

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120718\
 Data File : VD060511.D
 Acq On : 7 Dec 2018 11:57
 Operator : VA/AP
 Sample : VD1207SBS01
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Manual Integrations
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 12/10/2018 4:46:32 PM

Quant Time: Dec 08 02:16:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1669574	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2297542	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1860949	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	910267	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	596330	50.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	6.32	113	872406	51.70	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	9.44	98	2534678	51.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.42	95	892208	51.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	451505	25.153	ug/l	99
3) Chloromethane	1.77	50	400303	23.336	ug/l	98
4) Vinyl Chloride	1.87	62	323830	23.654	ug/l	98
5) Bromomethane	2.16	94	59437	17.354	ug/l	95
6) Chloroethane	2.26	64	81151	17.119	ug/l	95
7) Trichlorofluoromethane	2.52	101	333641	21.106	ug/l	98
8) Diethyl Ether	2.83	74	55382	20.283	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.10	101	228037	22.233	ug/l	98
10) Methyl Iodide	3.25	142	251398	20.969	ug/l	99
11) Tert butyl alcohol	3.98	59	39878	82.945	ug/l #	94
12) 1,1-Dichloroethene	3.08	96	182491	21.868	ug/l	91
13) Acrolein	2.99	56	51994	98.973	ug/l	96
14) Allyl chloride	3.53	41	353062	22.299	ug/l	99
15) Acrylonitrile	4.08	53	286634	104.999	ug/l	96
16) Acetone	3.16	43	175850	92.705	ug/l	97
17) Carbon Disulfide	3.32	76	597412	22.039	ug/l	99
18) Methyl Acetate	3.56	43	83475	18.516	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	479635	20.726	ug/l	99
20) Methylene Chloride	3.72	84	370187	18.430	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	391410	21.562	ug/l	95
22) Diisopropyl ether	4.85	45	1207663	21.244	ug/l	99
23) Vinyl Acetate	4.80	43	2972722	105.546	ug/l	99
24) 1,1-Dichloroethane	4.75	63	629395	21.312	ug/l	99
25) 2-Butanone	5.61	43	373350	100.042	ug/l	96
26) 2,2-Dichloropropane	5.58	77	508098	22.271	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	390276	21.145	ug/l	95
28) Bromochloromethane	5.91	49	256540	19.609	ug/l	96
29) Tetrahydrofuran	5.94	42	209150	98.968	ug/l	99
30) Chloroform	6.09	83	621272	20.881	ug/l	99
31) Cyclohexane	6.36	56	605873	21.833	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	530073	21.672	ug/l	98
36) 1,1-Dichloropropene	6.51	75	497407	22.148	ug/l	98
37) Ethyl Acetate	5.69	43	202667	20.808	ug/l #	98
38) Carbon Tetrachloride	6.48	117	451462	22.392	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	563190	21.998	ug/l	99
40) Benzene	6.78	78	1238286	21.574	ug/l	100
41) Methacrylonitrile	5.92	41	107993m	20.569	ug/l	
42) 1,2-Dichloroethane	6.88	62	311910	21.374	ug/l	100
43) Isopropyl Acetate	8.33	43	244588	20.343	ug/l #	97
44) Trichloroethene	7.72	130	368923	21.508	ug/l	98
45) 1,2-Dichloropropane	8.09	63	308834	21.756	ug/l	94
46) Dibromomethane	8.21	93	173360	21.137	ug/l	97
47) Bromodichloromethane	8.47	83	415400	21.346	ug/l	100
48) Methyl methacrylate	8.24	41	148882	20.928	ug/l	97
49) 1,4-Dioxane	8.22	88	28764	446.122	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	755985	101.084	ug/l	97
52) Toluene	9.54	92	776563	21.647	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	344368	21.536	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	451724	21.501	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	204048	20.425	ug/l	99
56) Ethyl methacrylate	10.02	69	188734	20.875	ug/l	98
57) 1,3-Dichloropropane	10.37	76	311883	20.195	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	571408	105.624	ug/l	96
59) 2-Hexanone	10.47	43	533689	102.092	ug/l	95
60) Dibromochloromethane	10.63	129	260863	20.885	ug/l	98
61) 1,2-Dibromoethane	10.75	107	208136	20.444	ug/l	97
64) Tetrachloroethene	10.24	164	337193	20.463	ug/l	99
65) Chlorobenzene	11.31	112	838450	21.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	273285	21.537	ug/l	97
67) Ethyl Benzene	11.41	91	1490502	22.196	ug/l	98
68) m/p-Xylenes	11.55	106	1082849	43.587	ug/l	96
69) o-Xylene	11.93	106	495901	20.945	ug/l	97
70) Styrene	11.95	104	789279	20.769	ug/l	98
71) Bromoform	12.10	173	165594	19.560	ug/l	96
73) Isopropylbenzene	12.27	105	1455158	22.591	ug/l	98
74) N-amyl acetate	12.12	43	315706	20.280	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	212778	20.634	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	212558	20.609	ug/l	99
77) Bromobenzene	12.53	156	358358	21.165	ug/l	91
78) n-propylbenzene	12.63	91	1792227	22.011	ug/l	96
79) 2-Chlorotoluene	12.69	91	965916	21.861	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	1087654	22.098	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	57900	20.128	ug/l	94
82) 4-Chlorotoluene	12.80	91	1082387	21.811	ug/l	97
83) tert-Butylbenzene	13.04	119	1232469	22.333	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1126623	22.106	ug/l	98
85) sec-Butylbenzene	13.22	105	1511090	21.969	ug/l	95
86) p-Isopropyltoluene	13.33	119	1194415	21.906	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	654886	21.362	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	649794	21.606	ug/l	97
89) n-Butylbenzene	13.64	91	1302221	21.578	ug/l	98
90) Hexachloroethane	13.85	117	297048	21.728	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	554446	22.131	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	25273	20.226	ug/l	72

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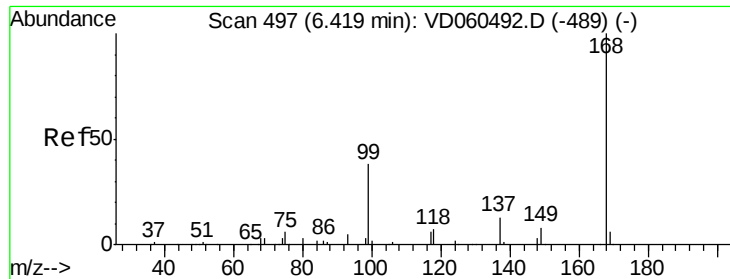
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	422602	21.578	ug/l	96
94) Hexachlorobutadiene	14.87	225	314099	21.738	ug/l	97
95) Naphthalene	14.96	128	483145	20.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	324873	20.818	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion:168 Resp: 1669574

Ion Ratio Lower Upper

168 100

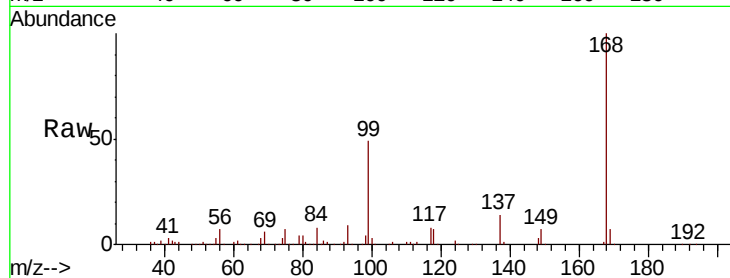
99 48.9 35.6 53.4

Manual Integrations

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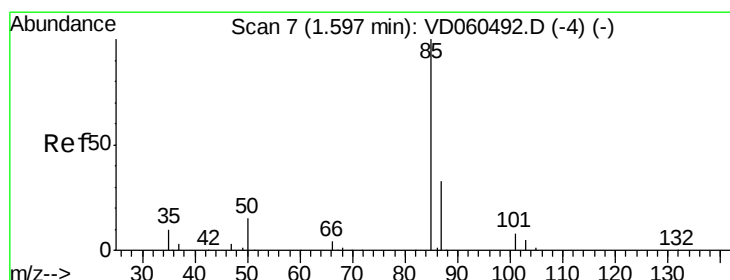
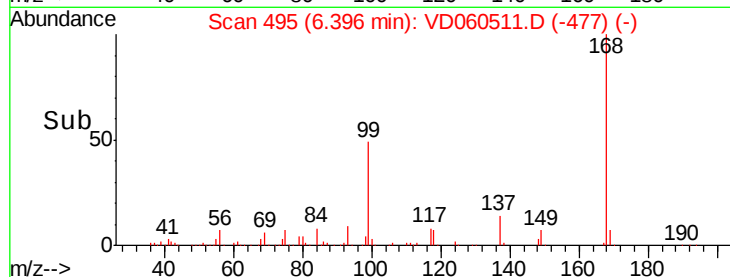
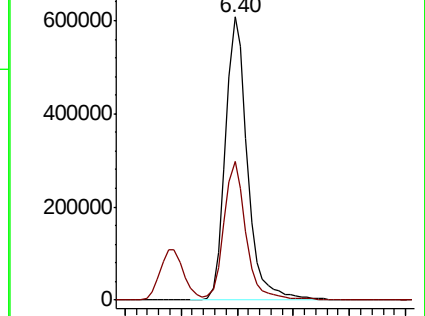
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 25.153 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060511.D

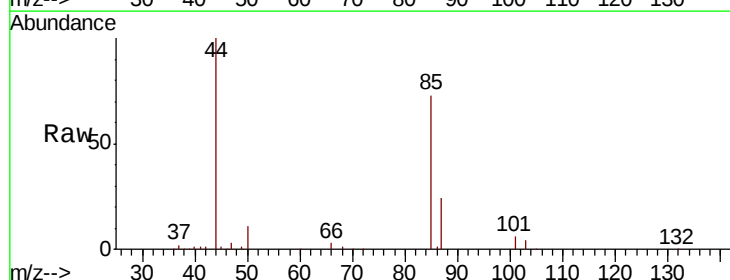
Acq: 7 Dec 2018 11:57

Tgt Ion: 85 Resp: 451505

Ion Ratio Lower Upper

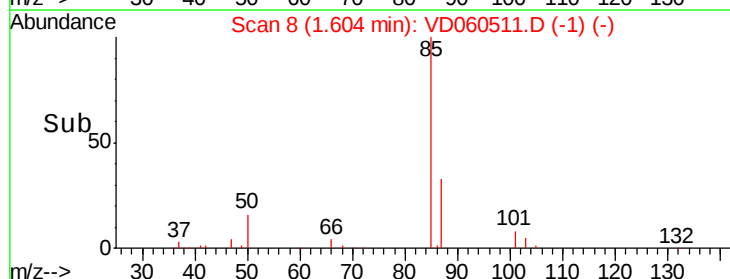
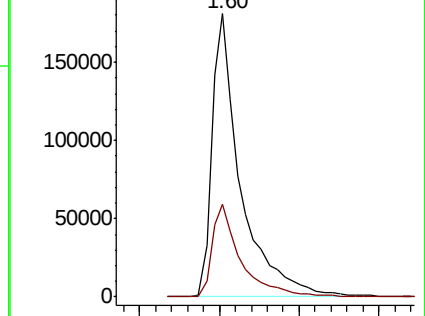
85 100

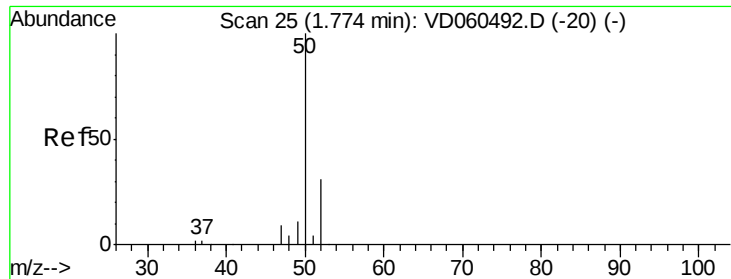
87 32.9 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.336 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 50 Resp: 400303

Ion Ratio Lower Upper

50 100

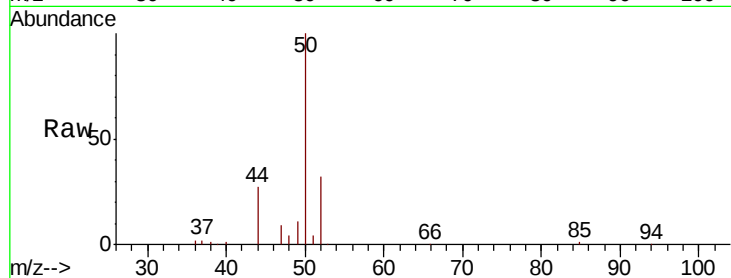
52 32.1 25.0 37.4

Manual Integrations

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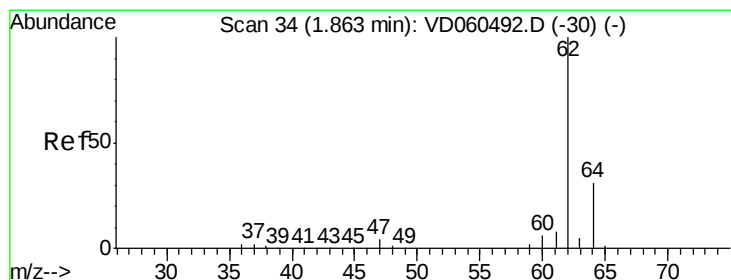
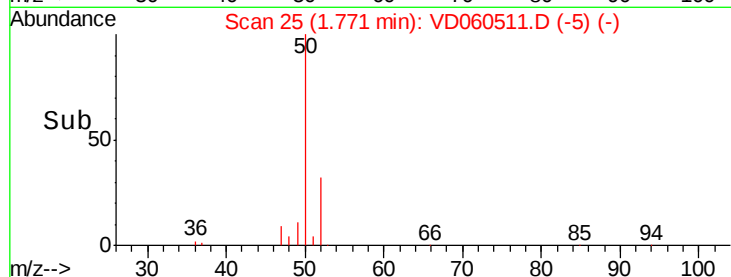
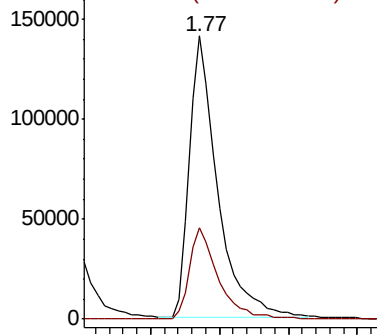
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.654 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060511.D

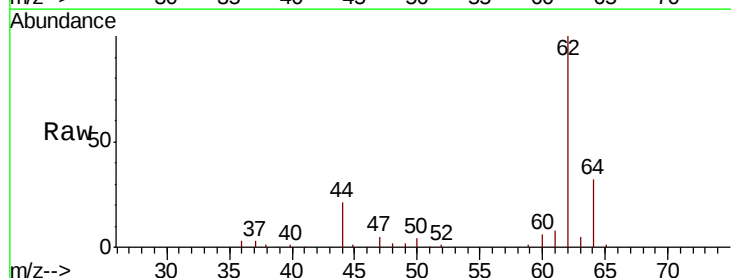
Acq: 7 Dec 2018 11:57

Tgt Ion: 62 Resp: 323830

Ion Ratio Lower Upper

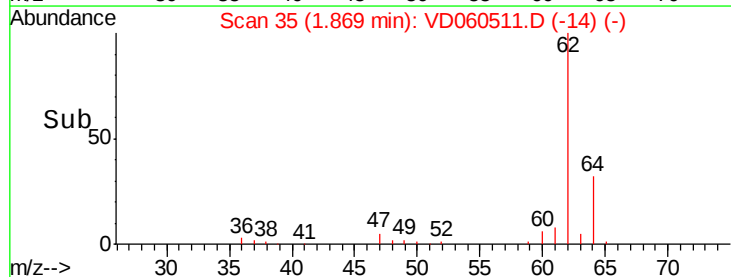
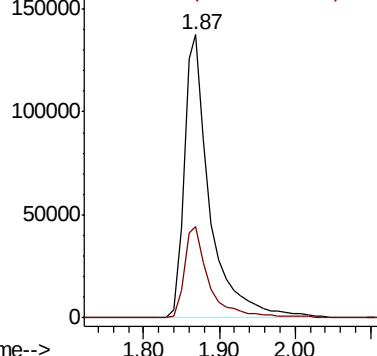
62 100

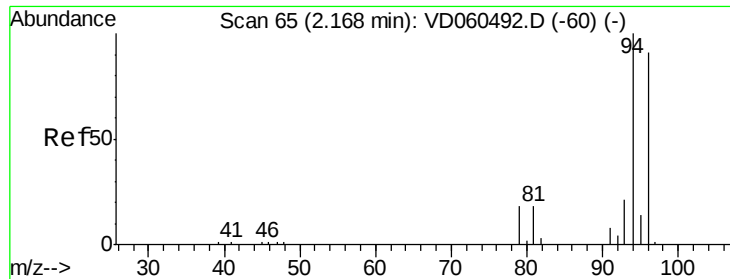
64 32.1 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.354 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 94 Resp: 59437

Ion Ratio Lower Upper

94 100

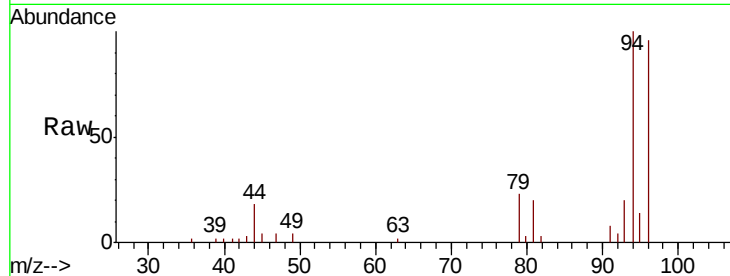
96 95.5 72.6 108.8

Manual Integrations

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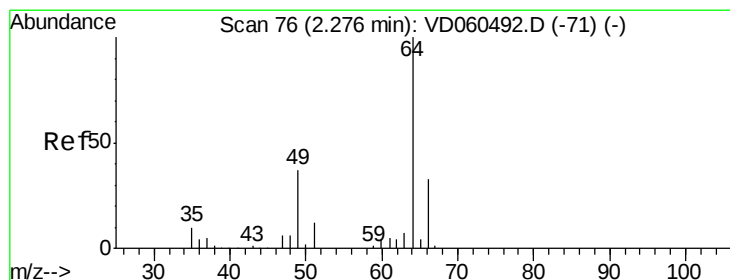
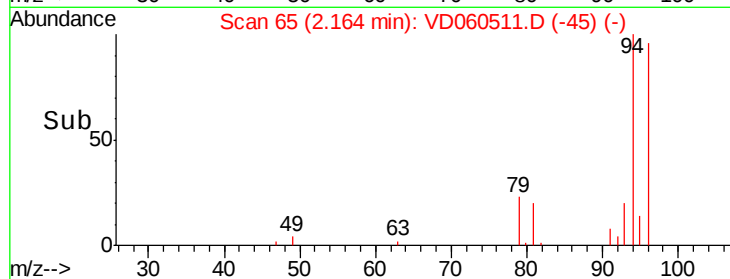
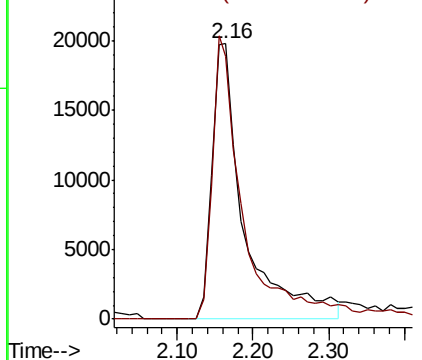
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.119 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060511.D

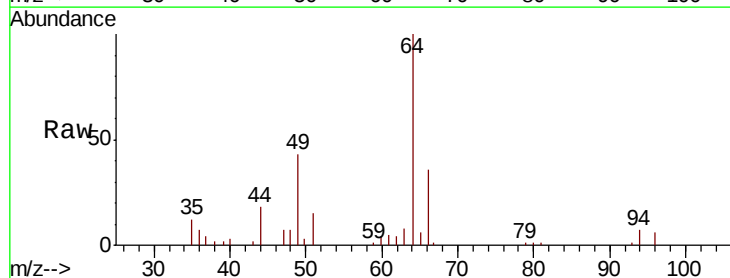
Acq: 7 Dec 2018 11:57

Tgt Ion: 64 Resp: 81151

Ion Ratio Lower Upper

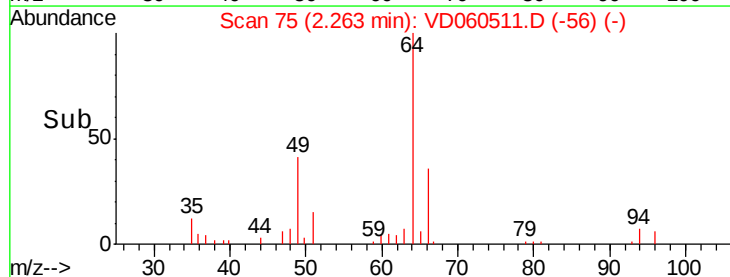
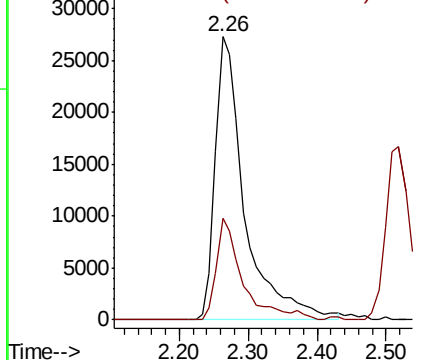
64 100

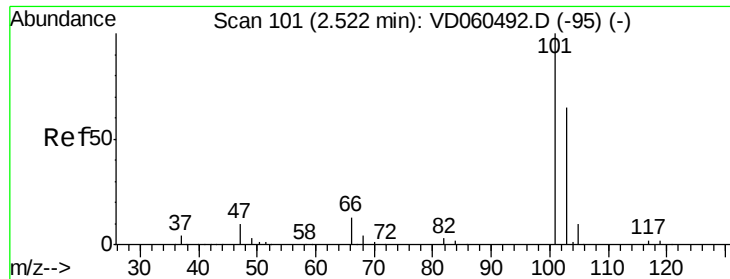
66 35.7 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

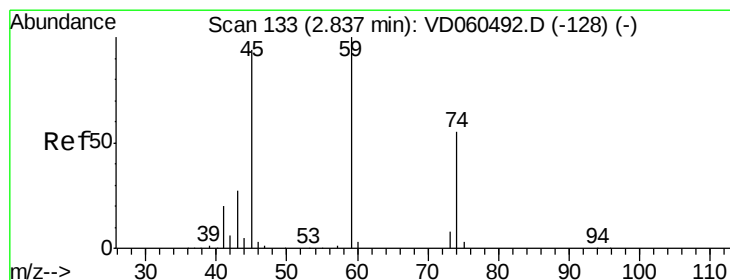
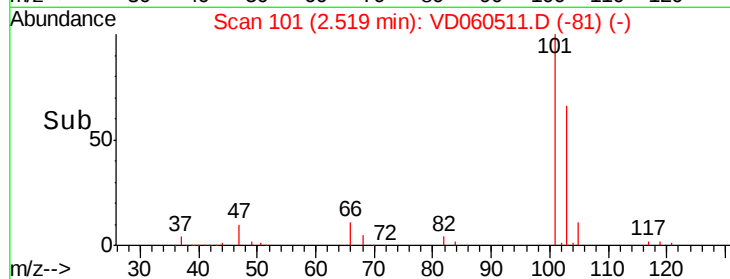
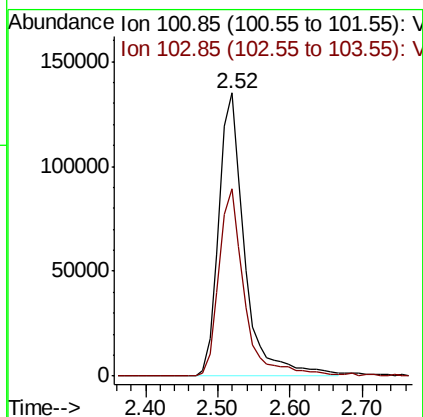
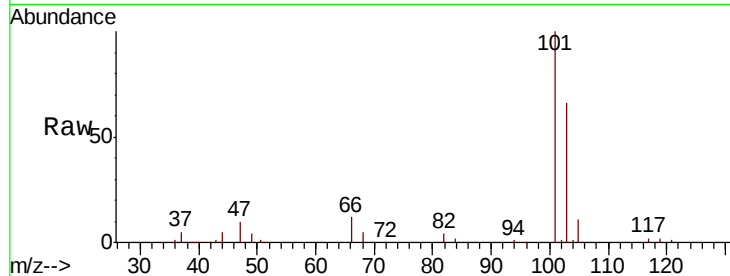
Trichlorofluoromethane
Concen: 21.106 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
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VD1207SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.8	77.8

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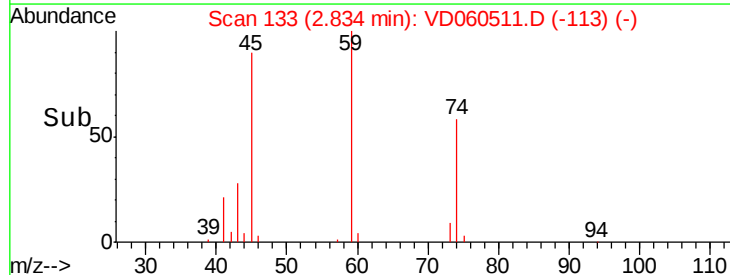
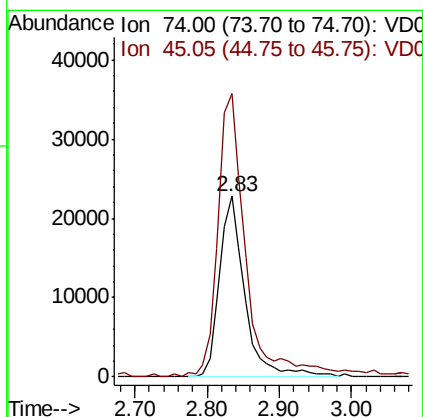
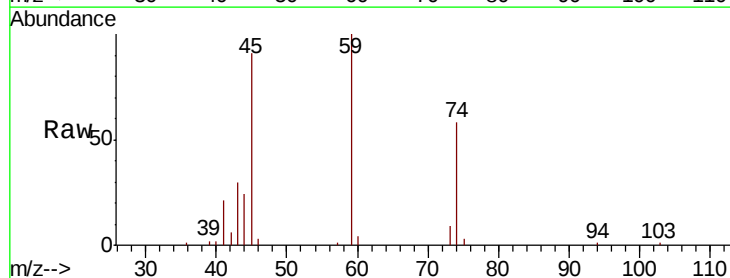
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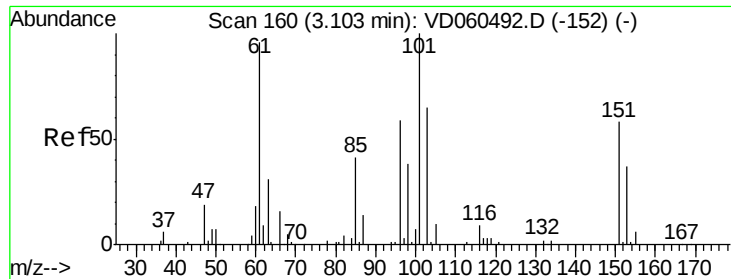


#8

Diethyl Ether
Concen: 20.283 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.00 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	156.6	86.0	258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.233 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

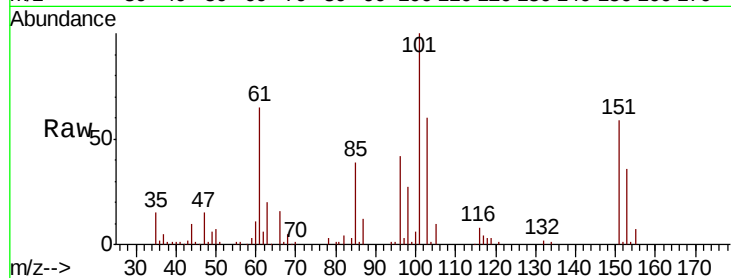
ClientSampleId :

VD1207SBS01

Tot Ion:	101	Resp:	228037
Ion Ratio	Lower	Upper	
101	100		
85	38.8	32.7	49.1
151	59.0	46.6	69.8

Manual Integrations
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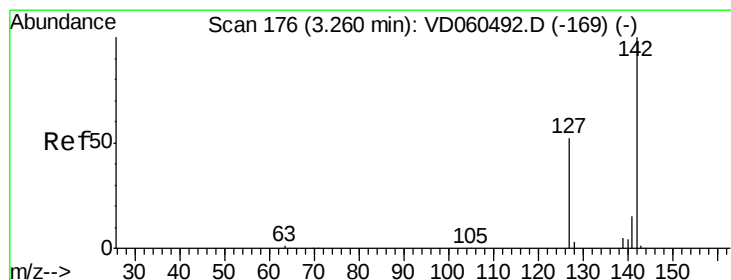
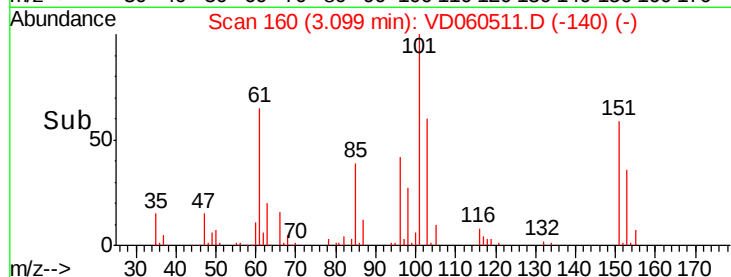
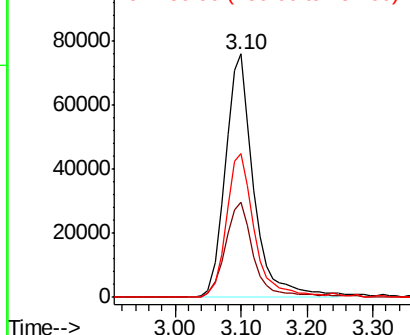


Abundance

Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.969 ug/l

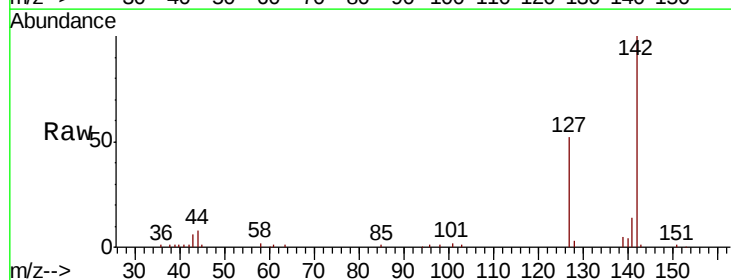
RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Tgt Ion:	142	Resp:	251398
Ion Ratio	Lower	Upper	
142	100		
127	51.7	41.2	61.8
141	14.0	11.9	17.9

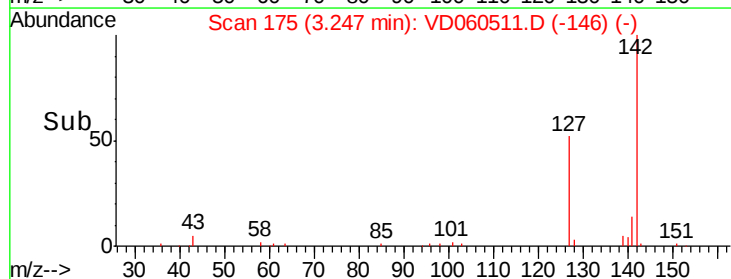
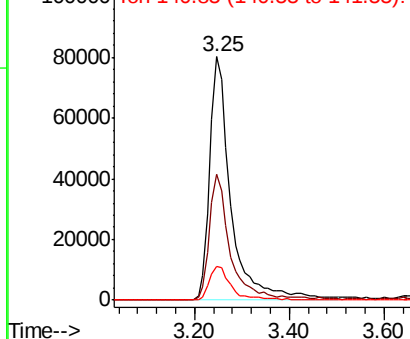


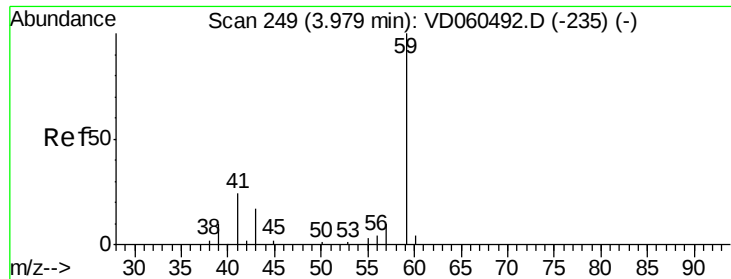
Abundance

Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

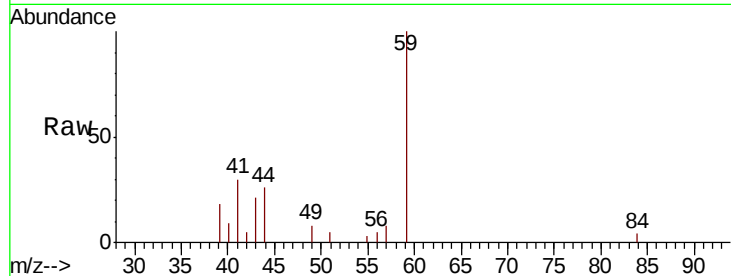
Tert butyl alcohol
Concen: 82.945 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.00 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

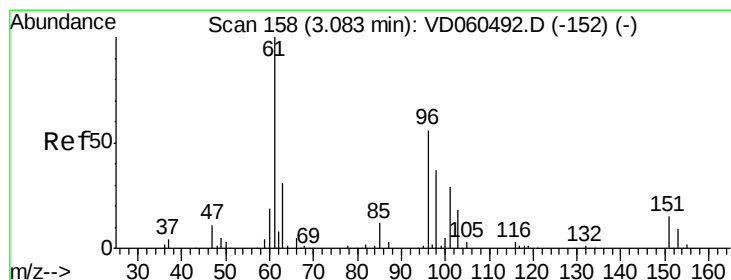
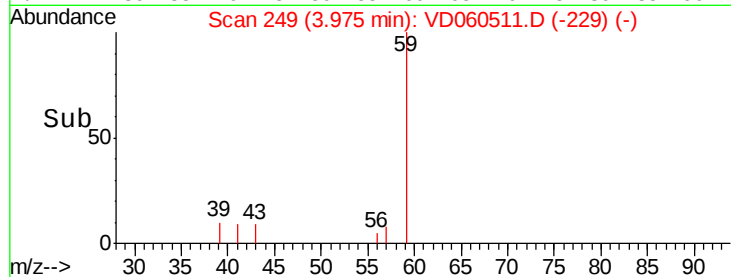
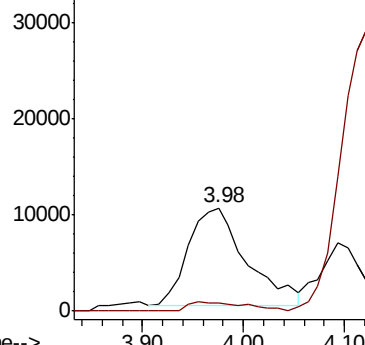
Tot Ion: 59 Resp: 39878
Ion Ratio Lower Upper
59 100
57 7.9 8.1 12.1#

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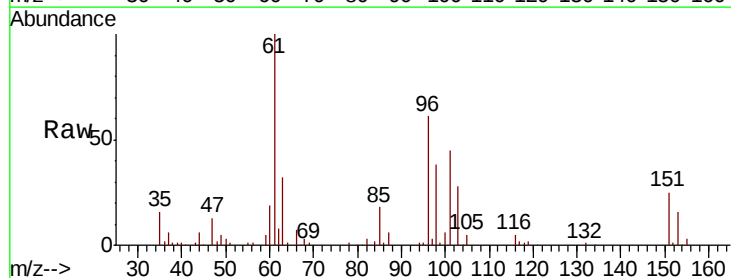
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



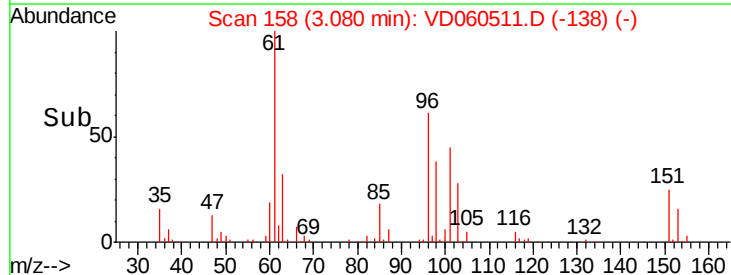
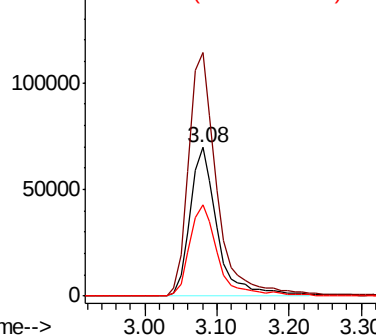
#12

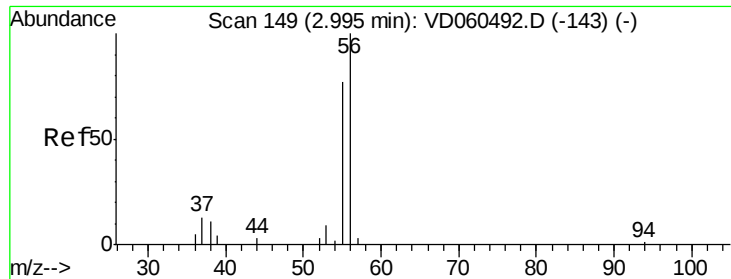
1,1-Dichloroethene
Concen: 21.868 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 96 Resp: 182491
Ion Ratio Lower Upper
96 100
61 163.9 143.0 214.4
98 61.7 53.4 80.0



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





#13

Acrolein

Concen: 98.973 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 56 Resp: 51994

Ion Ratio Lower Upper

56 100

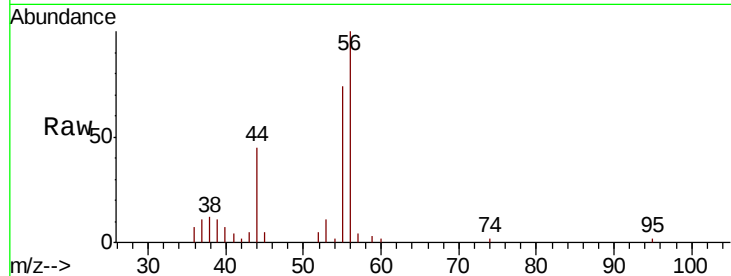
55 74.4 62.0 93.0

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

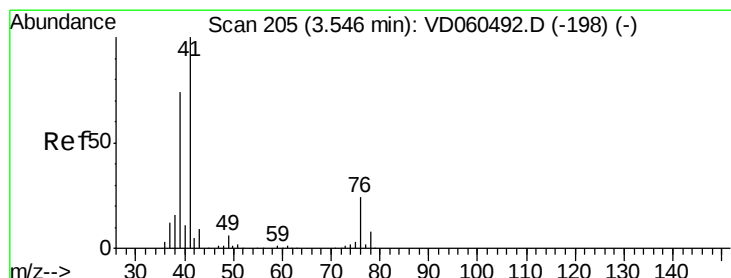
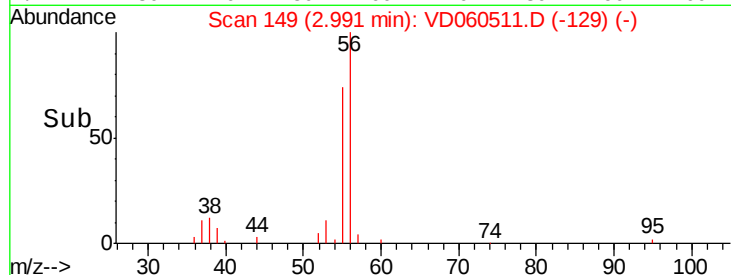
5000

0

Time-->

2.90 3.00 3.10 3.20

2.99



#14

Allyl chloride

Concen: 22.299 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

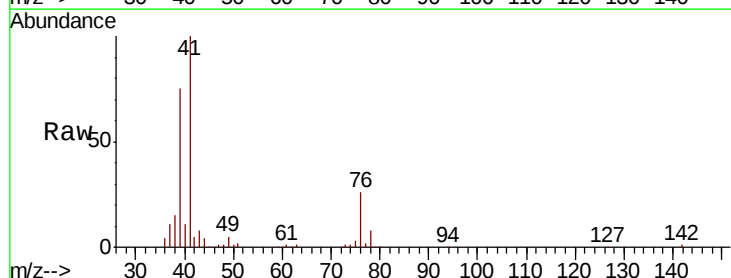
Tgt Ion: 41 Resp: 353062

Ion Ratio Lower Upper

41 100

39 74.8 59.3 88.9

76 25.6 21.0 31.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

100000

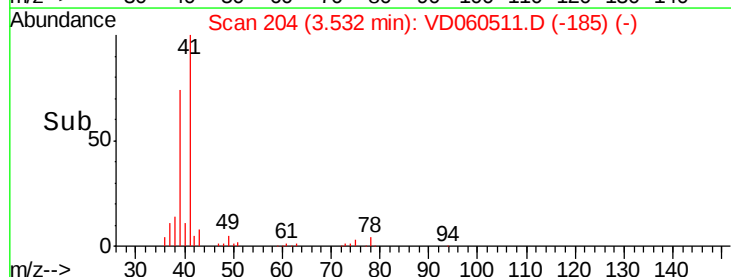
50000

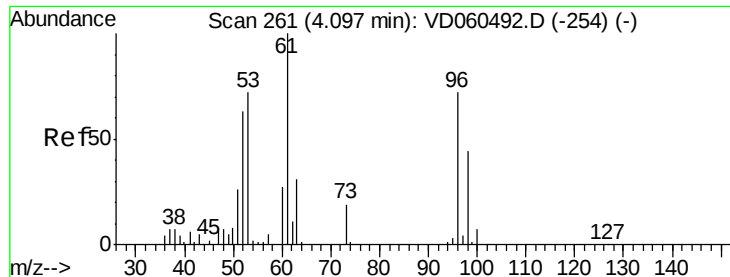
0

Time-->

3.40 3.50 3.60

3.53





#15

Acrylonitrile

Concen: 104.999 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 53 Resp: 286634

Ion Ratio Lower Upper

53 100

52 82.4 70.0 105.0

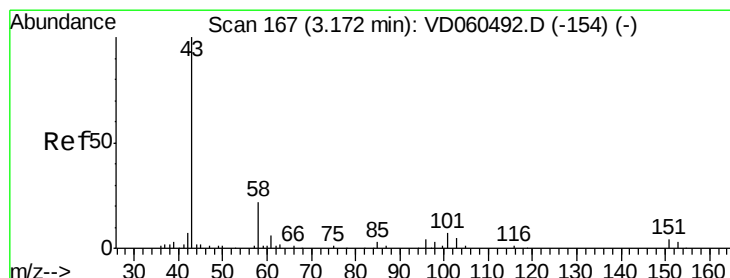
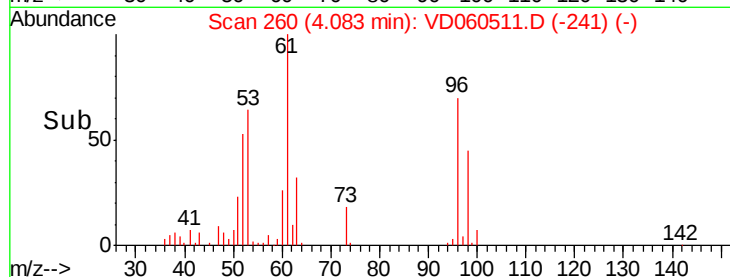
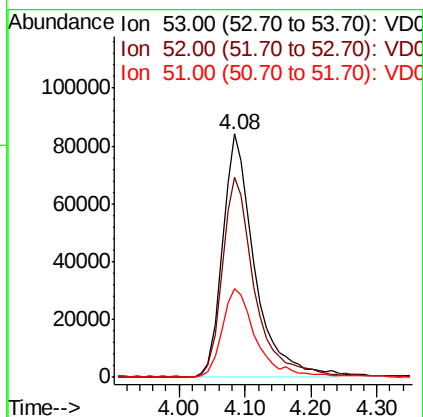
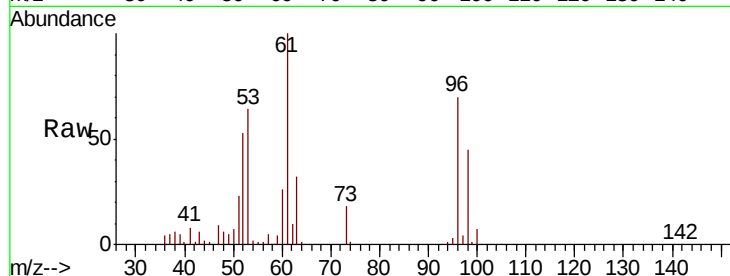
51 36.5 28.8 43.2

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#16

Acetone

Concen: 92.705 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060511.D

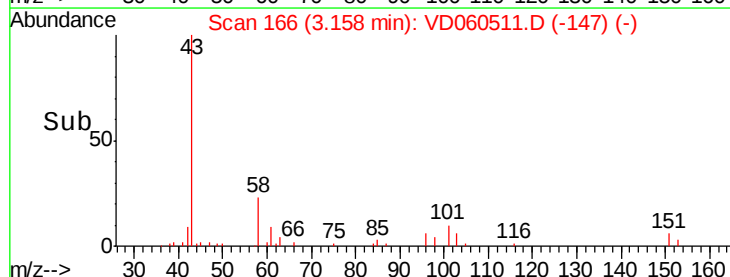
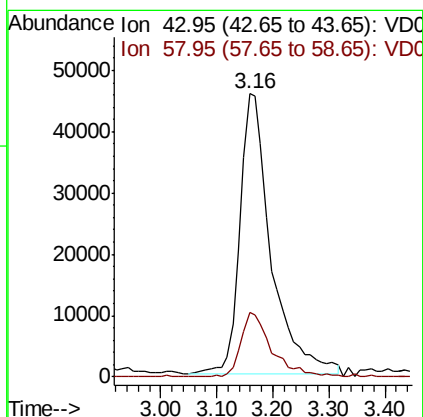
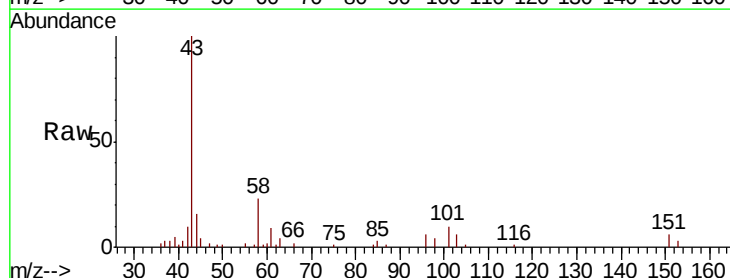
Acq: 7 Dec 2018 11:57

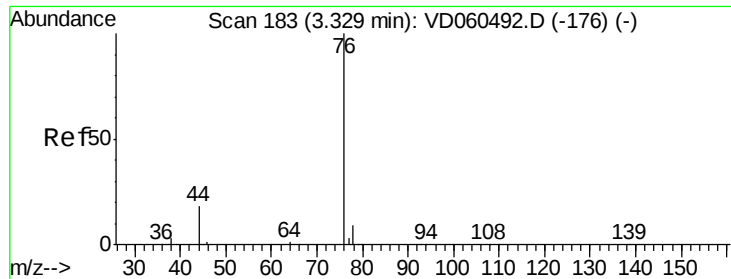
Tgt Ion: 43 Resp: 175850

Ion Ratio Lower Upper

43 100

58 22.9 17.3 25.9





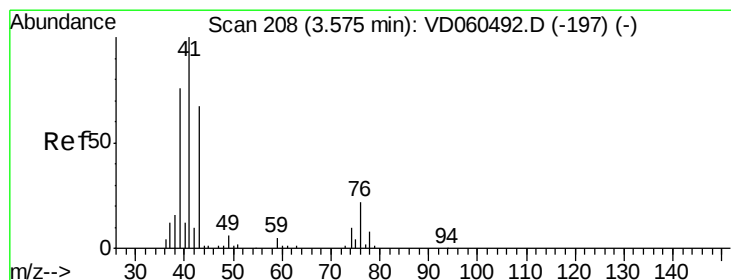
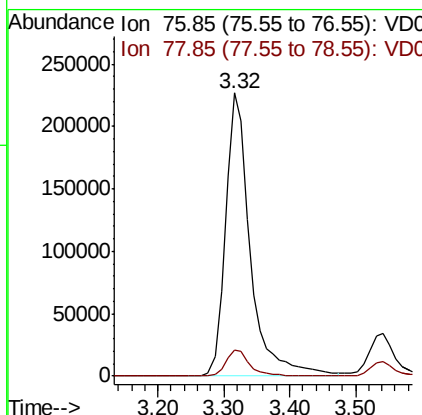
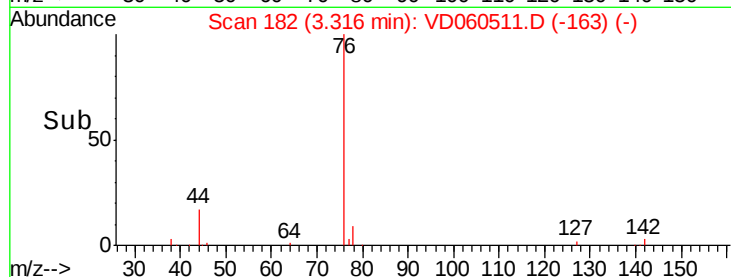
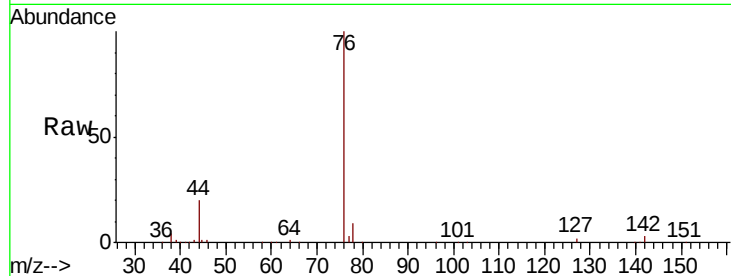
#17
Carbon Disulfide
Concen: 22.039 ug/l
RT: 3.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

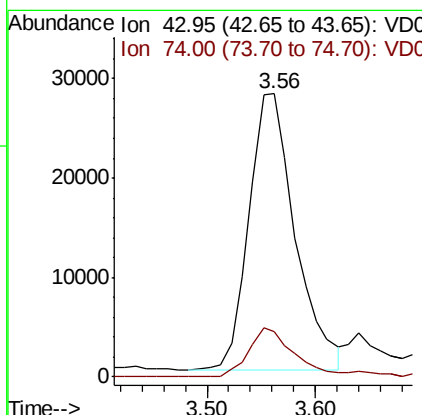
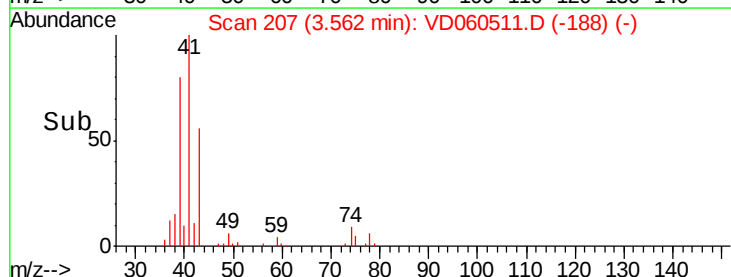
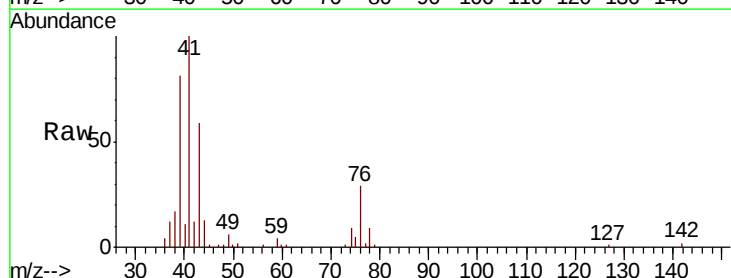
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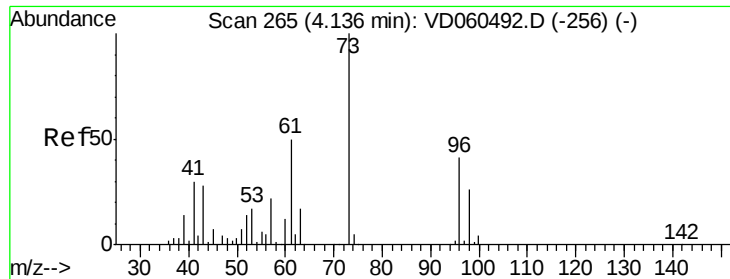
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#18
Methyl Acetate
Concen: 18.516 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.9	12.0	18.0





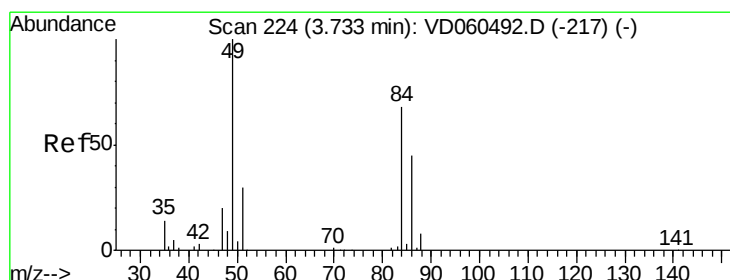
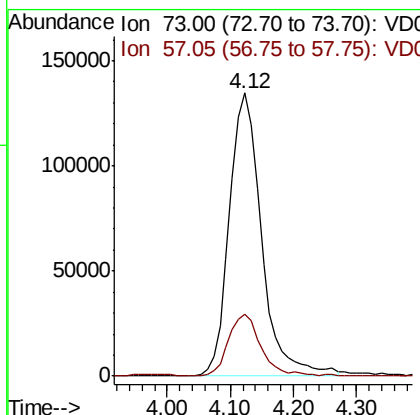
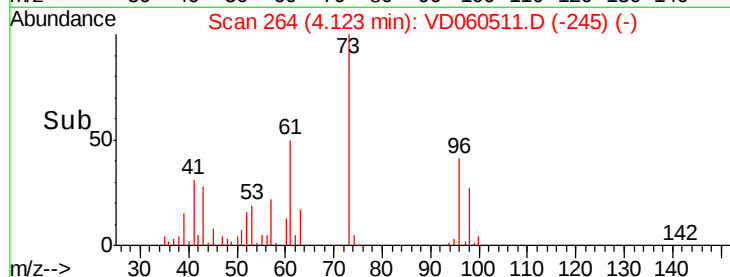
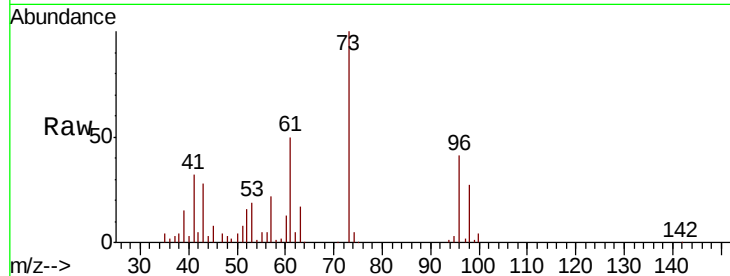
#19
Methyl tert-butyl Ether
Concen: 20.726 ug/l
RT: 4.12 min Scan# 264
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 73 Resp: 479635
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.6

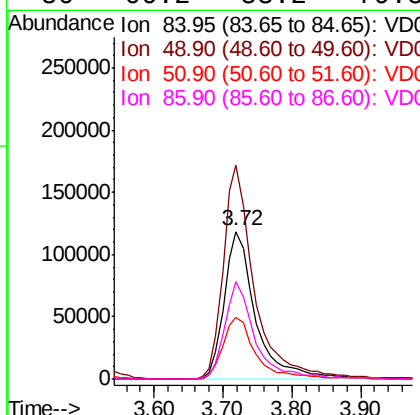
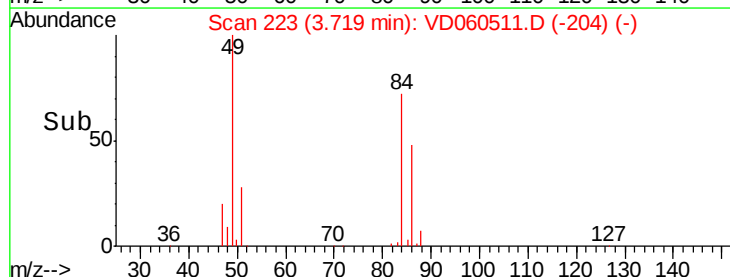
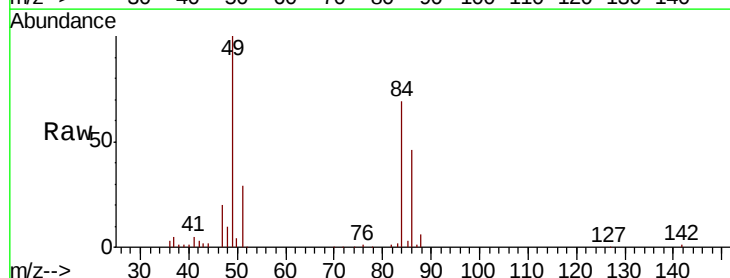
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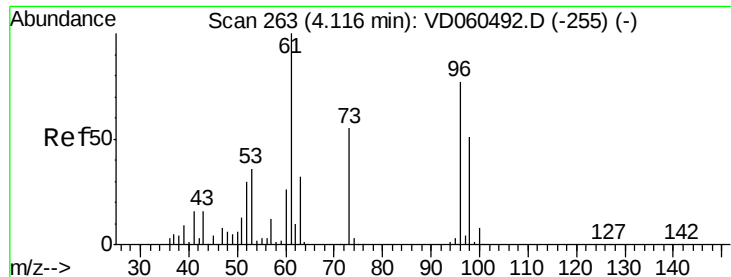
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#20
Methylene Chloride
Concen: 18.430 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 84 Resp: 370187
Ion Ratio Lower Upper
84 100
49 144.6 117.2 175.8
51 41.4 35.3 52.9
86 66.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.562 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 96 Resp: 391410

Ion Ratio Lower Upper

96 100

61 138.4 104.2 156.4

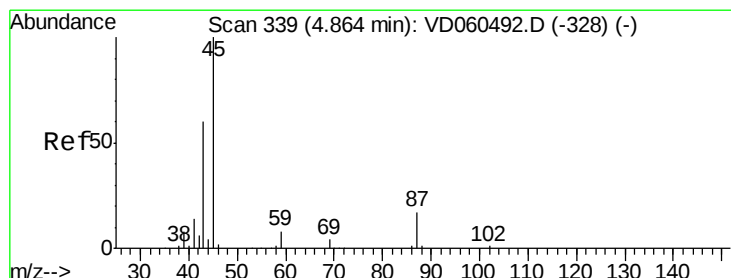
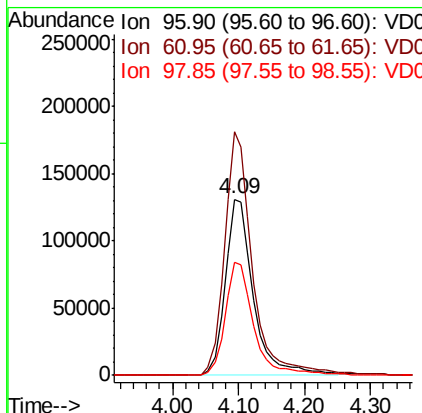
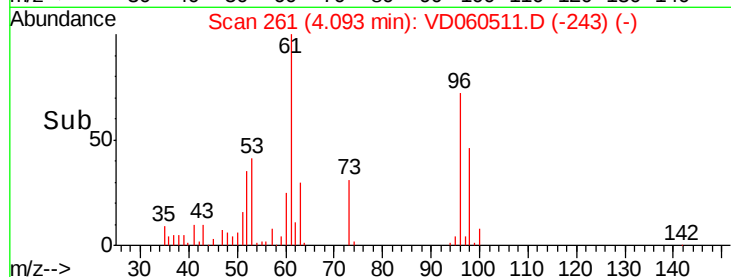
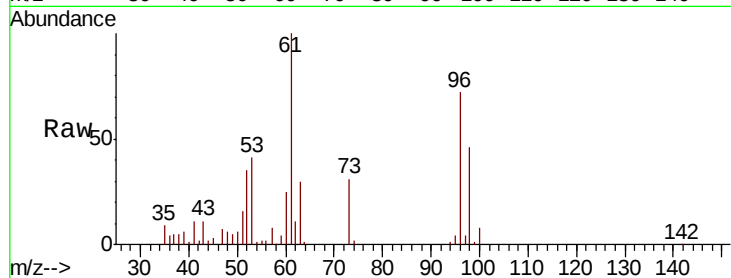
98 64.2 52.8 79.2

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#22

Diisopropyl ether

Concen: 21.244 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Tgt Ion: 45 Resp: 1207663

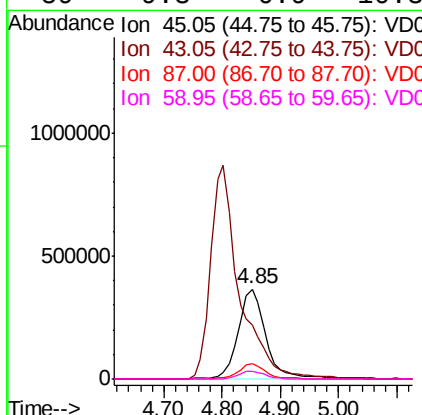
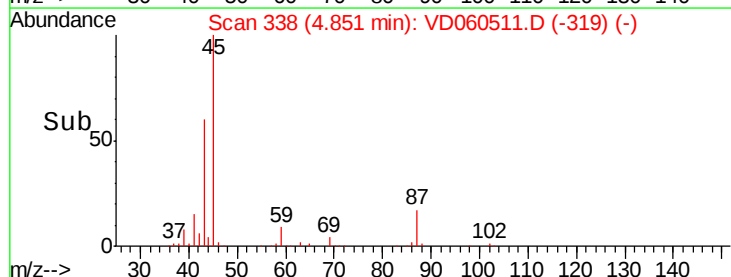
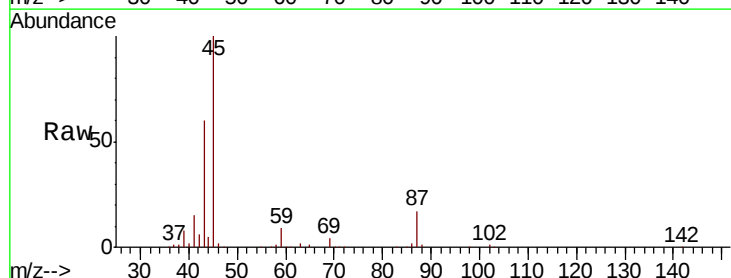
Ion Ratio Lower Upper

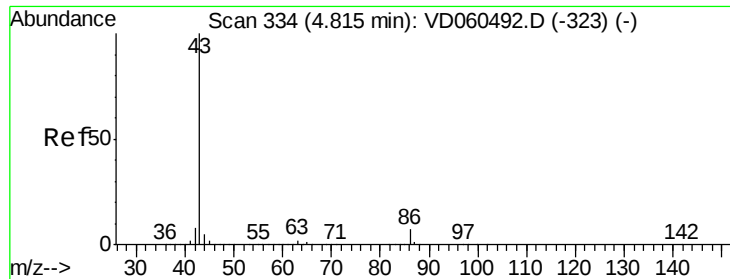
45 100

43 59.5 48.6 73.0

87 17.4 14.0 21.0

59 9.3 6.9 10.3





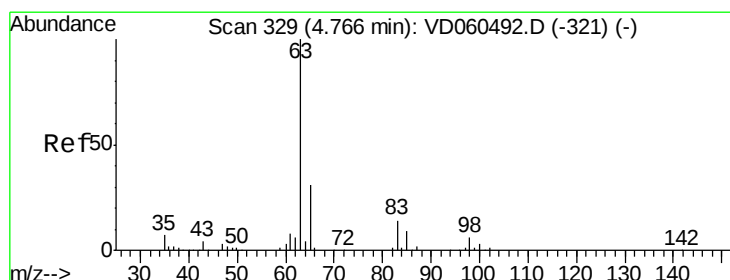
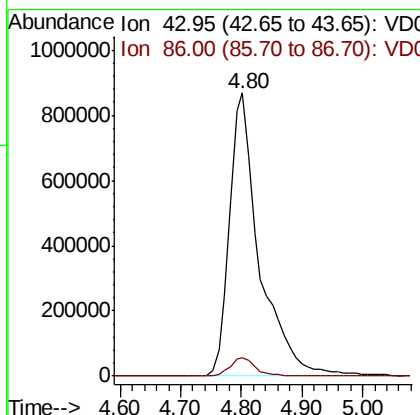
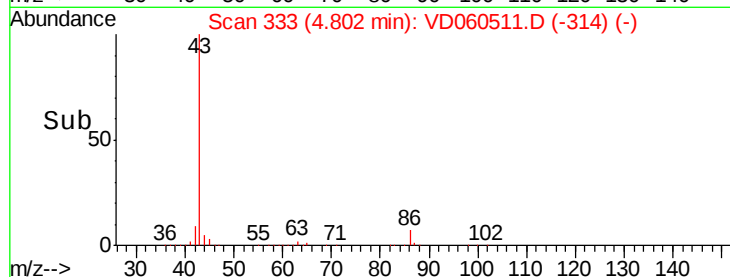
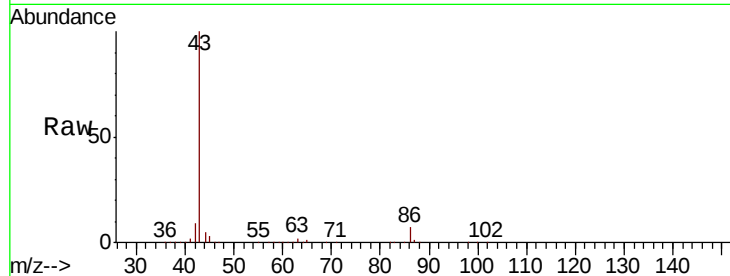
#23
 Vinyl Acetate
 Concen: 105.546 ug/l
 RT: 4.80 min Scan# 333
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1207SBS01

Tot Ion: 43 Resp: 2972722
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.5 8.3

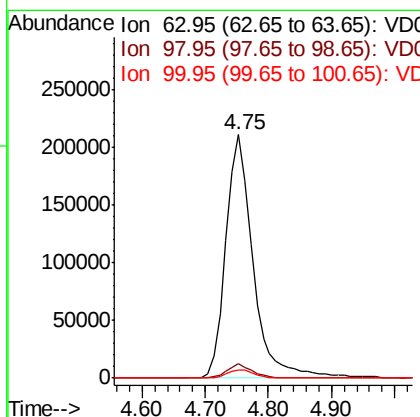
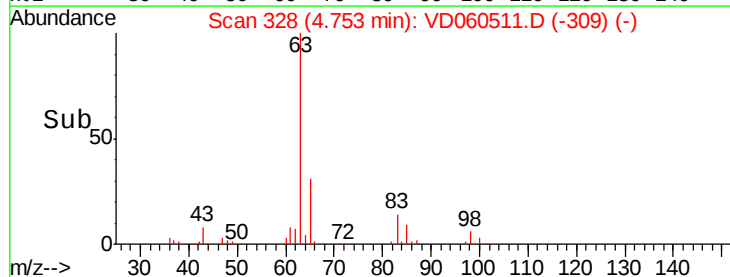
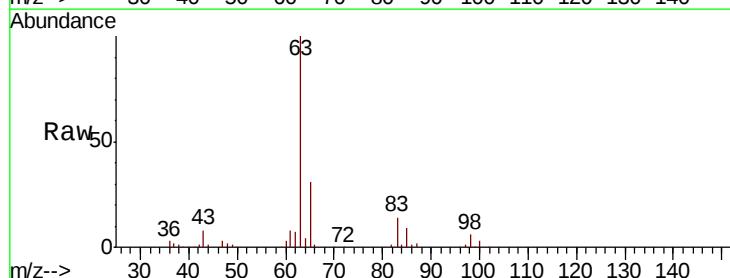
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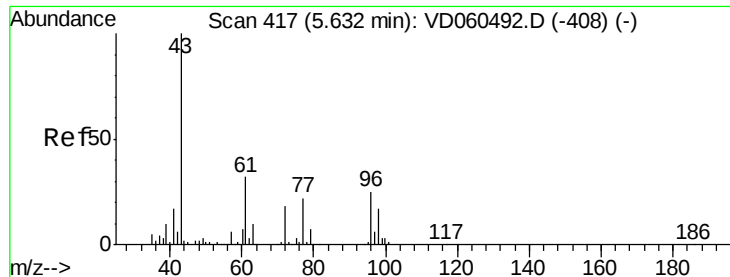
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#24
 1,1-Dichloroethane
 Concen: 21.312 ug/l
 RT: 4.75 min Scan# 328
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 63 Resp: 629395
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.3
 100 3.2 1.7 5.1





#25

2-Butanone

Concen: 100.042 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 43 Resp: 373350

Ion Ratio Lower Upper

43 100

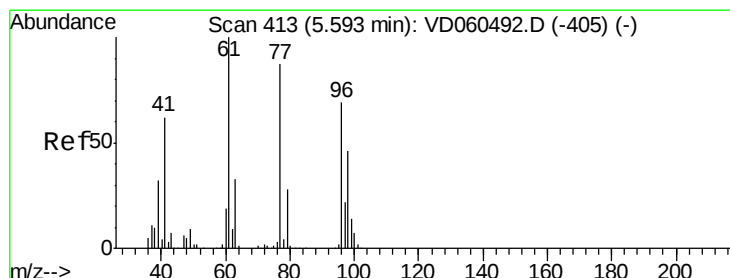
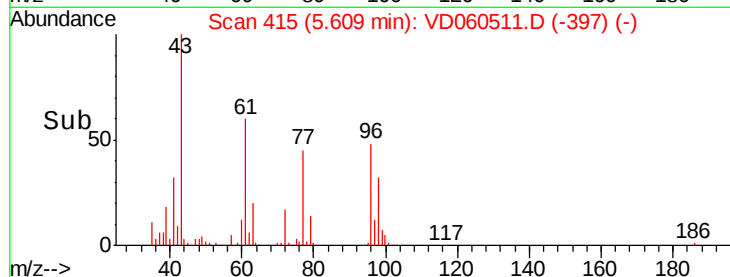
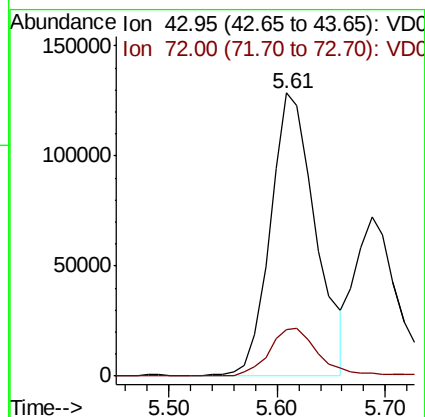
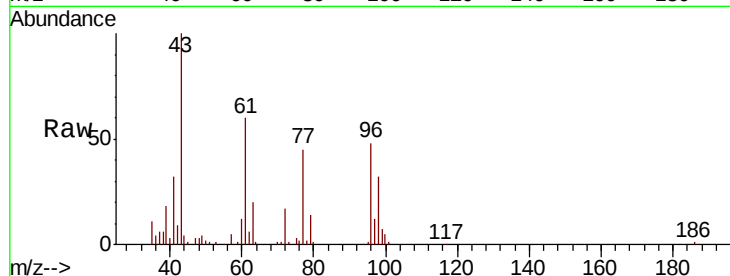
72 16.6 14.6 21.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.271 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.01 min

Lab File: VD060511.D

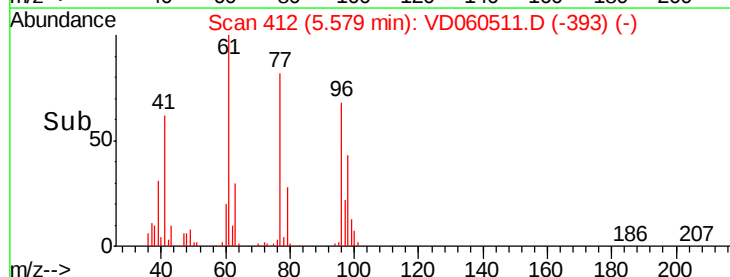
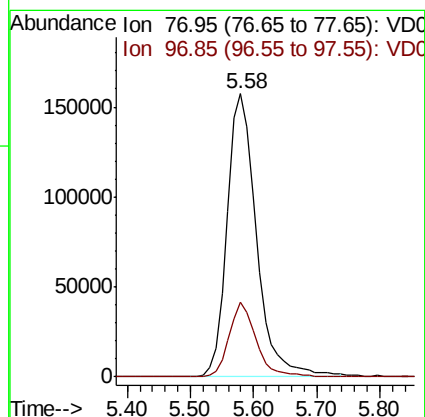
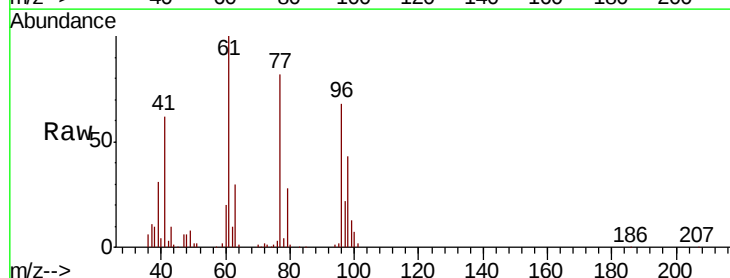
Acq: 7 Dec 2018 11:57

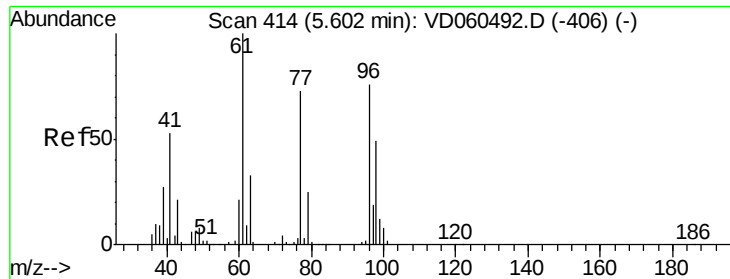
Tgt Ion: 77 Resp: 508098

Ion Ratio Lower Upper

77 100

97 26.5 12.7 38.0





#27

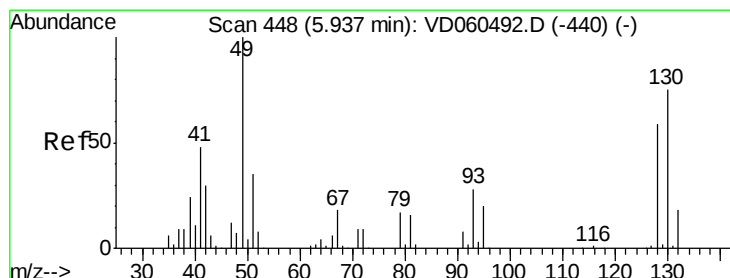
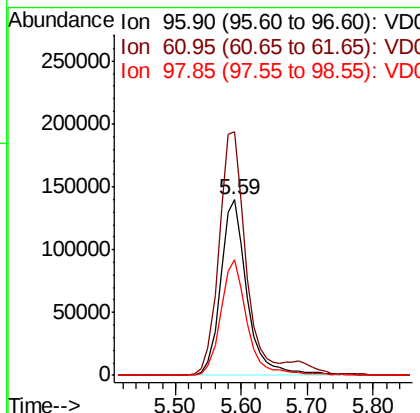
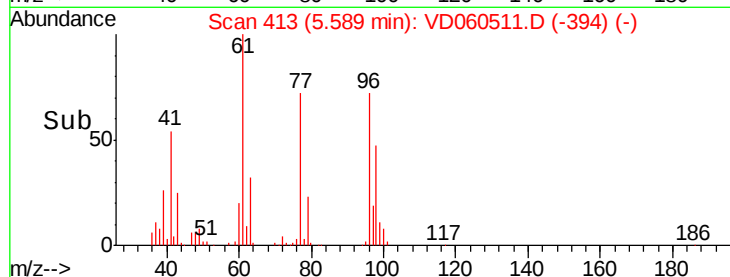
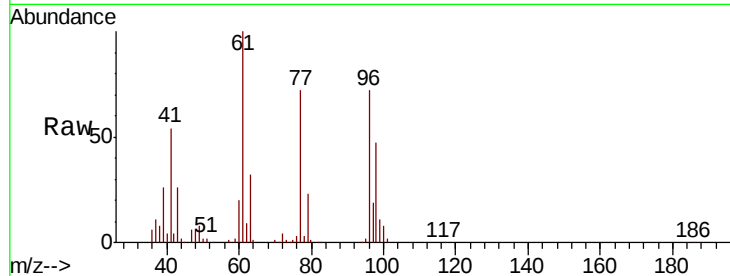
cis-1,2-Dichloroethene
Concen: 21.145 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.9	0.0	263.6	
98	65.6	0.0	128.2	

Manual Integrations
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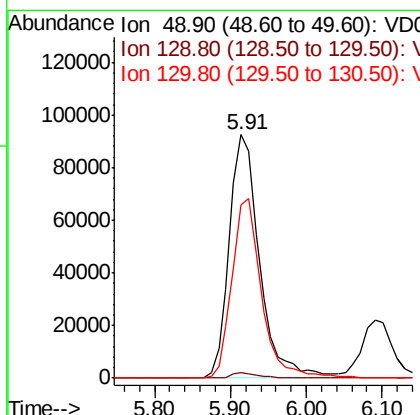
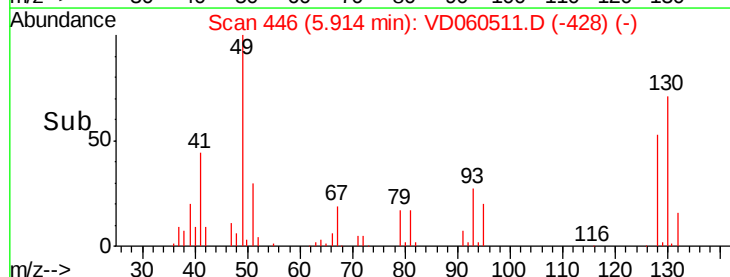
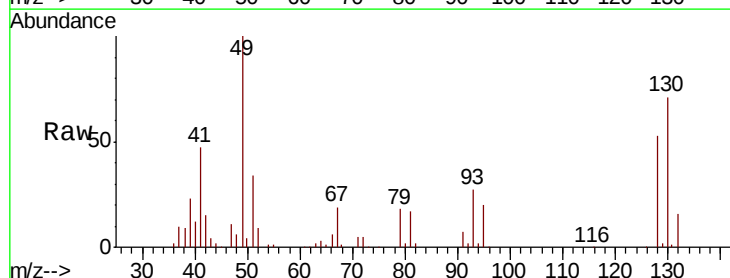
apatel
12/10/2018 4:46:32 PM



#28

Bromochloromethane
Concen: 19.609 ug/l
RT: 5.91 min Scan# 446
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	3.4	
130	70.9	59.8	89.6	





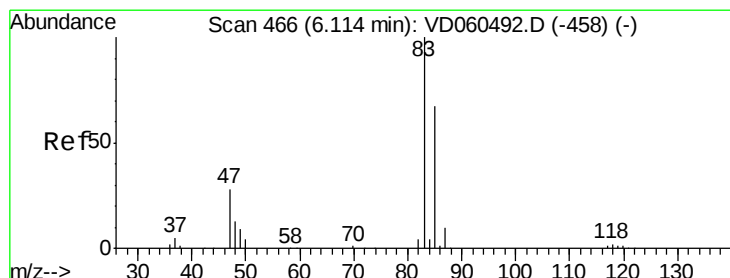
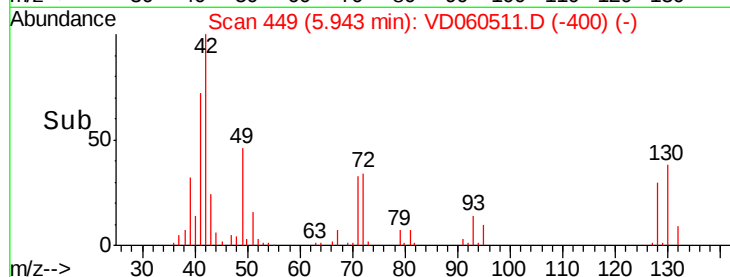
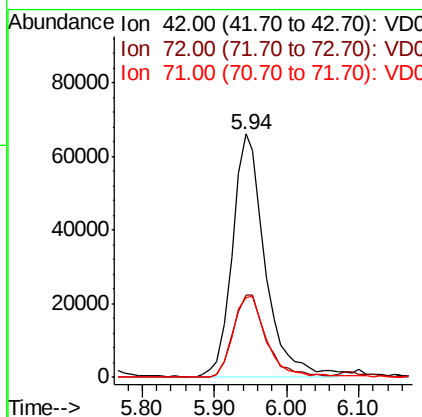
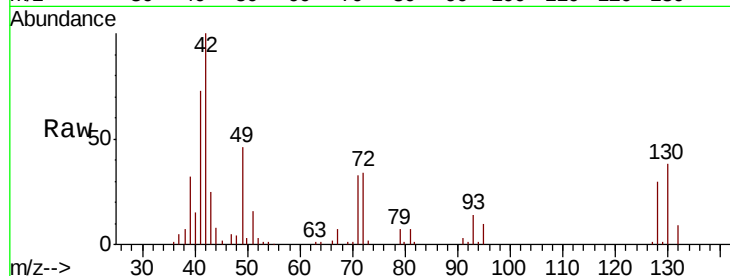
#29
Tetrahydrofuran
Concen: 98.968 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	28.0	42.0
71	33.8	27.2	40.8

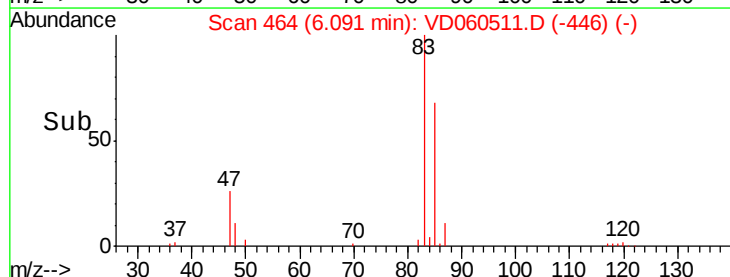
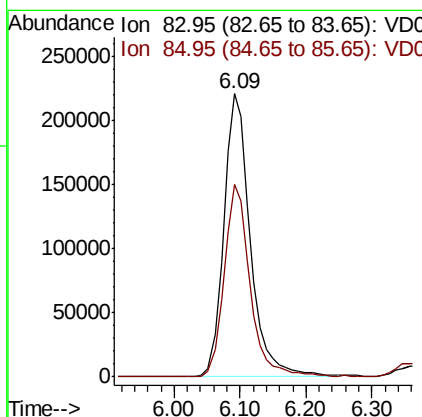
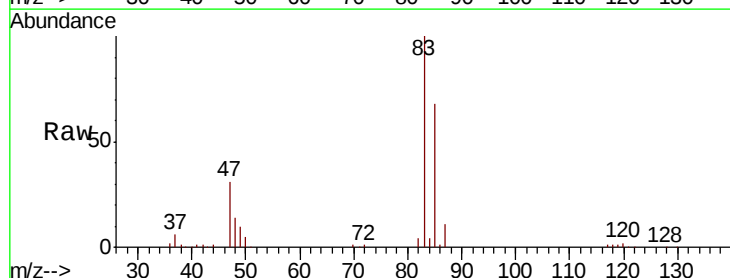
Manual Integrations
APPROVED

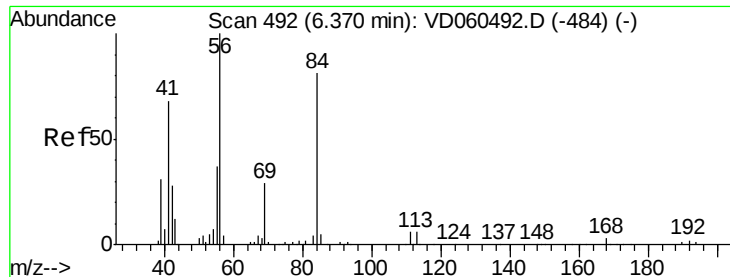
apatel
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#30
Chloroform
Concen: 20.881 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	53.4	80.2





#31

Cyclohexane

Concen: 21.833 ug/l

RT: 6.36 min Scan# 491

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

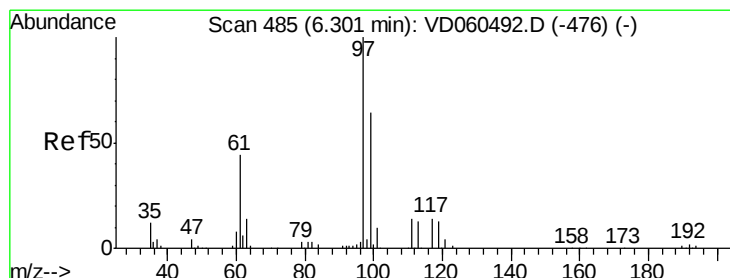
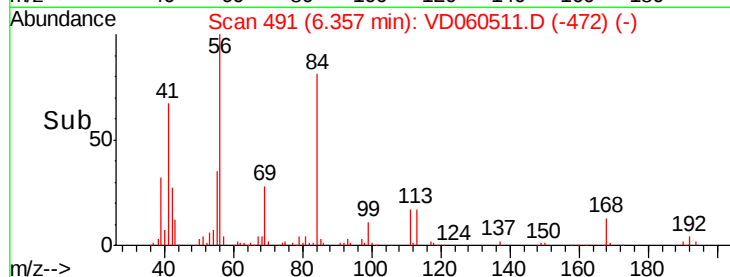
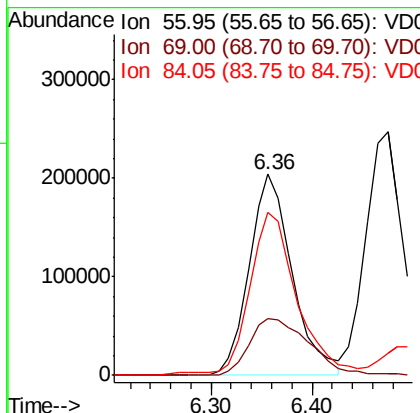
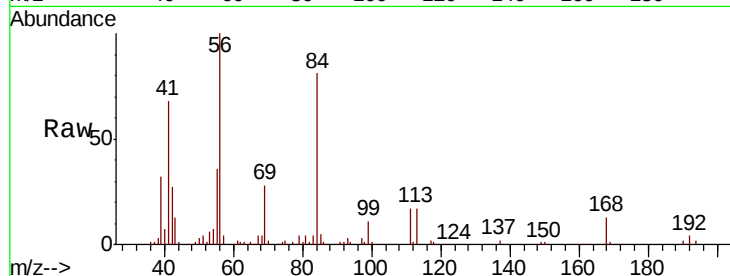
ClientSampleId :

VD1207SBS01

Tot Ion:	56	Resp:	605873
Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.8	34.2
84	80.7	65.1	97.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.672 ug/l

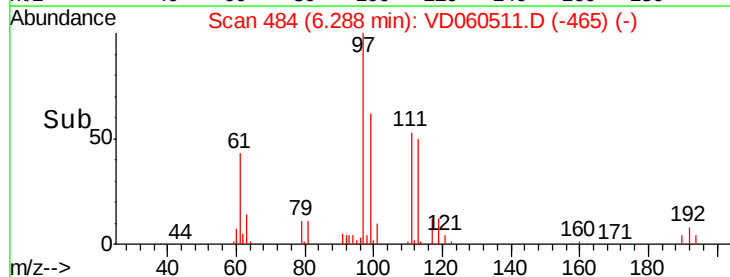
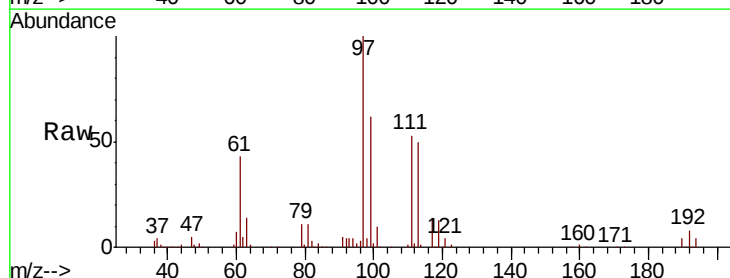
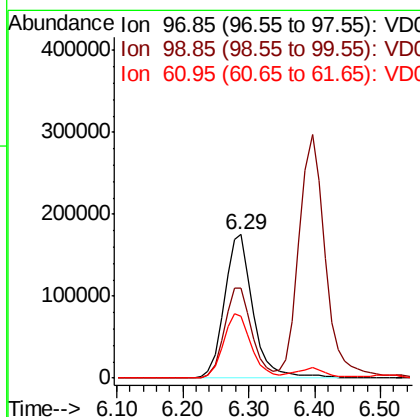
RT: 6.29 min Scan# 484

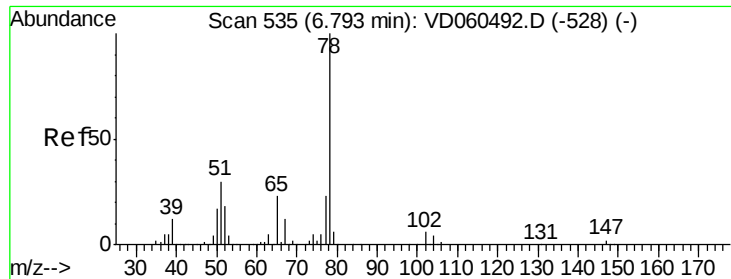
Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Tgt Ion:	97	Resp:	530073
Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.0	76.4
61	42.7	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 21.672 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 65 Resp: 596330

Ion Ratio Lower Upper

65 100

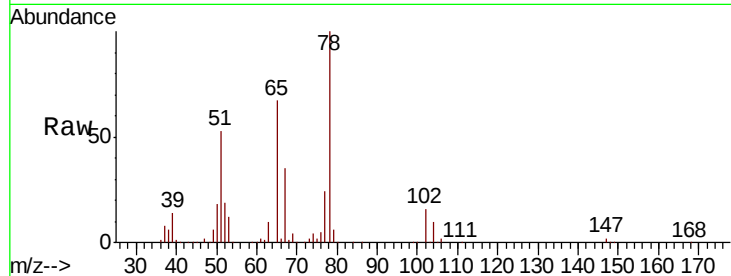
67 51.7 0.0 106.8

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

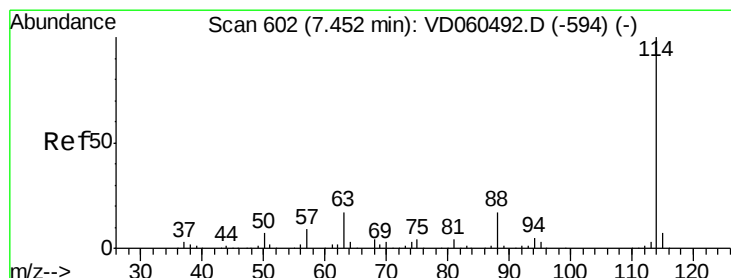
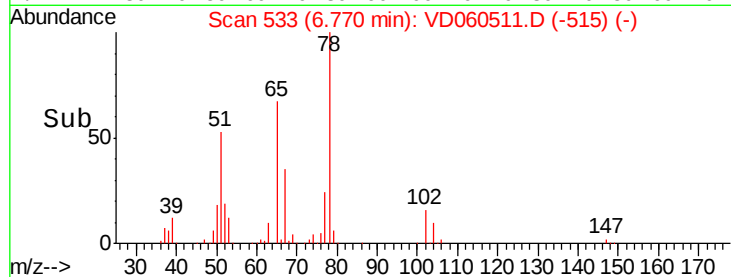
0

6.77

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

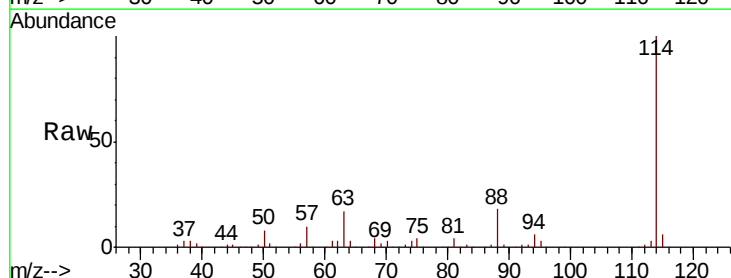
Tgt Ion:114 Resp: 2297542

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 18.1 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

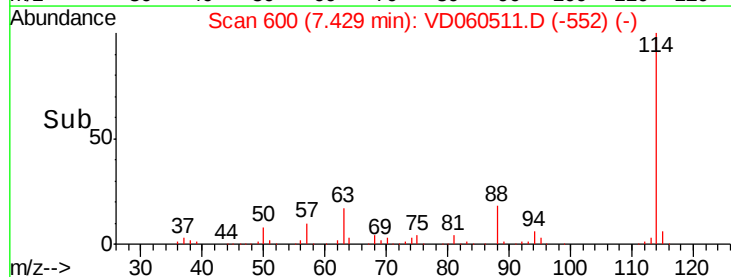
200000

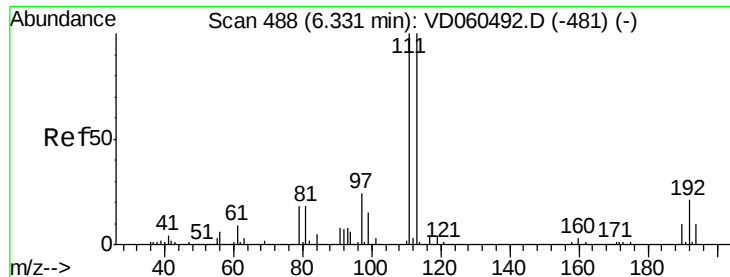
0

7.43

7.60

Time-->





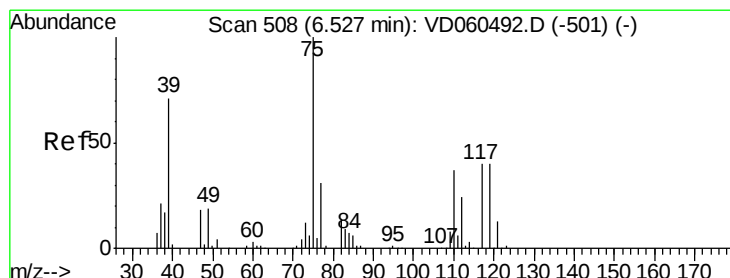
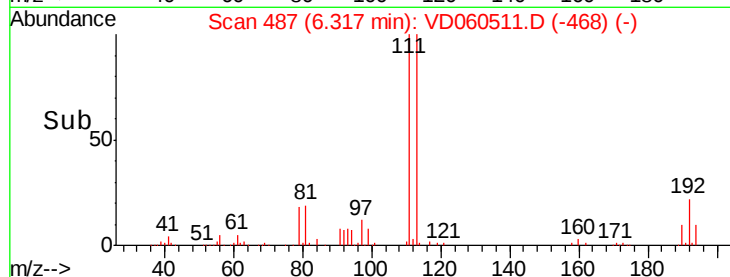
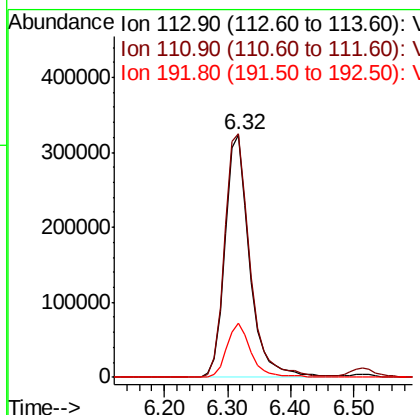
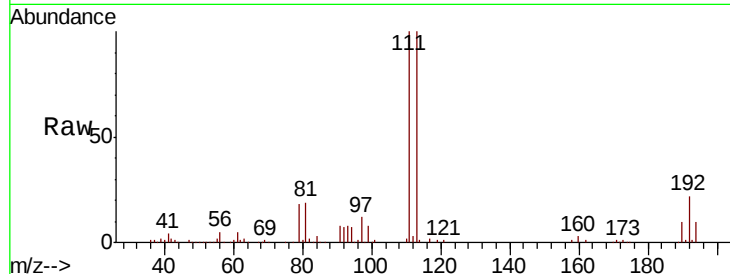
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.5	80.2	120.4	
192	22.4	16.6	24.8	

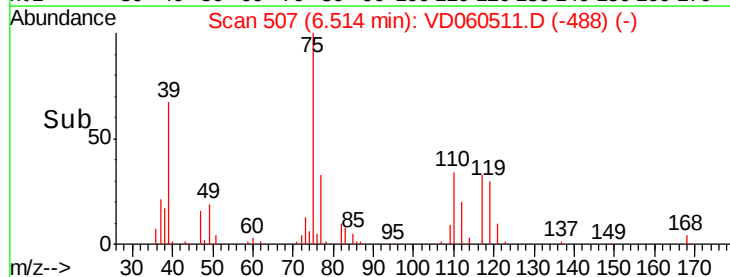
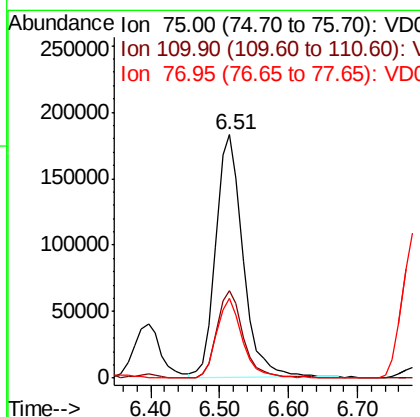
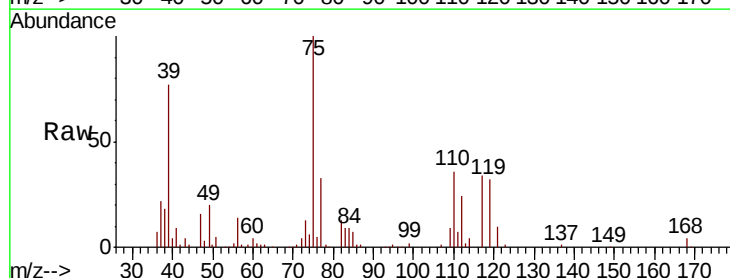
Manual Integrations
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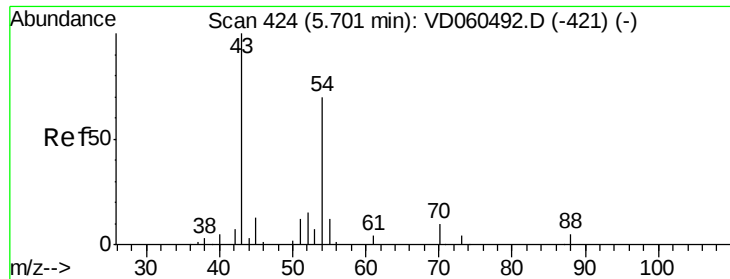
apatel
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#36
 1,1-Dichloropropene
 Concen: 22.148 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.3	54.8	
77	33.0	24.6	37.0	





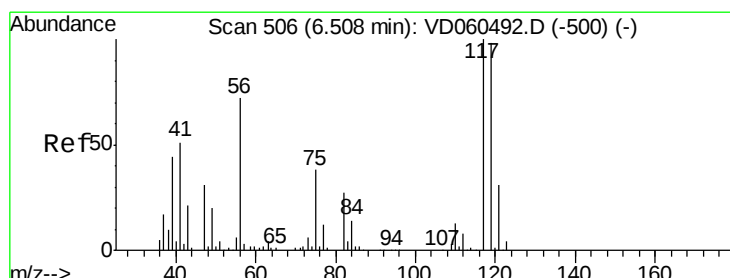
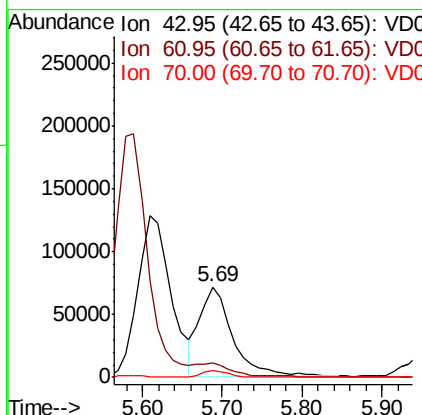
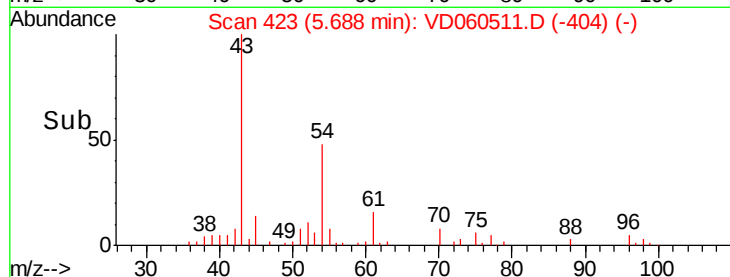
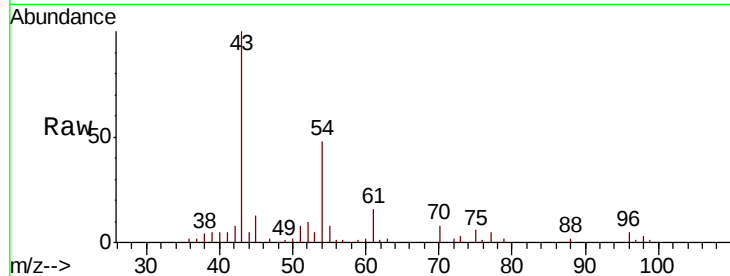
#37
Ethyl Acetate
Concen: 20.808 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.4	18.6
70	8.2	5.4	8.0

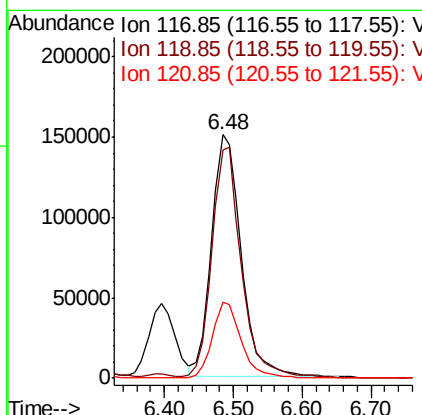
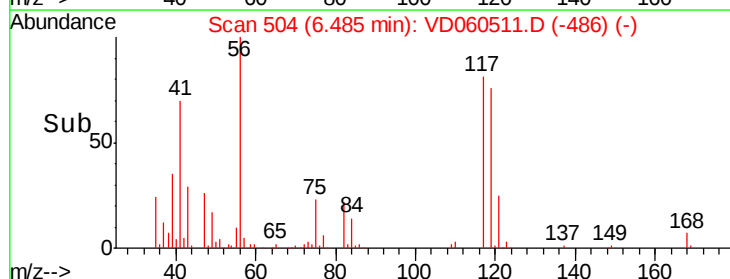
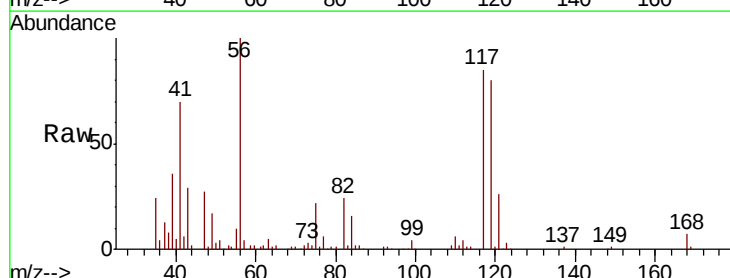
Manual Integrations
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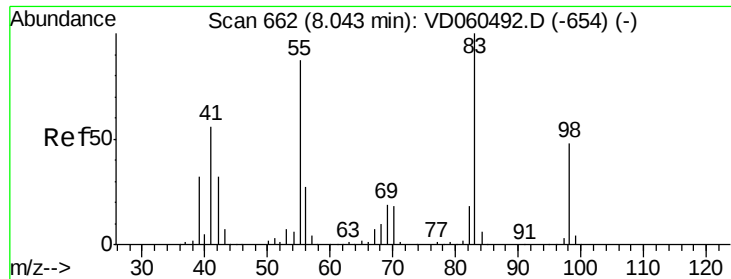
apatel
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#38
Carbon Tetrachloride
Concen: 22.392 ug/l
RT: 6.48 min Scan# 504
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.8	115.2
121	31.1	24.4	36.6





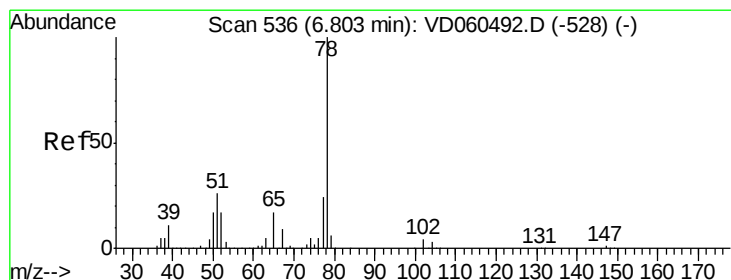
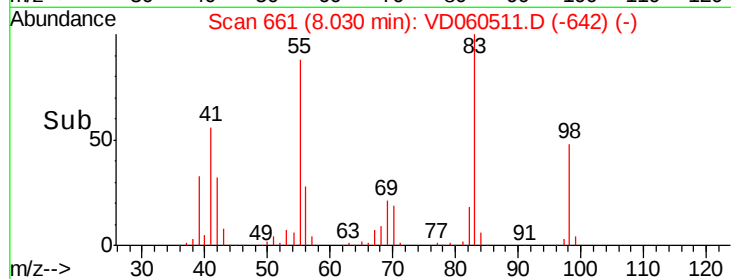
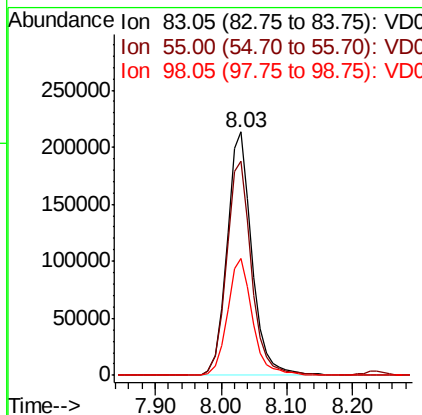
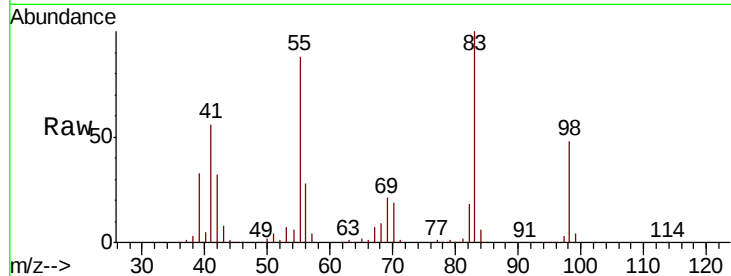
#39
Methvlcvclohexane
Concen: 21.998 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 83 Resp: 563190
Ion Ratio Lower Upper
83 100
55 88.2 69.8 104.8
98 47.8 38.4 57.6

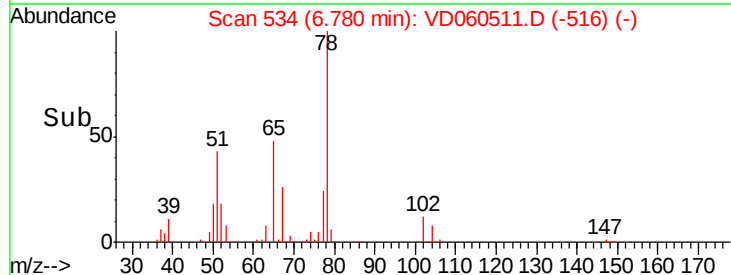
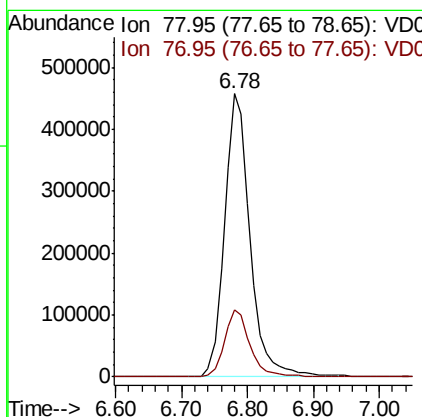
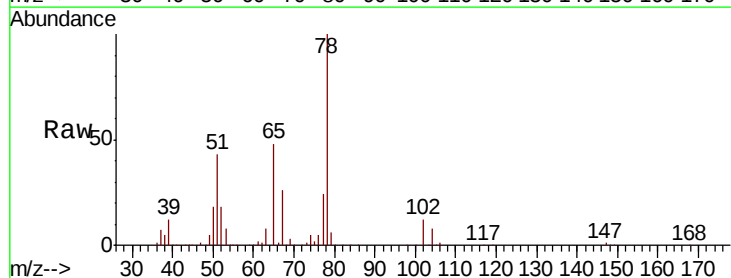
Manual Integrations
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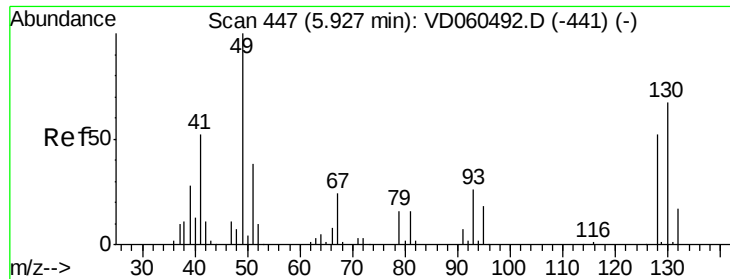
apatel
12/10/2018 4:46:32 PM



#40
Benzene
Concen: 21.574 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 78 Resp: 1238286
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3





#41

Methacrylonitrile

Concen: 20.569 ug/l m

RT: 5.92 min Scan# 447

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 41 Resp: 107993

Ion Ratio Lower Upper

41 100

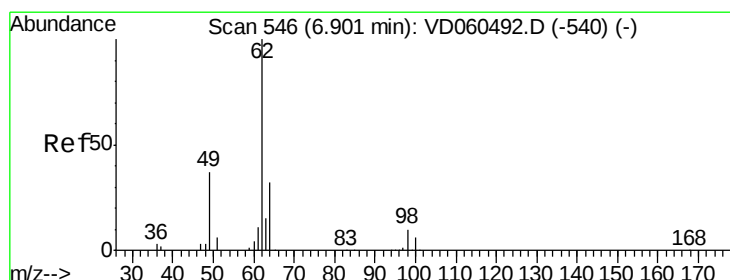
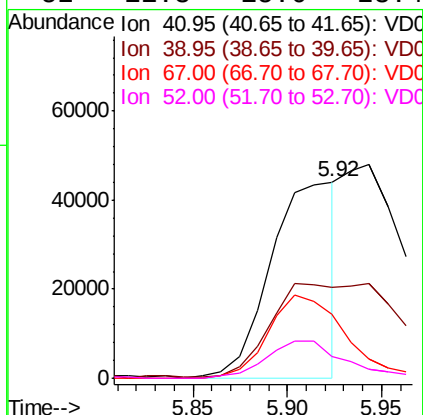
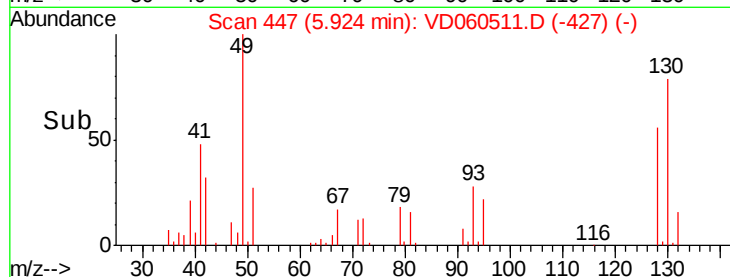
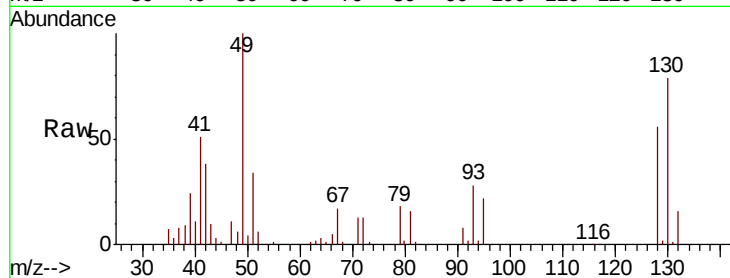
39 46.6 42.6 63.8

67 32.4 36.2 54.4#

52 11.3 15.6 23.4#

Manual Integrations
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apatel
12/10/2018 4:46:32 PM



#42

1,2-Dichloroethane

Concen: 21.374 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD060511.D

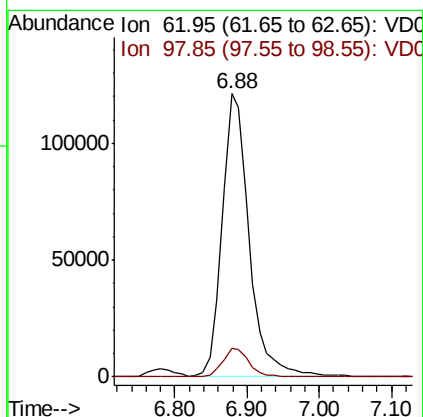
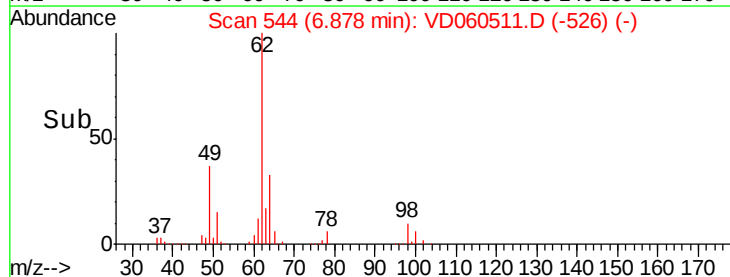
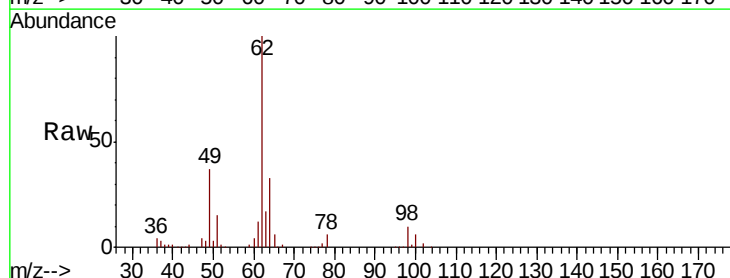
Acq: 7 Dec 2018 11:57

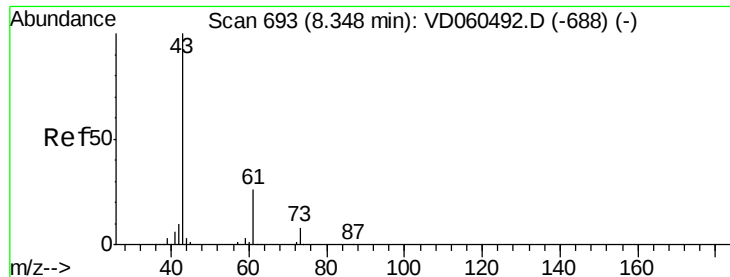
Tgt Ion: 62 Resp: 311910

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.343 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

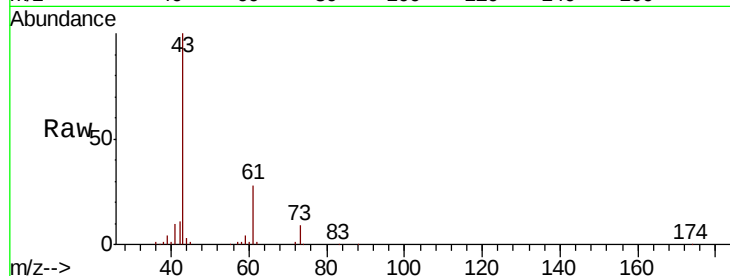
ClientSampleId :

VD1207SBS01

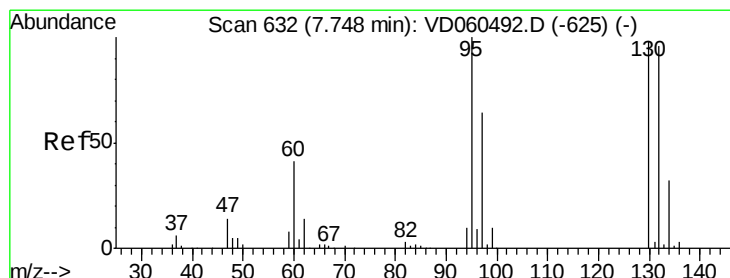
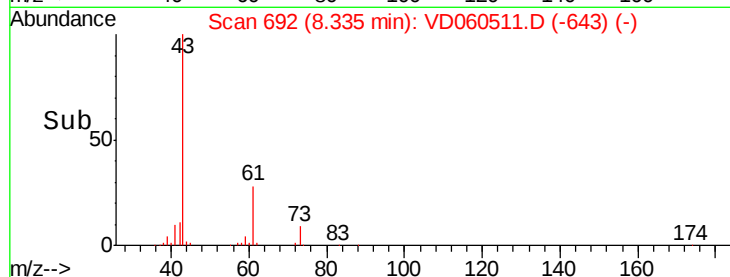
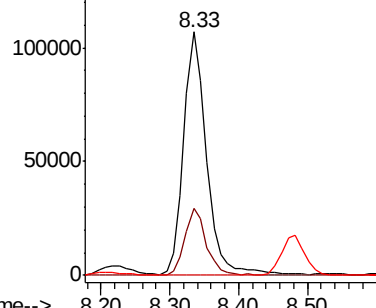
Tot Ion:	43	Resp:	244588
Ion	Ratio	Lower	Upper
43	100		
61	27.6	21.0	31.4
87	0.0	0.2	0.2#

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.508 ug/l

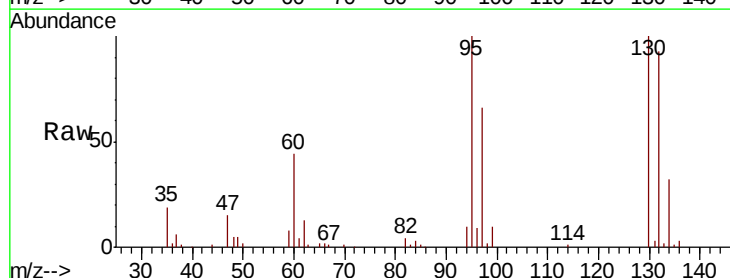
RT: 7.72 min Scan# 630

Delta R.T. -0.02 min

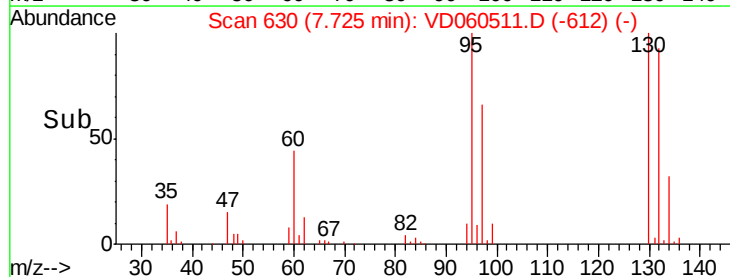
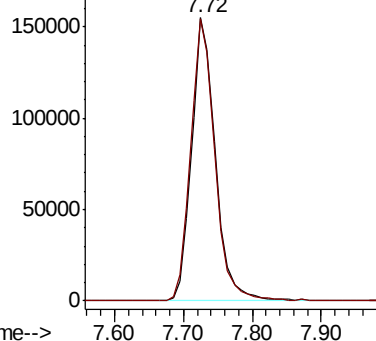
Lab File: VD060511.D

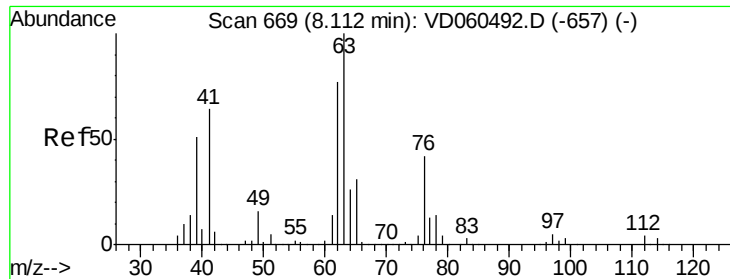
Acq: 7 Dec 2018 11:57

Tgt Ion:	130	Resp:	368923
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





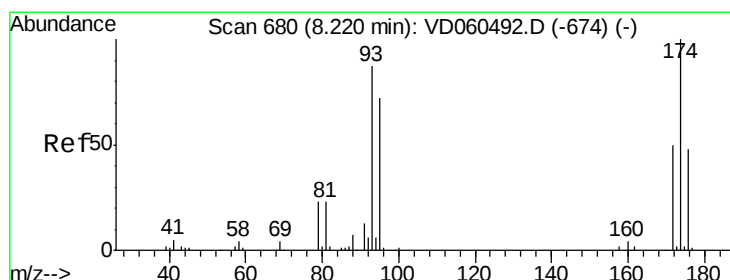
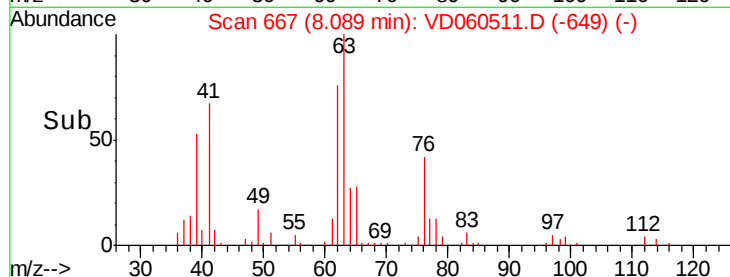
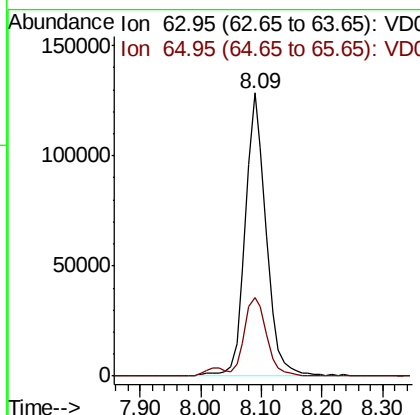
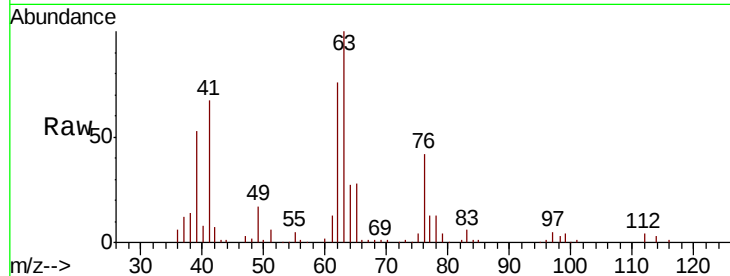
#45
 1,2-Dichloropropane
 Concen: 21.756 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion: 63 Resp: 308834
 Ion Ratio Lower Upper
 63 100
 65 27.6 24.6 37.0

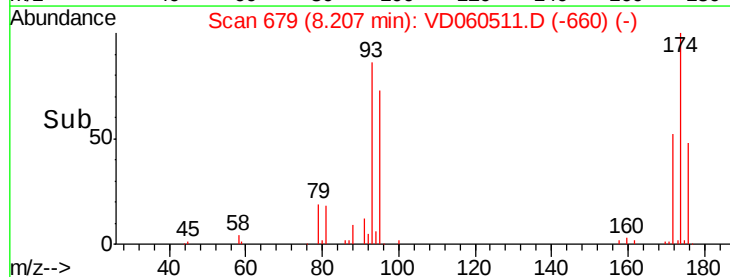
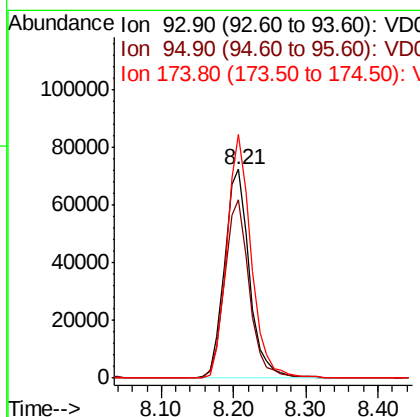
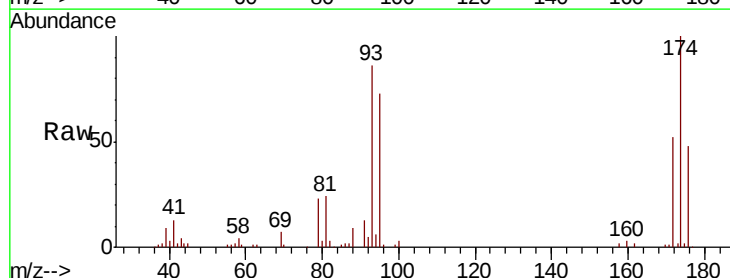
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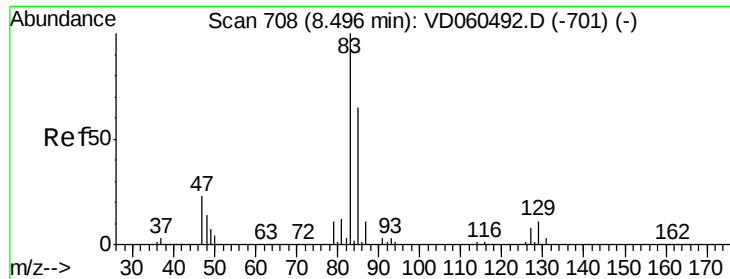
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#46
 Dibromomethane
 Concen: 21.137 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 93 Resp: 173360
 Ion Ratio Lower Upper
 93 100
 95 85.8 65.6 98.4
 174 116.8 91.7 137.5





#47

Bromodichloromethane

Concen: 21.346 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

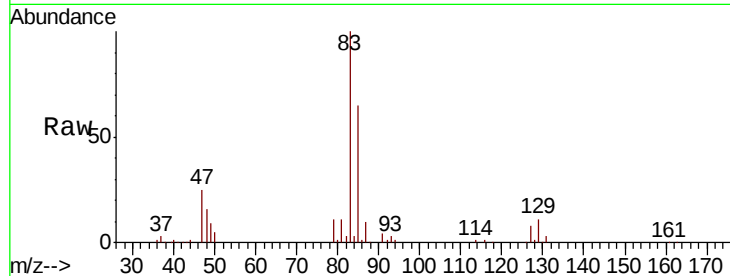
ClientSampleId :

VD1207SBS01

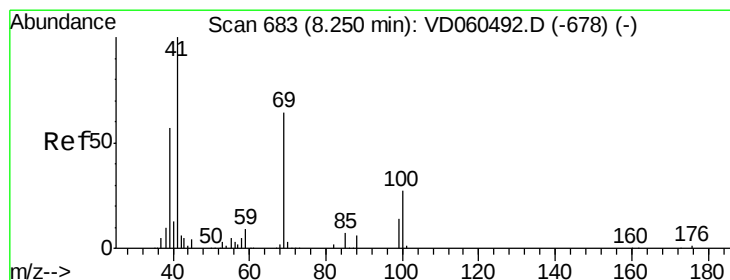
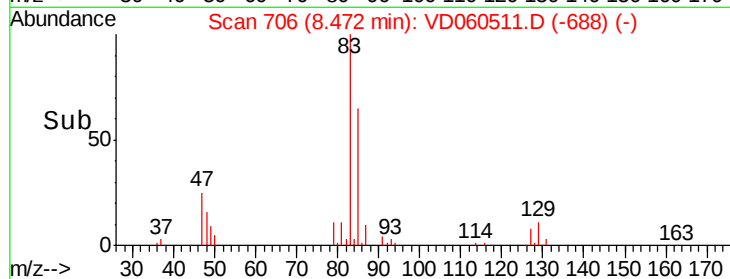
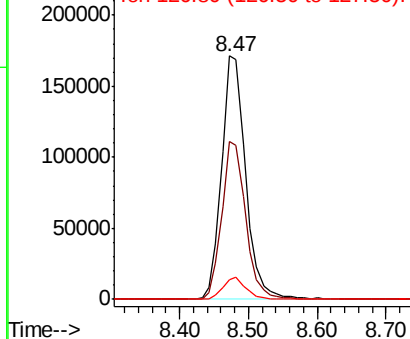
Tot Ion:	83	Resp:	415400
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.2	78.4
127	8.2	6.7	10.1

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.928 ug/l

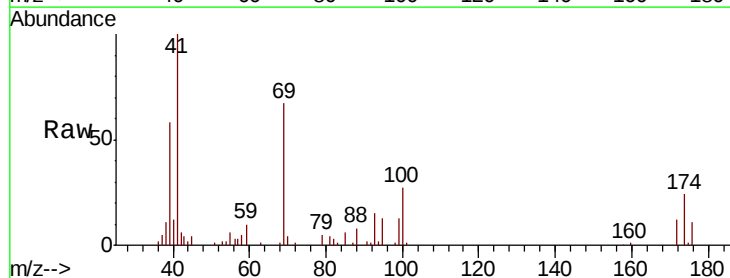
RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

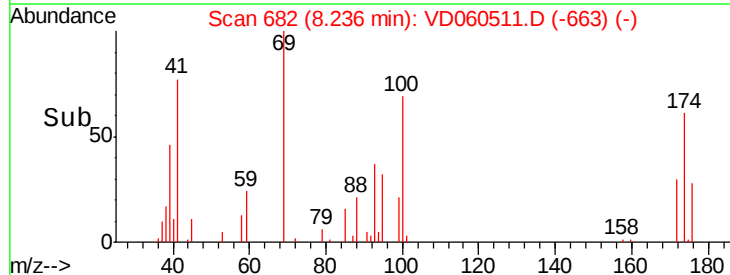
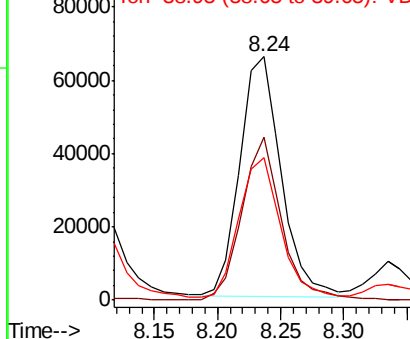
Lab File: VD060511.D

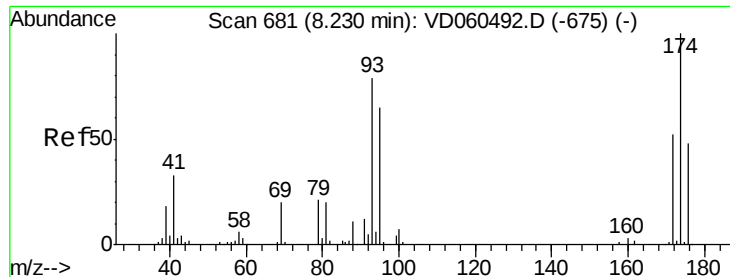
Acq: 7 Dec 2018 11:57

Tgt Ion:	41	Resp:	148882
Ion Ratio	Lower	Upper	
41	100		
69	67.0	50.2	75.4
39	58.4	46.1	69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





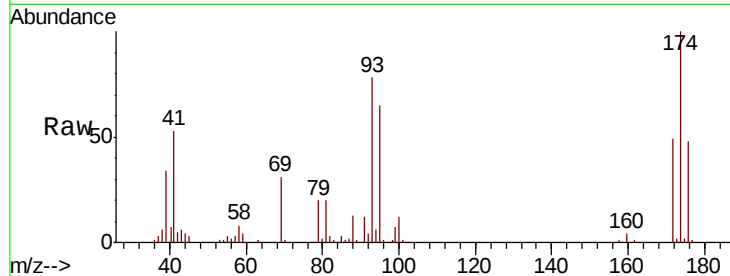
#49
1,4-Dioxane
Concen: 446.122 ug/l
RT: 8.22 min Scan# 680
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

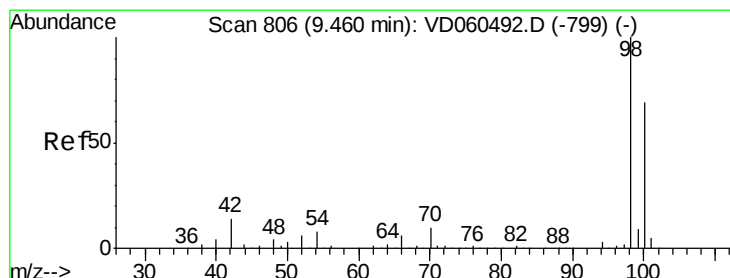
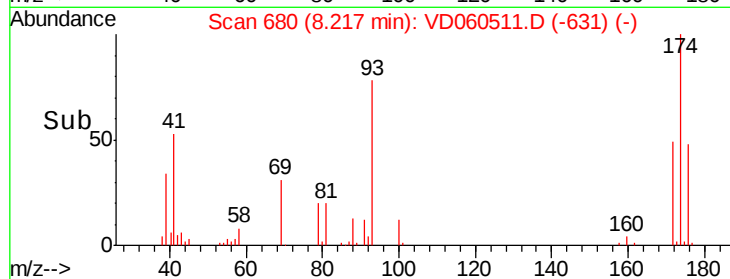
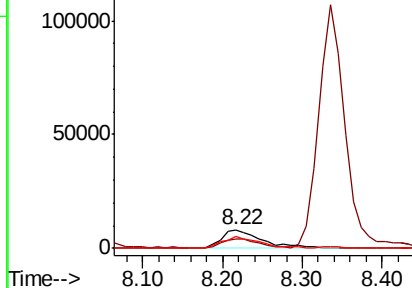
Tot Ion	Ratio	Lower	Upper
88	100		
43	48.4	32.9	49.3
58	59.8	47.7	71.5

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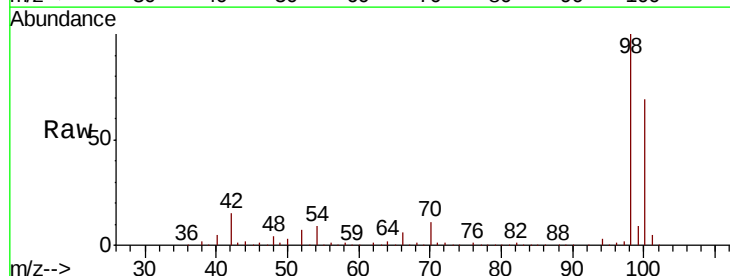


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

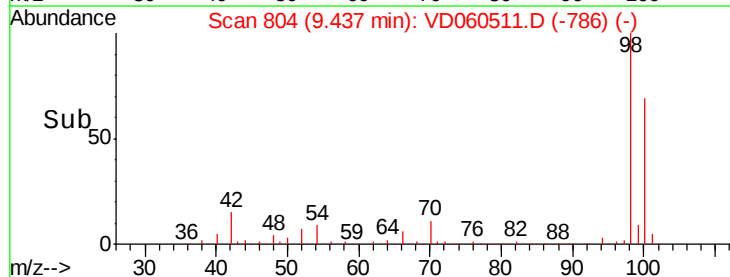
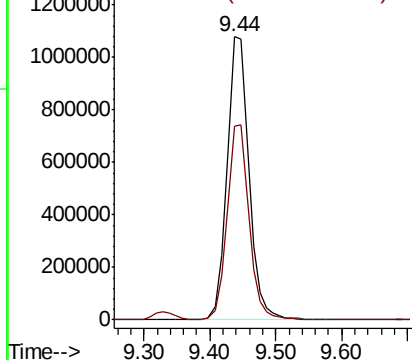


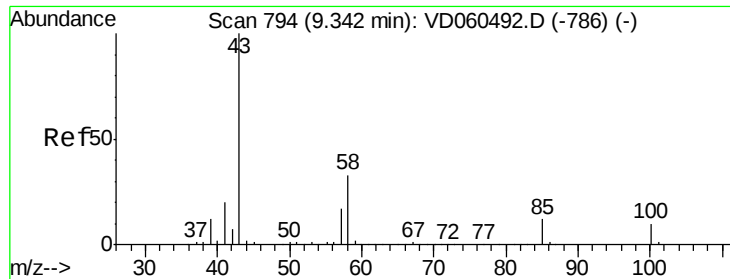
#50
Toluene-d8
Concen: 446.122 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.5	55.7	83.5



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





#51

4-Methyl-2-Pentanone

Concen: 101.084 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 43 Resp: 755985

Ion Ratio Lower Upper

43 100

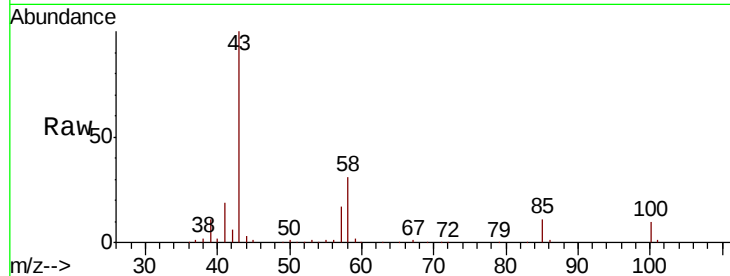
58 31.1 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

300000

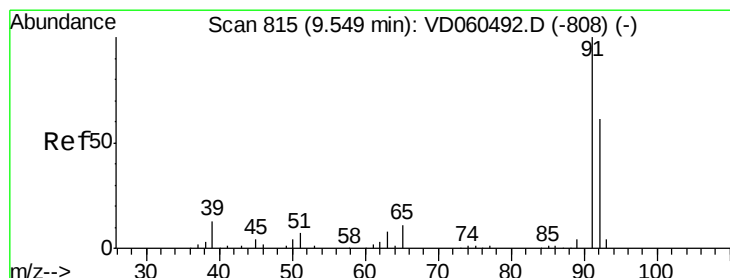
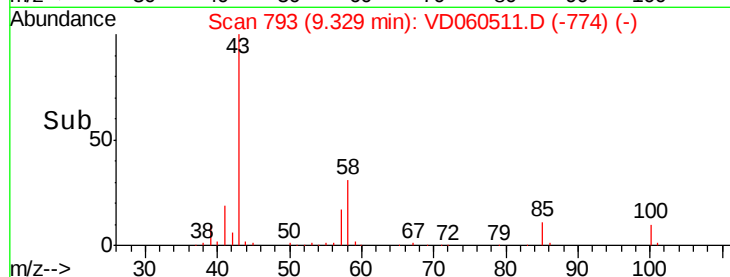
200000

100000

0

Time-->

9.20 9.30 9.40



#52

Toluene

Concen: 21.647 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD060511.D

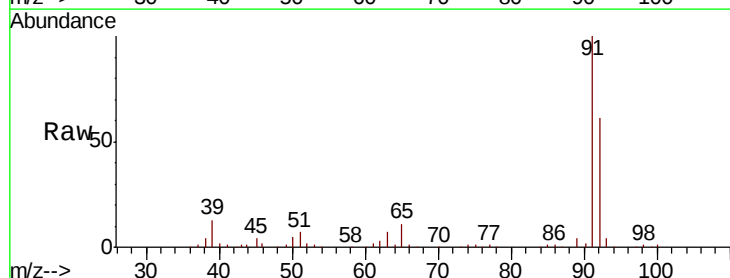
Acq: 7 Dec 2018 11:57

Tgt Ion: 92 Resp: 776563

Ion Ratio Lower Upper

92 100

91 164.5 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

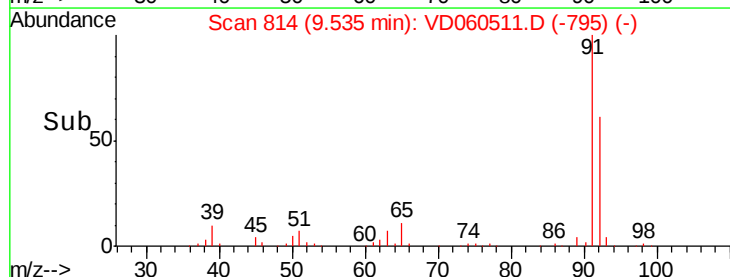
400000

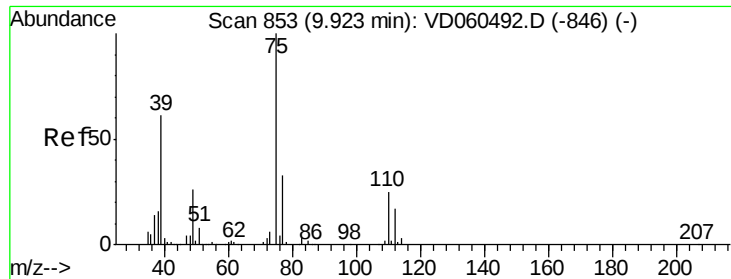
200000

0

Time-->

9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 21.536 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 75 Resp: 344368

Ion Ratio Lower Upper

75 100

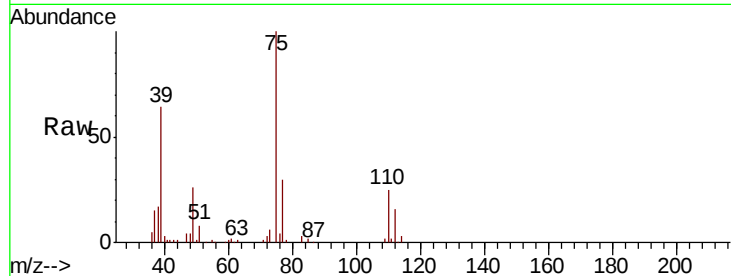
77 30.3 26.2 39.2

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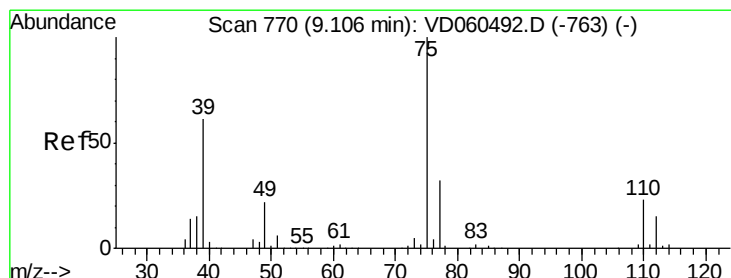
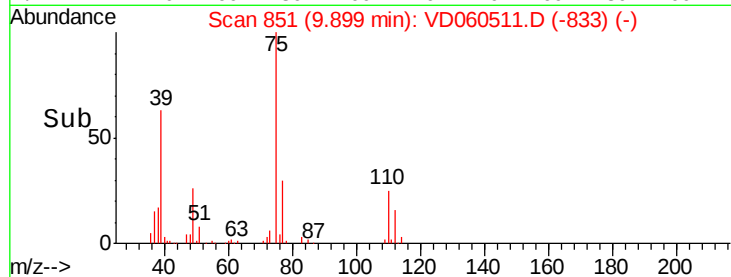
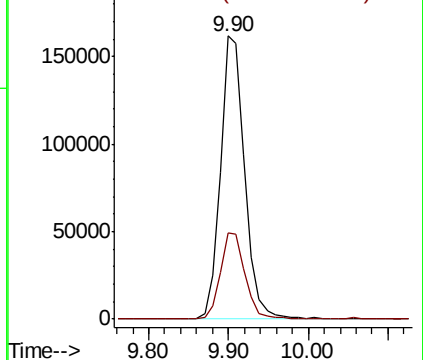
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.501 ug/l

RT: 9.09 min Scan# 769

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

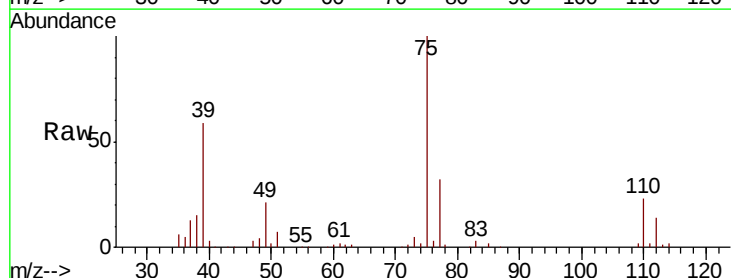
Tgt Ion: 75 Resp: 451724

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

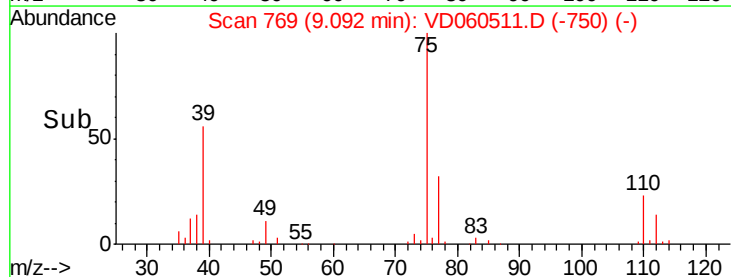
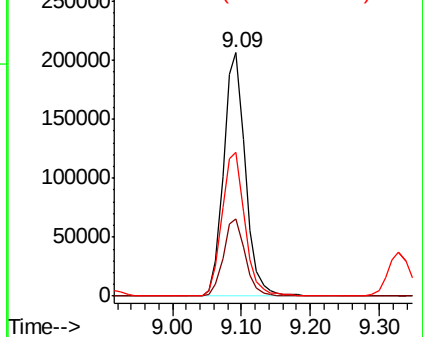
39 58.9 48.6 73.0

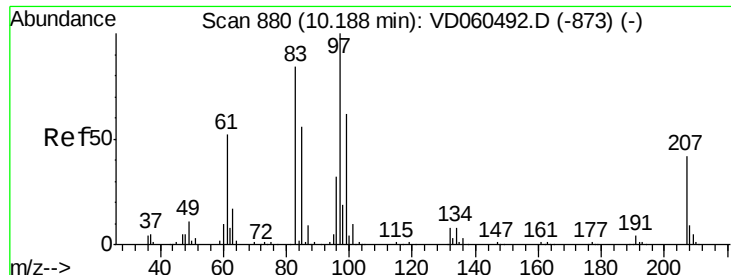


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





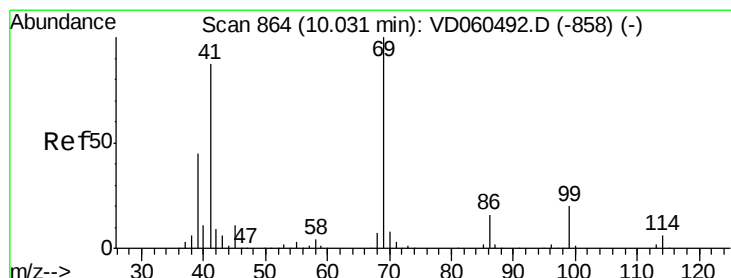
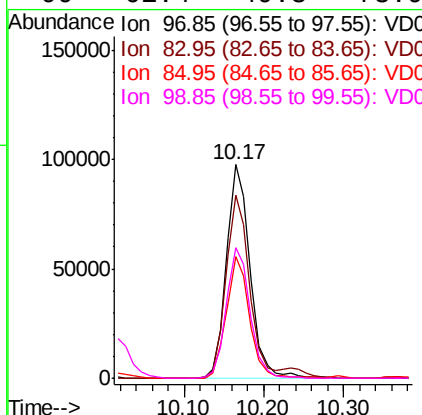
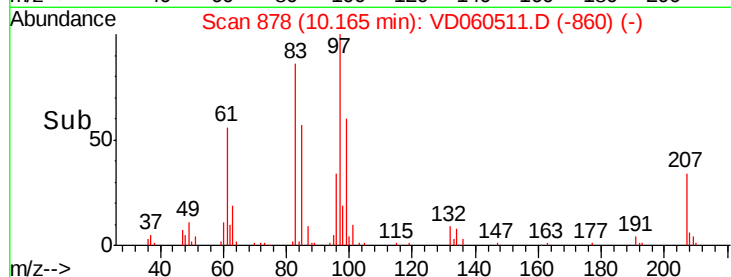
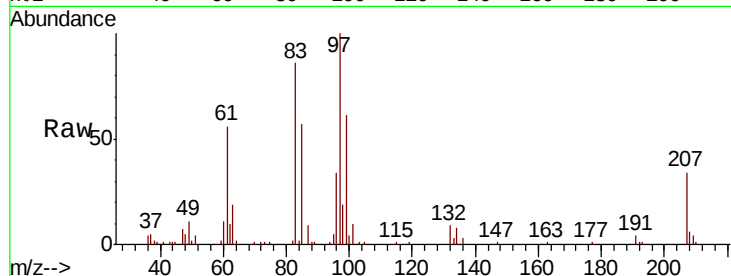
#55
 1,1,2-Trichloroethane
 Concen: 20.425 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	204048		
83	85.5	67.2	100.8	
85	57.0	44.5	66.7	
99	61.4	49.3	73.9	

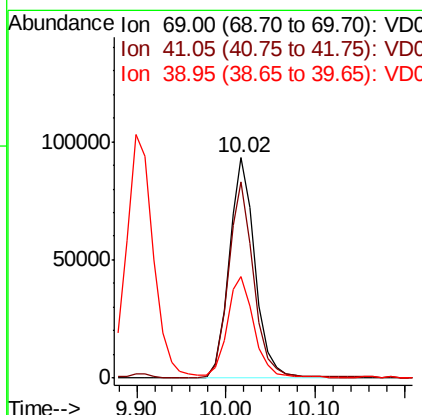
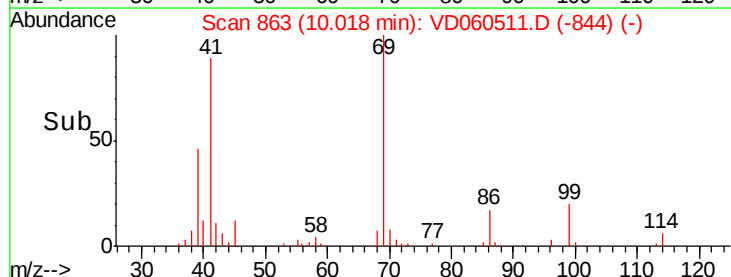
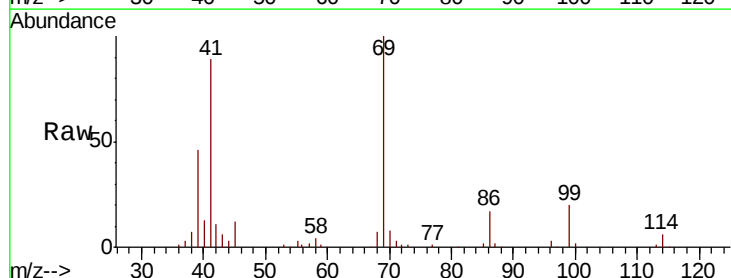
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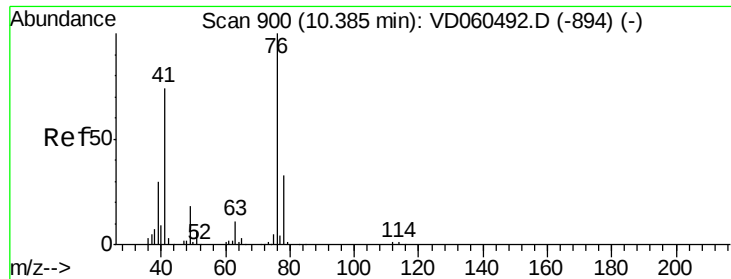
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#56
 Ethyl methacrylate
 Concen: 20.875 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	188734		
41	89.2	69.8	104.8	
39	46.4	37.5	56.3	





#57

1,3-Dichloropropane

Concen: 20.195 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Tot Ion: 76 Resp: 311883

Ion Ratio Lower Upper

76 100

78 32.8 26.1 39.1

Instrument :

MSVOA_D

ClientSampleId :

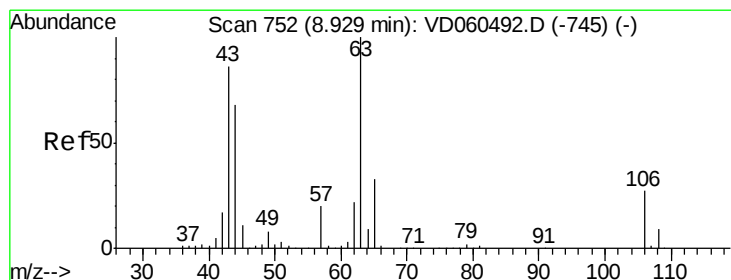
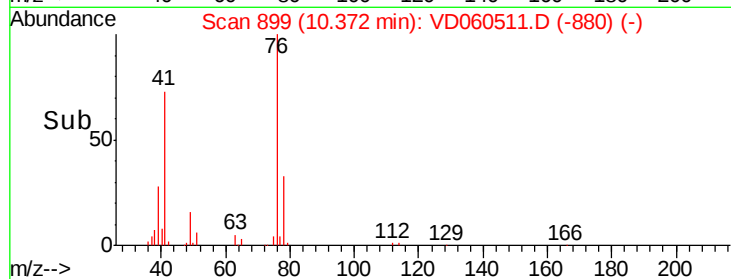
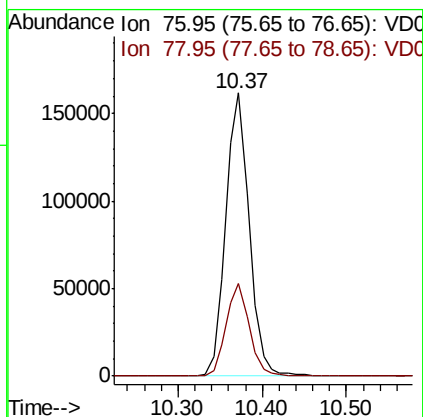
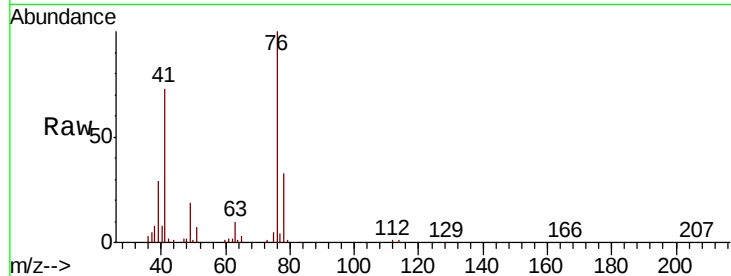
VD1207SBS01

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#58

2-Chloroethyl Vinyl ether

Concen: 105.624 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD060511.D

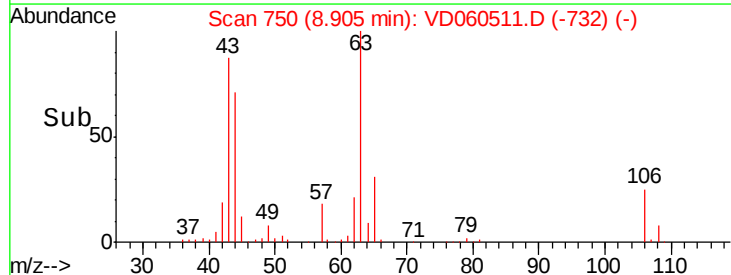
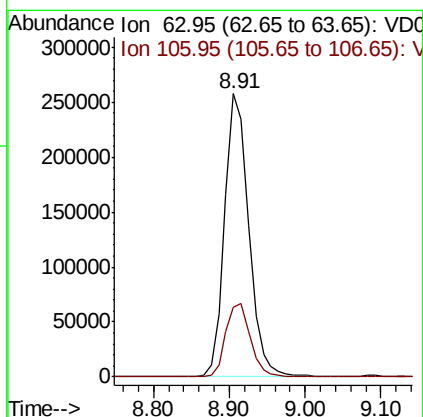
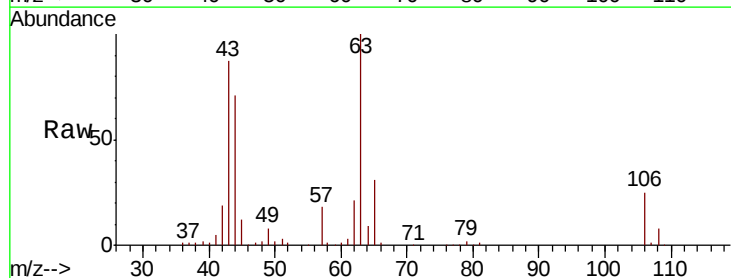
Acq: 7 Dec 2018 11:57

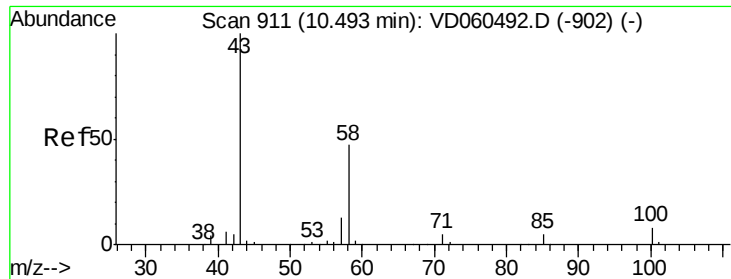
Tgt Ion: 63 Resp: 571408

Ion Ratio Lower Upper

63 100

106 24.7 21.6 32.4





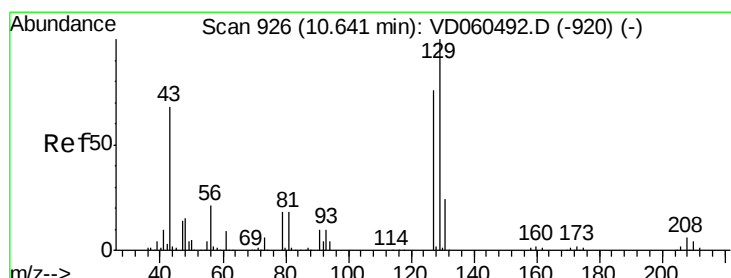
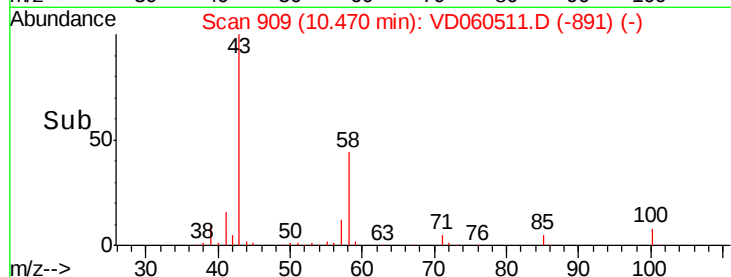
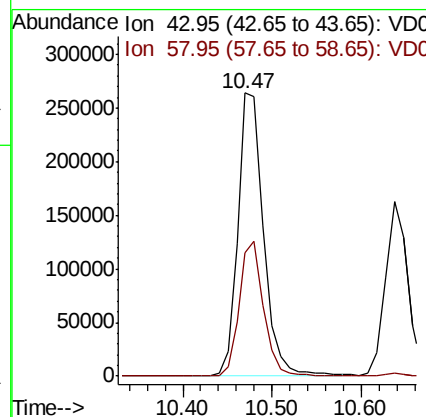
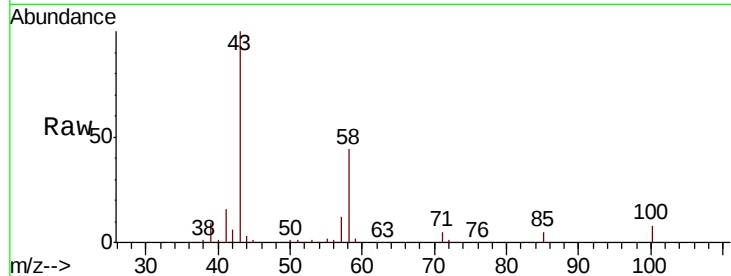
#59
2-Hexanone
Concen: 102.092 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 43 Resp: 533689
Ion Ratio Lower Upper
43 100
58 43.8 23.4 70.2

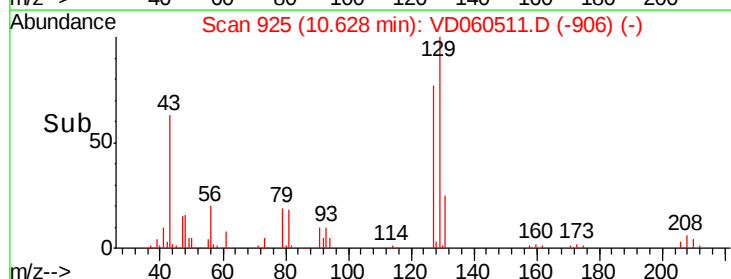
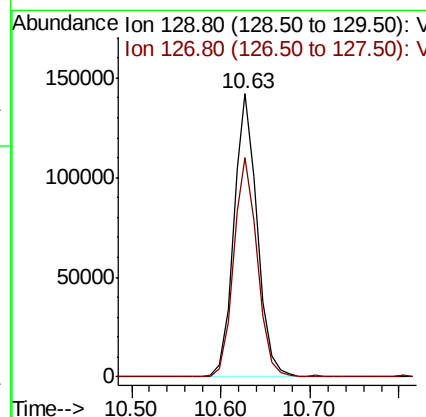
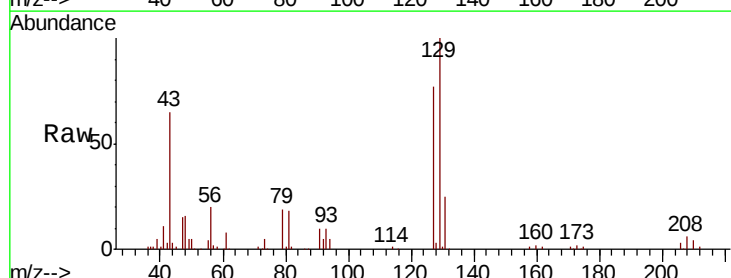
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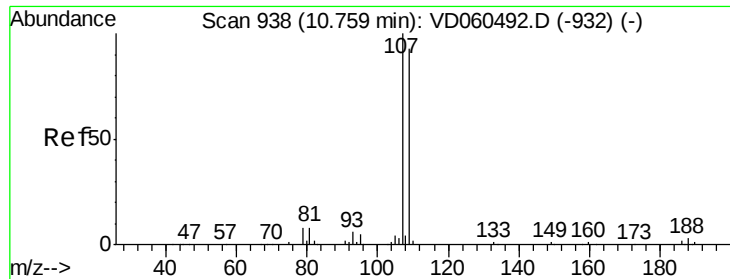
apatel
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#60
Dibromochloromethane
Concen: 20.885 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 129 Resp: 260863
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.444 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 107 Resp: 208136

Ion Ratio Lower Upper

107 100

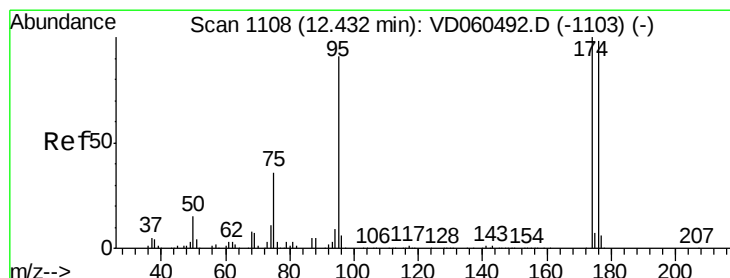
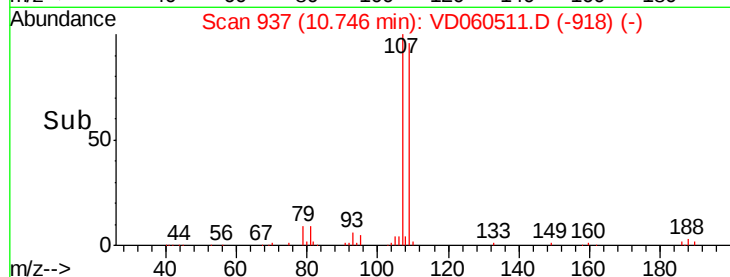
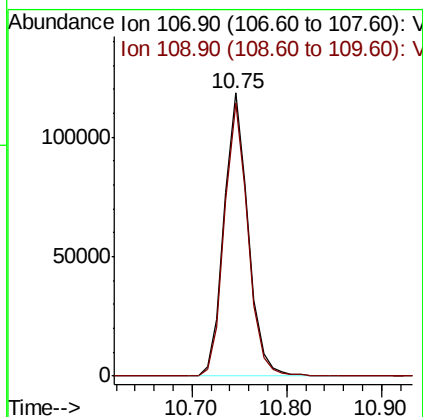
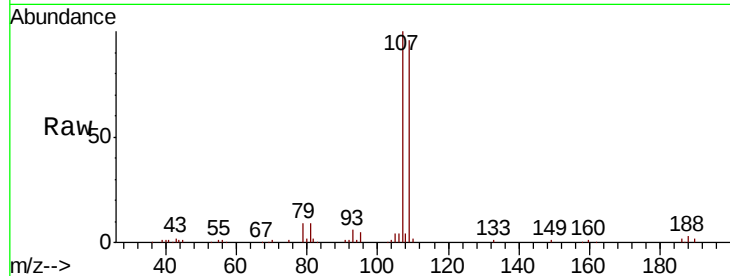
109 96.4 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 20.444 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

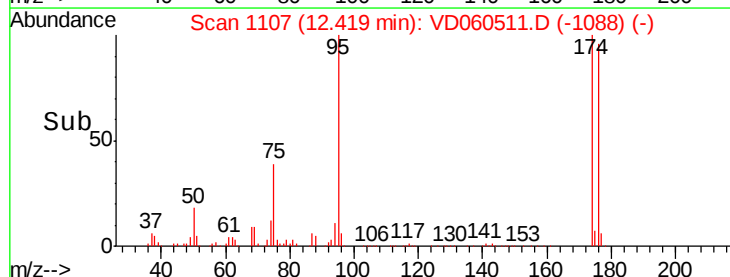
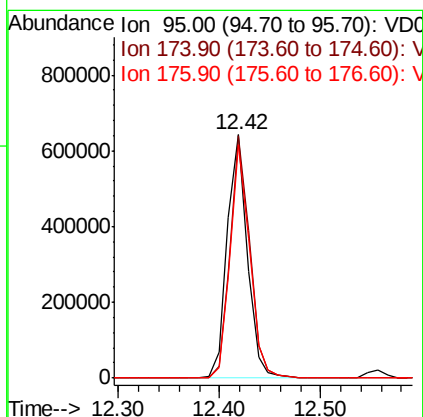
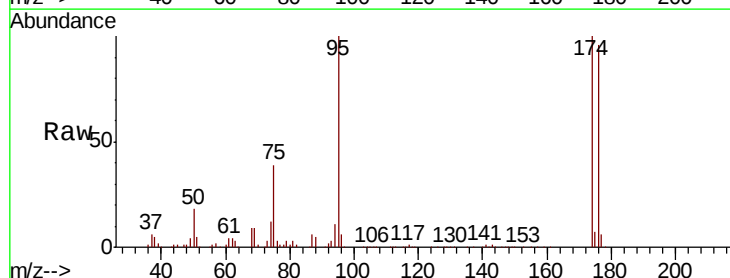
Tgt Ion: 95 Resp: 892208

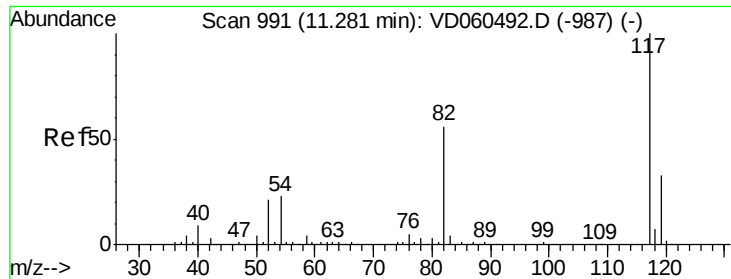
Ion Ratio Lower Upper

95 100

174 99.6 0.0 219.4

176 96.1 0.0 214.6





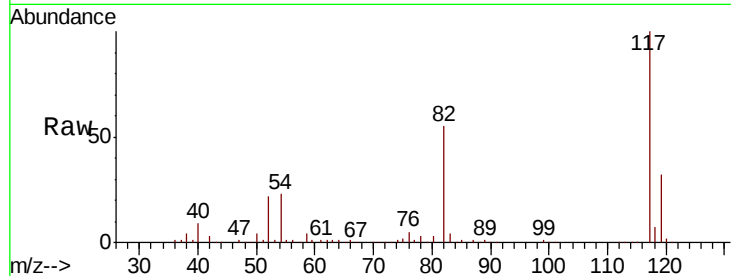
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

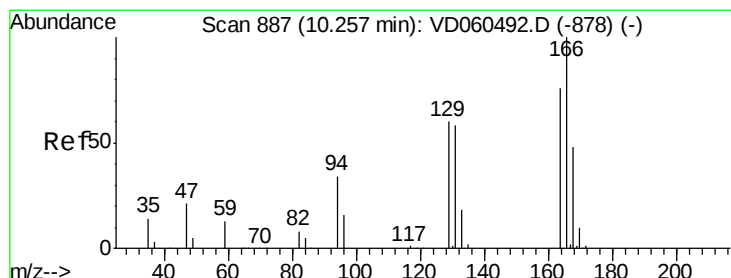
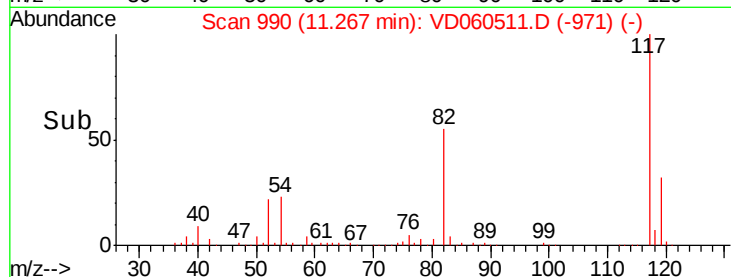
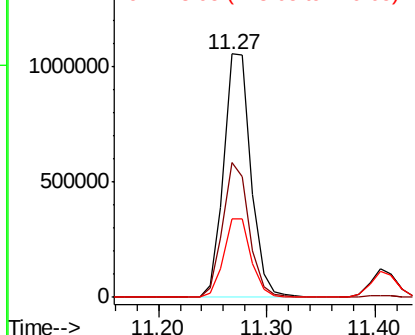
Tot Ion:117 Resp: 1860949
Ion Ratio Lower Upper
117 100
82 55.5 45.2 67.8
119 32.3 26.1 39.1

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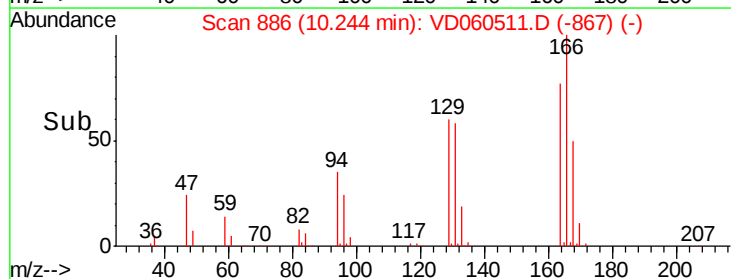
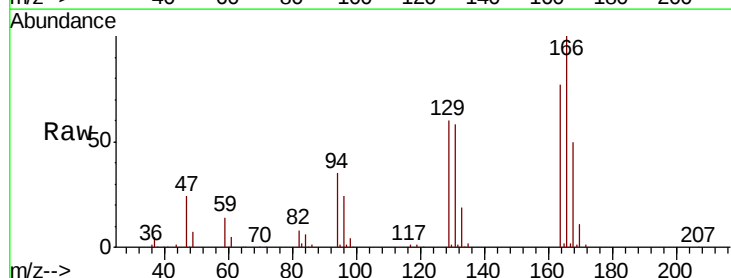
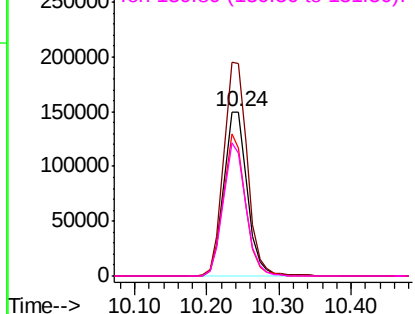
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 20.463 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion:164 Resp: 337193
Ion Ratio Lower Upper
164 100
166 129.6 105.0 157.6
129 78.1 63.0 94.4
131 74.6 60.6 90.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.297 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion:112 Resp: 838450

Ion Ratio Lower Upper

112 100

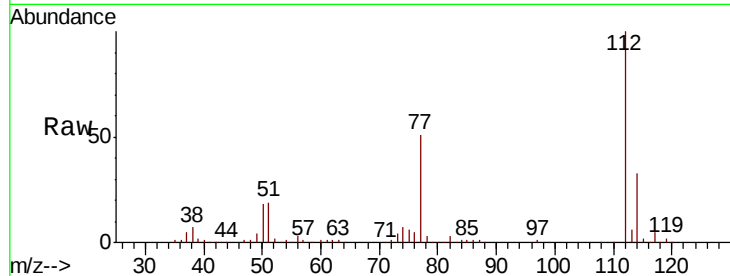
114 32.5 26.2 39.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

11.31

500000

400000

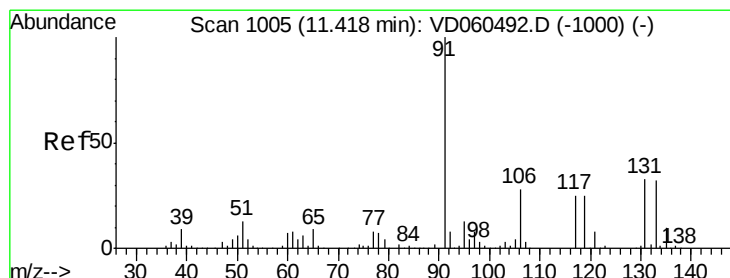
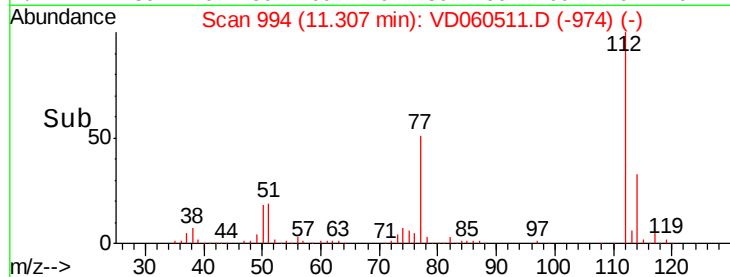
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.537 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

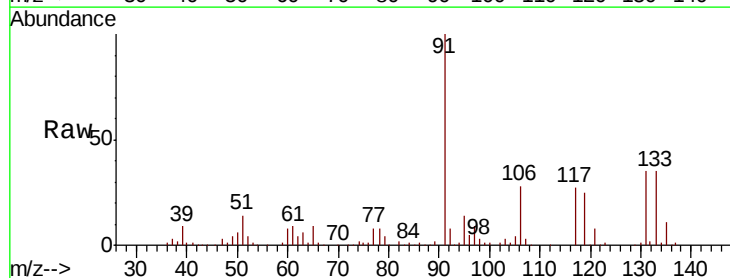
Tgt Ion:131 Resp: 273285

Ion Ratio Lower Upper

131 100

133 99.2 49.1 147.3

119 71.1 37.5 112.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

200000

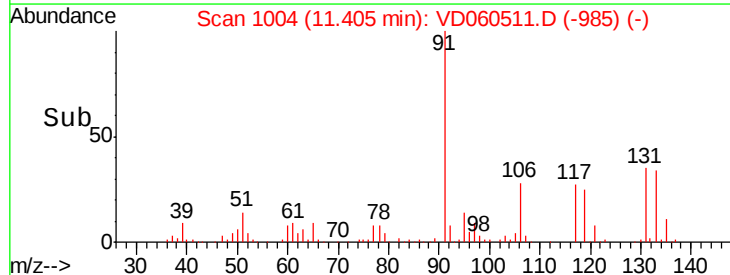
150000

100000

50000

0

Time-->





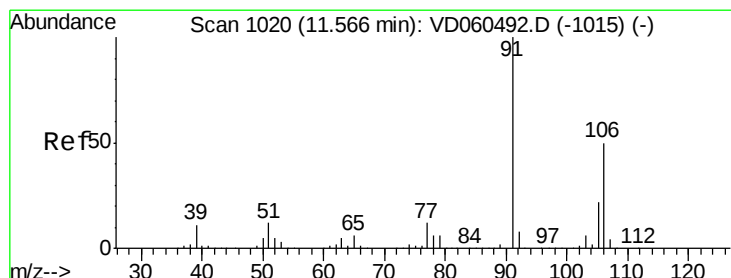
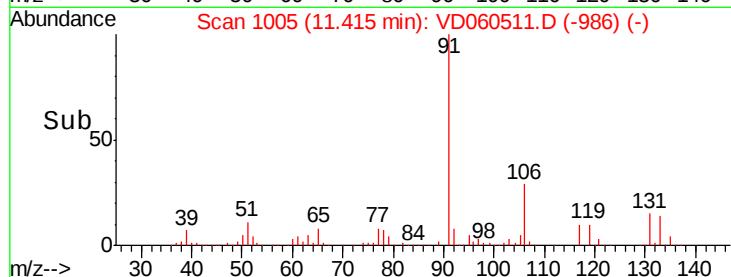
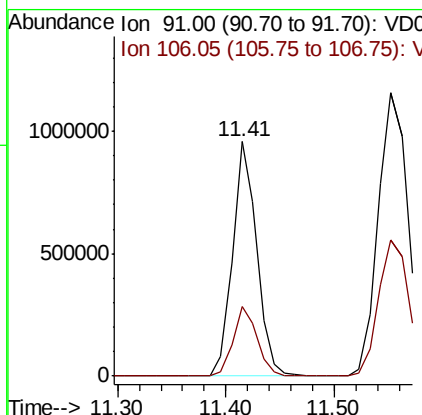
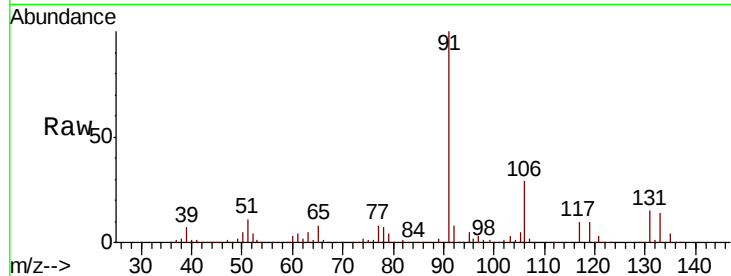
#67
Ethyl Benzene
Concen: 22.196 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleID :
VD1207SBS01

Tot Ion: 91 Resp: 1490502
Ion Ratio Lower Upper
91 100
106 29.4 24.6 37.0

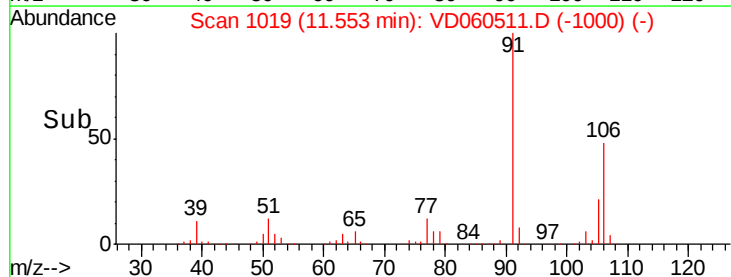
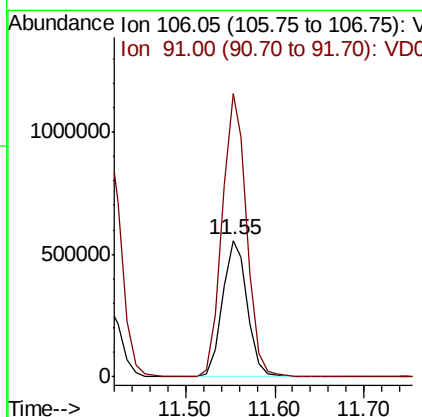
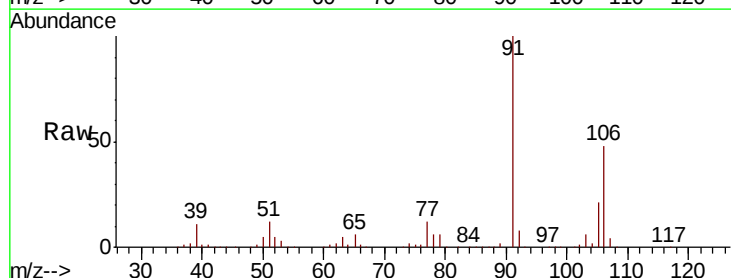
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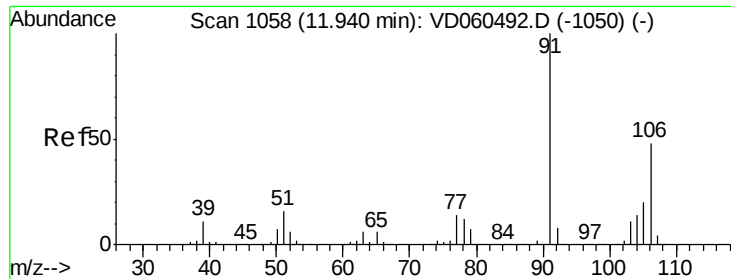
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#68
m/p-Xylenes
Concen: 43.587 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 106 Resp: 1082849
Ion Ratio Lower Upper
106 100
91 207.0 160.5 240.7





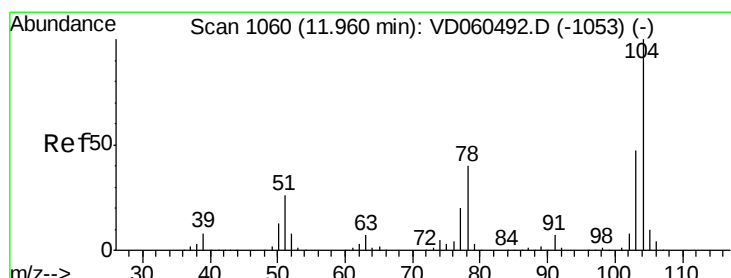
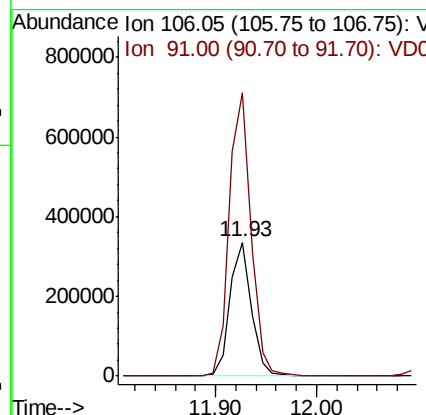
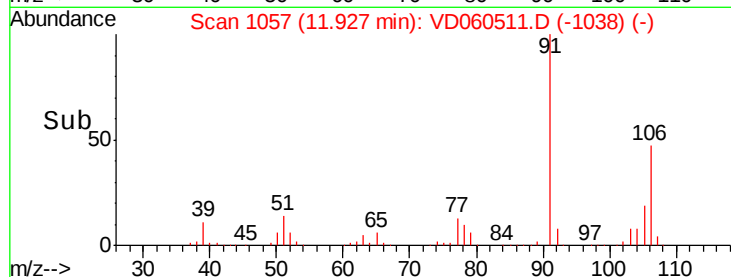
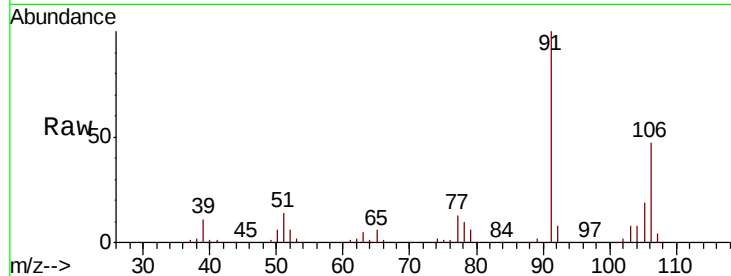
#69
o-Xylene
Concen: 20.945 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion:106 Resp: 495901
Ion Ratio Lower Upper
106 100
91 210.8 103.4 310.1

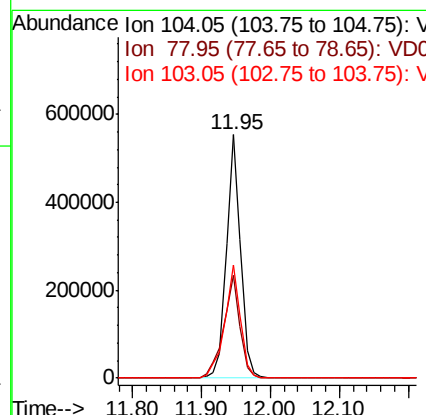
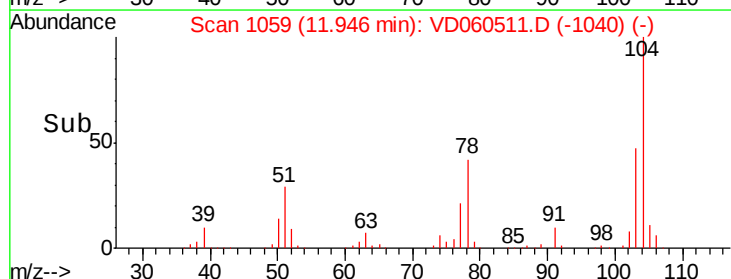
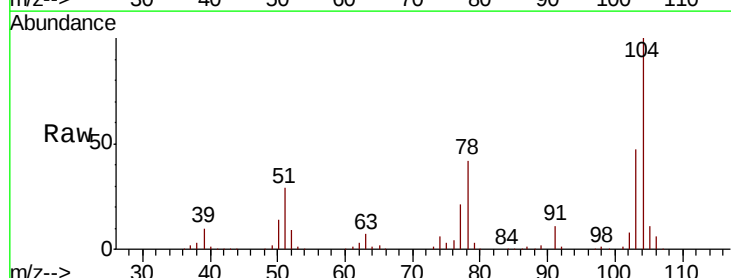
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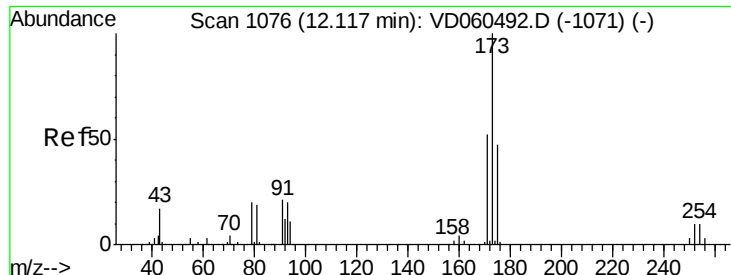
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#70
Styrene
Concen: 20.769 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion:104 Resp: 789279
Ion Ratio Lower Upper
104 100
78 42.0 32.1 48.1
103 46.6 37.2 55.8





#71

Bromoform

Concen: 19.560 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

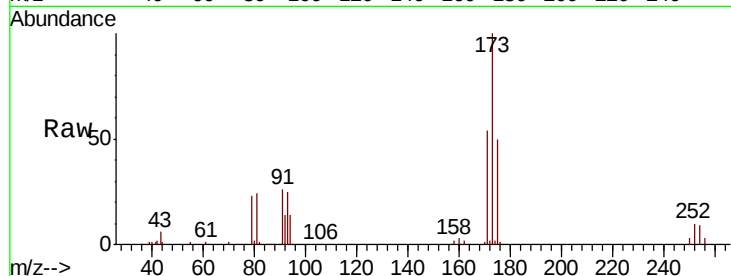
ClientSampleId :

VD1207SBS01

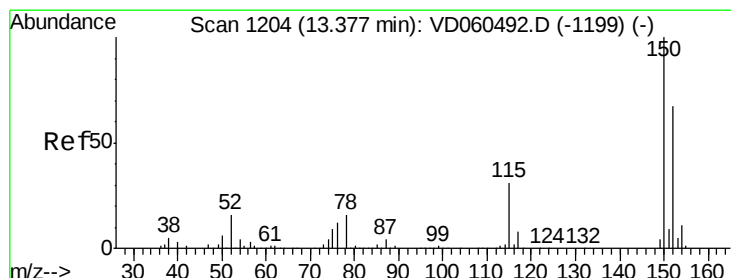
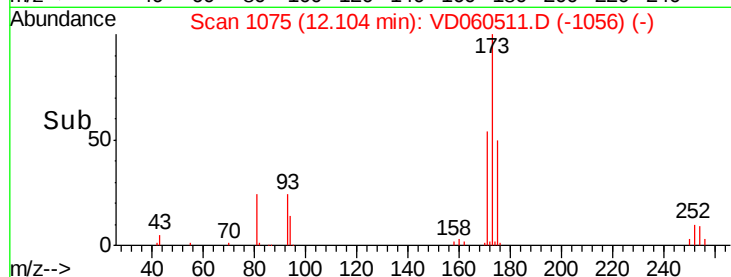
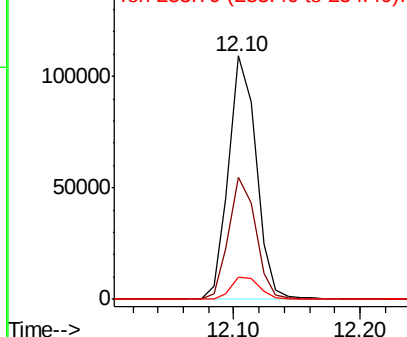
Tot Ion:	173	Resp:	165594
Ion Ratio	Lower	Upper	
173	100		
175	50.0	23.5	70.6
254	9.0	7.8	11.8

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

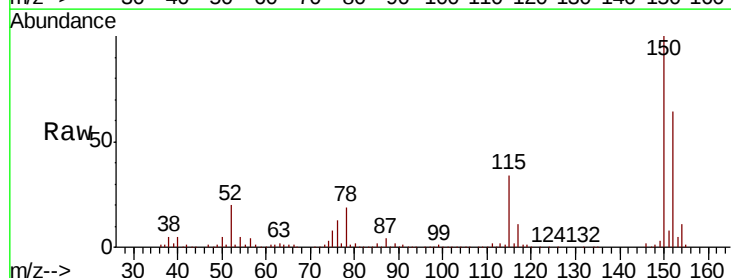
RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

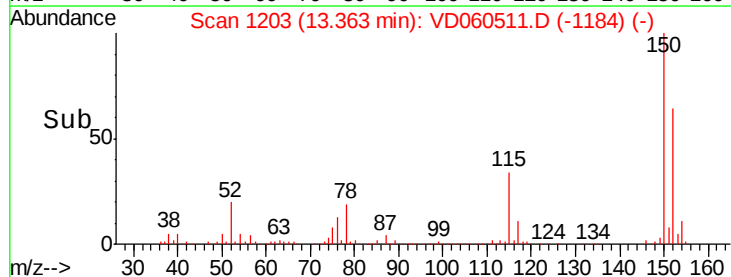
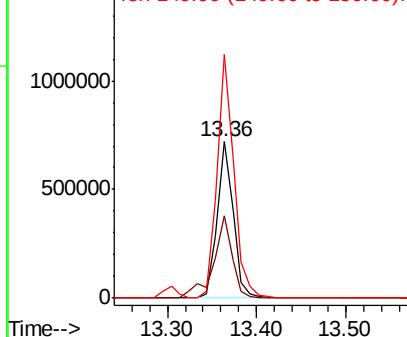
Lab File: VD060511.D

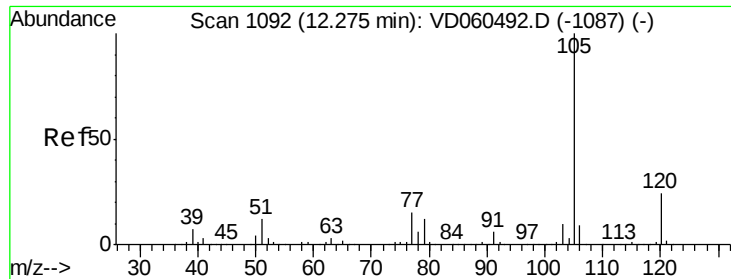
Acq: 7 Dec 2018 11:57

Tgt Ion:	152	Resp:	910267
Ion Ratio	Lower	Upper	
152	100		
115	52.5	24.6	74.0
150	156.0	0.0	309.0



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





#73

Isopropylbenzene

Concen: 22.591 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion:105 Resp: 1455158

Ion Ratio Lower Upper

105 100

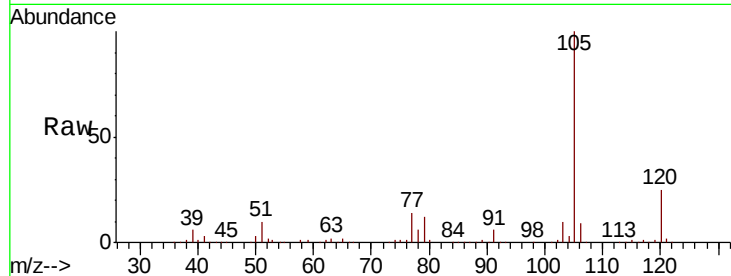
120 25.0 11.9 35.9

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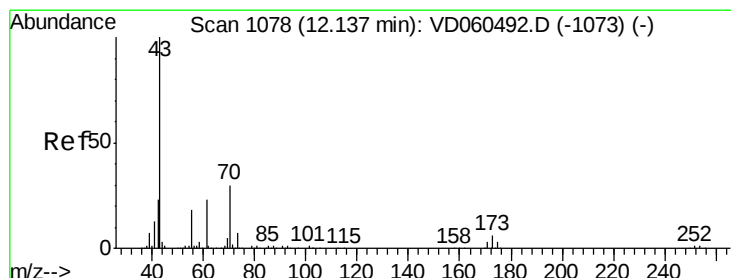
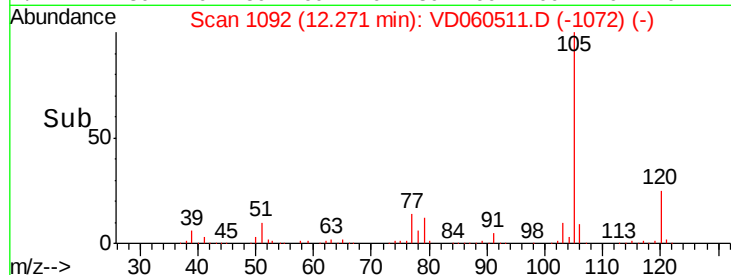
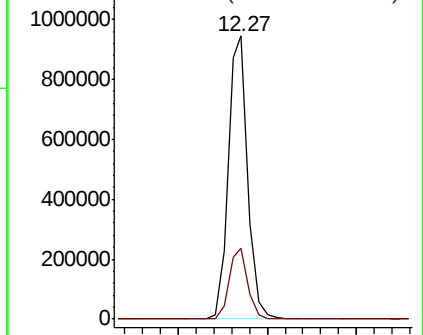
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.280 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Tgt Ion: 43 Resp: 315706

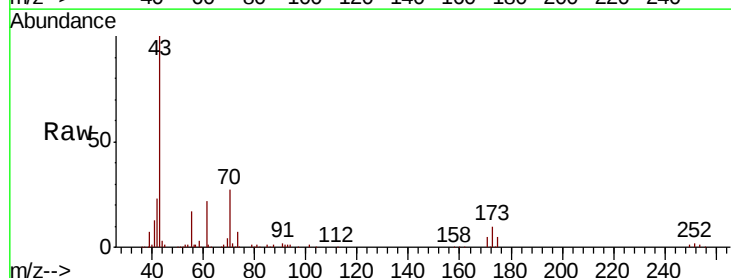
Ion Ratio Lower Upper

43 100

70 27.4 23.8 35.8

55 16.5 14.2 21.2

61 22.3 18.1 27.1

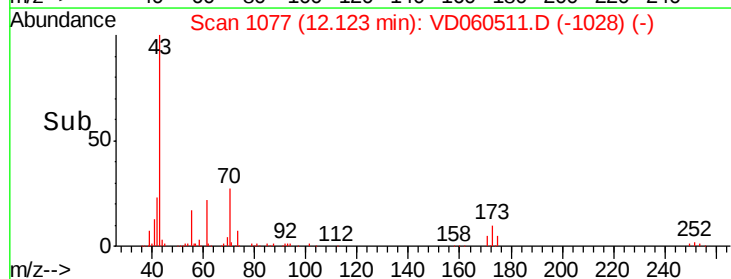
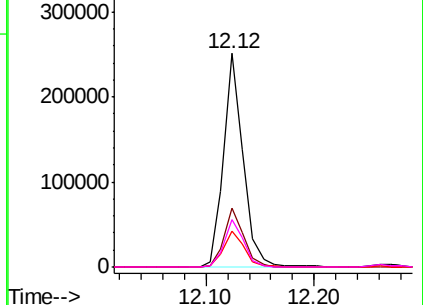


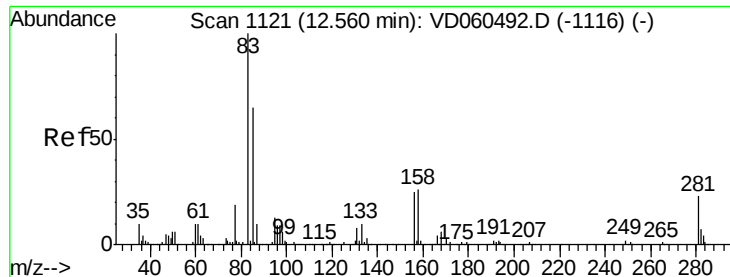
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.634 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 83 Resp: 212778

Ion Ratio Lower Upper

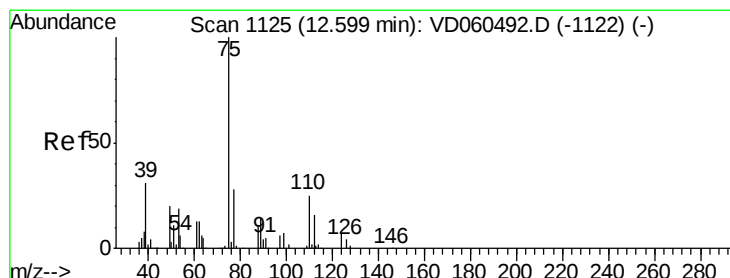
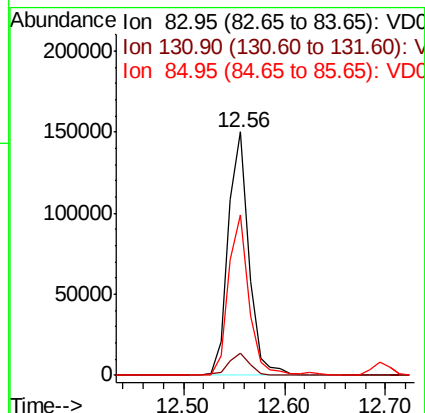
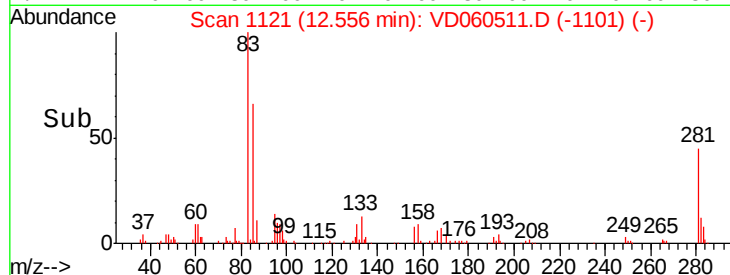
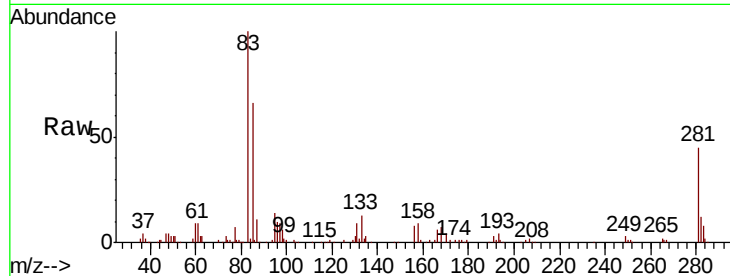
83 100

131 9.3 3.8 11.4

85 66.0 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 20.609 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD060511.D

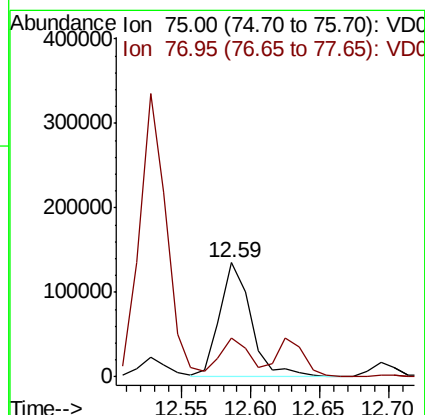
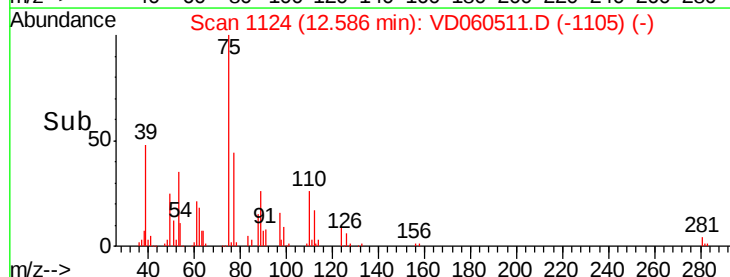
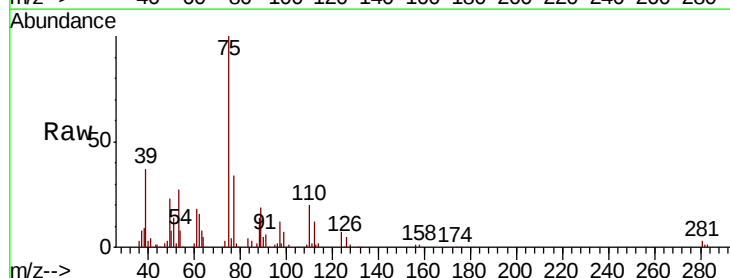
Acq: 7 Dec 2018 11:57

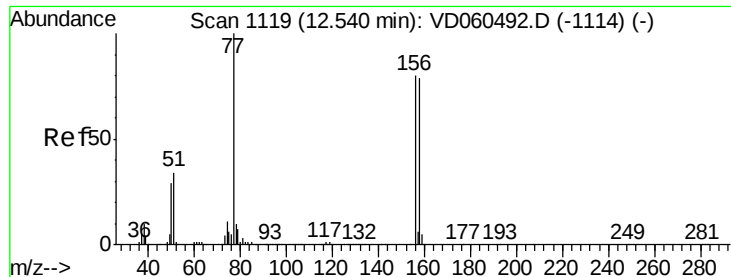
Tgt Ion: 75 Resp: 212558

Ion Ratio Lower Upper

75 100

77 33.7 16.4 49.4





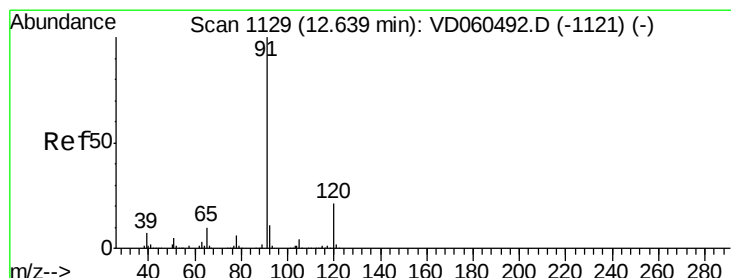
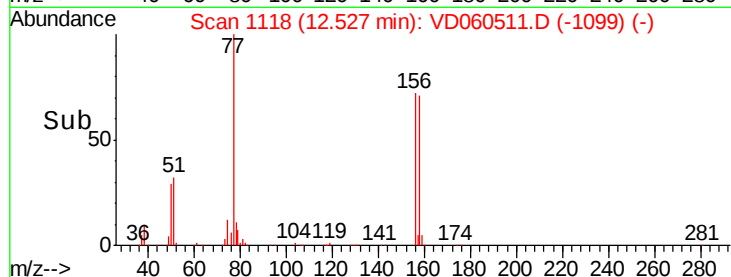
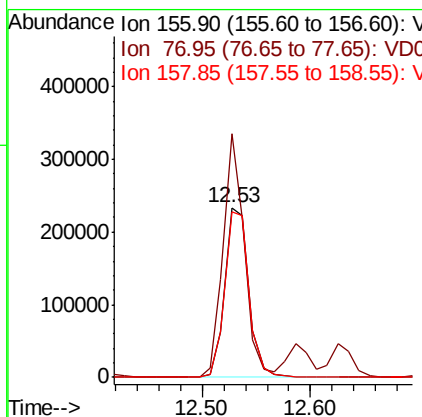
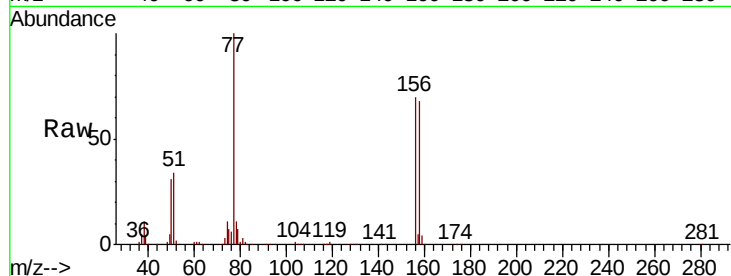
#77
Bromobenzene
Concen: 21.165 ug/l
RT: 12.53 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	143.6	62.5	187.6
158	97.9	49.4	148.2

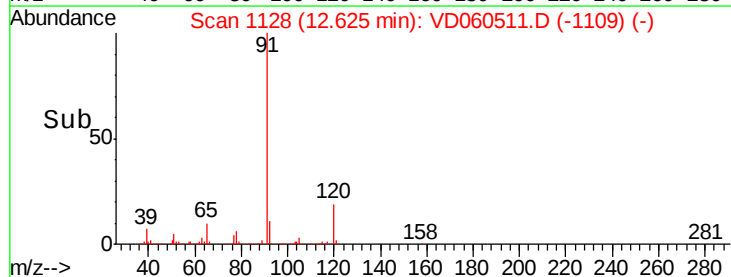
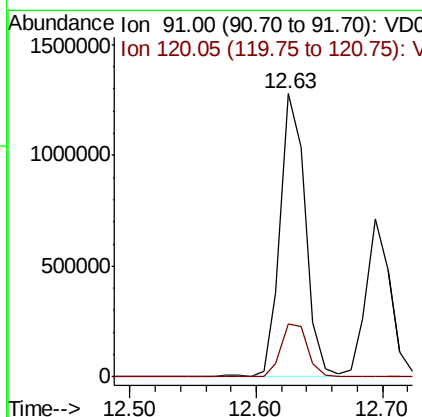
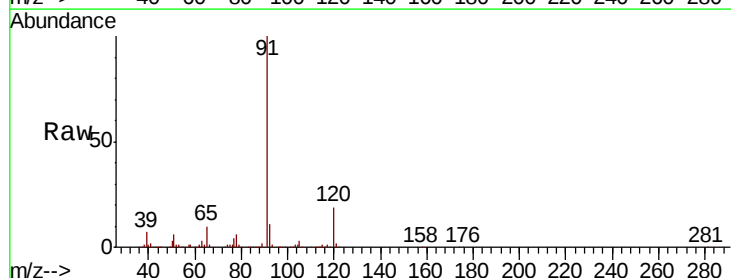
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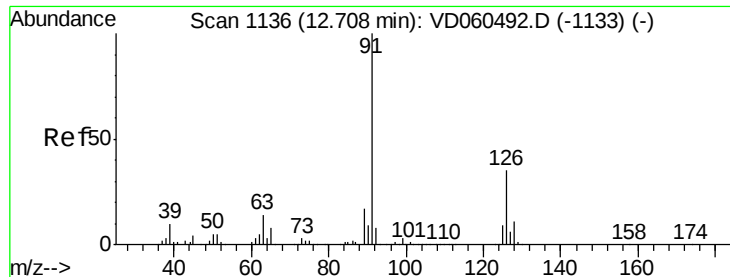
apatel
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#78
n-propylbenzene
Concen: 22.011 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.9	10.4	31.1





#79

2-Chlorotoluene

Concen: 21.861 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 91 Resp: 965916

Ion Ratio Lower Upper

91 100

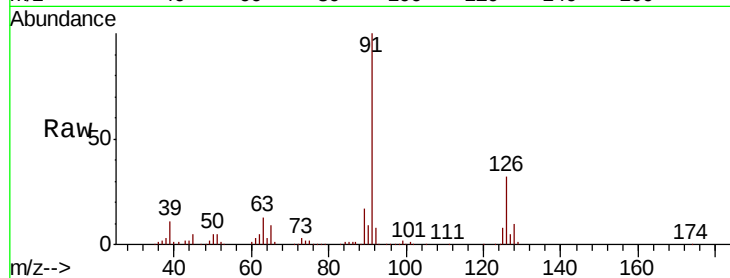
126 32.2 17.3 52.0

Manual Integrations

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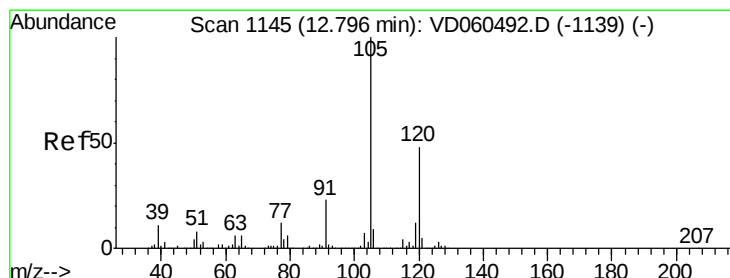
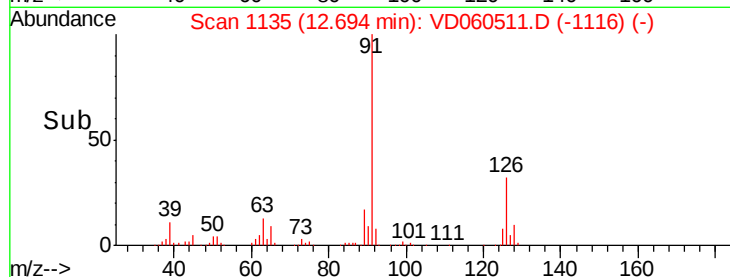
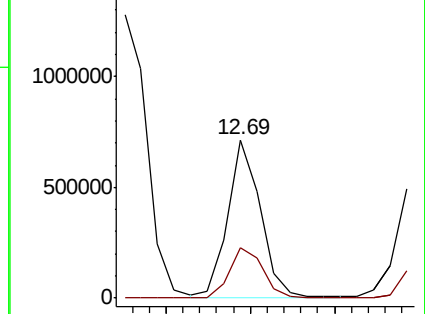
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.098 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060511.D

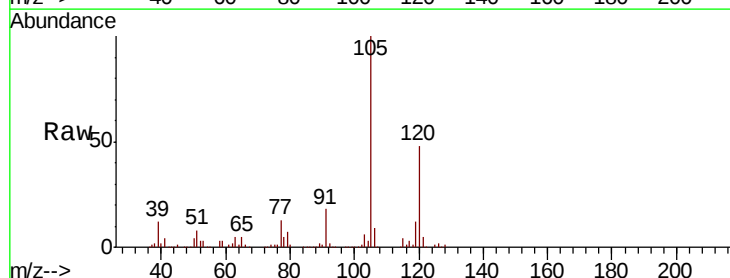
Acq: 7 Dec 2018 11:57

Tgt Ion: 105 Resp: 1087654

Ion Ratio Lower Upper

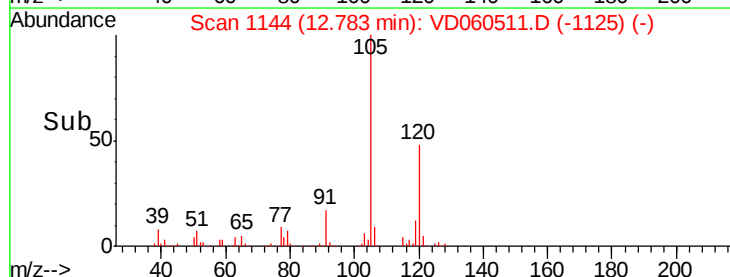
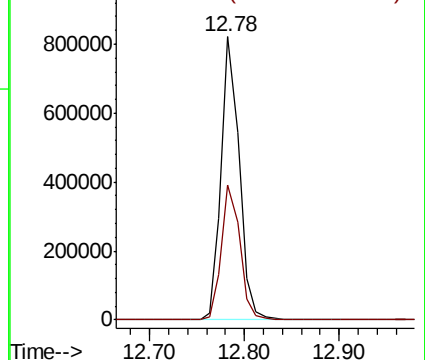
105 100

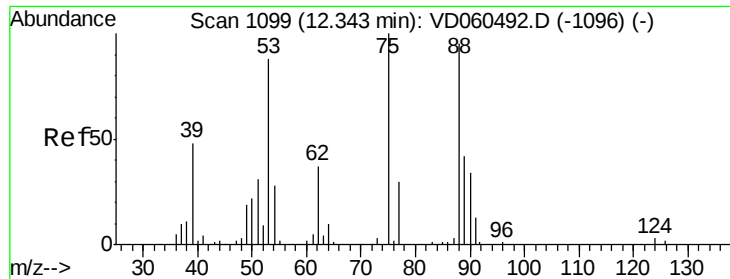
120 47.9 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.128 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 75 Resp: 57900

Ion Ratio Lower Upper

75 100

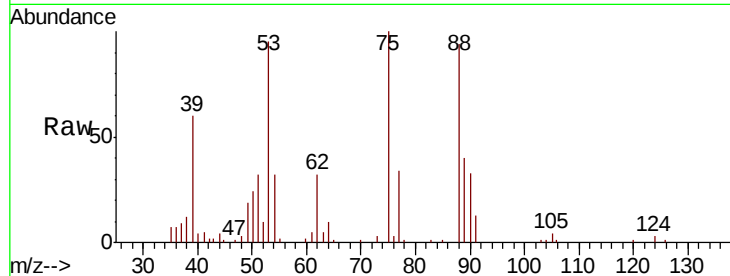
53 95.3 70.5 105.7

89 40.0 33.6 50.4

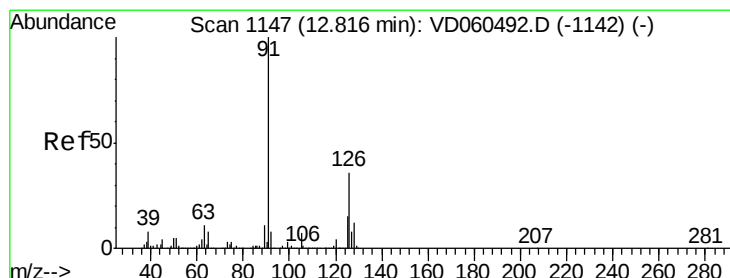
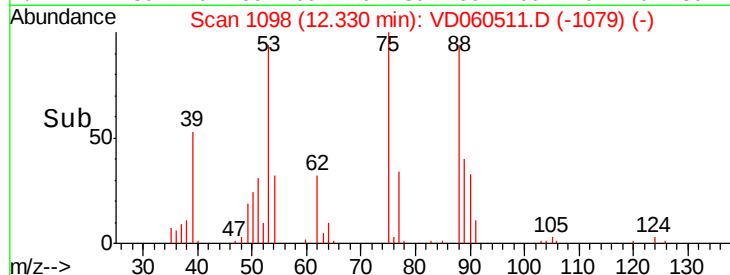
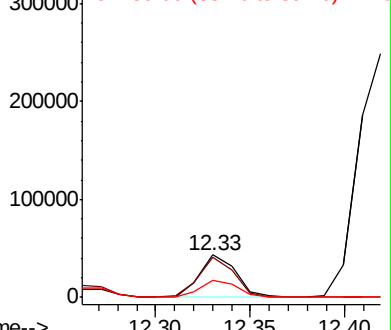
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.811 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060511.D

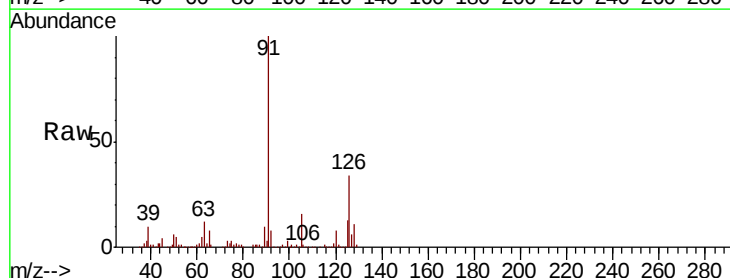
Acq: 7 Dec 2018 11:57

Tgt Ion: 91 Resp: 1082387

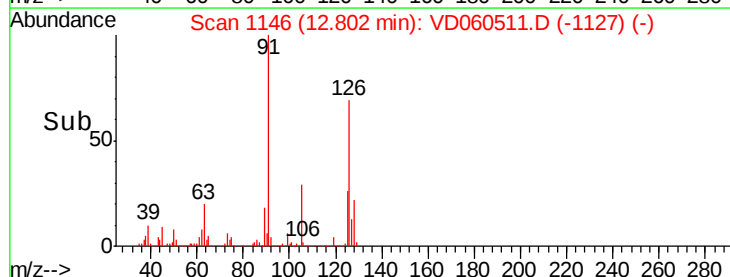
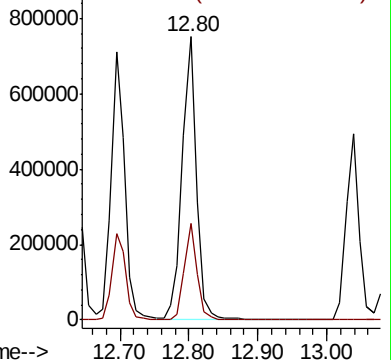
Ion Ratio Lower Upper

91 100

126 34.1 17.8 53.4



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





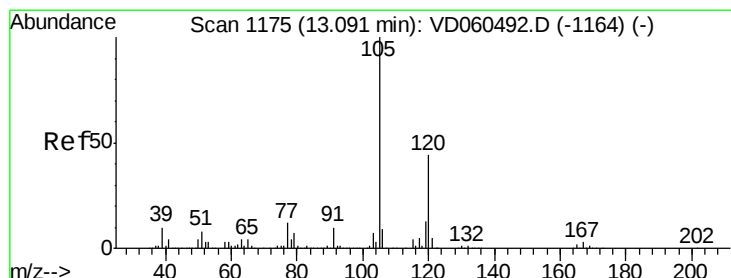
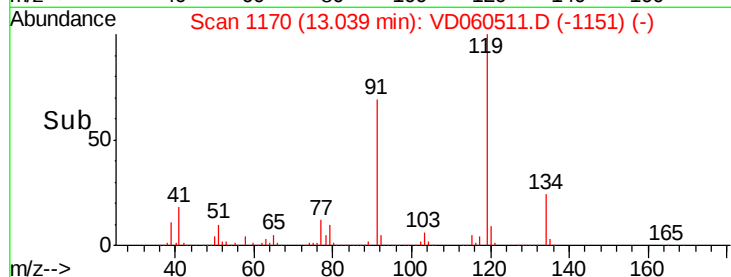
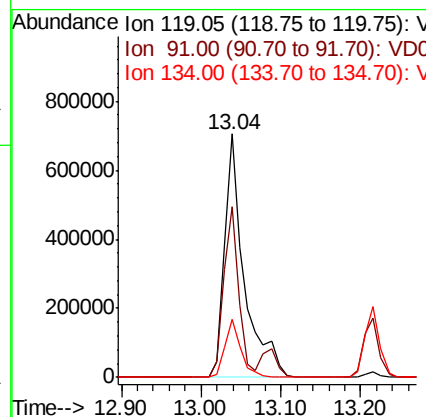
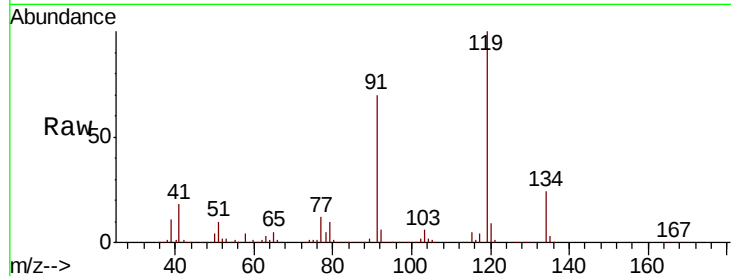
#83
tert-Butylbenzene
Concen: 22.333 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion:119 Resp: 1232469
Ion Ratio Lower Upper
119 100
91 69.9 33.1 99.2
134 23.8 12.0 36.0

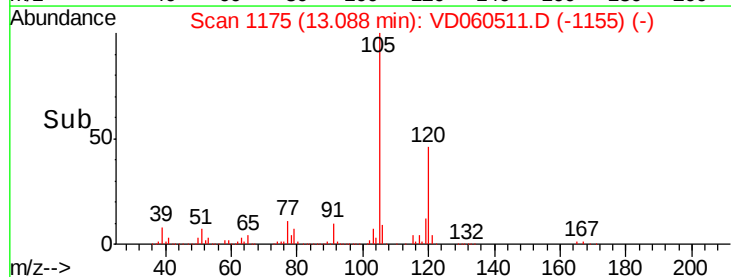
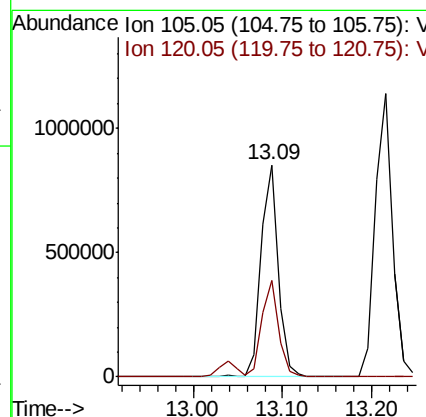
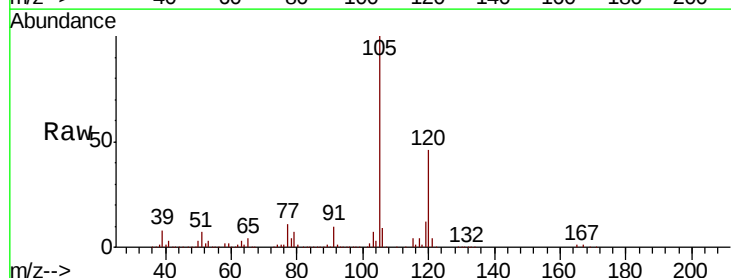
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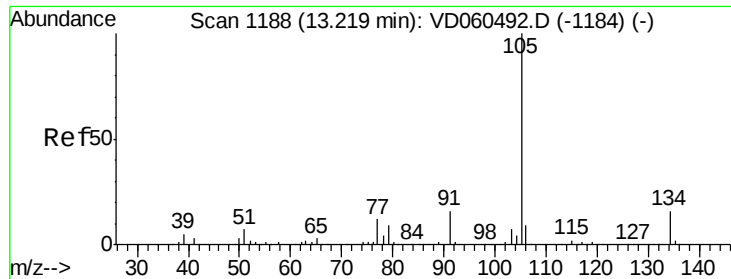
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#84
1,2,4-Trimethylbenzene
Concen: 22.106 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion:105 Resp: 1126623
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.8





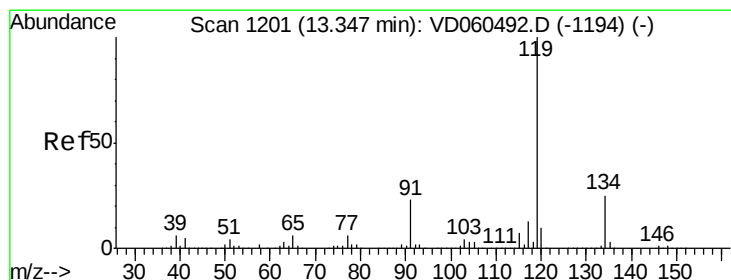
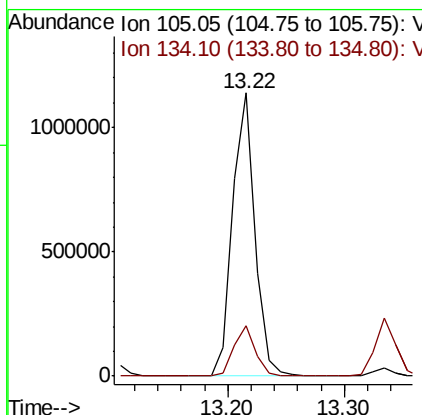
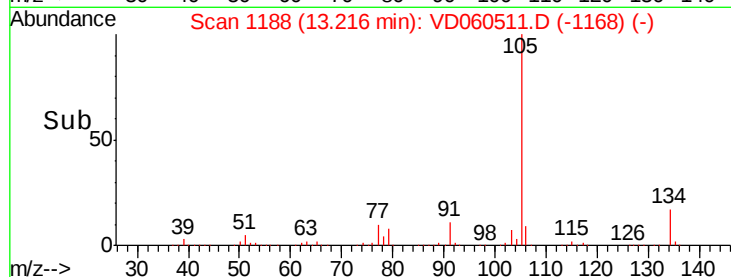
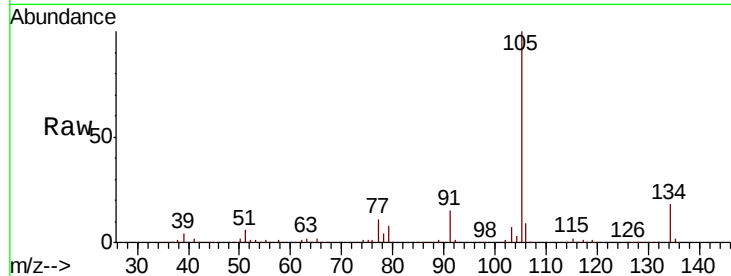
#85
 sec-Butylbenzene
 Concen: 21.969 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion:105 Resp: 1511090
 Ion Ratio Lower Upper
 105 100
 134 18.0 7.9 23.7

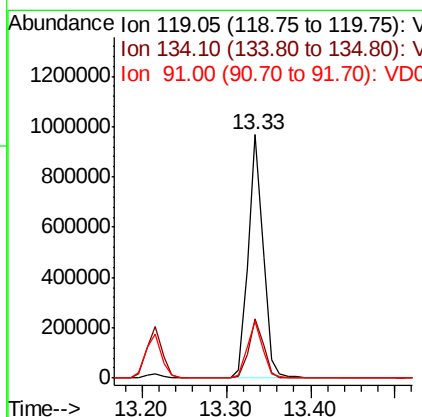
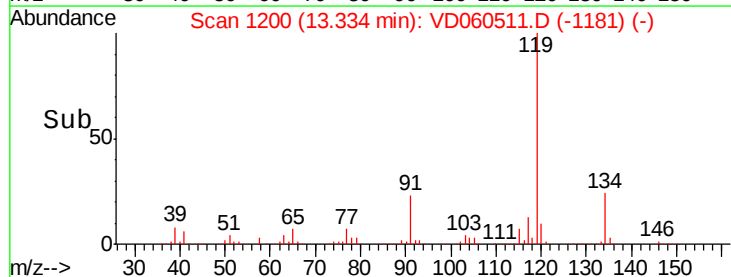
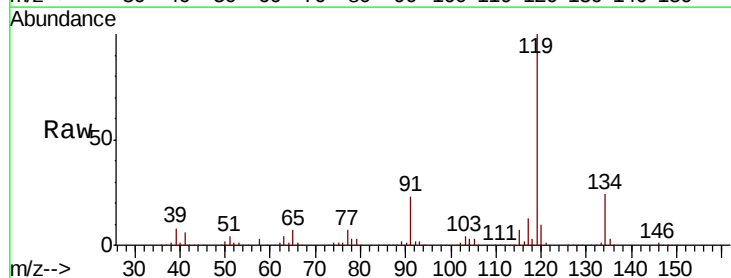
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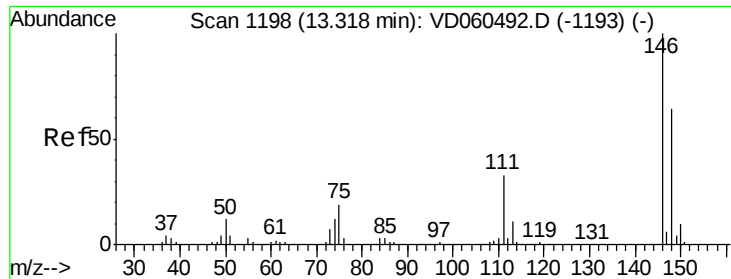
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#86
 p-Isopropyltoluene
 Concen: 21.906 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion:119 Resp: 1194415
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.5 37.5
 91 23.4 11.5 34.4





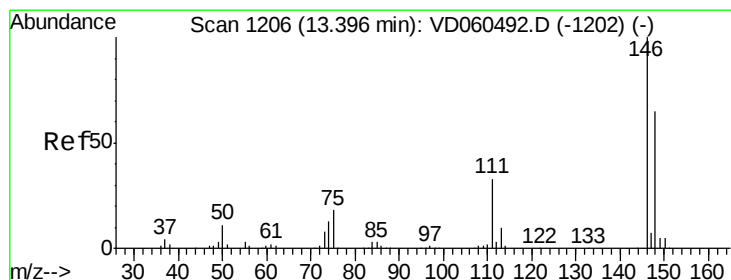
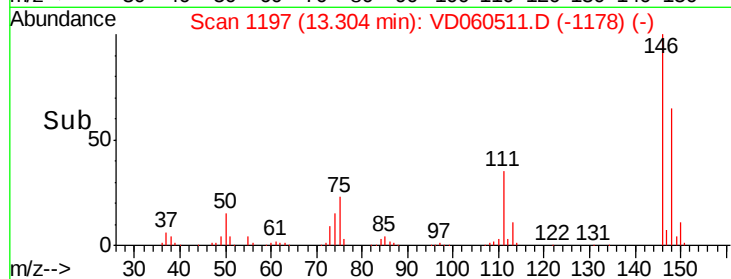
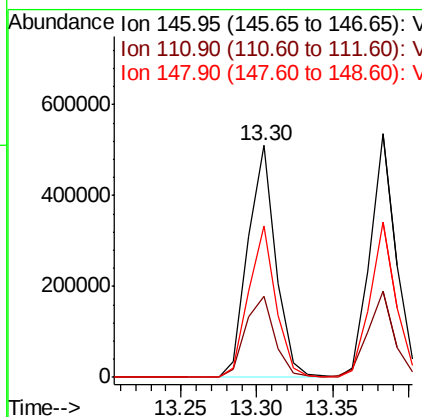
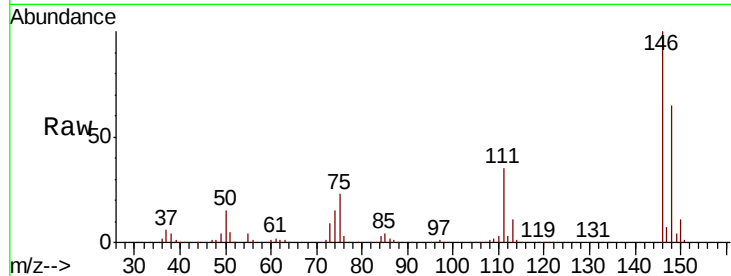
#87
 1,3-Dichlorobenzene
 Concen: 21.362 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	16.5	49.5
148	65.3	32.3	96.8

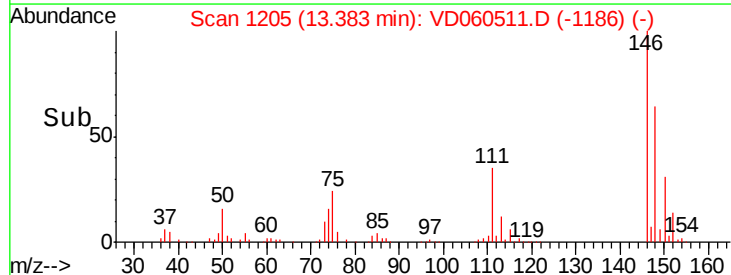
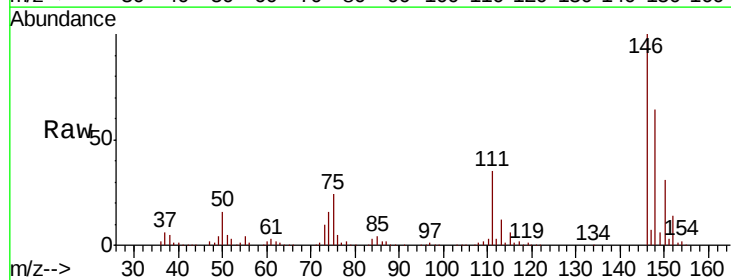
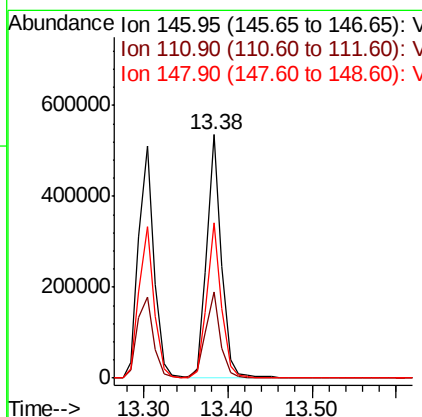
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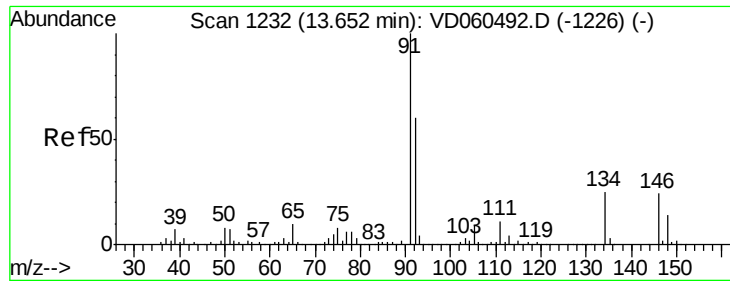
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.606 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	16.4	49.1
148	63.7	32.6	98.0





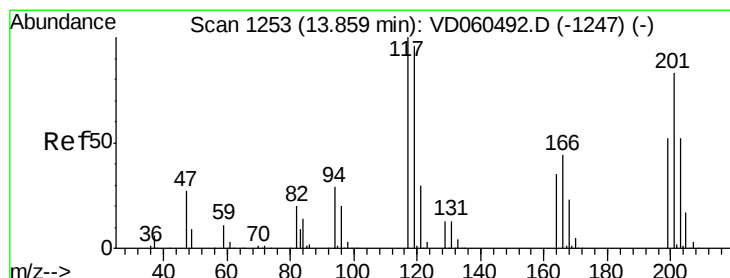
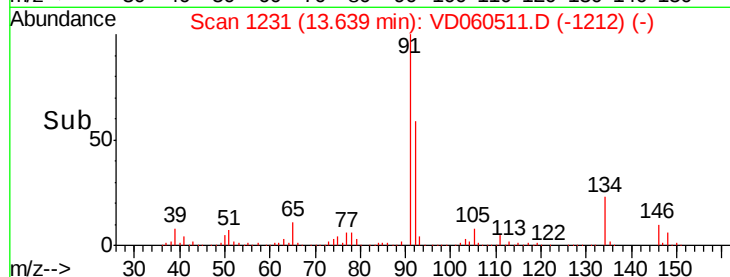
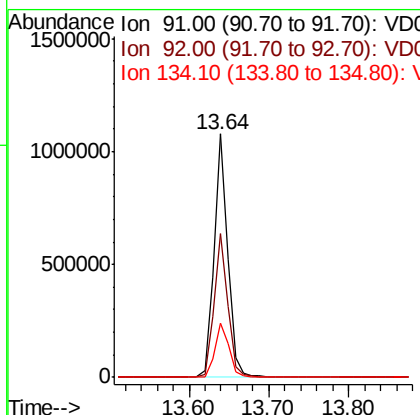
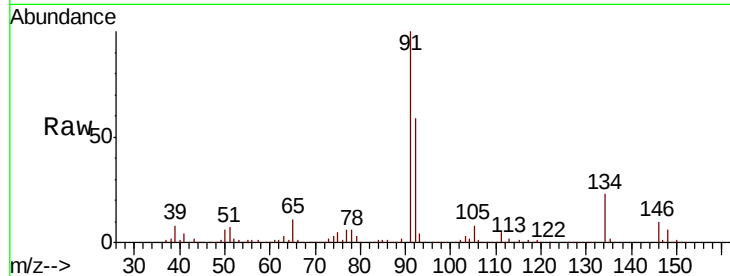
#89
n-Butylbenzene
Concen: 21.578 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 91 Resp: 1302221
Ion Ratio Lower Upper
91 100
92 59.0 30.0 90.1
134 22.5 12.5 37.5

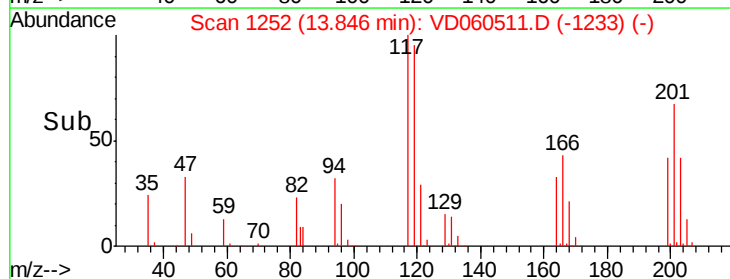
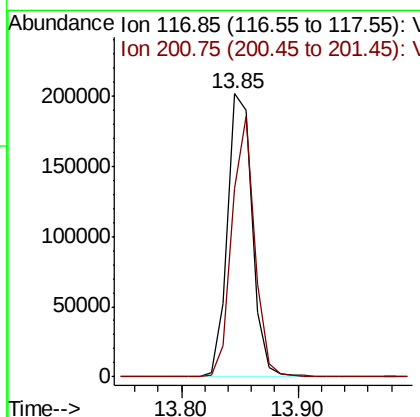
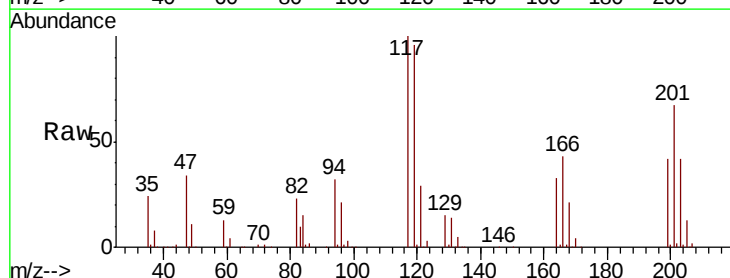
Manual Integrations
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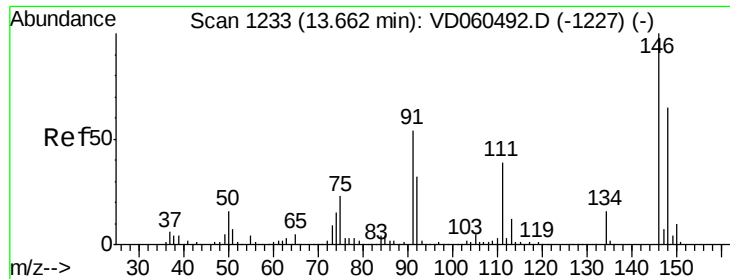
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#90
Hexachloroethane
Concen: 21.728 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 117 Resp: 297048
Ion Ratio Lower Upper
117 100
201 66.6 41.3 123.9





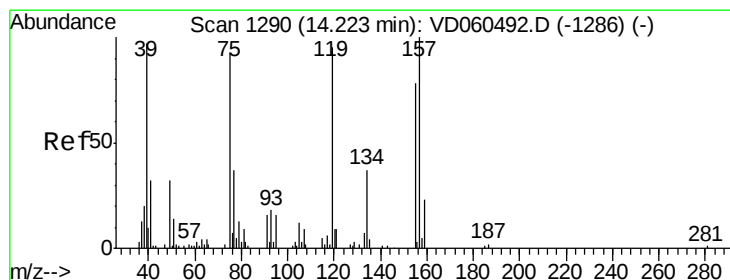
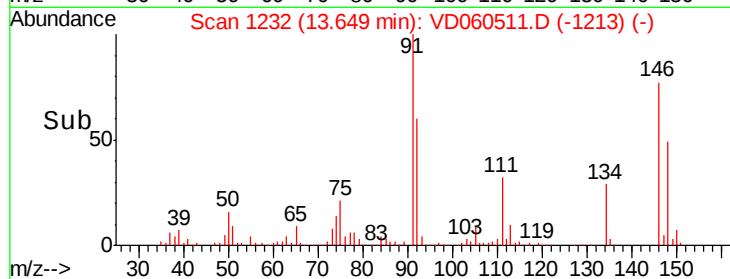
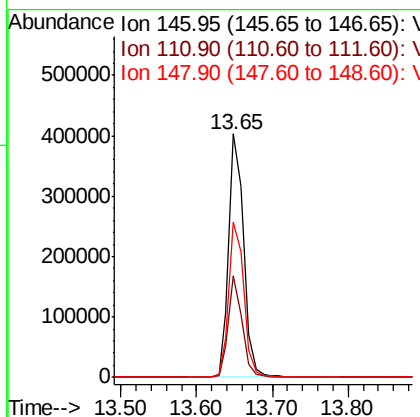
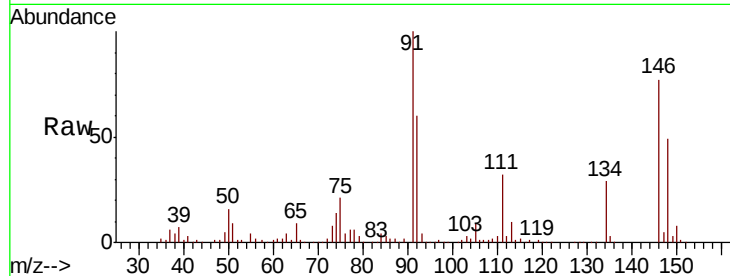
#91
 1,2-Dichlorobenzene
 Concen: 22.131 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.3	57.8
148	63.5	32.3	96.8

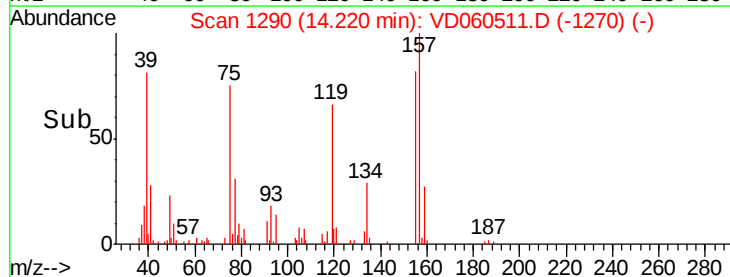
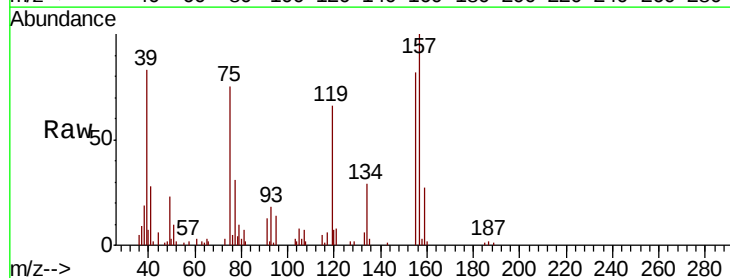
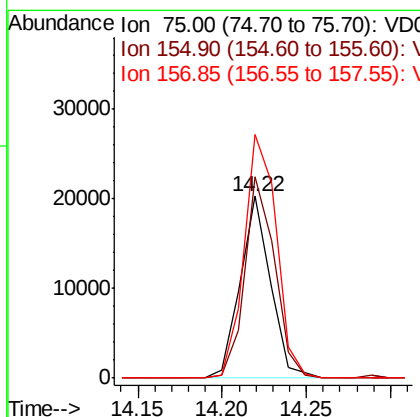
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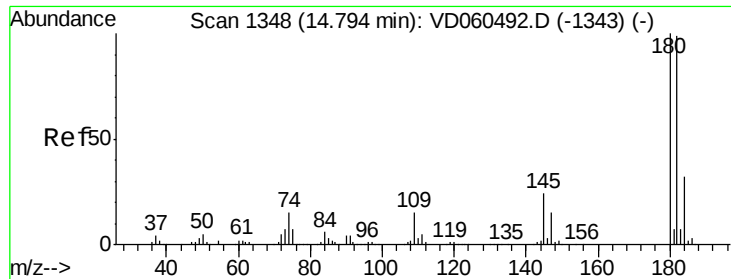
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.226 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.6	41.6	124.9
157	134.1	53.6	160.8





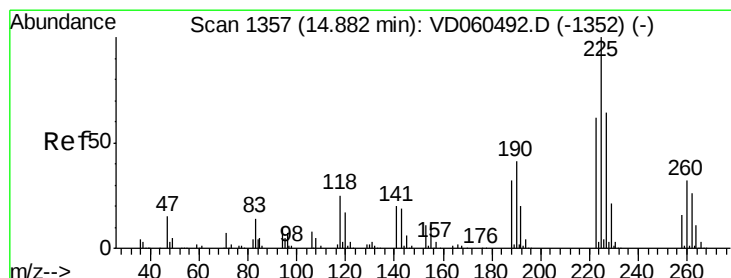
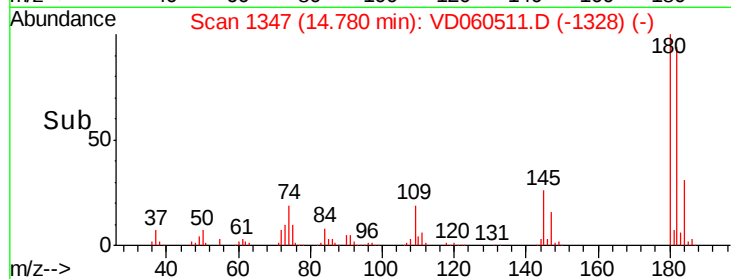
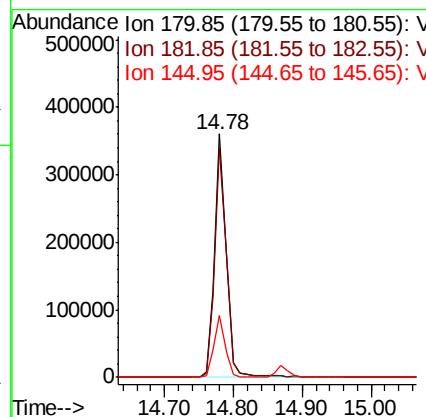
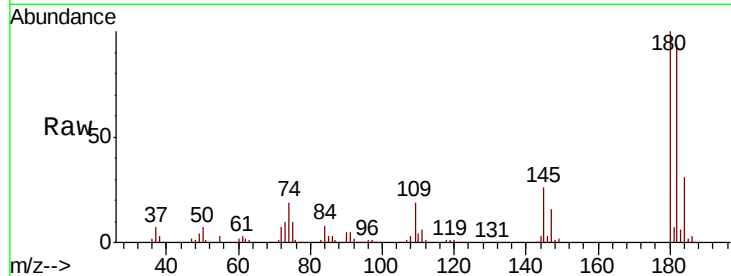
#93
 1,2,4-Trichlorobenzene
 Concen: 21.578 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	422602		
182	94.4	49.4	148.0	
145	25.6	11.9	35.9	

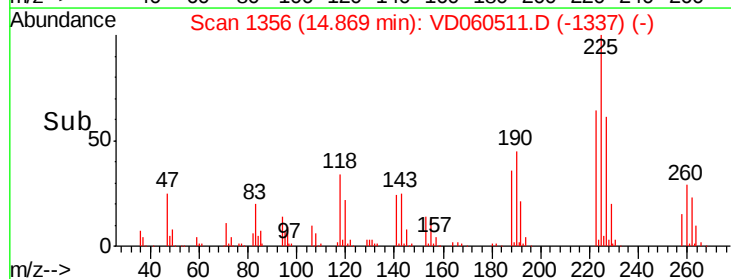
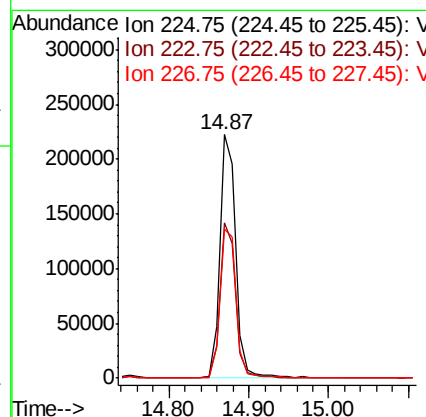
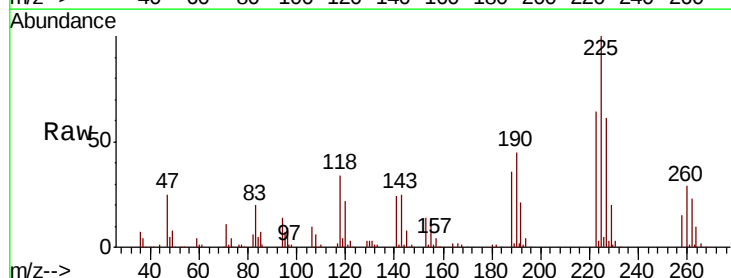
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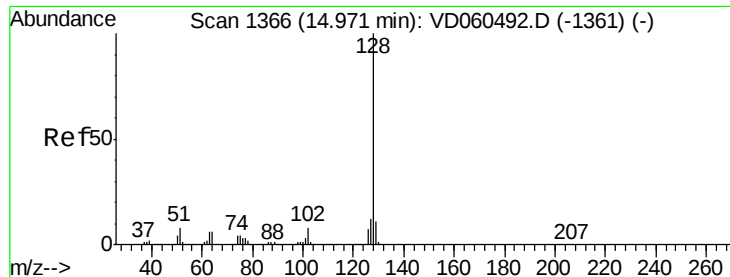
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#94
 Hexachlorobutadiene
 Concen: 21.738 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	314099		
223	63.8	31.2	93.6	
227	61.0	32.0	96.0	





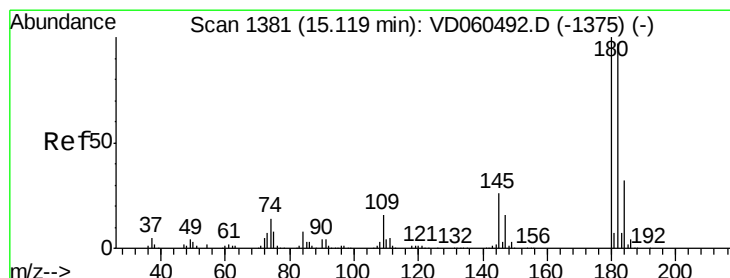
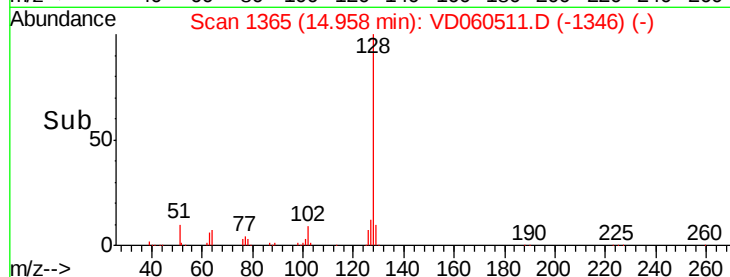
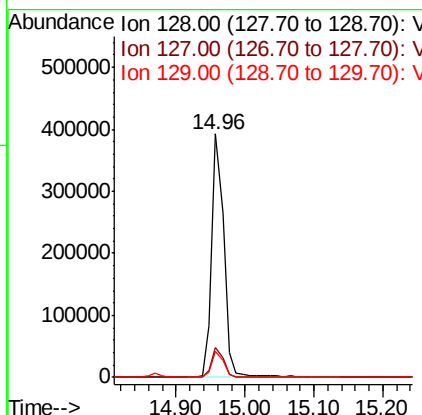
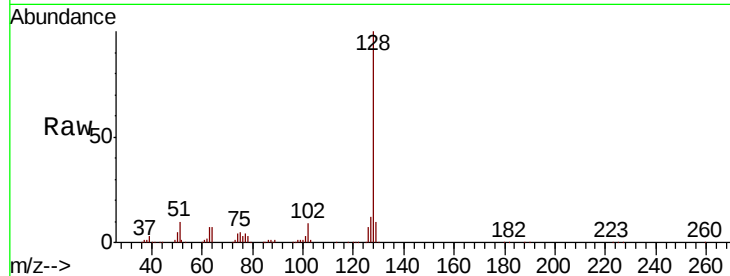
#95
Naphthalene
Concen: 20.737 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	483145		
127	12.3	9.8	14.8	
129	10.5	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.818 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	324873		
182	99.3	48.5	145.5	
145	29.7	12.9	38.7	

