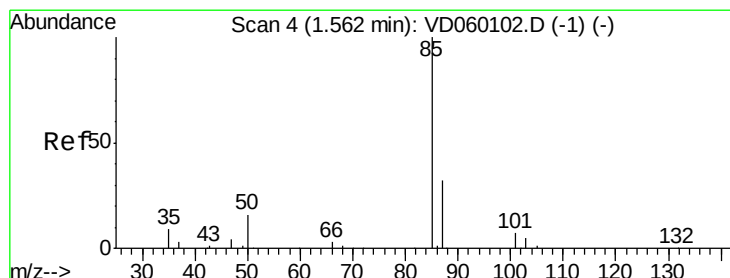
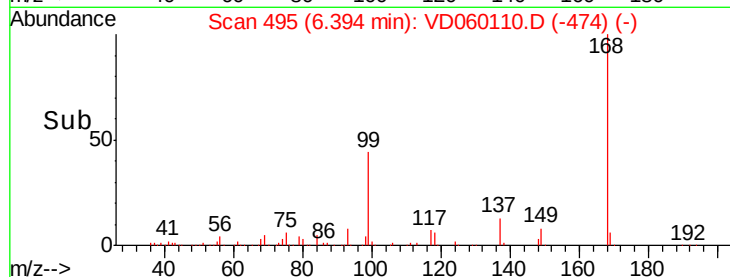
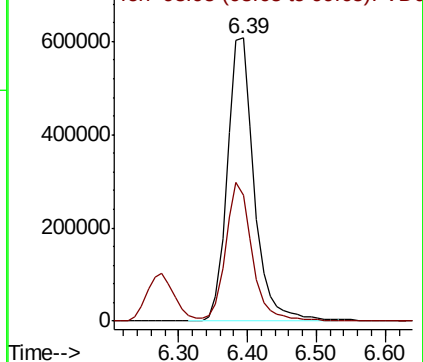
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: 18.737 ug/l m

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060110.D

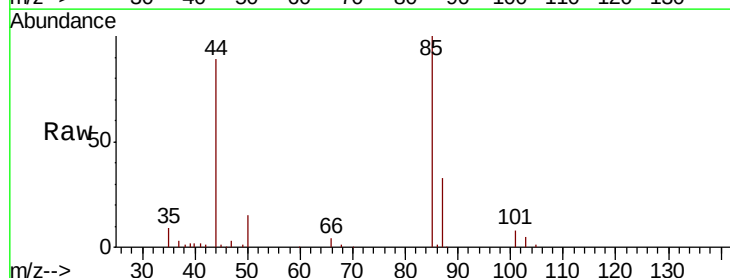
Acq: 2 Oct 2018 12:23

Tgt Ion: 85 Resp: 288932

Ion Ratio Lower Upper

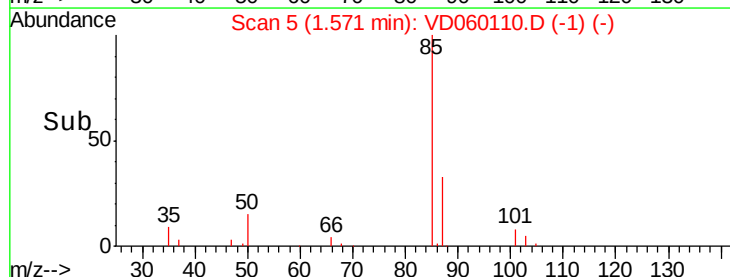
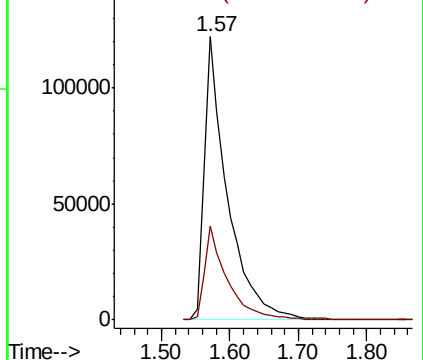
85 100

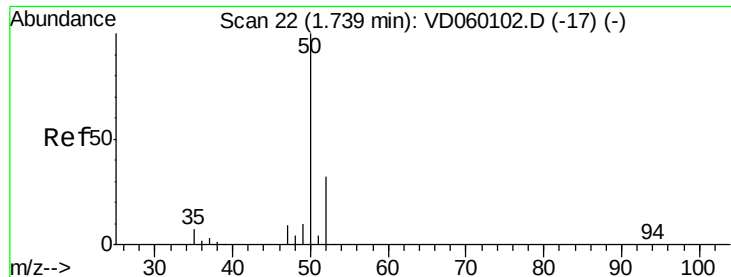
87 33.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 21.335 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 50 Resp: 296652

Ion Ratio Lower Upper

50 100

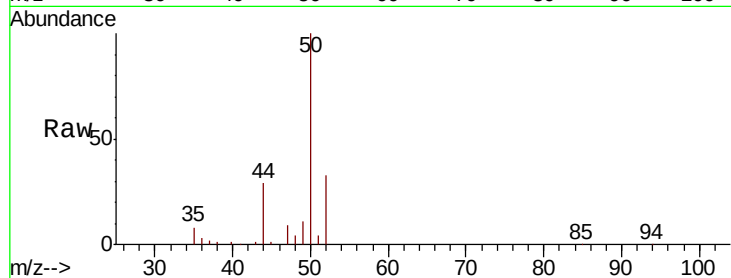
52 33.2 25.3 37.9

Manual Integrations

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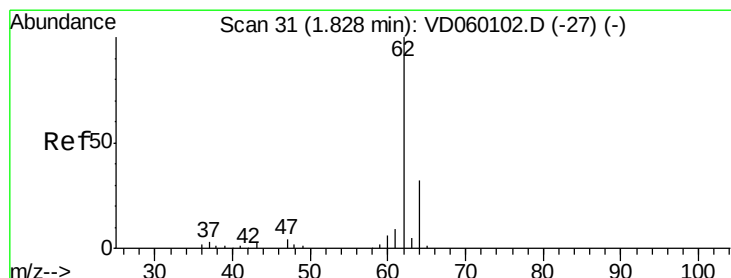
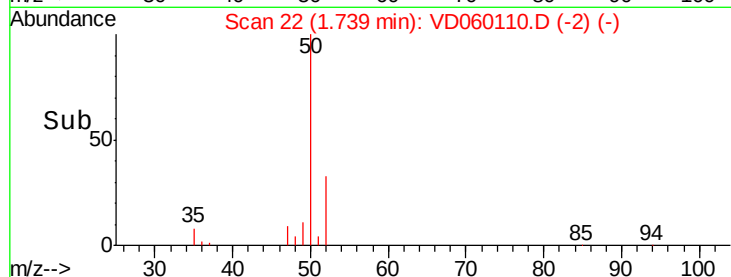
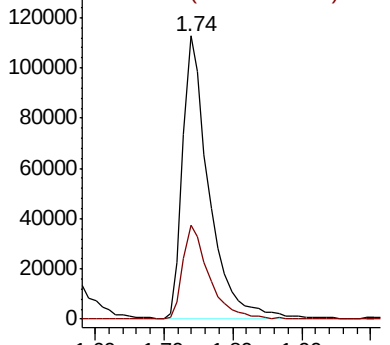
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.439 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060110.D

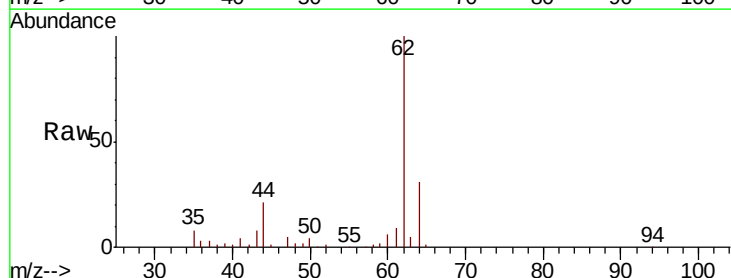
Acq: 2 Oct 2018 12:23

Tgt Ion: 62 Resp: 232576

Ion Ratio Lower Upper

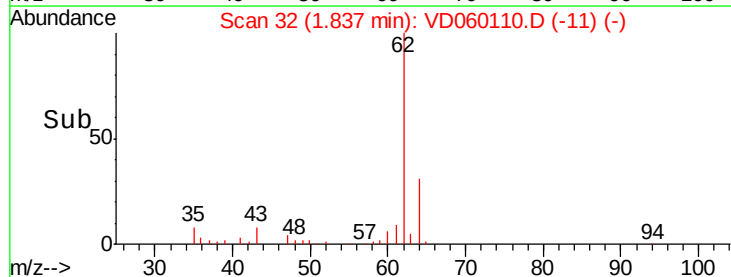
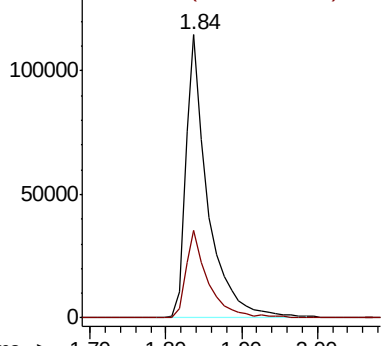
62 100

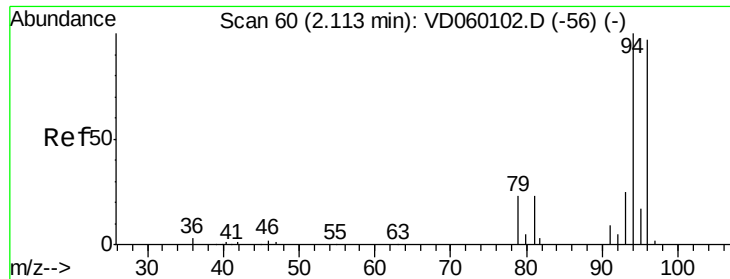
64 30.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.732 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 94 Resp: 21049

Ion Ratio Lower Upper

94 100

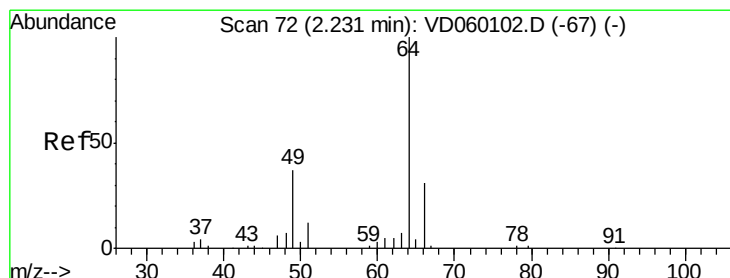
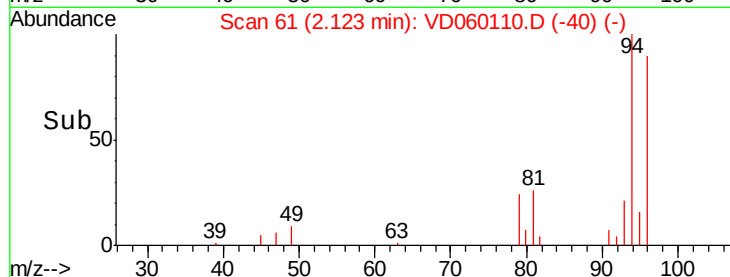
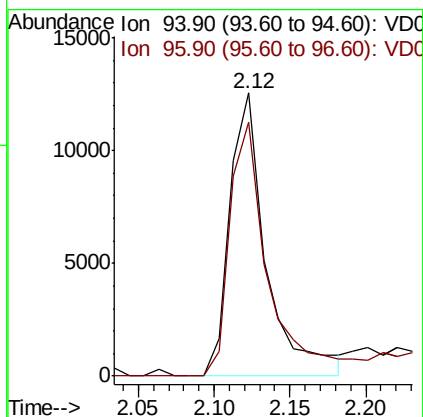
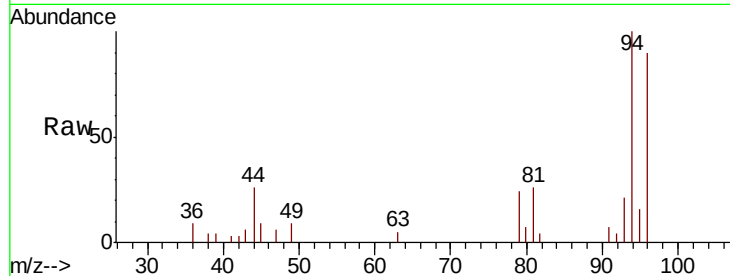
96 89.9 77.4 116.2

Manual Integrations

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#6

Chloroethane

Concen: 17.235 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060110.D

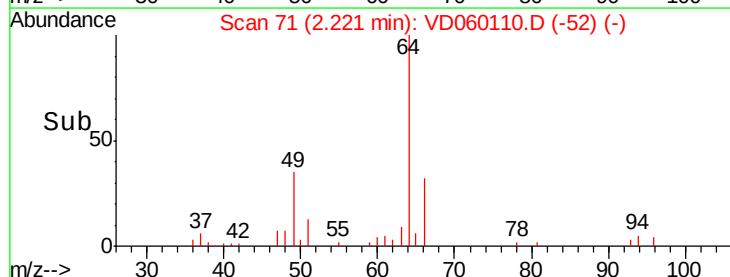
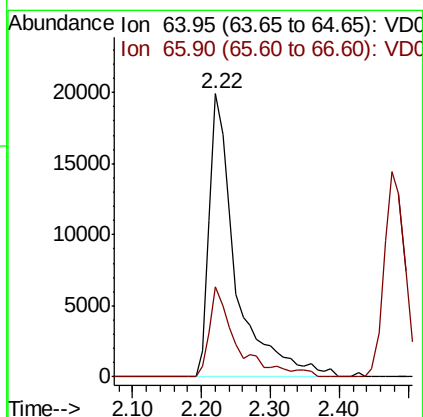
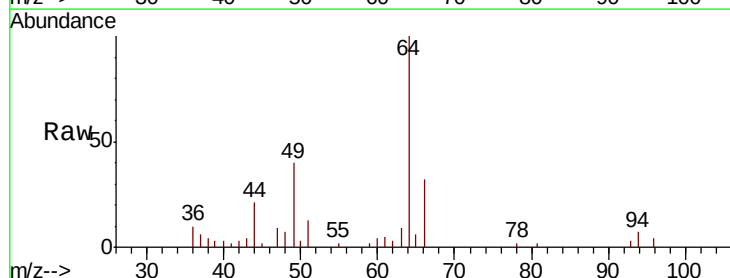
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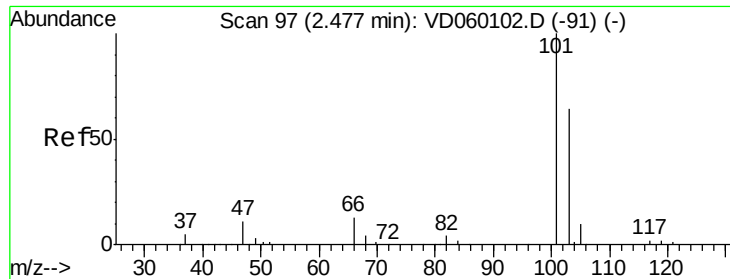
Tgt Ion: 64 Resp: 53519

Ion Ratio Lower Upper

64 100

66 31.9 24.6 37.0





#7

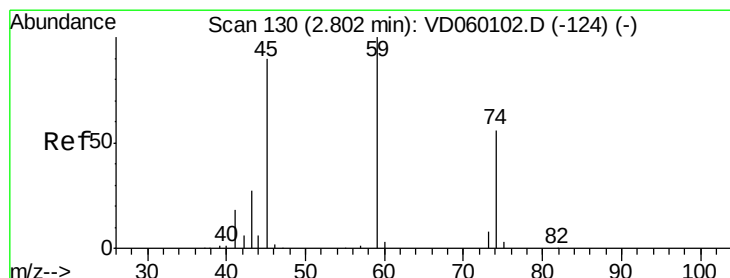
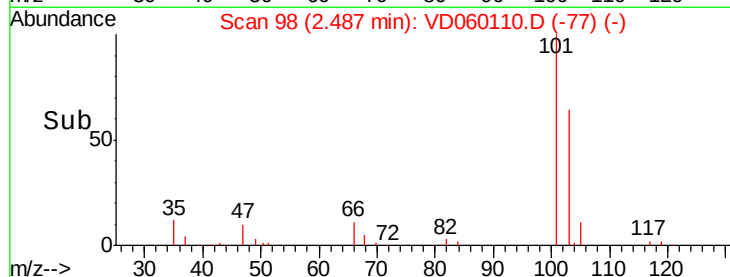
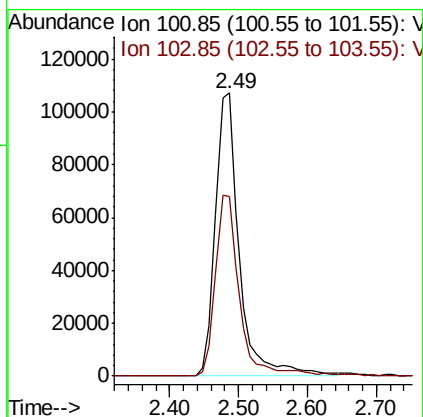
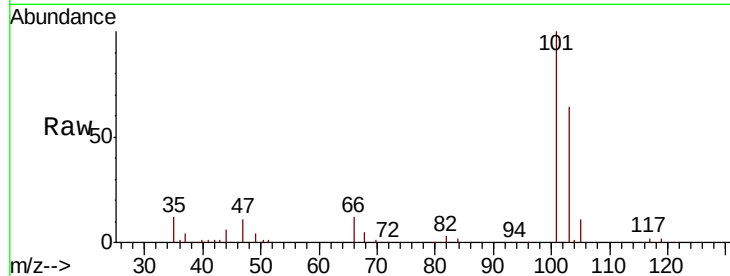
Trichlorofluoromethane
 Concen: 18.948 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.5	77.3

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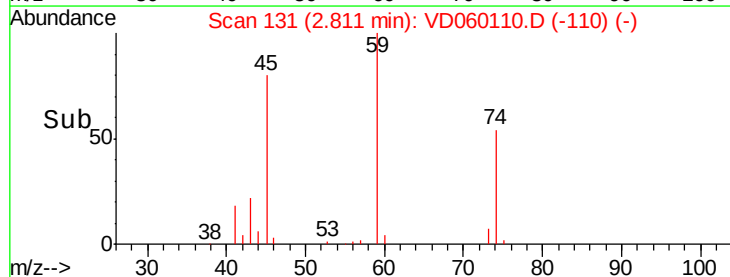
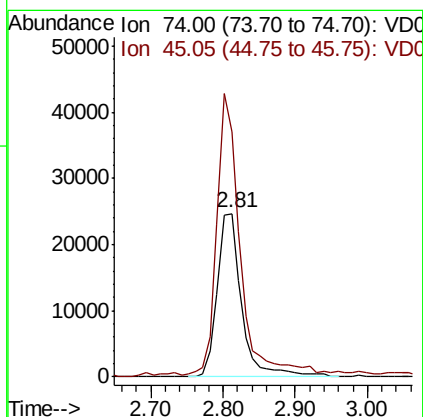
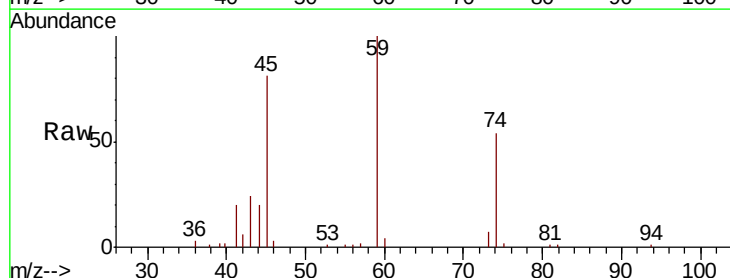
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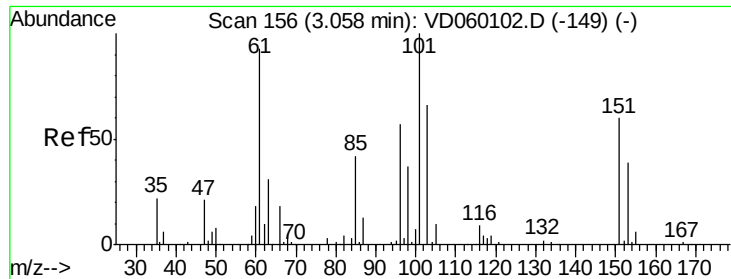


#8

Diethyl Ether
 Concen: 20.484 ug/l
 RT: 2.81 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	149.8	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.511 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

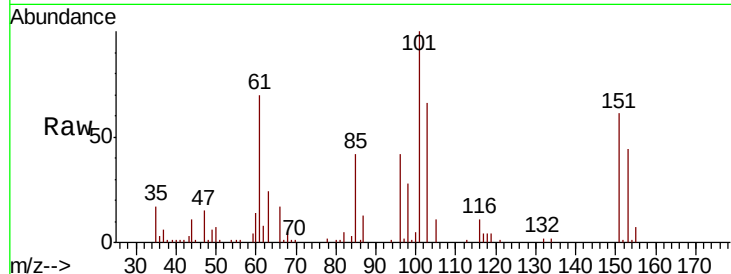
ClientSampleId :

VD1002SBS01

Tot Ion:	101	Resp:	174104
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.0
151	61.3	48.0	72.0

Manual Integrations
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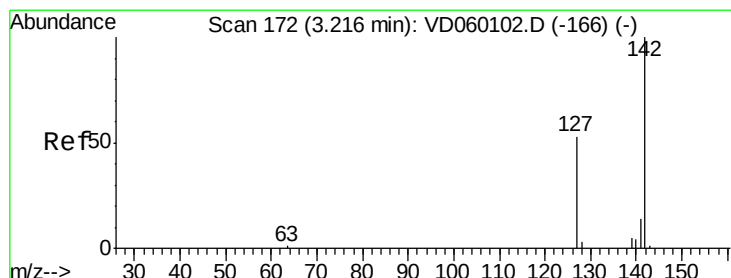
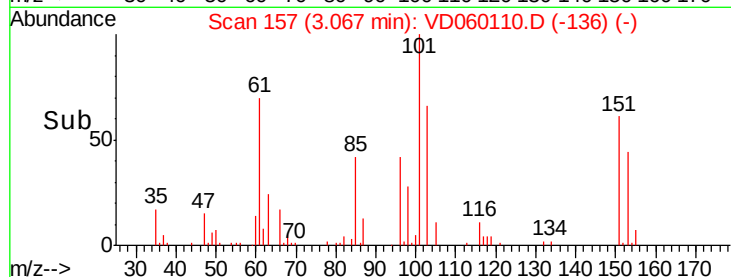
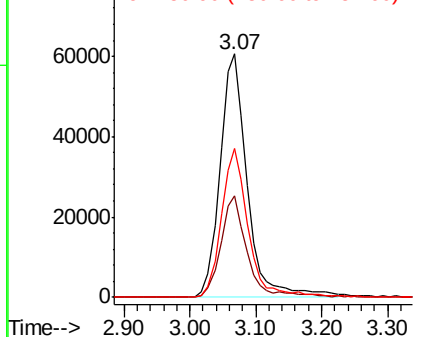


Abundance

Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.405 ug/l

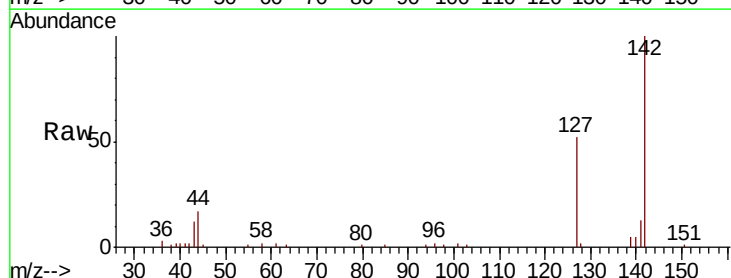
RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion:	142	Resp:	138667
Ion Ratio	Lower	Upper	
142	100		
127	52.1	42.0	63.0
141	13.0	11.4	17.0

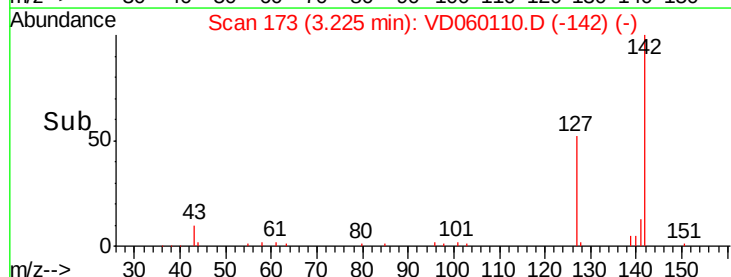
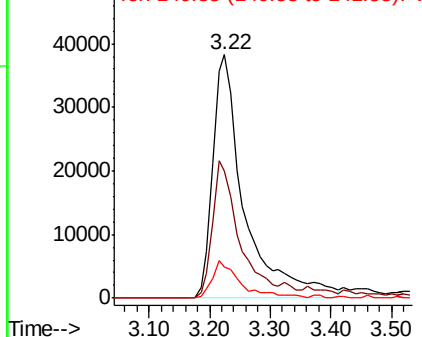


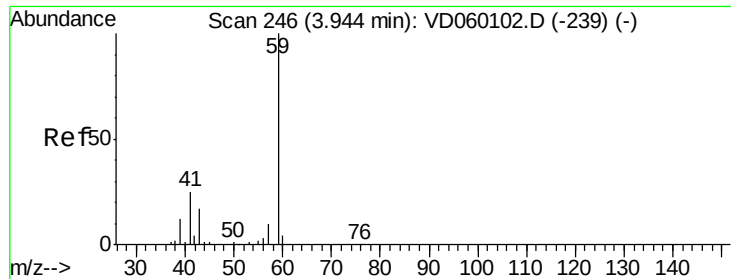
Abundance

Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

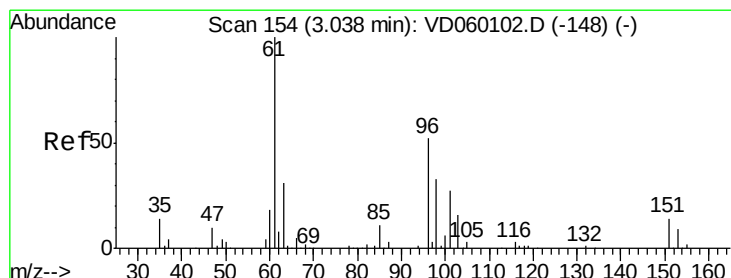
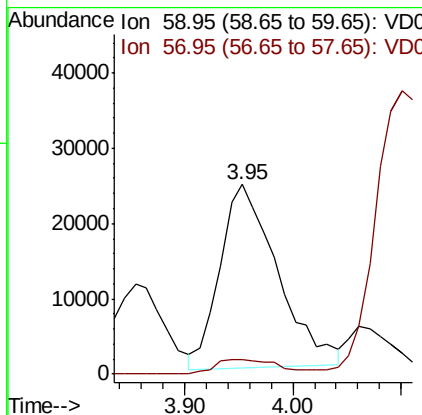
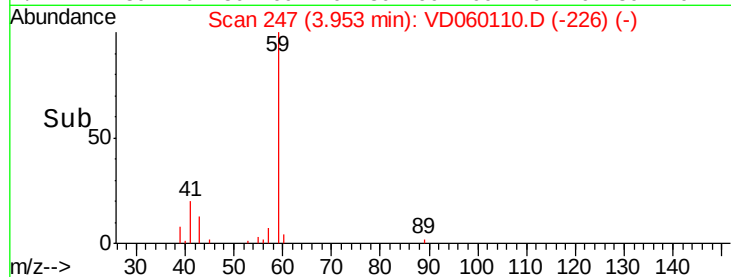
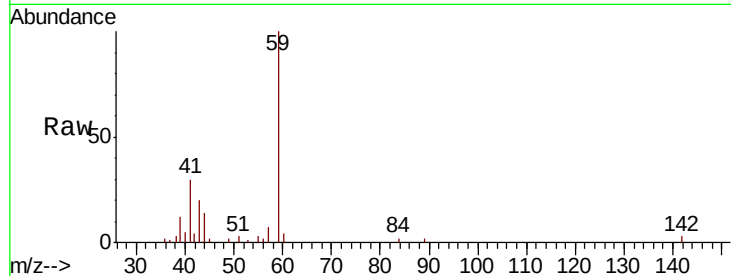
Tert butyl alcohol
Concen: 100.984 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 59 Resp: 89993
Ion Ratio Lower Upper
59 100
57 7.5 7.8 11.6#

Manual Integrations
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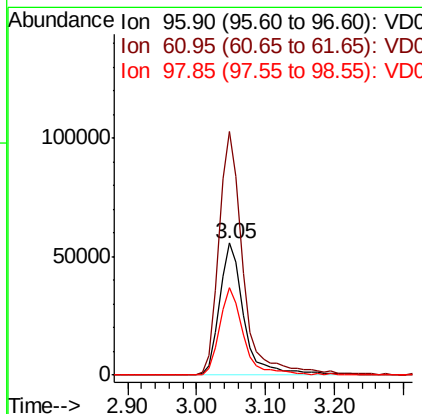
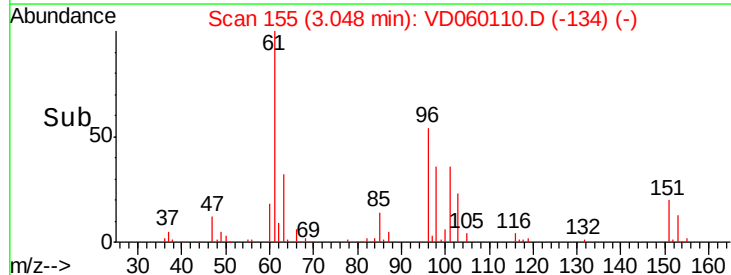
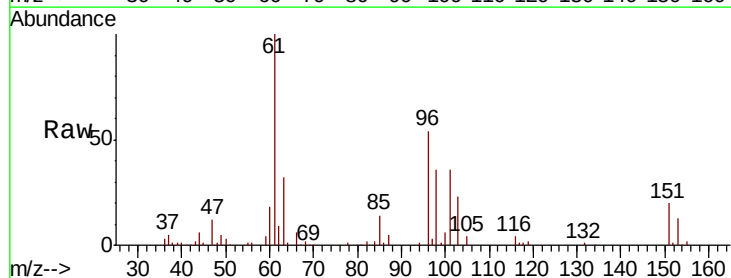
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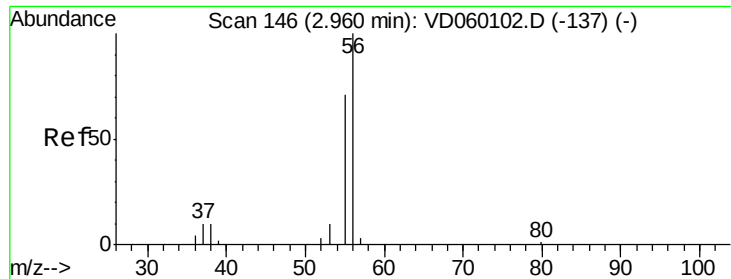


#12

1,1-Dichloroethene
Concen: 20.487 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 96 Resp: 136998
Ion Ratio Lower Upper
96 100
61 184.5 153.0 229.4
98 66.2 51.1 76.7





#13

Acrolein

Concen: 109.179 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 56 Resp: 59978

Ion Ratio Lower Upper

56 100

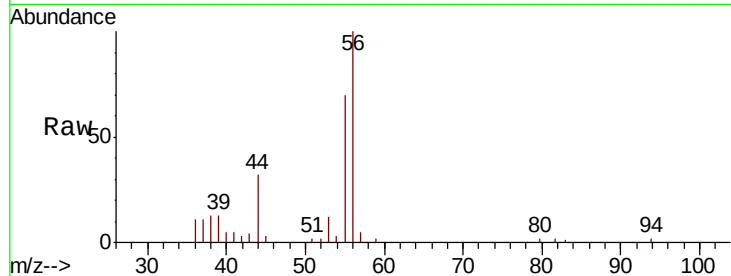
55 69.6 57.4 86.2

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

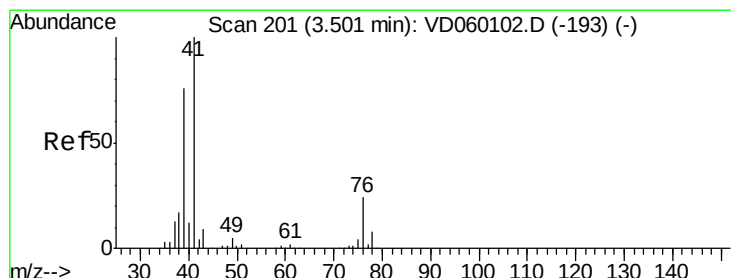
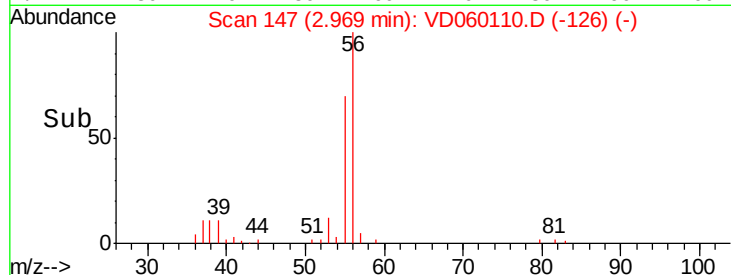
10000

5000

0

2.90 2.97 3.00 3.10 3.20

Time-->



#14

Allyl chloride

Concen: 20.137 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

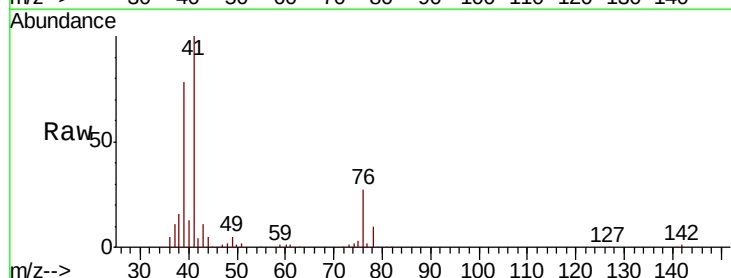
Tgt Ion: 41 Resp: 279665

Ion Ratio Lower Upper

41 100

39 78.0 60.6 90.8

76 26.9 21.3 31.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

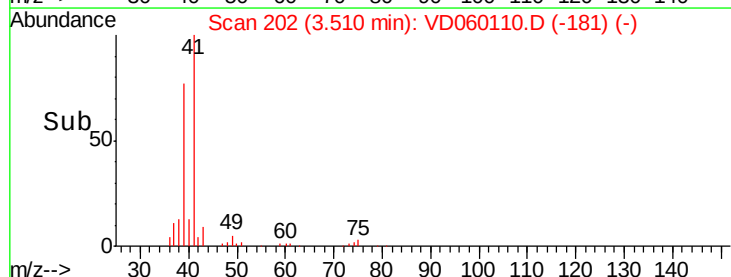
100000

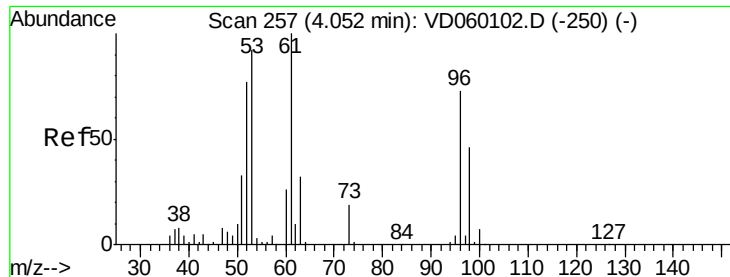
50000

0

3.40 3.51 3.60

Time-->





#15

Acrylonitrile

Concen: 100.230 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

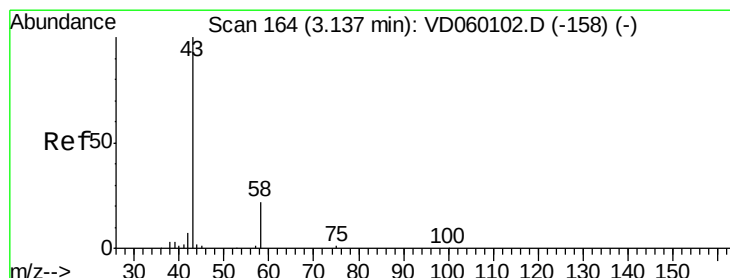
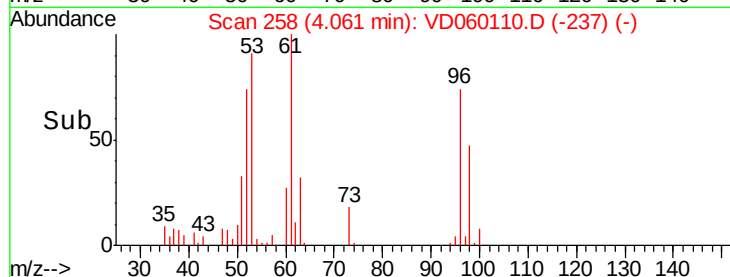
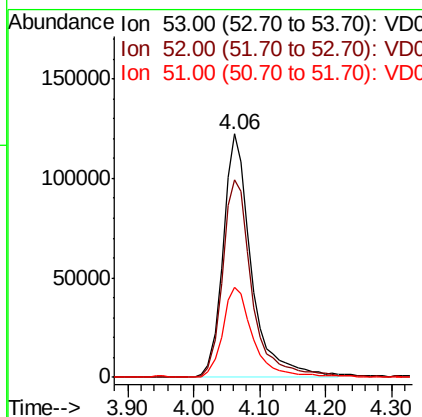
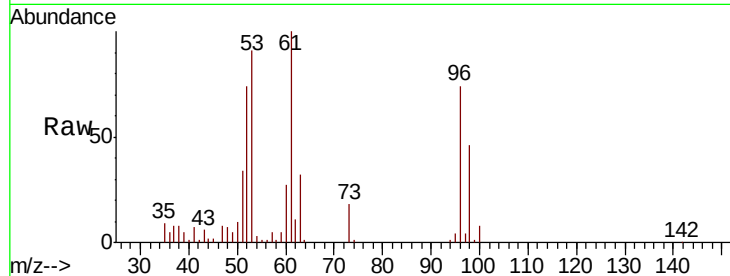
ClientSampleId :

VD1002SBS01

Tot Ion:	53	Resp:	369713
Ion Ratio	Lower	Upper	
53	100		
52	81.2	67.5	101.3
51	36.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 107.942 ug/l

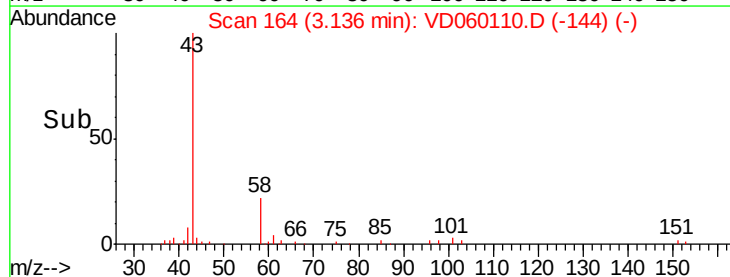
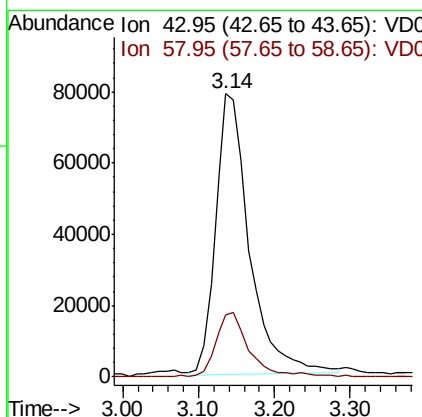
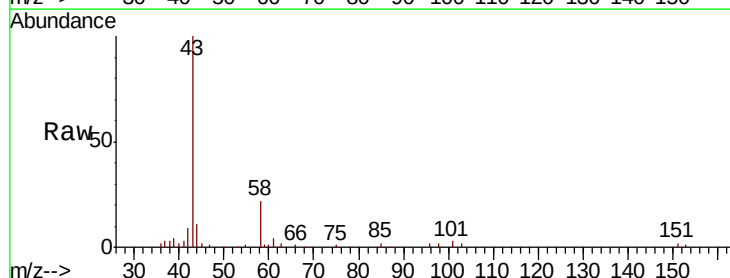
RT: 3.14 min Scan# 164

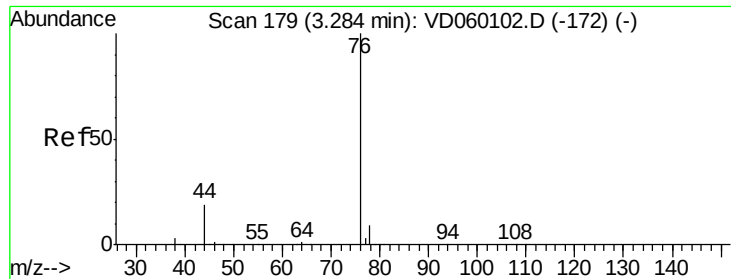
Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion:	43	Resp:	243379
Ion Ratio	Lower	Upper	
43	100		
58	21.9	17.7	26.5





#17

Carbon Disulfide

Concen: 20.149 ug/l

RT: 3.28 min Scan# 179

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 76 Resp: 453097

Ion Ratio Lower Upper

76 100

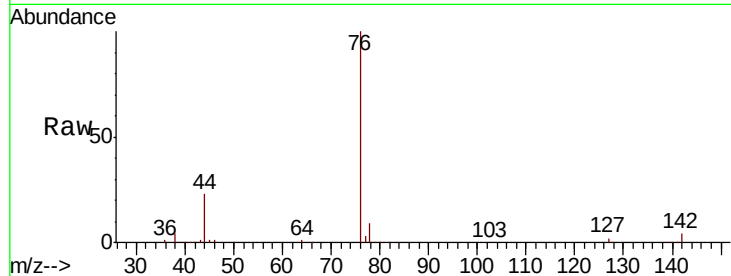
78 9.2 7.4 11.2

Manual Integrations

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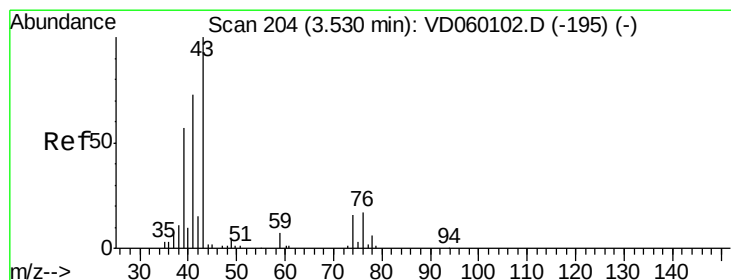
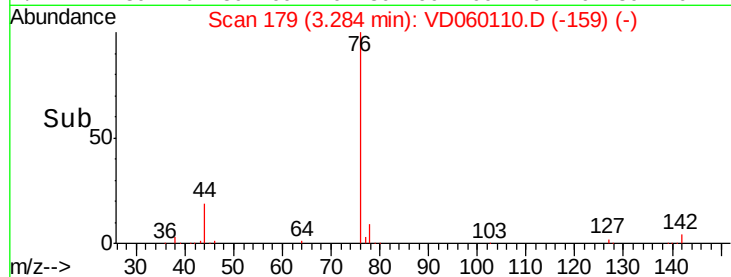
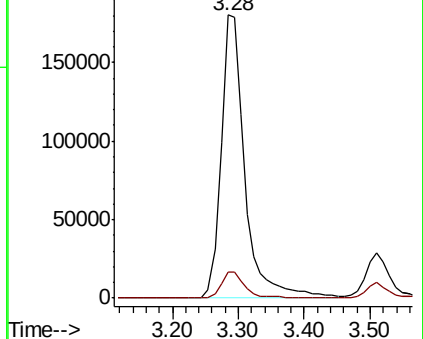
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.814 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.00 min

Lab File: VD060110.D

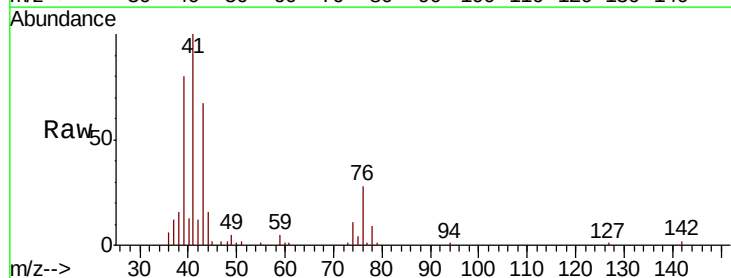
Acq: 2 Oct 2018 12:23

Tgt Ion: 43 Resp: 91175

Ion Ratio Lower Upper

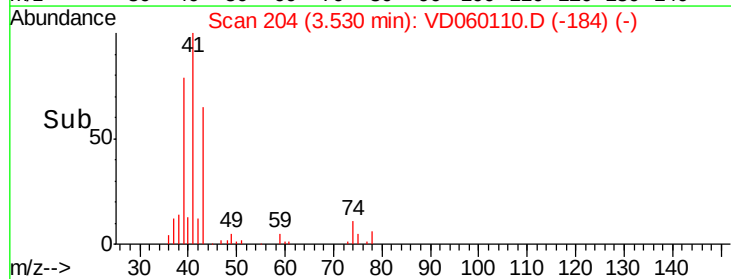
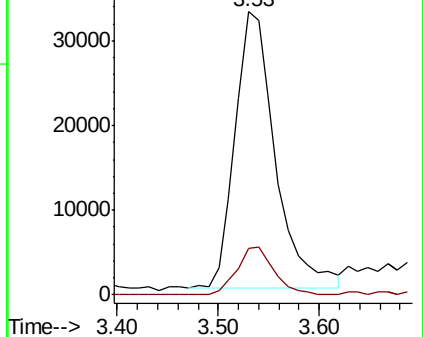
43 100

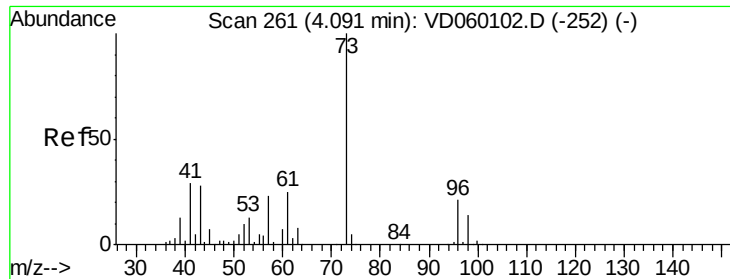
74 16.3 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





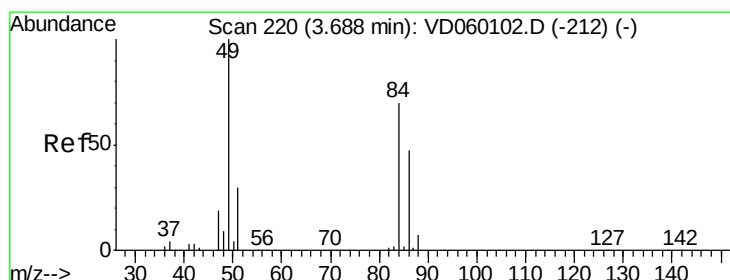
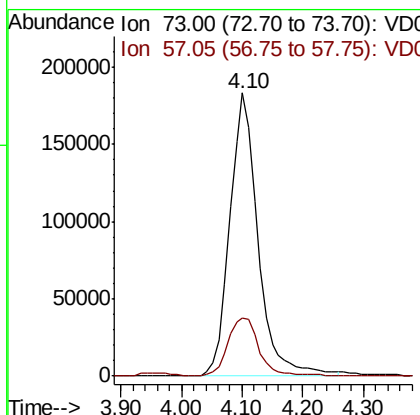
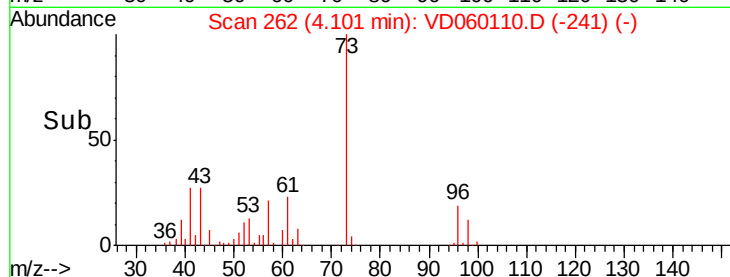
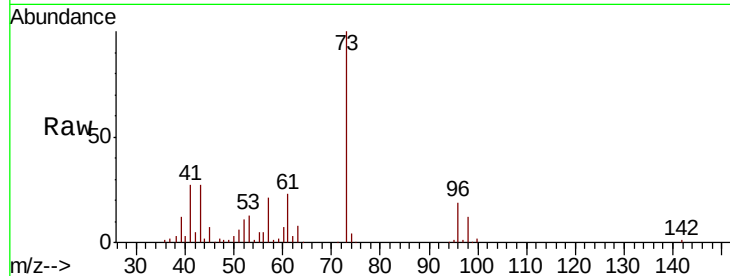
#19
Methyl tert-butyl Ether
Concen: 20.230 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 73 Resp: 594772
Ion Ratio Lower Upper
73 100
57 20.5 18.7 28.1

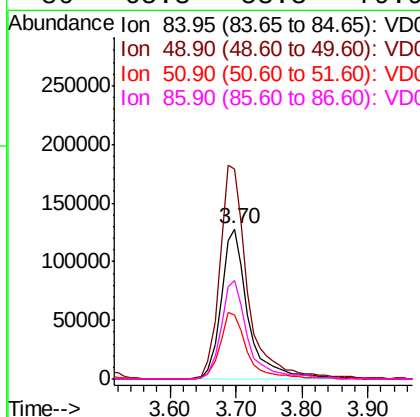
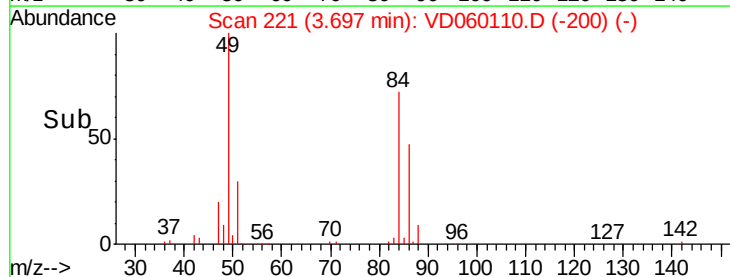
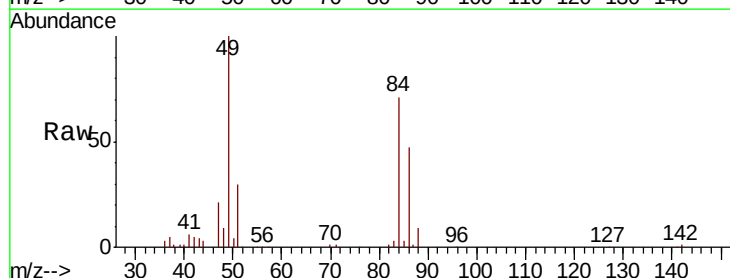
Manual Integrations
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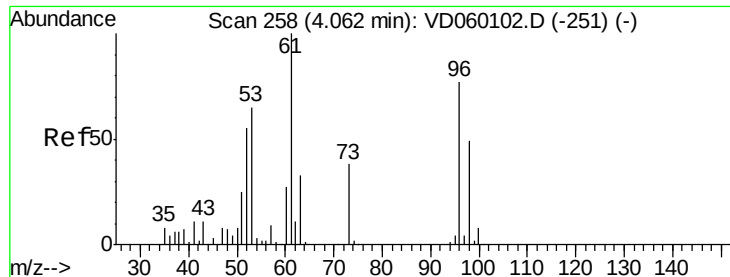
apatel
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#20
Methylene Chloride
Concen: 17.807 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 84 Resp: 365169
Ion Ratio Lower Upper
84 100
49 140.1 114.6 172.0
51 42.5 33.8 50.8
86 65.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 19.724 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

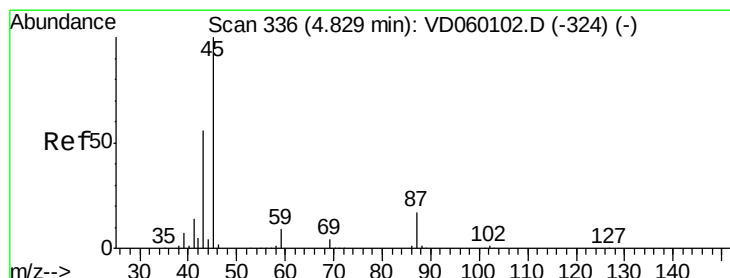
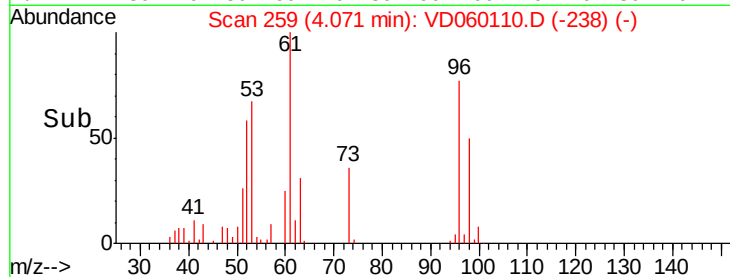
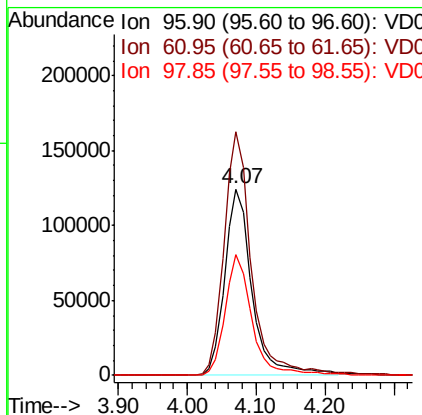
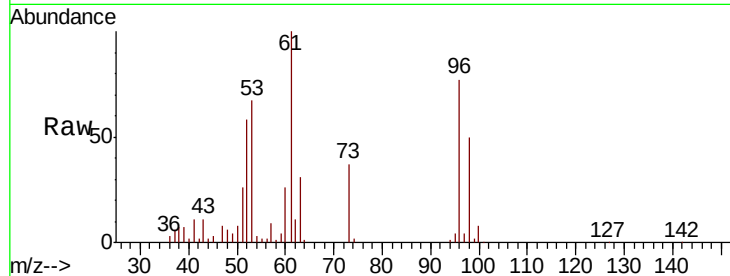
ClientSampleId :

VD1002SBS01

Tot Ion:	96	Resp:	340641
Ion	Ratio	Lower	Upper
96	100		
61	130.6	103.3	154.9
98	64.9	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.746 ug/l

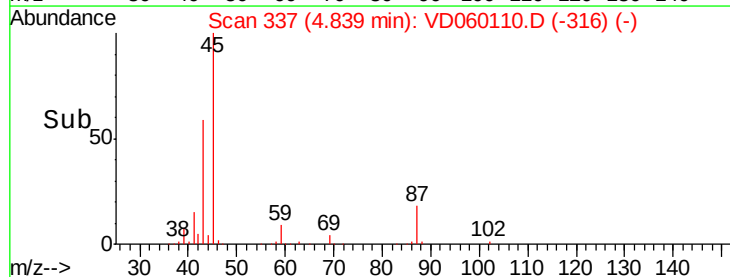
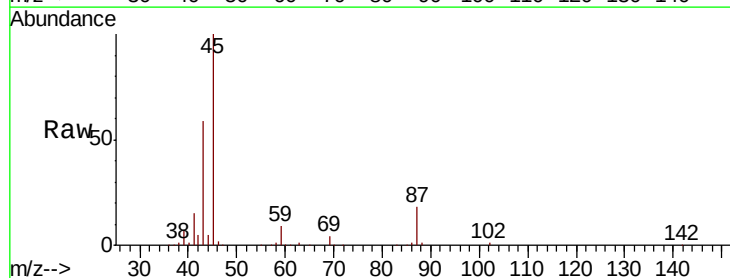
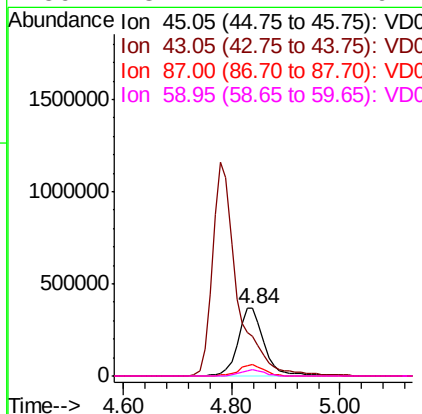
RT: 4.84 min Scan# 337

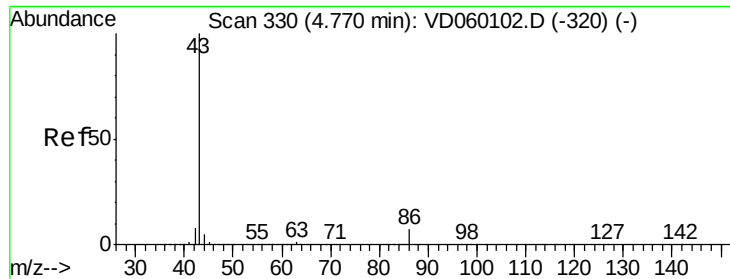
Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion:	45	Resp:	1224750
Ion	Ratio	Lower	Upper
45	100		
43	58.8	44.8	67.2
87	17.5	13.9	20.9
59	8.7	7.1	10.7





#23

Vinyl Acetate

Concen: 104.081 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 43 Resp: 3628675

Ion Ratio Lower Upper

43 100

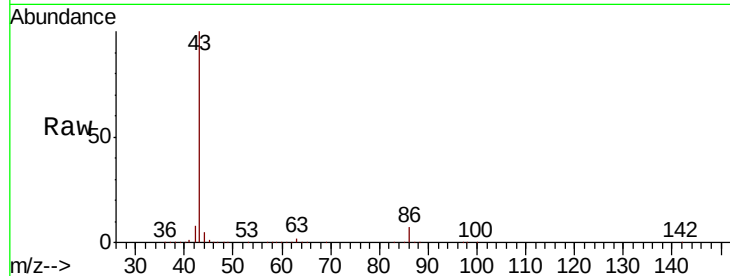
86 6.5 5.6 8.4

Manual Integrations

APPROVED

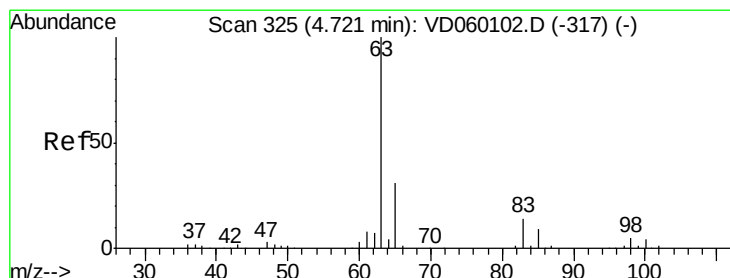
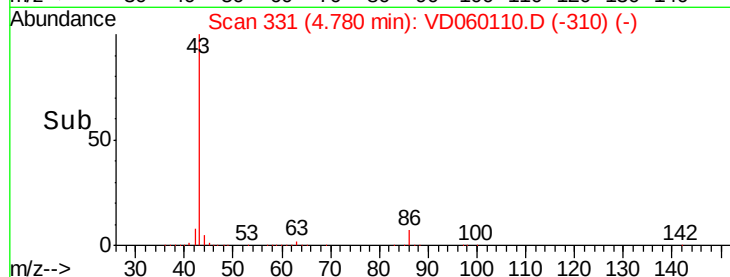
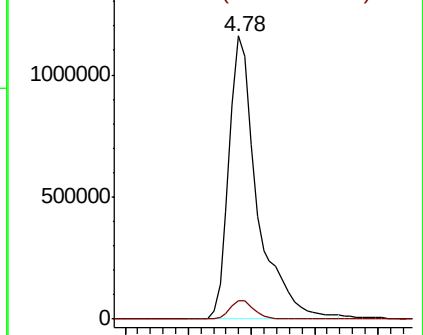
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.363 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

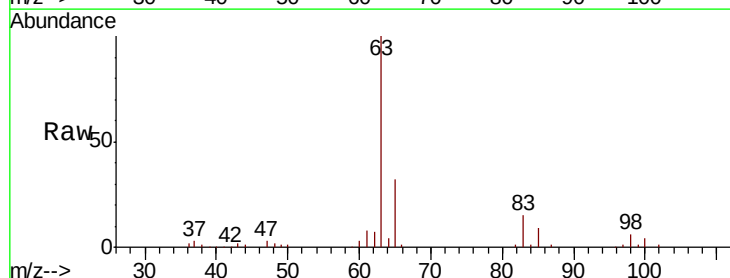
Tgt Ion: 63 Resp: 544522

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

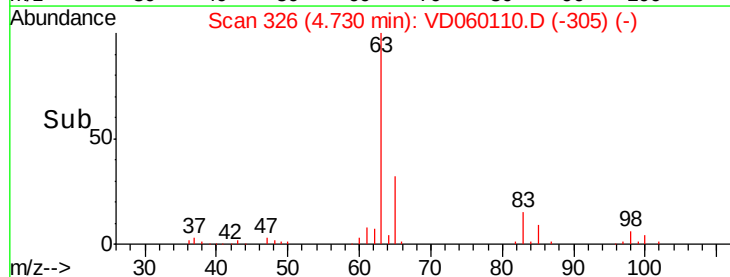
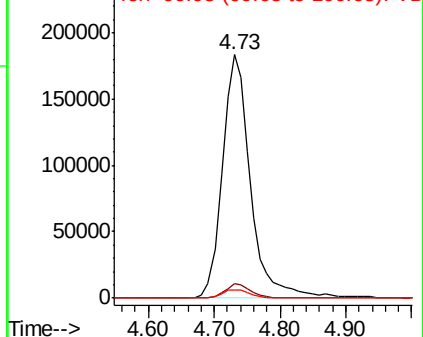
100 3.6 1.8 5.3

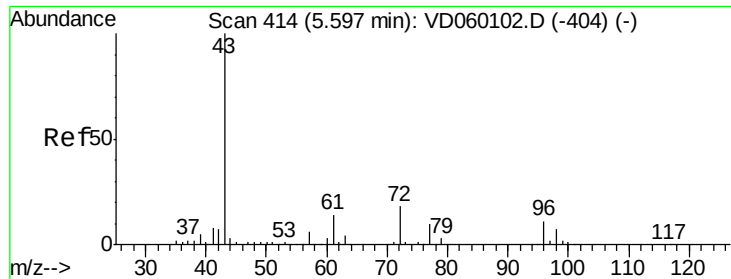


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.540 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 43 Resp: 611385

Ion Ratio Lower Upper

43 100

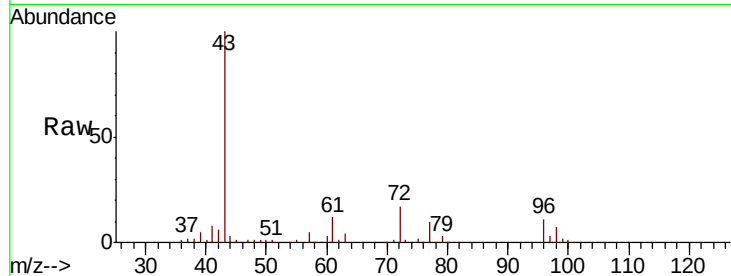
72 17.4 14.5 21.7

Manual Integrations

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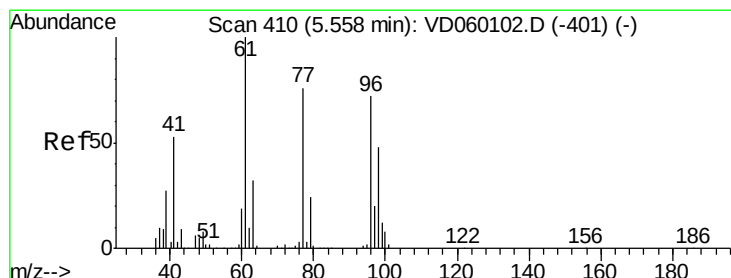
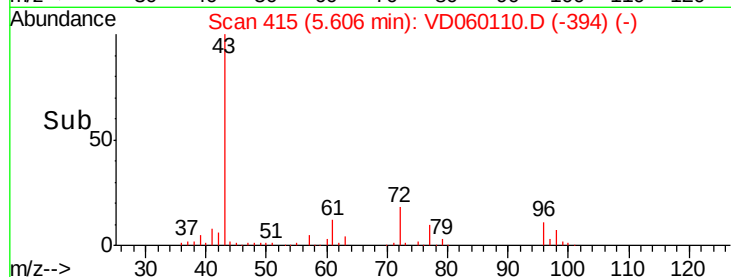
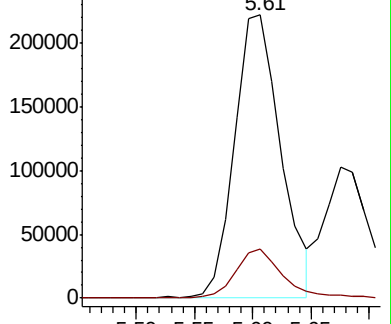
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.448 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060110.D

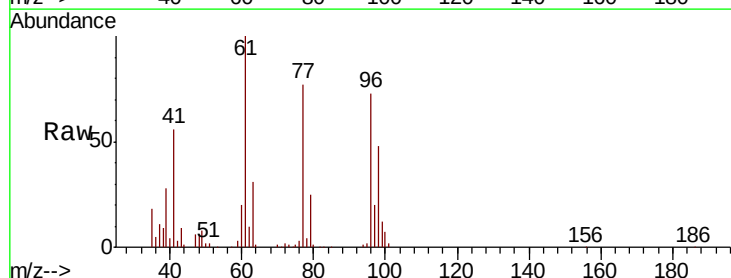
Acq: 2 Oct 2018 12:23

Tgt Ion: 77 Resp: 435932

Ion Ratio Lower Upper

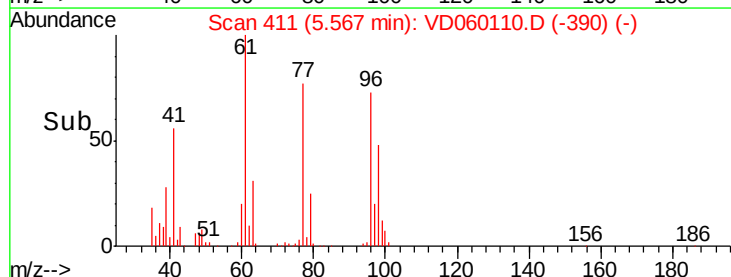
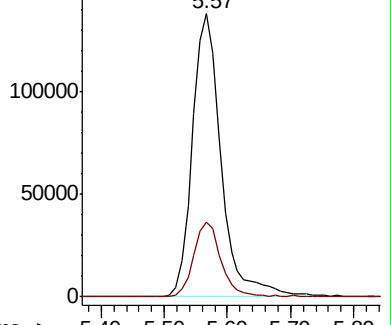
77 100

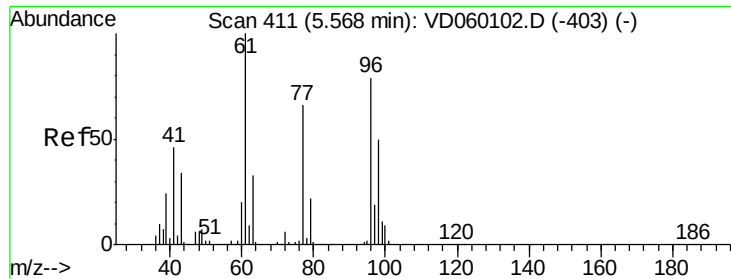
97 26.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





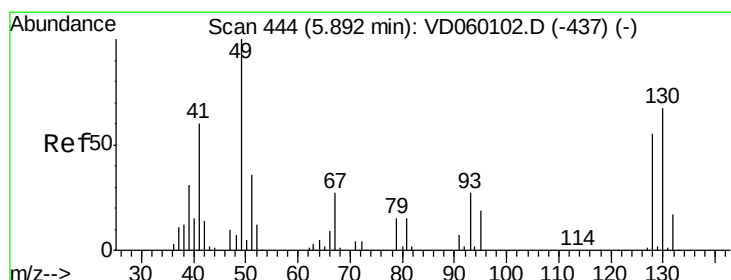
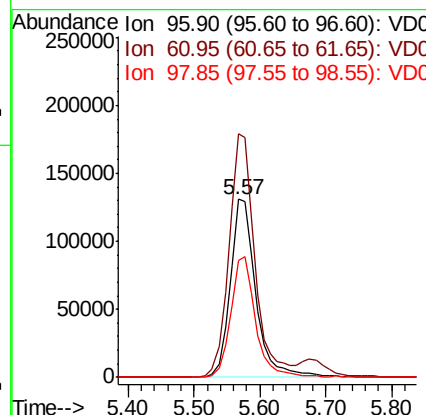
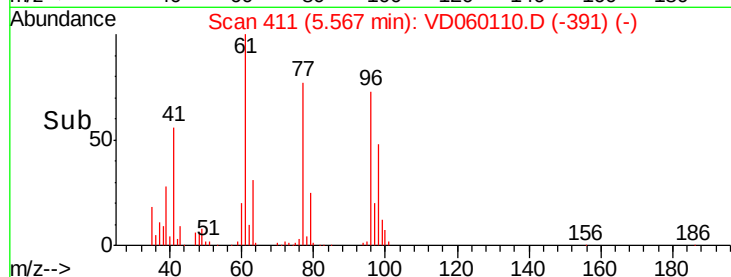
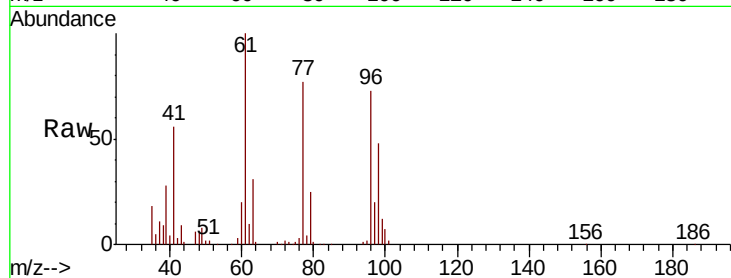
#27
 cis-1,2-Dichloroethene
 Concen: 19.404 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.9	0.0	251.8	
98	65.4	0.0	125.2	

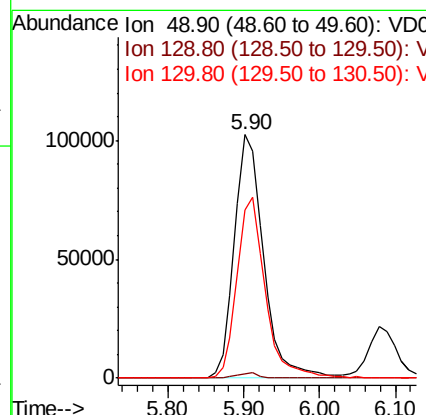
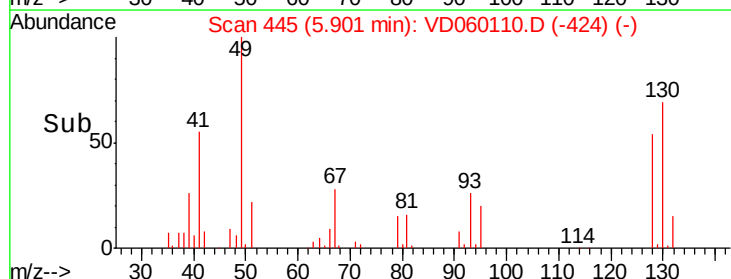
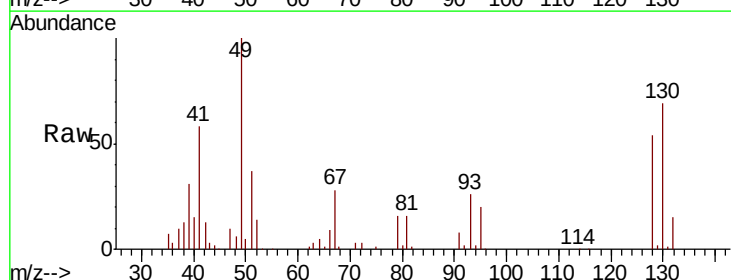
Manual Integrations
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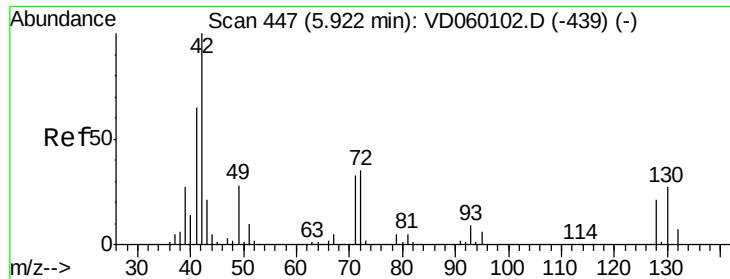
apatel
 10/3/2018 12:59:52 PM



#28
 Bromochloromethane
 Concen: 20.052 ug/l
 RT: 5.90 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.6	
130	69.2	53.9	80.9	





#29

Tetrahydrofuran

Concen: 97.577 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

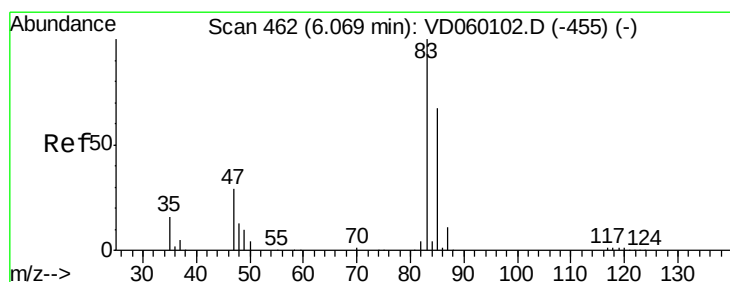
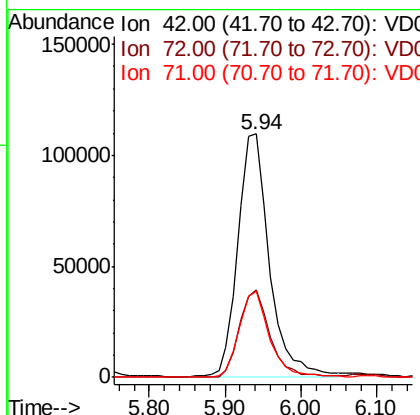
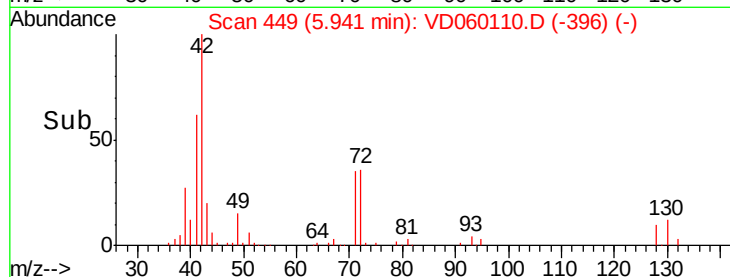
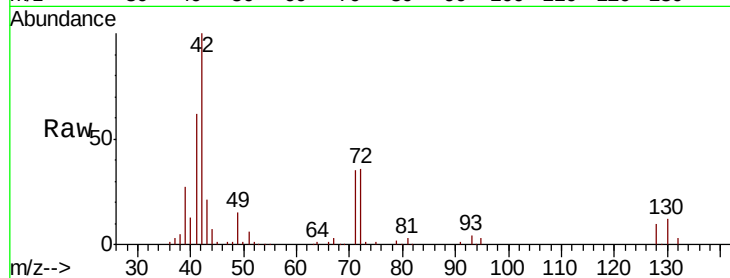
ClientSampleId :

VD1002SBS01

Tot Ion:	42	Resp:	319255
Ion Ratio		Lower	Upper
42	100		
72	34.6	26.9	40.3
71	33.9	26.7	40.1

Manual Integrations
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#30

Chloroform

Concen: 20.236 ug/l

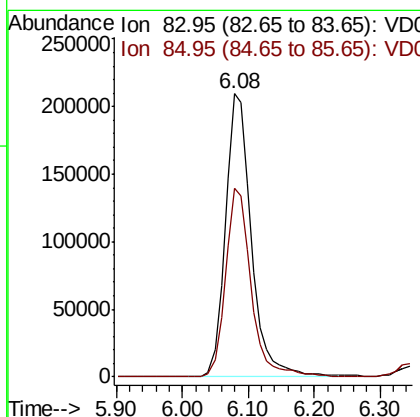
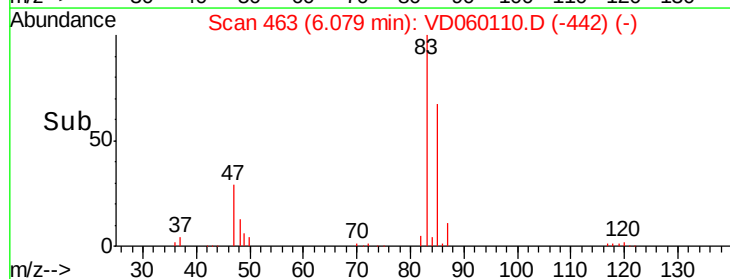
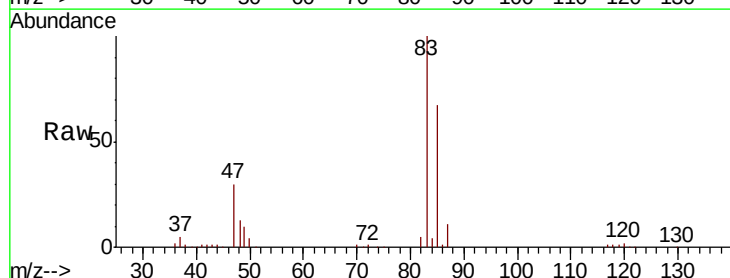
RT: 6.08 min Scan# 463

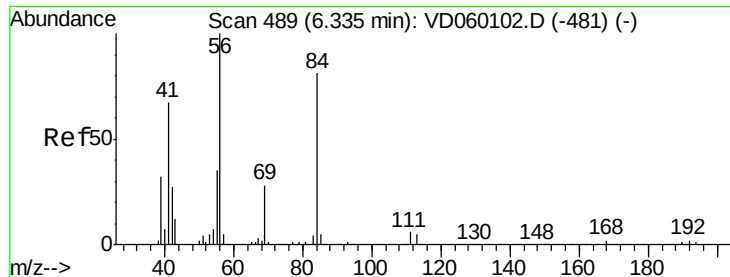
Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion:	83	Resp:	575646
Ion Ratio		Lower	Upper
83	100		
85	66.7	53.8	80.8





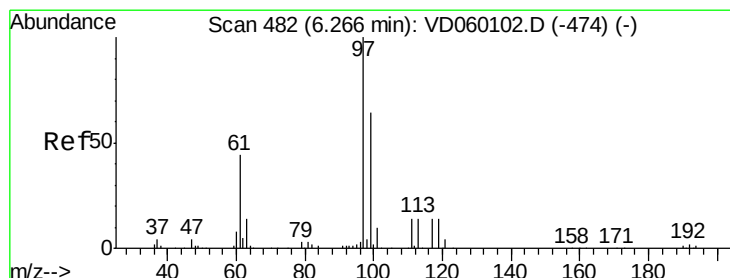
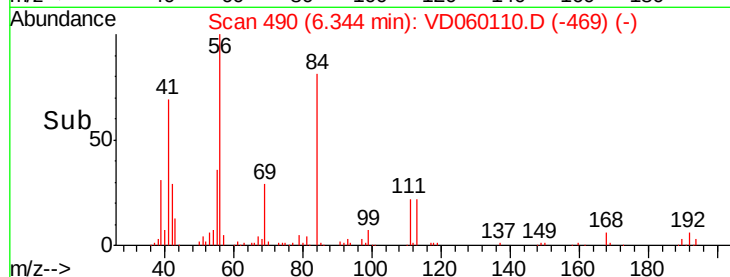
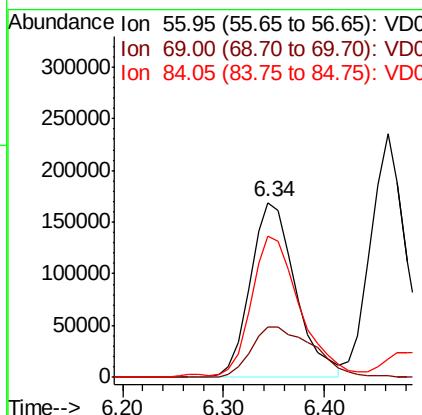
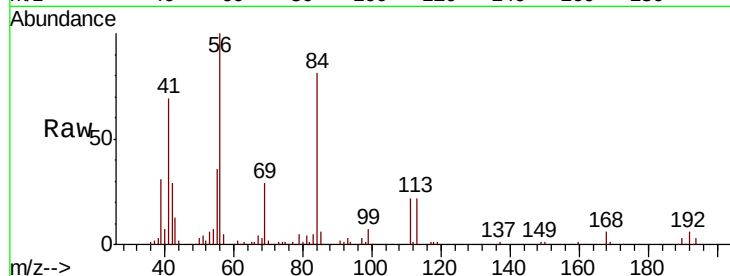
#31
Cyclohexane
Concen: 19.519 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	22.8	34.2
84	81.0	64.9	97.3

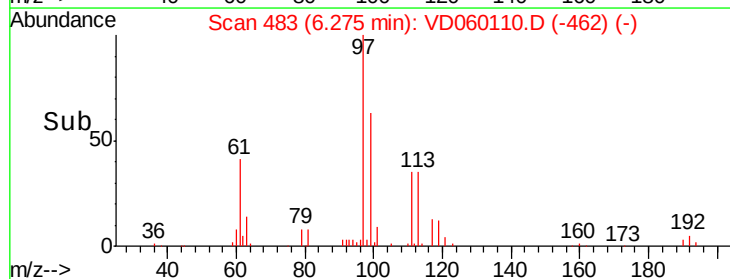
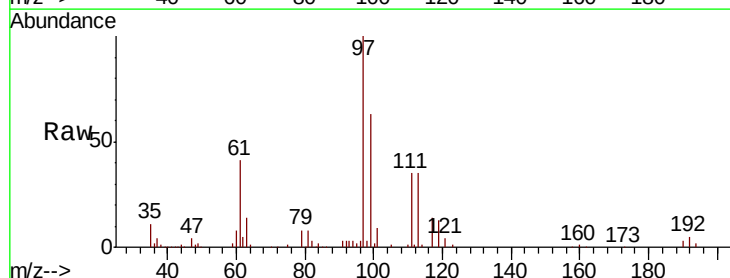
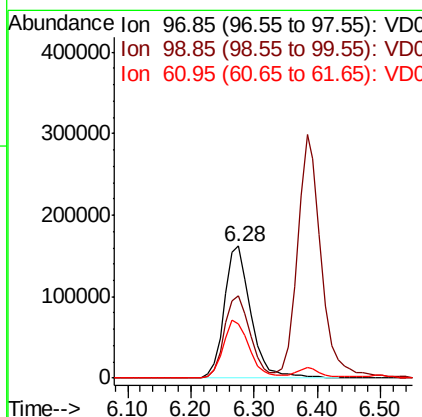
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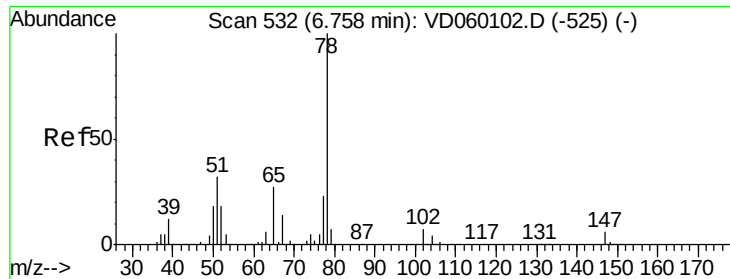
apatel
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#32
1,1,1-Trichloroethane
Concen: 20.158 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.4	77.0
61	41.1	35.5	53.3





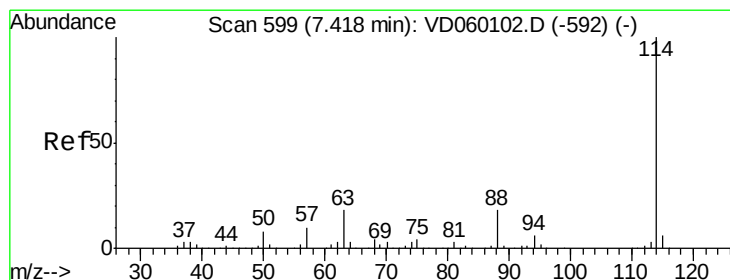
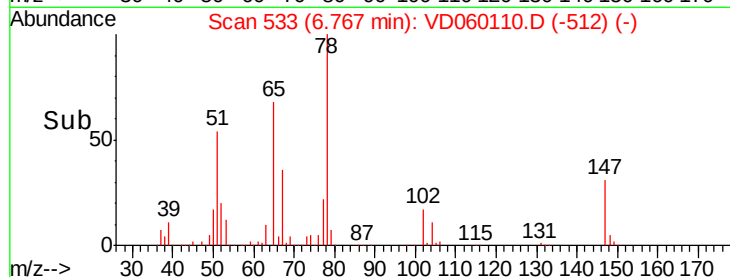
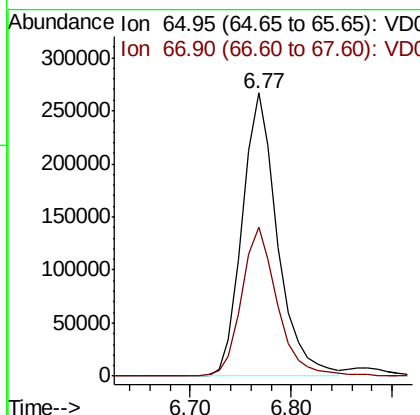
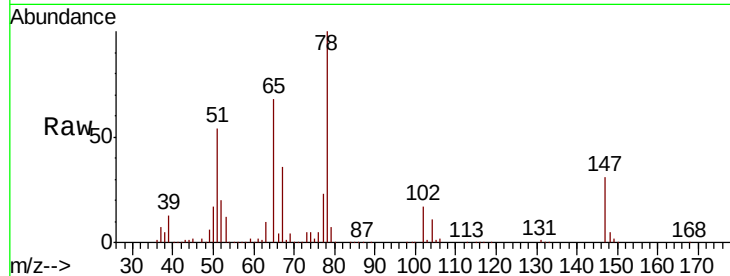
#33
 1,2-Dichloroethane-d4
 Concen: 20.158 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	106.2	

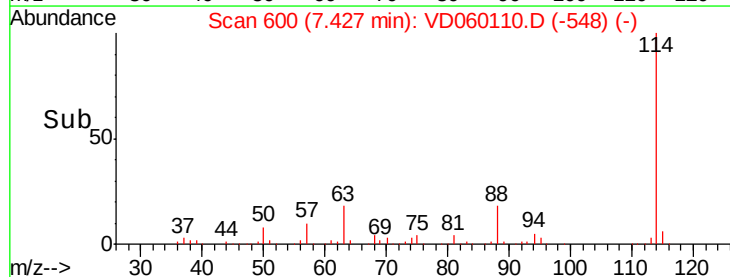
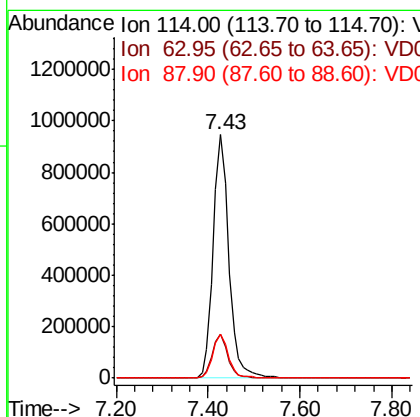
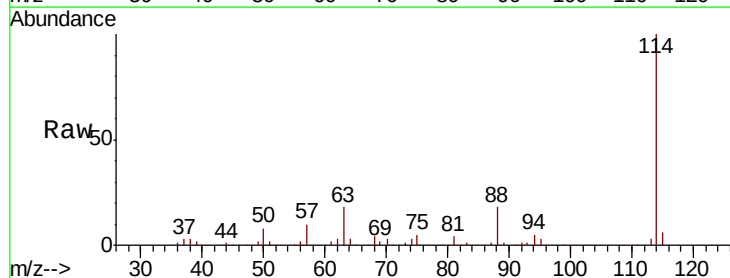
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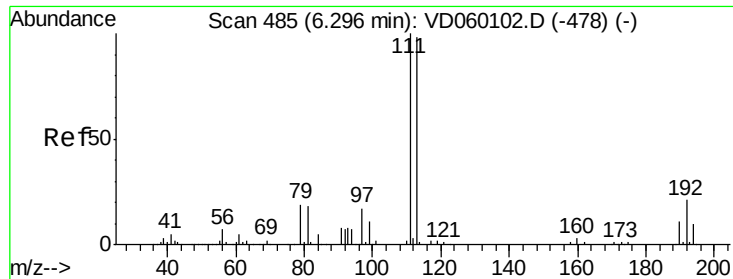
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	36.0	
88	17.9	0.0	36.2	





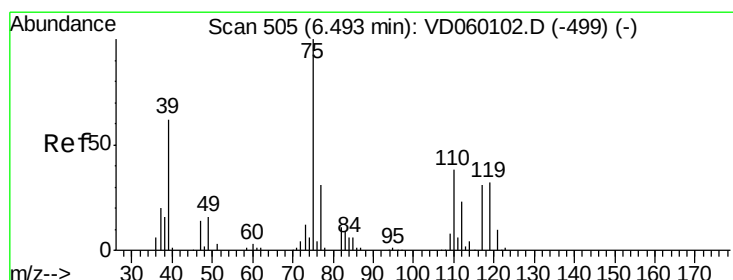
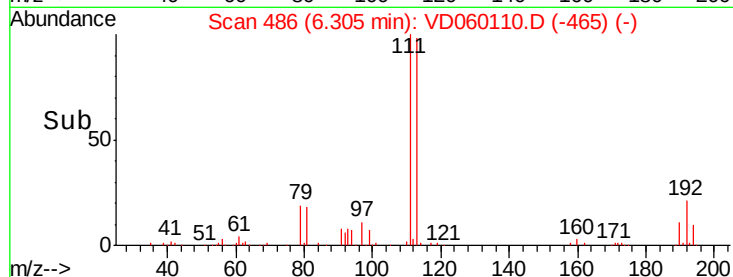
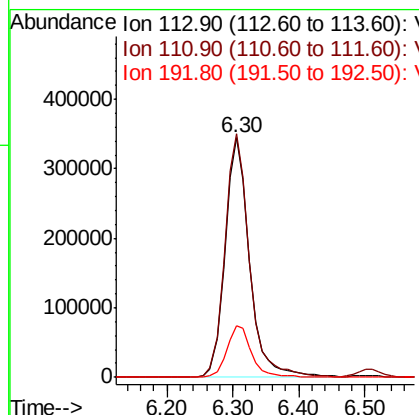
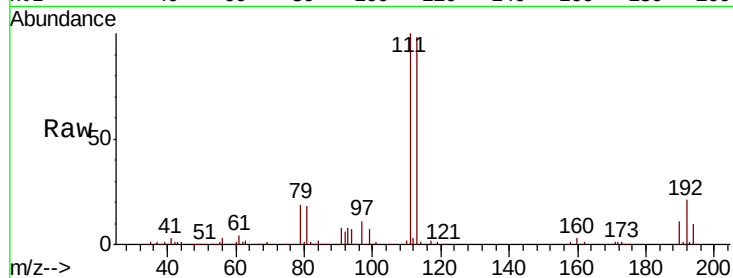
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	894440		
111	101.7	81.5	122.3	
192	21.7	17.4	26.0	

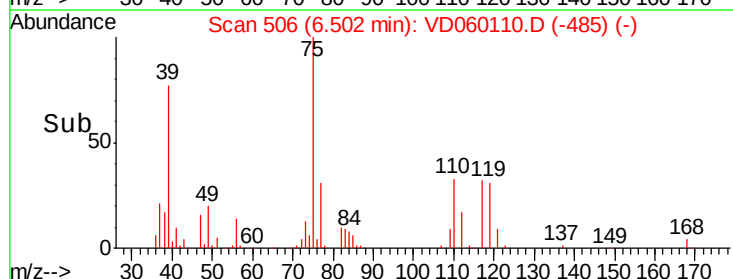
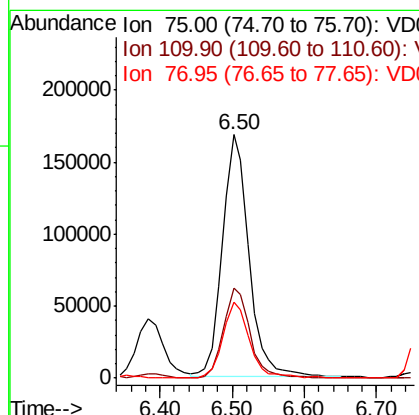
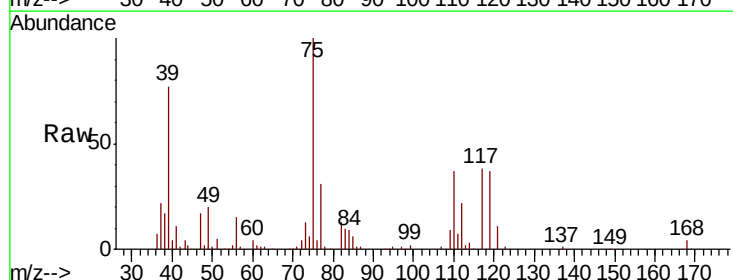
Manual Integrations
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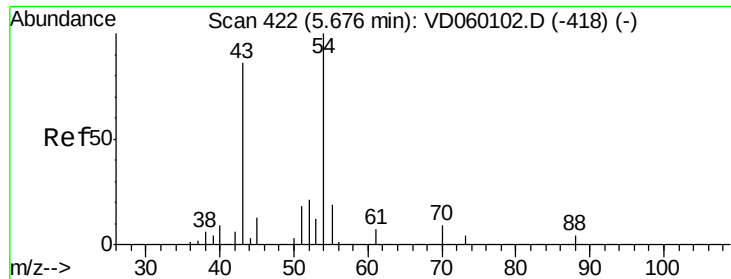
apatel
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#36
1,1-Dichloropropene
Concen: 20.194 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	428100		
110	37.0	19.0	57.0	
77	31.2	24.9	37.3	





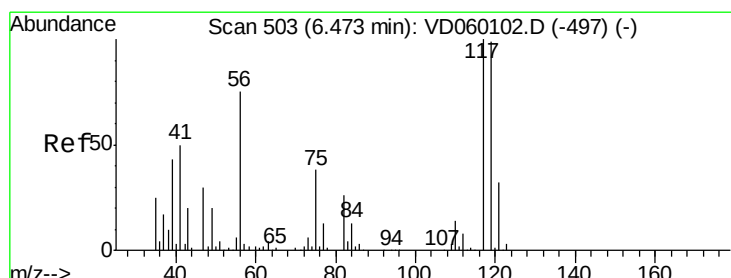
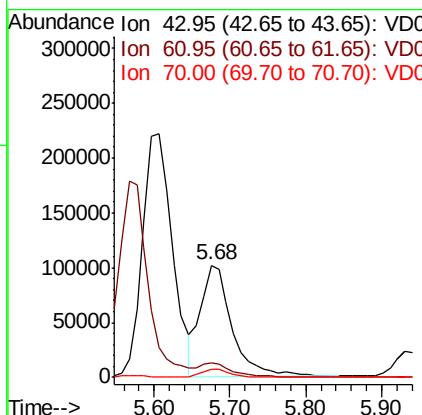
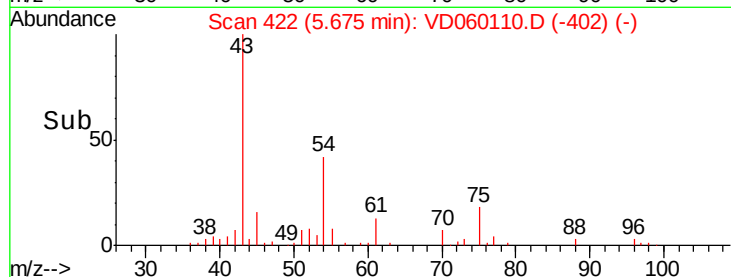
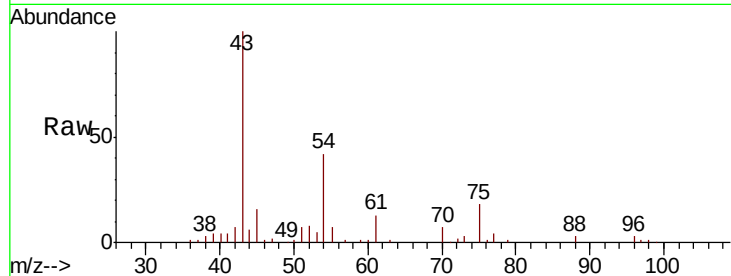
#37
Ethyl Acetate
Concen: 20.969 ug/l
RT: 5.68 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	6.7	6.3	9.5

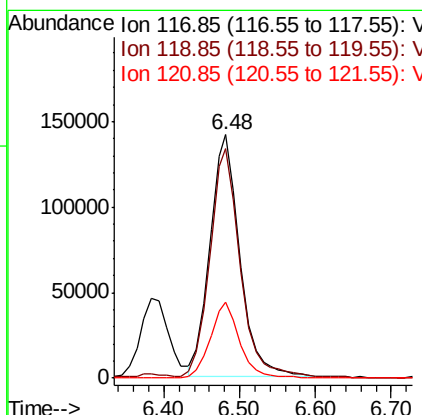
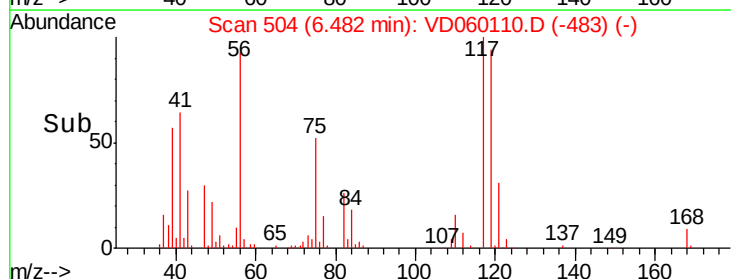
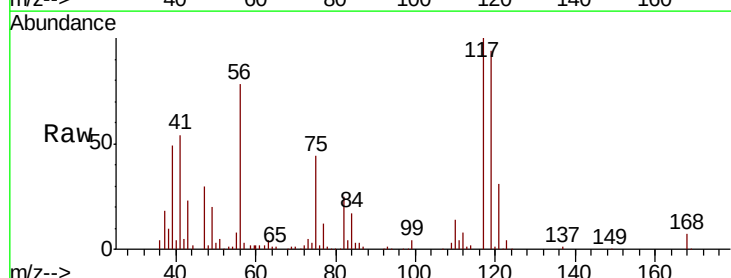
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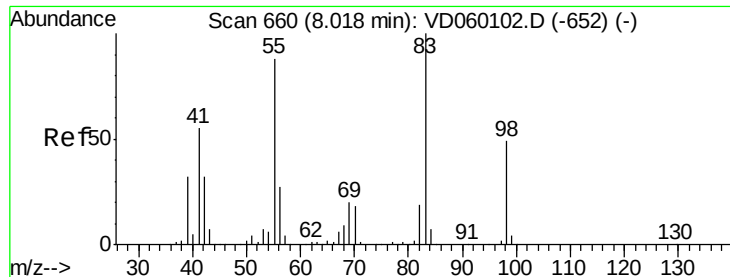
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#38
Carbon Tetrachloride
Concen: 20.270 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.8	116.6
121	31.3	24.8	37.2





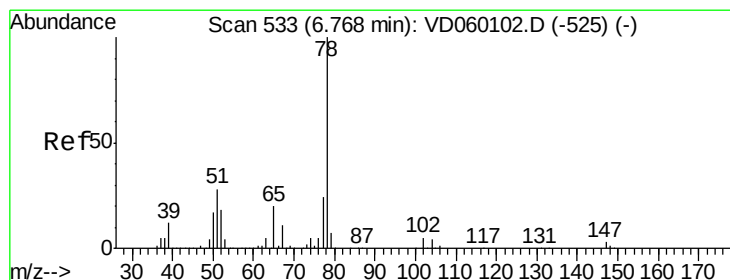
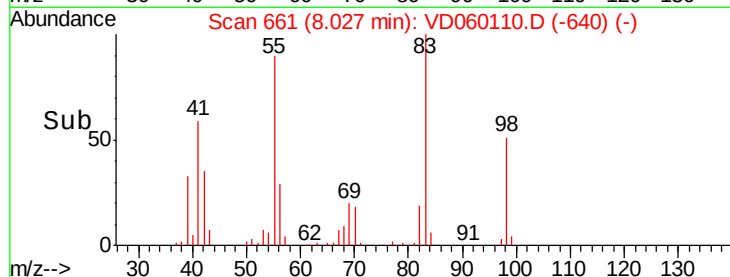
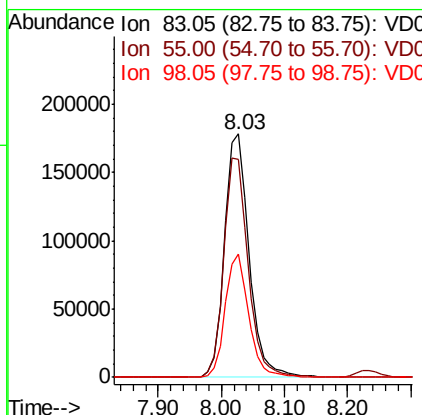
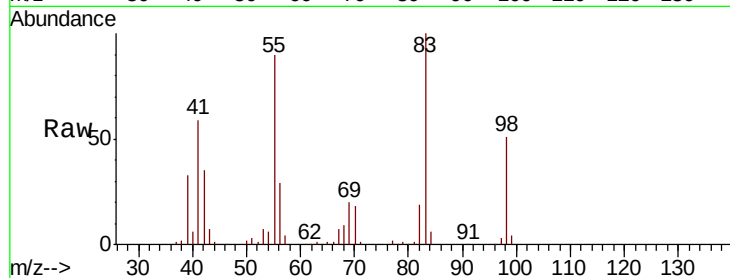
#39
Methylvlcyclohexane
Concen: 19.943 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	83	Resp	480366
Ion Ratio	100	Lower	Upper
83	100		
55	89.7	70.5	105.7
98	50.7	39.4	59.2

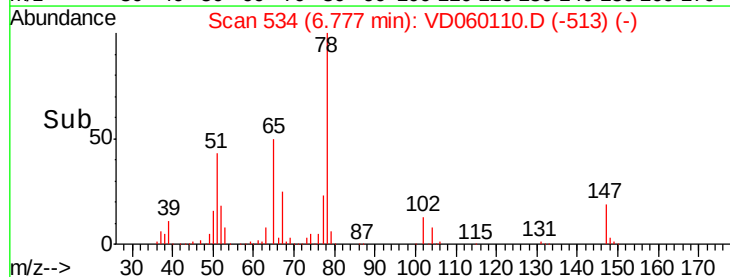
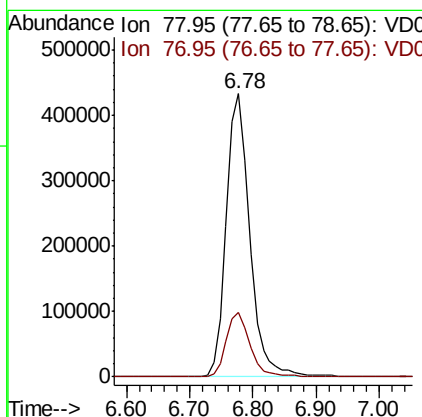
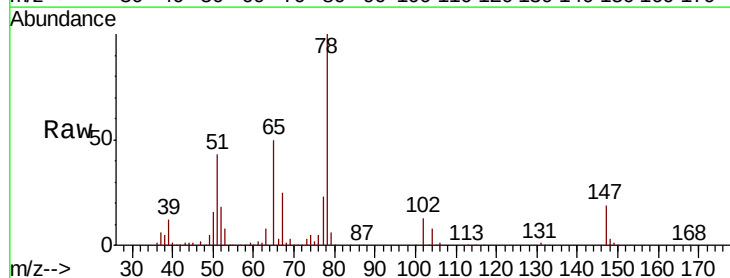
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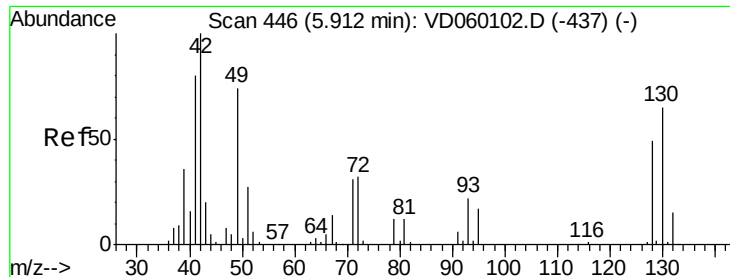
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#40
Benzene
Concen: 20.205 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion	78	Resp	1120569
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	19.0	28.4





#41

Methacrylonitrile

Concen: 21.815 ug/l m

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tot Ion: 41 Resp: 173497

Ion Ratio Lower Upper

41 100

39 48.1 36.0 54.0

67 18.6 13.9 20.9

52 7.5 6.1 9.1

Instrument :

MSVOA_D

ClientSampleId :

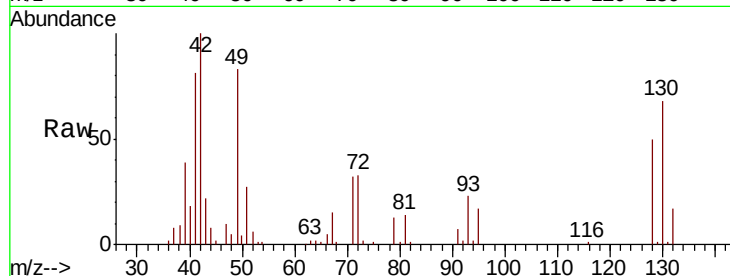
VD1002SBS01

Manual Integrations

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apatel

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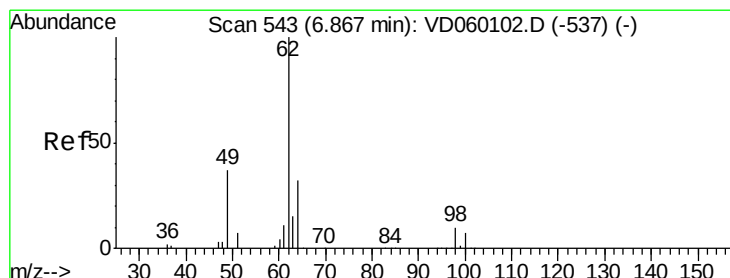
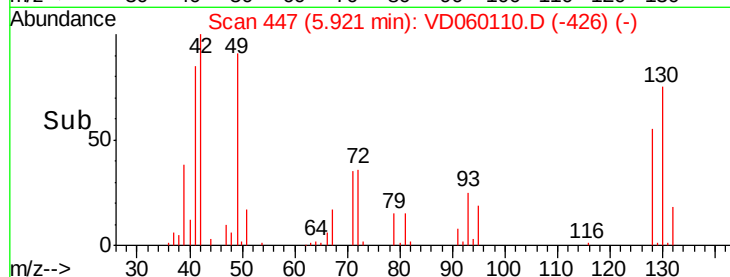
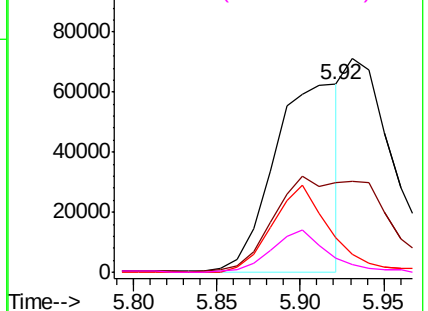


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.247 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060110.D

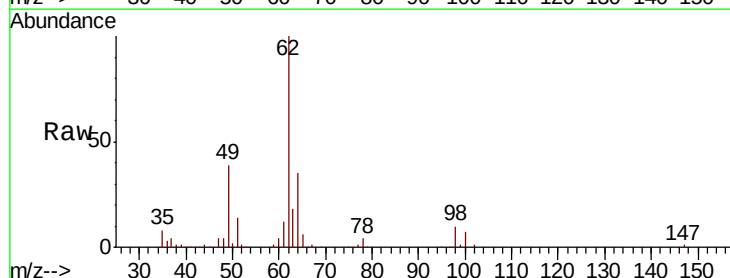
Acq: 2 Oct 2018 12:23

Tgt Ion: 62 Resp: 321934

Ion Ratio Lower Upper

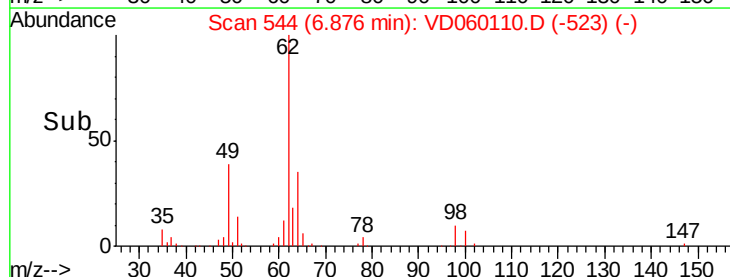
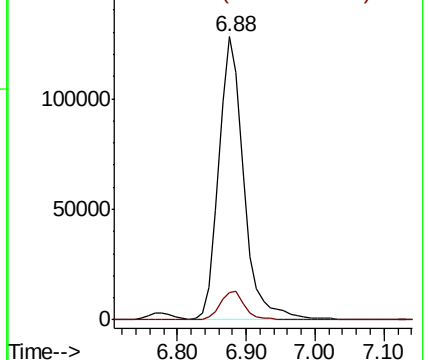
62 100

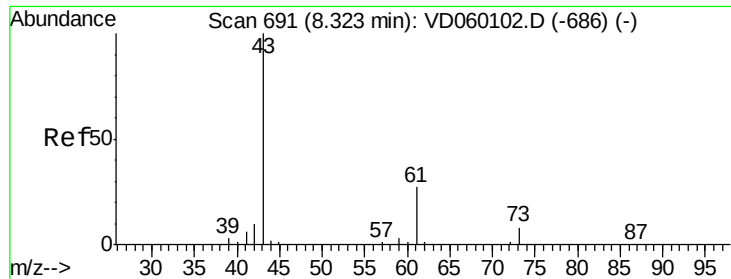
98 9.8 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





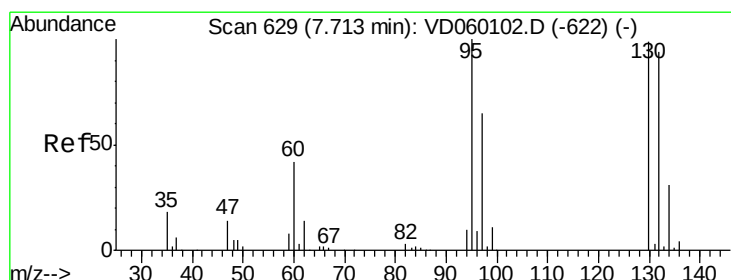
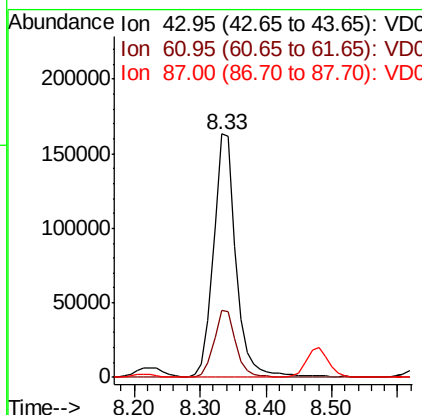
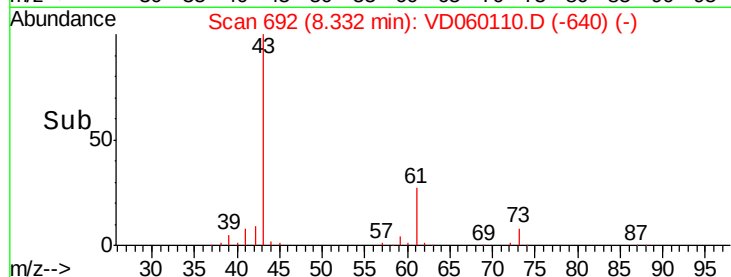
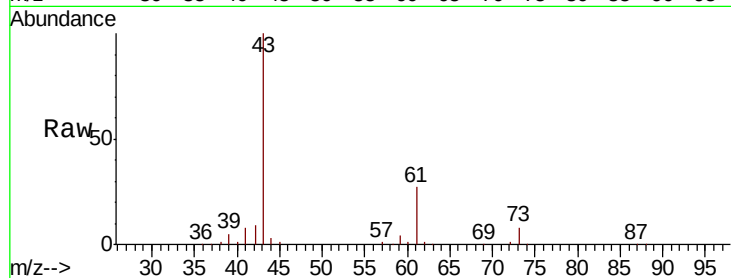
#43
Isopropyl Acetate
Concen: 20.471 ug/l
RT: 8.33 min Scan# 692
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.4	32.2
87	0.2	0.2	0.2

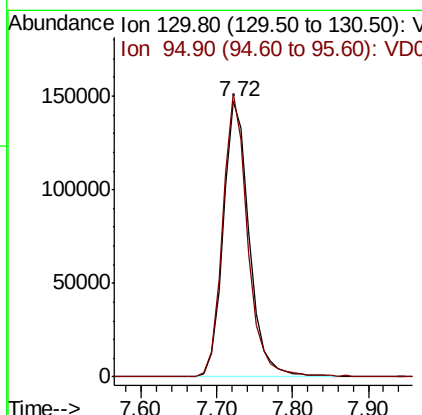
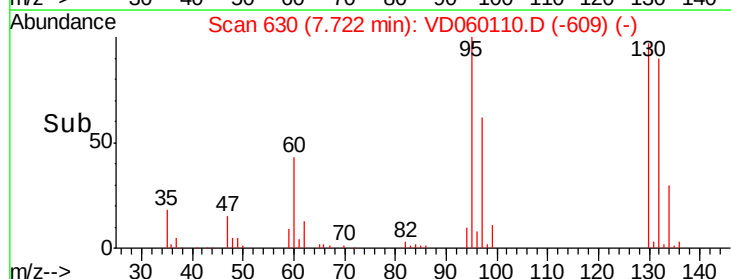
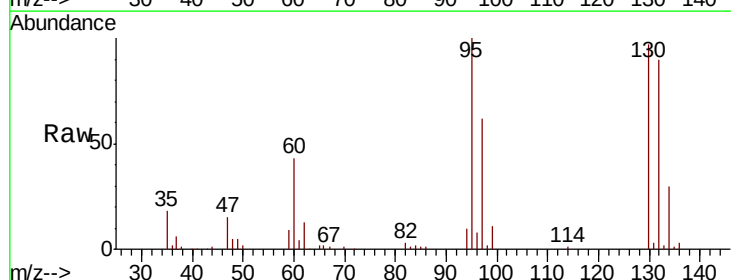
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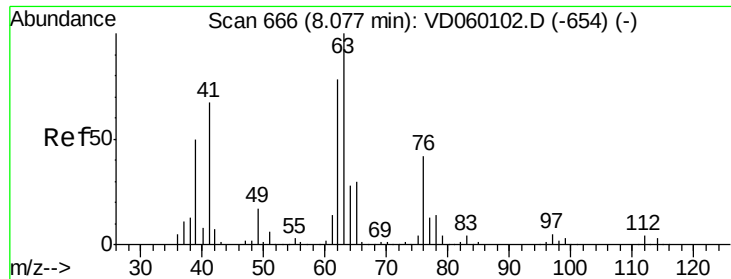
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#44
Trichloroethene
Concen: 20.297 ug/l
RT: 7.72 min Scan# 630
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	202.2





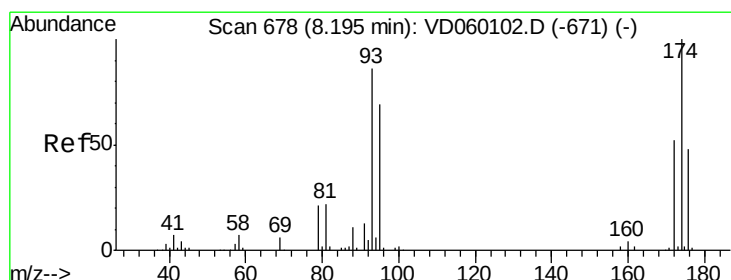
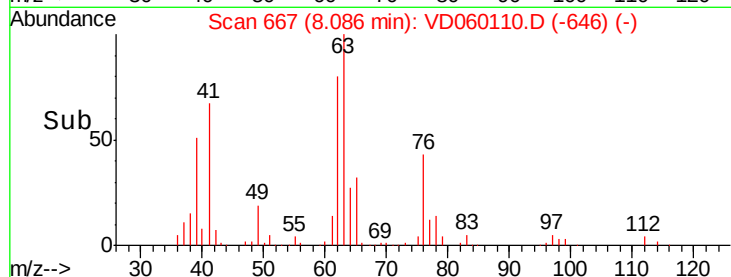
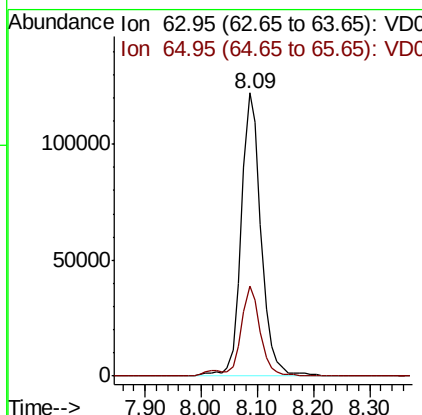
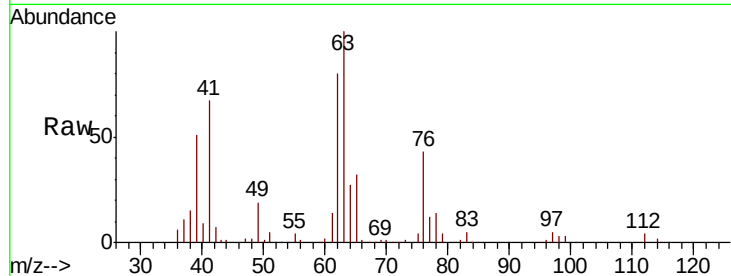
#45
 1,2-Dichloropropane
 Concen: 20.626 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion: 63 Resp: 299531
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.1 36.1

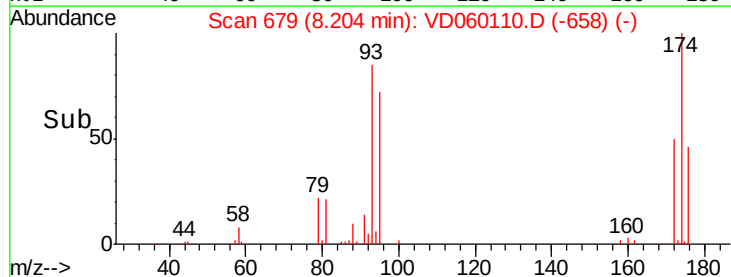
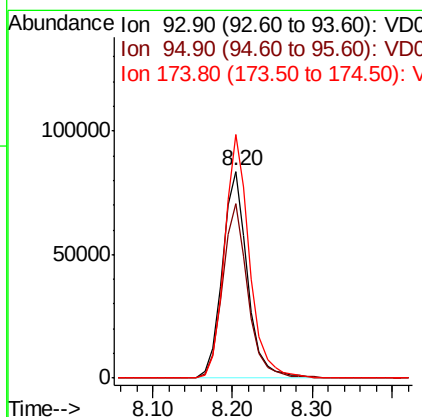
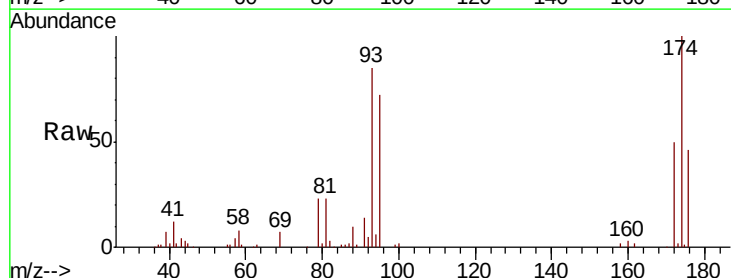
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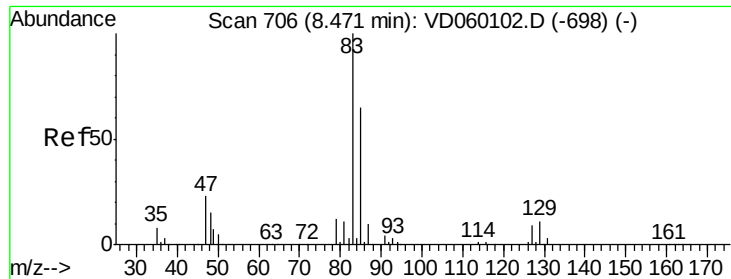
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#46
 Dibromomethane
 Concen: 19.709 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion: 93 Resp: 185298
 Ion Ratio Lower Upper
 93 100
 95 84.2 63.8 95.6
 174 117.8 92.9 139.3





#47

Bromodichloromethane

Concen: 20.446 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

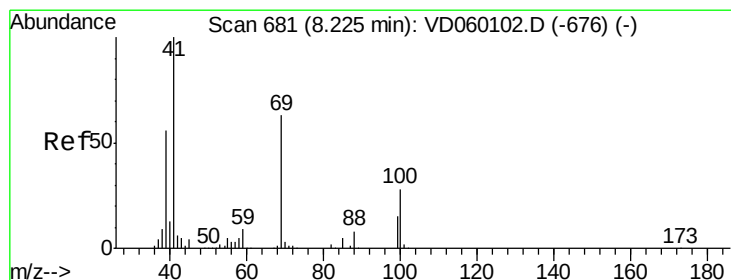
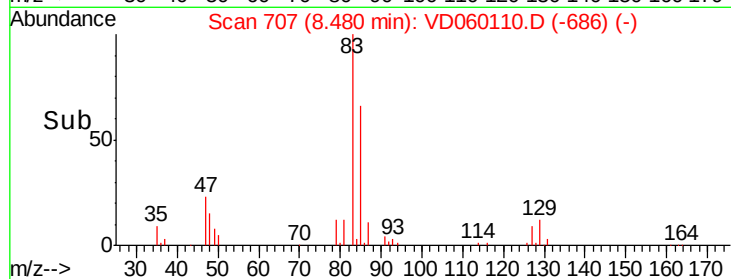
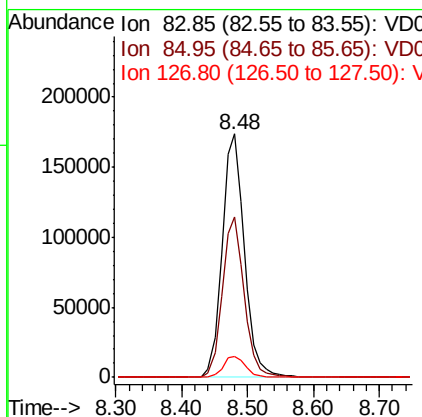
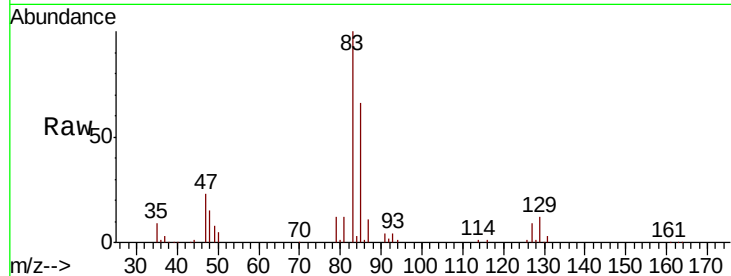
ClientSampleId :

VD1002SBS01

Tot Ion:	83	Resp:	409578
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.2
127	8.6	7.4	11.0

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#48

Methyl methacrylate

Concen: 19.974 ug/l

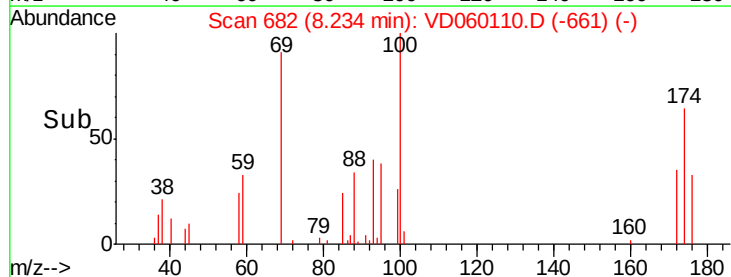
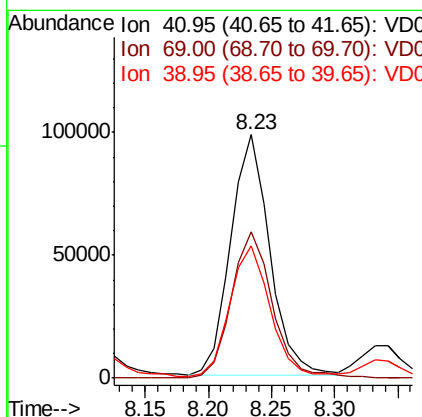
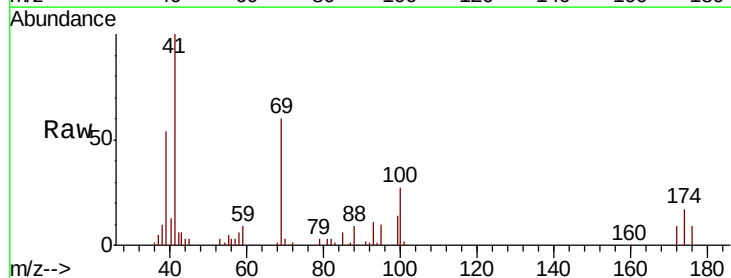
RT: 8.23 min Scan# 682

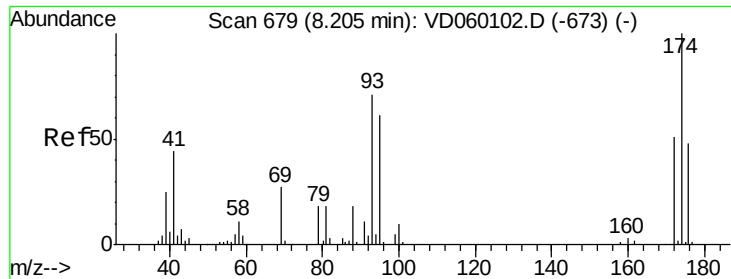
Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion:	41	Resp:	210619
Ion	Ratio	Lower	Upper
41	100		
69	60.4	49.7	74.5
39	54.3	45.2	67.8





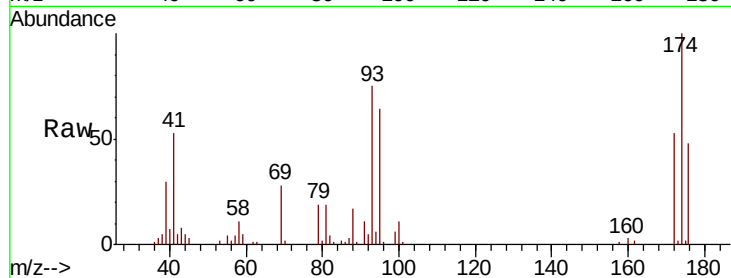
#49
1,4-Dioxane
Concen: 398.067 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

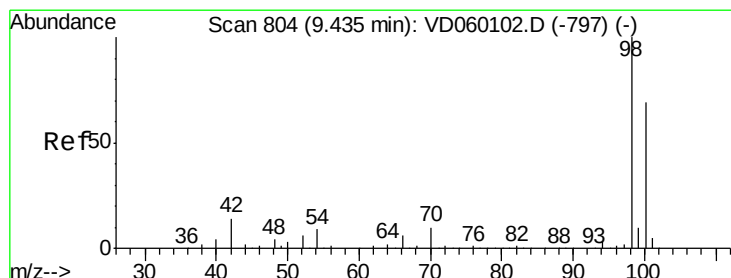
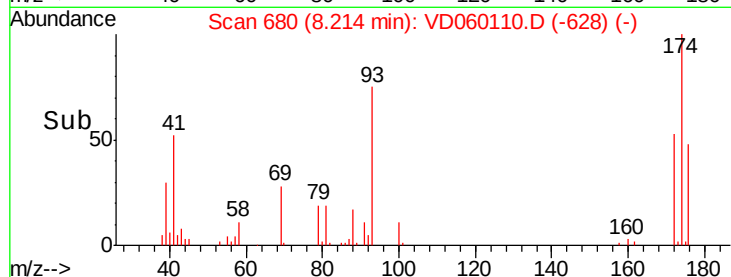
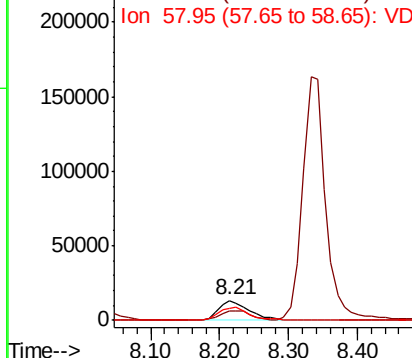
Tot Ion	88	Resp	41300
Ion	Ratio	Lower	Upper
88	100		
43	47.2	33.7	50.5
58	60.6	49.1	73.7

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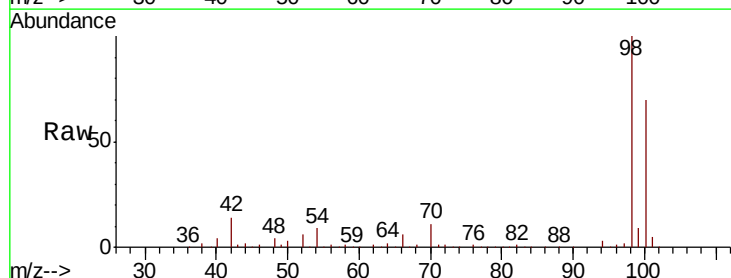


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

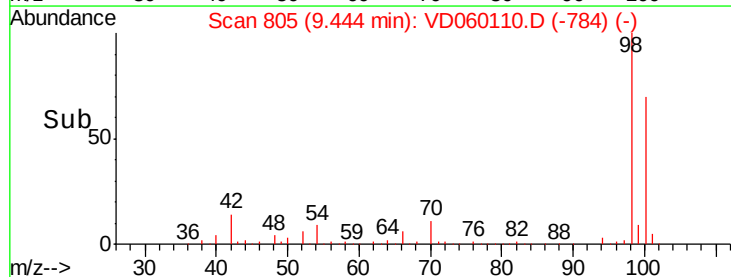
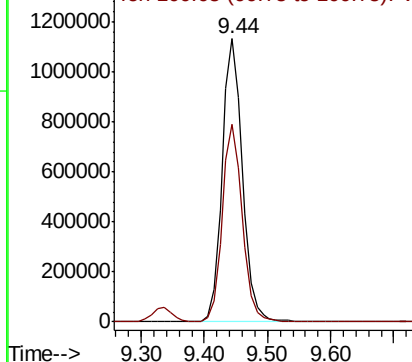


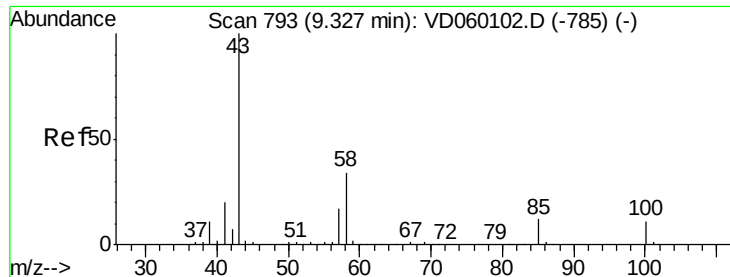
#50
Toluene-d8
Concen: 398.067 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion	98	Resp	2529165
Ion	Ratio	Lower	Upper
98	100		
100	69.8	55.4	83.0



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





#51

4-Methyl-2-Pentanone

Concen: 106.277 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 43 Resp: 1240892

Ion Ratio Lower Upper

43 100

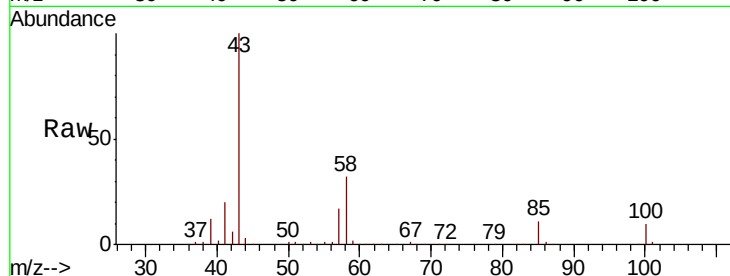
58 32.3 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

600000

500000

400000

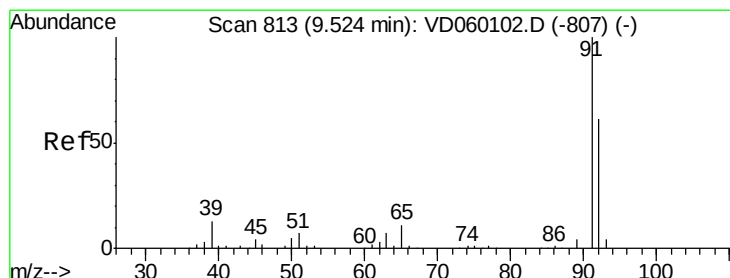
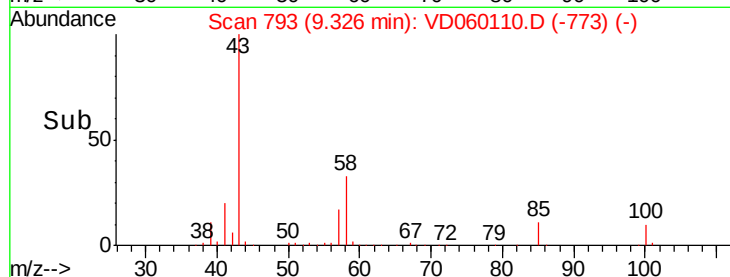
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.780 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060110.D

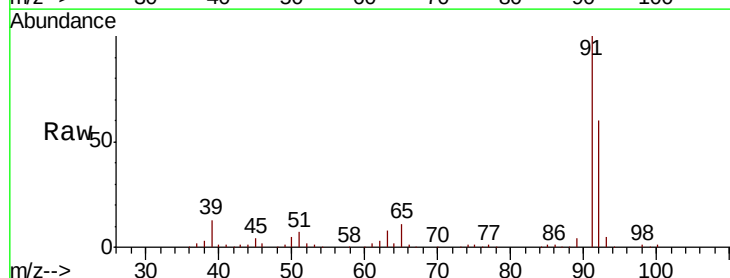
Acq: 2 Oct 2018 12:23

Tgt Ion: 92 Resp: 742223

Ion Ratio Lower Upper

92 100

91 167.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

600000

500000

400000

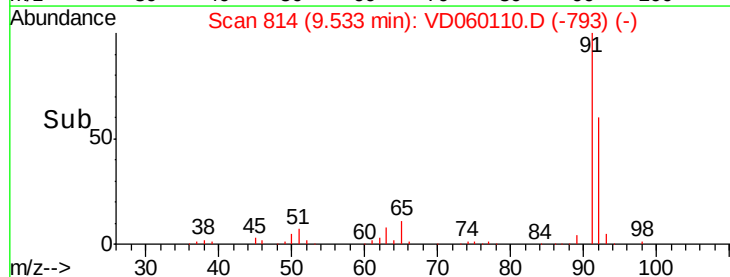
300000

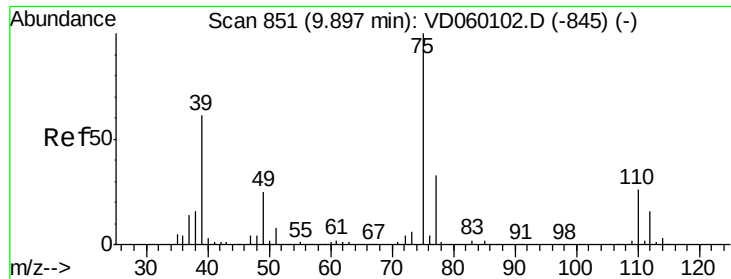
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.415 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tot Ion: 75 Resp: 370038

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

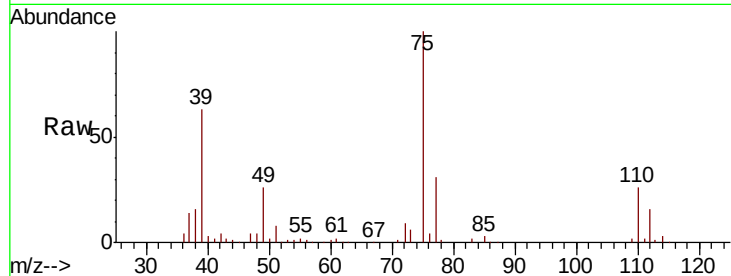
VD1002SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

200000

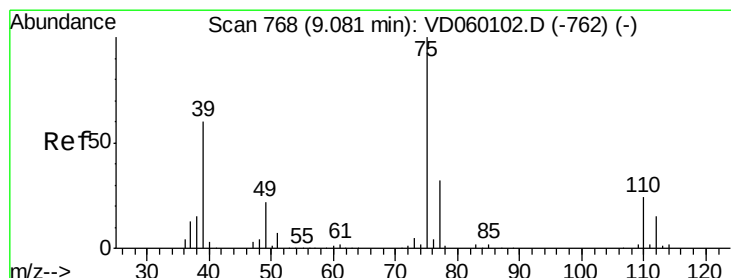
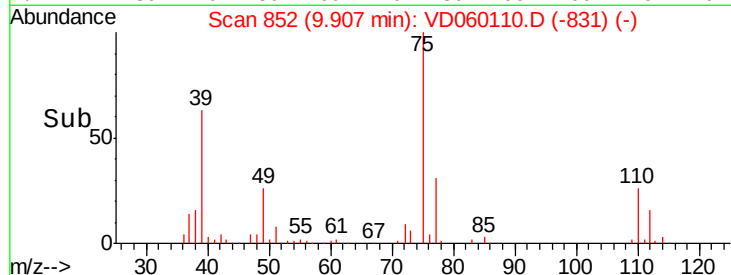
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.196 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

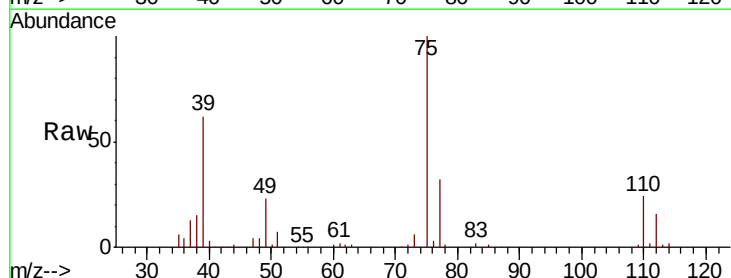
Tgt Ion: 75 Resp: 452055

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 61.7 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.09

250000

200000

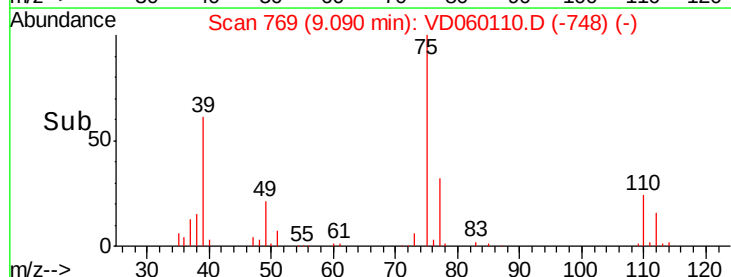
150000

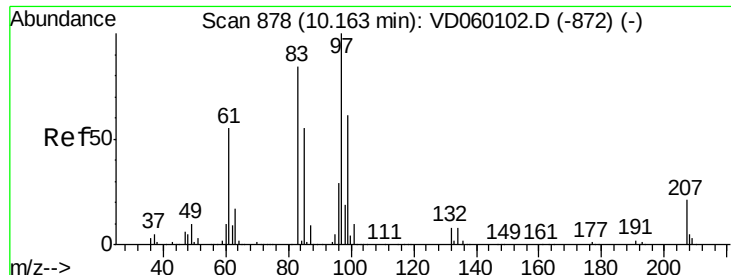
100000

50000

0

Time-->





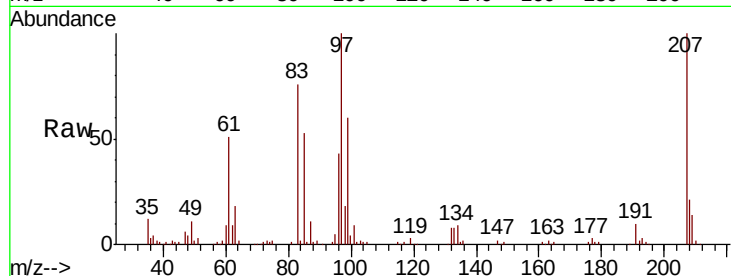
#55
 1,1,2-Trichloroethane
 Concen: 20.257 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

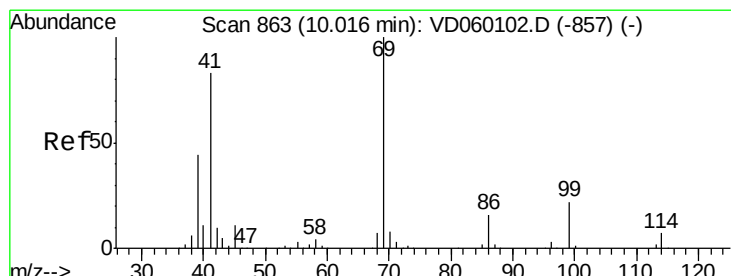
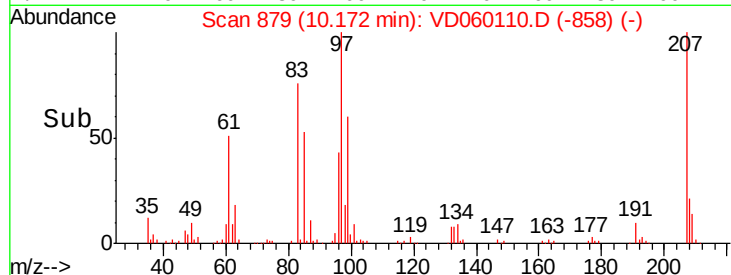
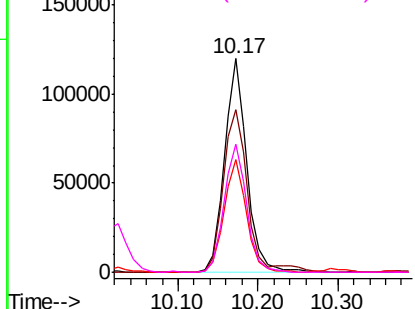
Tot Ion	97	Resp	236536
Ion Ratio	Lower	Upper	
97	100		
83	76.3	67.0	100.6
85	52.9	43.9	65.9
99	59.6	49.1	73.7

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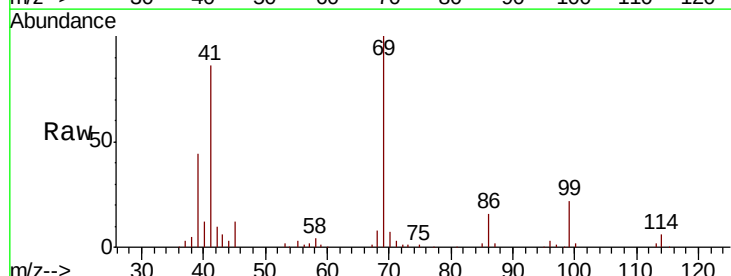


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

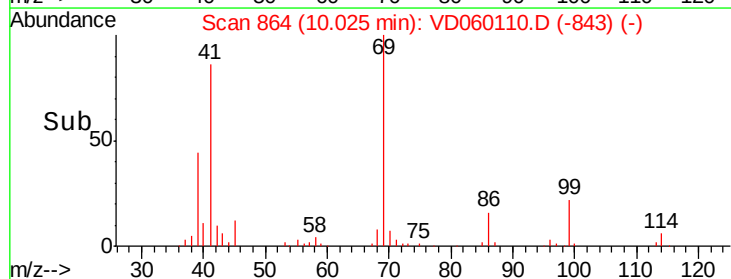
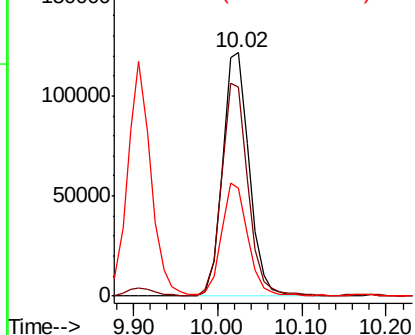


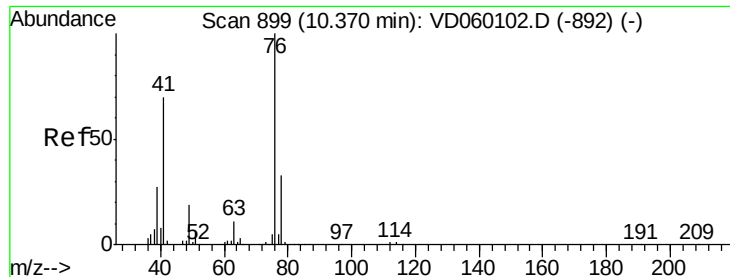
#56
 Ethyl methacrylate
 Concen: 20.561 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion	69	Resp	265014
Ion Ratio	Lower	Upper	
69	100		
41	86.0	66.6	100.0
39	44.1	36.0	54.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





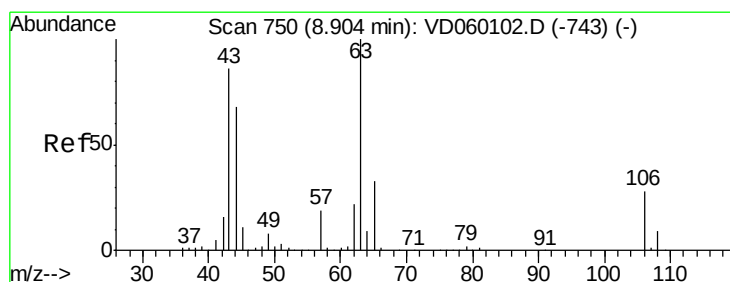
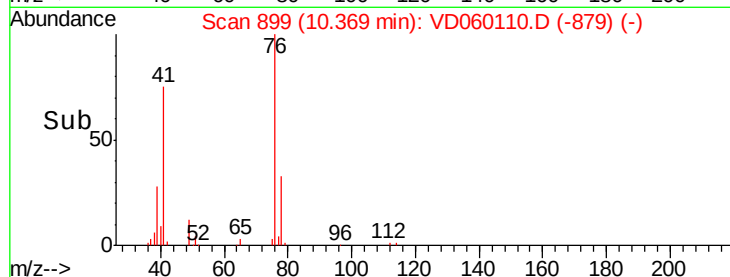
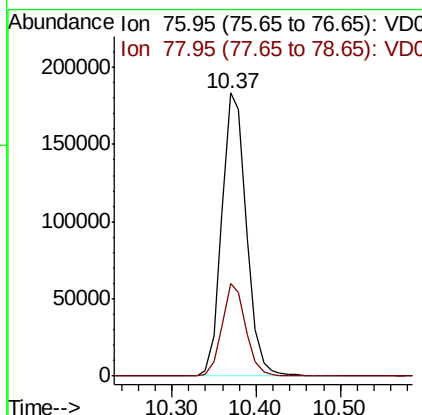
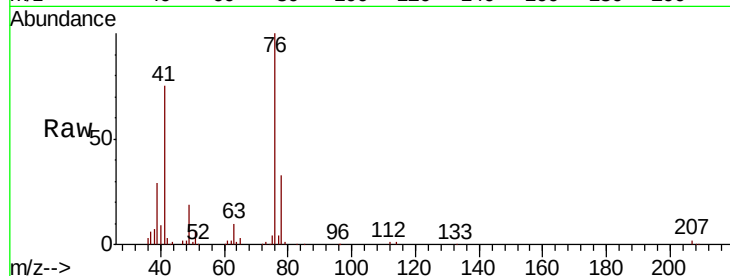
#57
 1,3-Dichloropropane
 Concen: 20.774 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion: 76 Resp: 369949
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2

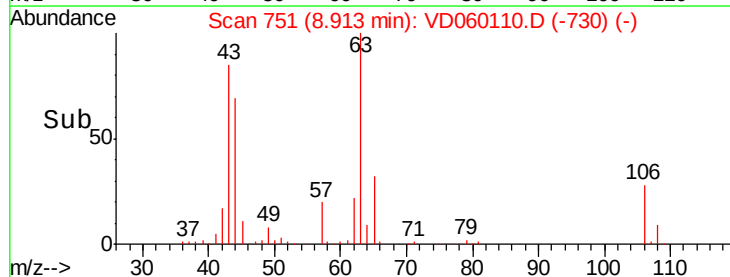
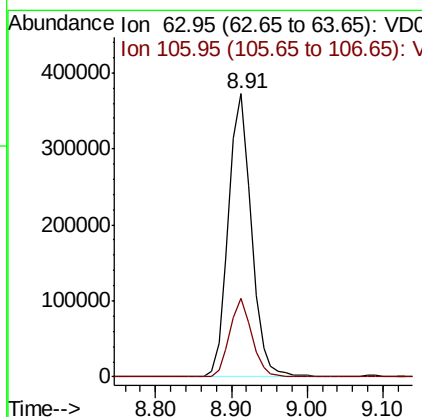
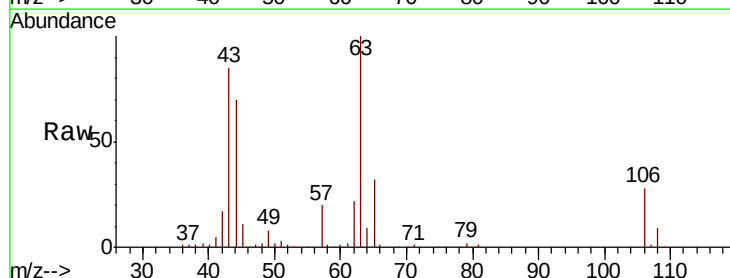
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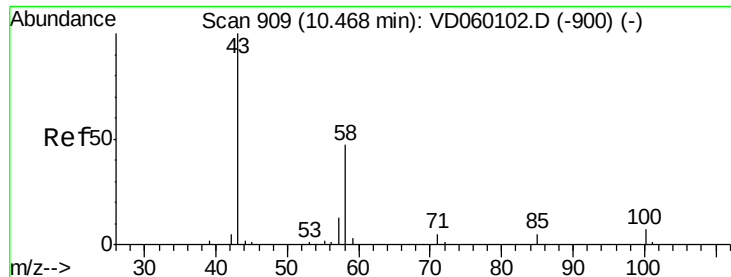
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.391 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion: 63 Resp: 782976
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.6 34.0





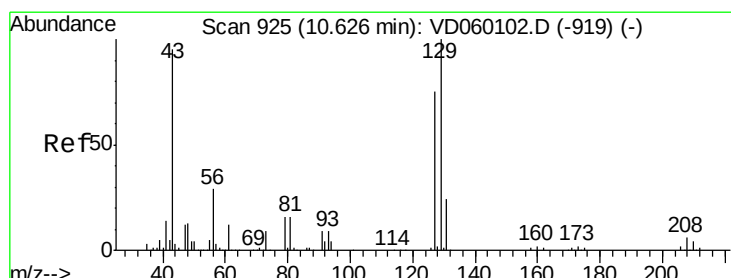
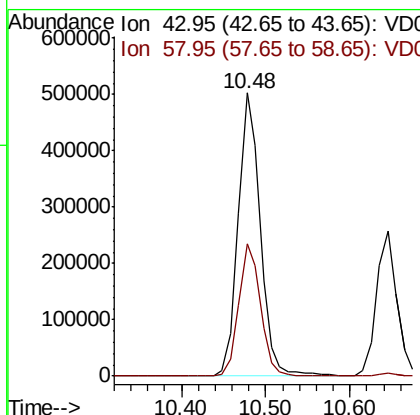
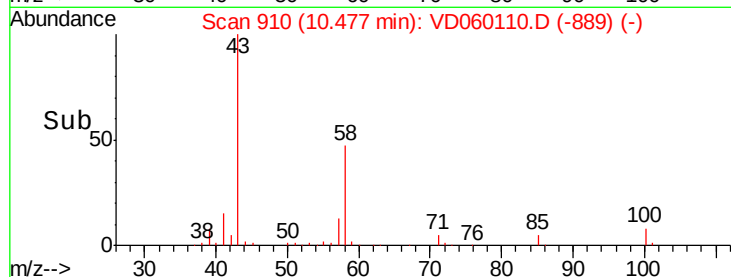
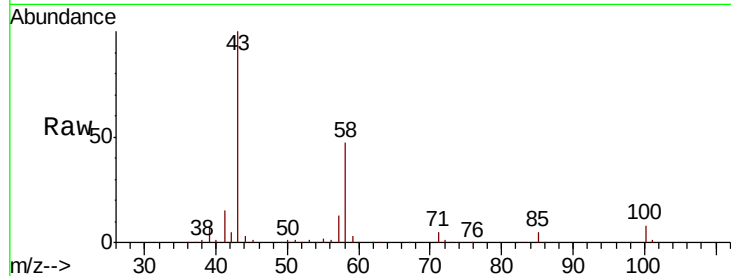
#59
2-Hexanone
Concen: 109.960 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 43 Resp: 923230
Ion Ratio Lower Upper
43 100
58 46.8 23.3 69.9

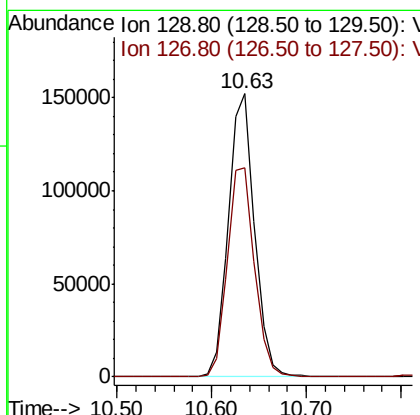
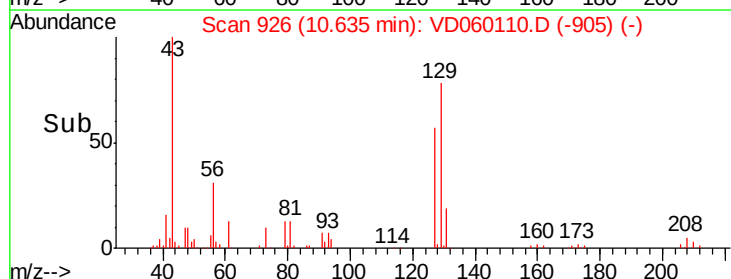
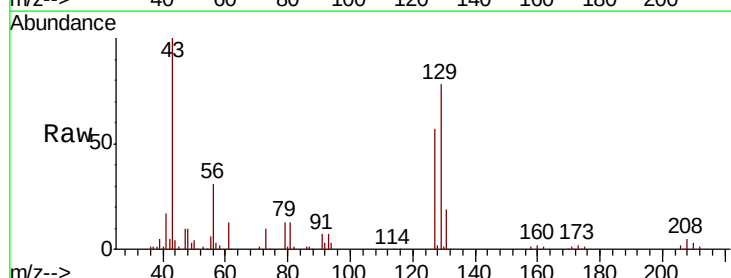
Manual Integrations
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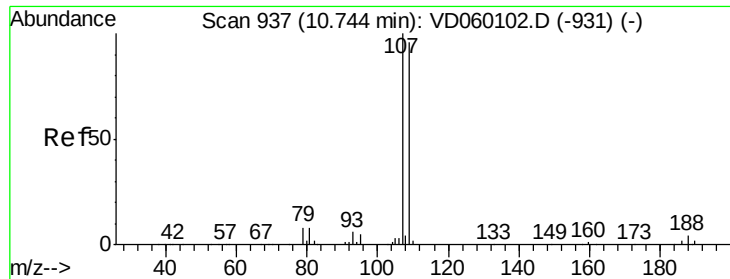
apatel
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#60
Dibromochloromethane
Concen: 20.244 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 129 Resp: 290025
Ion Ratio Lower Upper
129 100
127 73.8 37.4 112.2





#61

1,2-Dibromoethane

Concen: 20.160 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion:107 Resp: 250115

Ion Ratio Lower Upper

107 100

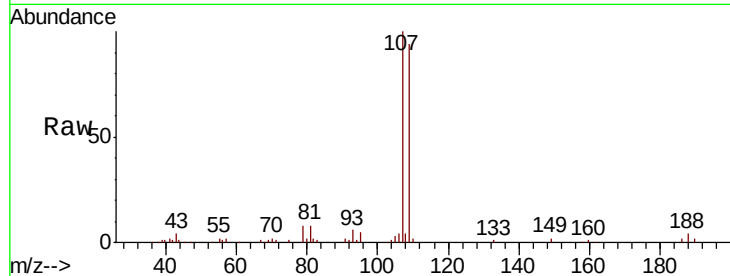
109 93.5 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

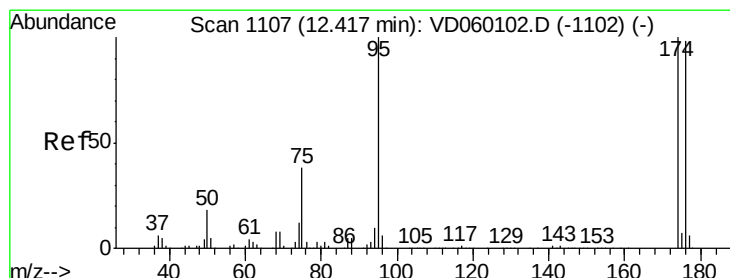
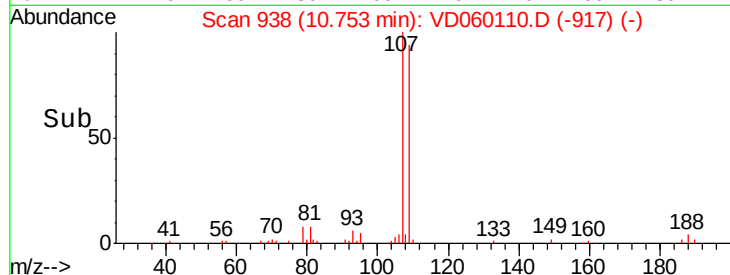
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.160 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

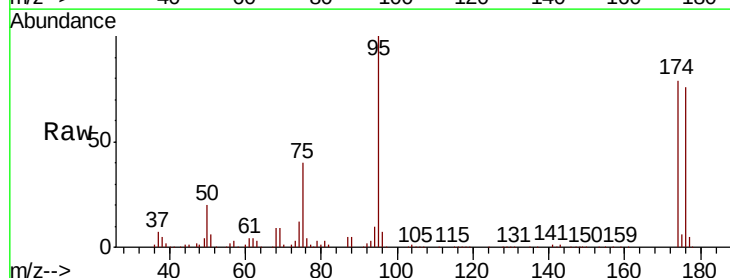
Tgt Ion: 95 Resp: 949273

Ion Ratio Lower Upper

95 100

174 79.2 0.0 200.2

176 75.5 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

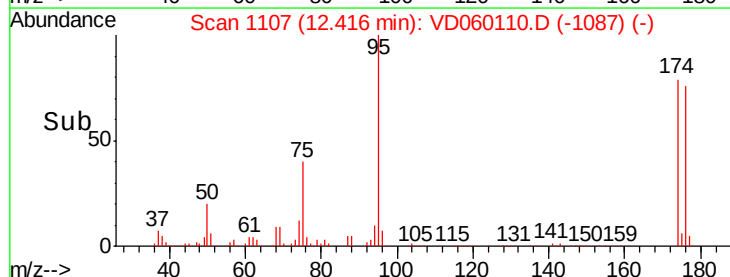
600000

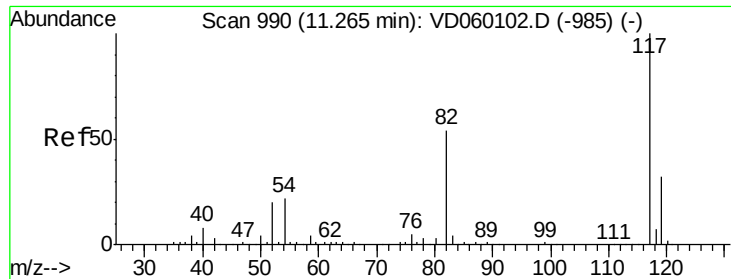
400000

200000

0

Time-->





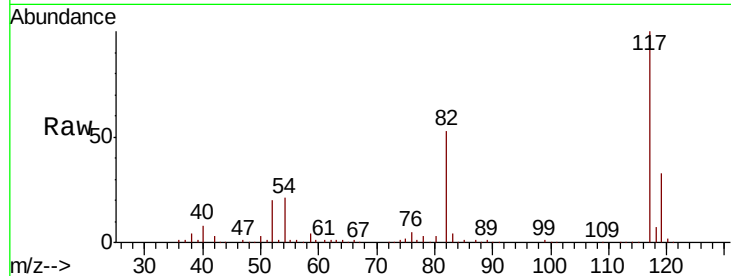
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.2
119	33.0	26.0	39.0

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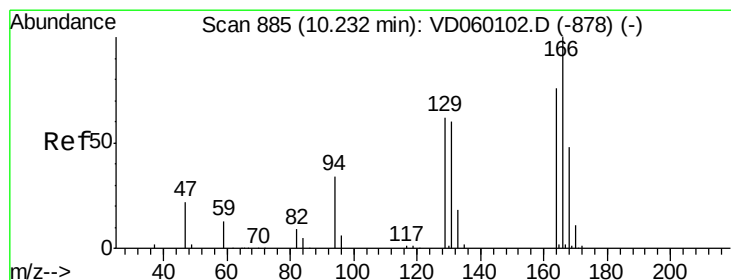
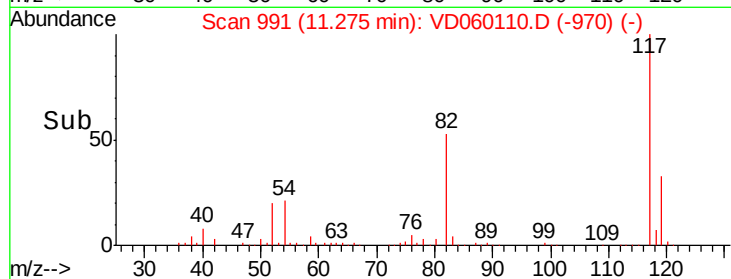
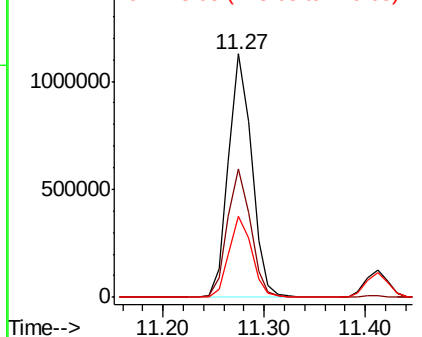


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 20.323 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	105.4	158.0
129	81.2	65.7	98.5
131	77.0	62.9	94.3

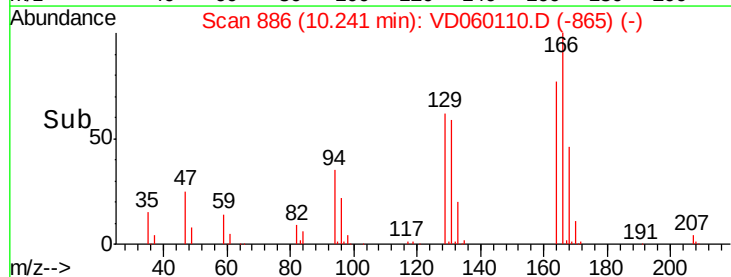
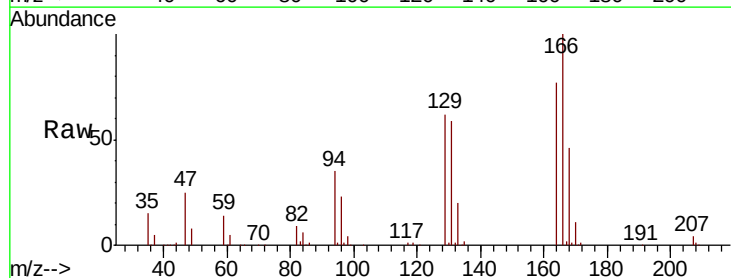
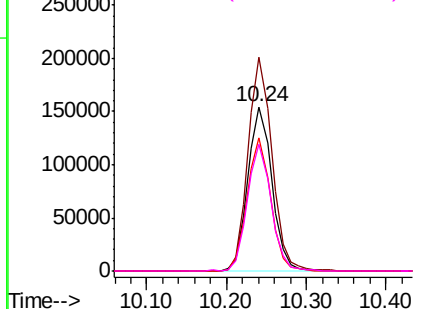
Abundance

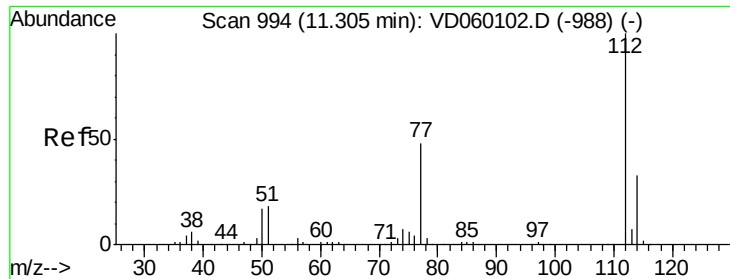
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





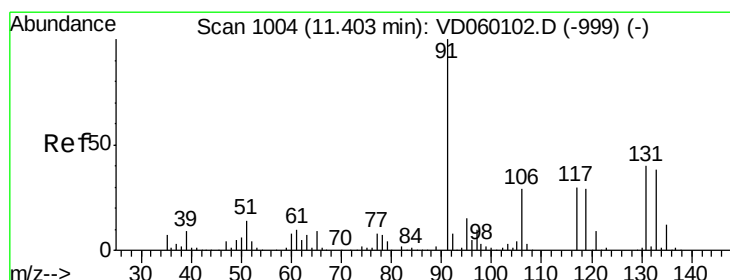
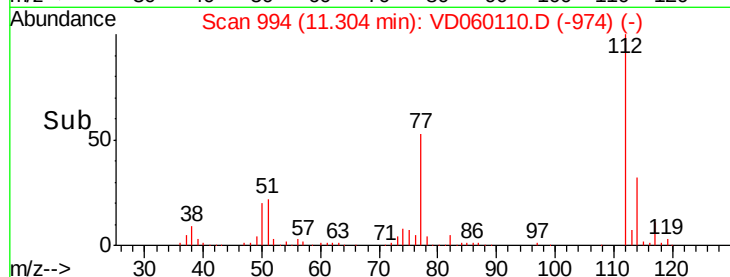
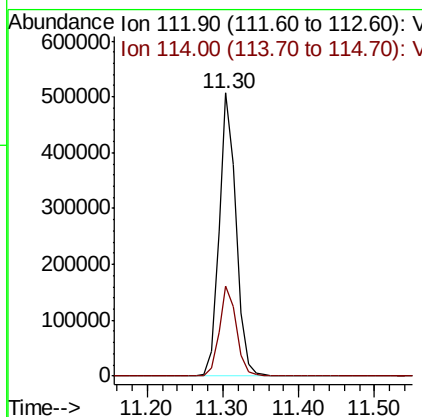
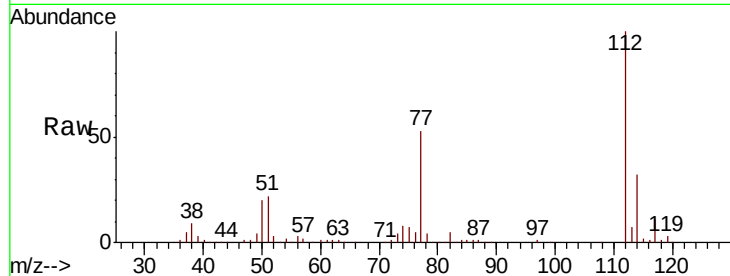
#65
Chlorobenzene
Concen: 20.336 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion:112 Resp: 794616
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

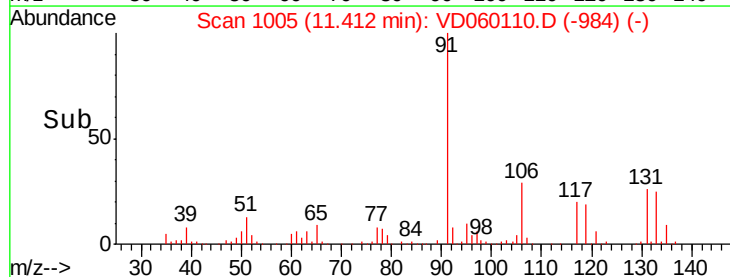
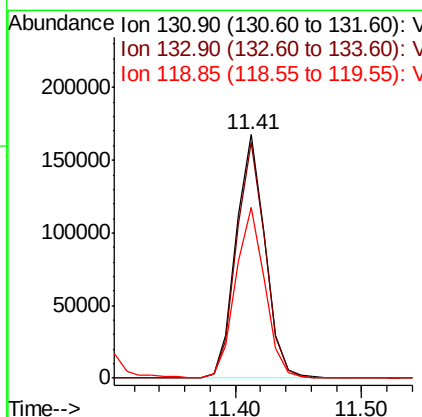
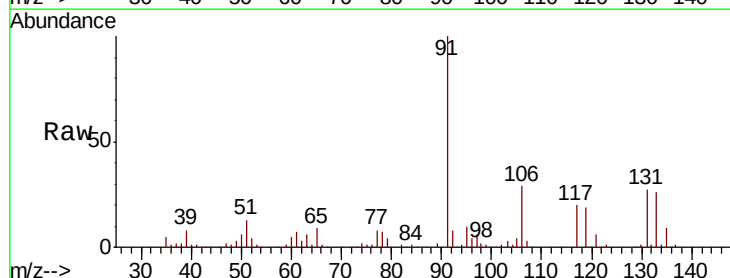
Manual Integrations
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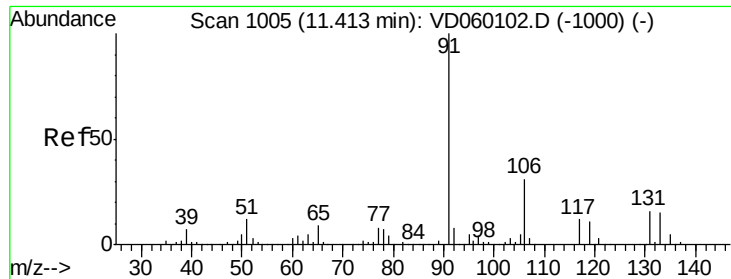
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.340 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion:131 Resp: 265130
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.3
119 70.1 36.1 108.3





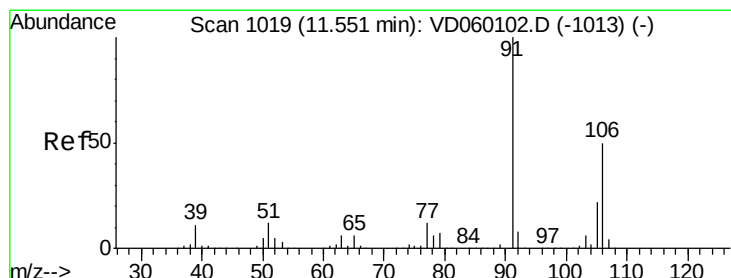
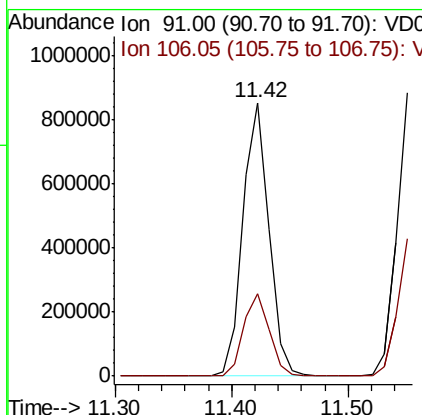
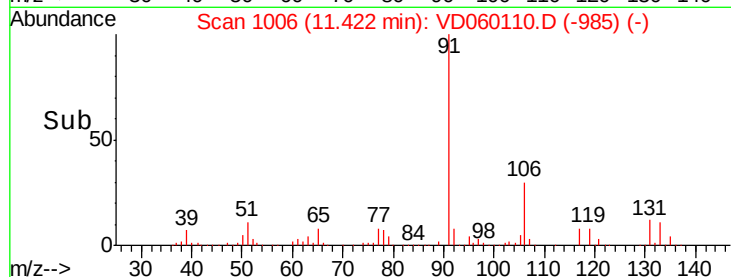
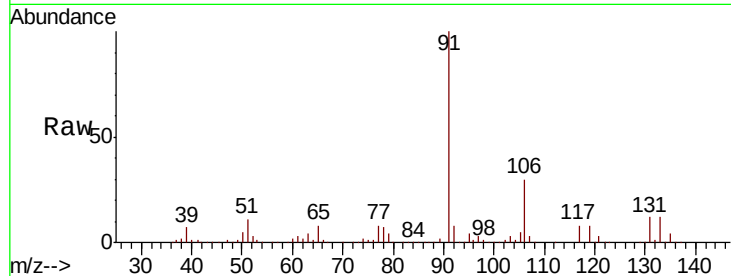
#67
Ethyl Benzene
Concen: 20.895 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 91 Resp: 1322788
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6

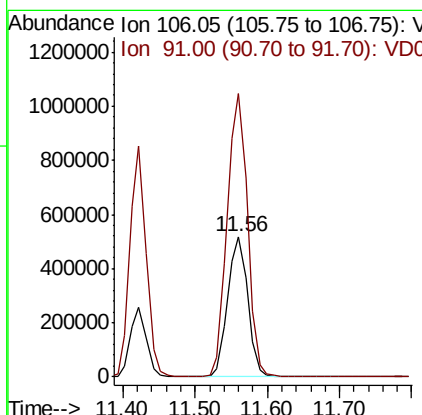
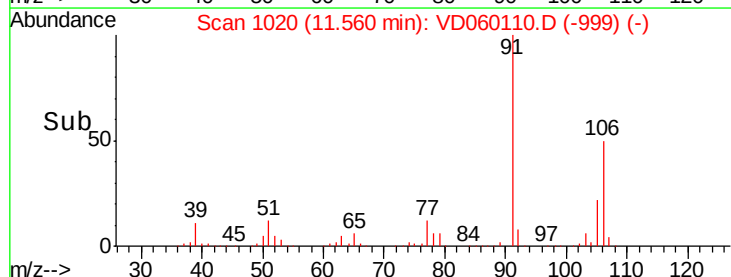
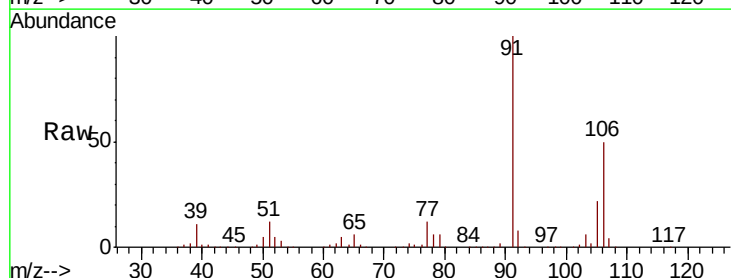
Manual Integrations
APPROVED

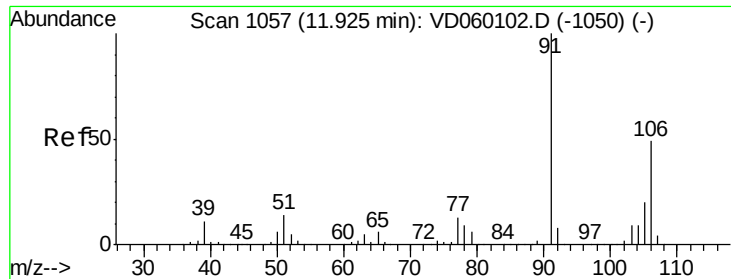
apatel
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#68
m/p-Xylenes
Concen: 42.515 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 106 Resp: 1005637
Ion Ratio Lower Upper
106 100
91 201.5 160.0 240.0





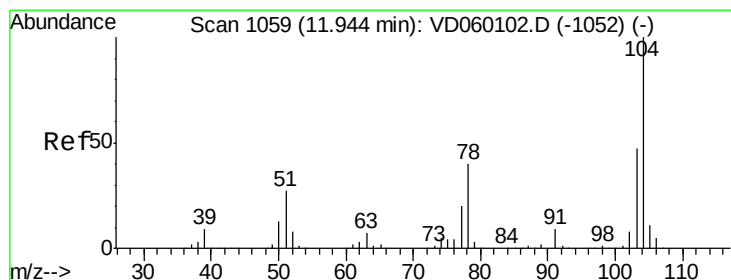
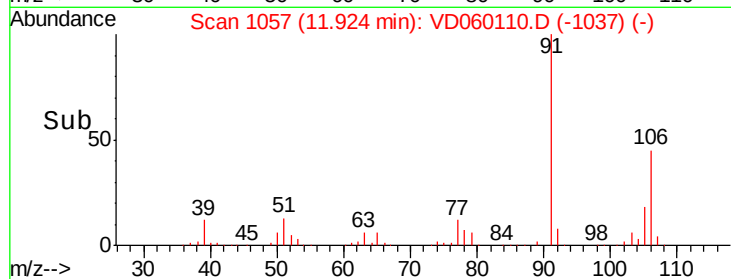
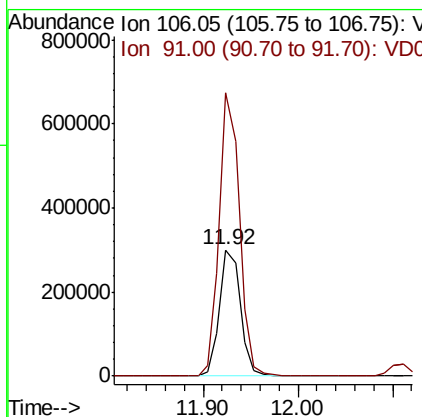
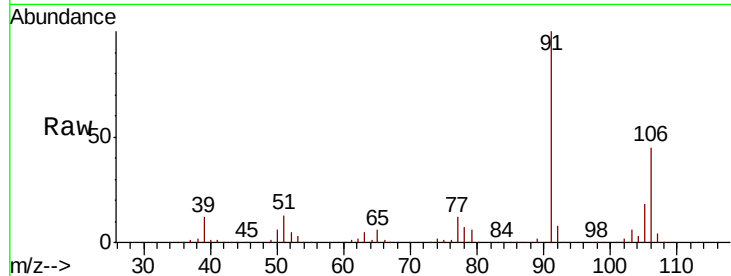
#69
o-Xylene
Concen: 19.792 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion:106 Resp: 463075
Ion Ratio Lower Upper
106 100
91 224.1 102.5 307.5

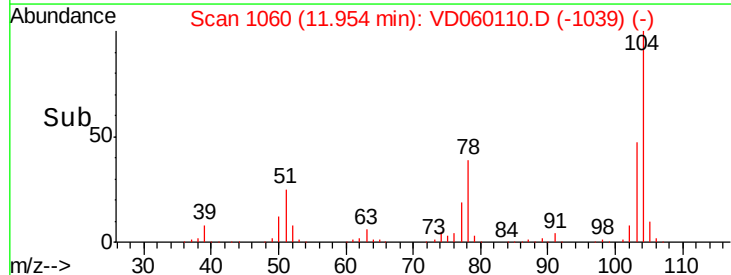
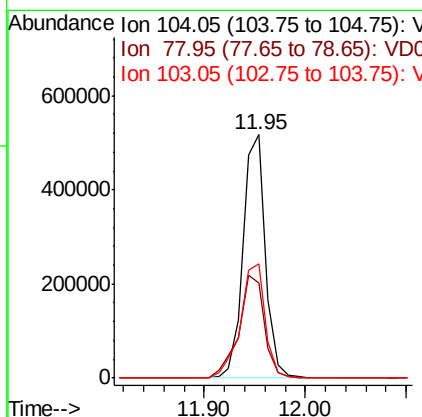
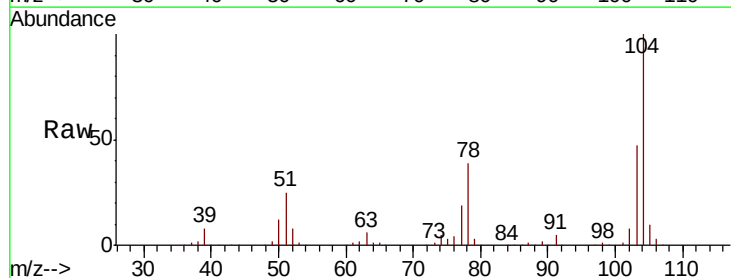
Manual Integrations
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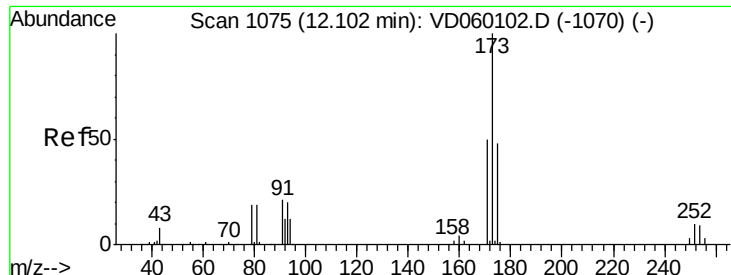
apatel
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#70
Styrene
Concen: 20.325 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion:104 Resp: 795249
Ion Ratio Lower Upper
104 100
78 39.0 32.2 48.4
103 47.0 37.4 56.0





#71

Bromoform

Concen: 19.706 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

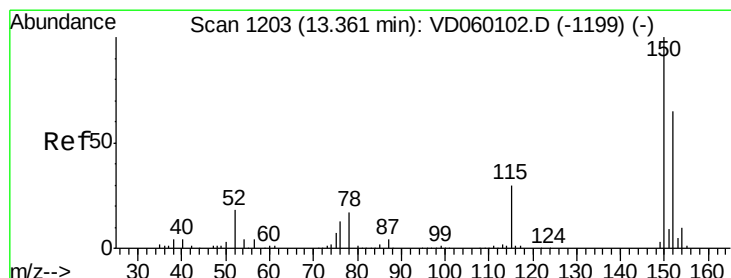
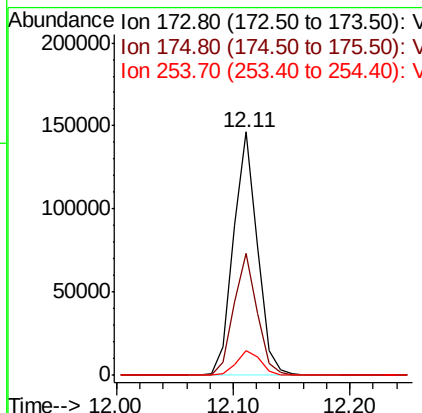
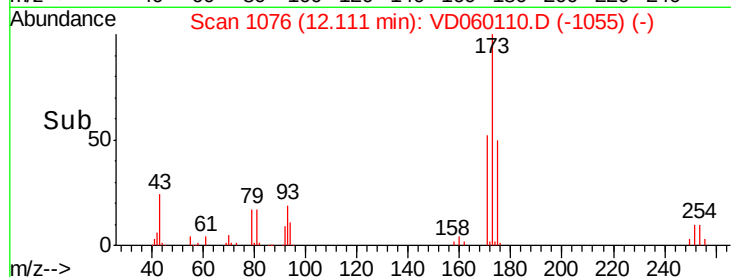
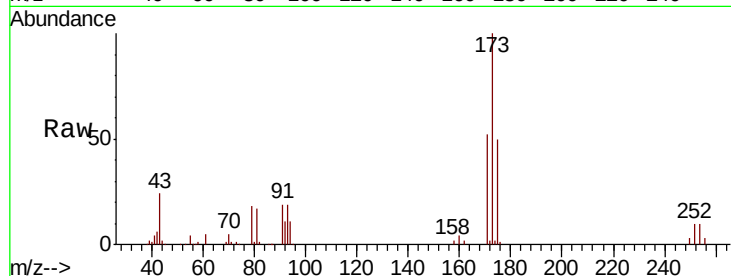
ClientSampleId :

VD1002SBS01

Tot Ion:	173	Resp:	208001
Ion Ratio	Lower	Upper	
173	100		
175	49.9	24.1	72.4
254	10.3	7.4	11.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

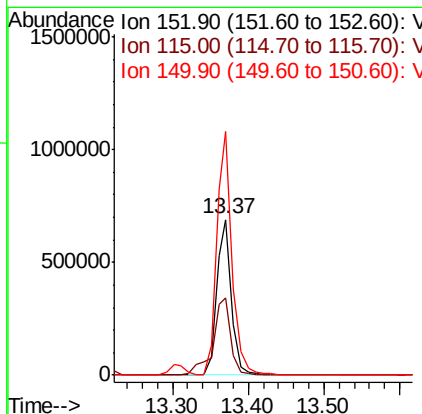
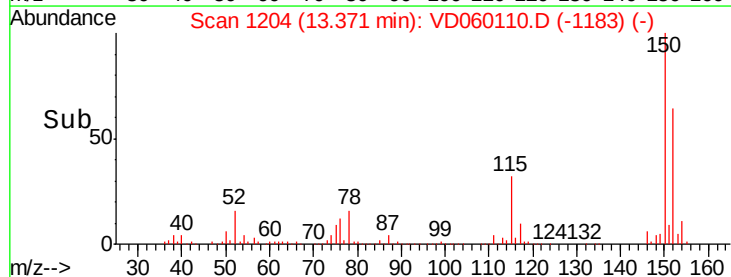
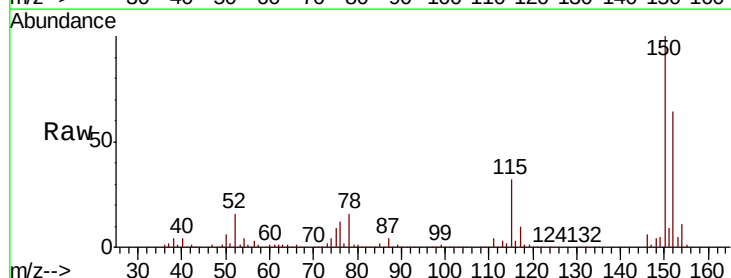
RT: 13.37 min Scan# 1204

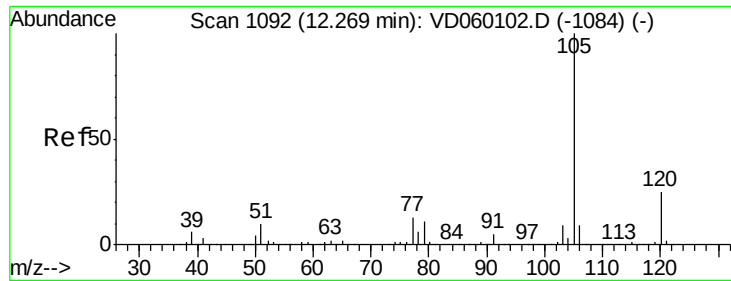
Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion:	152	Resp:	948780
Ion Ratio	Lower	Upper	
152	100		
115	49.5	27.1	81.2
150	156.3	0.0	311.8





#73

Isopropylbenzene

Concen: 21.023 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion:105 Resp: 1315889

Ion Ratio Lower Upper

105 100

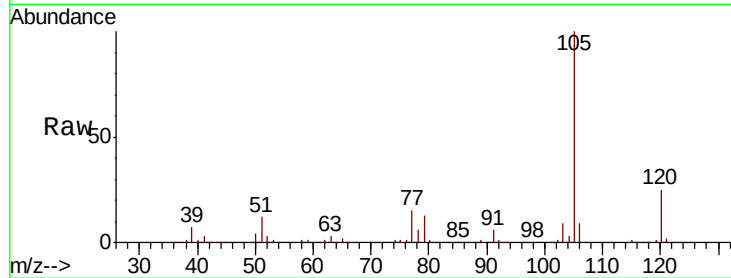
120 24.6 12.6 37.6

Manual Integrations

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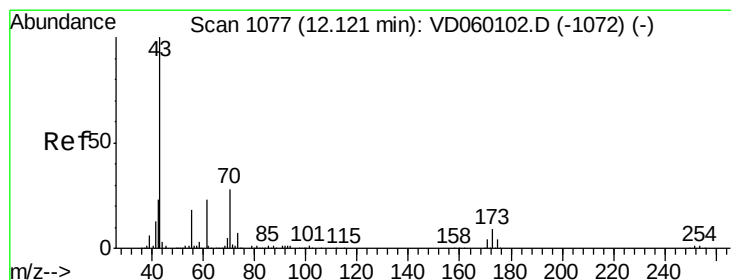
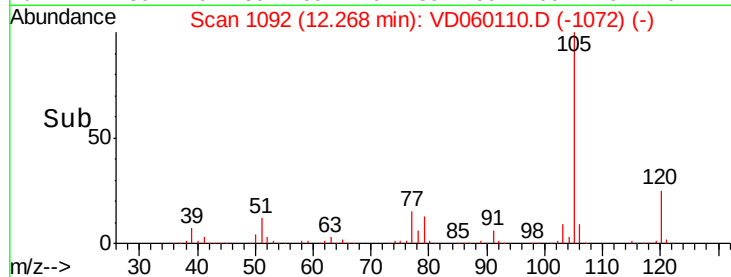
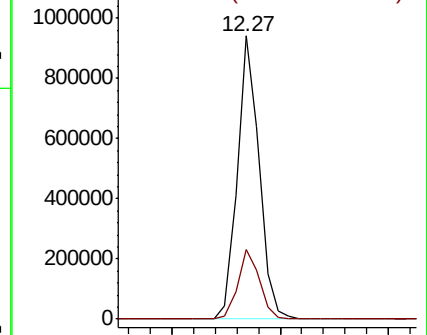
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.964 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion: 43 Resp: 480647

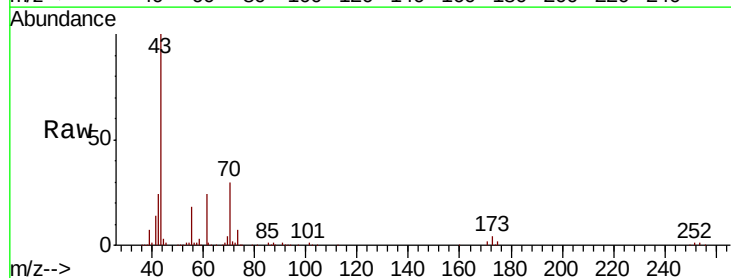
Ion Ratio Lower Upper

43 100

70 29.5 22.1 33.1

55 17.8 14.1 21.1

61 23.9 18.4 27.6

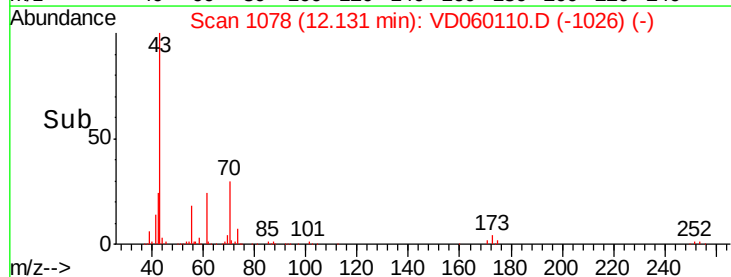
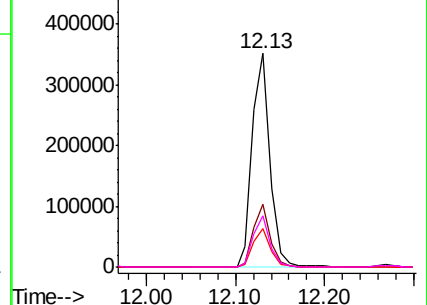


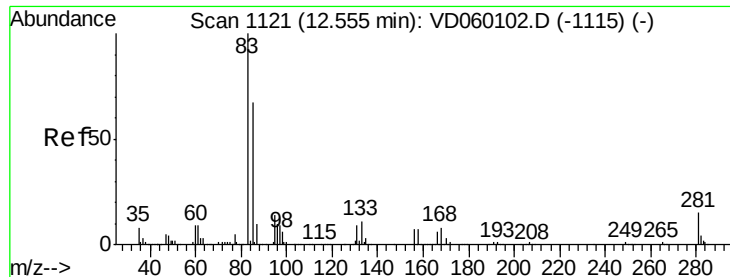
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.703 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

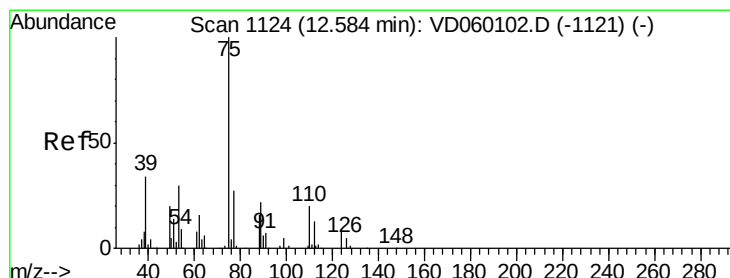
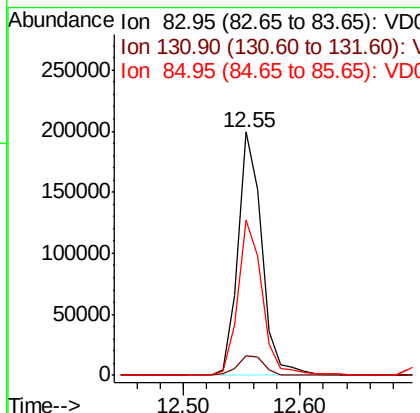
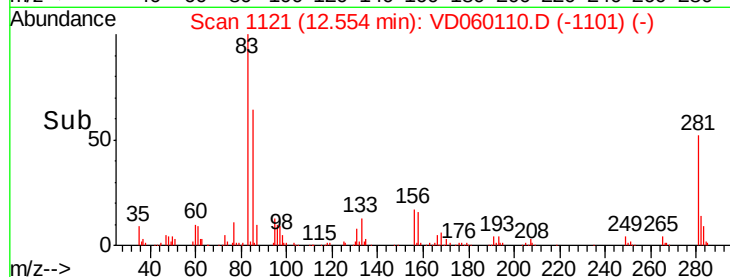
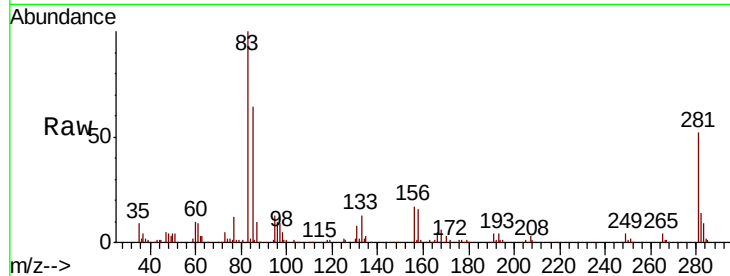
ClientSampleId :

VD1002SBS01

Tot Ion:	83	Resp:	282900
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.5	13.4
85	63.8	33.3	99.9

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#76

1,2,3-Trichloropropane

Concen: 20.933 ug/l

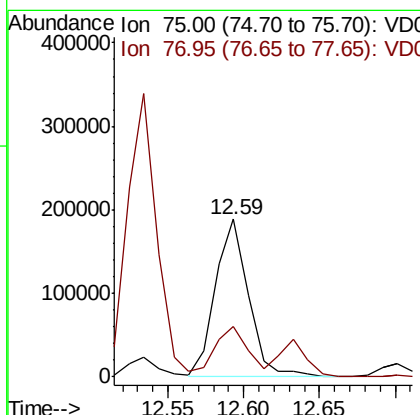
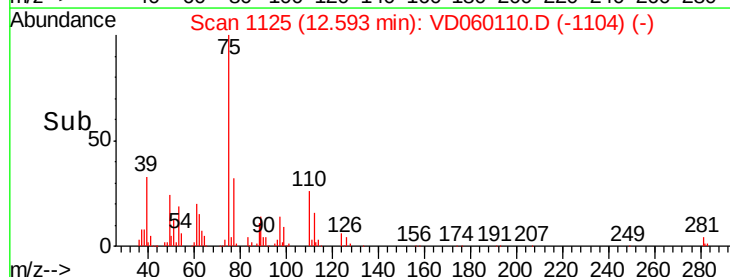
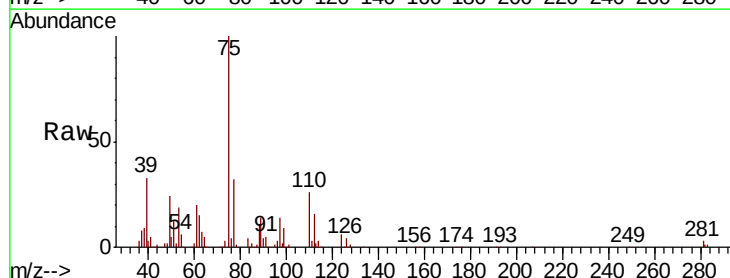
RT: 12.59 min Scan# 1125

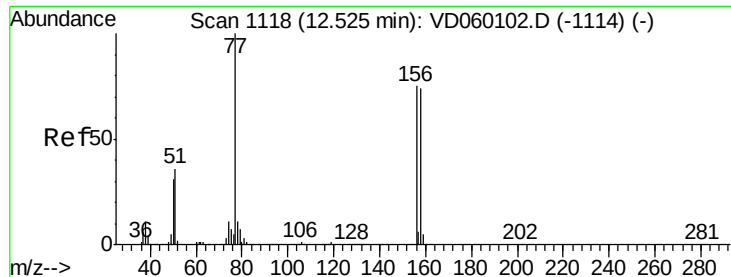
Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion:	75	Resp:	286026
Ion Ratio	Lower	Upper	
75	100		
77	32.3	16.3	48.9





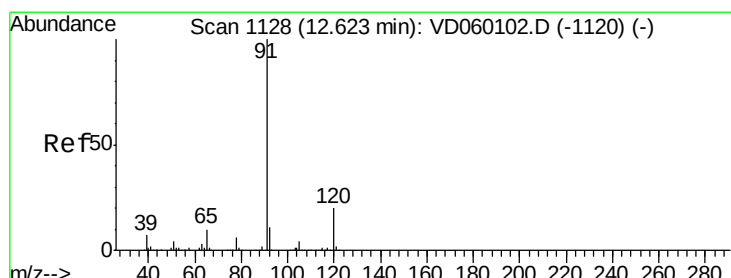
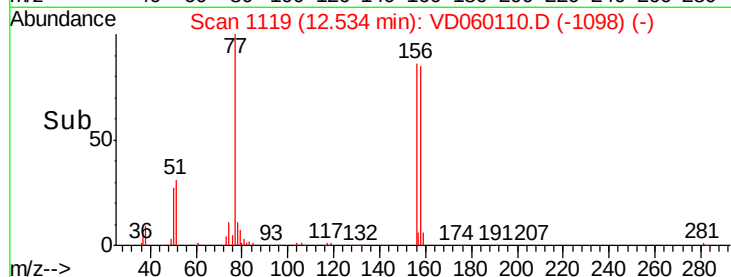
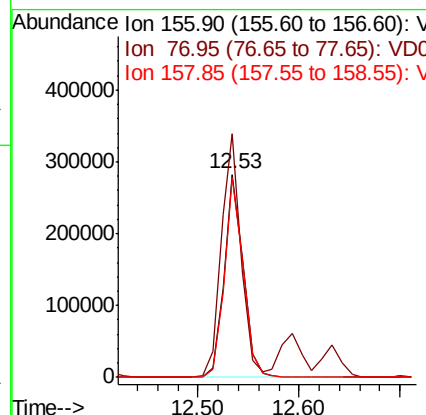
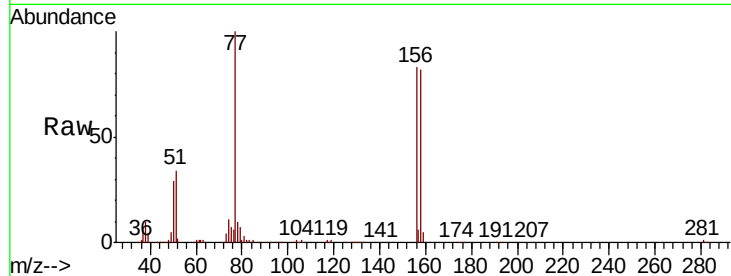
#77
Bromobenzene
Concen: 20.486 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	120.0	66.9	200.7
158	98.7	49.1	147.4

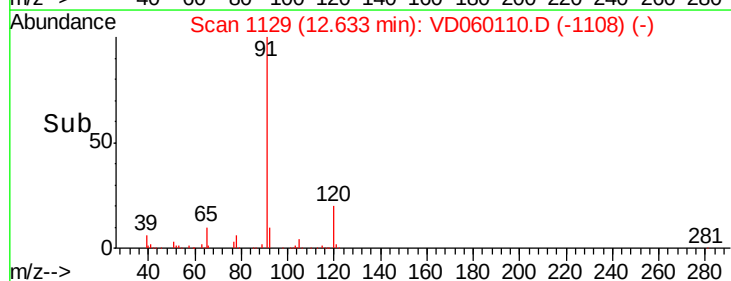
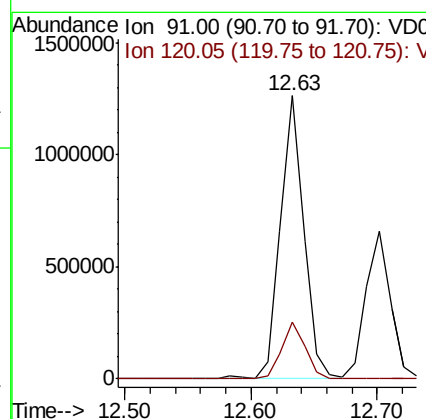
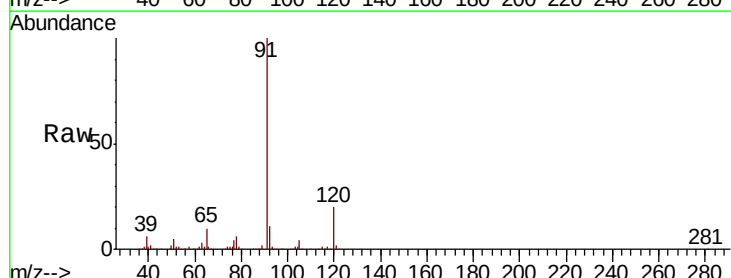
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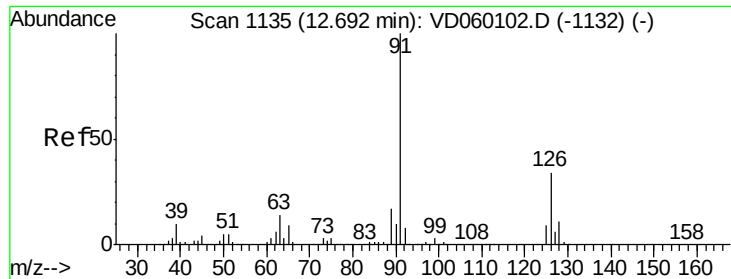
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#78
n-propylbenzene
Concen: 21.098 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.3	10.0	30.0





#79

2-Chlorotoluene

Concen: 20.738 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 91 Resp: 894539

Ion Ratio Lower Upper

91 100

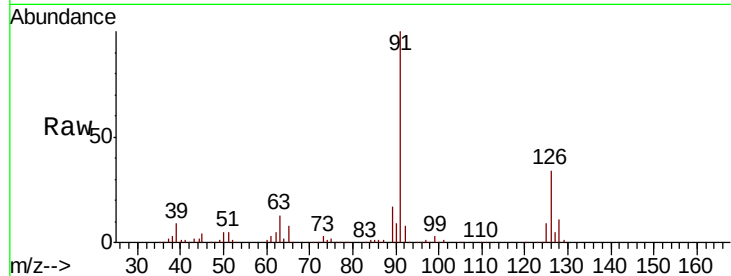
126 34.3 16.8 50.3

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Abundance Ion 91.00 (90.70 to 91.70): VD060110.D (-1132) (-)

Ion 125.95 (125.65 to 126.65): VD060110.D (-1132) (-)

1500000

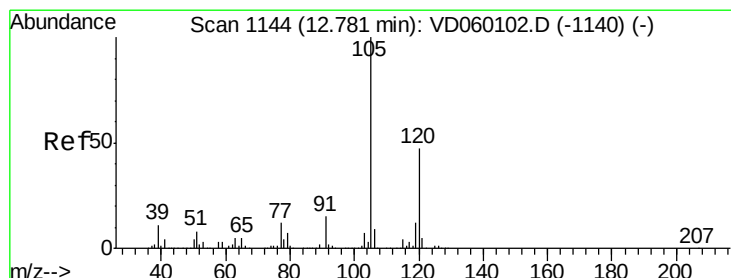
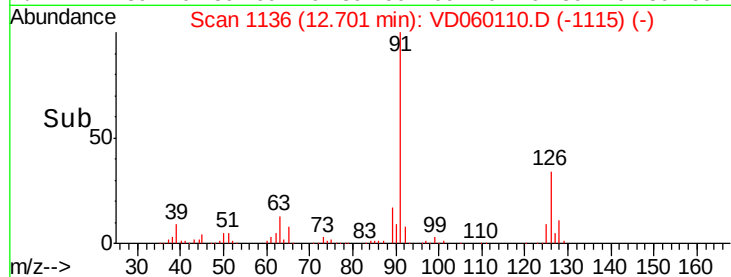
1000000

500000

0

12.65 12.70 12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.512 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060110.D

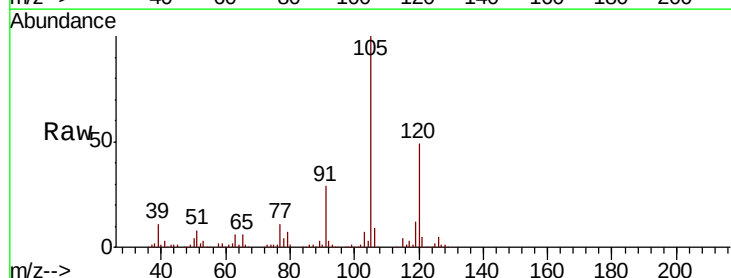
Acq: 2 Oct 2018 12:23

Tgt Ion: 105 Resp: 1042111

Ion Ratio Lower Upper

105 100

120 49.0 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): VD060110.D (-1140) (-)

Ion 120.05 (119.75 to 120.75): VD060110.D (-1140) (-)

800000

600000

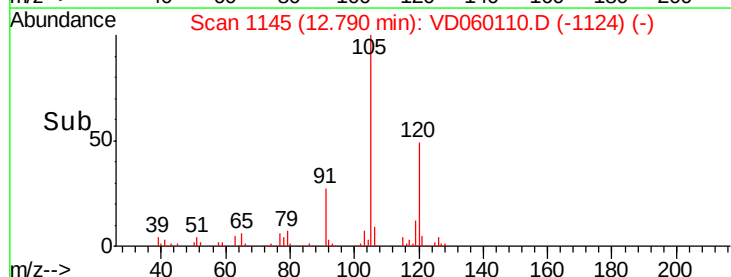
400000

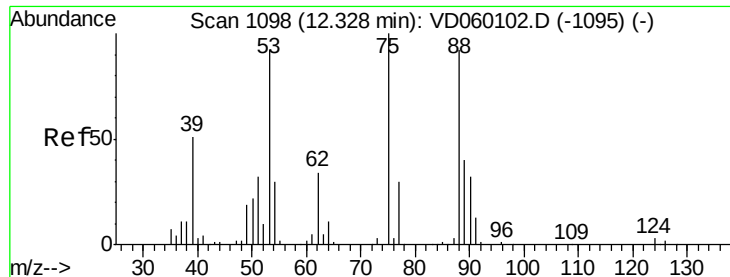
200000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.425 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 75 Resp: 78416

Ion Ratio Lower Upper

75 100

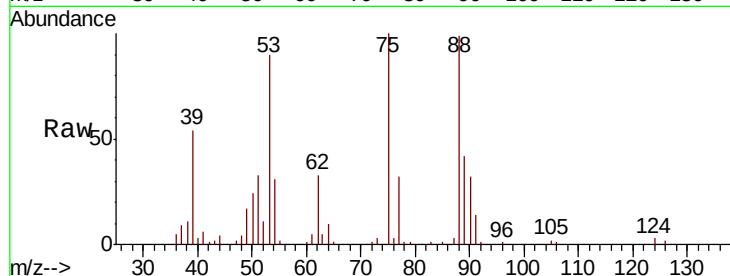
53 89.5 73.0 109.6

89 42.0 32.0 48.0

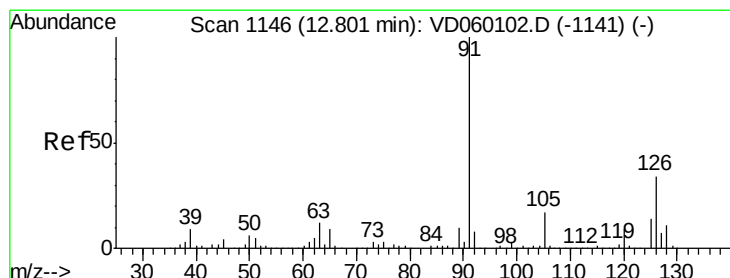
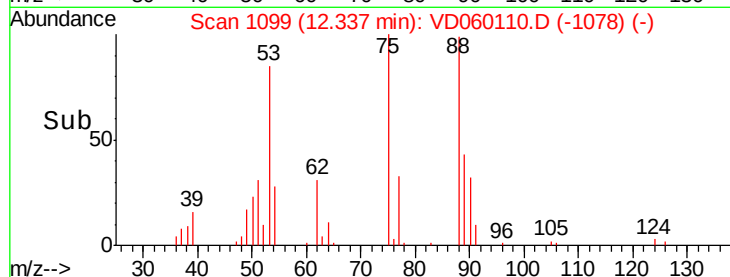
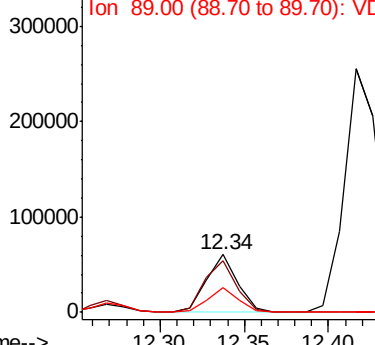
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.489 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060110.D

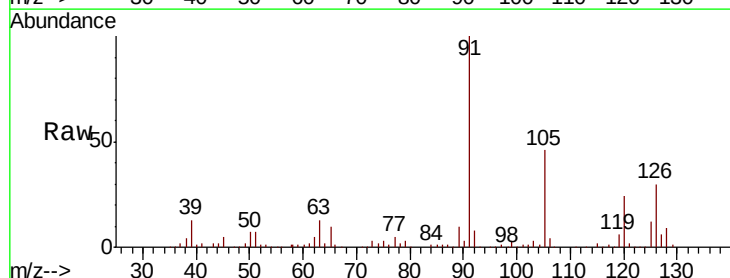
Acq: 2 Oct 2018 12:23

Tgt Ion: 91 Resp: 1048460

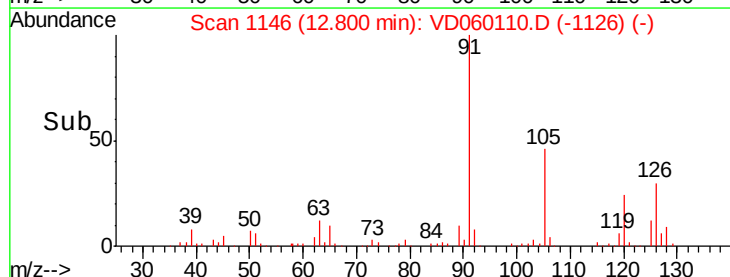
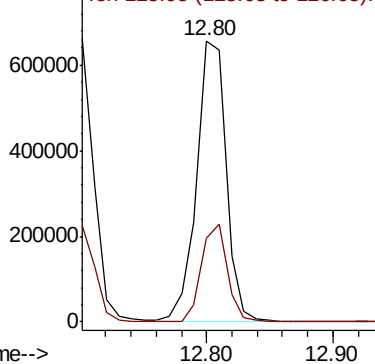
Ion Ratio Lower Upper

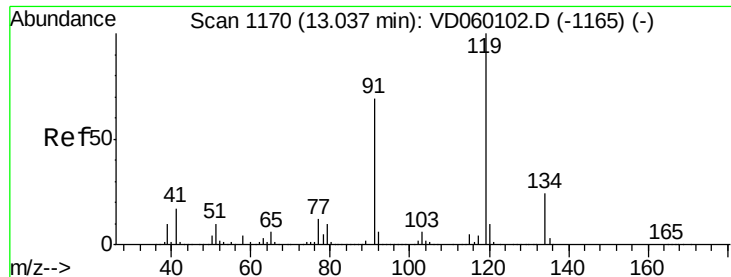
91 100

126 29.7 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





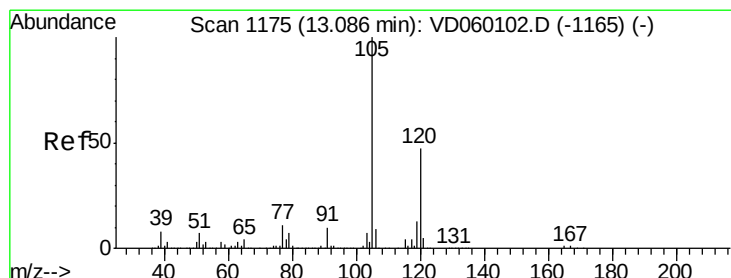
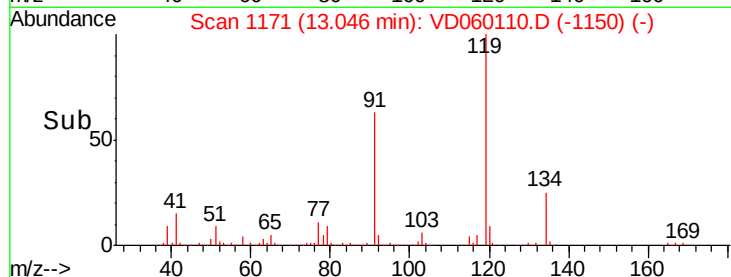
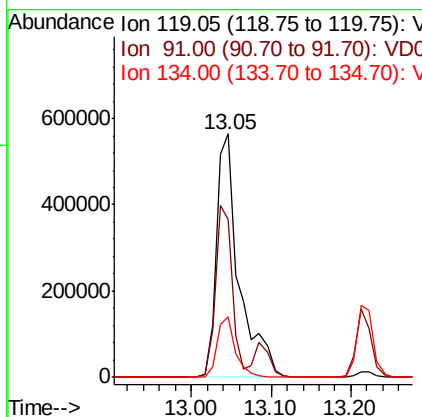
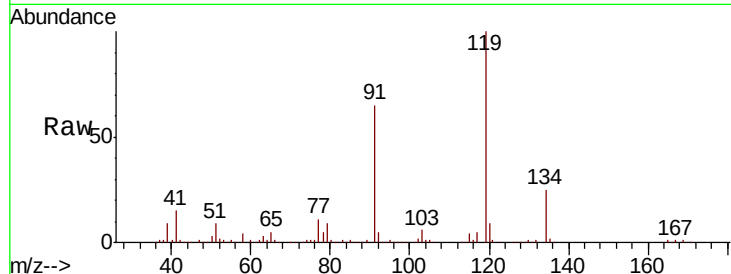
#83
tert-Butylbenzene
Concen: 20.272 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion:119 Resp: 1126932
Ion Ratio Lower Upper
119 100
91 64.7 34.8 104.4
134 25.0 11.8 35.4

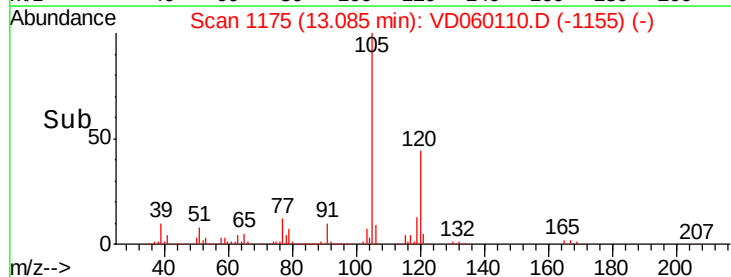
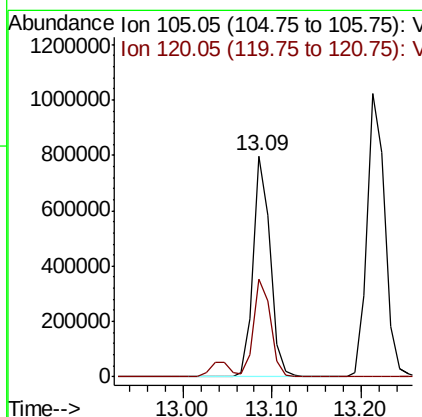
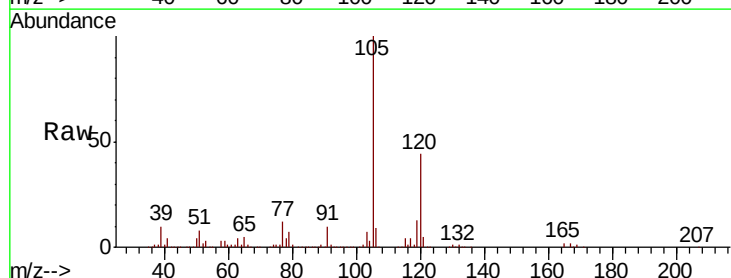
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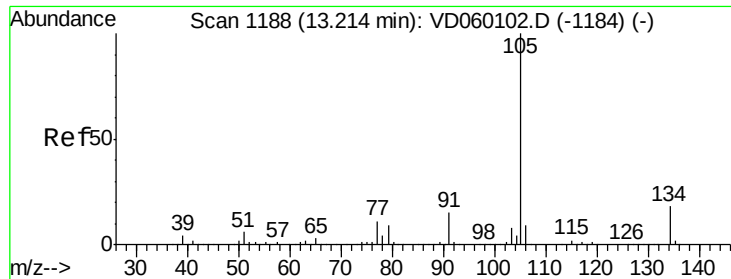
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#84
1,2,4-Trimethylbenzene
Concen: 20.424 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion:105 Resp: 1042809
Ion Ratio Lower Upper
105 100
120 44.2 23.4 70.0





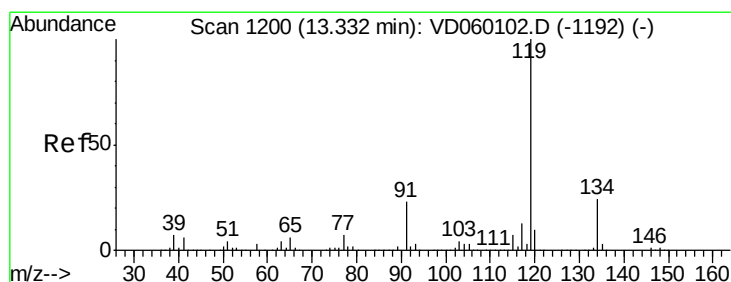
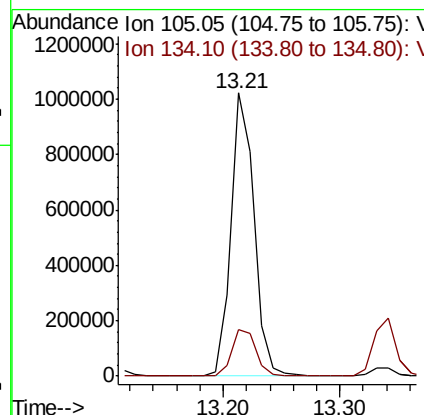
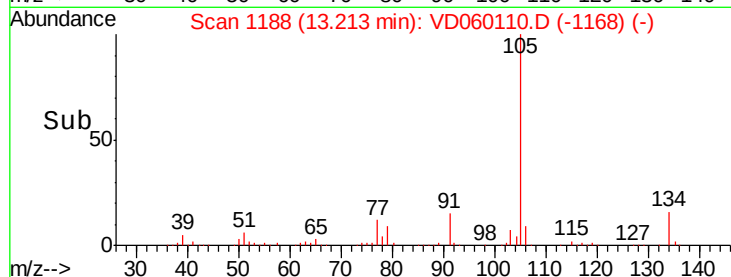
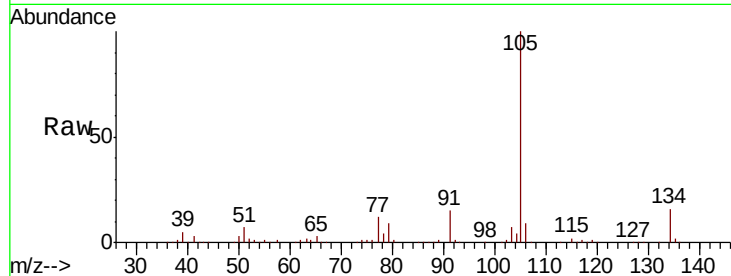
#85
 sec-Butylbenzene
 Concen: 21.227 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion:105 Resp: 1395262
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.8 26.2

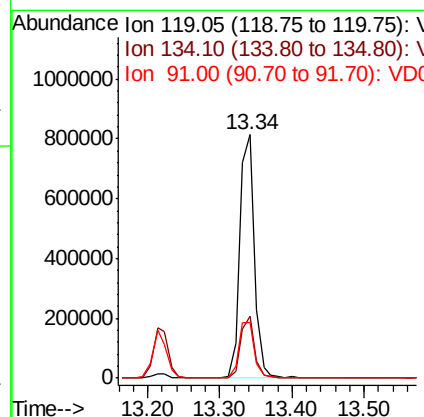
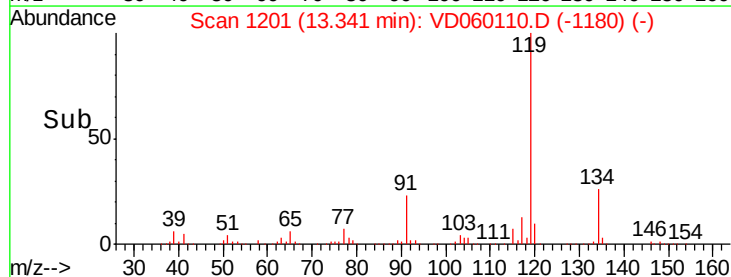
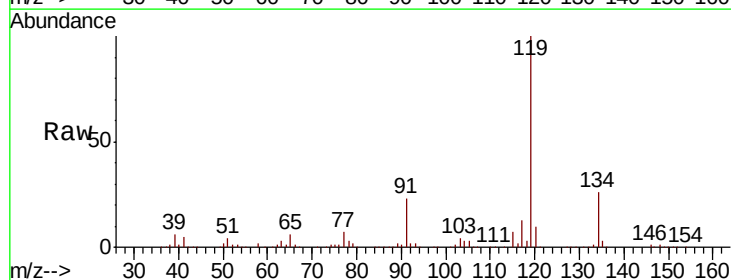
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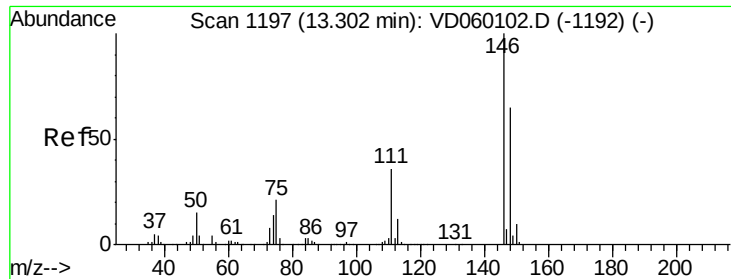
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#86
 p-Isopropyltoluene
 Concen: 21.370 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion:119 Resp: 1152123
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.3 36.8
 91 22.9 11.8 35.4





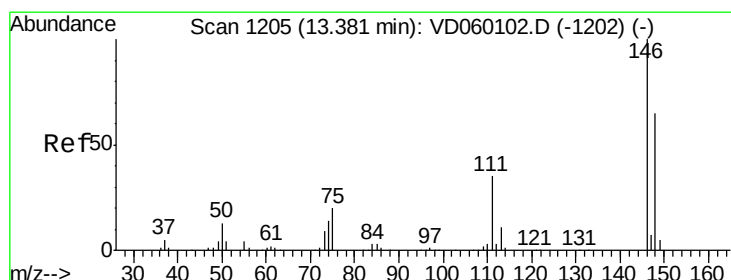
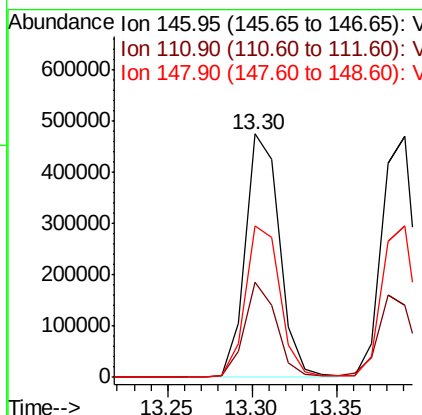
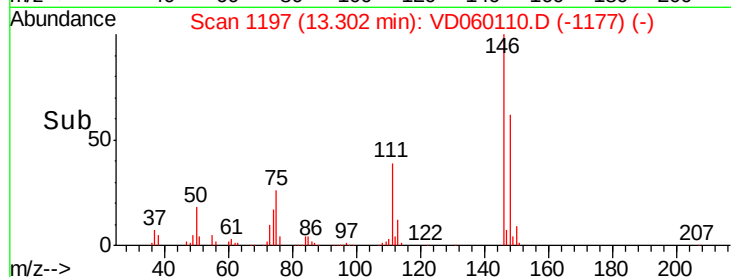
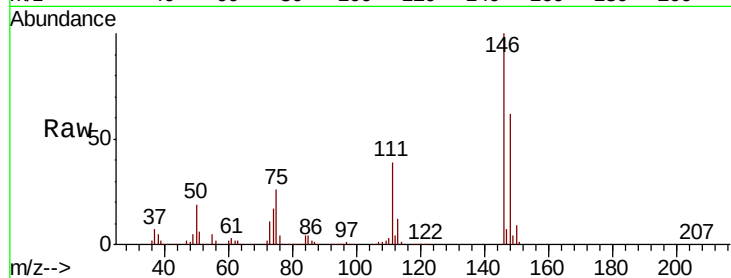
#87
 1,3-Dichlorobenzene
 Concen: 21.125 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.1	54.3
148	62.1	32.3	96.9

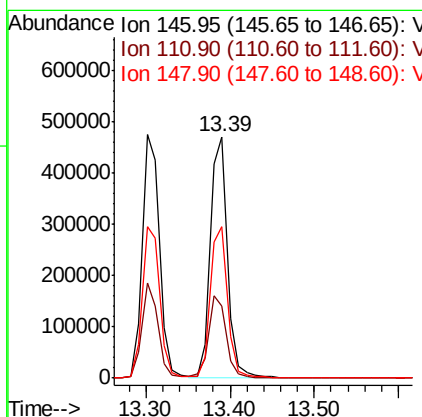
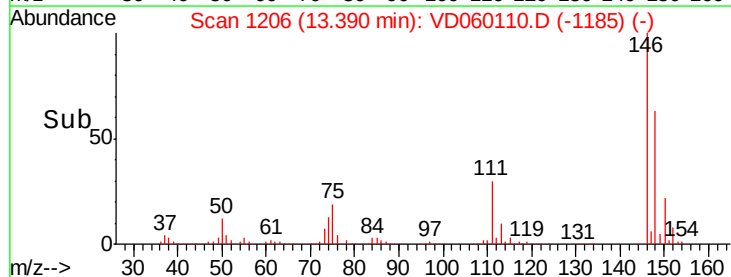
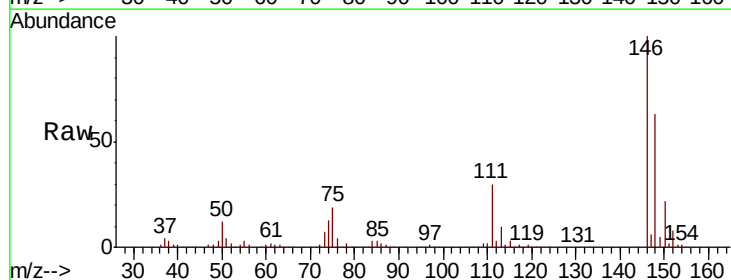
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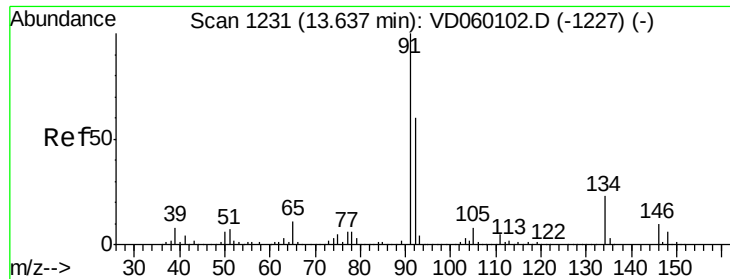
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.761 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	29.7	17.8	53.3
148	62.6	32.4	97.2





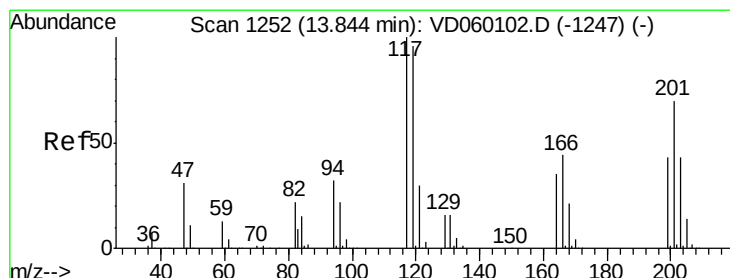
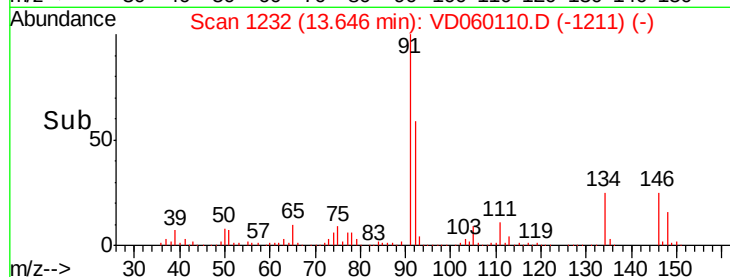
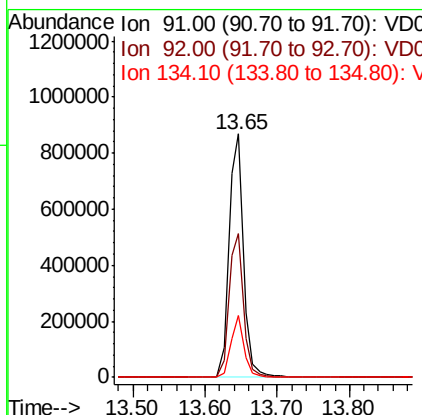
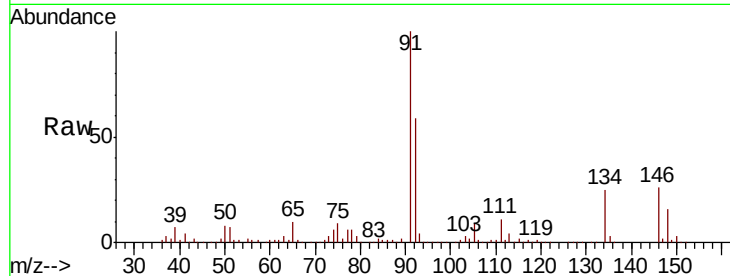
#89
n-Butylbenzene
Concen: 22.799 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 91 Resp: 1199362
Ion Ratio Lower Upper
91 100
92 59.0 30.1 90.3
134 25.4 11.6 34.7

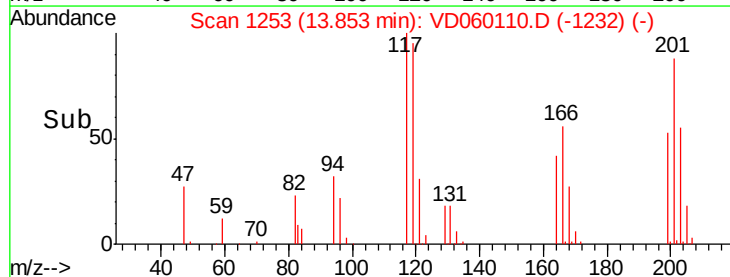
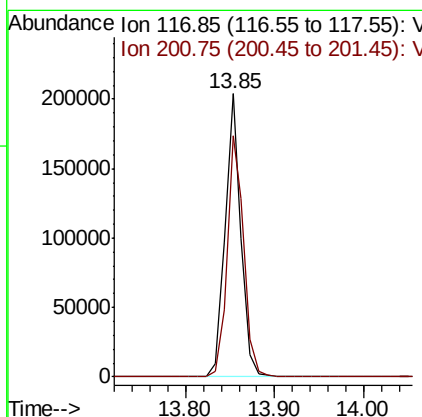
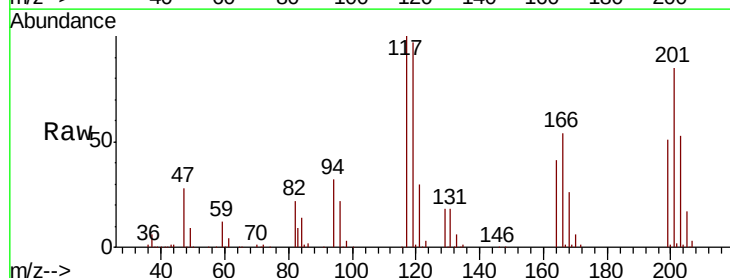
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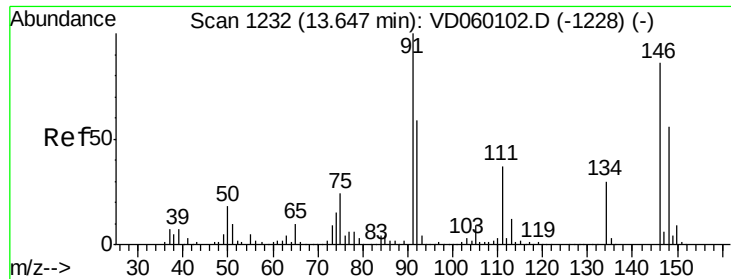
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#90
Hexachloroethane
Concen: 20.538 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 117 Resp: 256252
Ion Ratio Lower Upper
117 100
201 85.1 34.8 104.5





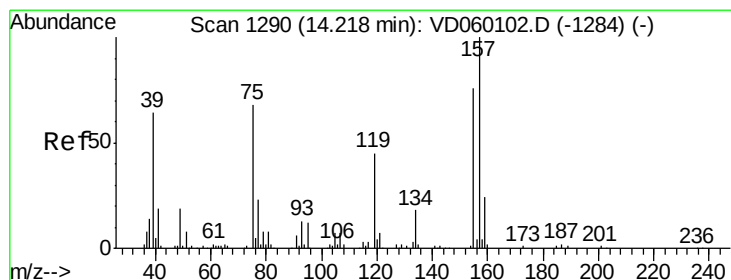
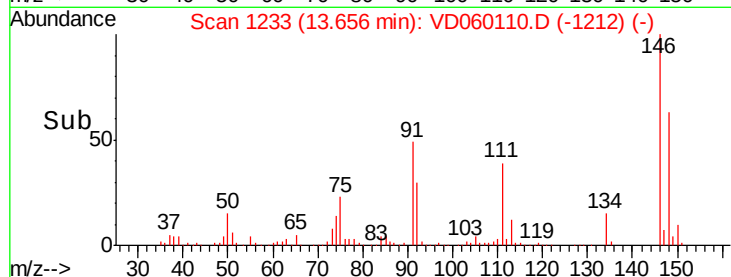
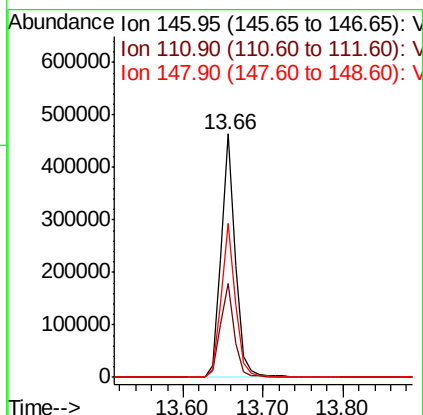
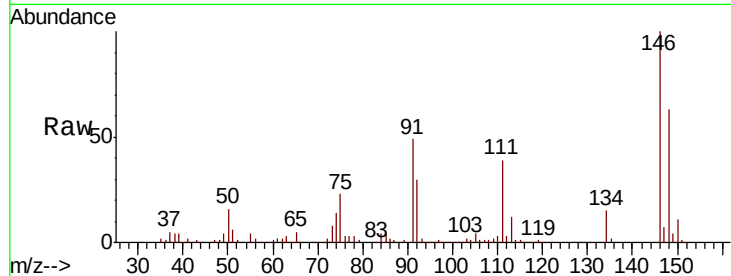
#91
 1,2-Dichlorobenzene
 Concen: 22.175 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.4	64.3
148	63.4	32.2	96.6

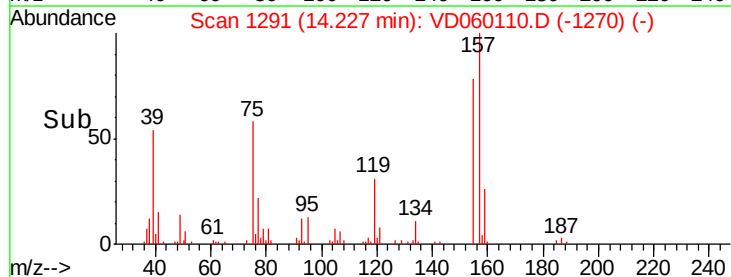
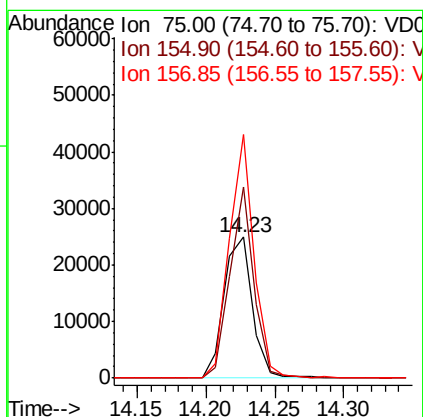
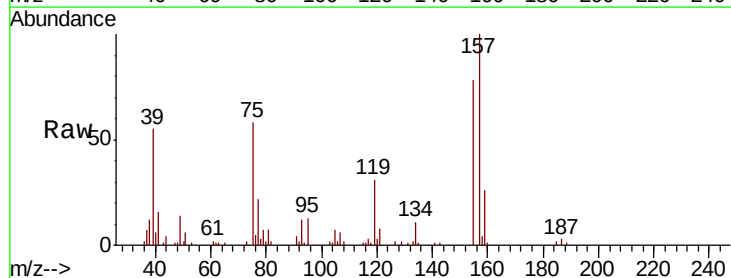
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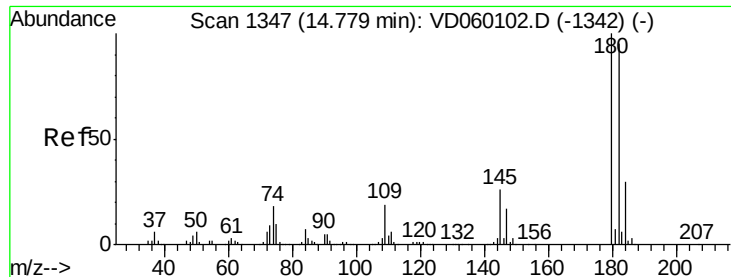
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.528 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	135.8	55.9	167.7
157	173.0	73.3	219.8





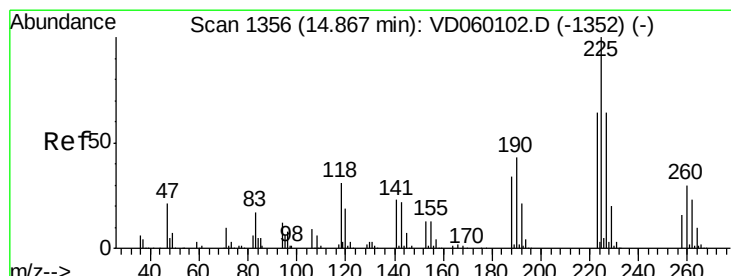
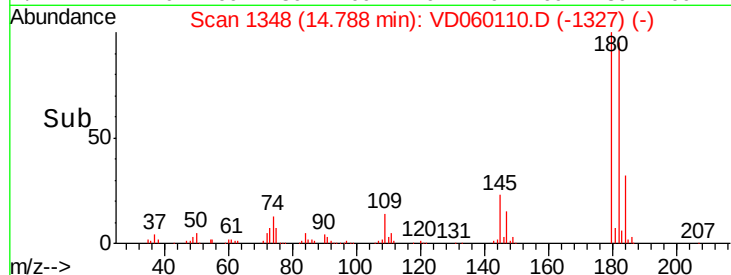
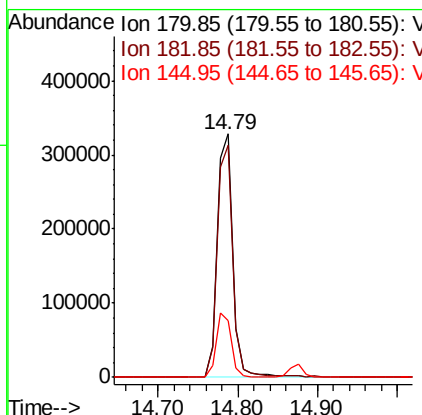
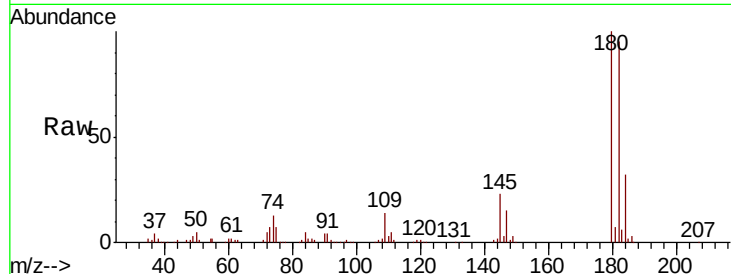
#93
 1,2,4-Trichlorobenzene
 Concen: 20.125 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	455159		
182	95.3	47.3	141.8	
145	23.5	13.0	38.9	

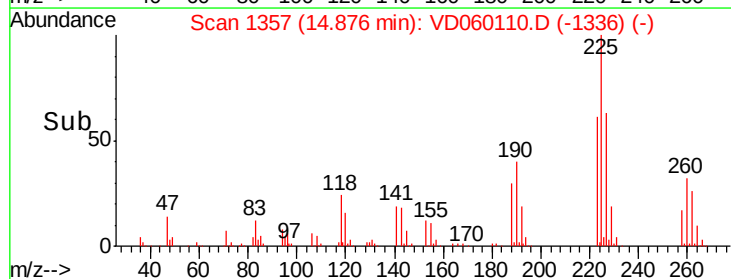
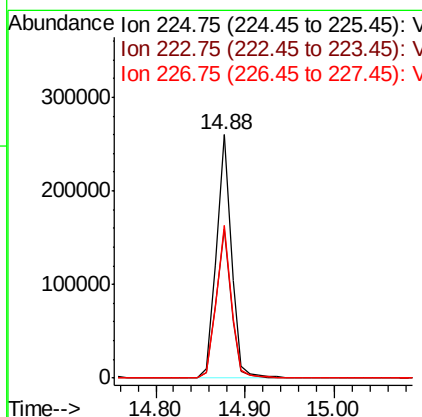
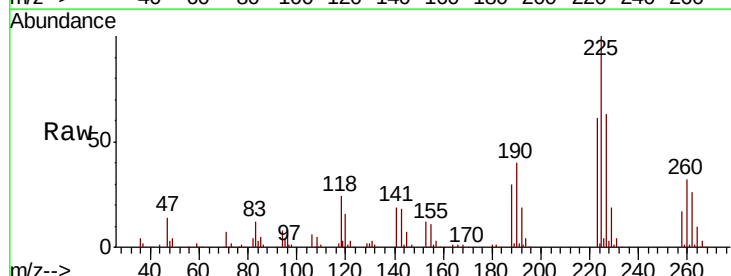
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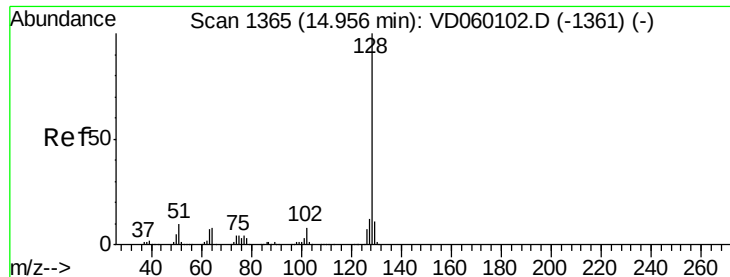
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#94
 Hexachlorobutadiene
 Concen: 20.527 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	308601		
223	61.3	31.8	95.4	
227	62.8	32.0	96.0	





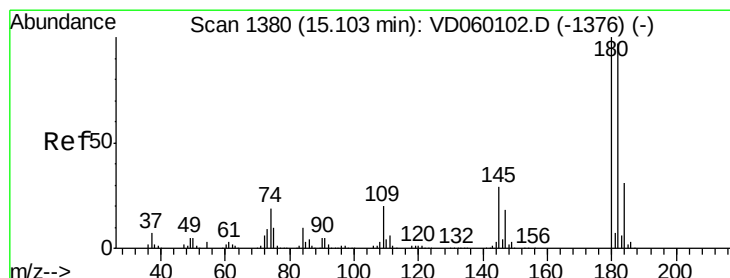
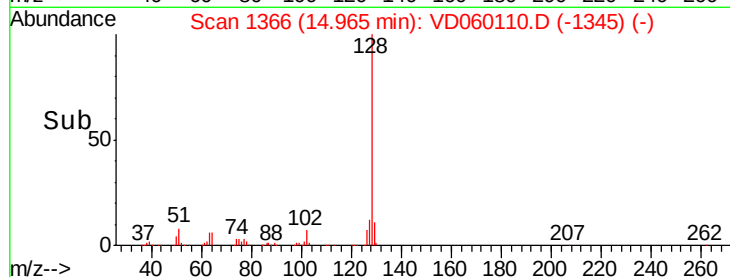
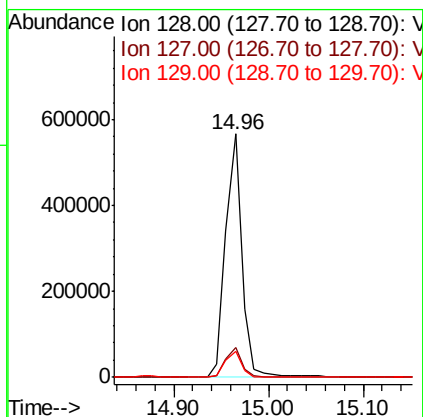
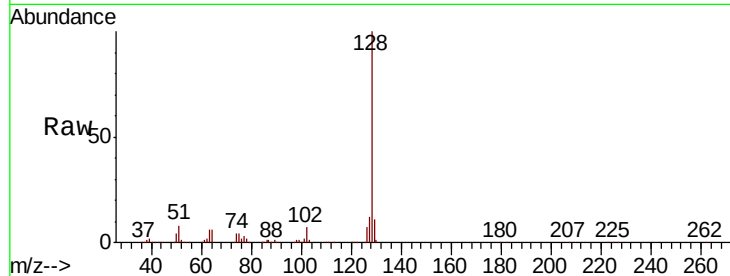
#95
Naphthalene
Concen: 20.238 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	678479		
127	12.3		9.9	14.9
129	10.8		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.061 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	394686		
182	96.3		48.4	145.0
145	24.7		14.5	43.6

