

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060969.D
 Acq On : 7 Mar 2019 15:35
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:48 PM

Quant Time: Mar 08 02:15:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	711123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1166255	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	958504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	438512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	57976	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
35) Dibromofluoromethane	6.92	113	85055	9.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.30%	
50) Toluene-d8	10.40	98	218533	9.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.70%	
62) 4-Bromofluorobenzene	13.54	95	94940	10.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.59	85	79473	10.196	ug/l	98
3) Chloromethane	1.76	50	62515	9.695	ug/l	100
4) Vinyl Chloride	1.87	62	53715	9.166	ug/l	98
5) Bromomethane	2.16	94	11718	11.476	ug/l	96
6) Chloroethane	2.28	64	17834	12.216	ug/l	96
7) Trichlorofluoromethane	2.54	101	91850	12.686	ug/l	94
8) Diethyl Ether	2.88	74	27081	8.836	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	95285	10.161	ug/l	98
10) Methyl Iodide	3.32	142	80443	7.246	ug/l	99
11) Tert butyl alcohol	4.06	59	19304	44.741	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	79172	9.956	ug/l	97
13) Acrolein	3.04	56	26327	44.545	ug/l	97
14) Allyl chloride	3.63	41	119907	9.114	ug/l	97
15) Acrylonitrile	4.20	53	71697	44.059	ug/l	96
16) Acetone	3.22	43	91393	47.609	ug/l	96
17) Carbon Disulfide	3.39	76	246685	8.734	ug/l	99
18) Methyl Acetate	3.65	43	33273	8.438	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	131865	9.322	ug/l	97
20) Methylene Chloride	3.83	84	101406	9.469	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	80259	9.182	ug/l	93
22) Diisopropyl ether	5.13	45	246830	8.908	ug/l	97
23) Vinyl Acetate	5.06	43	666215	45.883	ug/l	99
24) 1,1-Dichloroethane	4.99	63	134514	9.028	ug/l	96
25) 2-Butanone	6.06	43	95915	40.632	ug/l	98
26) 2,2-Dichloropropane	6.02	77	102555	9.262	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	82323	8.361	ug/l	94
28) Bromochloromethane	6.44	49	49748	8.035	ug/l	99
29) Tetrahydrofuran	6.45	42	51502	41.713	ug/l	97
30) Chloroform	6.66	83	139882	9.703	ug/l	98
31) Cyclohexane	6.95	56	112165	8.871	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	118506	9.557	ug/l	96
36) 1,1-Dichloropropene	7.15	75	114954	10.750	ug/l	99
37) Ethyl Acetate	6.18	43	48877	8.946	ug/l #	94
38) Carbon Tetrachloride	7.11	117	128898	11.121	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	114306	9.808	ug/l	96
40) Benzene	7.45	78	265402	9.618	ug/l	99
41) Methacrylonitrile	6.45	41	55783	14.244	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	75952	9.724	ug/l	98
43) Isopropyl Acetate	9.23	43	64544	8.489	ug/l #	99
44) Trichloroethene	8.53	130	87406	9.335	ug/l	94
45) 1,2-Dichloropropane	8.94	63	70816	9.767	ug/l	96
46) Dibromomethane	9.06	93	45051	9.711	ug/l	92
47) Bromodichloromethane	9.37	83	94144	9.144	ug/l	99
48) Methyl methacrylate	9.11	41	40408	9.400	ug/l	100
49) 1,4-Dioxane	9.08	88	8152	184.779	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	216844	46.710	ug/l	98
52) Toluene	10.50	92	178956	10.190	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	92672	9.907	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	111059	9.679	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	55705	9.593	ug/l	98
56) Ethyl methacrylate	11.03	69	56272	9.232	ug/l	97
57) 1,3-Dichloropropane	11.40	76	81998	9.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	159131	48.761	ug/l	100
59) 2-Hexanone	11.53	43	150854	46.308	ug/l	94
60) Dibromochloromethane	11.67	129	79595	9.488	ug/l	99
61) 1,2-Dibromoethane	11.80	107	63476	9.303	ug/l	98
64) Tetrachloroethene	11.25	164	70312	9.703	ug/l	96
65) Chlorobenzene	12.39	112	209146	9.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	71716	9.444	ug/l	97
67) Ethyl Benzene	12.52	91	317521	10.339	ug/l	98
68) m/p-Xylenes	12.66	106	254831	20.691	ug/l	94
69) o-Xylene	13.04	106	127411	11.124	ug/l	95
70) Styrene	13.06	104	201154	10.522	ug/l	98
71) Bromoform	13.23	173	47950	10.034	ug/l	95
73) Isopropylbenzene	13.40	105	345866	10.320	ug/l	95
74) N-amyl acetate	13.26	43	94088	9.287	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	66228	9.522	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	69589	9.845	ug/l	100
77) Bromobenzene	13.66	156	85693	9.730	ug/l	86
78) n-propylbenzene	13.77	91	408289	10.436	ug/l	99
79) 2-Chlorotoluene	13.84	91	231999	10.595	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	275135	10.625	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	19293	9.259	ug/l	98
82) 4-Chlorotoluene	13.94	91	269685	10.966	ug/l	91
83) tert-Butylbenzene	14.18	119	279224m	9.686	ug/l	
84) 1,2,4-Trimethylbenzene	14.23	105	275135	10.625	ug/l	98
85) sec-Butylbenzene	14.36	105	370616	11.017	ug/l	96
86) p-Isopropyltoluene	14.49	119	289825	10.458	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	152245	10.170	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	153833	10.384	ug/l	98
89) n-Butylbenzene	14.79	91	295187	11.381	ug/l	98
90) Hexachloroethane	15.00	117	77805	9.737	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	137422	10.524	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	7724	9.454	ug/l	84

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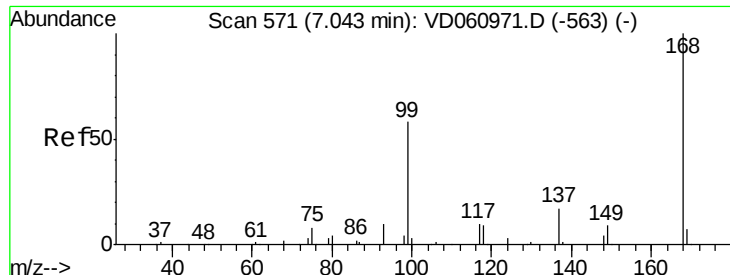
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	60997	8.282	ug/l	98
94) Hexachlorobutadiene	16.04	225	43793	9.303	ug/l	97
95) Naphthalene	16.12	128	89770	7.889	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	29548	7.396	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 711123

Ion Ratio Lower Upper

168 100

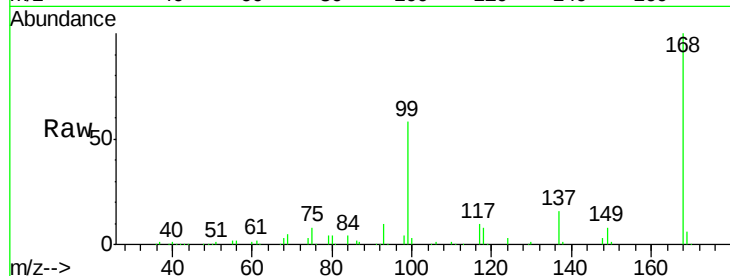
99 58.1 47.3 70.9

Manual Integrations

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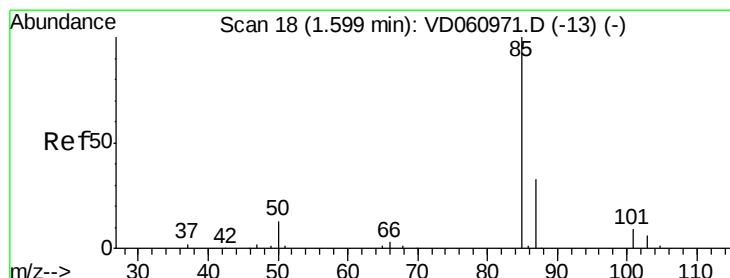
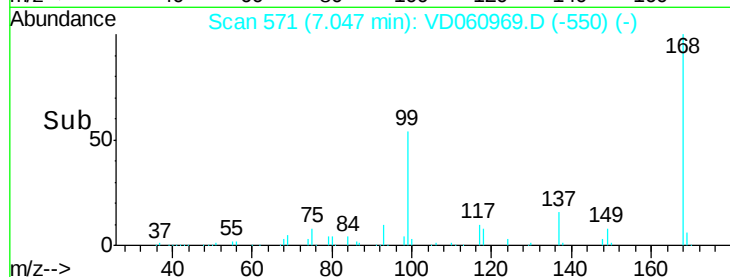
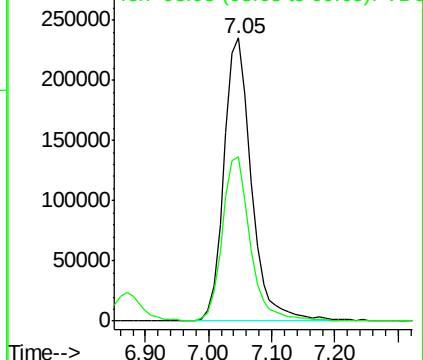
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 10.196 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060969.D

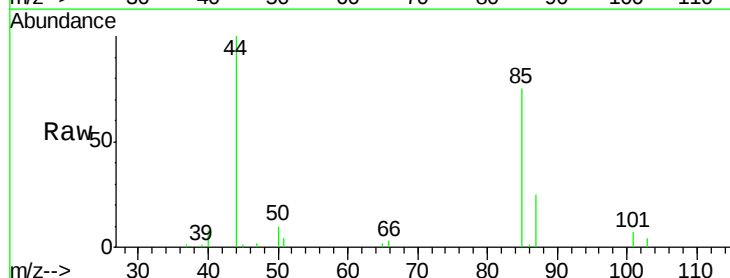
Acq: 7 Mar 2019 15:35

Tgt Ion: 85 Resp: 79473

Ion Ratio Lower Upper

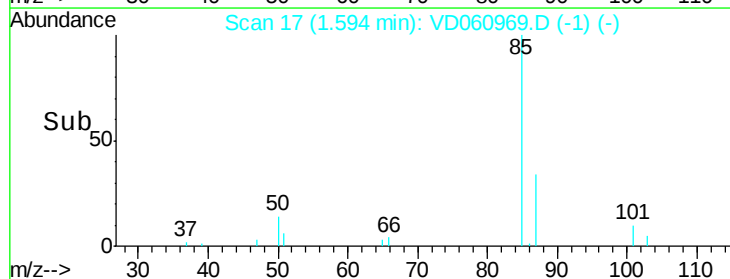
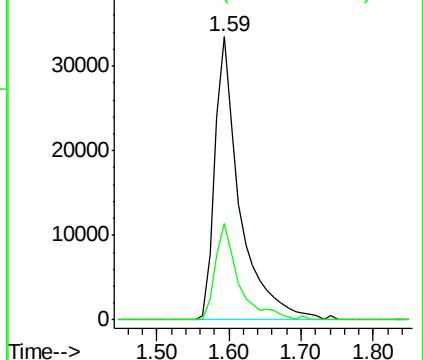
85 100

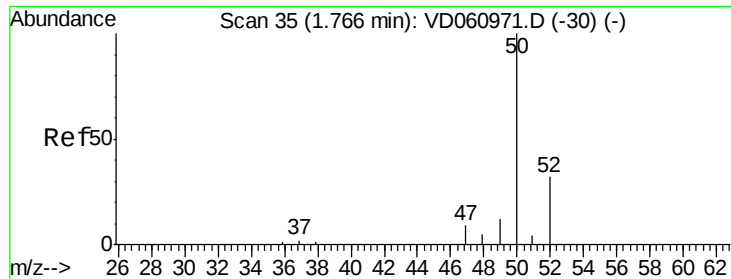
87 34.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.695 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 62515

Ion Ratio Lower Upper

50 100

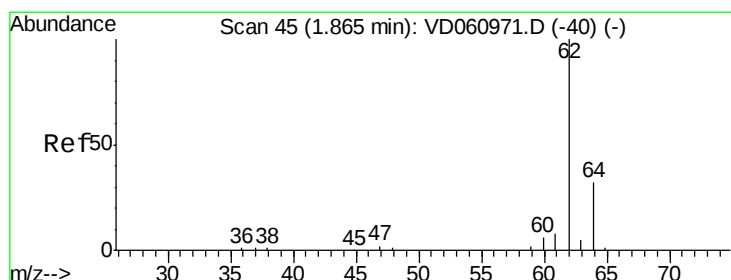
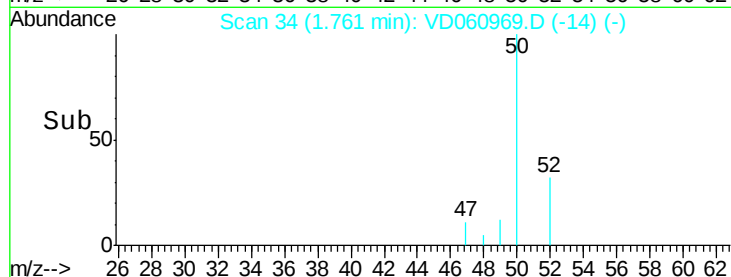
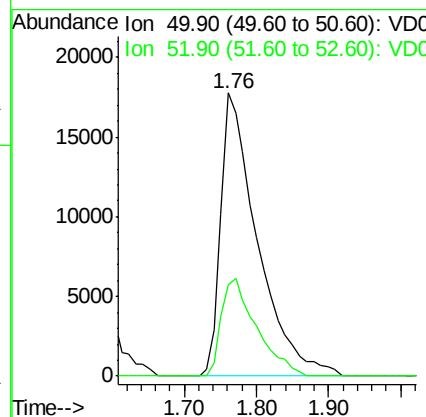
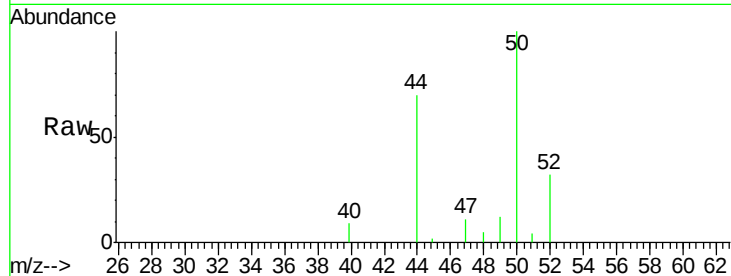
52 32.1 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.166 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD060969.D

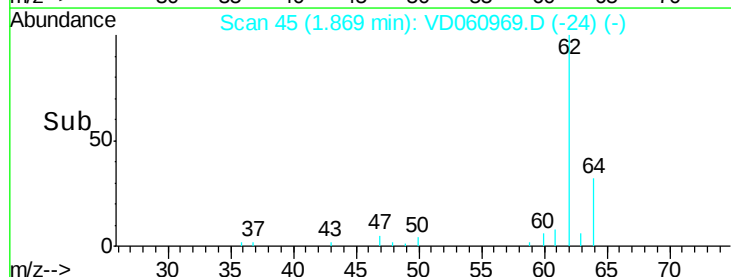
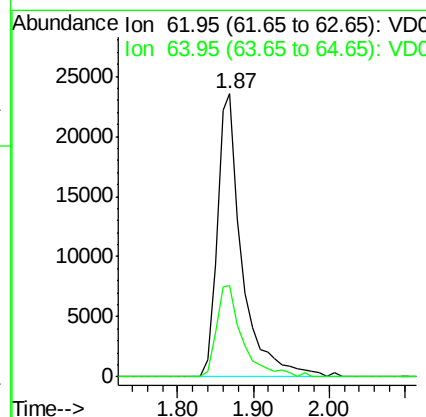
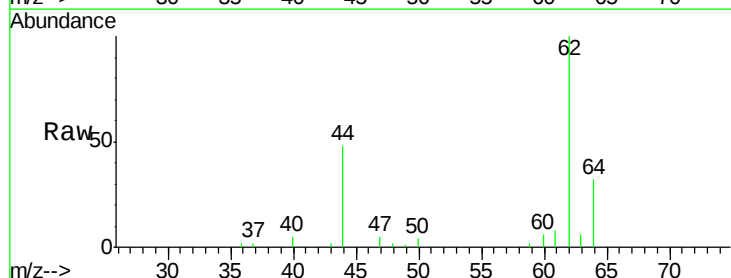
Acq: 7 Mar 2019 15:35

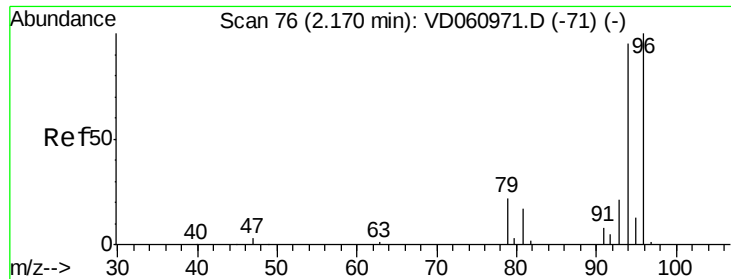
Tgt Ion: 62 Resp: 53715

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 11.476 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 11718

Ion Ratio Lower Upper

94 100

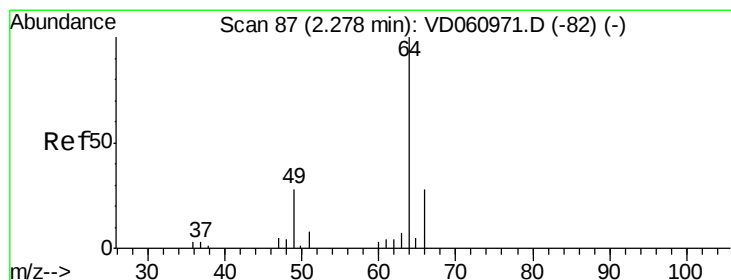
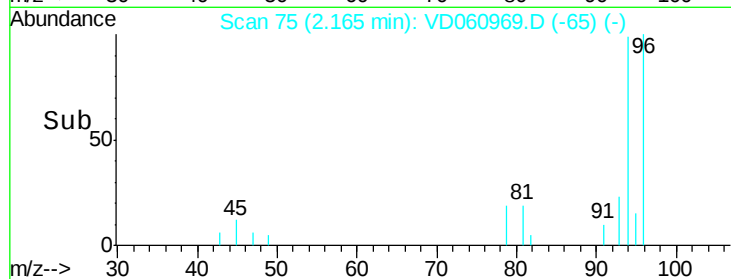
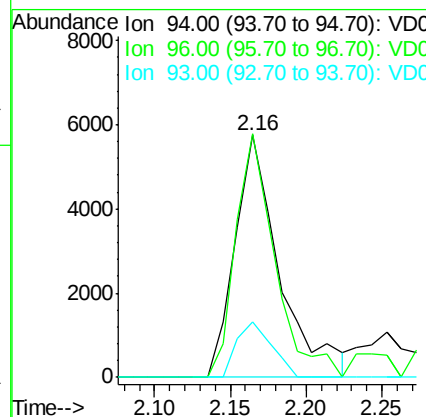
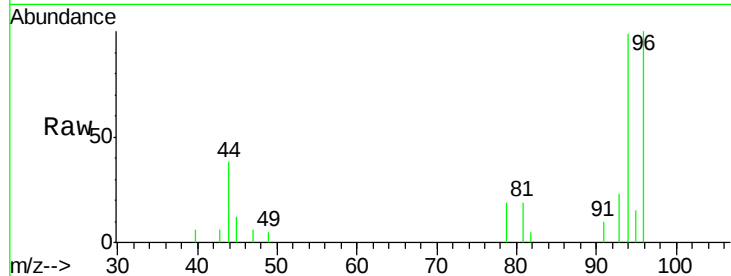
96 100.7 84.0 126.0

93 23.2 17.3 25.9

Manual Integrations
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#6

Chloroethane

Concen: 12.216 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD060969.D

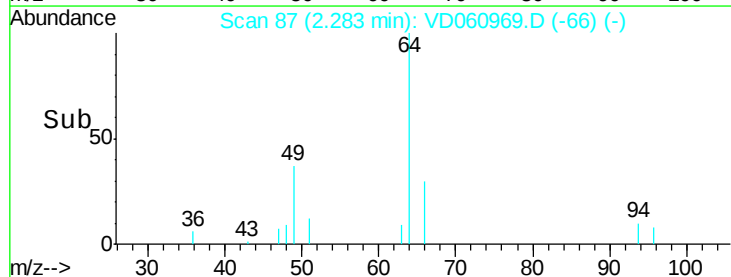
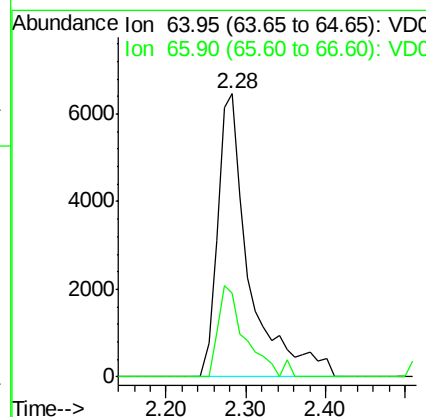
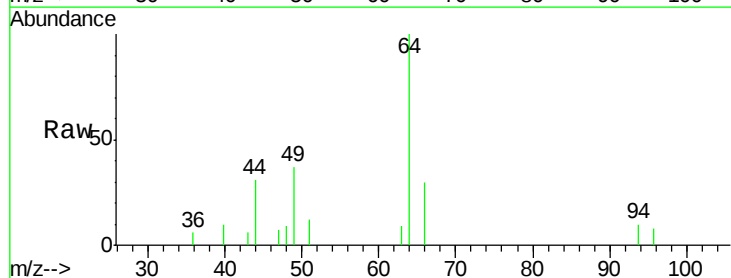
Acq: 7 Mar 2019 15:35

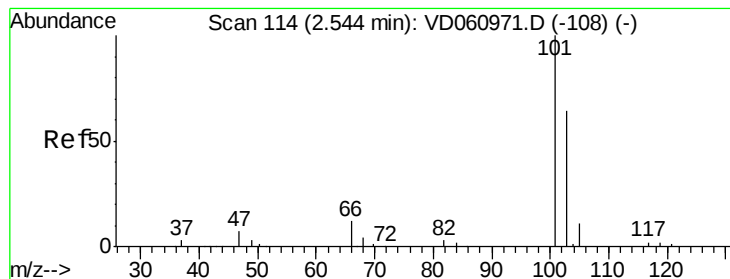
Tgt Ion: 64 Resp: 17834

Ion Ratio Lower Upper

64 100

66 29.5 22.2 33.2





#7

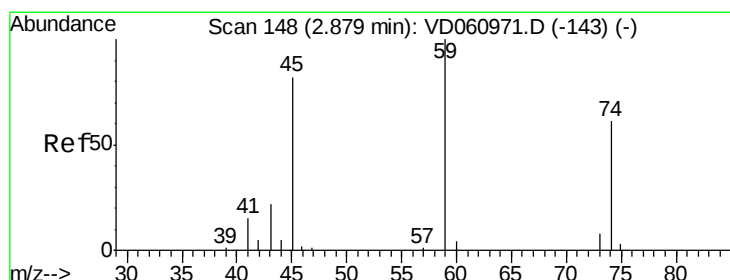
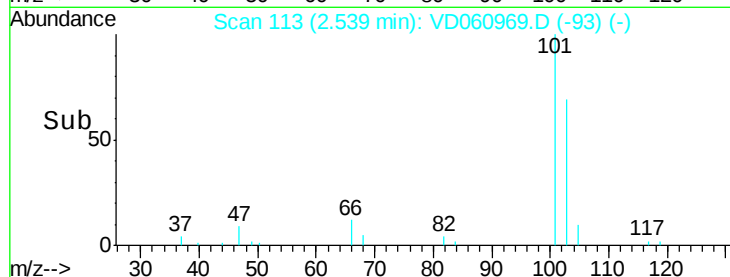
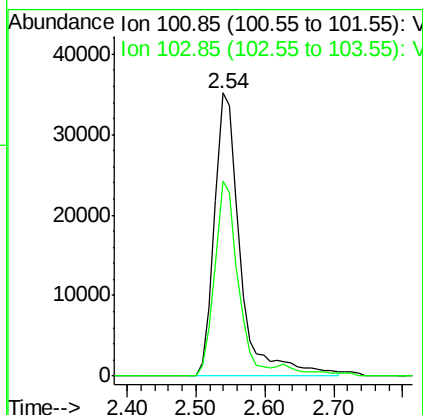
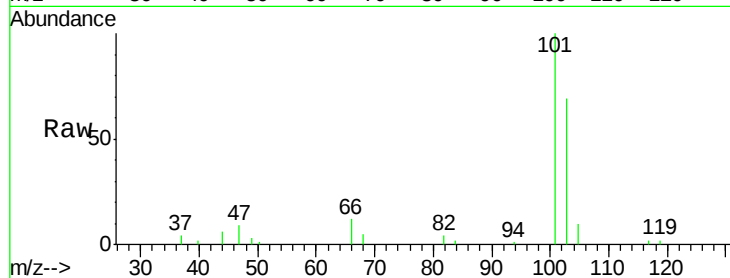
Trichlorofluoromethane
Concen: 12.686 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:101 Resp: 91850
Ion Ratio Lower Upper
101 100
103 69.0 51.2 76.8

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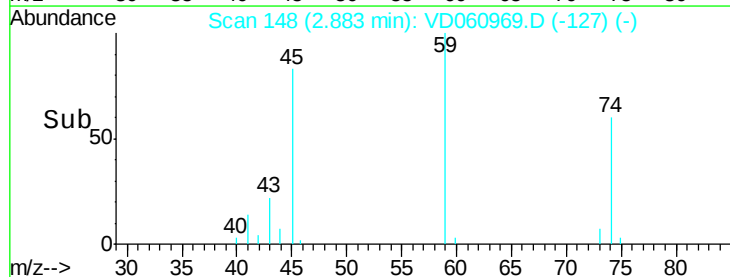
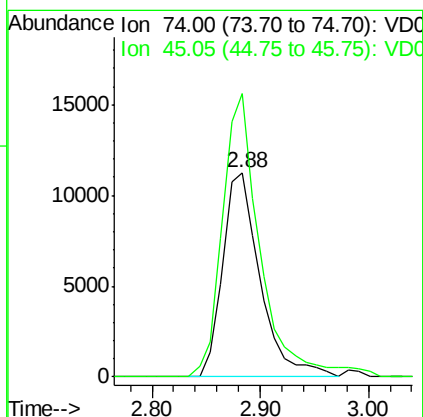
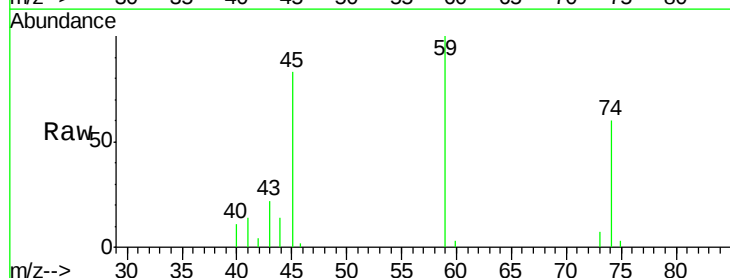
MMDadoda
3/8/2019 9:46:48 PM

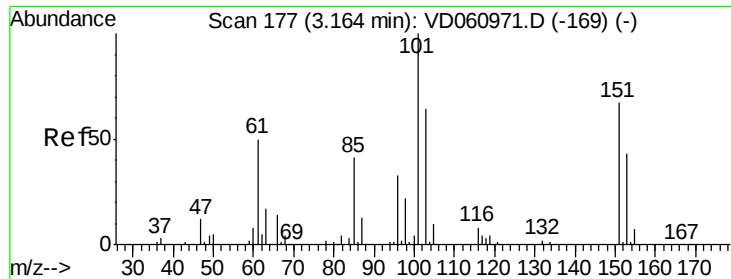


#8

Diethyl Ether
Concen: 8.836 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 74 Resp: 27081
Ion Ratio Lower Upper
74 100
45 141.3 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.161 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

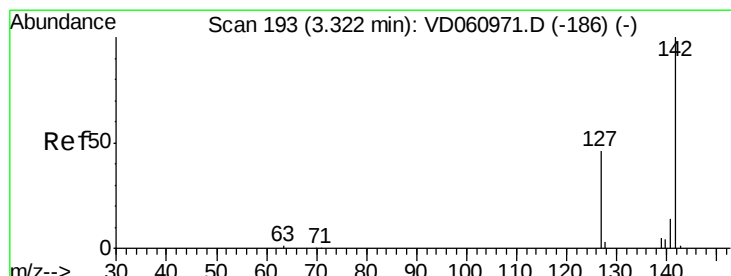
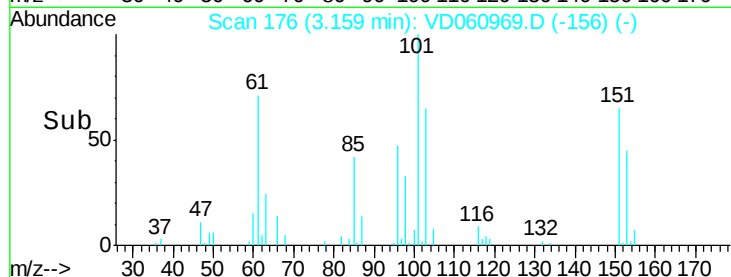
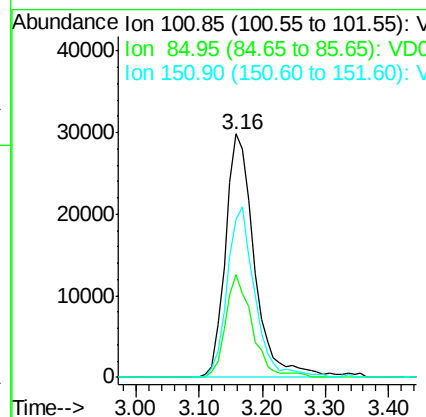
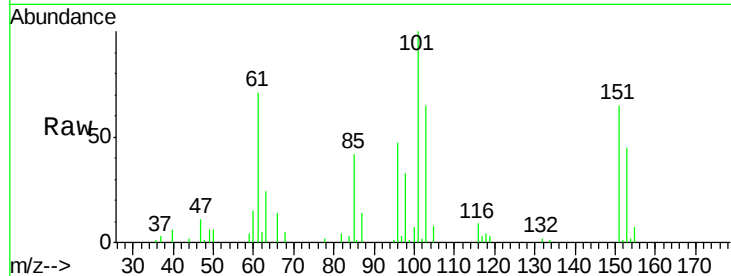
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	95285
Ion Ratio	Lower	Upper	
101	100		
85	42.1	32.5	48.7
151	64.8	53.3	79.9

Manual Integrations
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#10

Methyl Iodide

Concen: 7.246 ug/l

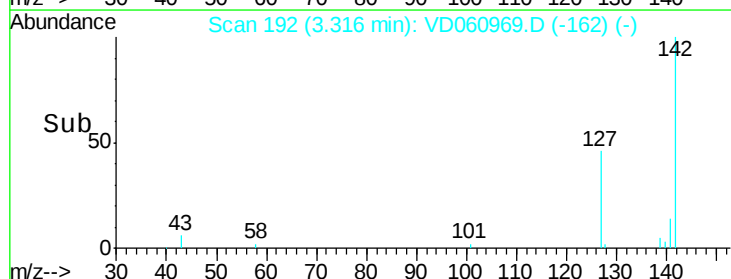
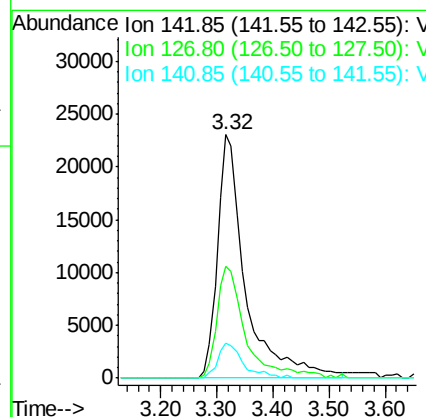
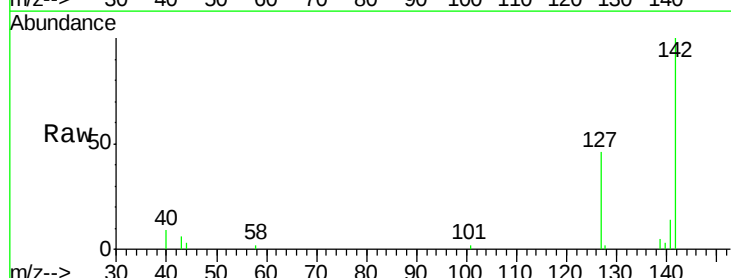
RT: 3.32 min Scan# 192

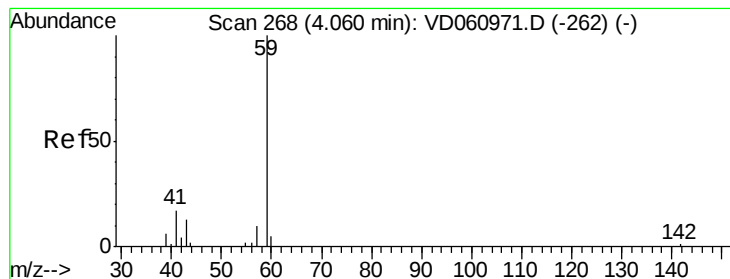
Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	142	Resp:	80443
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.8	55.2
141	14.5	11.2	16.8





#11

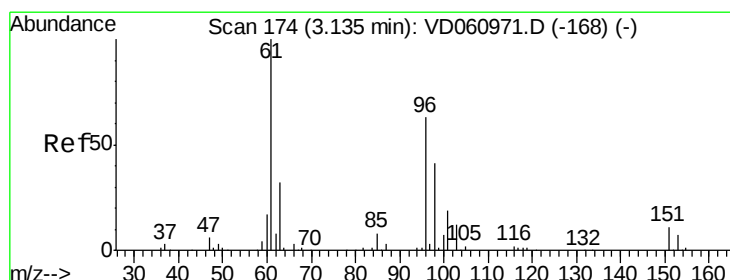
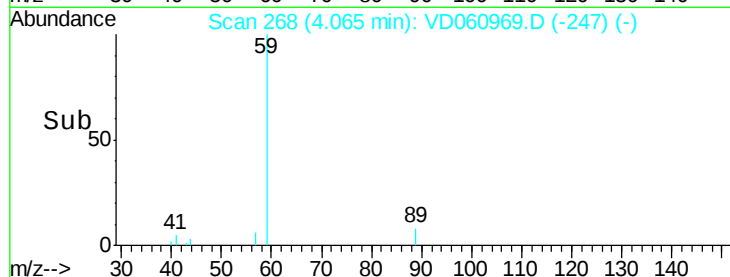
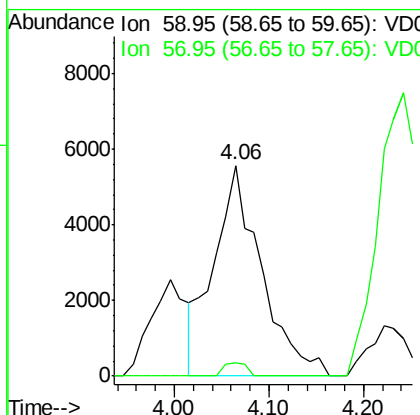
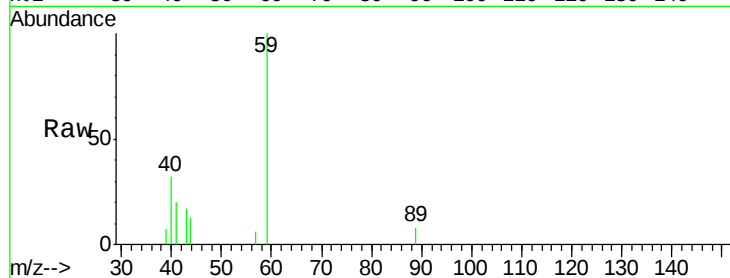
Tert butyl alcohol
 Concen: 44.741 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 59 Resp: 19304
 Ion Ratio Lower Upper
 59 100
 57 6.2 7.1 10.7#

Manual Integrations
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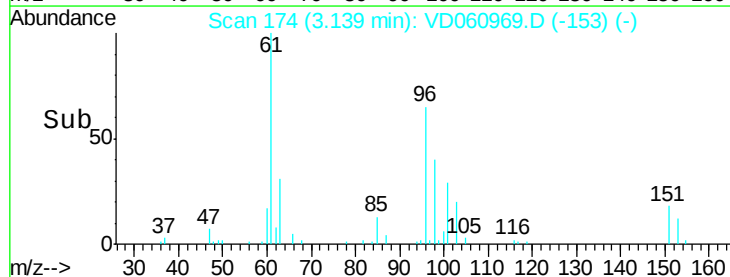
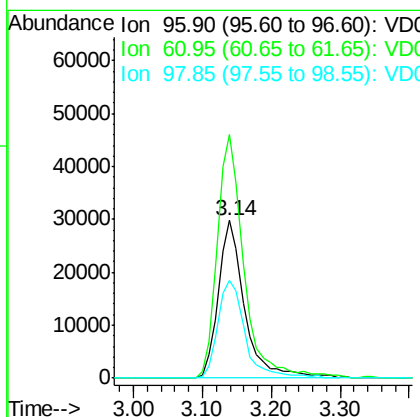
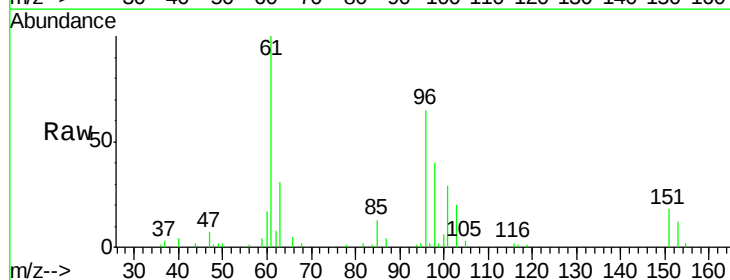
MMDadoda
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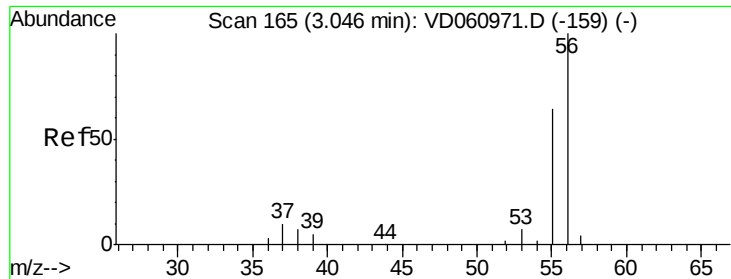


#12

1,1-Dichloroethene
 Concen: 9.956 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 96 Resp: 79172
 Ion Ratio Lower Upper
 96 100
 61 154.5 127.1 190.7
 98 61.7 51.5 77.3





#13

Acrolein

Concen: 44.545 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 26327

Ion Ratio Lower Upper

56 100

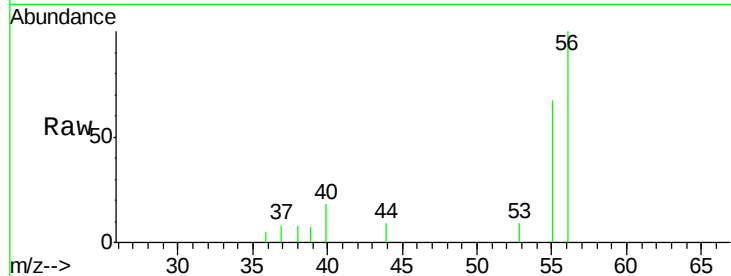
55 66.7 51.3 76.9

Manual Integrations

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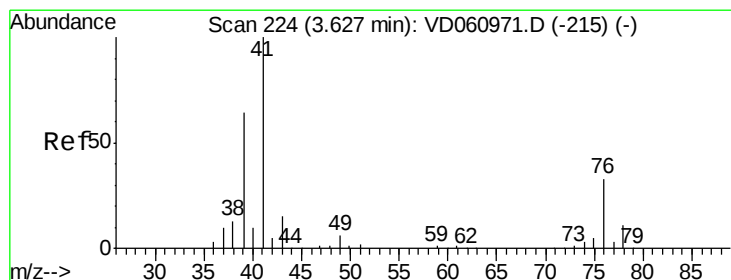
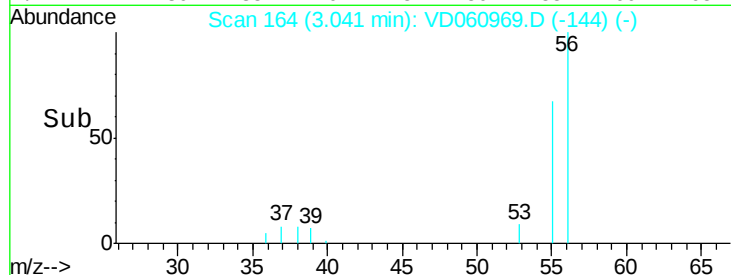
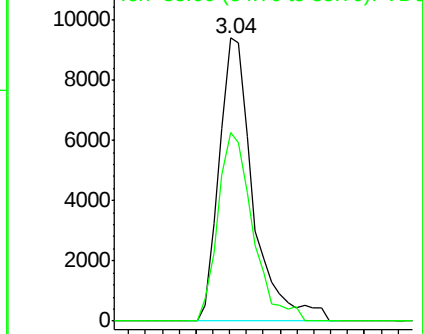
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.114 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

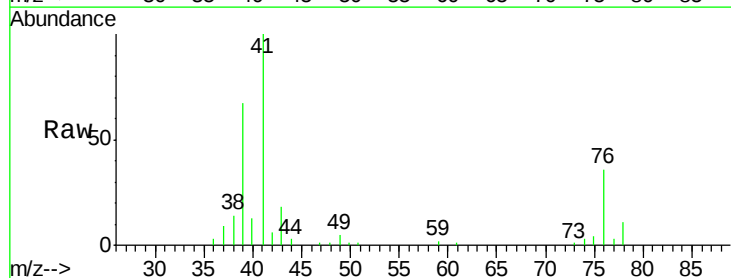
Tgt Ion: 41 Resp: 119907

Ion Ratio Lower Upper

41 100

39 67.2 51.1 76.7

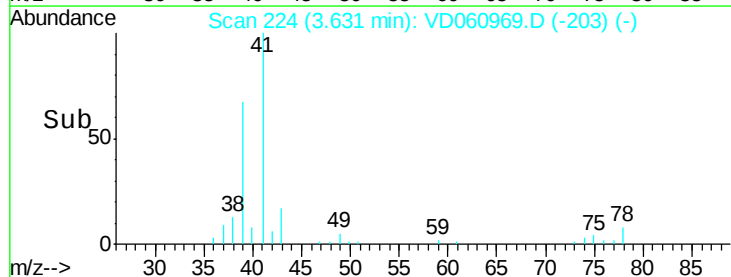
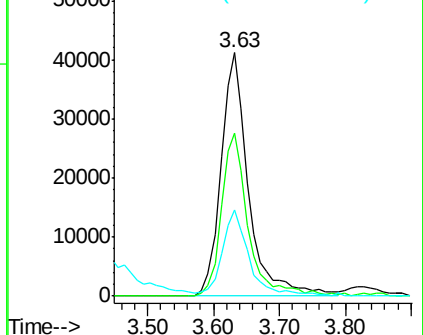
76 35.6 29.1 43.7

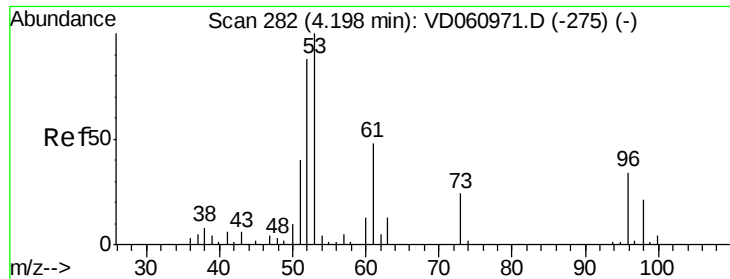


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





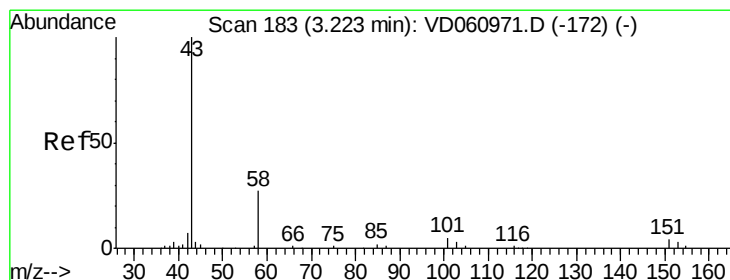
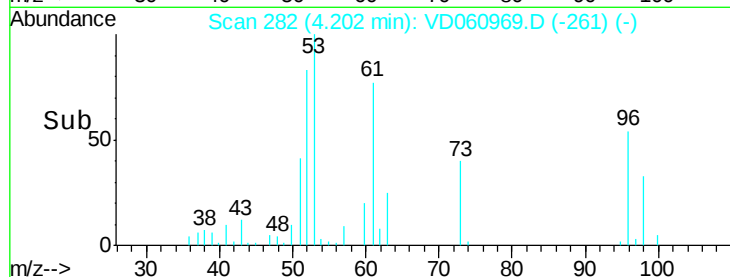
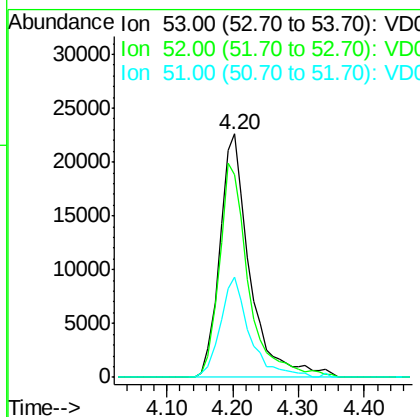
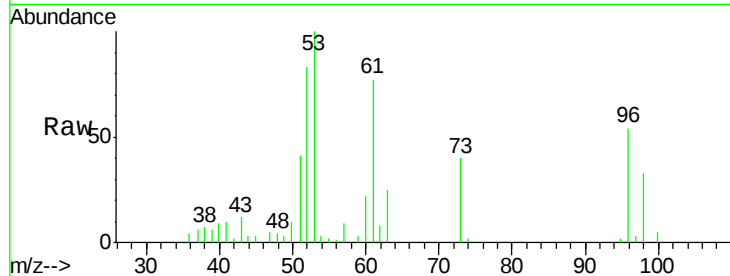
#15
 Acrylonitrile
 Concen: 44.059 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 53 Resp: 71697
 Ion Ratio Lower Upper
 53 100
 52 83.3 70.2 105.4
 51 41.4 31.7 47.5

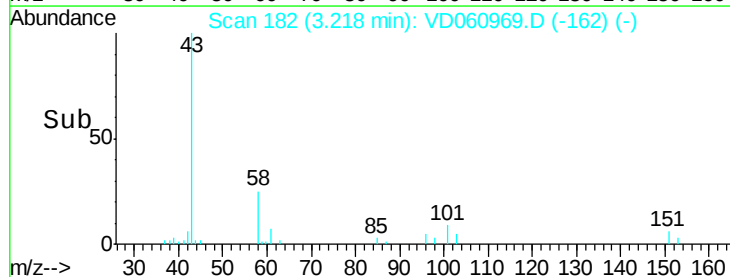
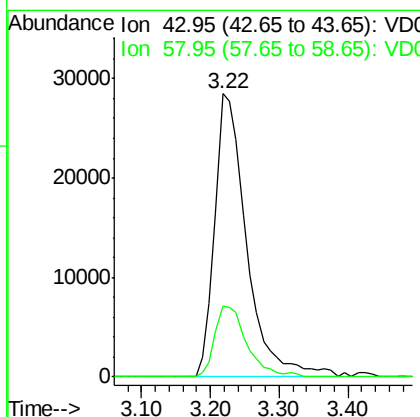
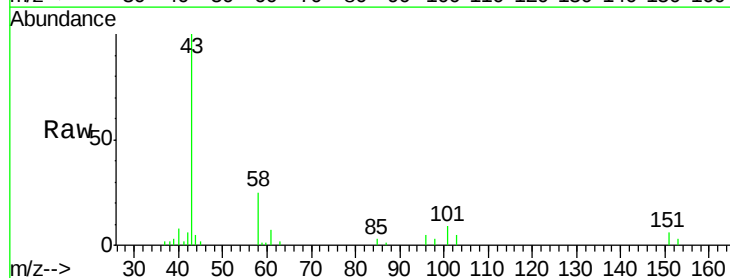
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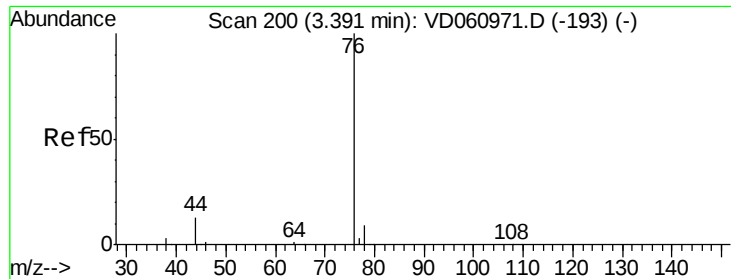
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#16
 Acetone
 Concen: 47.609 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 43 Resp: 91393
 Ion Ratio Lower Upper
 43 100
 58 25.1 21.6 32.4





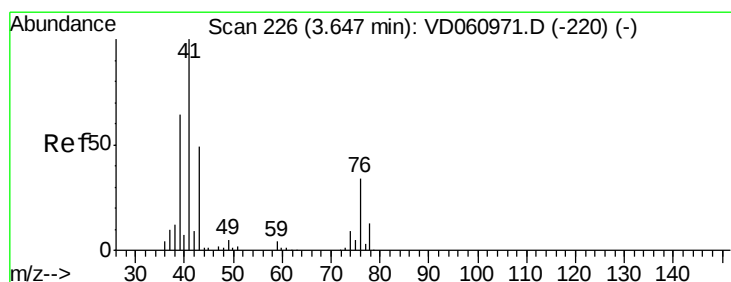
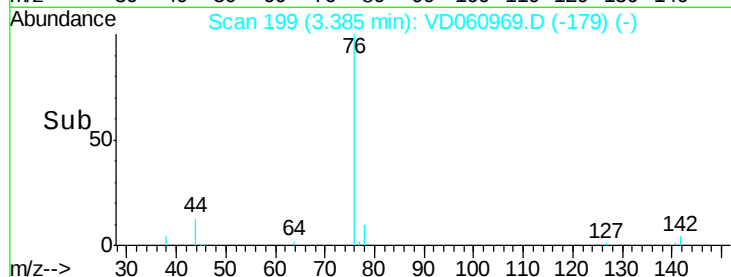
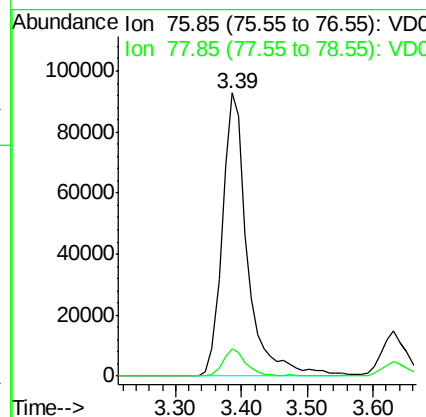
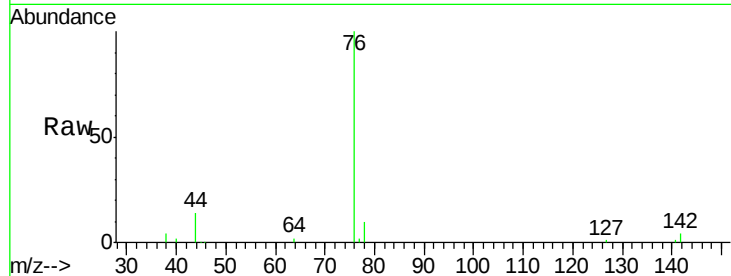
#17
Carbon Disulfide
Concen: 8.734 ug/l
RT: 3.39 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 246685
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2

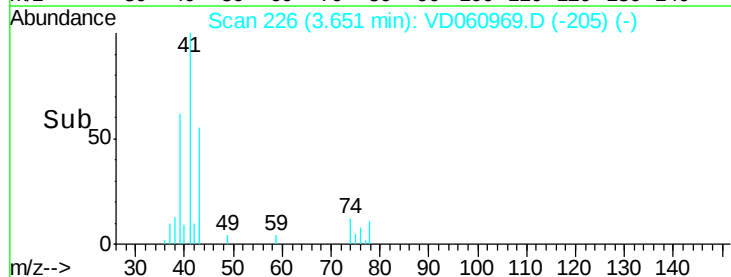
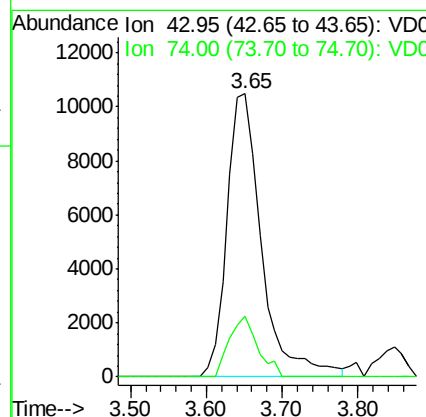
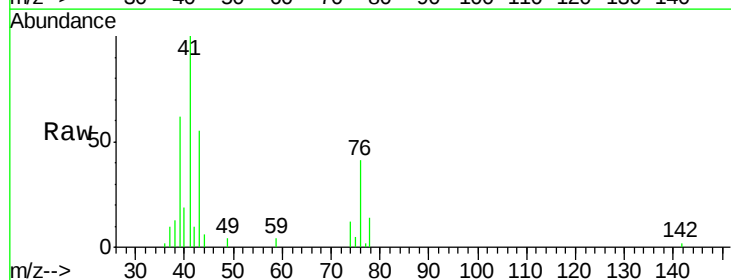
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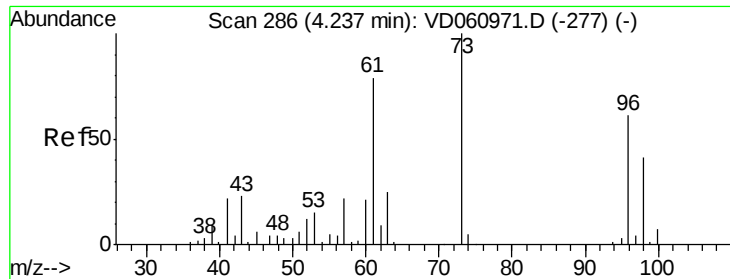
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#18
Methyl Acetate
Concen: 8.438 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 43 Resp: 33273
Ion Ratio Lower Upper
43 100
74 21.4 14.6 21.8





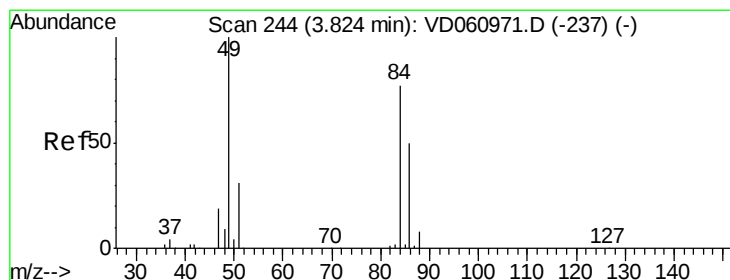
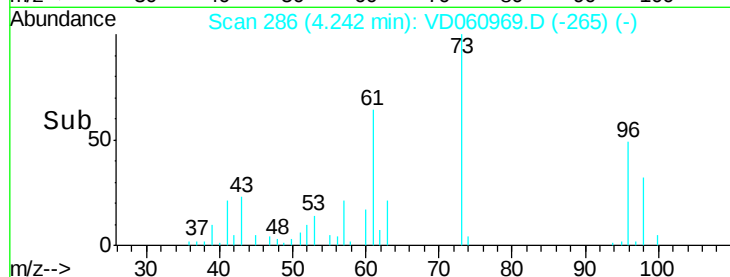
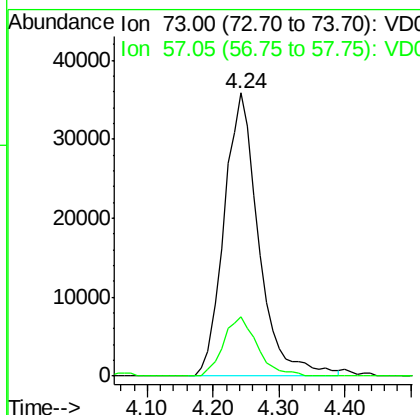
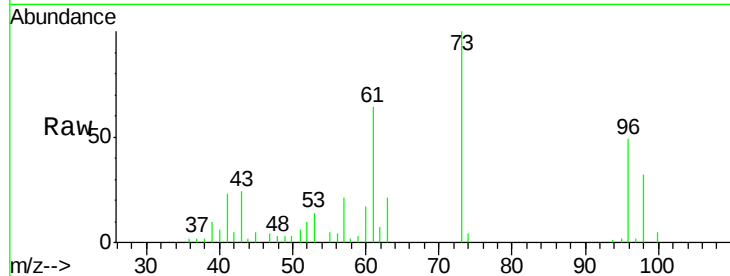
#19
Methvl tert-butvl Ether
Concen: 9.322 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 131865
Ion Ratio Lower Upper
73 100
57 20.9 17.7 26.5

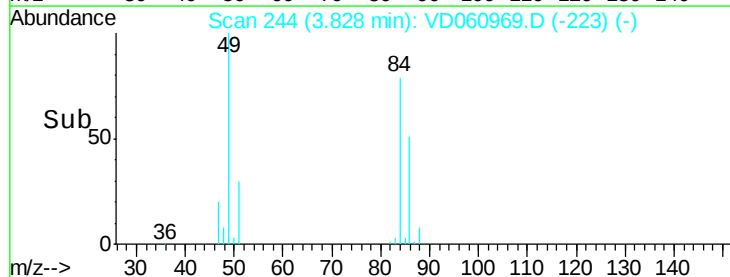
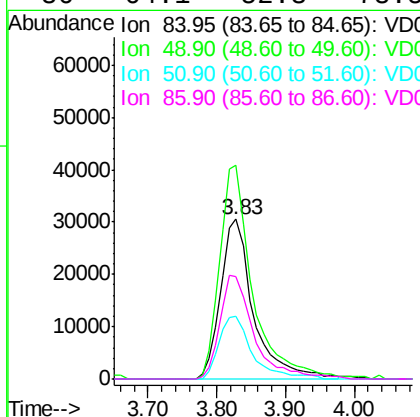
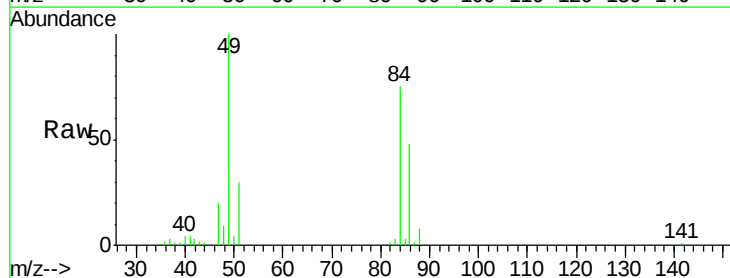
Manual Integrations
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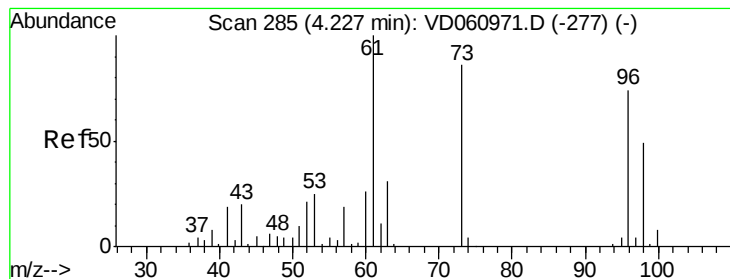
MMDadoda
3/8/2019 9:46:48 PM



#20
Methylene Chloride
Concen: 9.469 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 84 Resp: 101406
Ion Ratio Lower Upper
84 100
49 133.8 104.2 156.2
51 39.5 32.3 48.5
86 64.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 9.182 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 80259

Ion Ratio Lower Upper

96 100

61 126.3 108.4 162.6

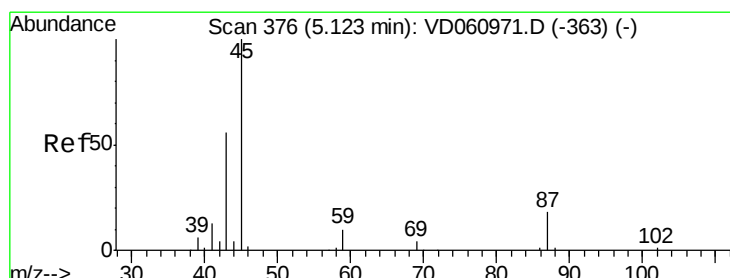
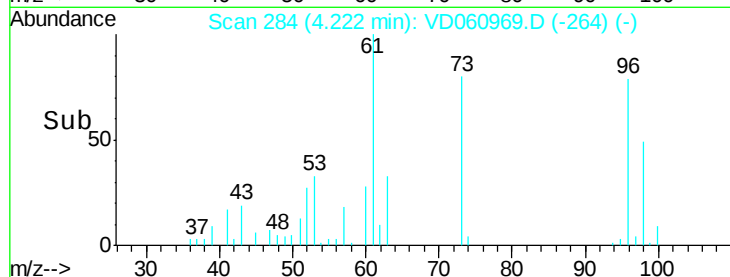
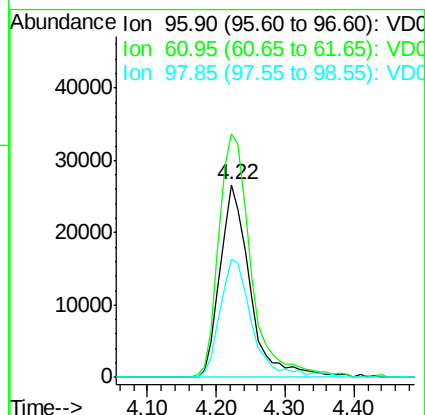
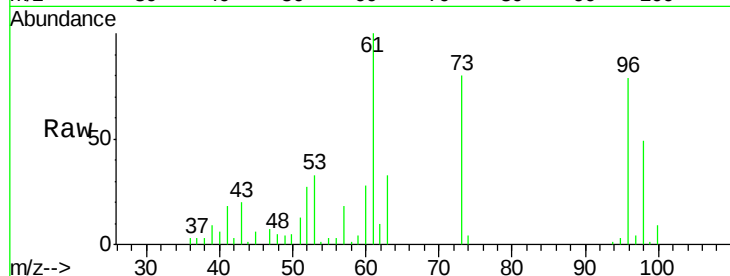
98 61.4 53.0 79.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 8.908 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion: 45 Resp: 246830

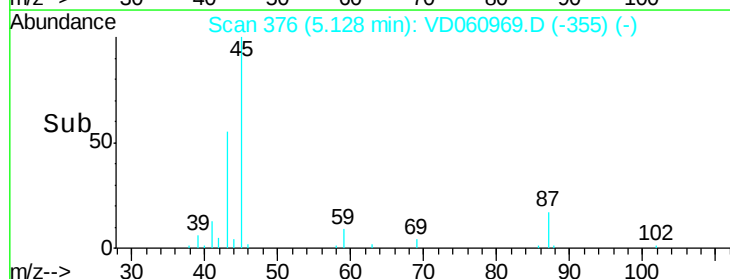
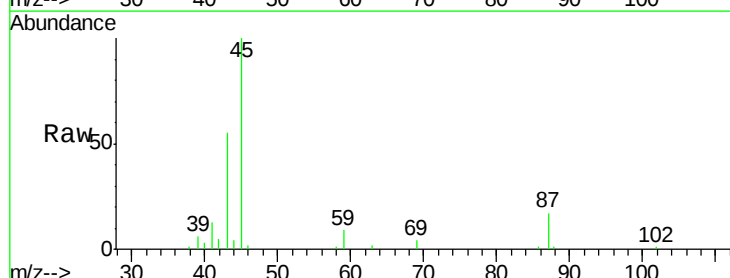
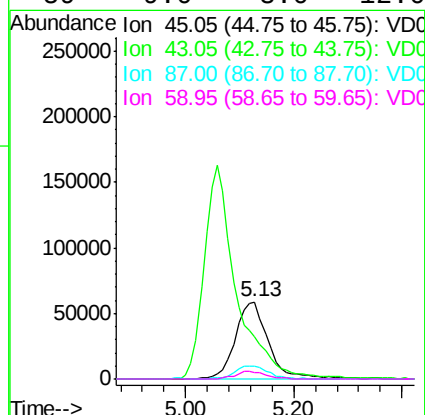
Ion Ratio Lower Upper

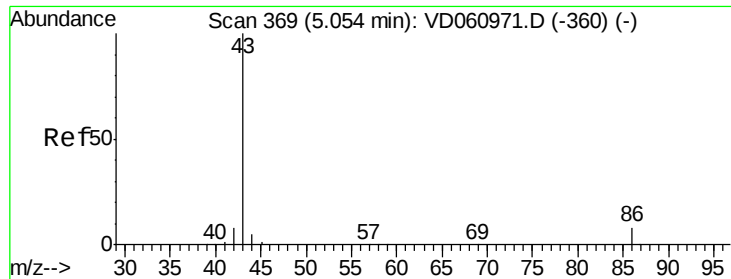
45 100

43 55.3 45.8 68.8

87 16.8 14.9 22.3

59 9.0 8.0 12.0





#23

Vinyl Acetate

Concen: 45.883 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 666215

Ion Ratio Lower Upper

43 100

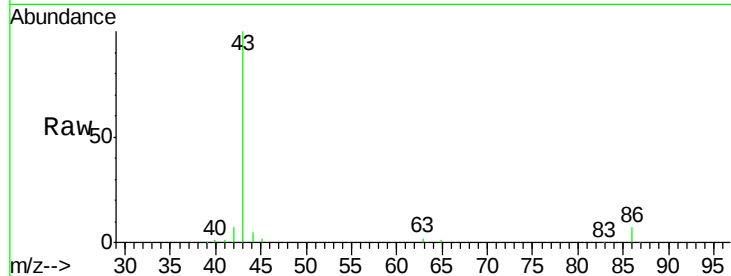
86 7.5 6.2 9.2

Manual Integrations

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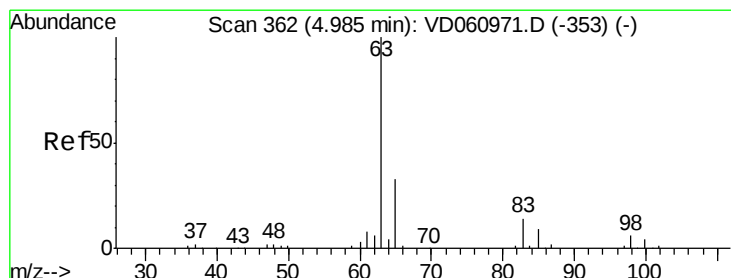
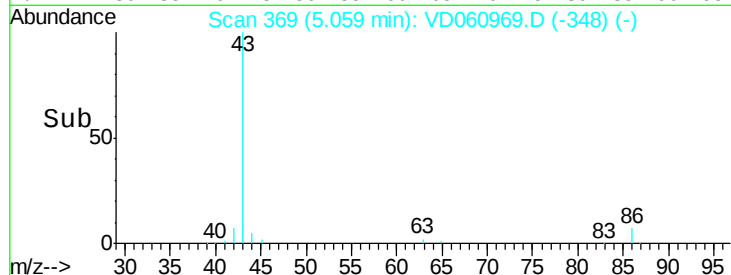
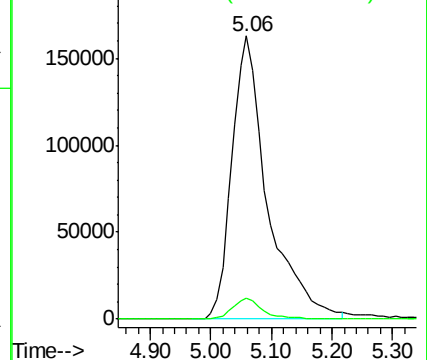
MMDadoda

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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: 9.028 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

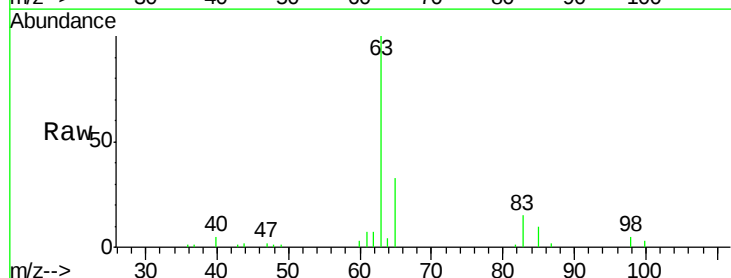
Tgt Ion: 63 Resp: 134514

Ion Ratio Lower Upper

63 100

98 4.8 3.0 9.2

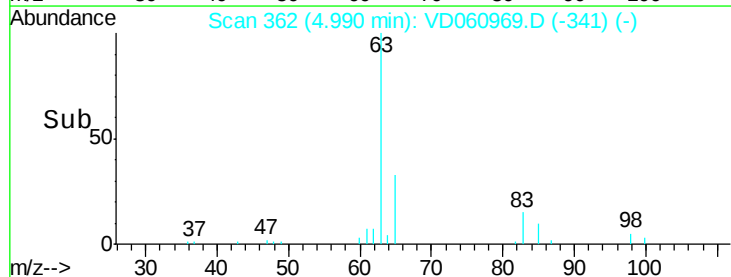
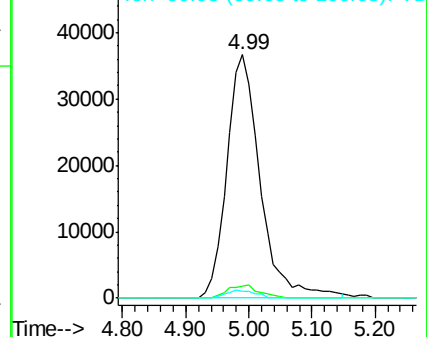
100 2.9 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 40.632 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tot Ion: 43 Resp: 95915

Ion Ratio Lower Upper

43 100

72 20.0 16.7 25.1

Instrument :

MSVOA_D

ClientSampleId :

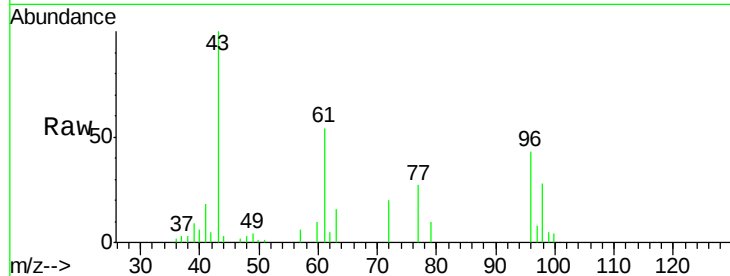
VSTDIC010

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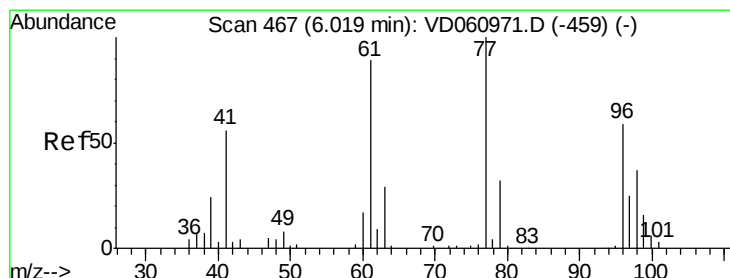
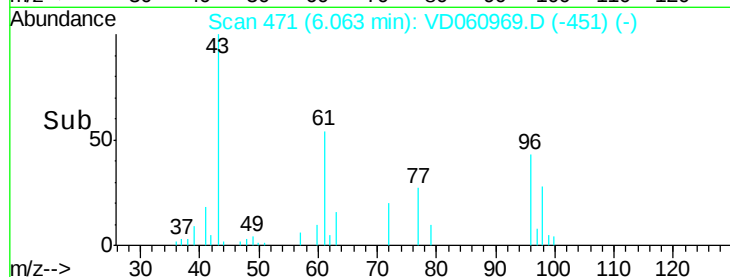
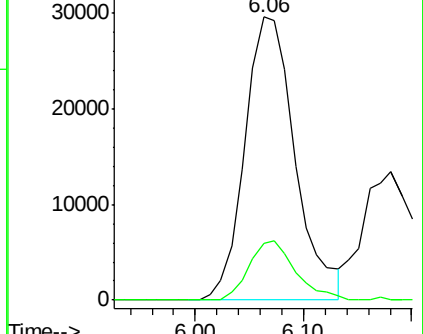
MMDadoda

3/8/2019 9:46:48 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 9.262 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060969.D

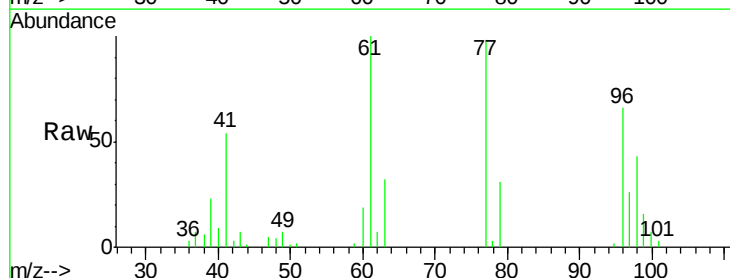
Acq: 7 Mar 2019 15:35

Tgt Ion: 77 Resp: 102555

Ion Ratio Lower Upper

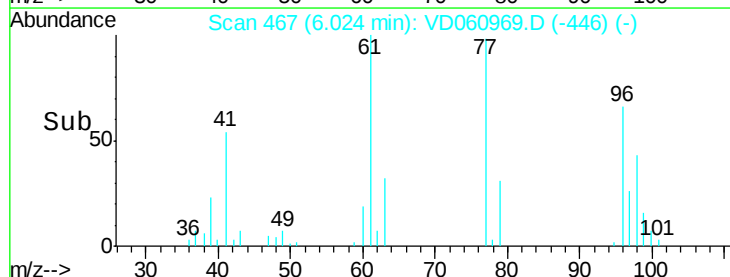
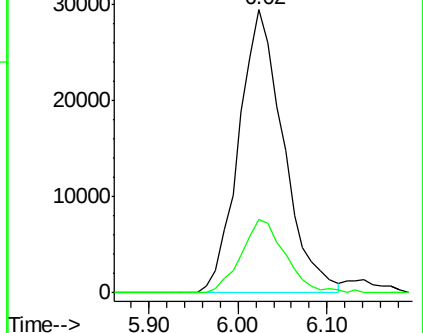
77 100

97 25.9 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

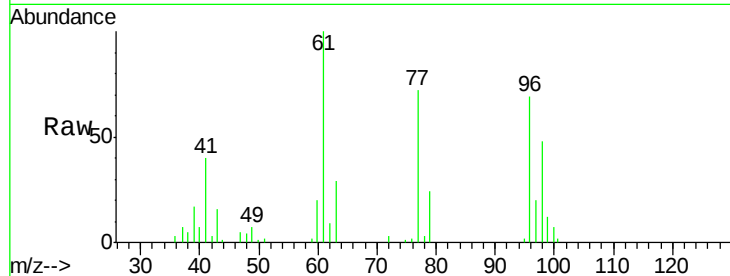
cis-1,2-Dichloroethene
Concen: 8.361 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

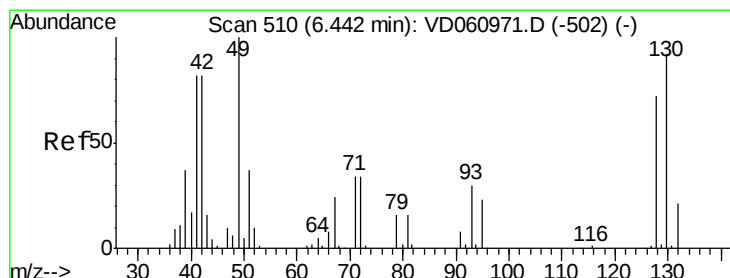
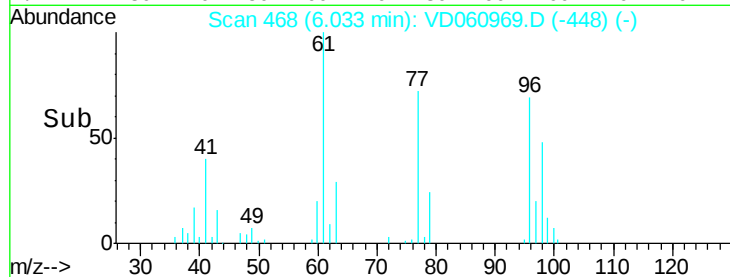
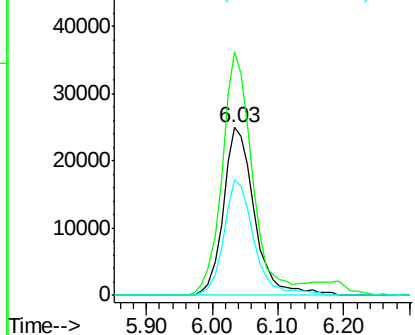
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	273.6
98	69.1	0.0	132.6

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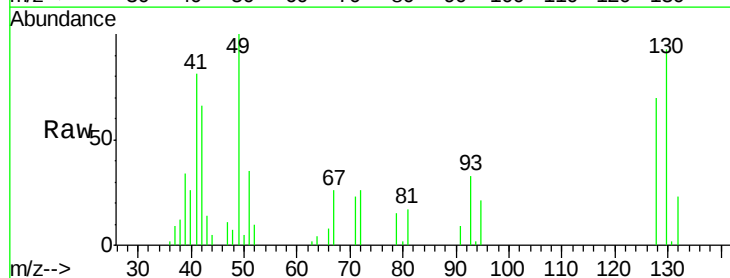
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



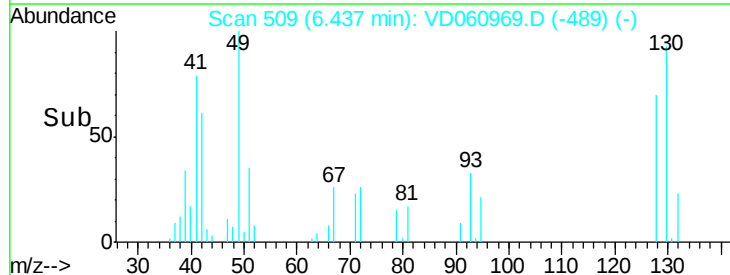
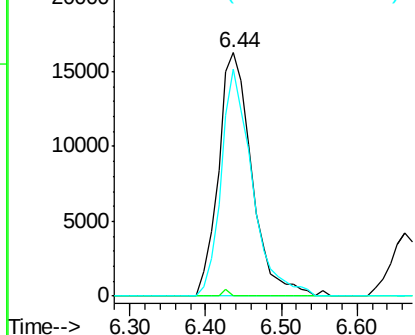
#28

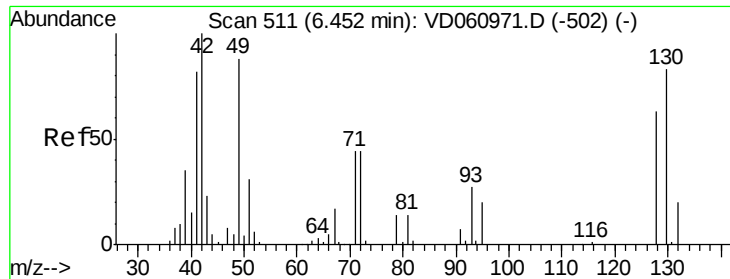
Bromochloromethane
Concen: 8.035 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	93.0	73.8	110.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





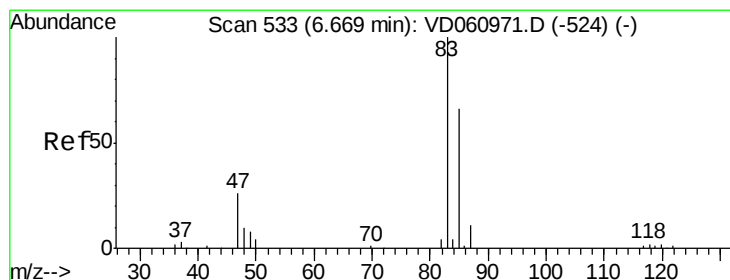
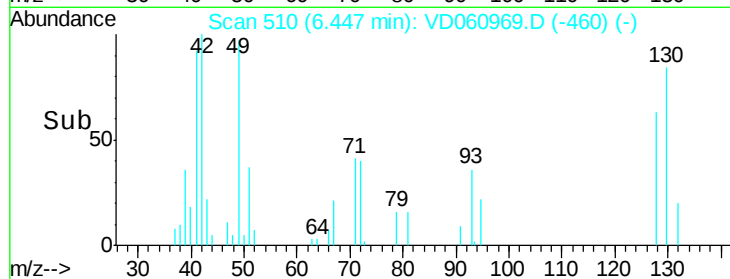
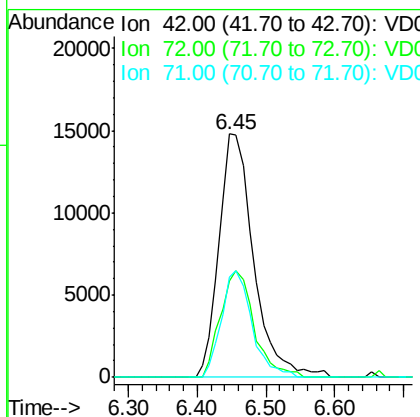
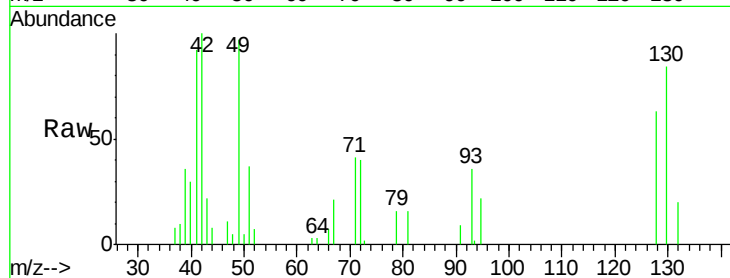
#29
Tetrahydrofuran
Concen: 41.713 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.5	51.7
71	38.6	33.8	50.6

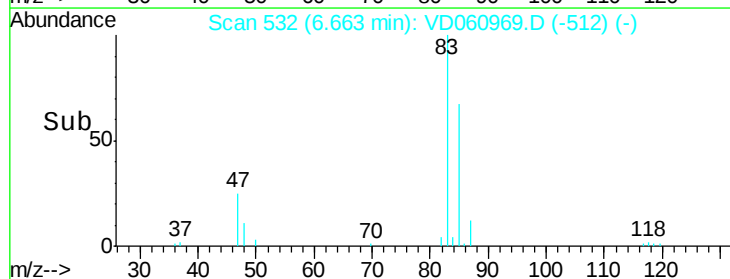
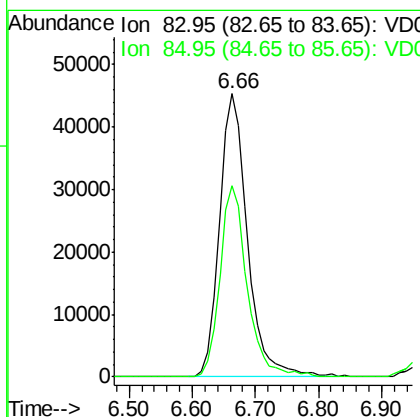
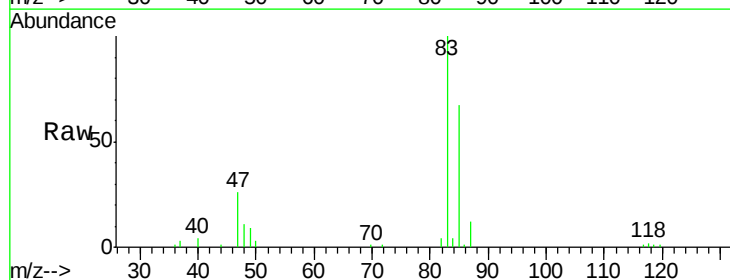
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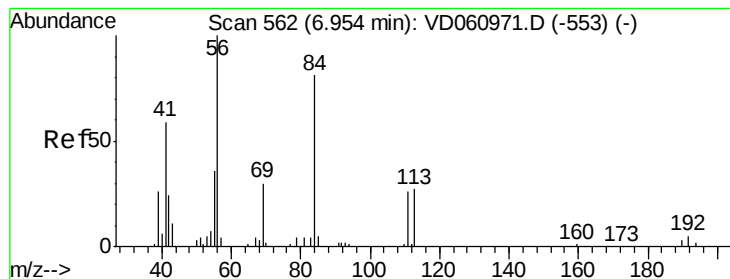
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#30
Chloroform
Concen: 9.703 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	53.0	79.4





#31

Cyclohexane

Concen: 8.871 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

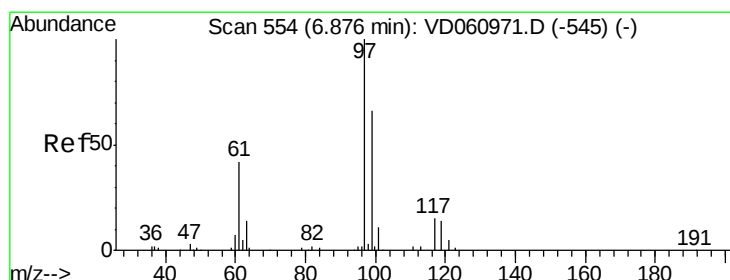
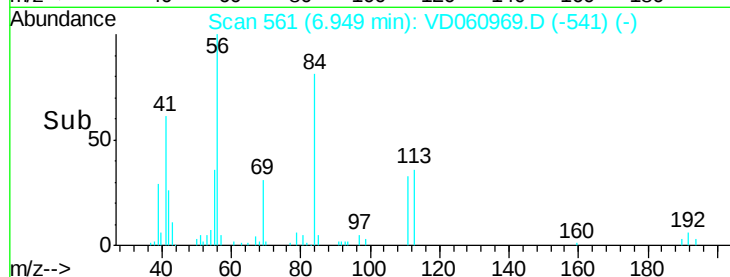
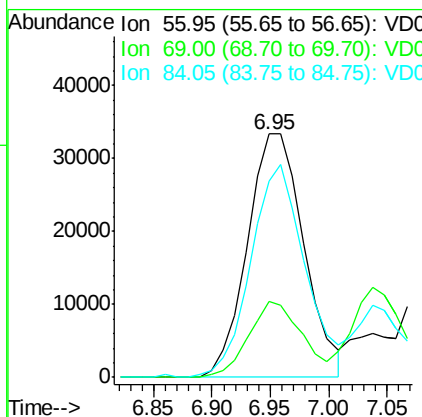
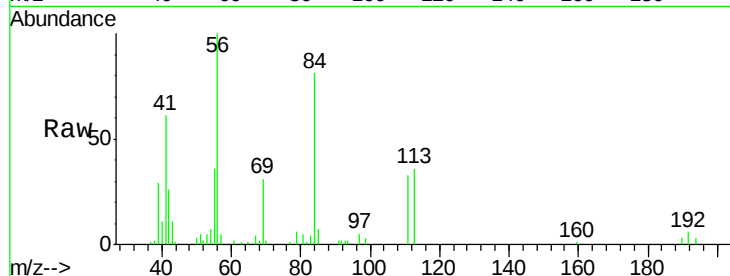
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	112165
Ion Ratio		Lower	Upper
56	100		
69	31.2	24.0	36.0
84	80.8	65.8	98.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.557 ug/l

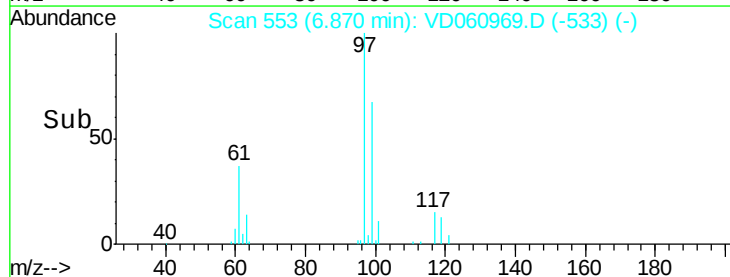
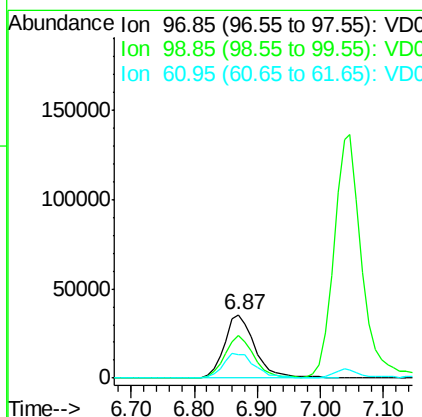
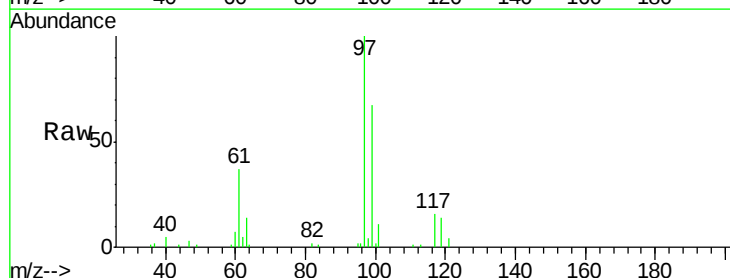
RT: 6.87 min Scan# 553

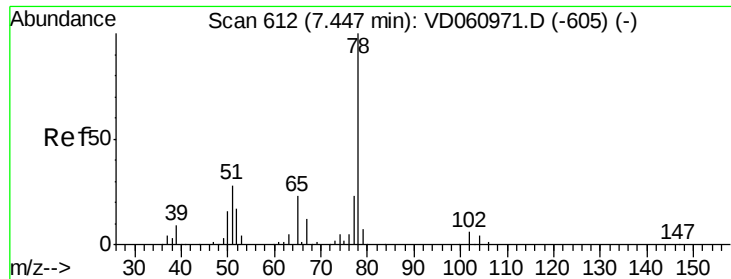
Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	97	Resp:	118506
Ion Ratio		Lower	Upper
97	100		
99	67.3	53.2	79.8
61	37.3	33.8	50.8





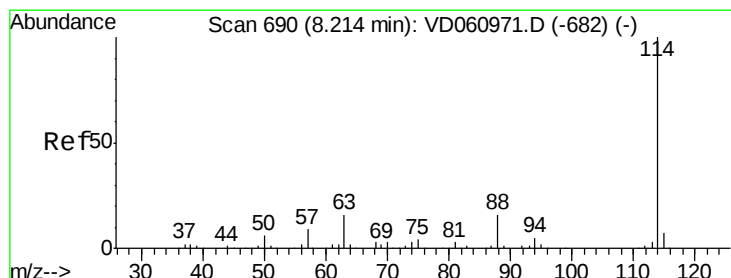
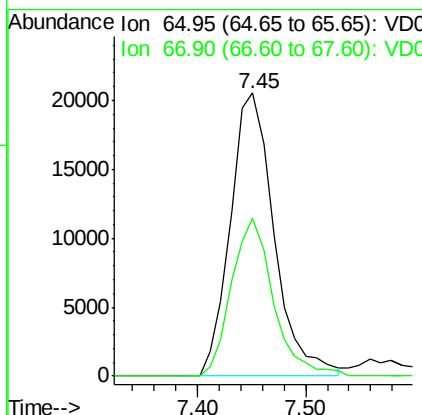
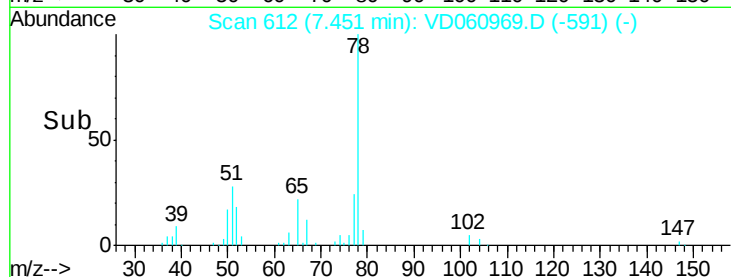
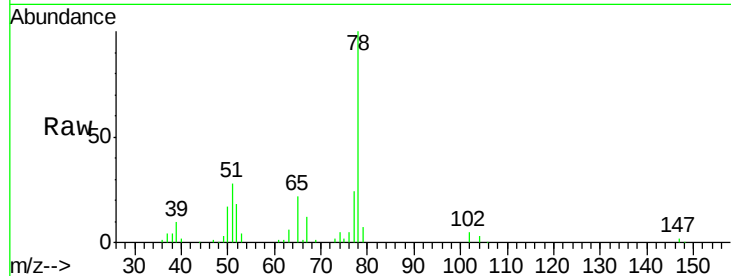
#33
 1,2-Dichloroethane-d4
 Concen: 9.557 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 65 Resp: 57976
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 105.2

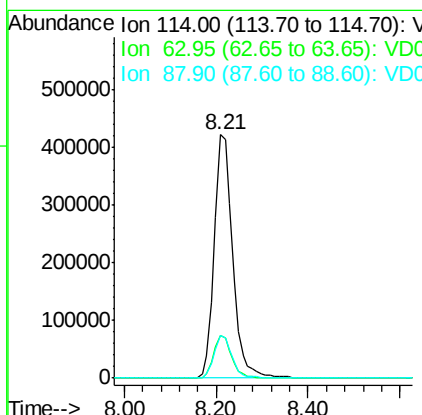
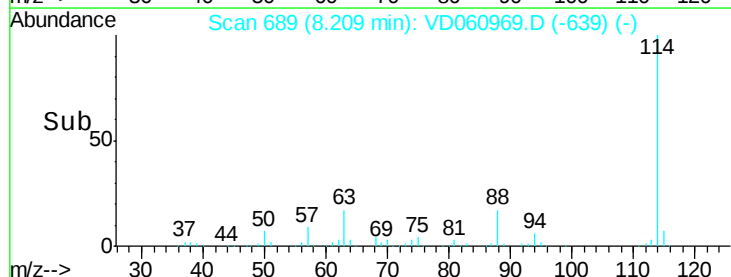
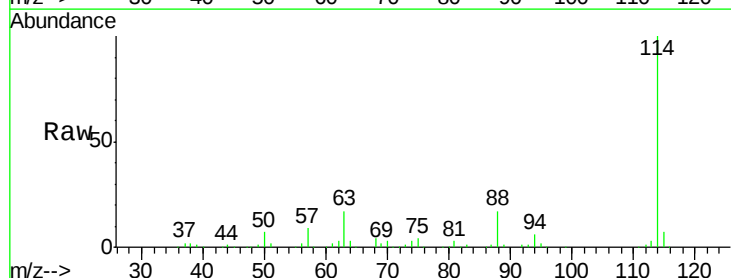
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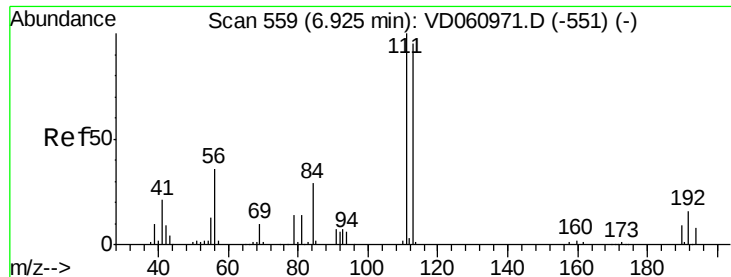
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 114 Resp: 1166255
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 31.4
 88 17.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

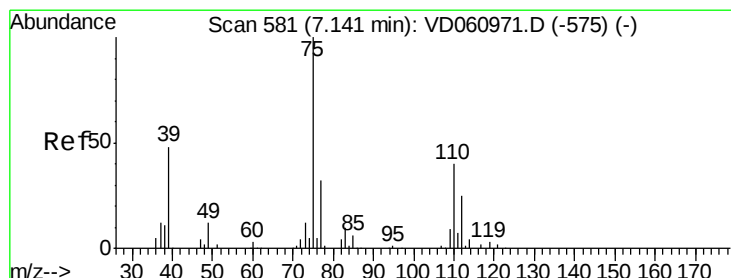
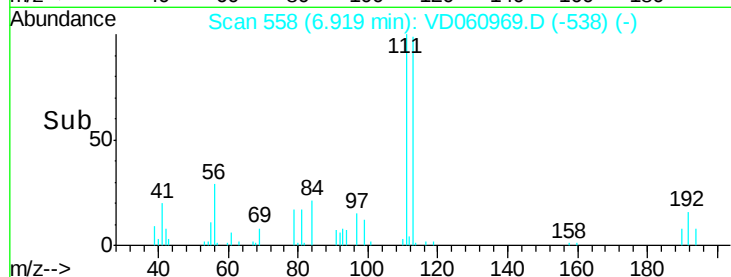
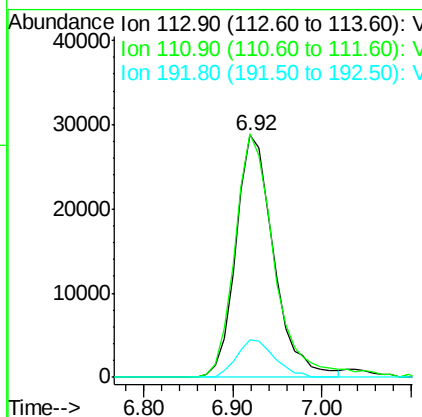
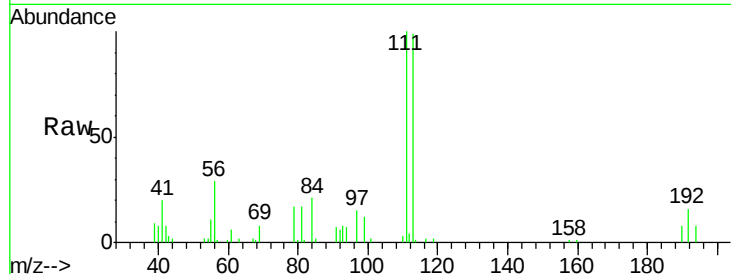
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	85055
Ion	Ratio	Lower	Upper
113	100		
111	100.6	84.2	126.4
192	15.7	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 10.750 ug/l

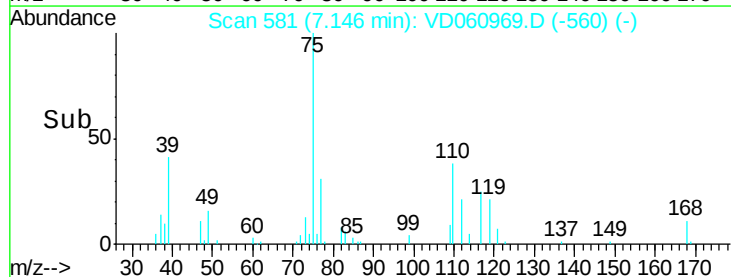
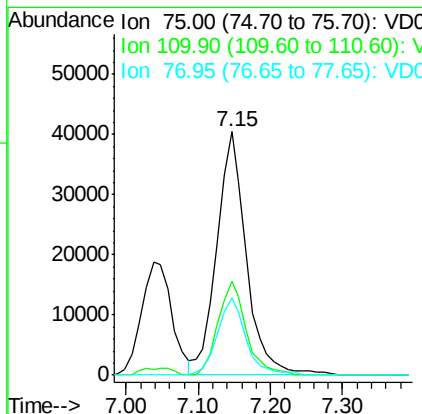
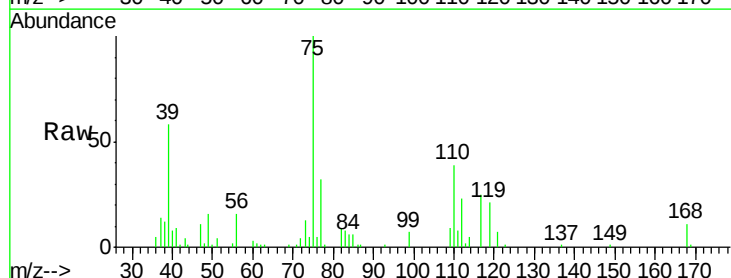
RT: 7.15 min Scan# 581

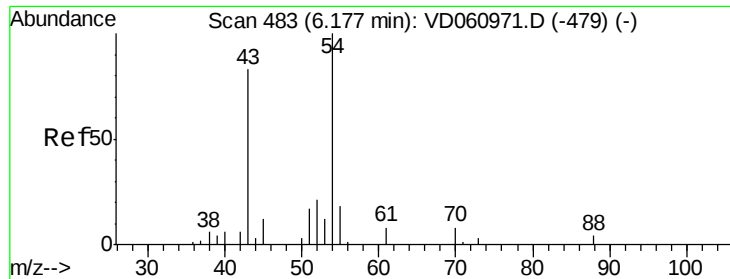
Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	75	Resp:	114954
Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.7	59.1
77	31.8	24.7	37.1





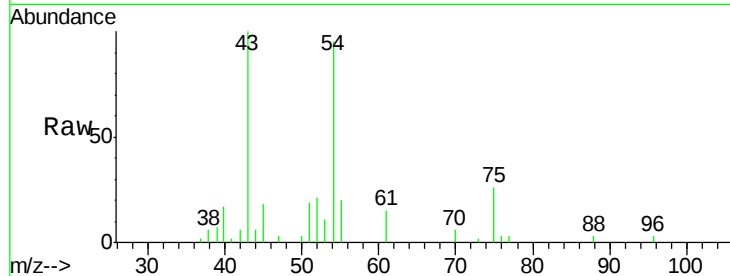
#37
Ethyl Acetate
Concen: 8.946 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

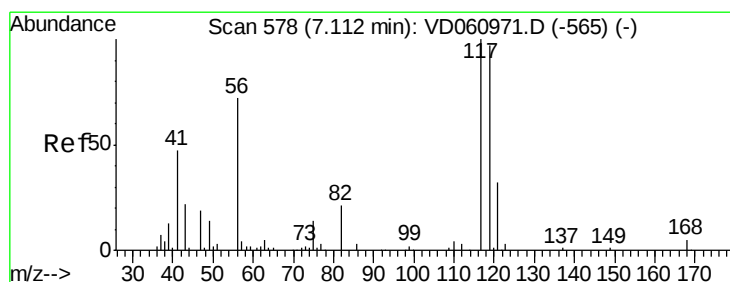
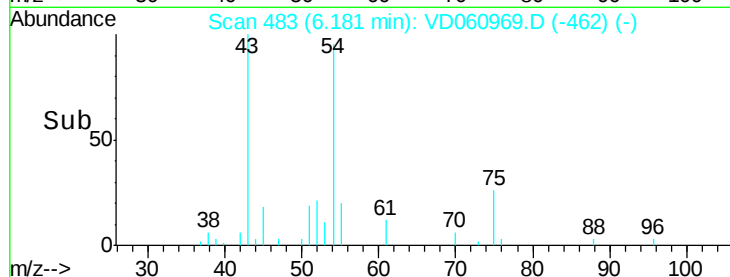
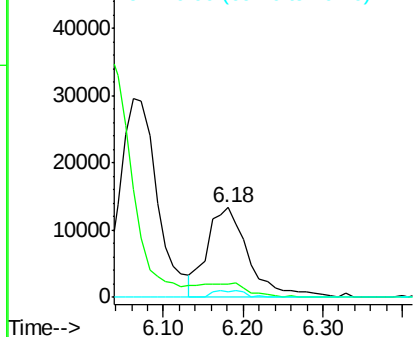
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	13.7	20.5
70	5.9	7.1	10.7

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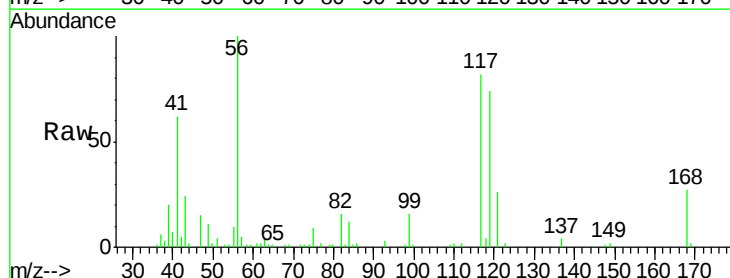


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

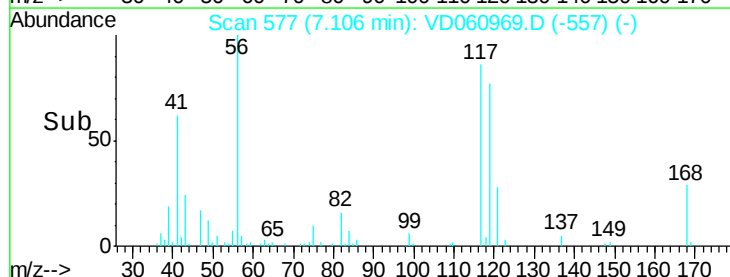
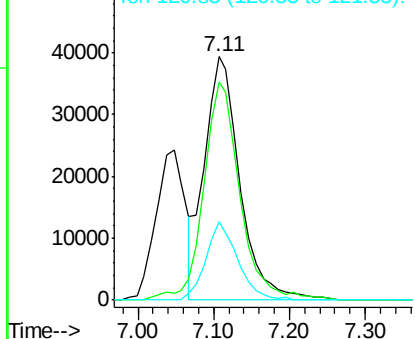


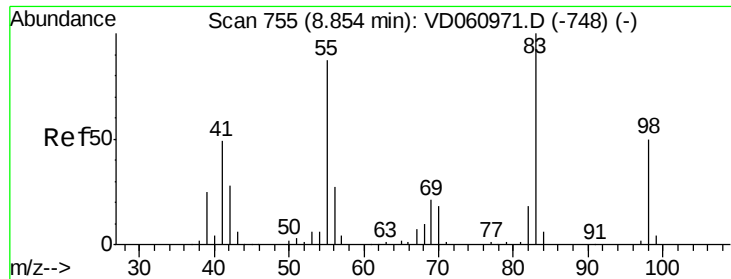
#38
Carbon Tetrachloride
Concen: 11.121 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.8	77.8	116.8
121	32.1	25.3	37.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





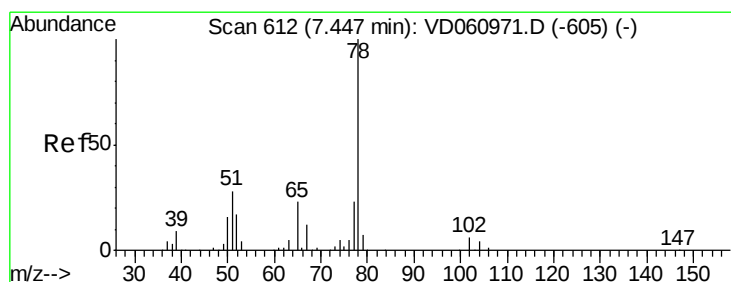
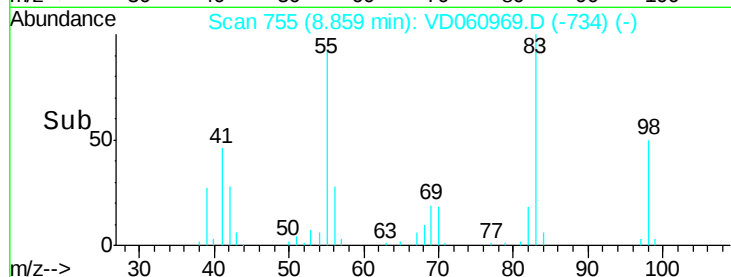
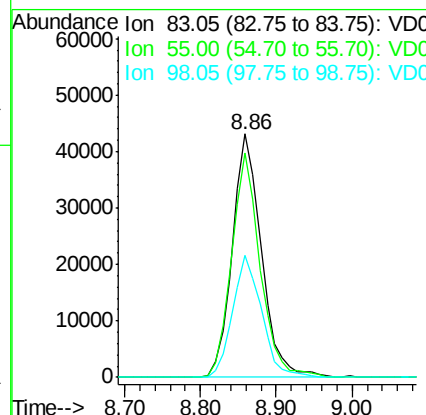
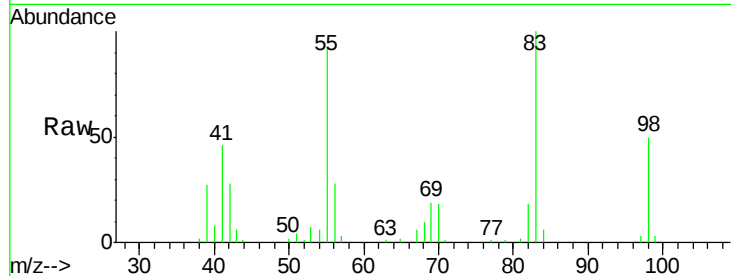
#39
Methvlcvclohexane
Concen: 9.808 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.2	69.6	104.4
98	50.3	40.0	60.0

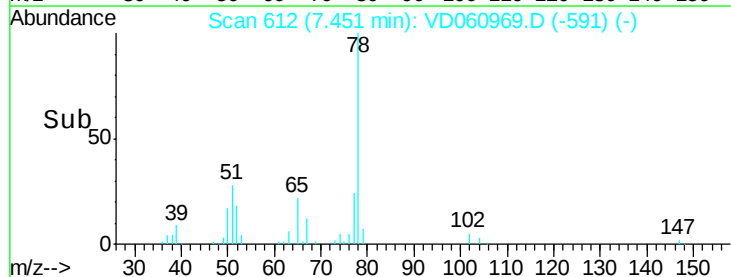
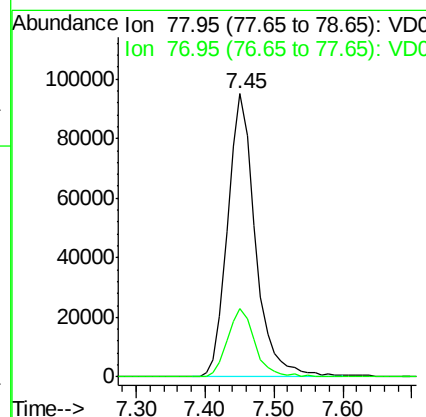
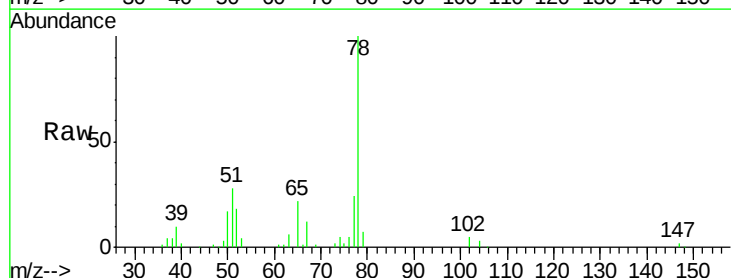
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#40
Benzene
Concen: 9.618 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





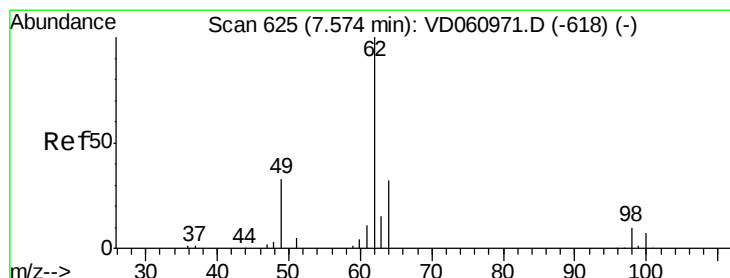
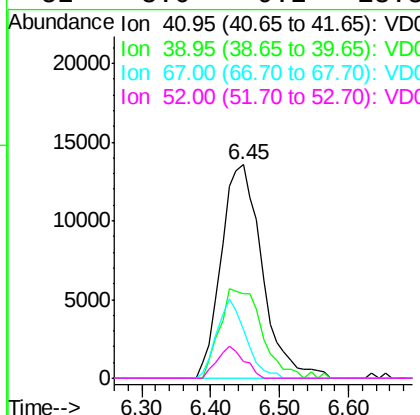
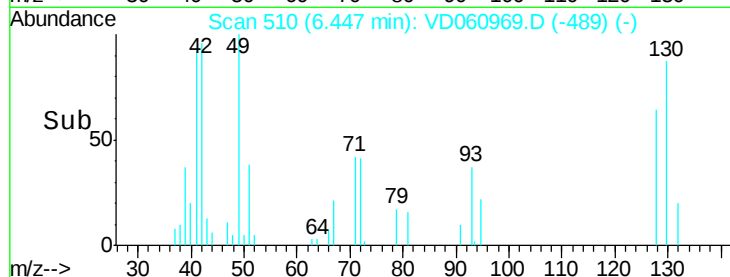
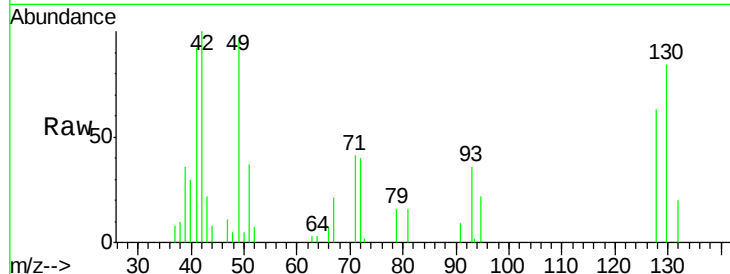
#41
Methacrylonitrile
Concen: 14.244 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	39.6	35.7	53.5
67	22.7	23.0	34.6
52	8.0	9.2	13.8

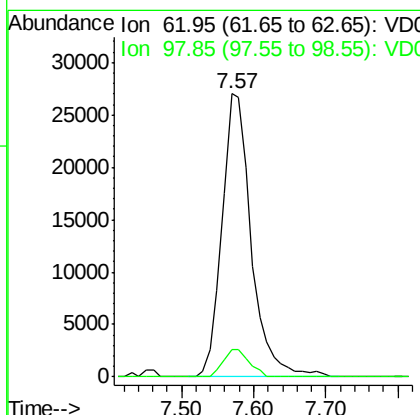
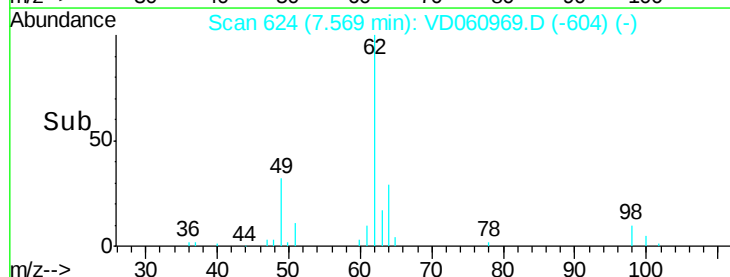
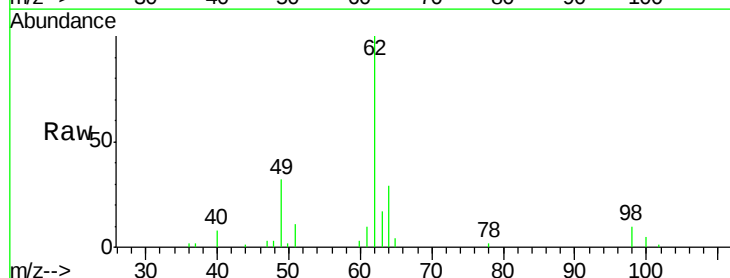
Manual Integrations
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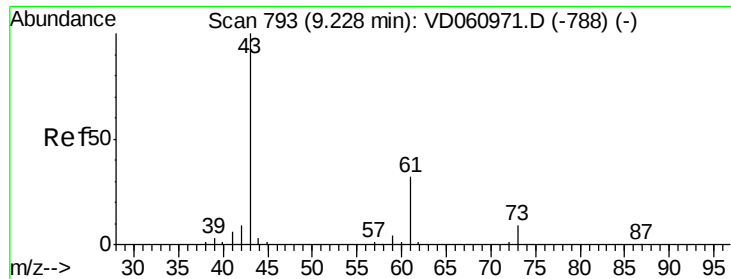
MMDadoda
3/8/2019 9:46:48 PM



#42
1,2-Dichloroethane
Concen: 9.724 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.4





#43

Isopropyl Acetate

Concen: 8.489 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

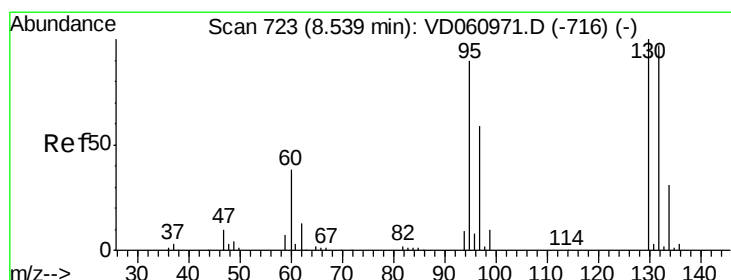
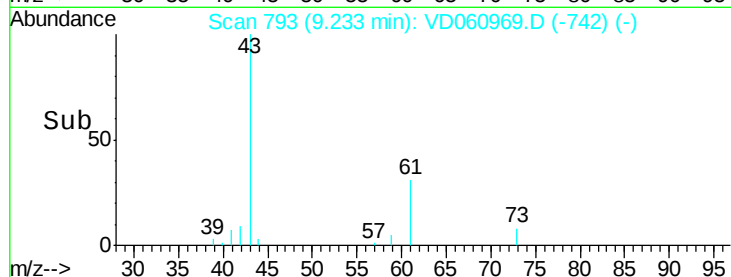
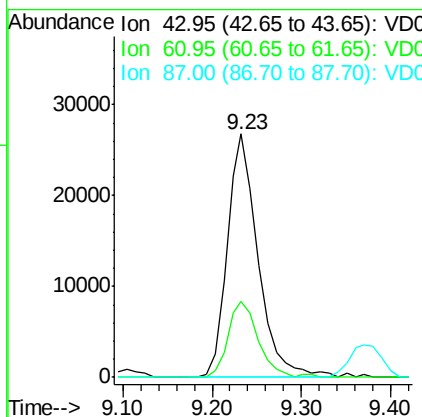
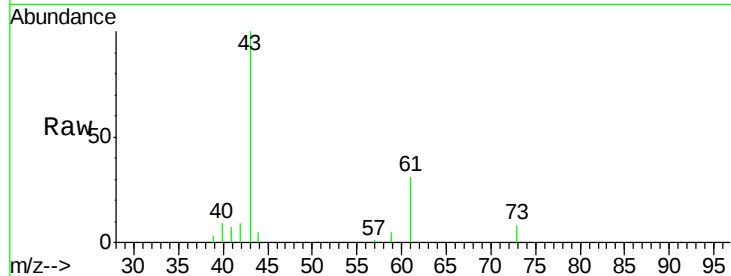
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	64544
Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.6	38.4
87	0.0	0.2	0.4

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#44

Trichloroethene

Concen: 9.335 ug/l

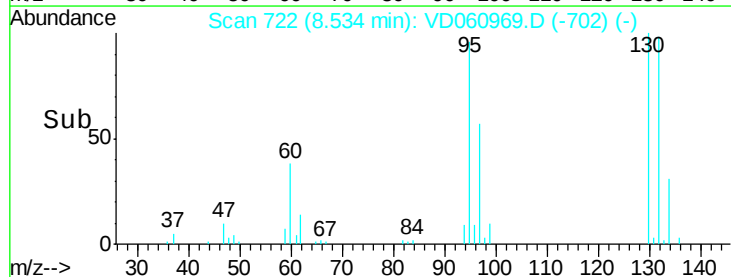
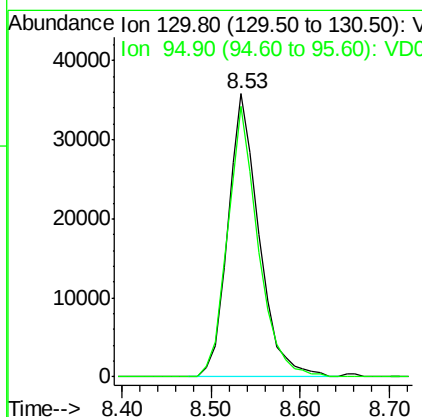
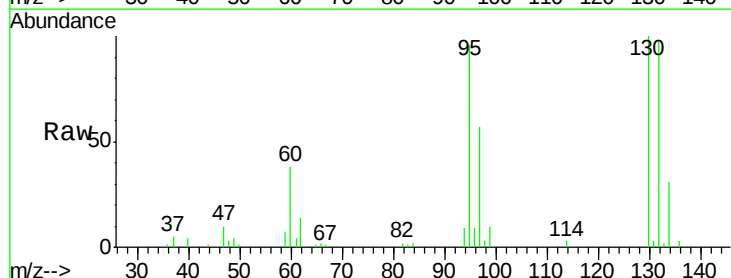
RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	130	Resp:	87406
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	179.4





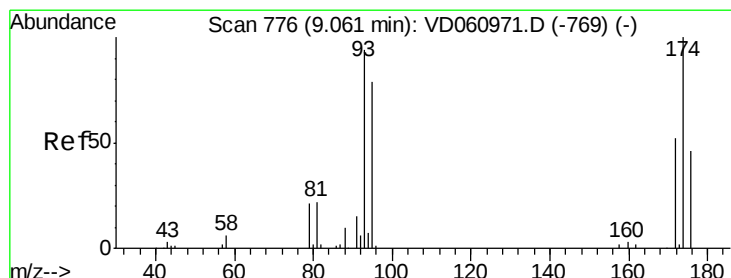
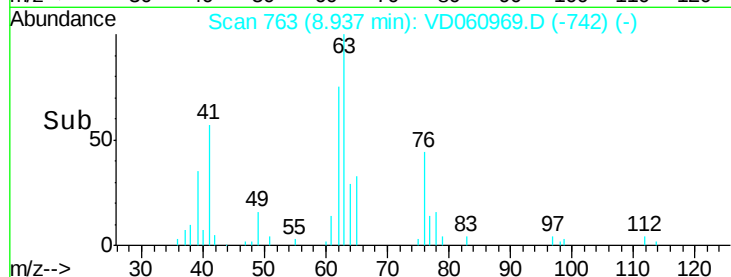
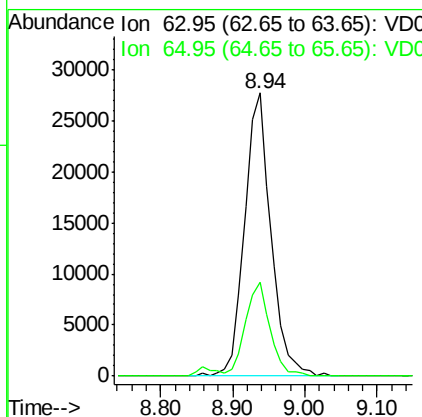
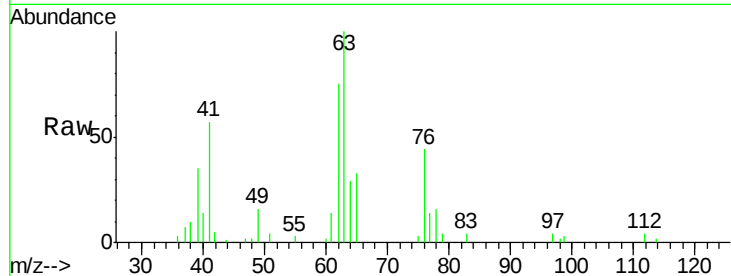
#45
 1,2-Dichloropropane
 Concen: 9.767 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 70816
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.8 37.2

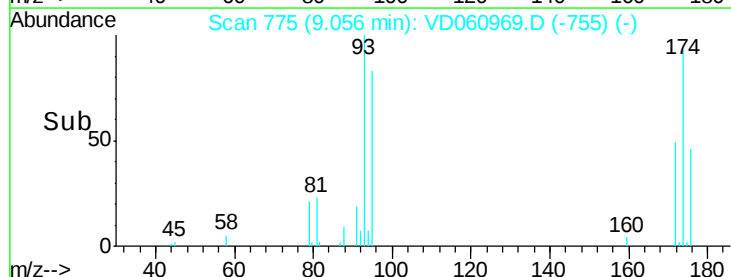
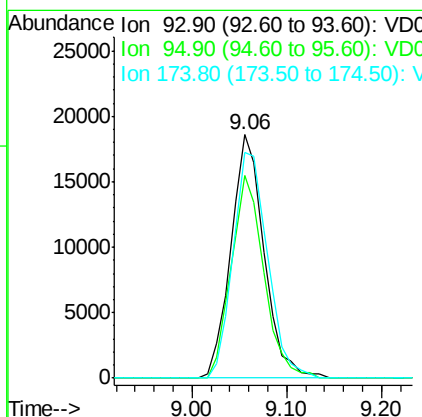
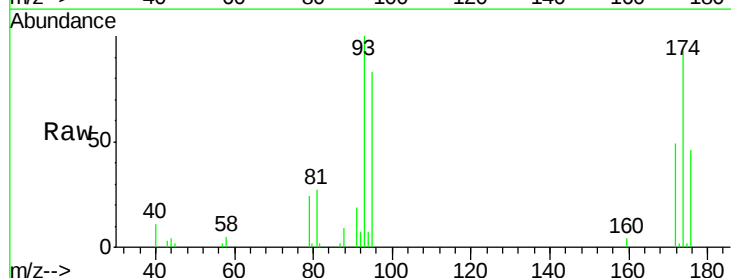
Manual Integrations
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#46
 Dibromomethane
 Concen: 9.711 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 93 Resp: 45051
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.4 101.0
 174 92.7 85.4 128.0





#47

Bromodichloromethane

Concen: 9.144 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

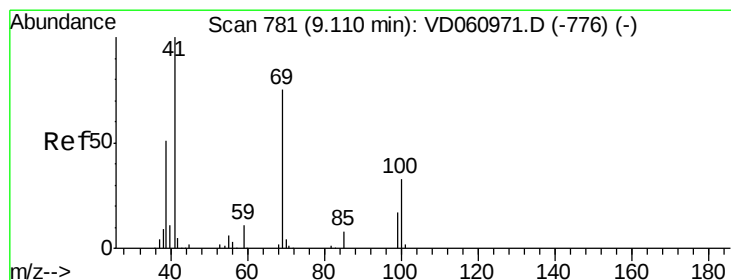
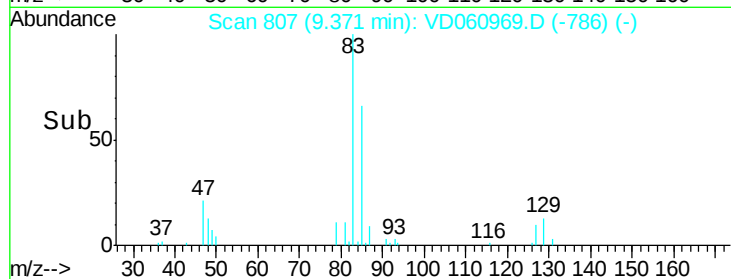
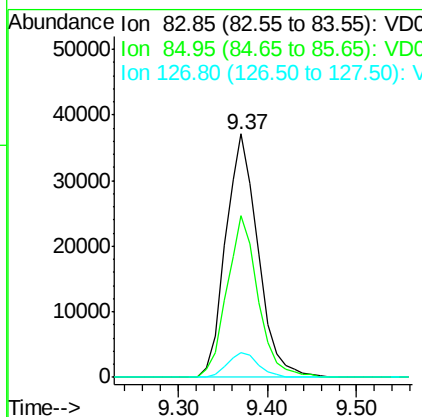
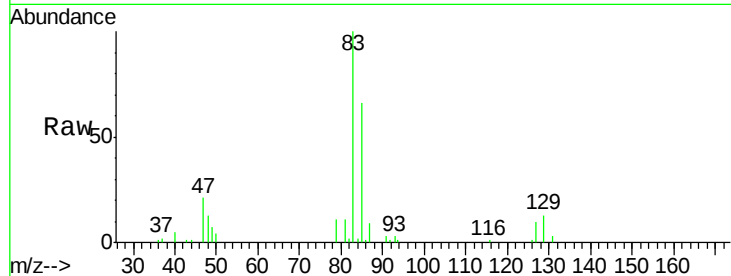
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	94144
Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.5	78.7
127	10.0	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.400 ug/l

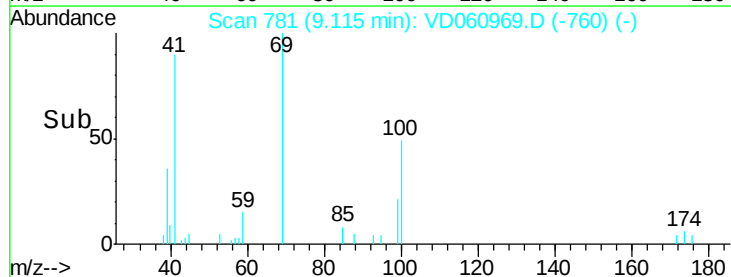
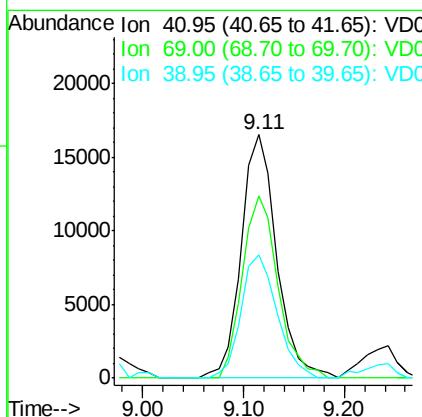
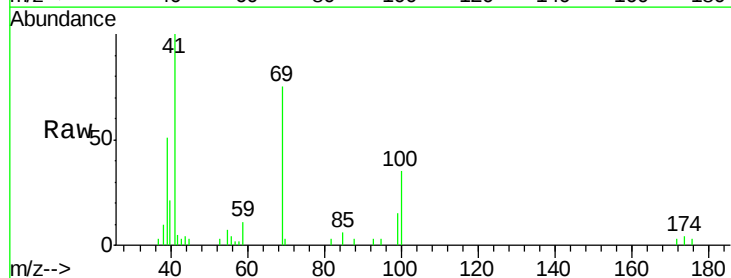
RT: 9.11 min Scan# 781

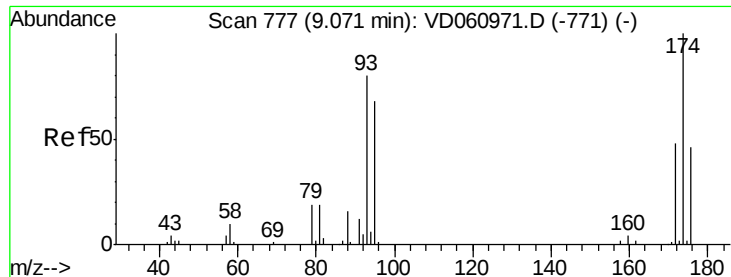
Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	41	Resp:	40408
Ion	Ratio	Lower	Upper
41	100		
69	74.7	59.9	89.9
39	50.7	40.9	61.3





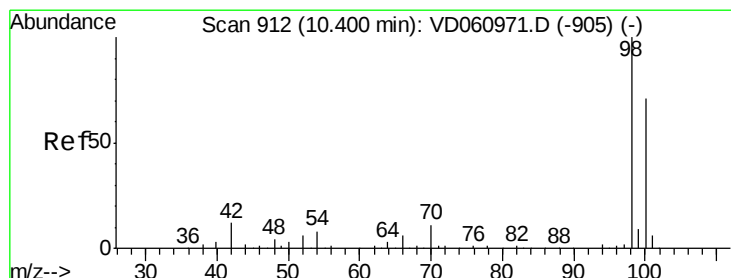
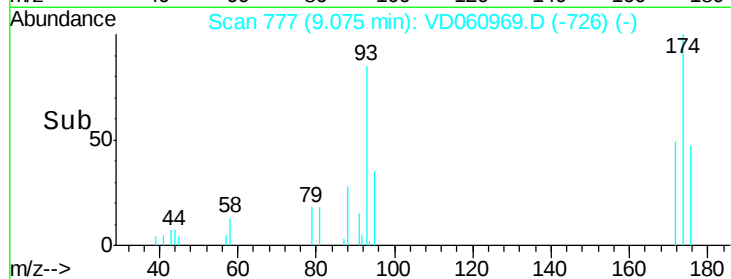
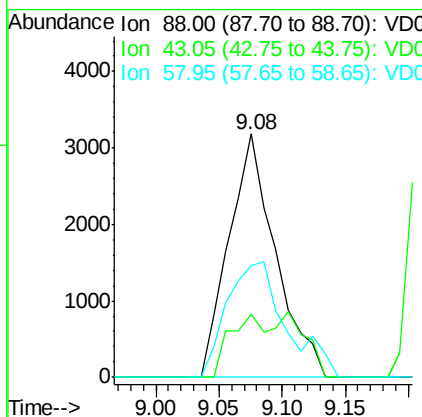
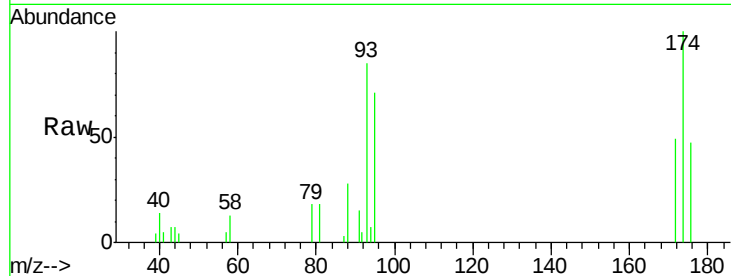
#49
1,4-Dioxane
Concen: 184.779 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	21.0	31.6
58	46.0	48.6	72.8

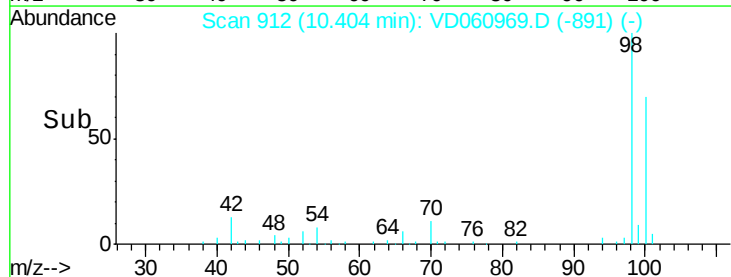
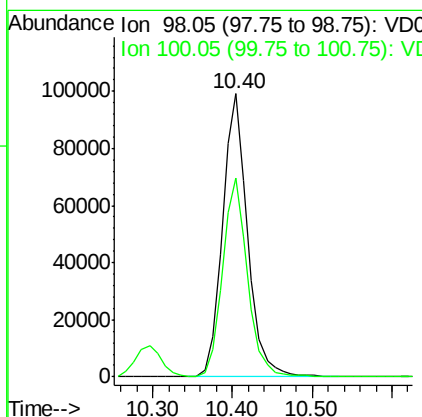
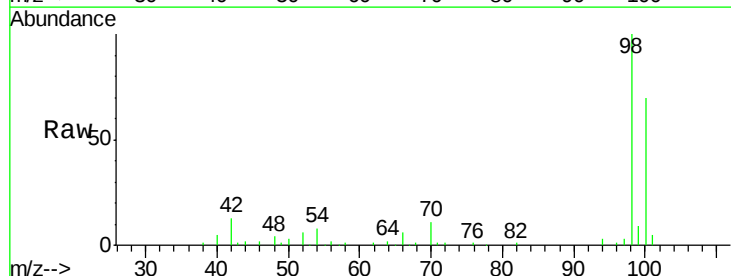
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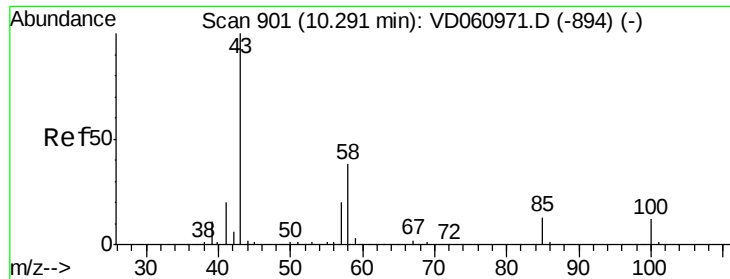
MMDadoda
3/8/2019 9:46:48 PM



#50
Toluene-d8
Concen: 184.779 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.2	57.4	86.2





#51

4-Methyl-2-Pentanone

Concen: 46.710 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tot Ion: 43 Resp: 216844

Ion Ratio Lower Upper

43 100

58 38.9 30.2 45.2

Instrument :

MSVOA_D

ClientSampleId :

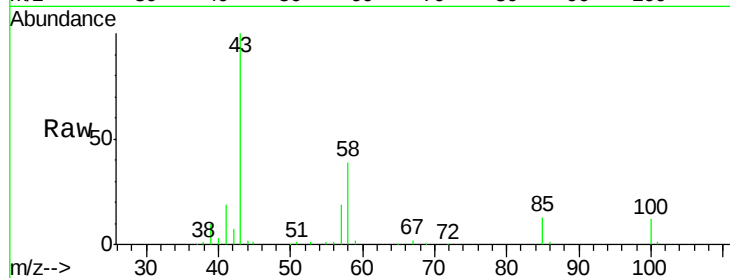
VSTDIC010

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

80000

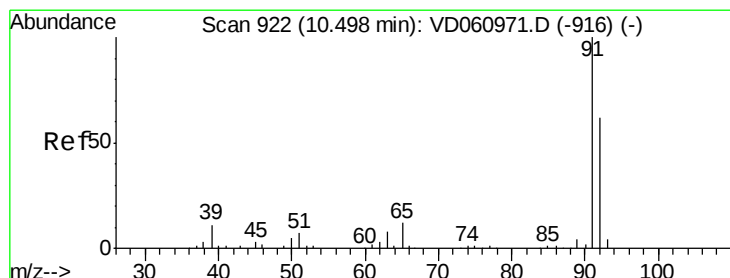
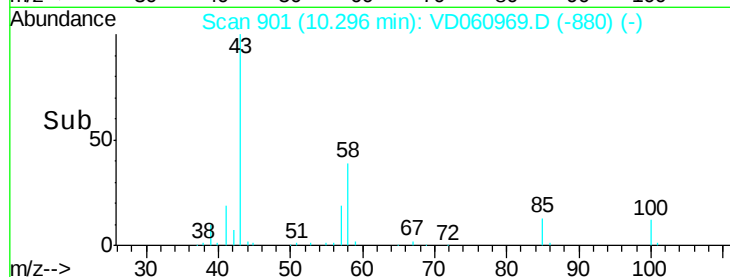
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 10.190 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD060969.D

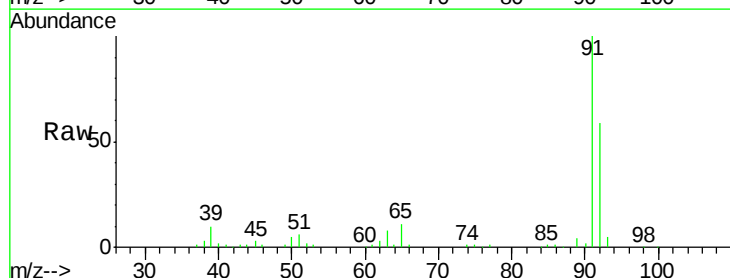
Acq: 7 Mar 2019 15:35

Tgt Ion: 92 Resp: 178956

Ion Ratio Lower Upper

92 100

91 168.2 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

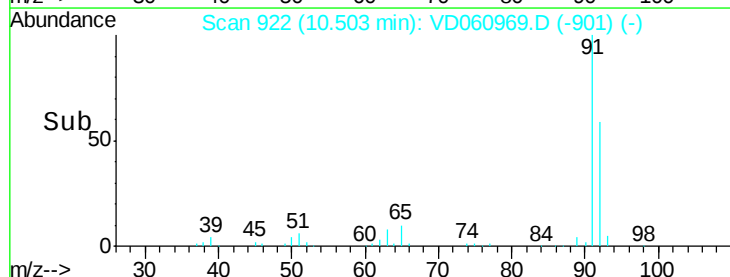
150000

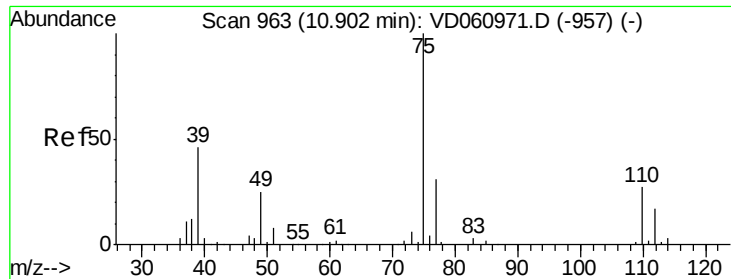
100000

50000

0

Time-->





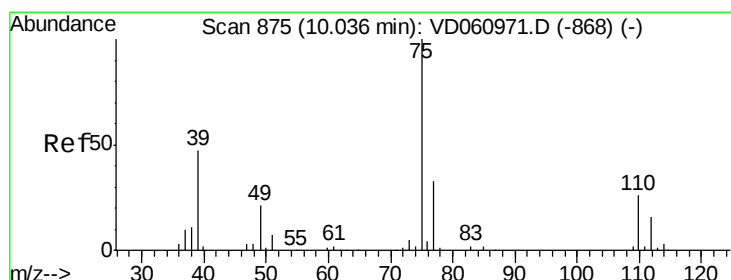
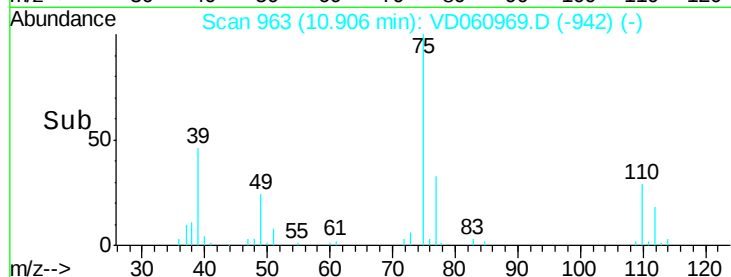
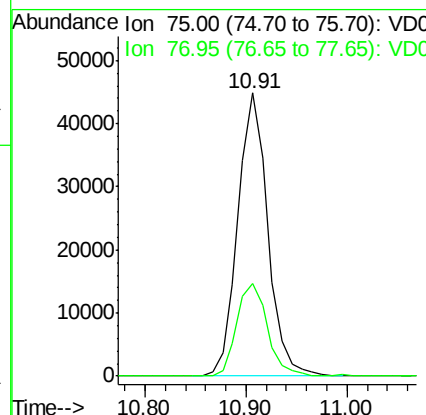
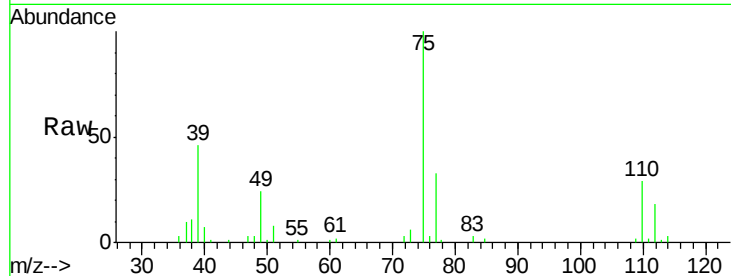
#53
t-1,3-Dichloropropene
Concen: 9.907 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 92672
Ion Ratio Lower Upper
75 100
77 32.7 24.7 37.1

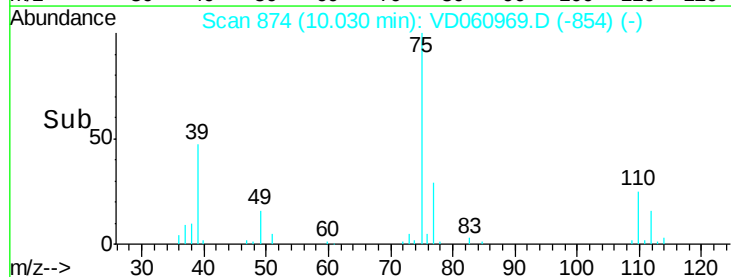
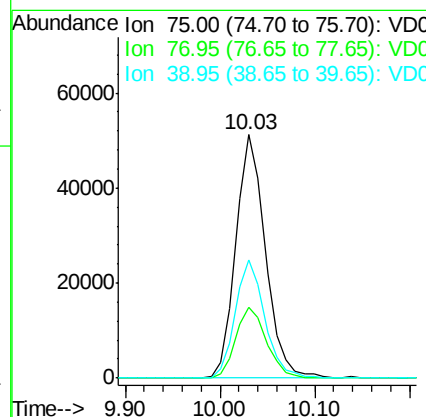
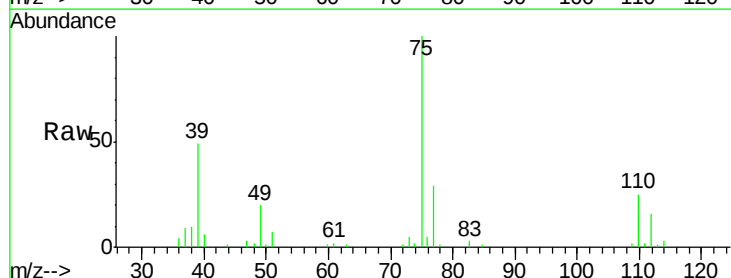
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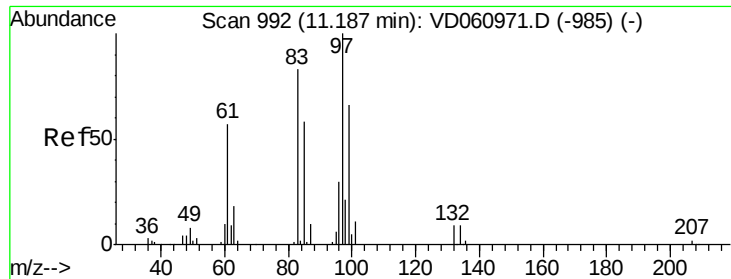
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 9.679 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 75 Resp: 111059
Ion Ratio Lower Upper
75 100
77 29.2 26.2 39.4
39 48.8 37.8 56.8





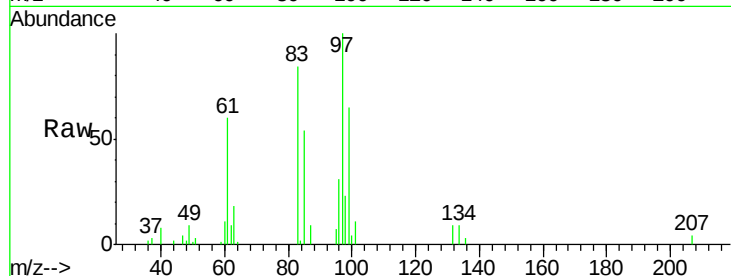
#55
 1,1,2-Trichloroethane
 Concen: 9.593 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

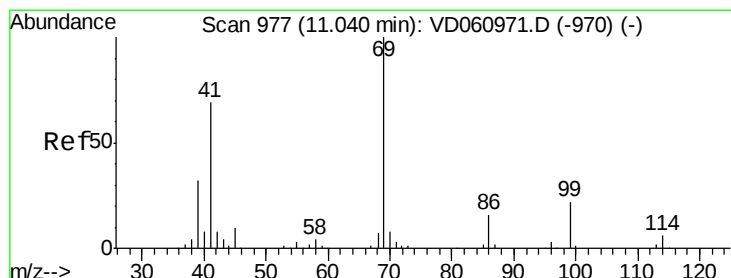
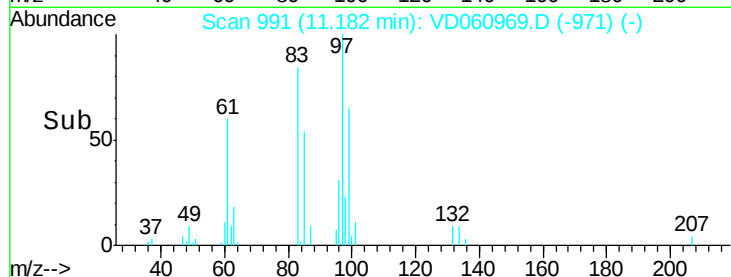
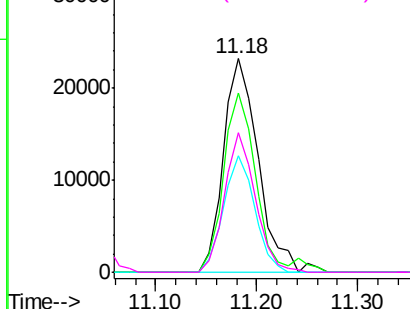
Tot Ion:	97	Resp:	55705
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.6	100.0
85	54.4	46.4	69.6
99	65.2	52.4	78.6

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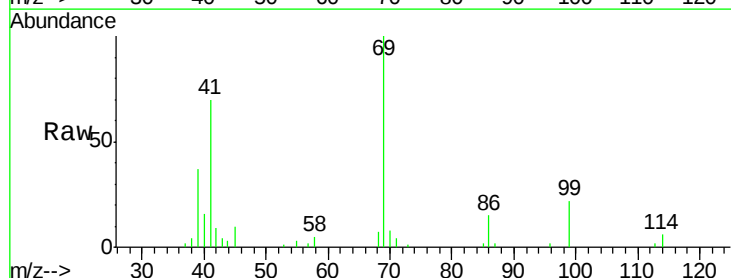


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

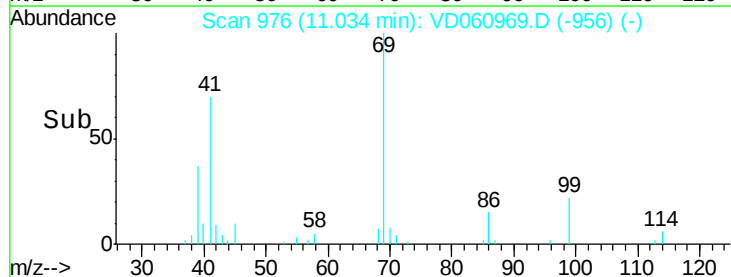
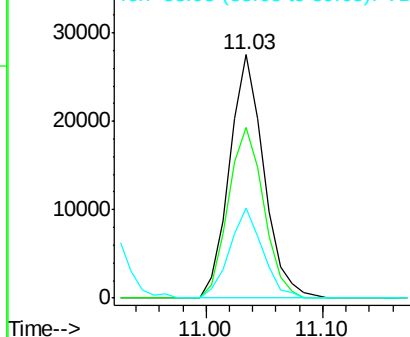


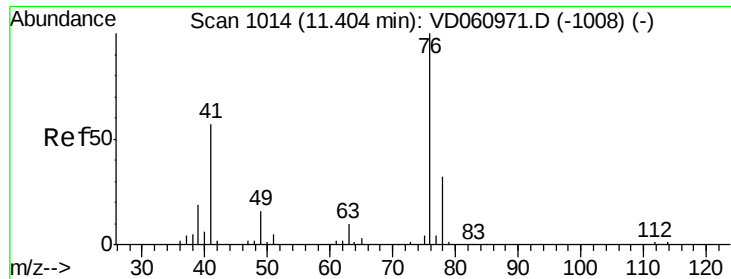
#56
 Ethyl methacrylate
 Concen: 9.232 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion:	69	Resp:	56272
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.5	83.3
39	36.9	26.2	39.2



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





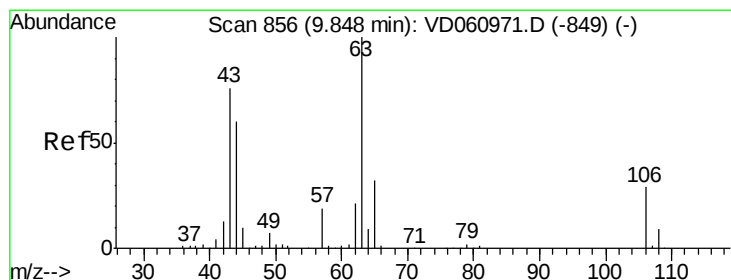
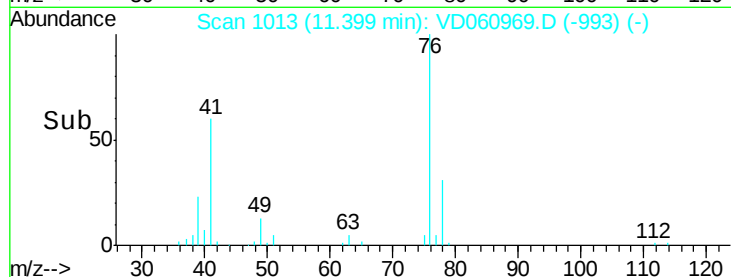
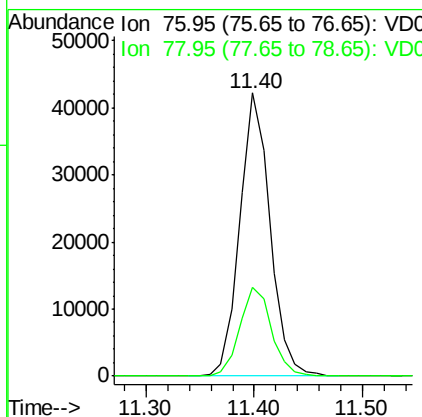
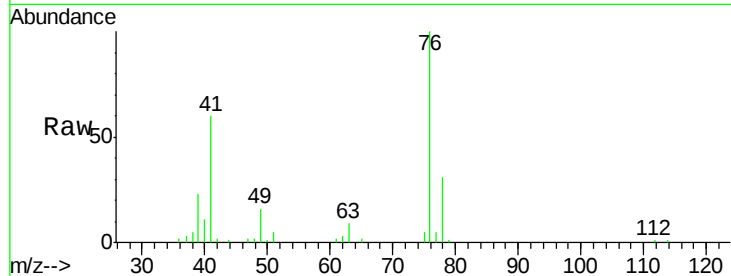
#57
 1,3-Dichloropropane
 Concen: 9.768 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 81998
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0

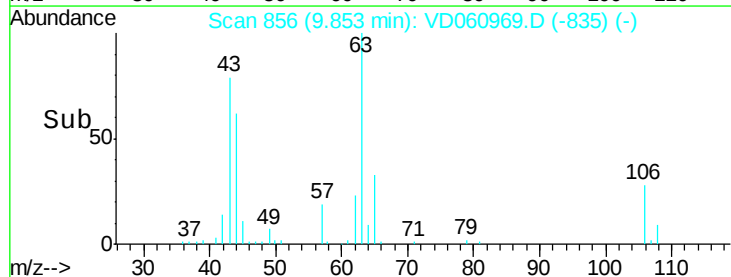
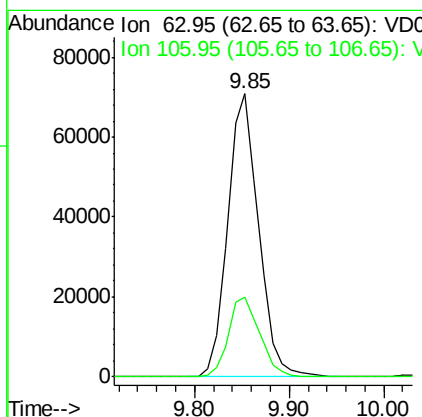
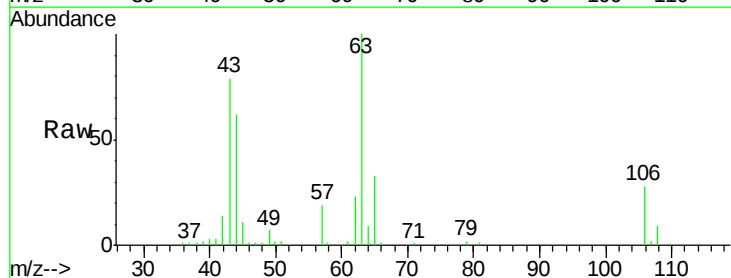
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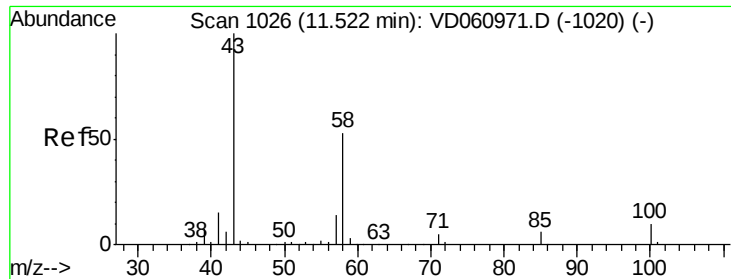
MMDadoda
 3/8/2019 9:46:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 48.761 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 63 Resp: 159131
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.8 34.2





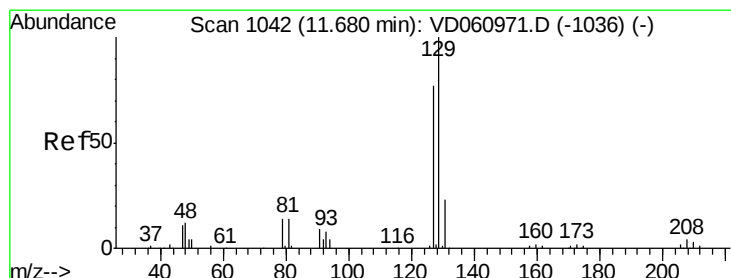
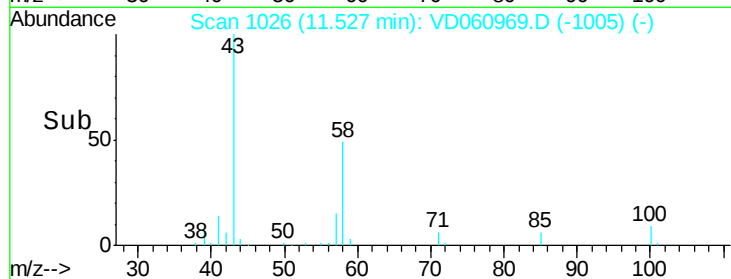
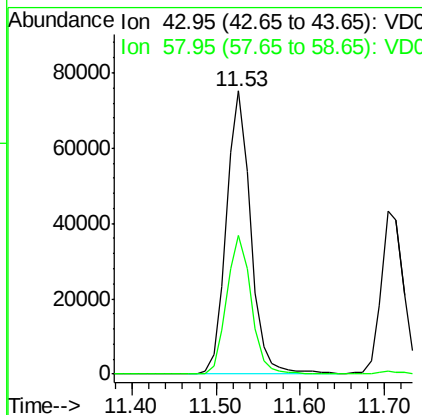
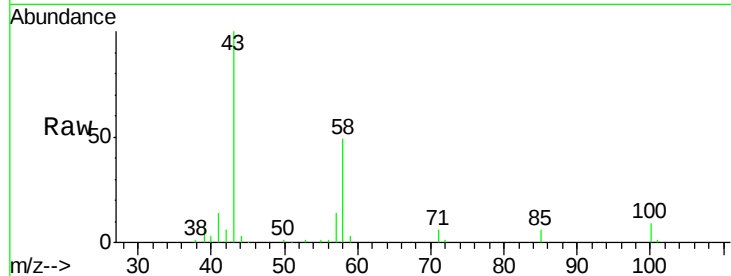
#59
2-Hexanone
Concen: 46.308 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 150854
Ion Ratio Lower Upper
43 100
58 48.9 26.5 79.5

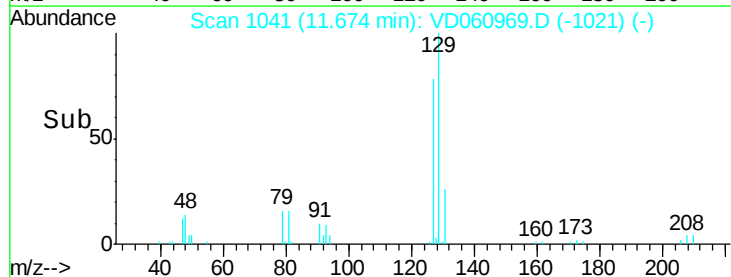
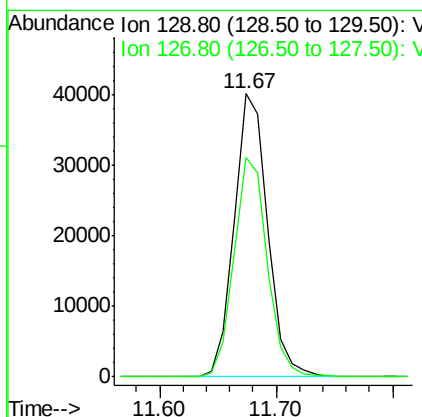
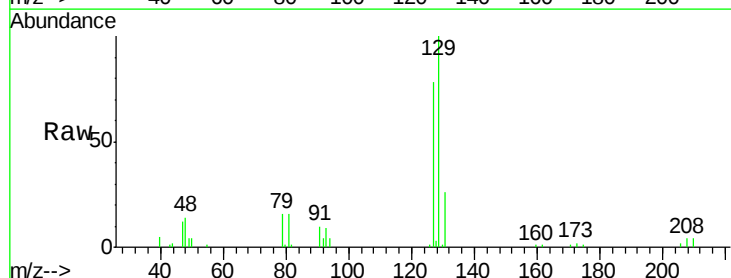
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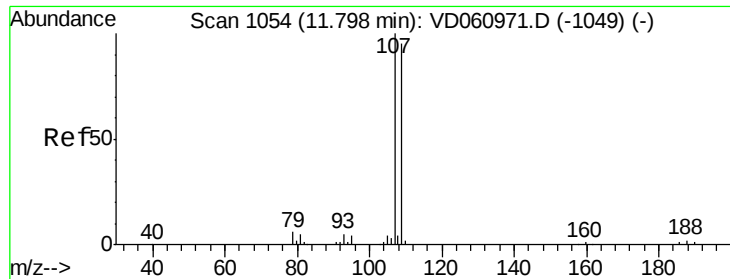
MMDadoda
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#60
Dibromochloromethane
Concen: 9.488 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 129 Resp: 79595
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9





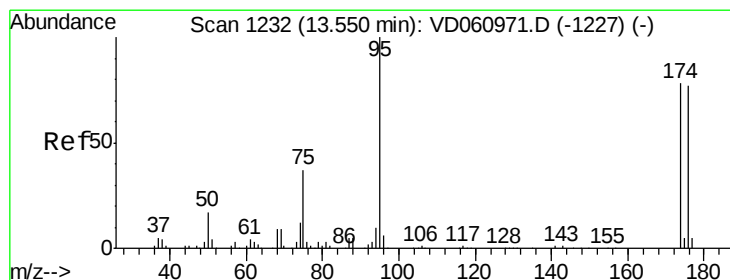
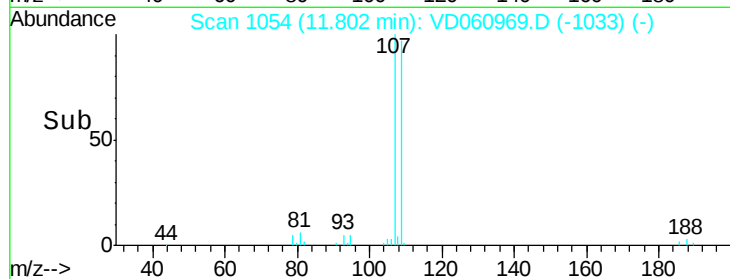
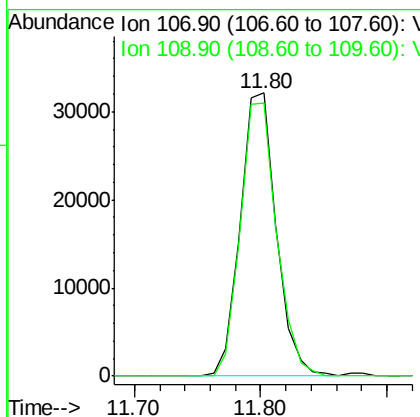
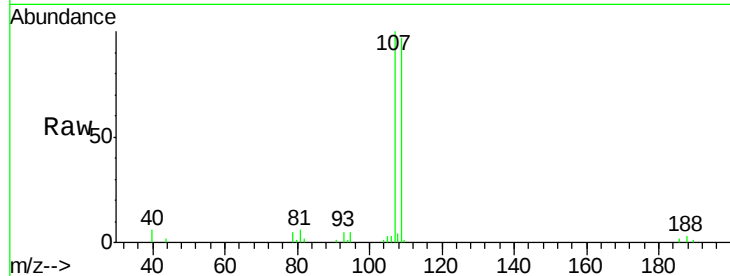
#61
 1,2-Dibromoethane
 Concen: 9.303 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 63476
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.6 113.4

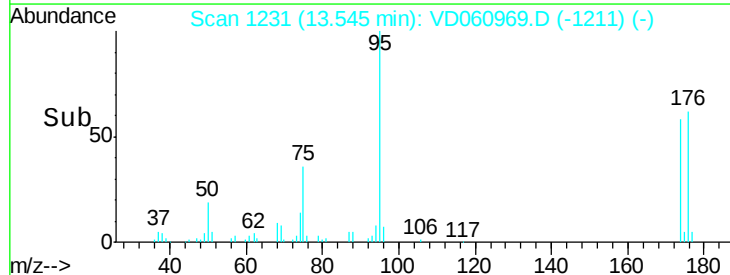
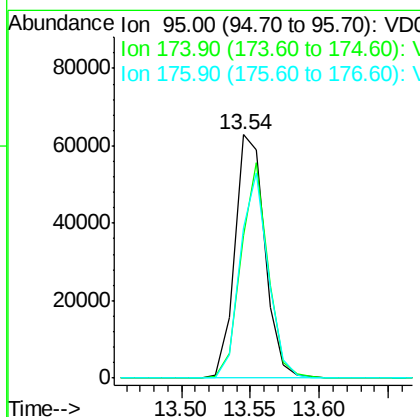
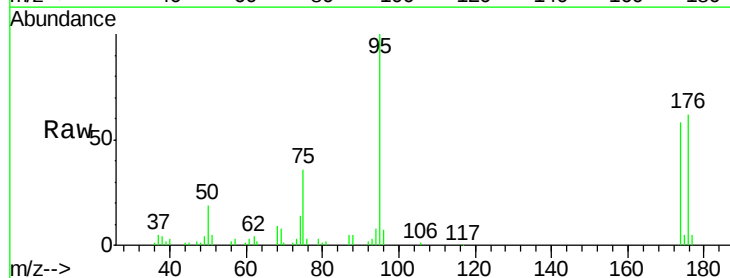
Manual Integrations
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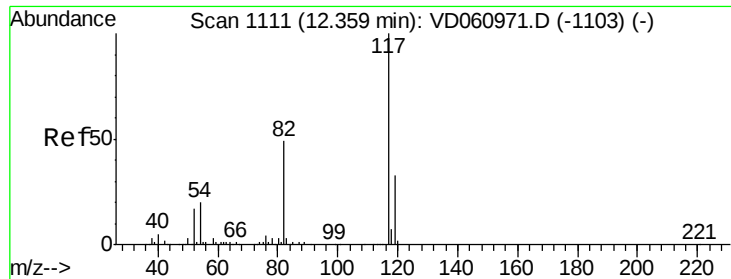
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#62
 4-Bromofluorobenzene
 Concen: 9.303 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 95 Resp: 94940
 Ion Ratio Lower Upper
 95 100
 174 58.3 0.0 155.6
 176 61.9 0.0 153.8





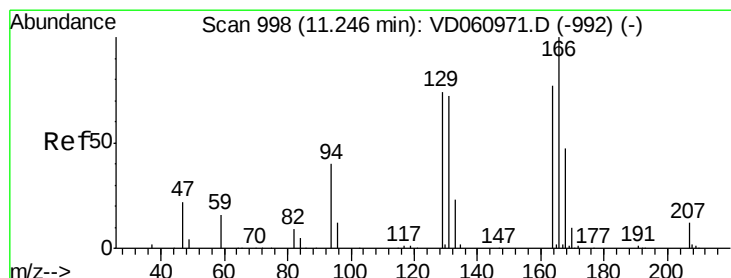
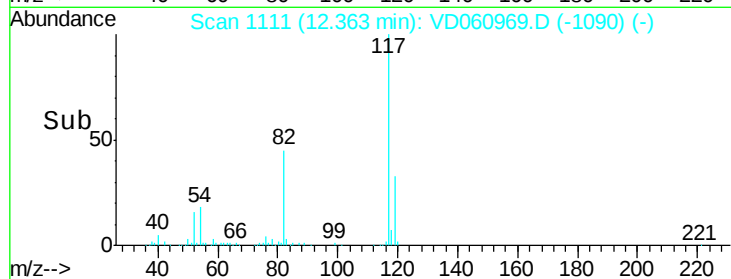
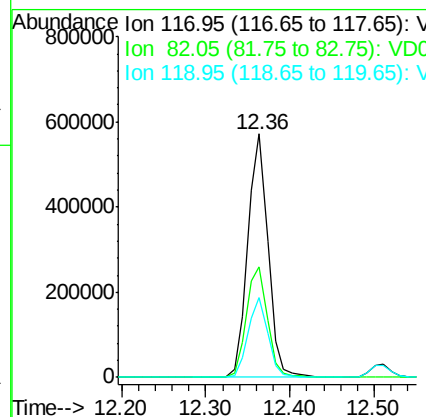
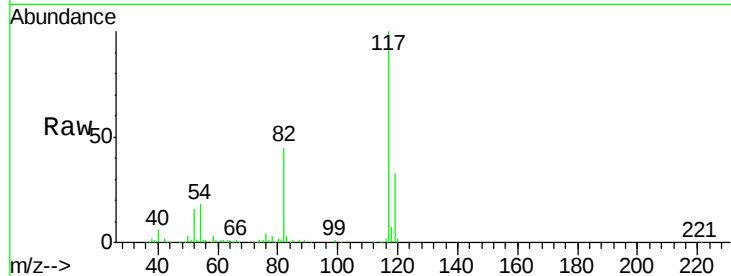
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	958504		
82	45.3	38.9	58.3	
119	32.6	26.6	39.8	

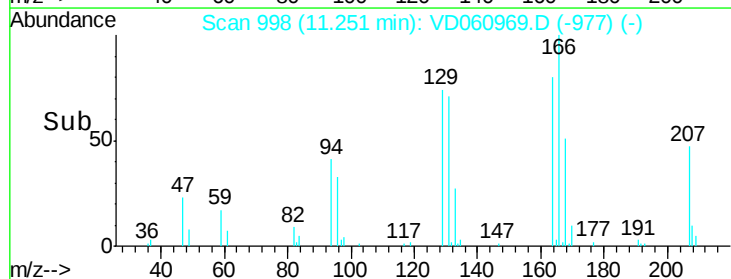
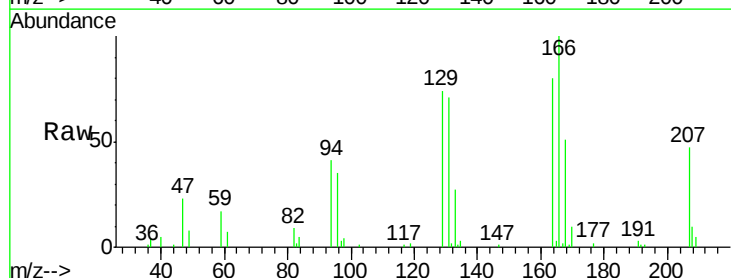
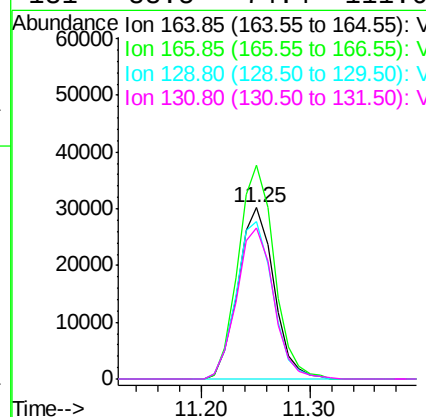
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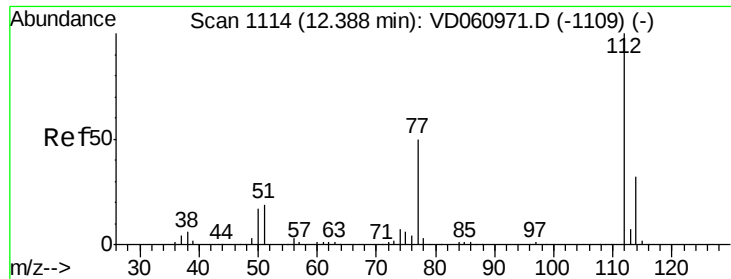
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#64
Tetrachloroethene
Concen: 9.703 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70312		
166	125.0	103.4	155.0	
129	92.0	76.9	115.3	
131	88.5	74.4	111.6	





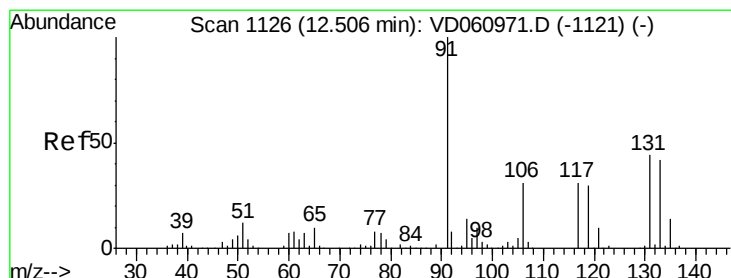
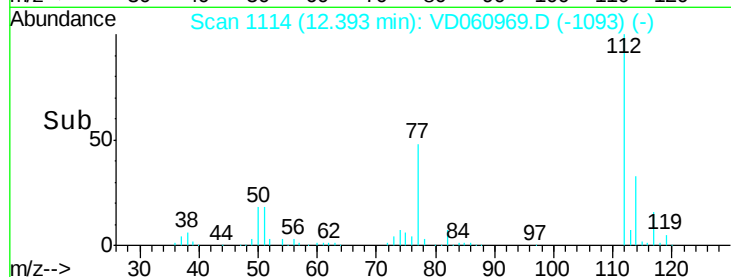
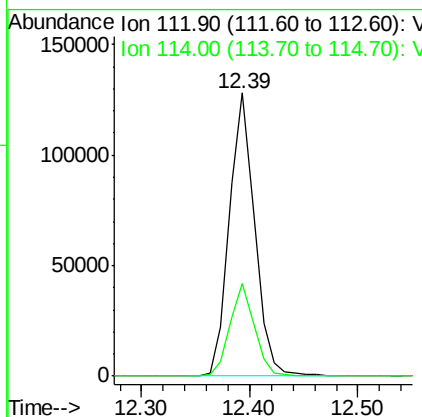
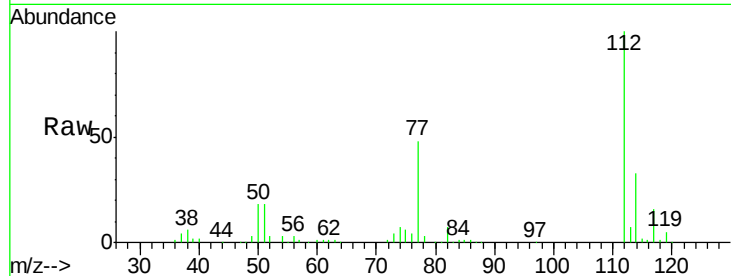
#65
Chlorobenzene
Concen: 9.963 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 209146
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

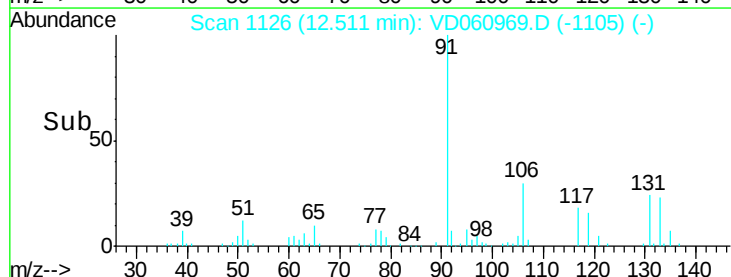
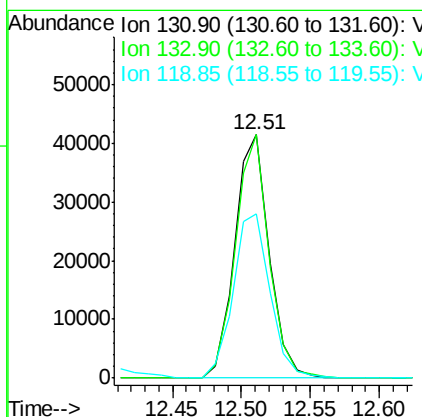
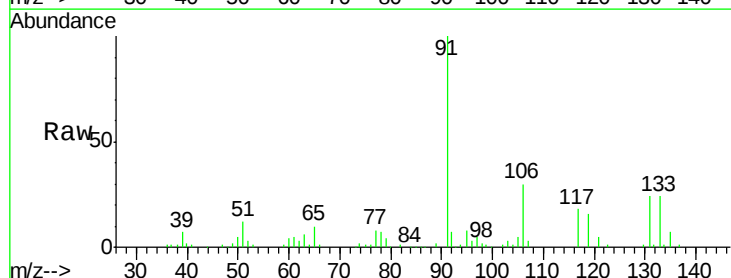
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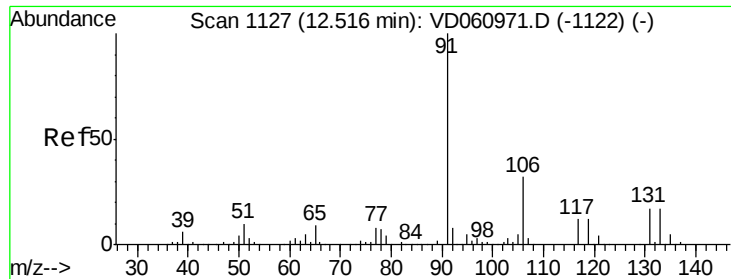
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.444 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion:131 Resp: 71716
Ion Ratio Lower Upper
131 100
133 100.1 47.8 143.3
119 67.6 34.3 102.9





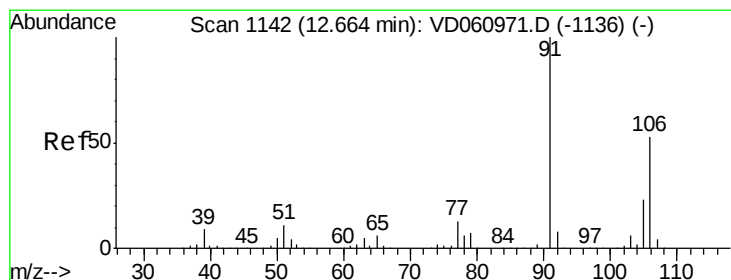
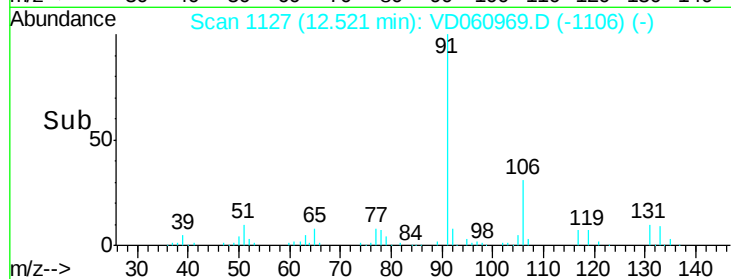
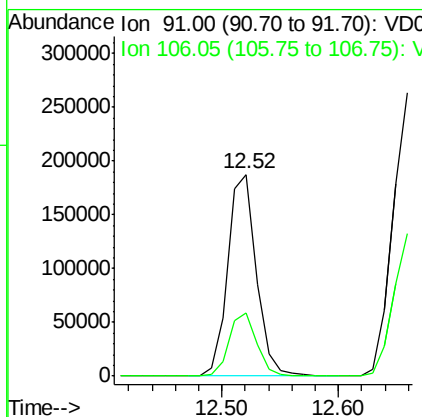
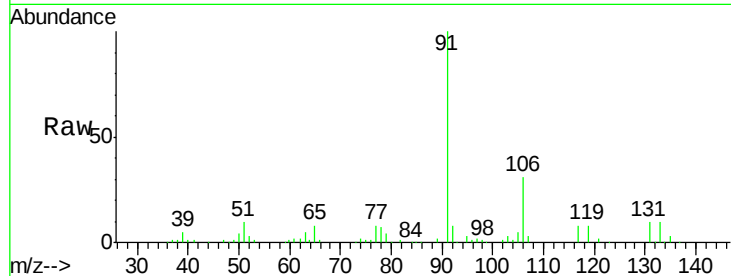
#67
Ethyl Benzene
Concen: 10.339 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 317521
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5

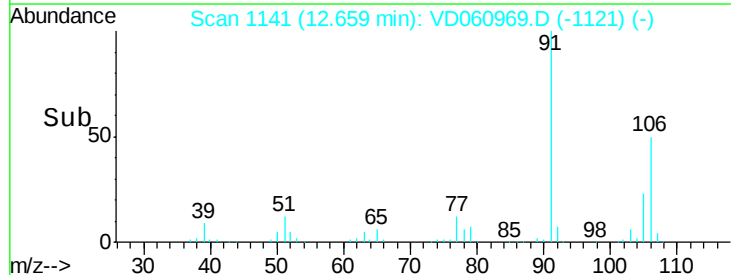
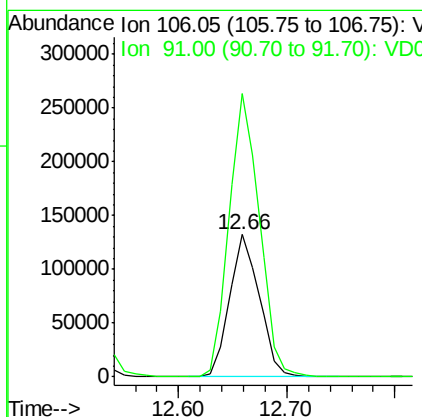
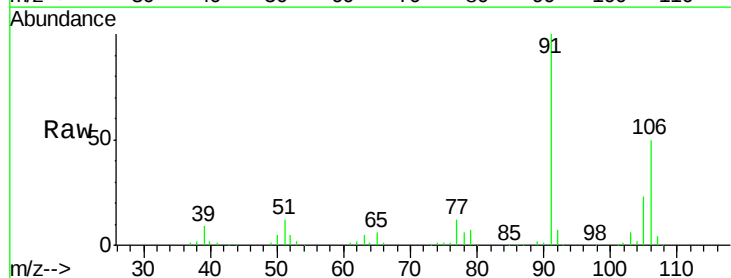
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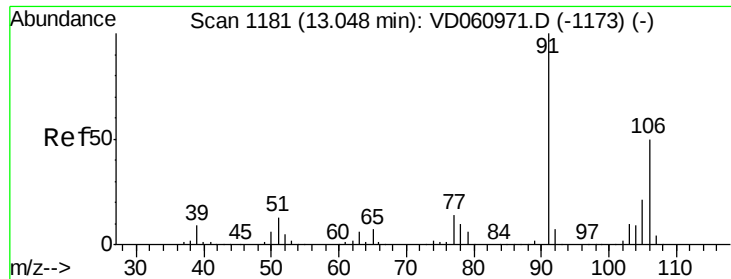
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#68
m/p-Xylenes
Concen: 20.691 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 106 Resp: 254831
Ion Ratio Lower Upper
106 100
91 198.7 152.0 228.0





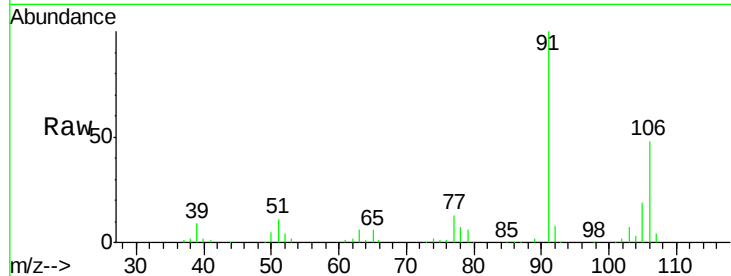
#69
o-Xylene
Concen: 11.124 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

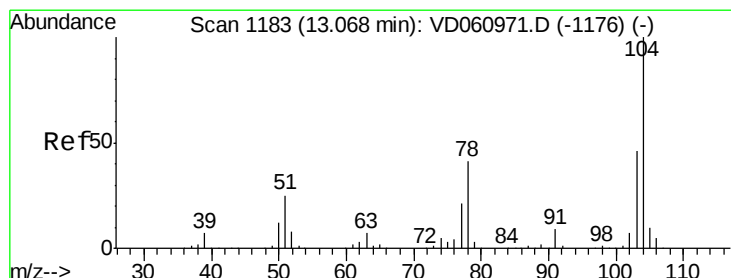
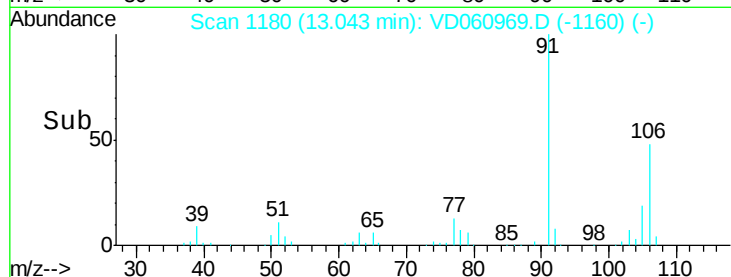
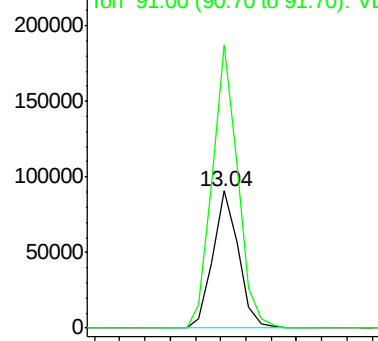
Tot Ion:106 Resp: 127411
Ion Ratio Lower Upper
106 100
91 206.5 99.8 299.3

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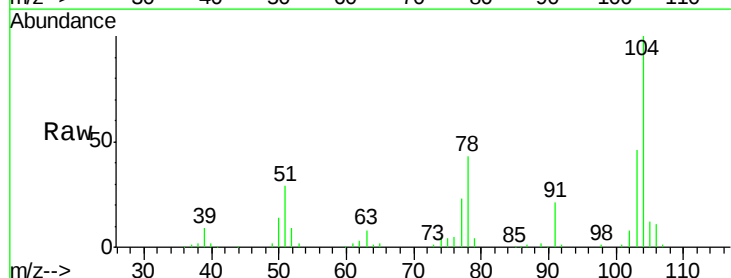


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

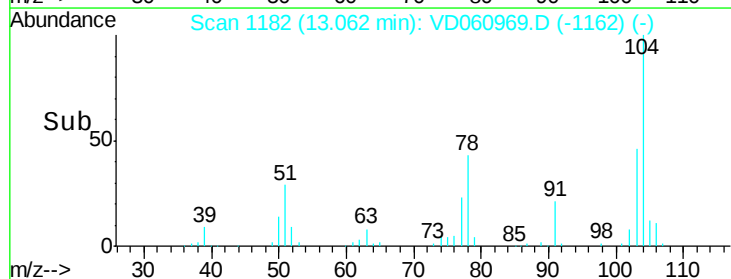
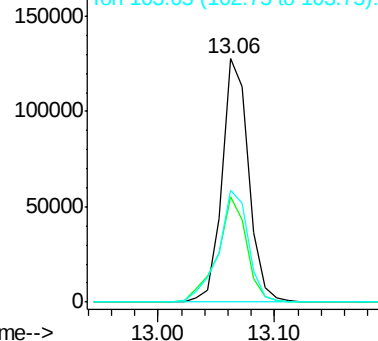


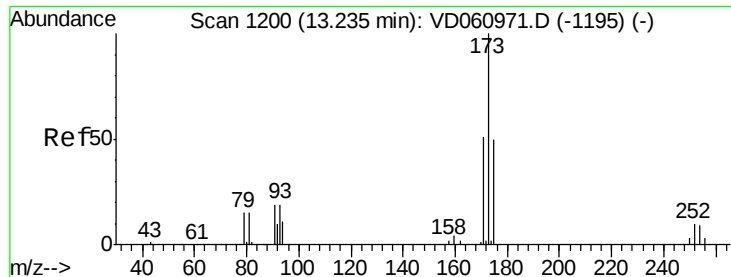
#70
Styrene
Concen: 10.522 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion:104 Resp: 201154
Ion Ratio Lower Upper
104 100
78 43.1 33.0 49.4
103 46.1 37.1 55.7



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





#71

Bromoform

Concen: 10.034 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 47950

Ion Ratio Lower Upper

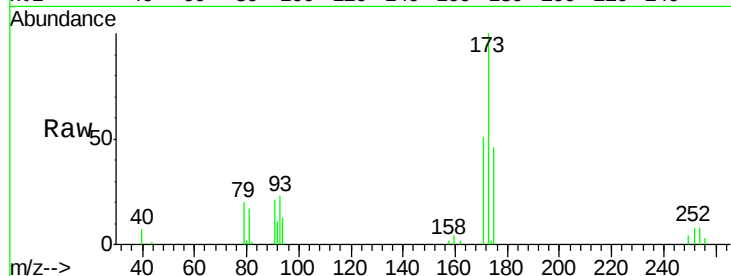
173 100

175 46.3 24.9 74.8

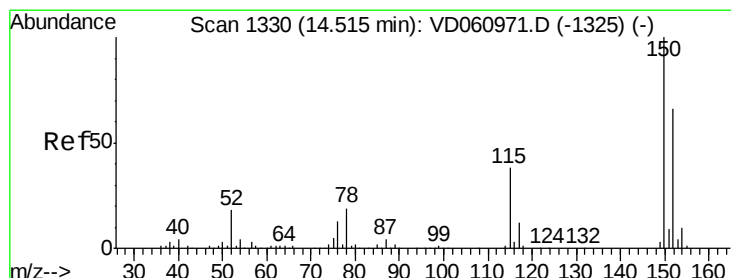
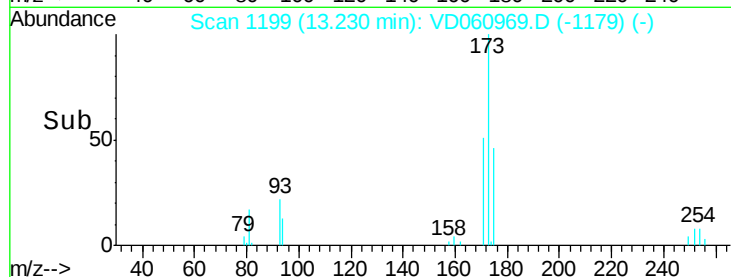
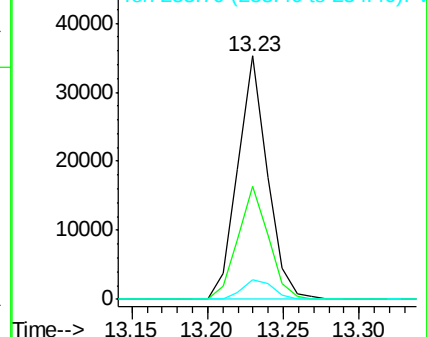
254 7.9 7.3 10.9

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

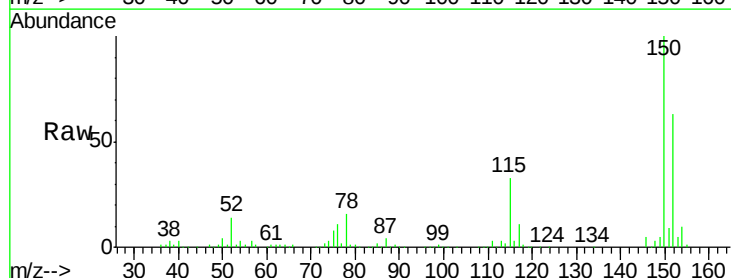
Tgt Ion:152 Resp: 438512

Ion Ratio Lower Upper

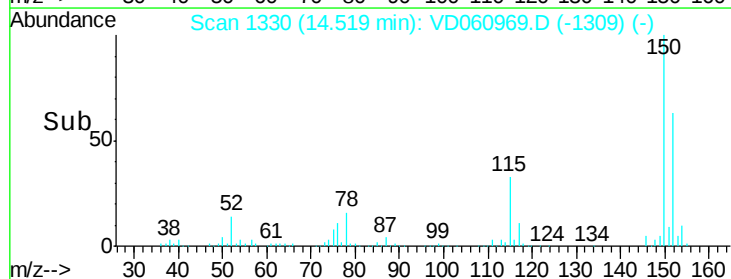
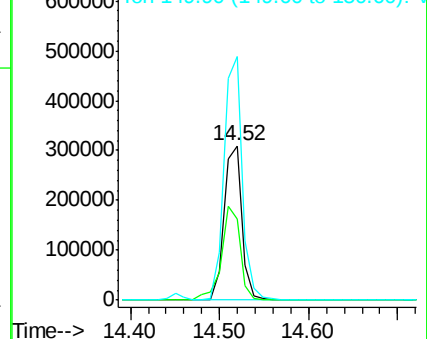
152 100

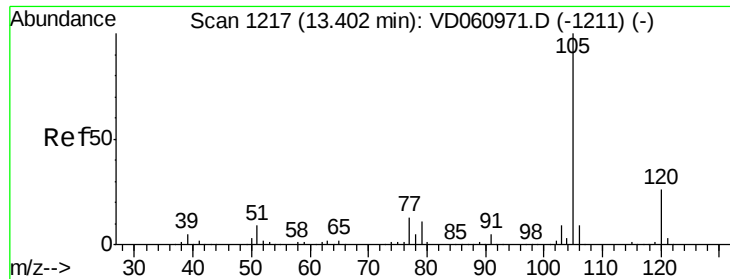
115 52.7 28.6 85.9

150 157.5 0.0 310.6



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





#73

Isopropylbenzene

Concen: 10.320 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 345866

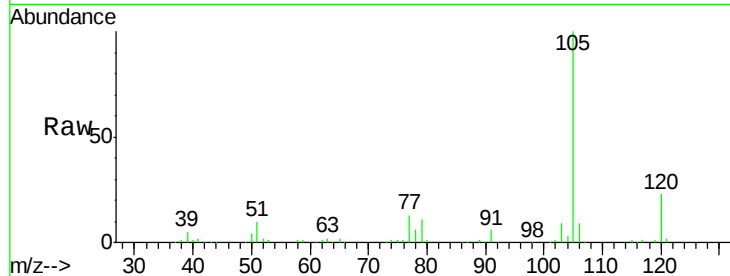
Ion Ratio Lower Upper

105 100

120 23.2 12.8 38.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

250000

200000

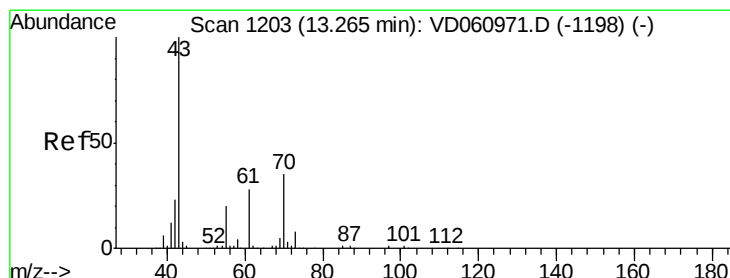
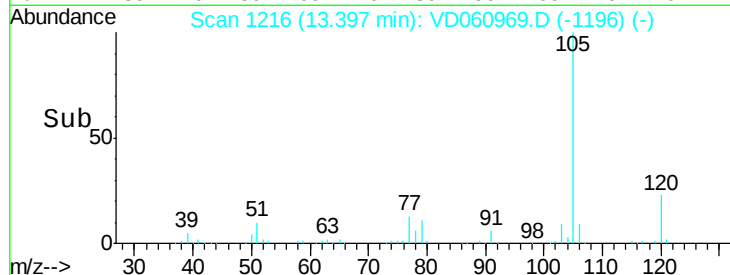
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 9.287 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion: 43 Resp: 94088

Ion Ratio Lower Upper

43 100

70 31.8 27.7 41.5

55 20.2 16.2 24.2

61 26.5 22.3 33.5

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

100000

80000

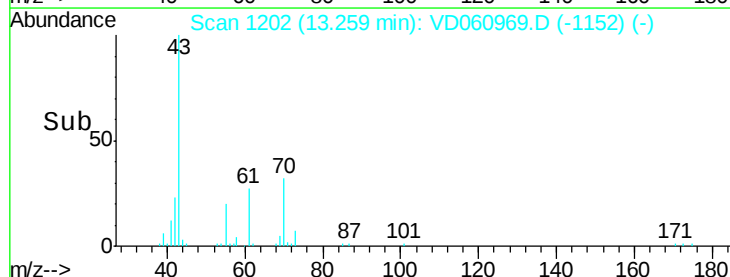
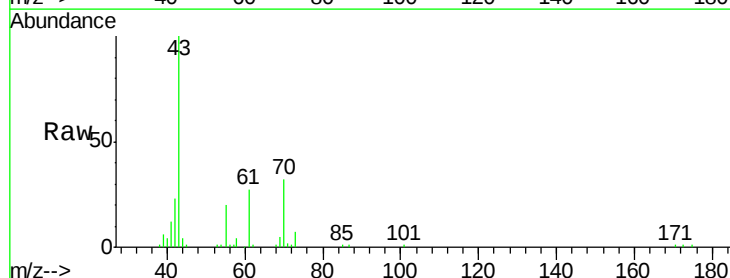
60000

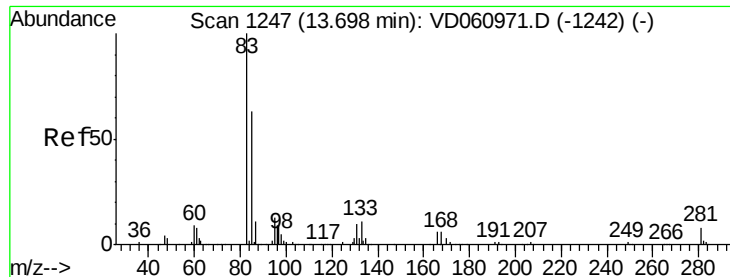
40000

20000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 9.522 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

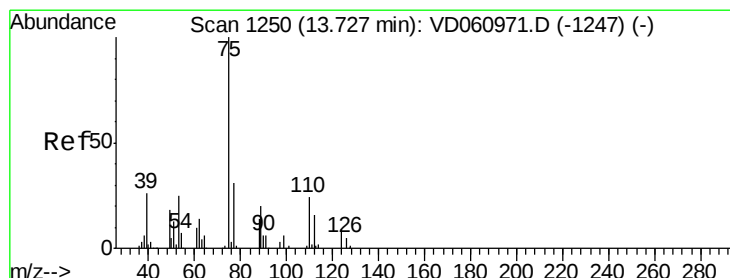
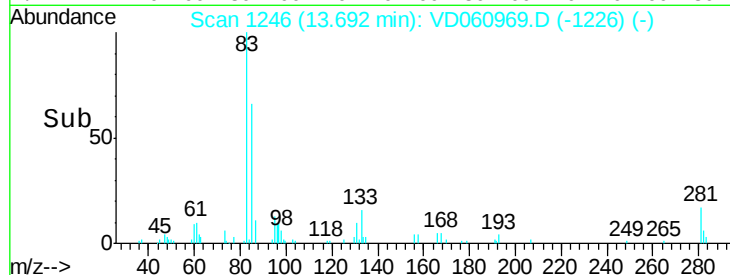
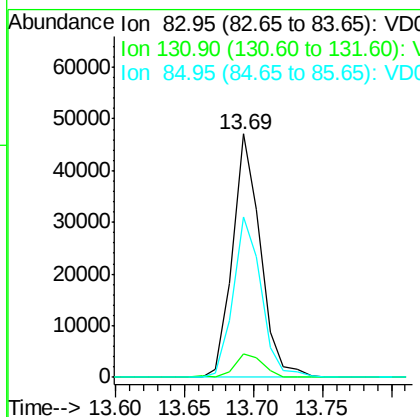
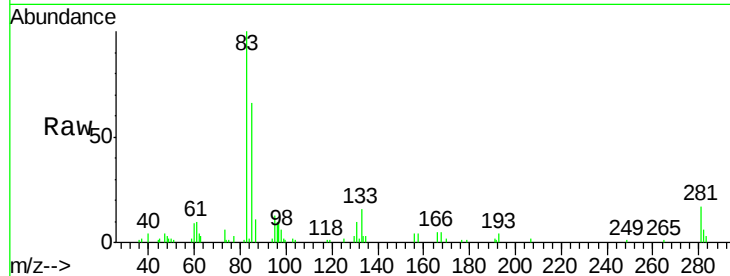
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	66228
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.3
85	65.7	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.845 ug/l

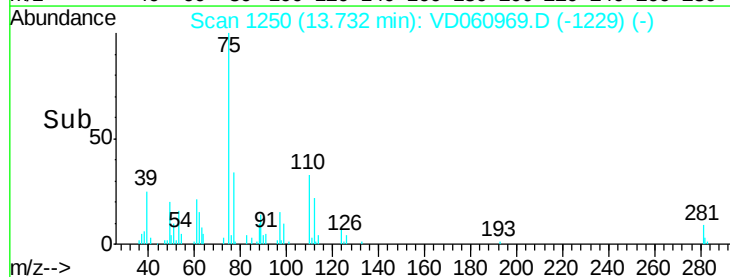
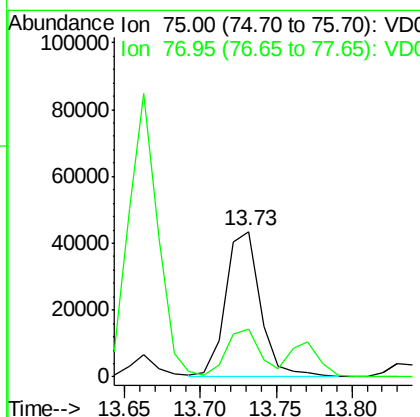
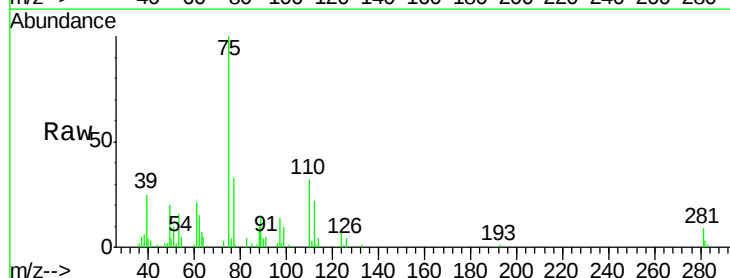
RT: 13.73 min Scan# 1250

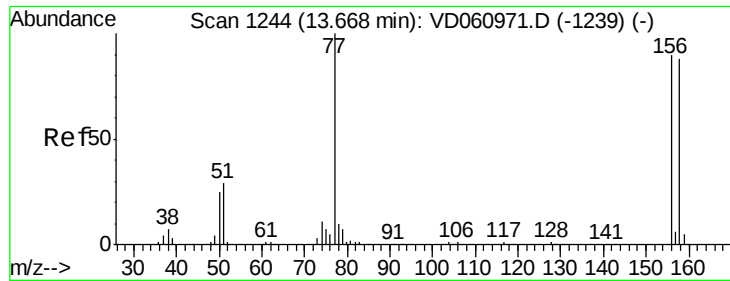
Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	75	Resp:	69589
Ion Ratio	Lower	Upper	
75	100		
77	33.4	16.6	49.7





#77

Bromobenzene

Concen: 9.730 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 85693

Ion Ratio Lower Upper

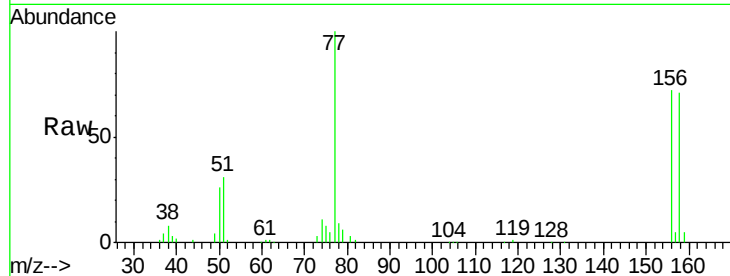
156 100

77 139.0 55.5 166.7

158 98.2 49.0 147.0

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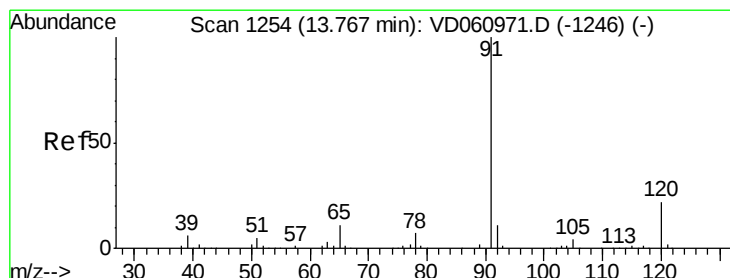
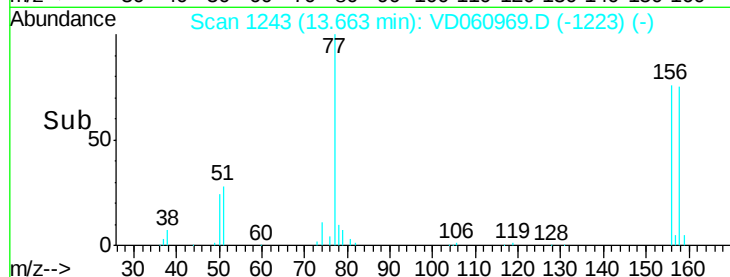
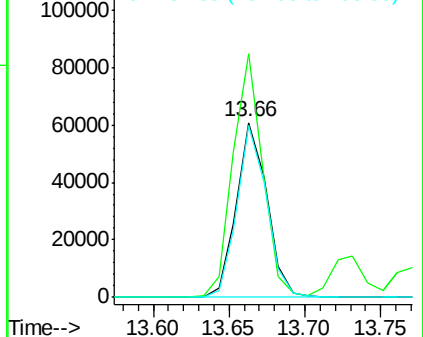
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 10.436 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD060969.D

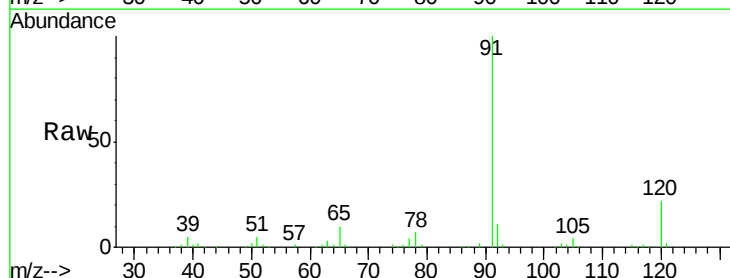
Acq: 7 Mar 2019 15:35

Tgt Ion: 91 Resp: 408289

Ion Ratio Lower Upper

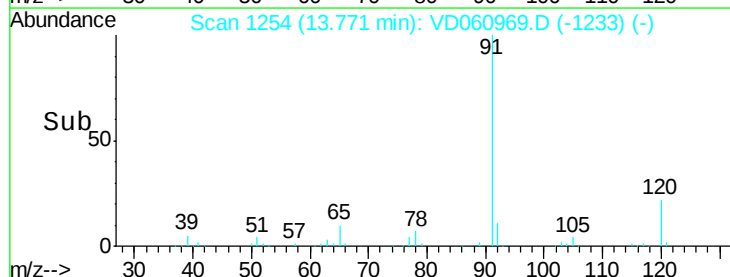
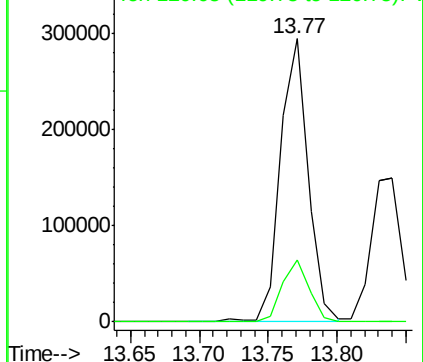
91 100

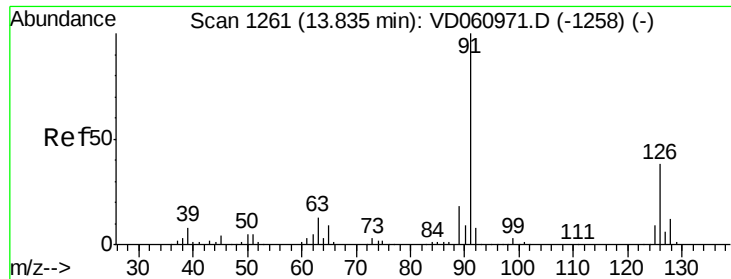
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 10.595 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 231999

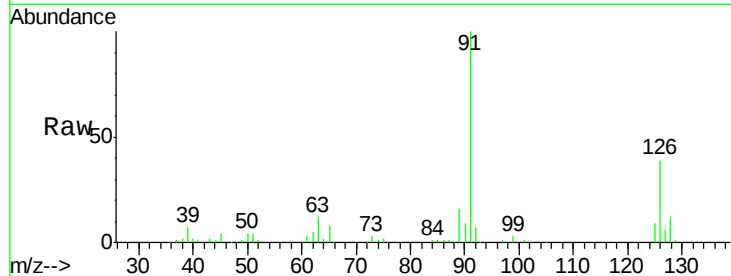
Ion Ratio Lower Upper

91 100

126 38.6 18.6 55.6

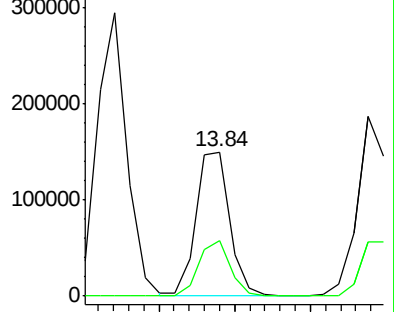
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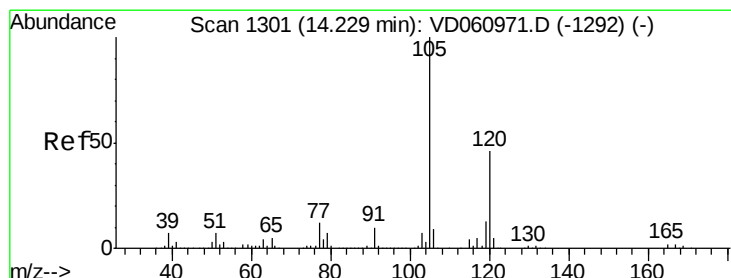
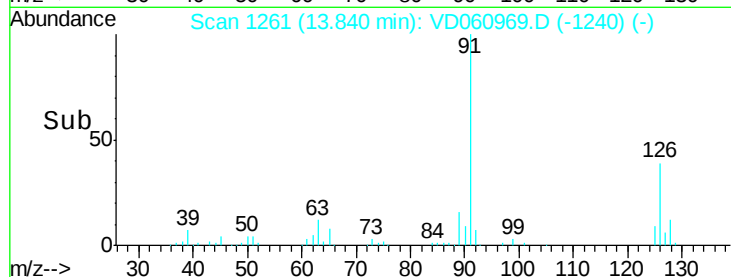


Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.625 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD060969.D

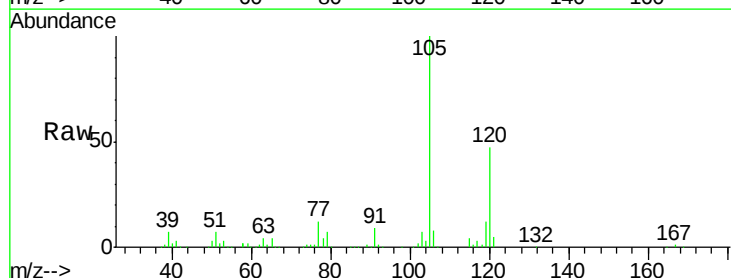
Acq: 7 Mar 2019 15:35

Tgt Ion: 105 Resp: 275135

Ion Ratio Lower Upper

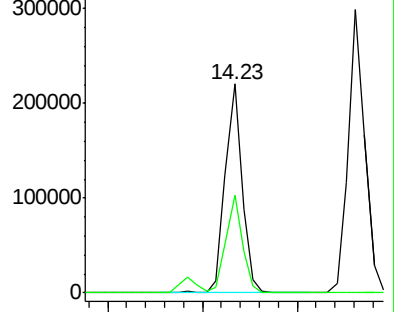
105 100

120 46.9 22.9 68.5

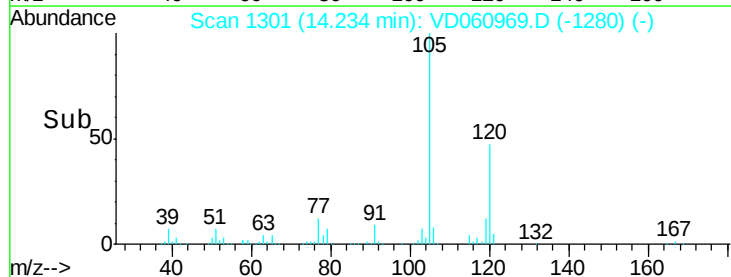


Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 9.259 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

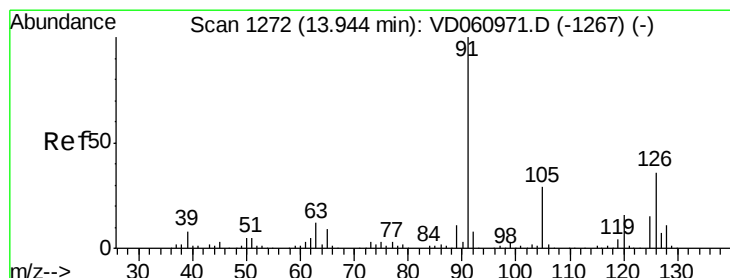
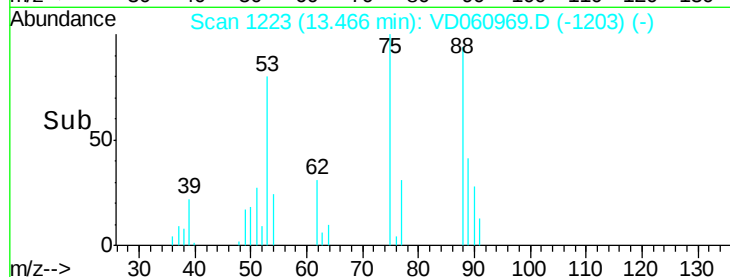
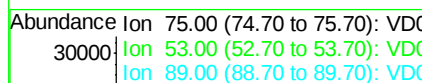
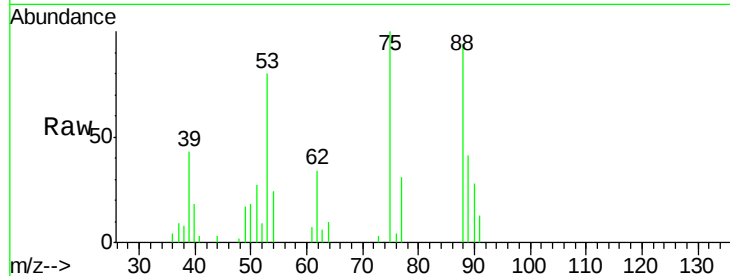
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	19293
Ion Ratio	Lower	Upper	
75	100		
53	79.7	64.4	96.6
89	41.4	34.8	52.2

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#82

4-Chlorotoluene

Concen: 10.966 ug/l

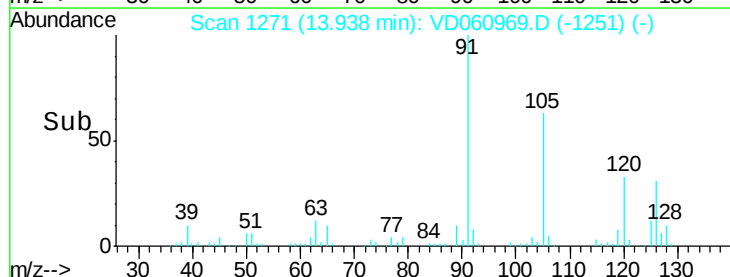
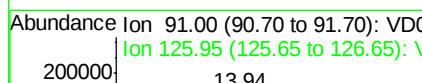
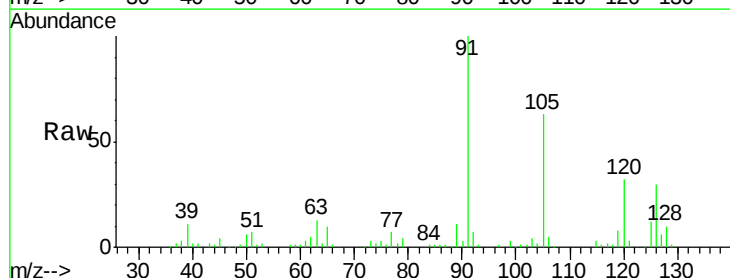
RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	91	Resp:	269685
Ion Ratio	Lower	Upper	
91	100		
126	30.5	18.0	54.0





#83

tert-Butylbenzene

Concen: 9.686 ug/l m

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

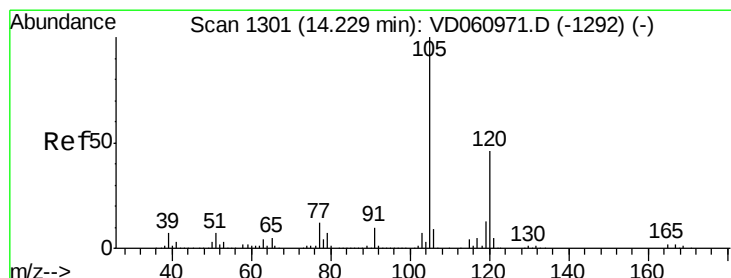
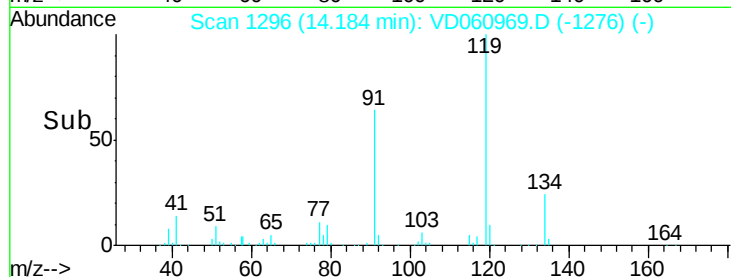
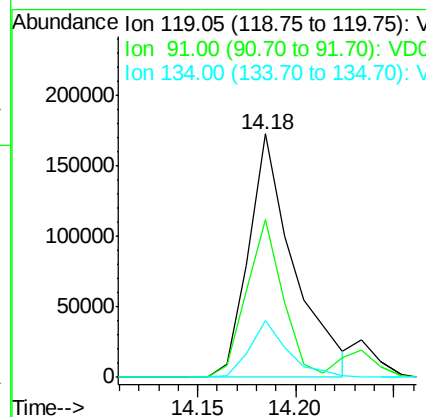
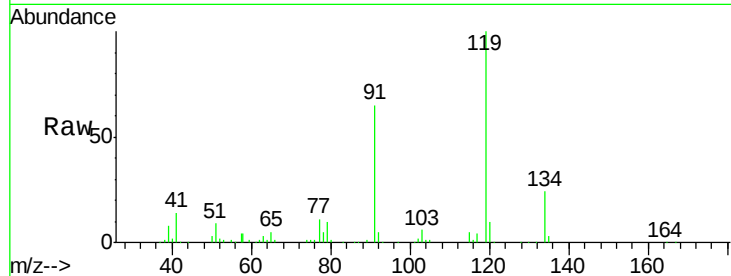
ClientSampleId :

VSTDIC010

Tot Ion:	119	Resp:	279224
Ion Ratio	Lower	Upper	
119	100		
91	64.8	30.1	90.3
134	23.5	11.6	34.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 10.625 ug/l

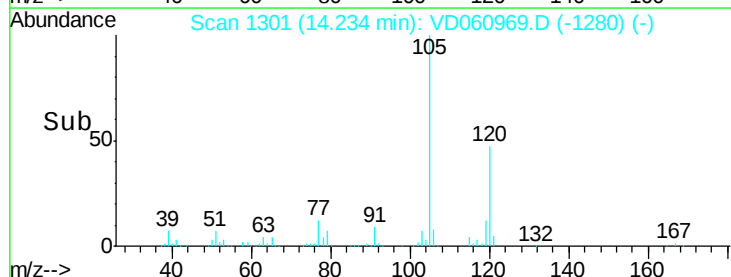
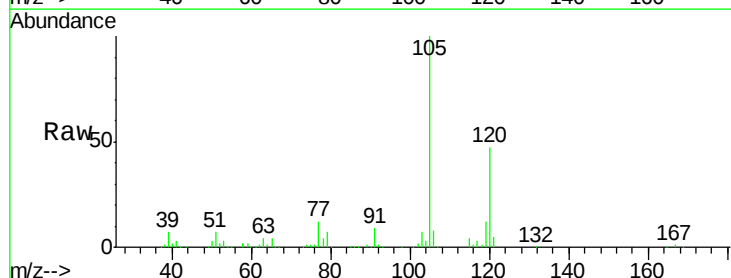
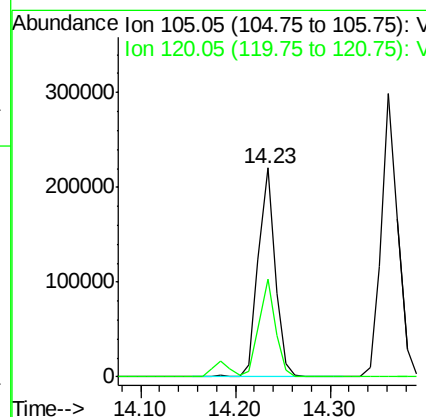
RT: 14.23 min Scan# 1301

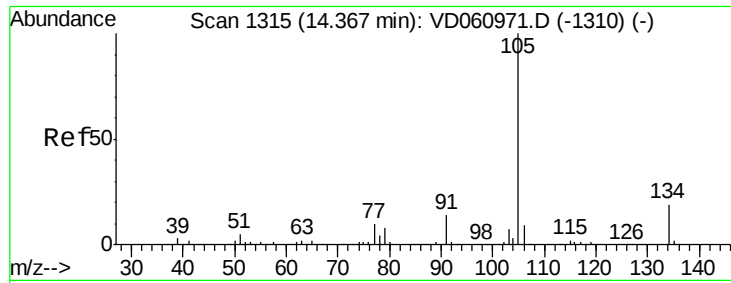
Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	105	Resp:	275135
Ion Ratio	Lower	Upper	
105	100		
120	46.9	22.9	68.5





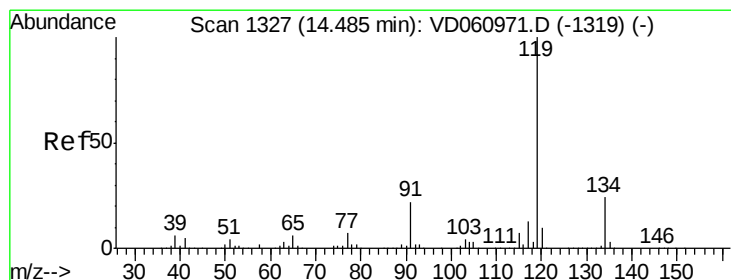
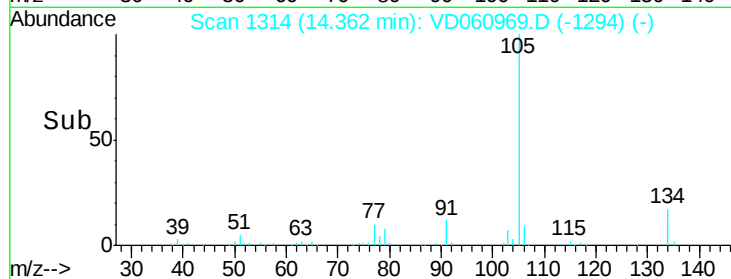
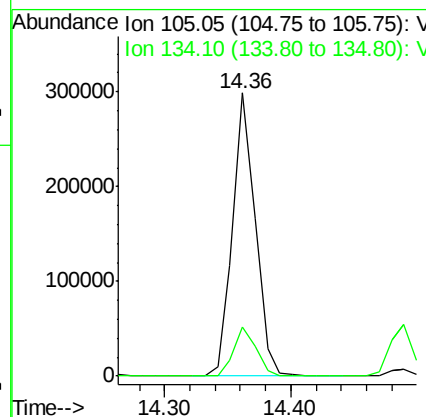
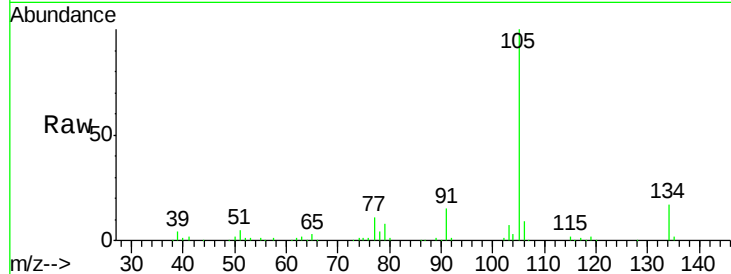
#85
 sec-Butylbenzene
 Concen: 11.017 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:105 Resp: 370616
 Ion Ratio Lower Upper
 105 100
 134 17.2 9.4 28.2

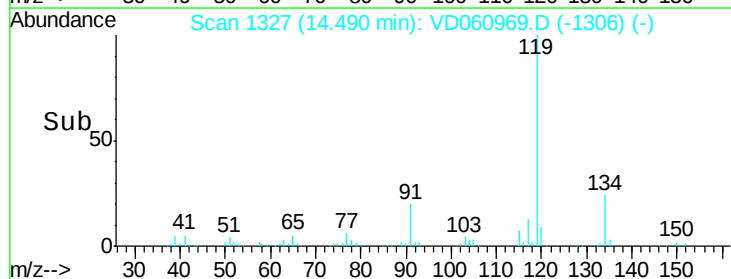
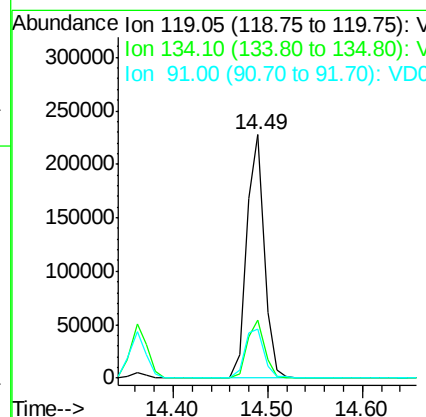
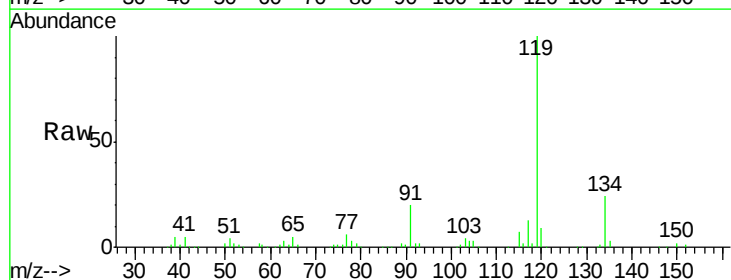
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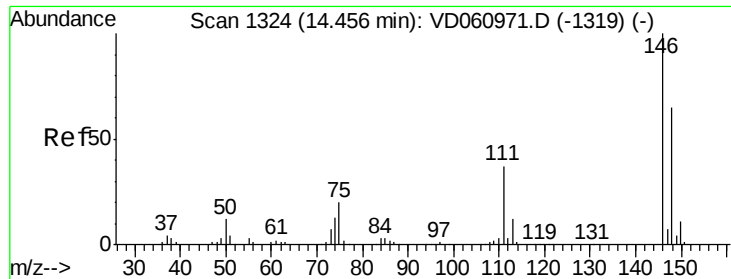
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#86
 p-Isopropyltoluene
 Concen: 10.458 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion:119 Resp: 289825
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.0 36.1
 91 20.3 11.2 33.6





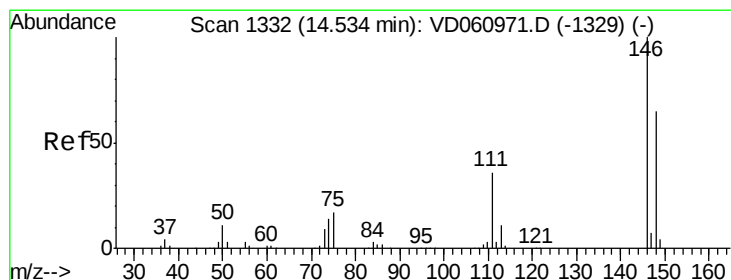
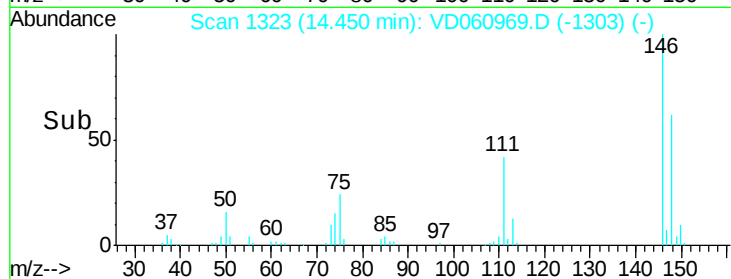
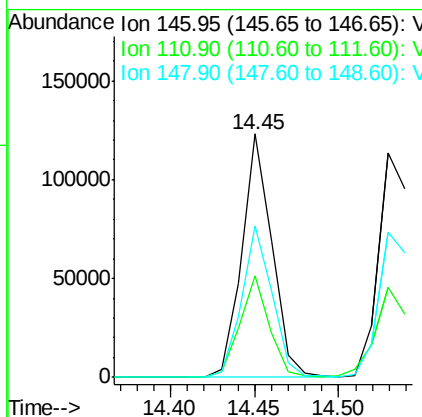
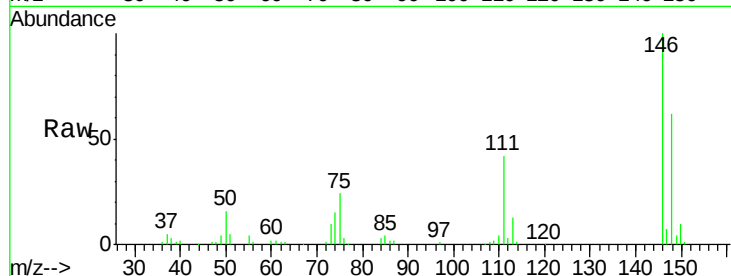
#87
 1,3-Dichlorobenzene
 Concen: 10.170 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.4	55.4
148	62.3	32.5	97.4

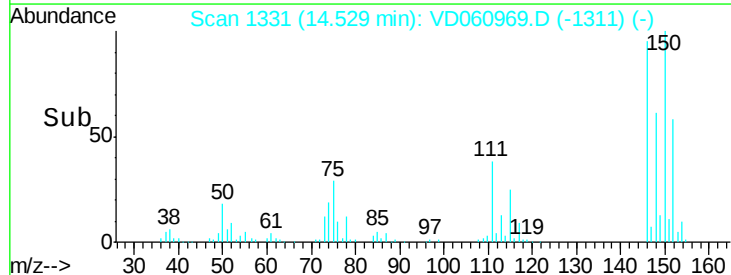
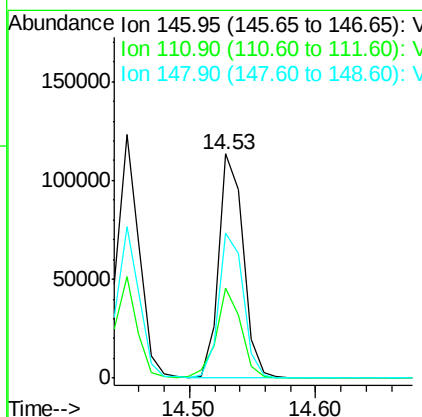
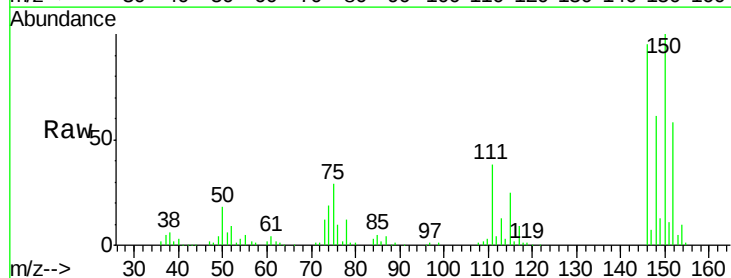
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#88
 1,4-Dichlorobenzene
 Concen: 10.384 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.4	55.2
148	64.8	32.5	97.5





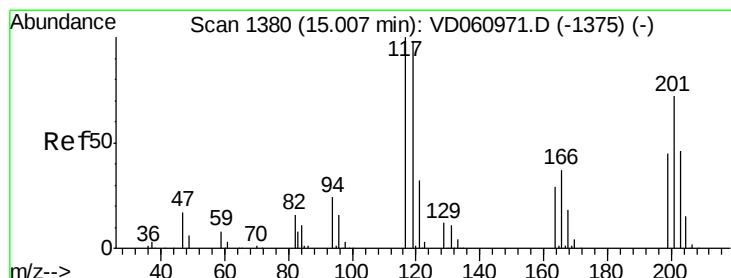
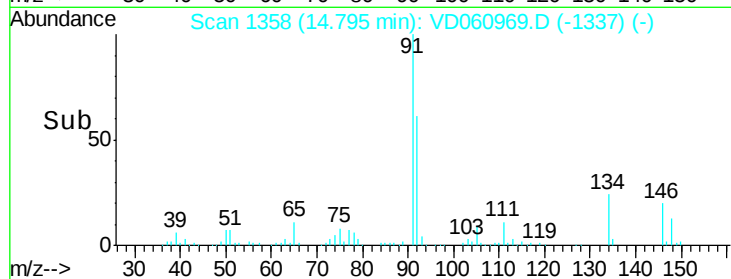
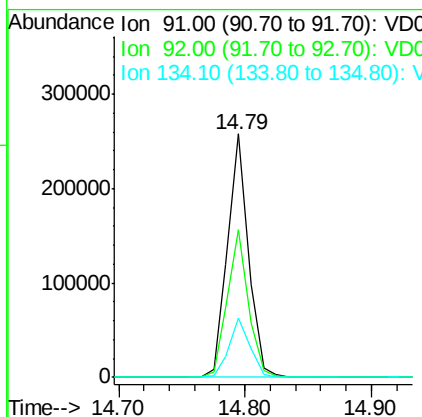
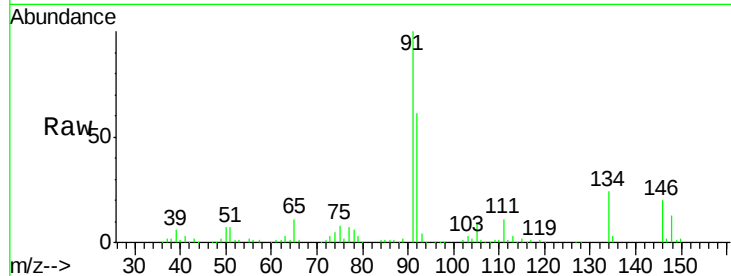
#89
n-Butylbenzene
Concen: 11.381 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.8	30.6	91.8
134	24.3	11.0	33.0

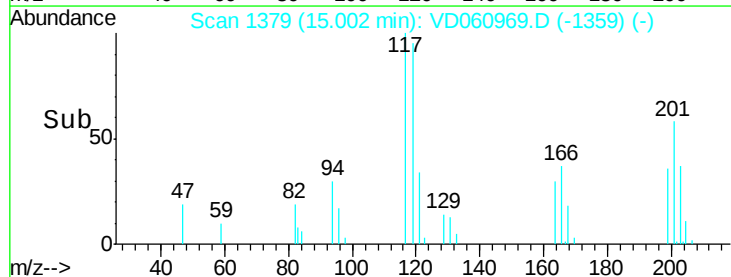
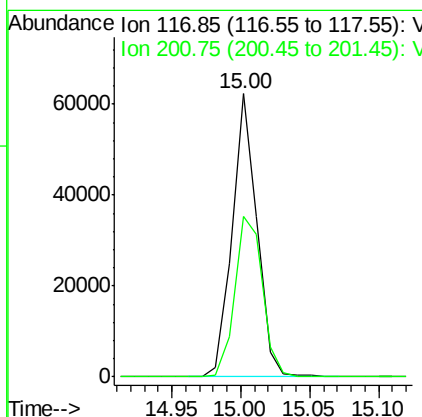
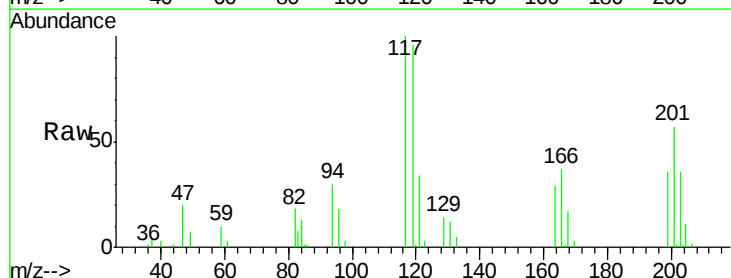
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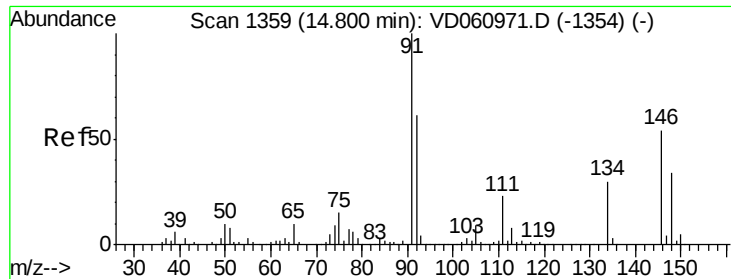
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#90
Hexachloroethane
Concen: 9.737 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.7	36.2	108.6





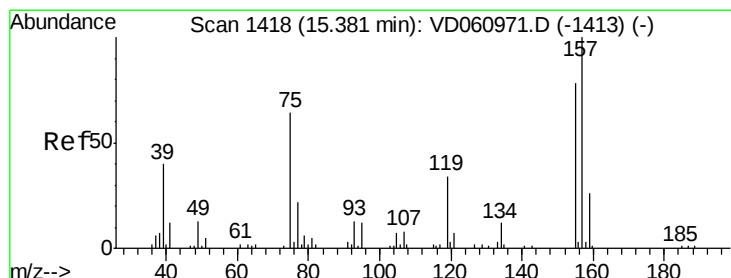
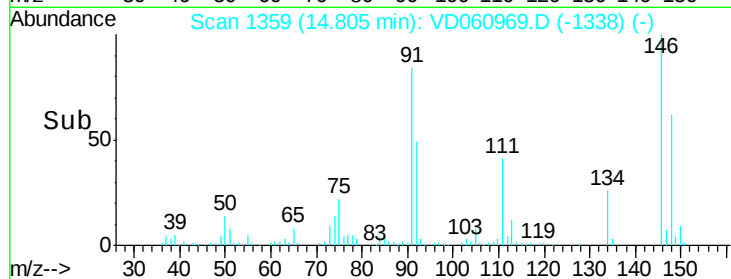
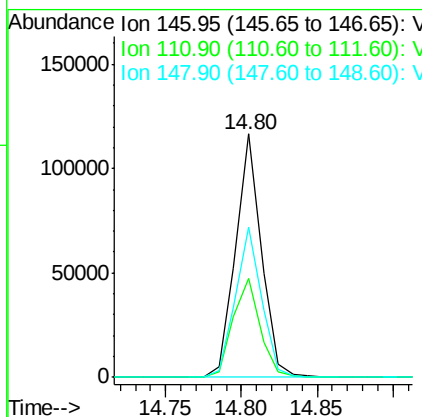
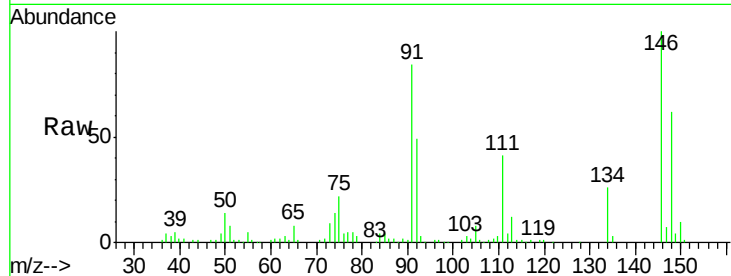
#91
 1,2-Dichlorobenzene
 Concen: 10.524 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.5	64.5
148	61.7	30.9	92.8

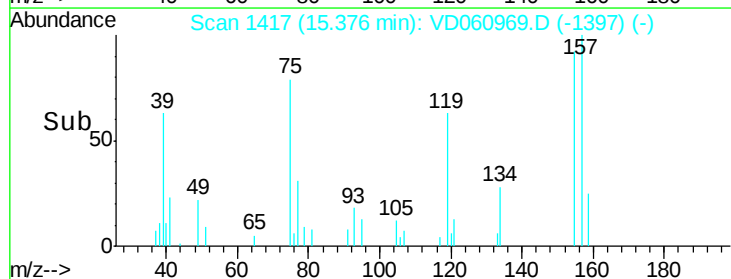
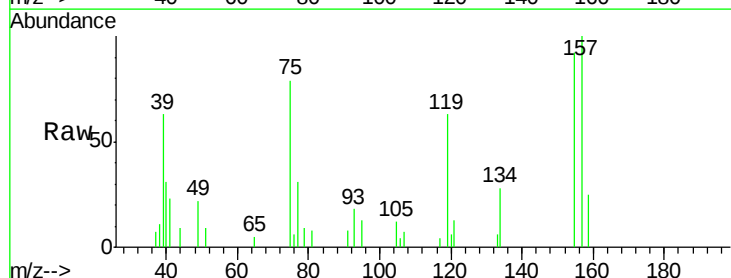
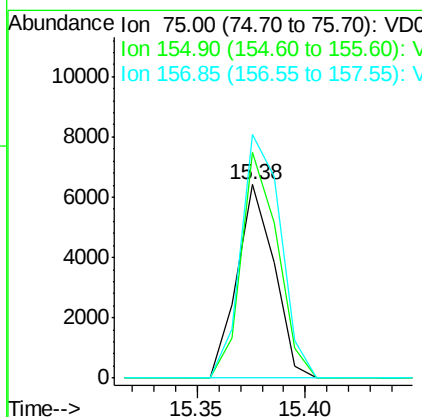
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.454 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	116.4	61.2	183.5
157	125.8	78.3	234.8





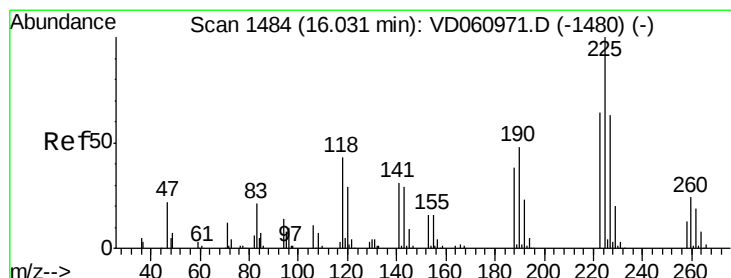
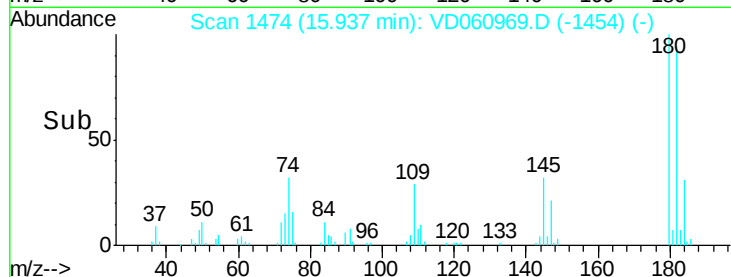
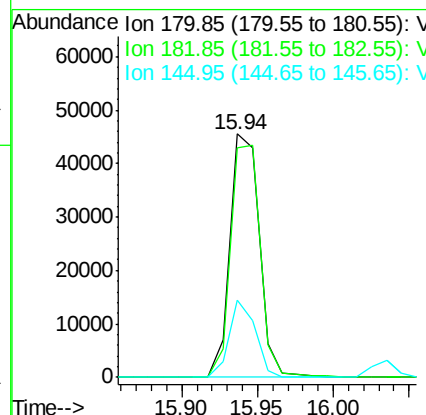
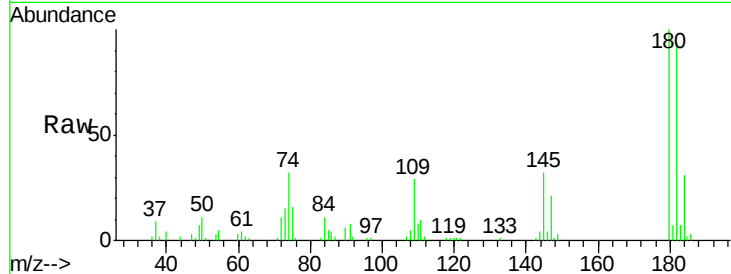
#93
 1,2,4-Trichlorobenzene
 Concen: 8.282 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	142.0
145	31.8	14.4	43.0

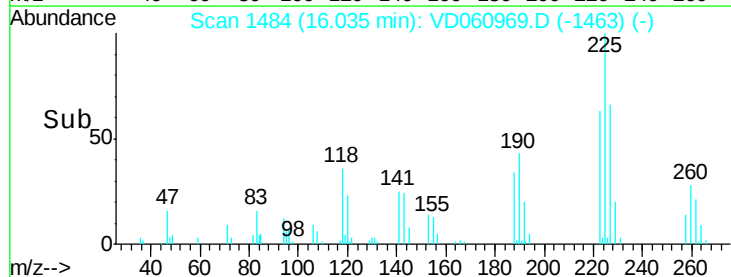
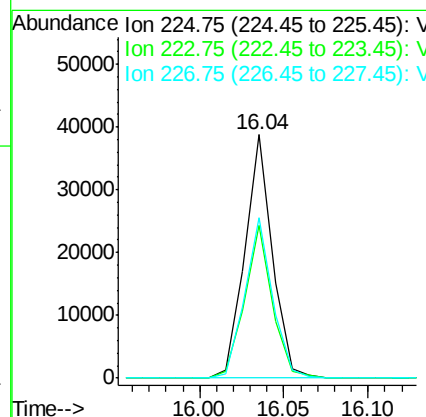
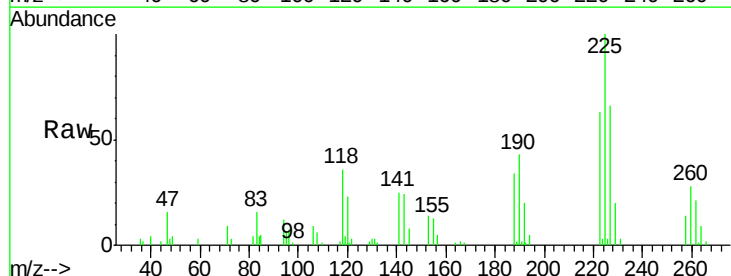
Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:48 PM



#94
 Hexachlorobutadiene
 Concen: 9.303 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.3
227	66.1	31.4	94.0





#95

Naphthalene

Concen: 7.889 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

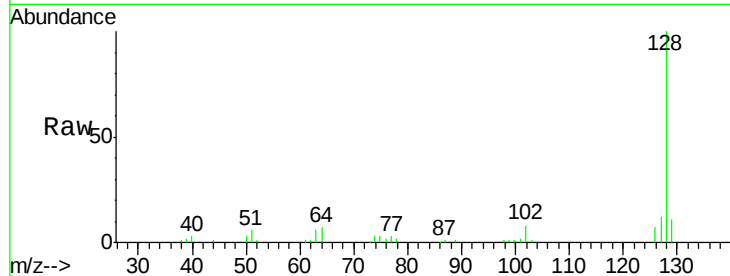
ClientSampleId :

VSTDIC010

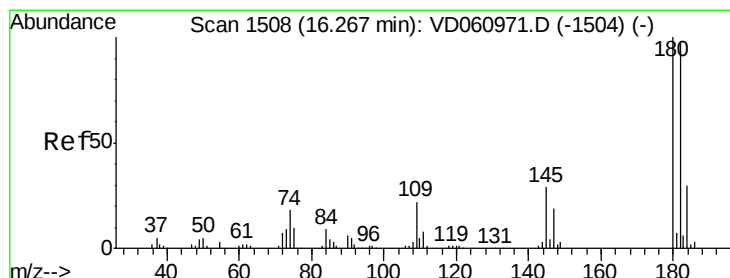
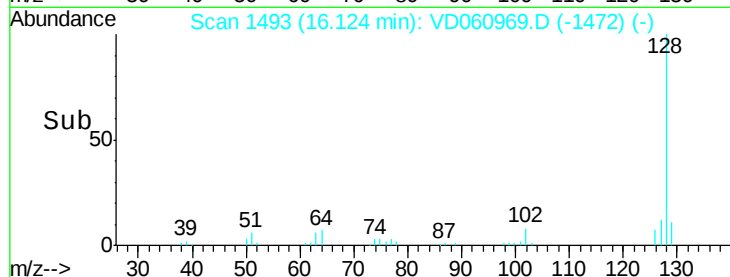
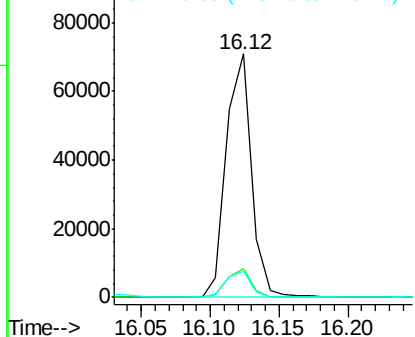
Tot Ion:	128	Resp:	89770
Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.8	14.8
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:46:48 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 7.396 ug/l

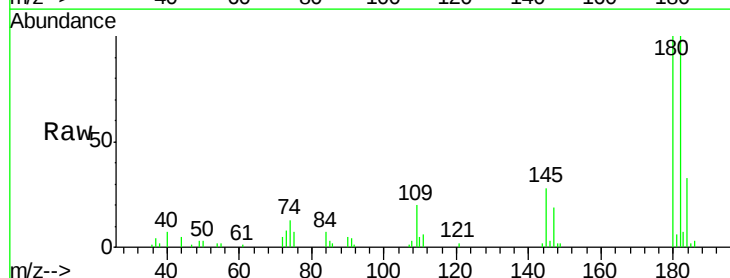
RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	180	Resp:	29548
Ion	Ratio	Lower	Upper
180	100		
182	100.4	48.6	145.8
145	27.9	14.3	42.9



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

