

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060128.D
 Acq On : 4 Oct 2018 13:03
 Operator : VA/AP
 Sample : VD1004SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Manual Integrations
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Quant Time: Oct 04 15:45:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1530462	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2156766	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1740869	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	923207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	599683	51.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	6.31	113	818016	49.95	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	9.45	98	2254044	48.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.43	95	860284	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.58	85	282475	19.621	ug/l 100
3) Chloromethane	1.75	50	289569	22.306	ug/l 99
4) Vinyl Chloride	1.85	62	227101	21.376	ug/l 100
5) Bromomethane	2.12	94	23710	17.774	ug/l 86
6) Chloroethane	2.23	64	56264	19.407	ug/l 95
7) Trichlorofluoromethane	2.50	101	272165	21.395	ug/l 98
8) Diethyl Ether	2.82	74	57720	22.066	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.08	101	177422	22.388	ug/l 97
10) Methyl Iodide	3.23	142	169070	20.118	ug/l 98
11) Tert butyl alcohol	3.96	59	73601	88.461	ug/l 96
12) 1,1-Dichloroethene	3.06	96	143603	23.002	ug/l 95
13) Acrolein	2.97	56	49775	97.047	ug/l 96
14) Allyl chloride	3.52	41	284126	21.912	ug/l 100
15) Acrylonitrile	4.08	53	354917	103.059	ug/l 96
16) Acetone	3.16	43	236461	112.329	ug/l 97
17) Carbon Disulfide	3.30	76	465743	22.184	ug/l 99
18) Methyl Acetate	3.55	43	92112	20.359	ug/l 100
19) Methyl tert-butyl Ether	4.11	73	578031	21.058	ug/l 98
20) Methylene Chloride	3.71	84	386036	20.785	ug/l 96
21) trans-1,2-Dichloroethene	4.09	96	338978	21.023	ug/l 97
22) Diisopropyl ether	4.85	45	1241857	21.446	ug/l 98
23) Vinyl Acetate	4.80	43	3445476	105.852	ug/l 99
24) 1,1-Dichloroethane	4.75	63	557043	21.216	ug/l 99
25) 2-Butanone	5.62	43	595438	113.223	ug/l 99
26) 2,2-Dichloropropane	5.58	77	447089	22.462	ug/l 95
27) cis-1,2-Dichloroethene	5.59	96	360228	21.086	ug/l 89
28) Bromochloromethane	5.92	49	260874	20.446	ug/l 96
29) Tetrahydrofuran	5.95	42	314351	102.908	ug/l 99
30) Chloroform	6.10	83	573440	21.591	ug/l 97
31) Cyclohexane	6.36	56	528574	21.031	ug/l 99
32) 1,1,1-Trichloroethane	6.28	97	469723	21.587	ug/l 99
36) 1,1-Dichloropropene	6.52	75	433227	21.020	ug/l 99
37) Ethyl Acetate	5.69	43	261936	19.147	ug/l 99
38) Carbon Tetrachloride	6.49	117	391815	20.946	ug/l 99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	497750	21.256	ug/l	99
40) Benzene	6.79	78	1116719	20.711	ug/l	99
41) Methacrylonitrile	5.93	41	153406m	19.840	ug/l	
42) 1,2-Dichloroethane	6.89	62	308897	19.983	ug/l	98
43) Isopropyl Acetate	8.35	43	352127	19.565	ug/l #	100
44) Trichloroethene	7.74	130	340792	20.418	ug/l	99
45) 1,2-Dichloropropane	8.10	63	297061	21.041	ug/l	99
46) Dibromomethane	8.21	93	185617	20.307	ug/l	97
47) Bromodichloromethane	8.49	83	410075	21.056	ug/l	99
48) Methyl methacrylate	8.24	41	205512	20.047	ug/l	98
49) 1,4-Dioxane	8.22	88	39371	390.321	ug/l	93
51) 4-Methyl-2-Pentanone	9.35	43	1151835	101.469	ug/l	98
52) Toluene	9.55	92	710054	20.448	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	362759	20.585	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	440970	20.264	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	235582	20.752	ug/l	99
56) Ethyl methacrylate	10.03	69	255308	20.374	ug/l	97
57) 1,3-Dichloropropane	10.38	76	356587	20.596	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	727546	104.552	ug/l	98
59) 2-Hexanone	10.49	43	853863	104.605	ug/l	98
60) Dibromochloromethane	10.64	129	280202	20.117	ug/l	99
61) 1,2-Dibromoethane	10.76	107	241063	19.985	ug/l	100
64) Tetrachloroethene	10.25	164	309892	20.324	ug/l	97
65) Chlorobenzene	11.31	112	793265	21.063	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	267811	21.316	ug/l	97
67) Ethyl Benzene	11.43	91	1358517	22.264	ug/l	99
68) m/p-Xylenes	11.57	106	1002044	43.952	ug/l	97
69) o-Xylene	11.93	106	484834	21.500	ug/l	96
70) Styrene	11.95	104	798666	21.178	ug/l	97
71) Bromoform	12.12	173	199979	19.657	ug/l #	97
73) Isopropylbenzene	12.28	105	1263943	20.752	ug/l	99
74) N-amyl acetate	12.13	43	457790	20.520	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.56	83	270944	20.377	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	265285	19.953	ug/l	99
77) Bromobenzene	12.54	156	367985	20.792	ug/l	89
78) n-propylbenzene	12.64	91	1645602	21.760	ug/l	97
79) 2-Chlorotoluene	12.71	91	870806	20.747	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1023848	21.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	72808	19.489	ug/l	95
82) 4-Chlorotoluene	12.81	91	1048579	22.087	ug/l	97
83) tert-Butylbenzene	13.05	119	1166388	21.563	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1084012	21.820	ug/l	98
85) sec-Butylbenzene	13.22	105	1380366	21.582	ug/l	100
86) p-Isopropyltoluene	13.34	119	1177637	22.449	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	662530	21.486	ug/l	100
88) 1,4-Dichlorobenzene	13.39	146	662511	21.390	ug/l	98
89) n-Butylbenzene	13.65	91	1154248	22.550	ug/l	98
90) Hexachloroethane	13.86	117	258620	21.302	ug/l	69
91) 1,2-Dichlorobenzene	13.67	146	561297	21.648	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.23	75	34882	19.648	ug/l	83

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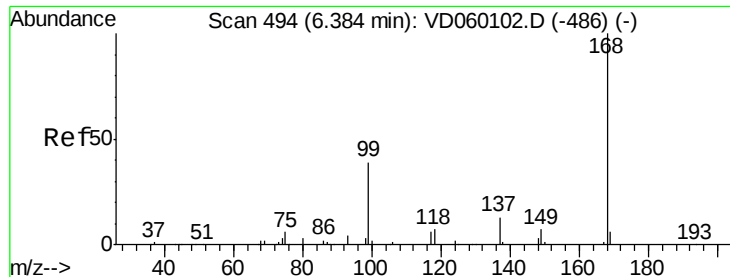
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	446060	20.269	ug/l	98
94) Hexachlorobutadiene	14.88	225	299442	20.470	ug/l	99
95) Naphthalene	14.96	128	630466	19.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	380617	19.882	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion:168 Resp: 1530462

Ion Ratio Lower Upper

168 100

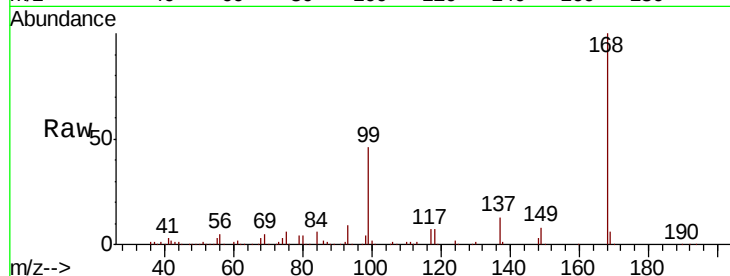
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Manual Integrations

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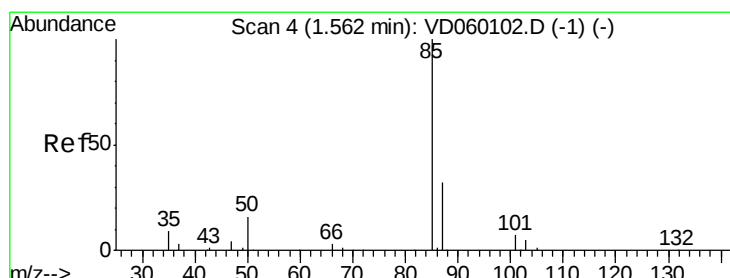
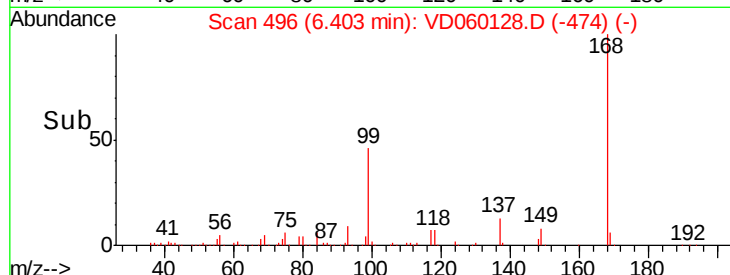
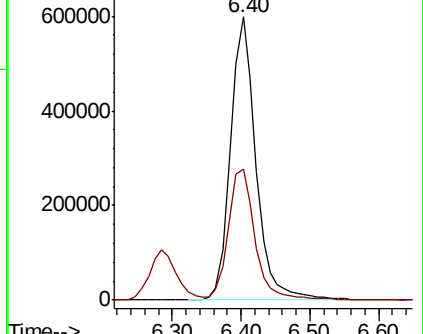
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.621 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060128.D

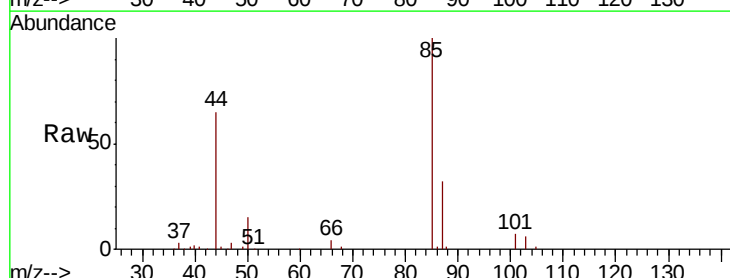
Acq: 4 Oct 2018 13:03

Tgt Ion: 85 Resp: 282475

Ion Ratio Lower Upper

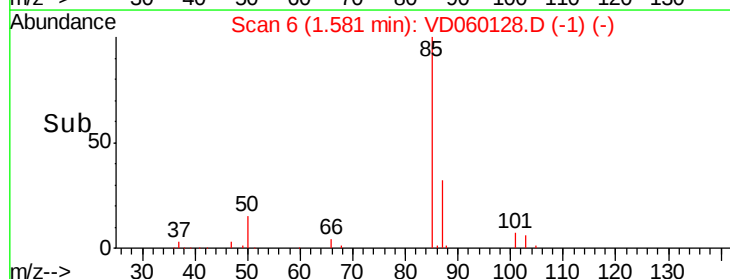
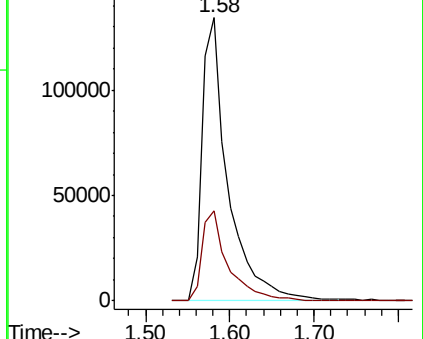
85 100

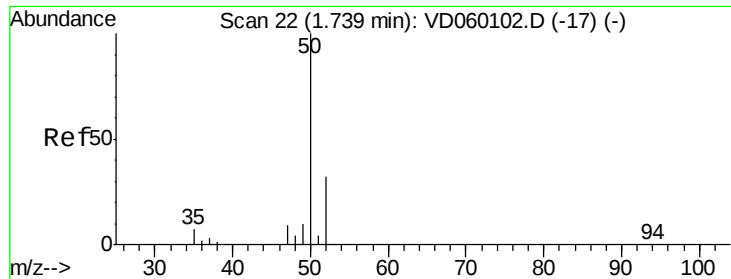
87 31.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.306 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 50 Resp: 289569

Ion Ratio Lower Upper

50 100

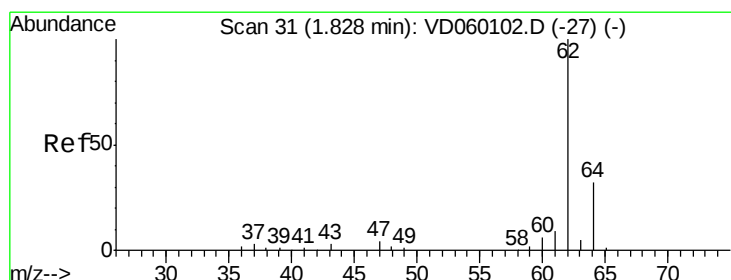
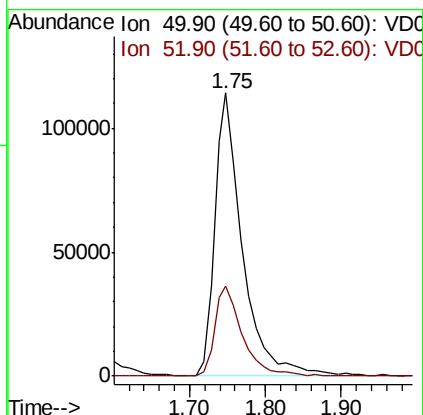
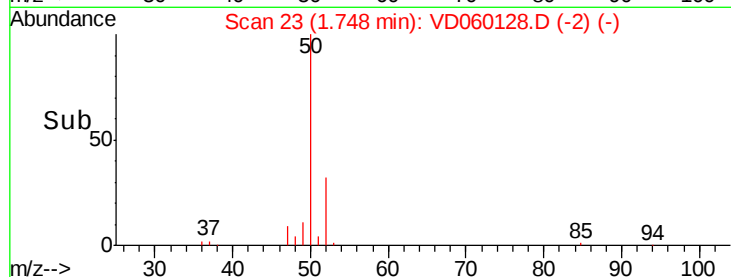
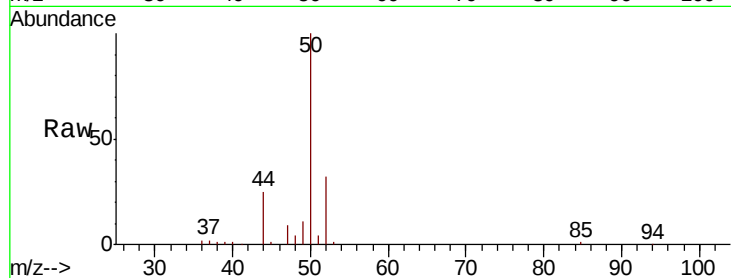
52 32.0 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.376 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060128.D

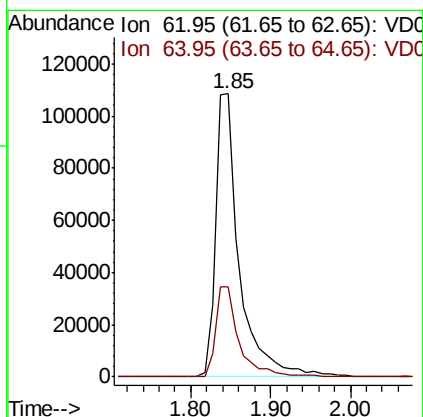
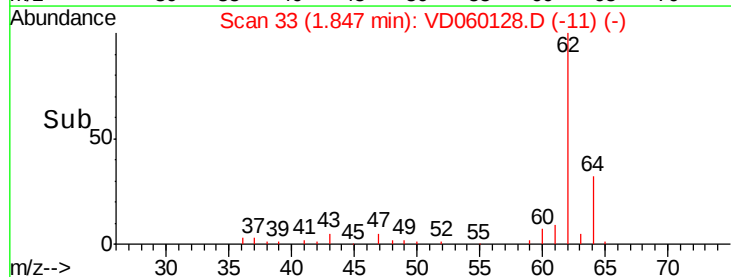
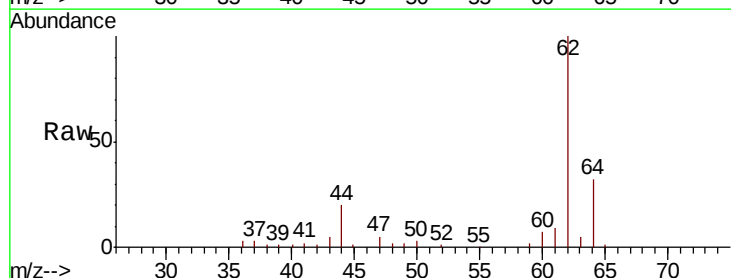
Acq: 4 Oct 2018 13:03

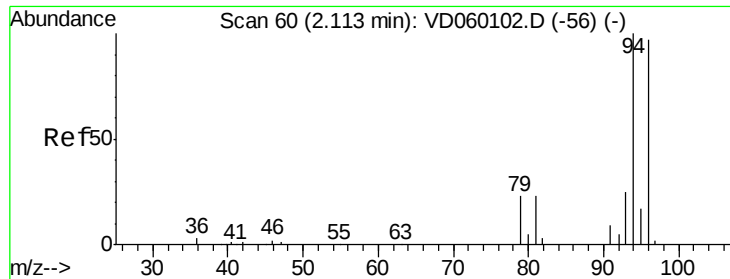
Tgt Ion: 62 Resp: 227101

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8





#5

Bromomethane

Concen: 17.774 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

Tot Ion: 94 Resp: 23710

Ion Ratio Lower Upper

94 100

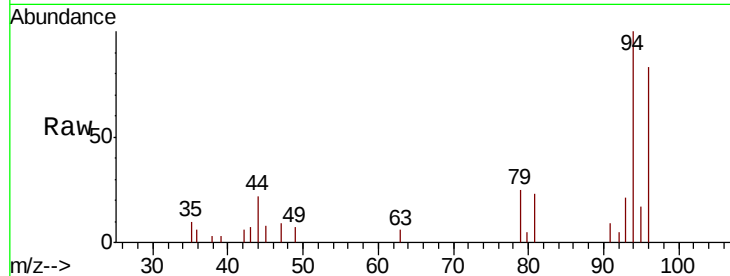
96 83.1 77.4 116.2

Manual Integrations

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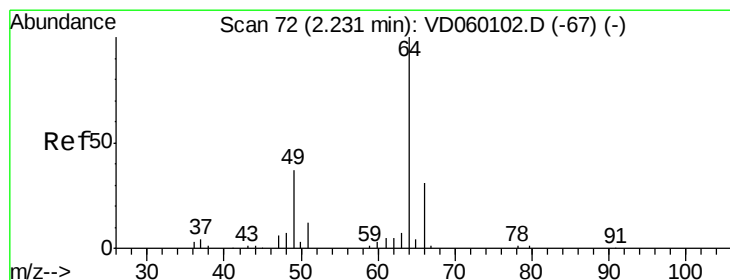
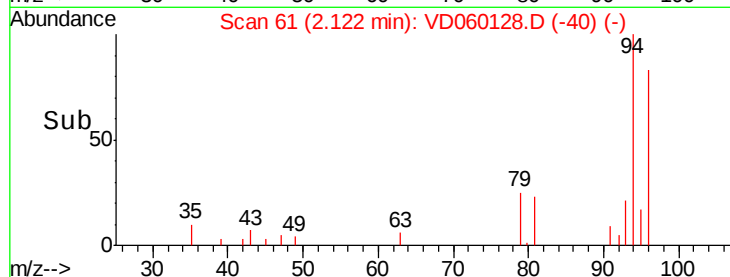
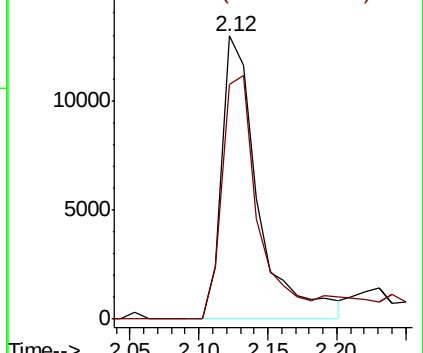
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.407 ug/l

RT: 2.23 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD060128.D

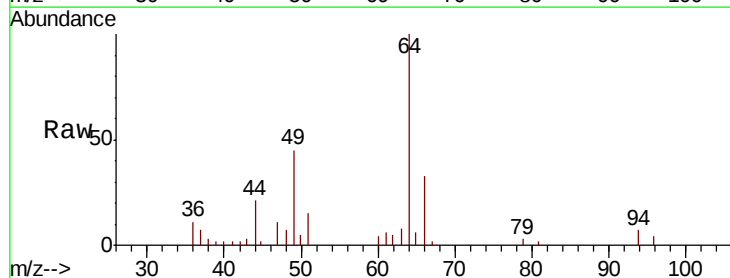
Acq: 4 Oct 2018 13:03

Tgt Ion: 64 Resp: 56264

Ion Ratio Lower Upper

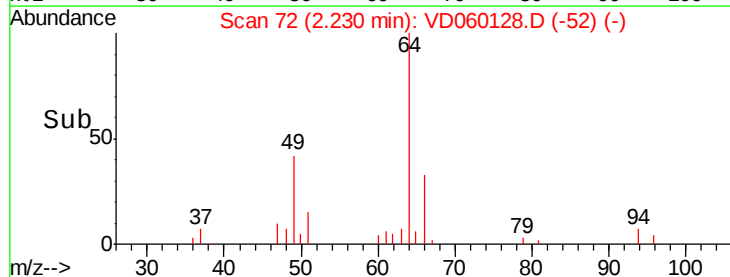
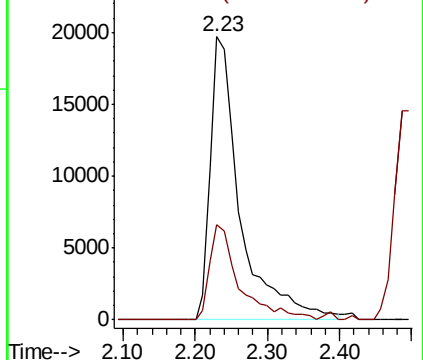
64 100

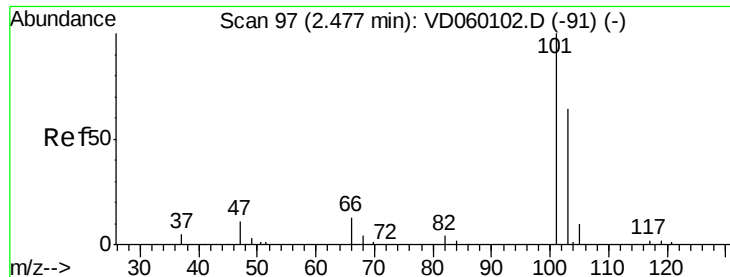
66 33.5 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

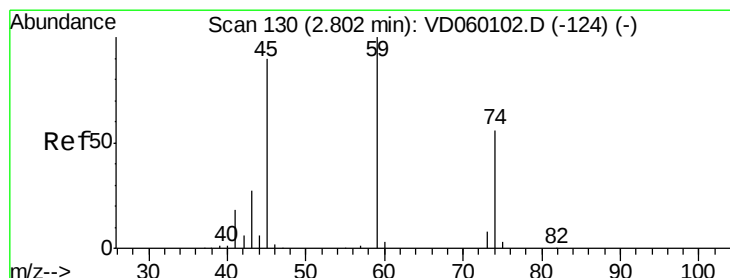
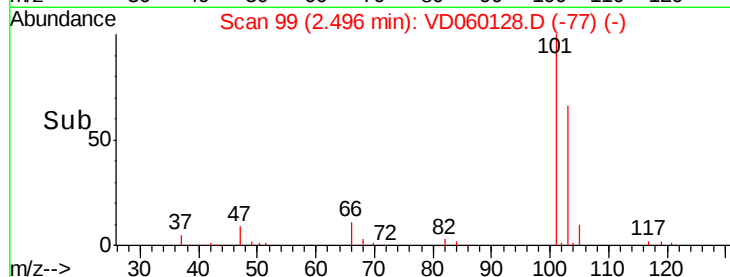
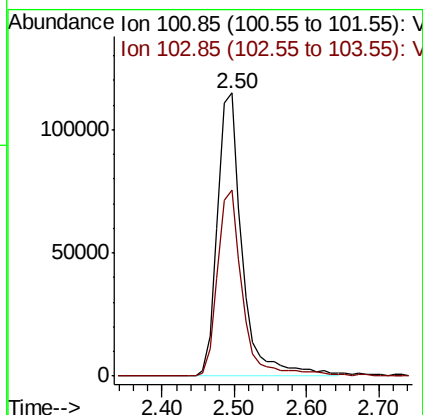
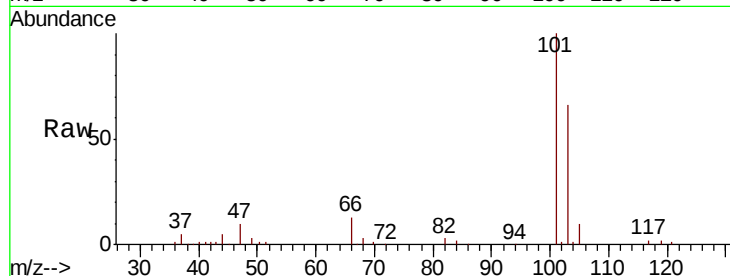
Trichlorofluoromethane
 Concen: 21.395 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.5	77.3

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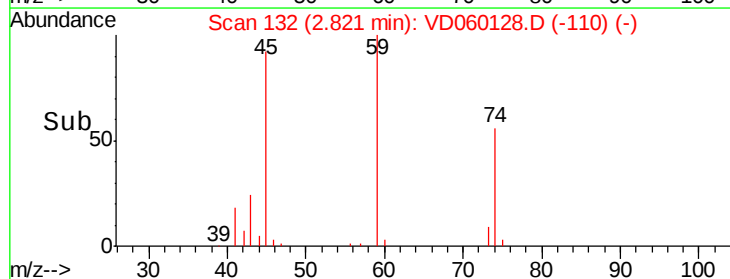
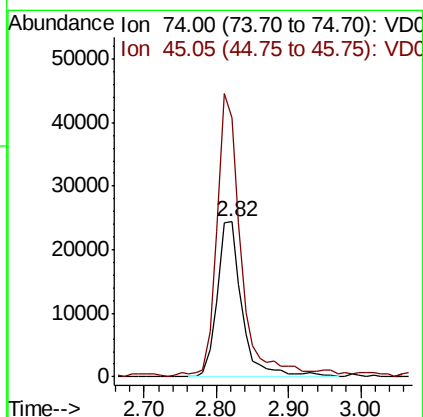
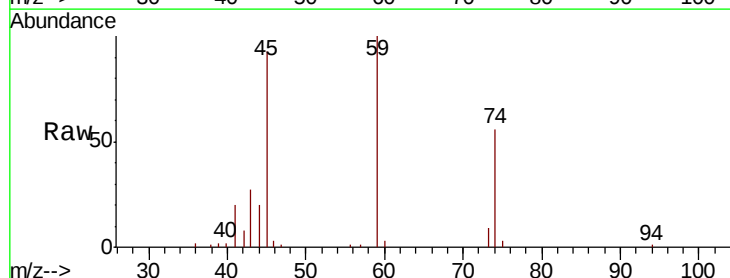
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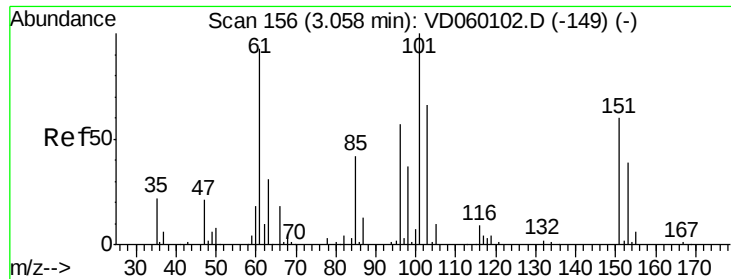


#8

Diethyl Ether
 Concen: 22.066 ug/l
 RT: 2.82 min Scan# 132
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	166.9	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.388 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

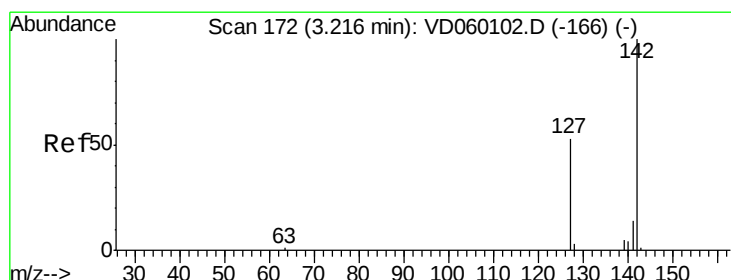
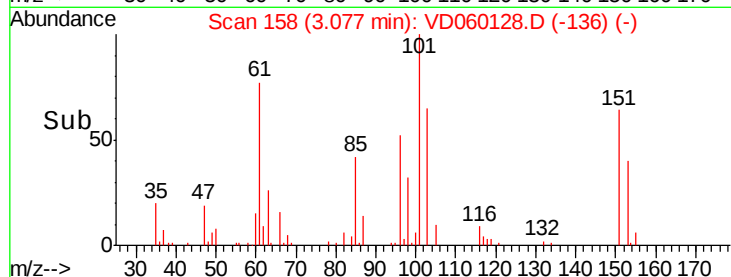
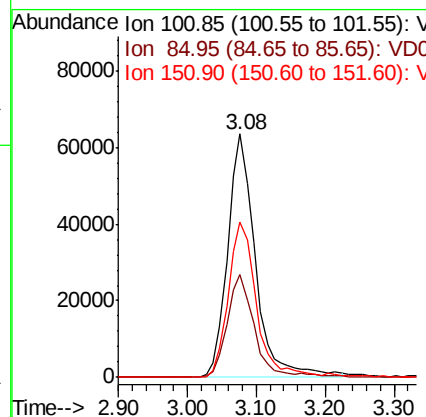
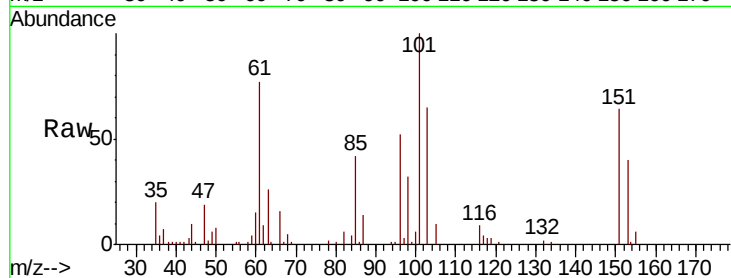
ClientSampleId :

VD1004SBS01

Tot Ion:	101	Resp:	177422
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.4	50.0
151	63.6	48.0	72.0

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#10

Methyl Iodide

Concen: 20.118 ug/l

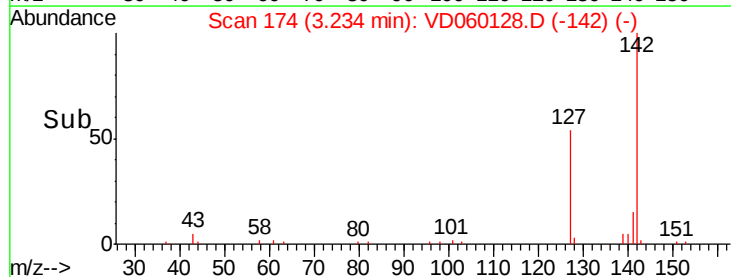
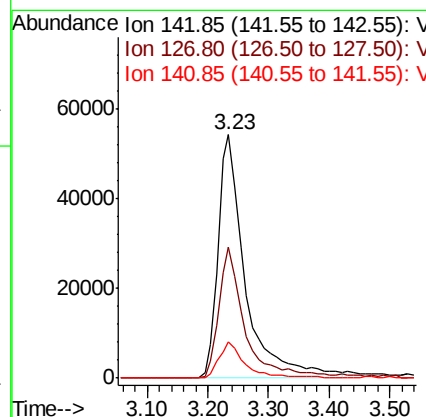
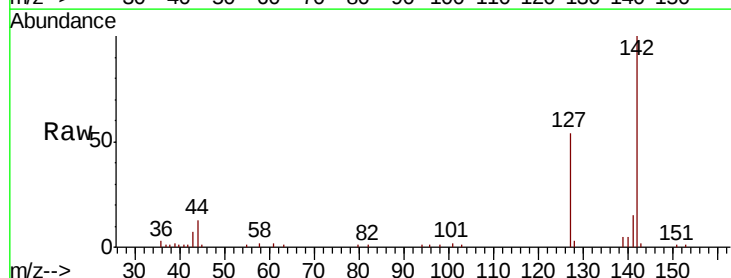
RT: 3.23 min Scan# 174

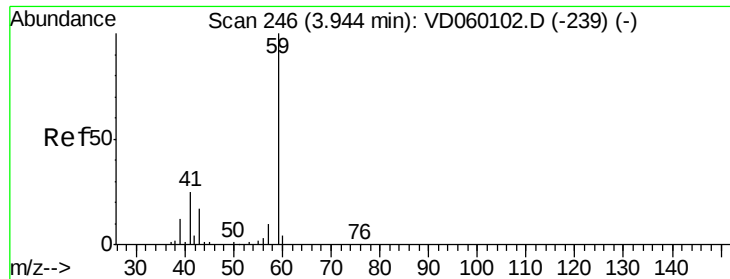
Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Tgt Ion:	142	Resp:	169070
Ion Ratio	Lower	Upper	
142	100		
127	54.0	42.0	63.0
141	15.0	11.4	17.0





#11

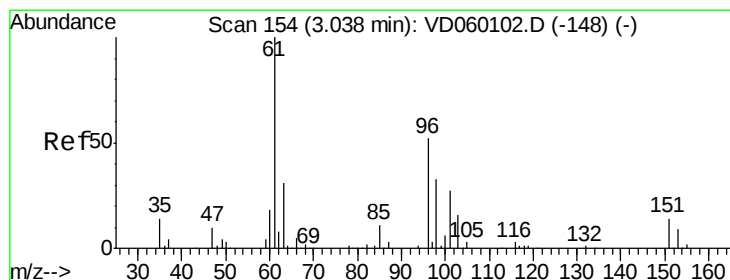
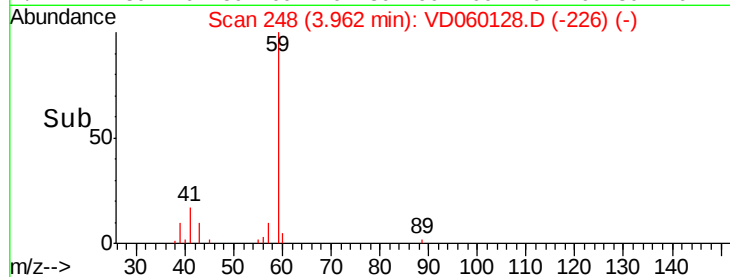
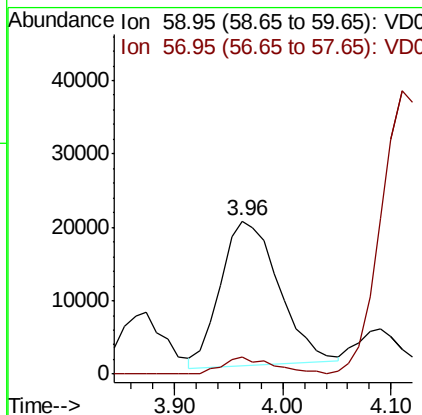
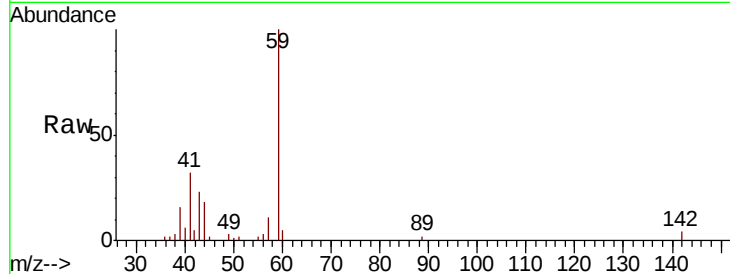
Tert butyl alcohol
 Concen: 88.461 ug/l
 RT: 3.96 min Scan# 248
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Tot Ion	59	Resp	73601
Ion Ratio	100	Lower	Upper
57	11.1	7.8	11.6

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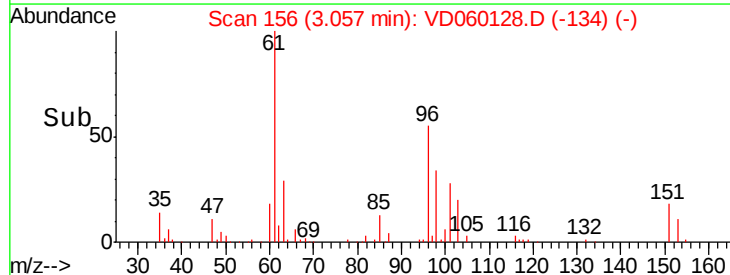
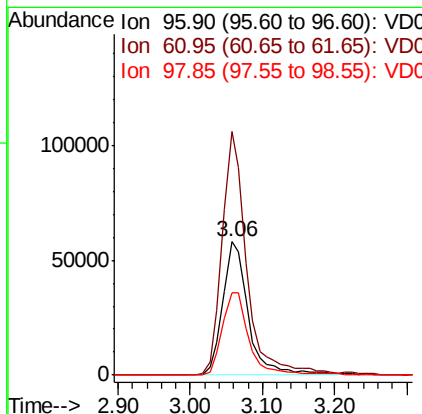
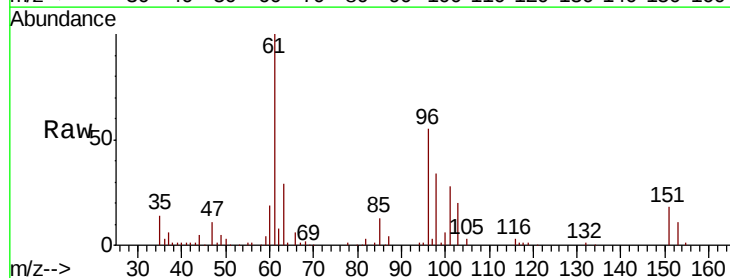
apatel
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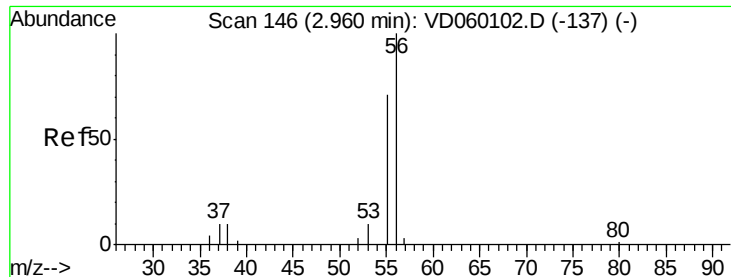


#12

1,1-Dichloroethene
 Concen: 23.002 ug/l
 RT: 3.06 min Scan# 156
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion	96	Resp	143603
Ion Ratio	100	Lower	Upper
61	183.0	153.0	229.4
98	61.6	51.1	76.7





#13

Acrolein

Concen: 97.047 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 56 Resp: 49775

Ion Ratio Lower Upper

56 100

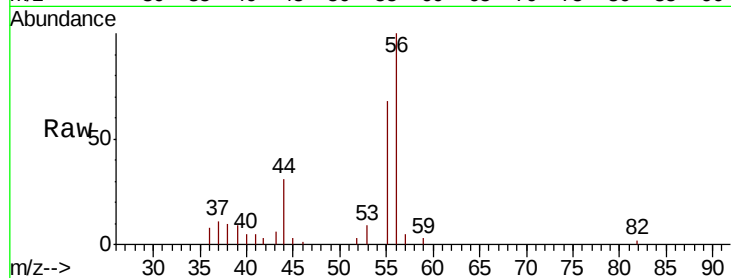
55 68.3 57.4 86.2

Manual Integrations

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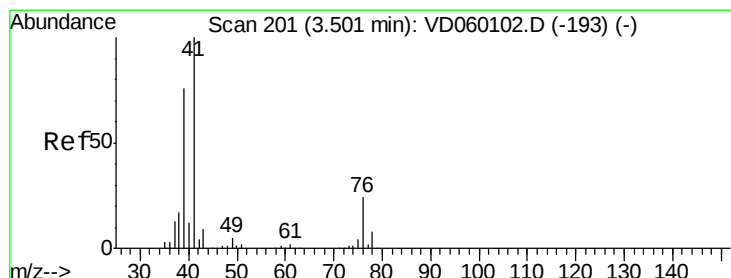
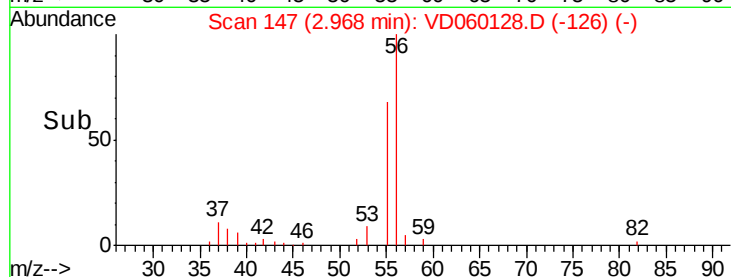
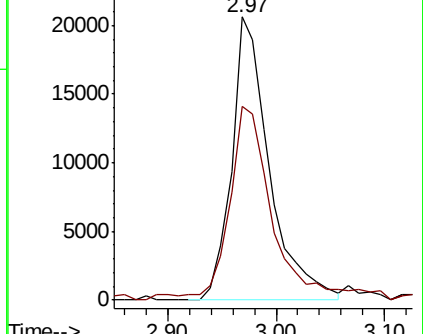
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.912 ug/l

RT: 3.52 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

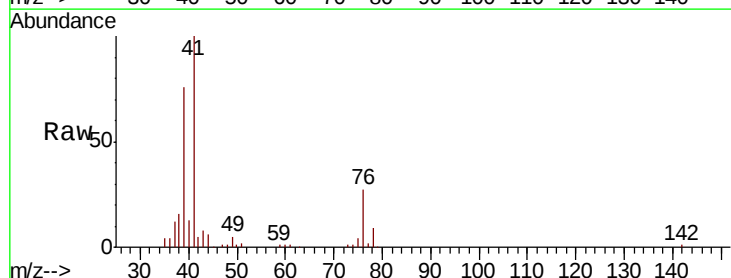
Tgt Ion: 41 Resp: 284126

Ion Ratio Lower Upper

41 100

39 76.2 60.6 90.8

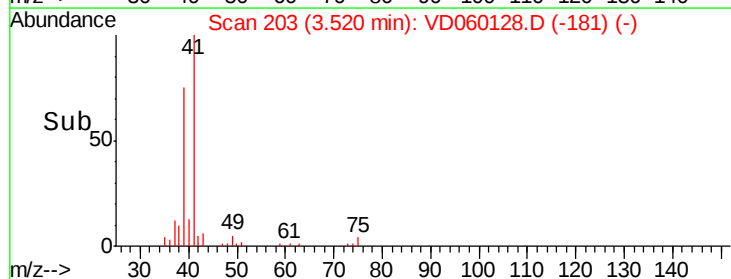
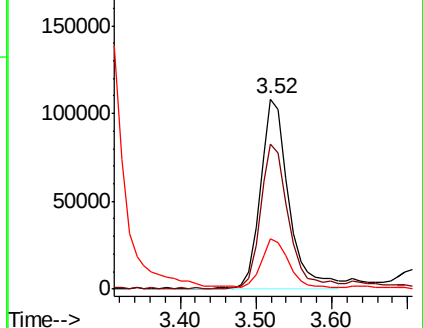
76 26.6 21.3 31.9

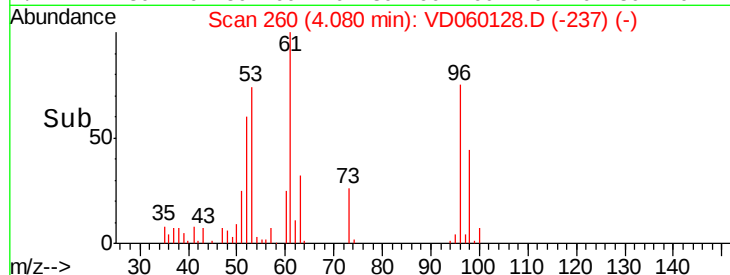
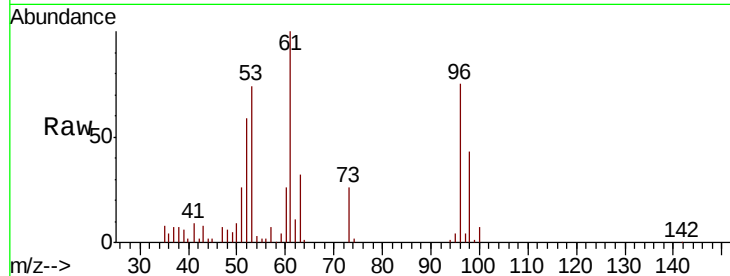
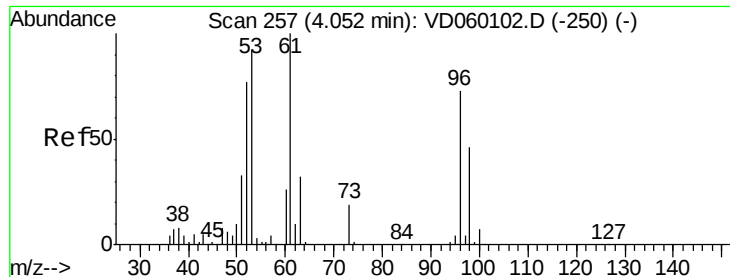


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





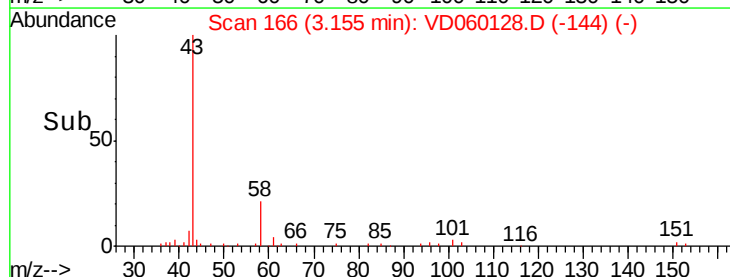
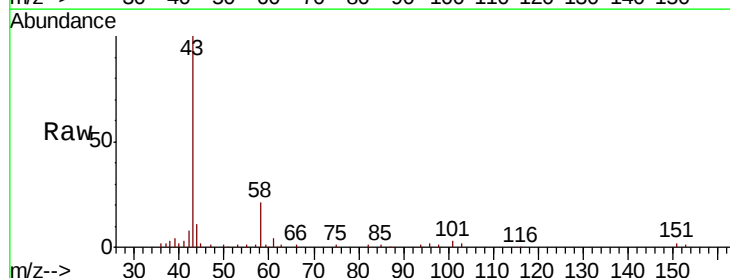
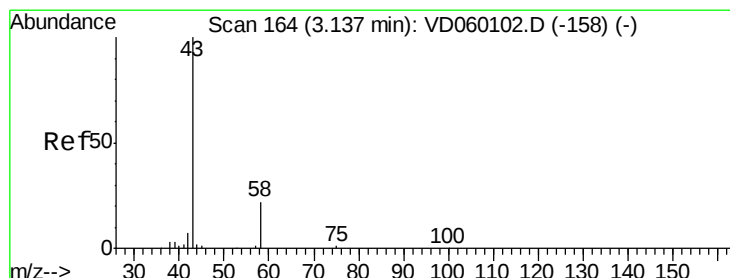
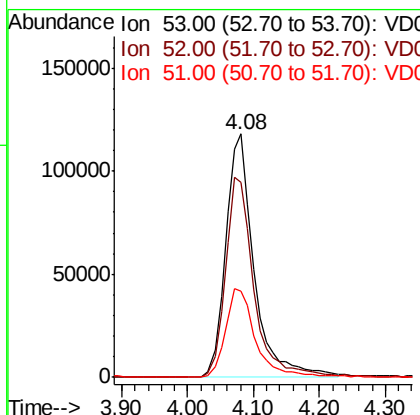
#15
Acrylonitrile
Concen: 103.059 ug/l
RT: 4.08 min Scan# 260
Delta R.T. 0.03 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.3	67.5	101.3
51	35.1	29.3	43.9

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

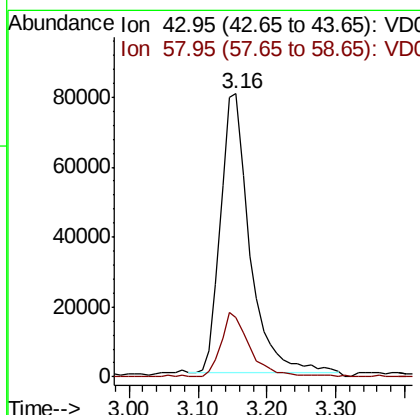
Manual Integrations
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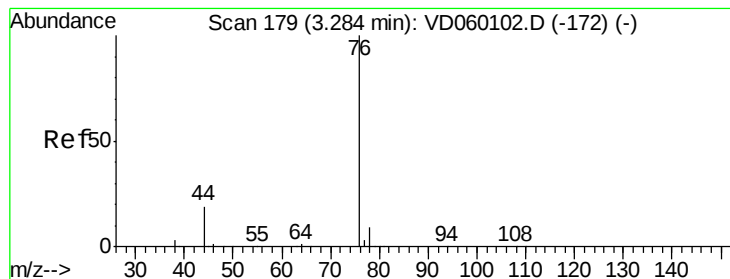
apatel
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#16
Acetone
Concen: 112.329 ug/l
RT: 3.16 min Scan# 166
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	20.8	17.7	26.5





#17

Carbon Disulfide

Concen: 22.184 ug/l

RT: 3.30 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBSD01

Tot Ion: 76 Resp: 465743

Ion Ratio Lower Upper

76 100

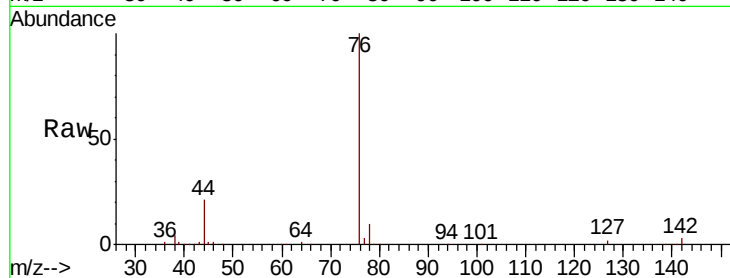
78 9.5 7.4 11.2

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.30

200000

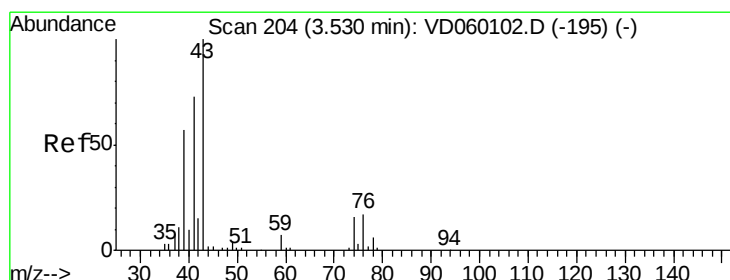
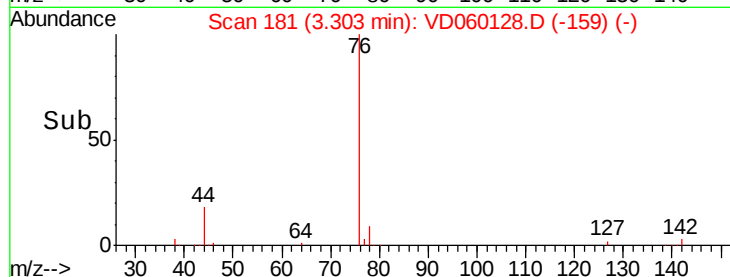
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.359 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.02 min

Lab File: VD060128.D

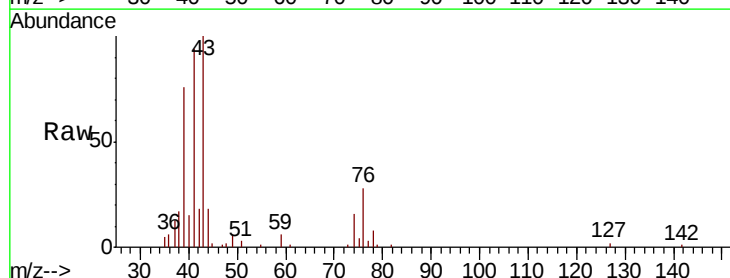
Acq: 4 Oct 2018 13:03

Tgt Ion: 43 Resp: 92112

Ion Ratio Lower Upper

43 100

74 15.8 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.55

40000

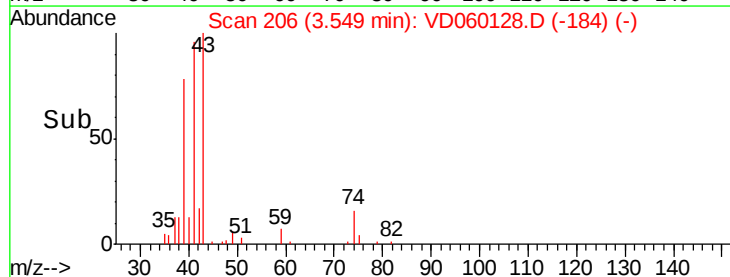
30000

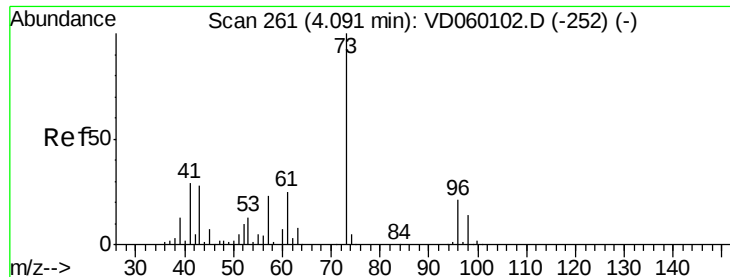
20000

10000

0

Time-->





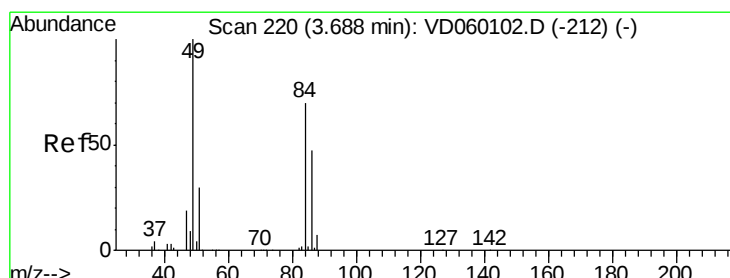
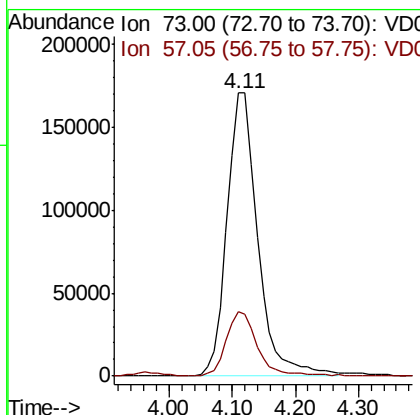
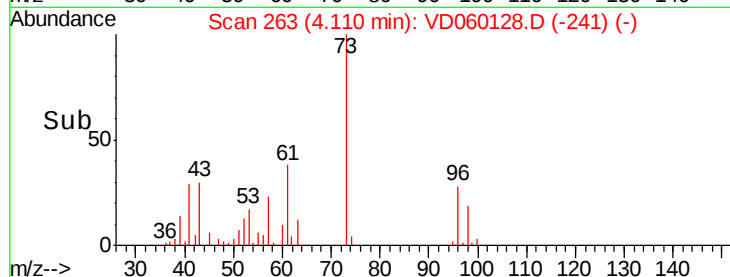
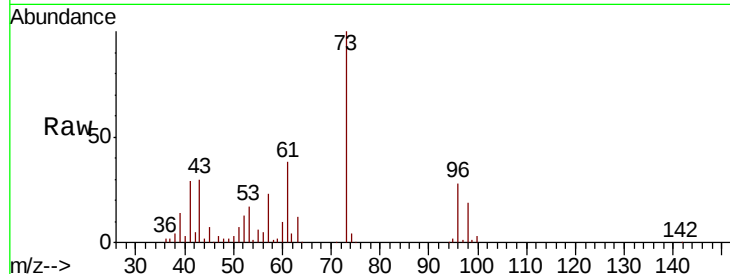
#19
Methyl tert-butyl Ether
Concen: 21.058 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 73 Resp: 578031
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1

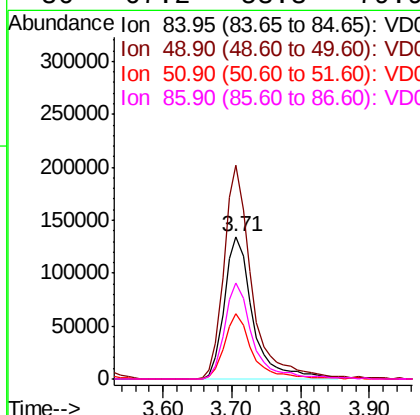
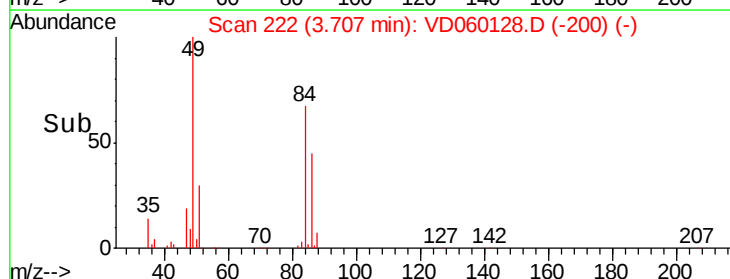
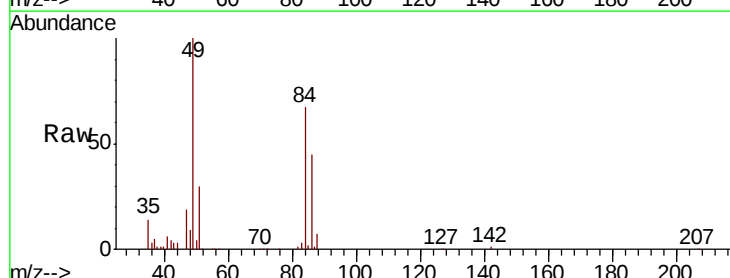
Manual Integrations
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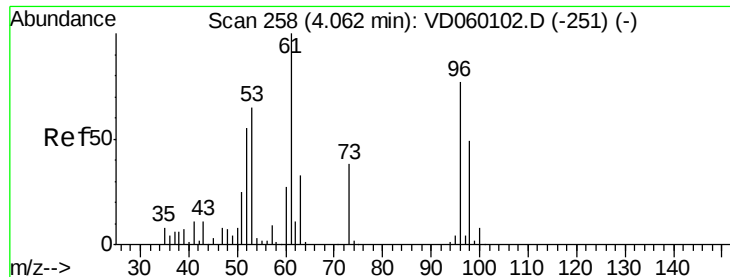
apatel
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#20
Methylene Chloride
Concen: 20.785 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion: 84 Resp: 386036
Ion Ratio Lower Upper
84 100
49 150.3 114.6 172.0
51 45.7 33.8 50.8
86 67.2 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.023 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 96 Resp: 338978

Ion Ratio Lower Upper

96 100

61 132.5 103.3 154.9

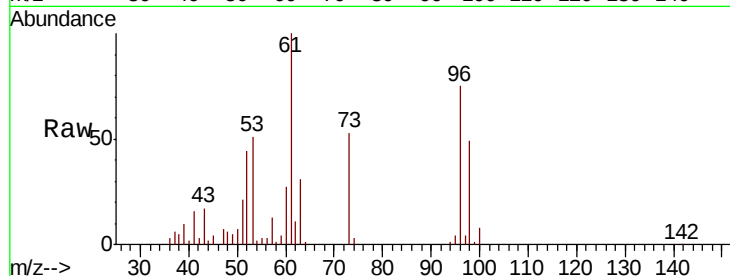
98 64.7 50.4 75.6

Manual Integrations

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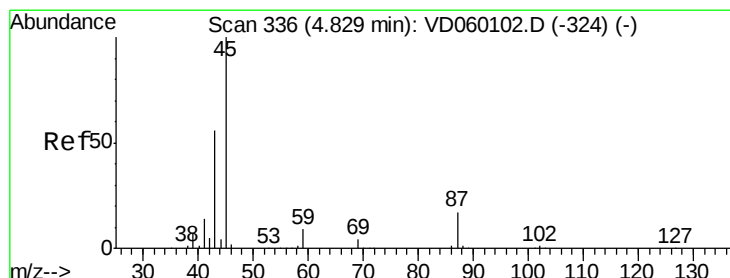
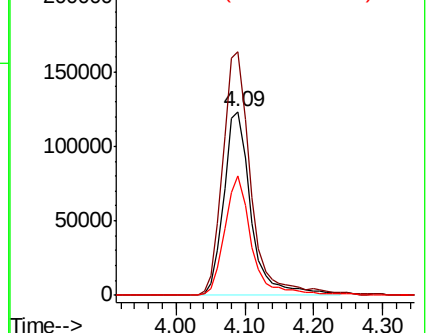
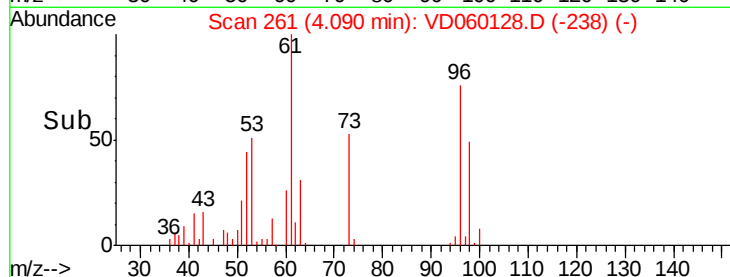
10/5/2018 12:20:21 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.446 ug/l

RT: 4.85 min Scan# 338

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Tgt Ion: 45 Resp: 1241857

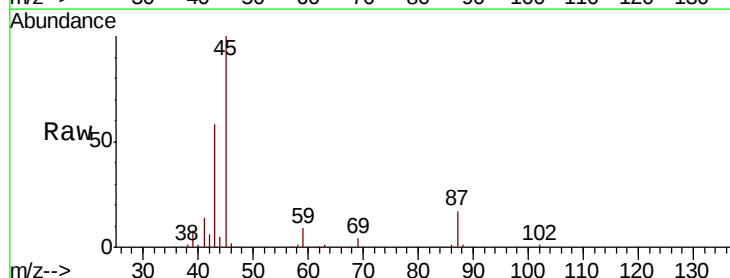
Ion Ratio Lower Upper

45 100

43 58.5 44.8 67.2

87 17.4 13.9 20.9

59 8.5 7.1 10.7

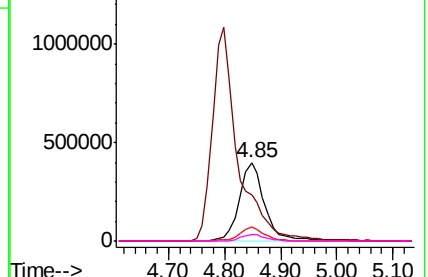
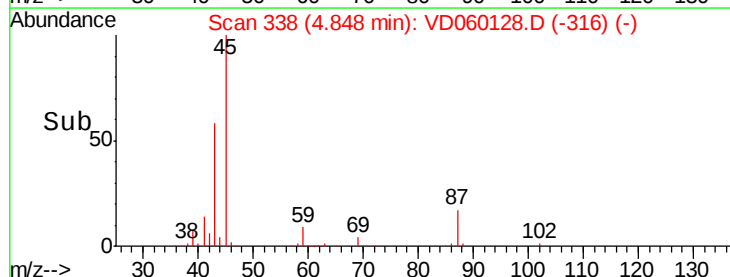


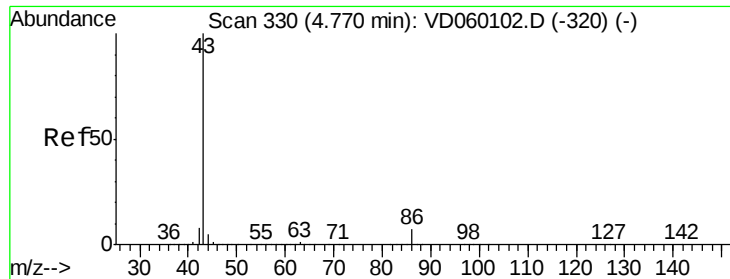
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 105.852 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 3445476

Ion Ratio Lower Upper

43 100

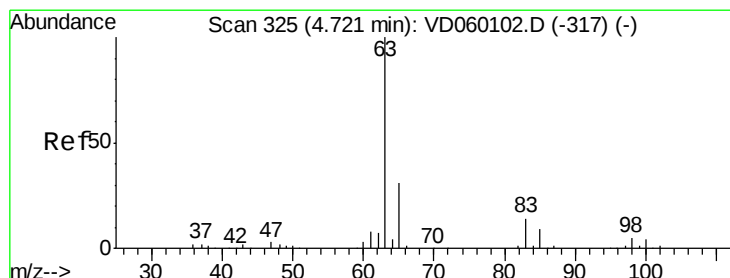
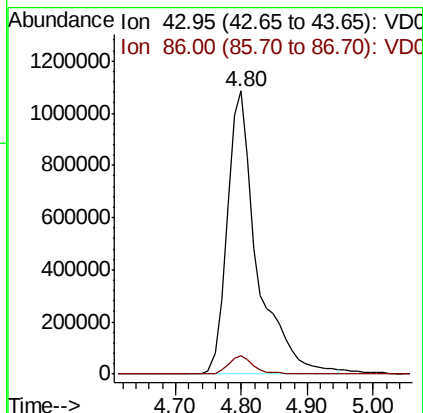
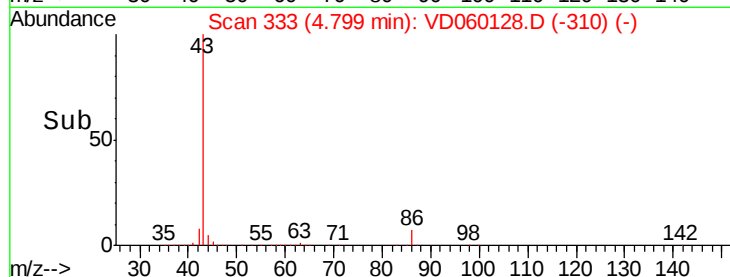
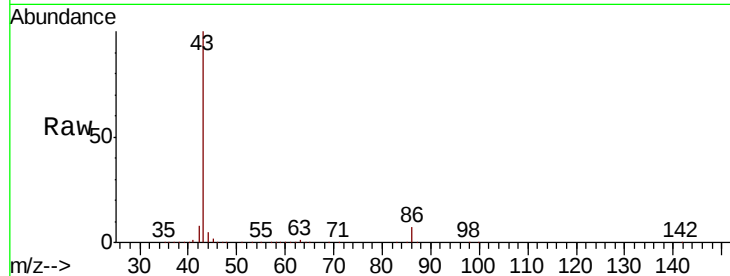
86 6.7 5.6 8.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.216 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

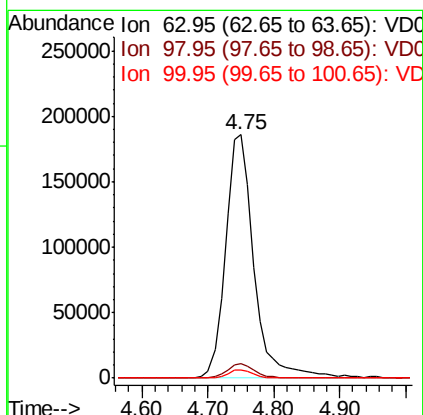
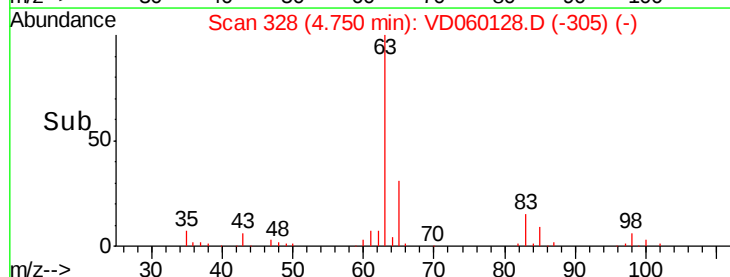
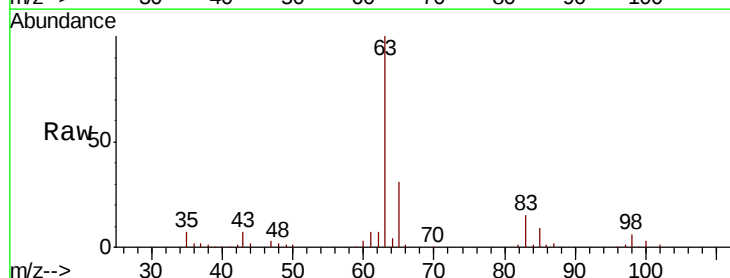
Tgt Ion: 63 Resp: 557043

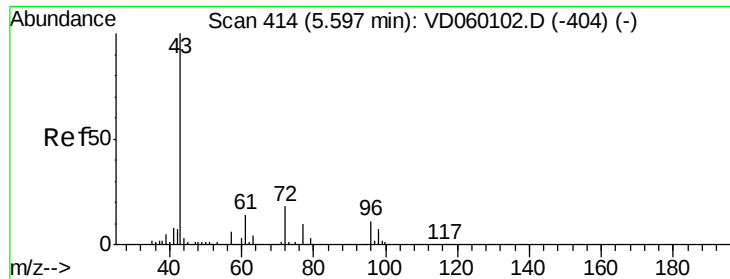
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.3

100 3.2 1.8 5.3





#25

2-Butanone

Concen: 113.223 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 595438

Ion Ratio Lower Upper

43 100

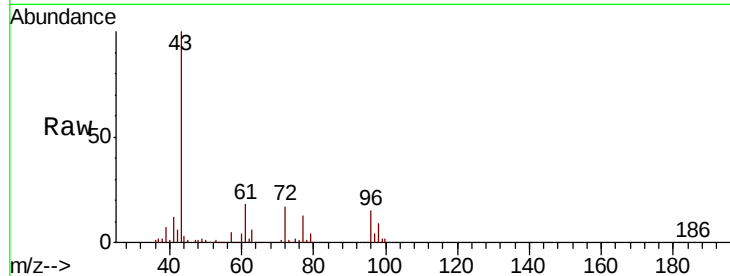
72 17.5 14.5 21.7

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

100000

50000

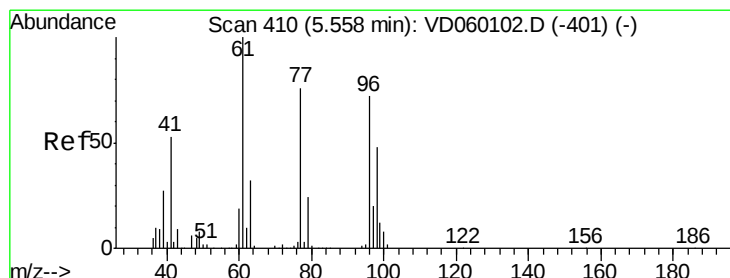
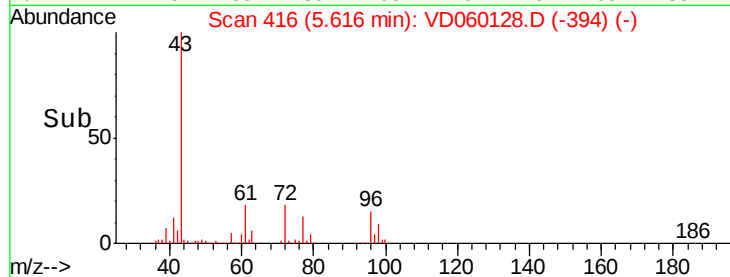
0

5.50

5.60

5.70

Time-->



#26

2,2-Dichloropropane

Concen: 22.462 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.02 min

Lab File: VD060128.D

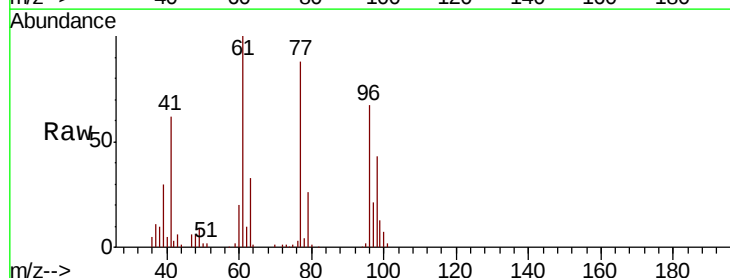
Acq: 4 Oct 2018 13:03

Tgt Ion: 77 Resp: 447089

Ion Ratio Lower Upper

77 100

97 24.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

100000

50000

0

5.40

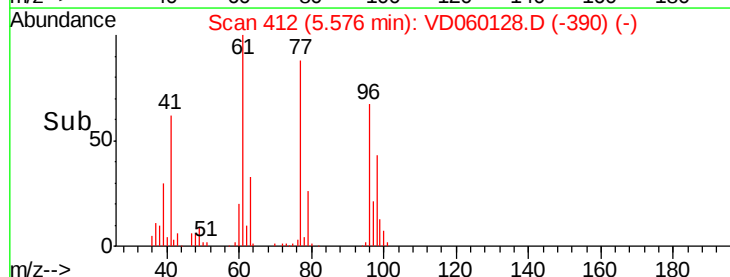
5.50

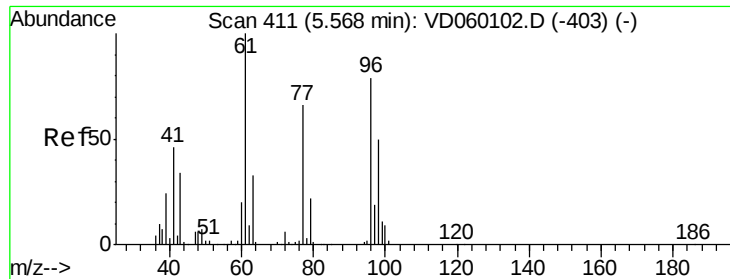
5.60

5.70

5.80

Time-->





#27

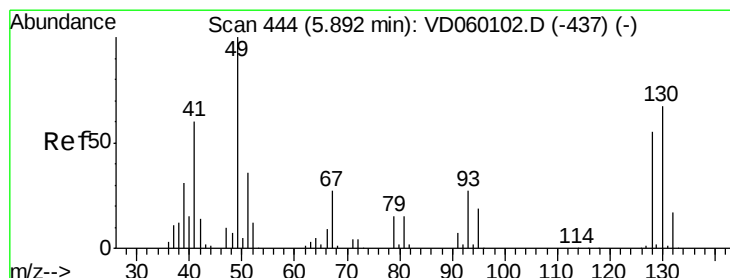
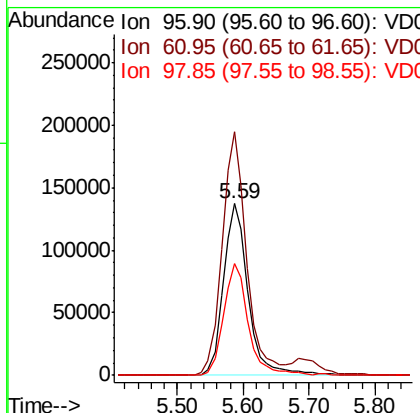
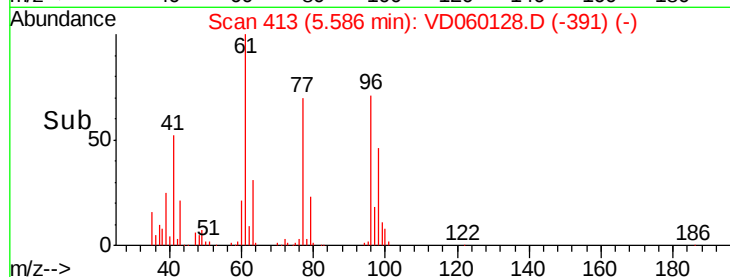
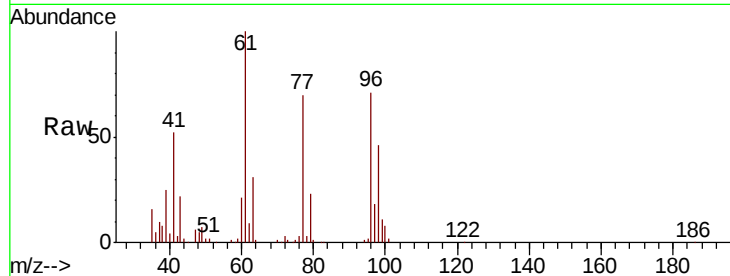
cis-1,2-Dichloroethene
Concen: 21.086 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	251.8
98	65.4	0.0	125.2

Manual Integrations
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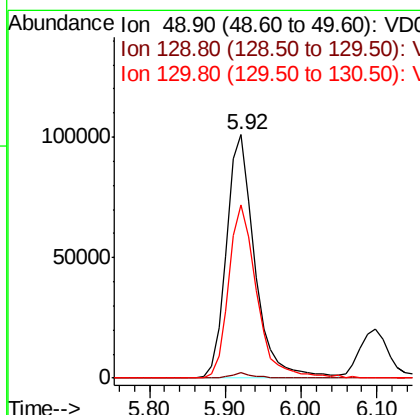
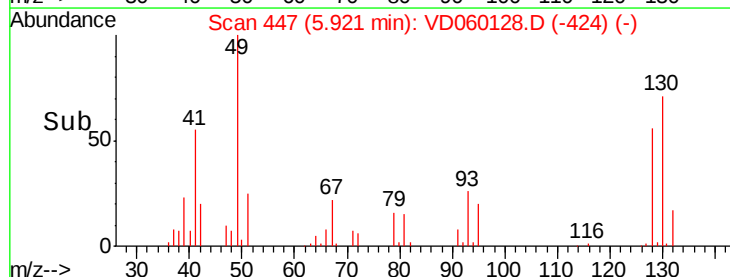
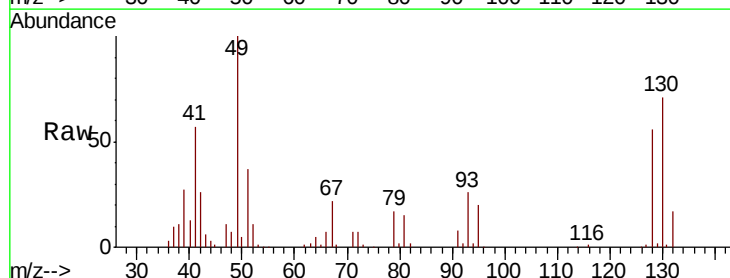
apatel
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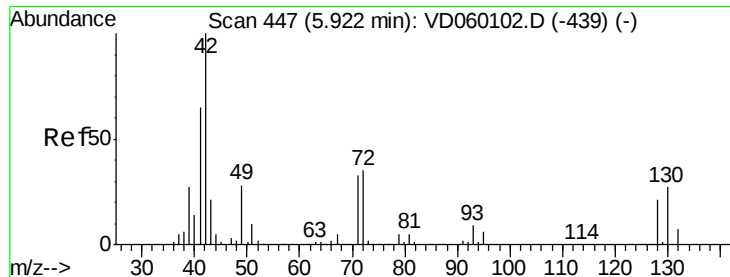


#28

Bromochloromethane
Concen: 20.446 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	71.0	53.9	80.9





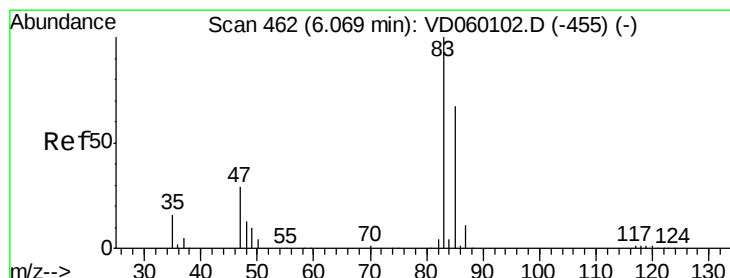
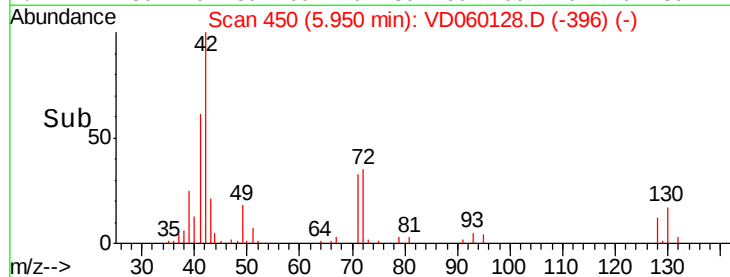
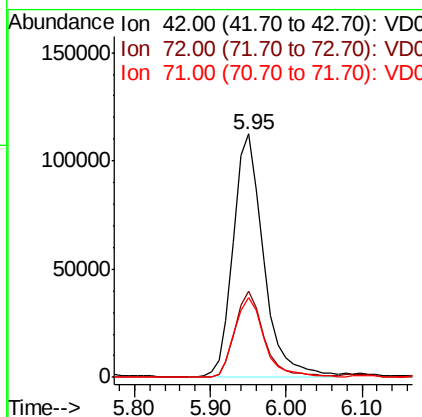
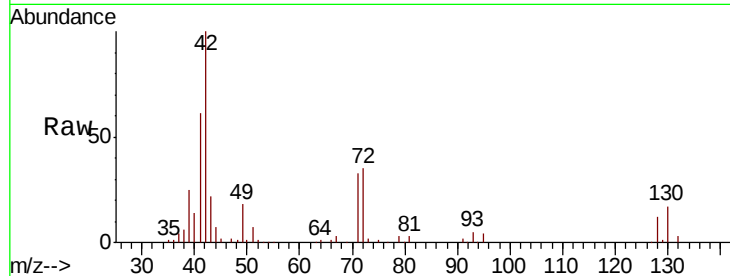
#29
Tetrahydrofuran
Concen: 102.908 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.5	26.9	40.3
71	32.2	26.7	40.1

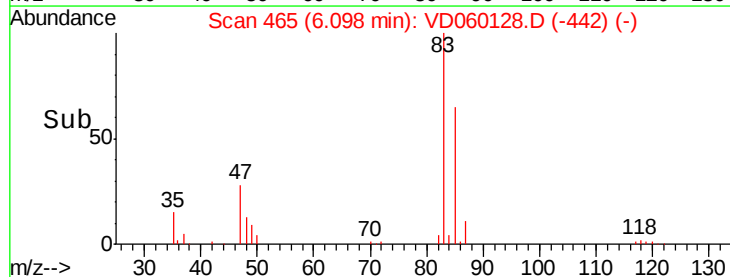
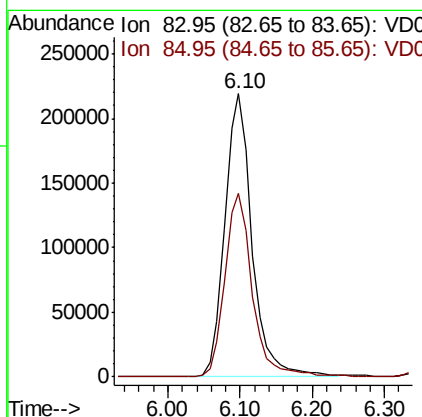
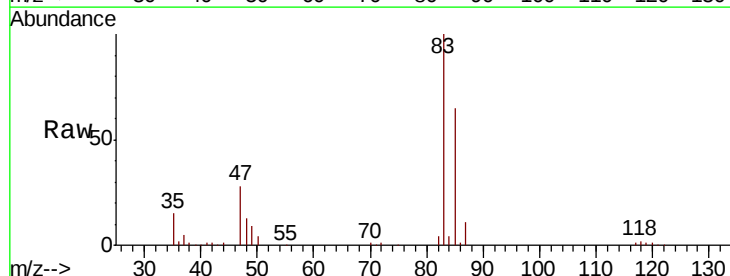
Manual Integrations
APPROVED

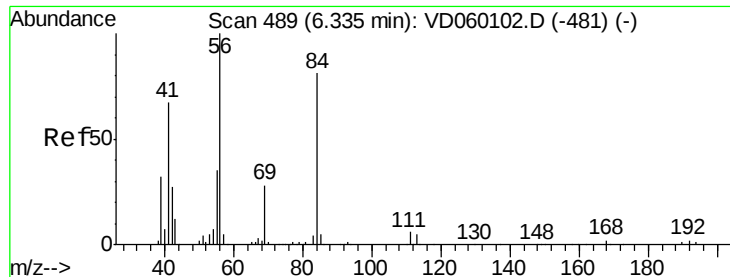
apatel
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#30
Chloroform
Concen: 21.591 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.8	80.8





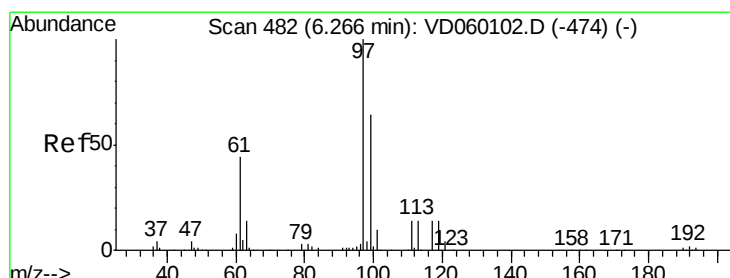
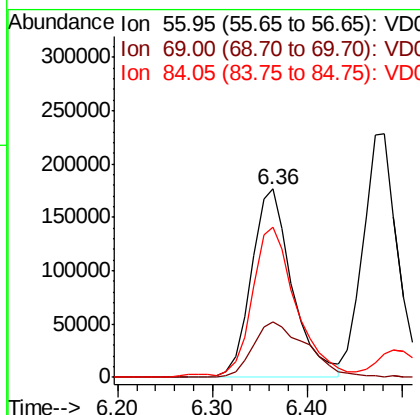
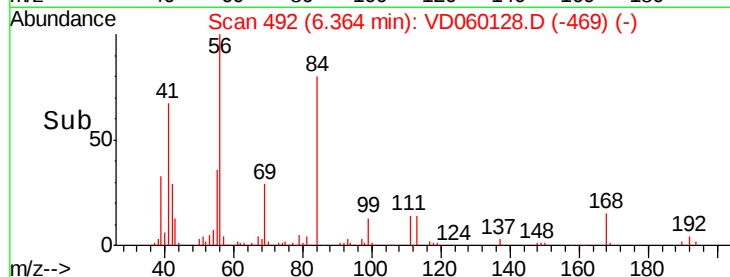
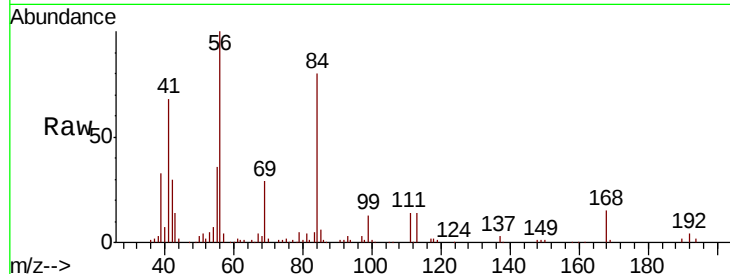
#31
Cvclohexane
Concen: 21.031 ug/l
RT: 6.36 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	22.8	34.2
84	80.1	64.9	97.3

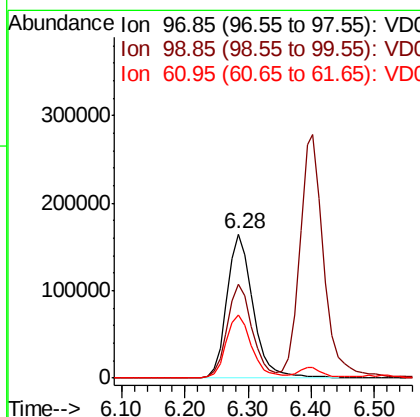
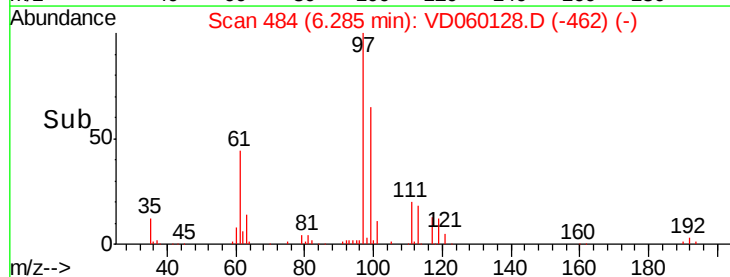
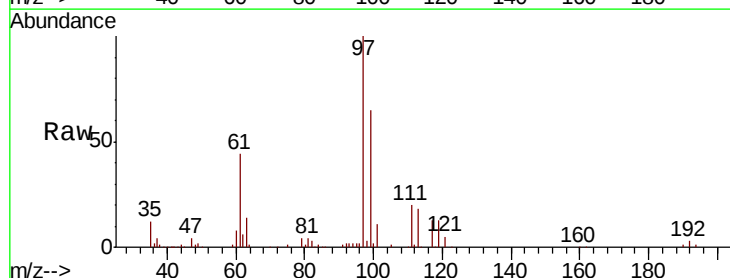
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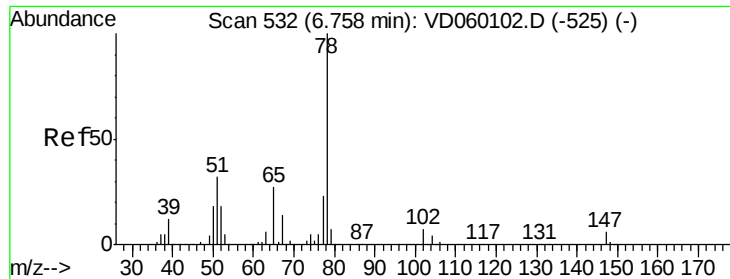
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#32
1,1,1-Trichloroethane
Concen: 21.587 ug/l
RT: 6.28 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	44.0	35.5	53.3





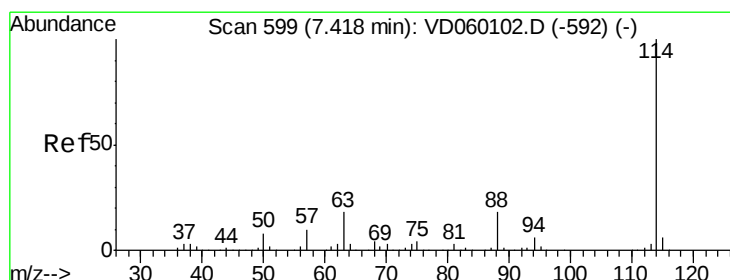
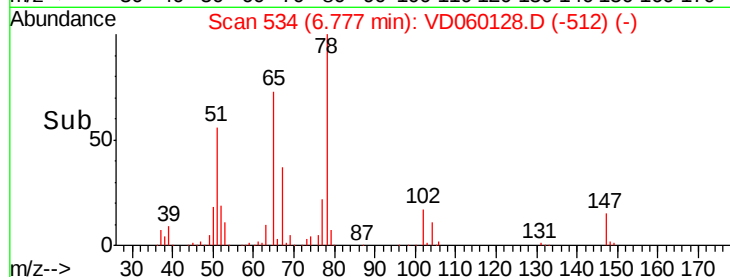
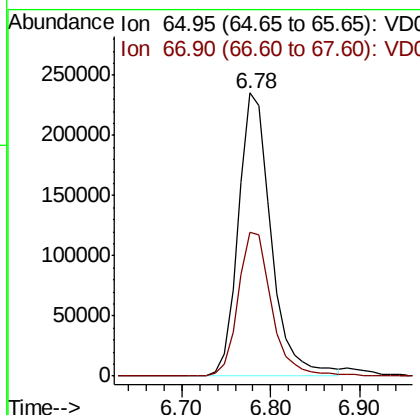
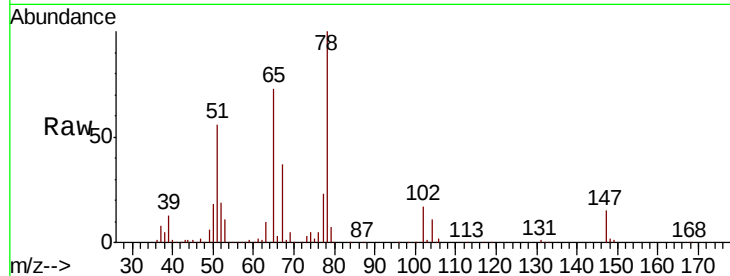
#33
 1,2-Dichloroethane-d4
 Concen: 21.587 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Tot Ion: 65 Resp: 599683
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 106.2

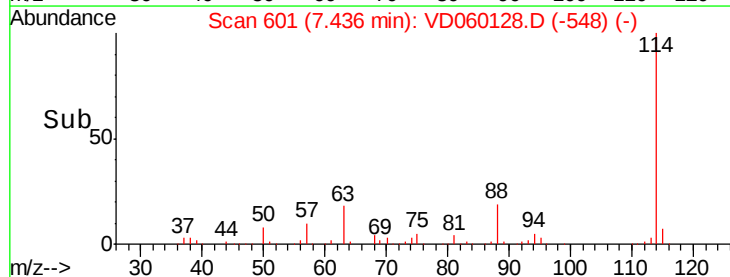
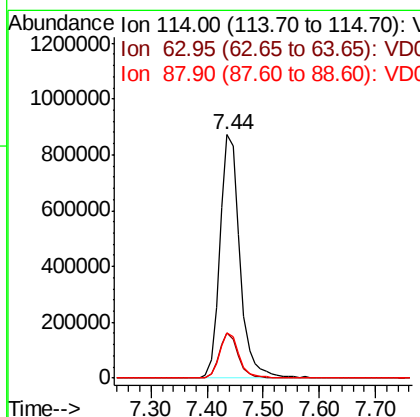
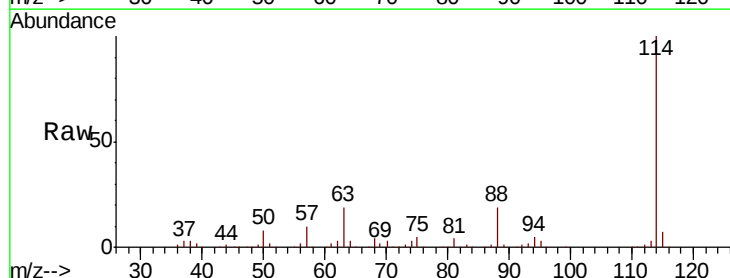
Manual Integrations
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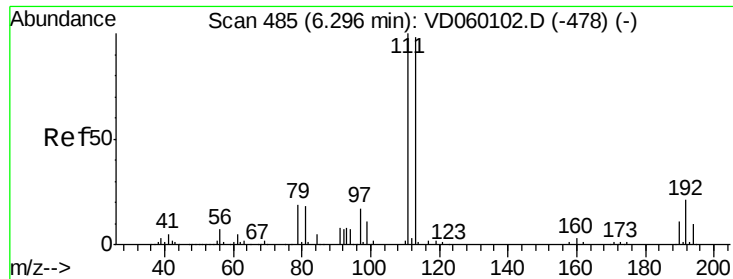
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion: 114 Resp: 2156766
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.0
 88 18.8 0.0 36.2





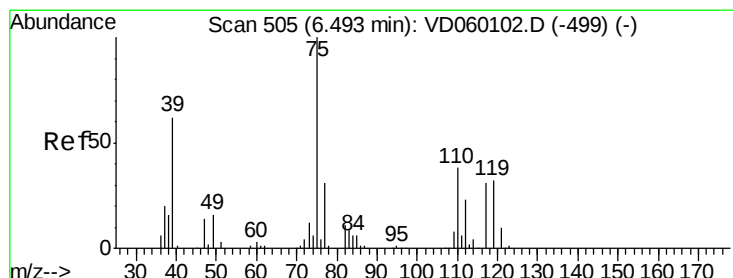
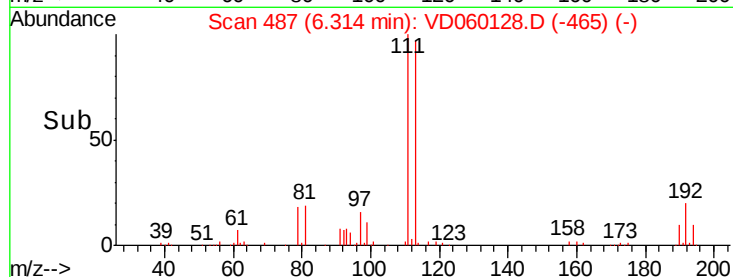
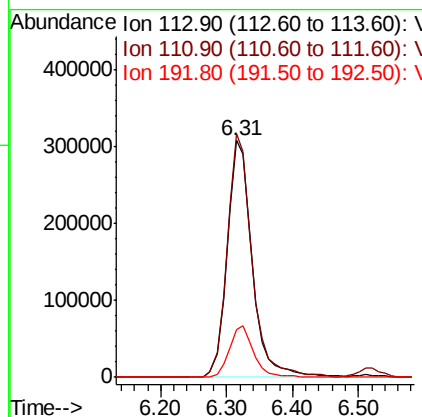
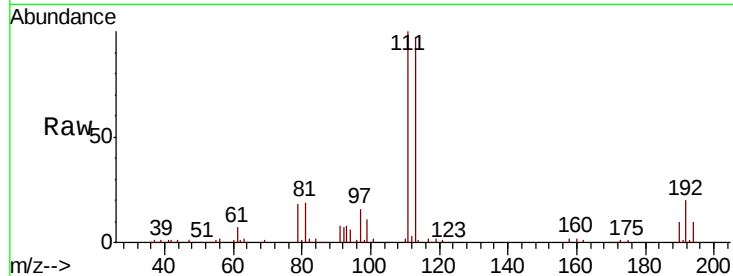
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.5	122.3	
192	20.2	17.4	26.0	

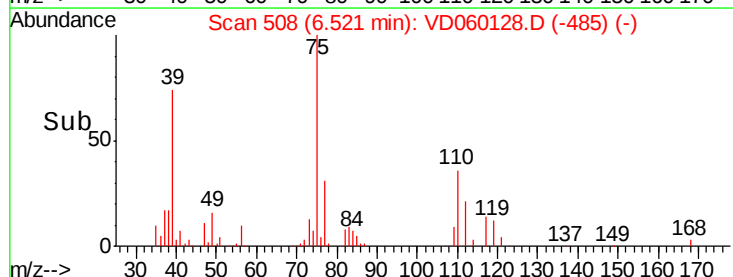
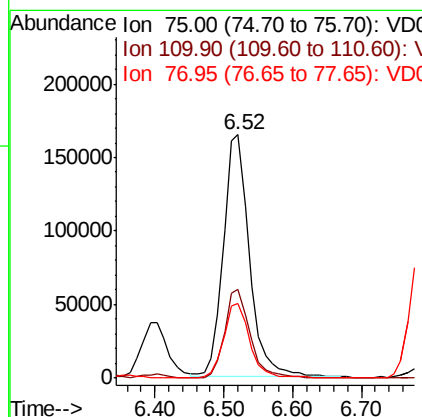
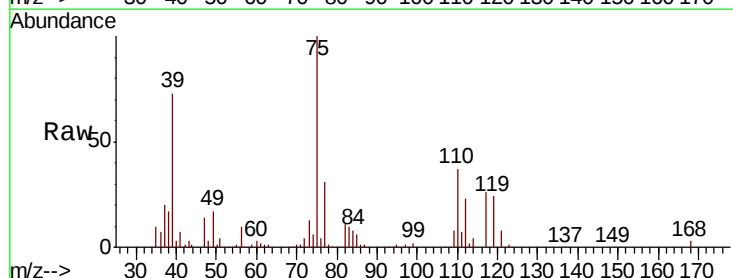
Manual Integrations
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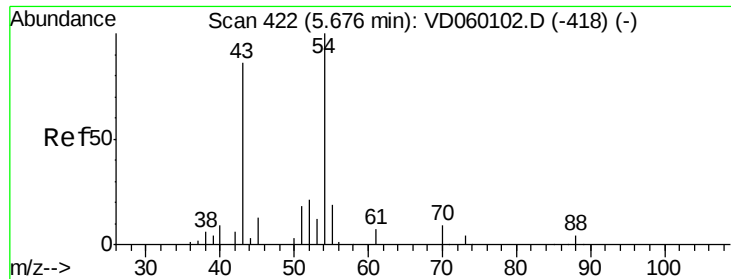
apatel
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#36
 1,1-Dichloropropene
 Concen: 21.020 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	19.0	57.0	
77	30.9	24.9	37.3	





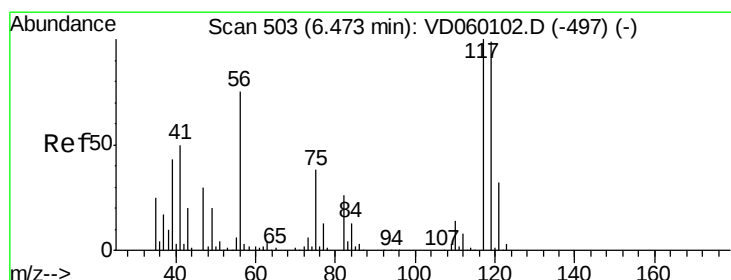
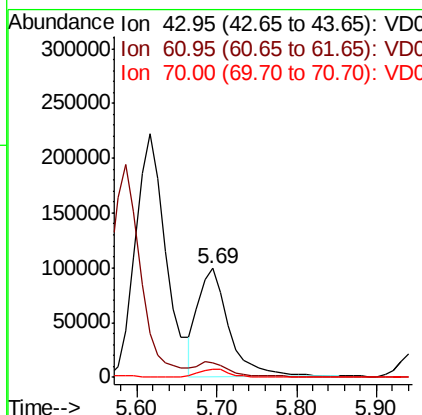
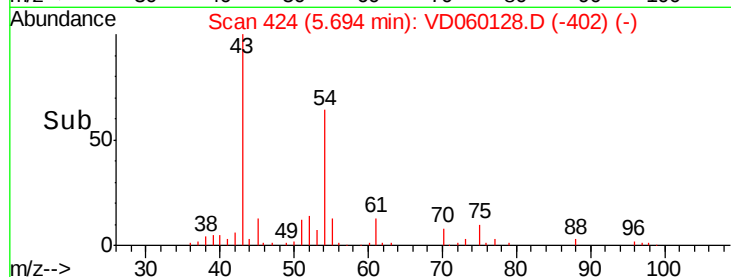
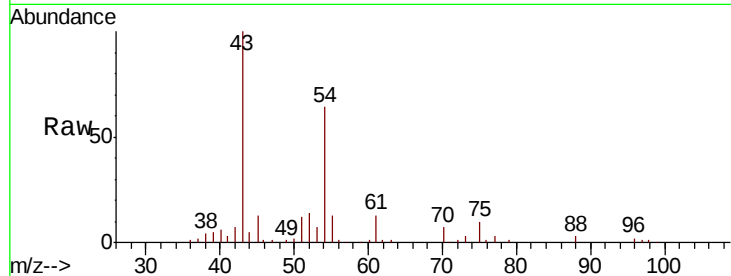
#37
Ethyl Acetate
Concen: 19.147 ug/l
RT: 5.69 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	7.5	6.3	9.5

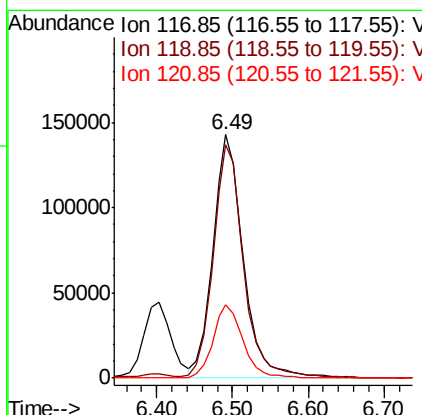
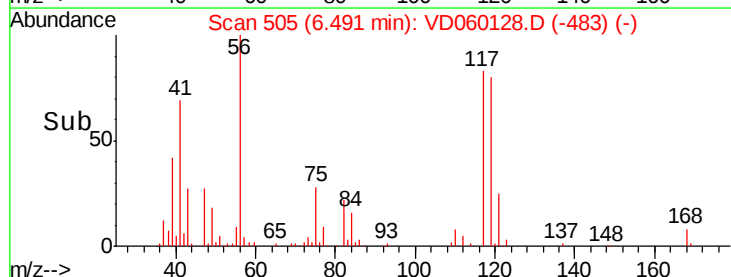
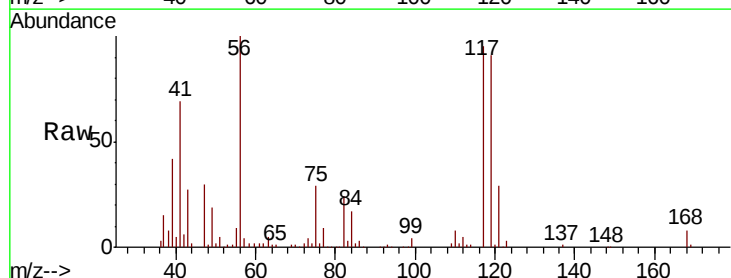
Manual Integrations
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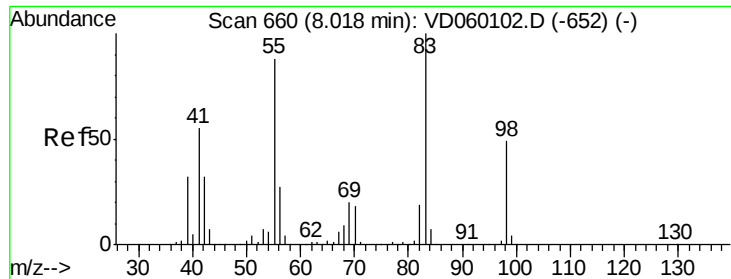
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#38
Carbon Tetrachloride
Concen: 20.946 ug/l
RT: 6.49 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.6
121	30.2	24.8	37.2





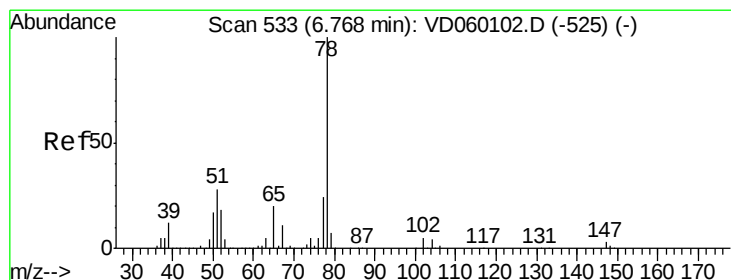
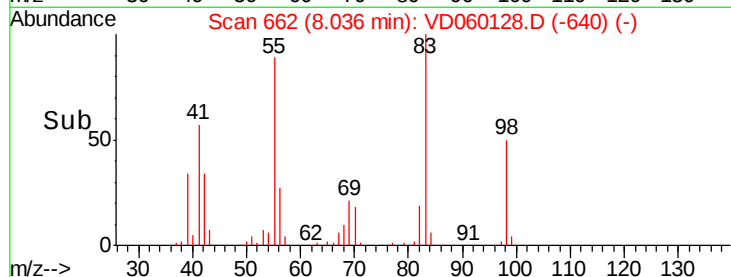
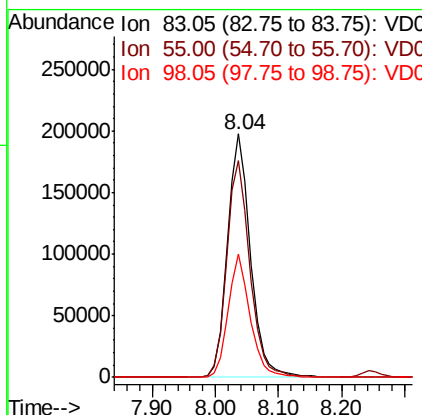
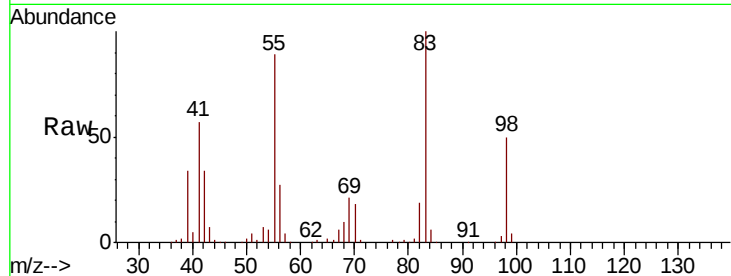
#39
Methvlcvclohexane
Concen: 21.256 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.2	70.5	105.7
98	50.4	39.4	59.2

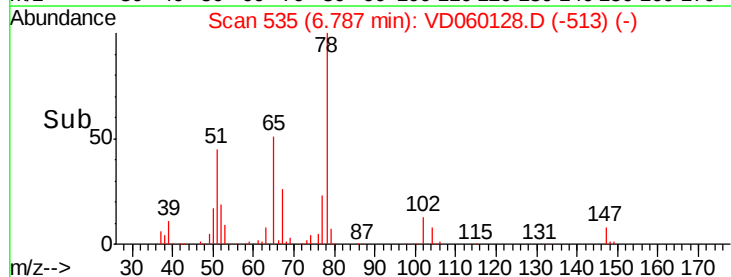
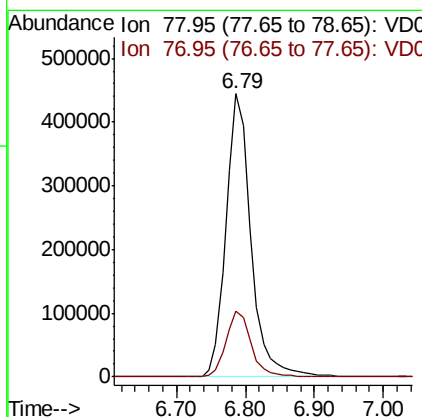
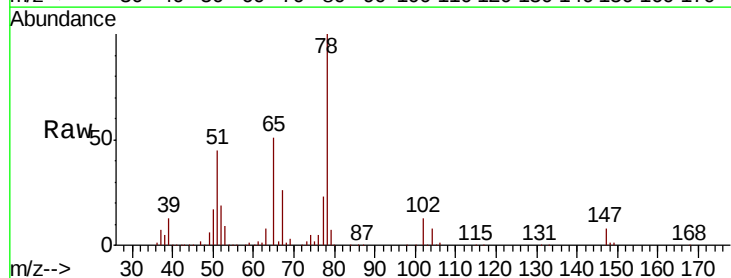
Manual Integrations
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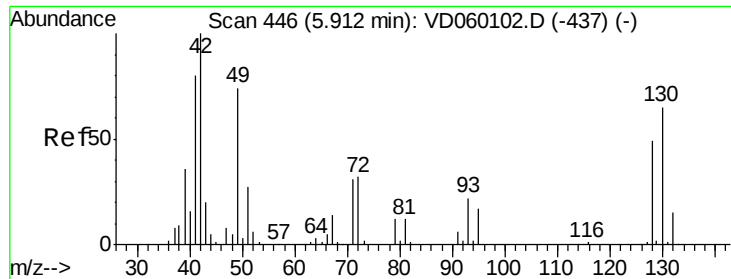
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#40
Benzene
Concen: 20.711 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





#41

Methacrylonitrile

Concen: 19.840 ug/l m

RT: 5.93 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 41 Resp: 153406

Ion Ratio Lower Upper

41 100

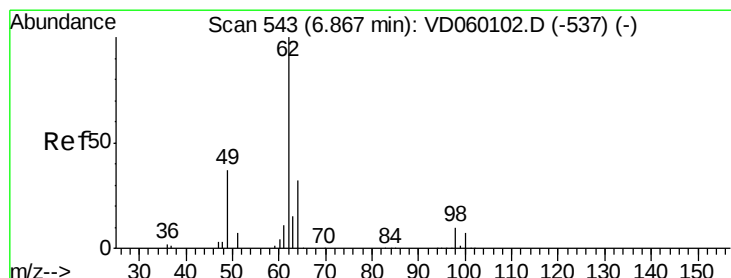
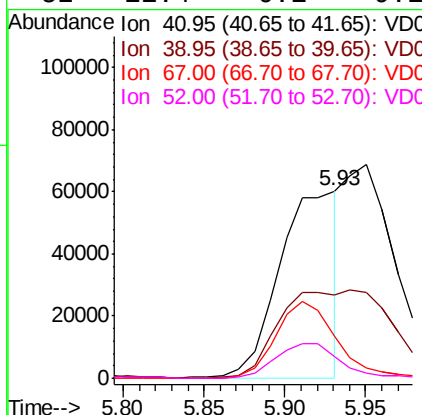
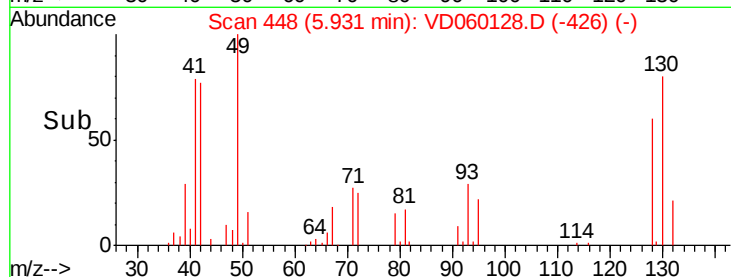
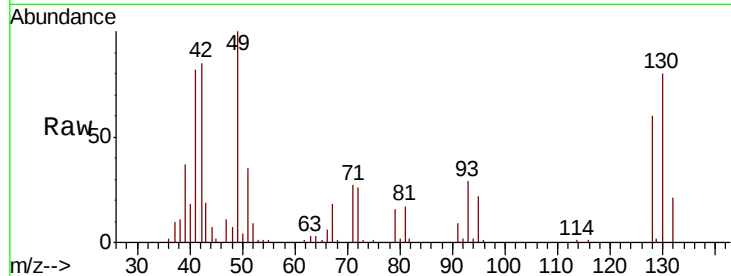
39 44.8 36.0 54.0

67 22.6 13.9 20.9#

52 11.4 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.983 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060128.D

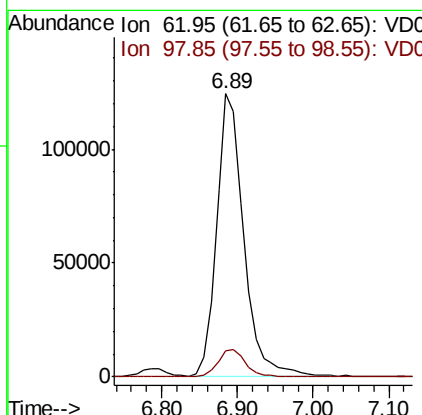
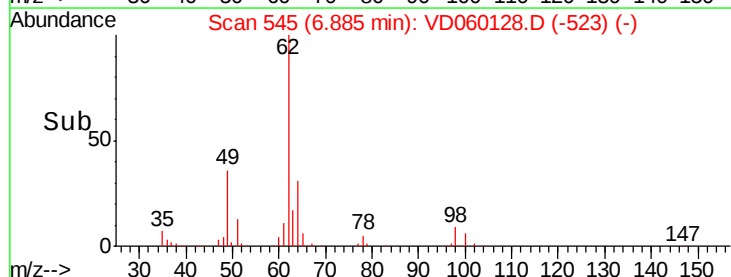
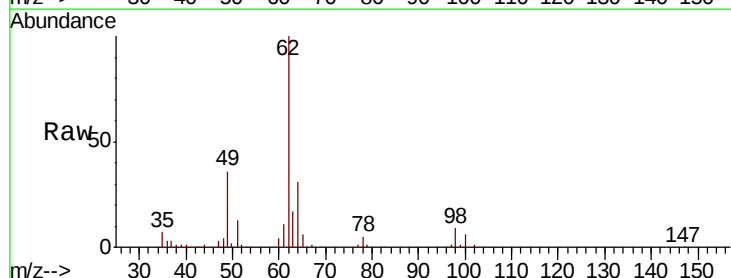
Acq: 4 Oct 2018 13:03

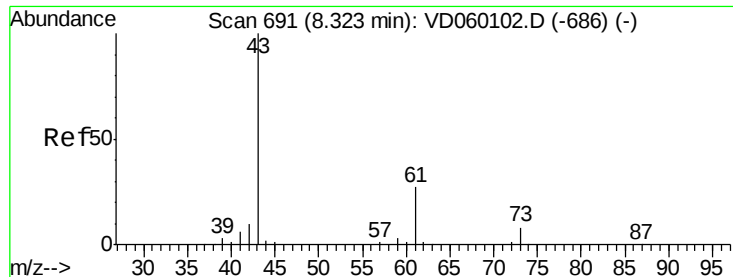
Tgt Ion: 62 Resp: 308897

Ion Ratio Lower Upper

62 100

98 9.4 0.0 20.6





#43

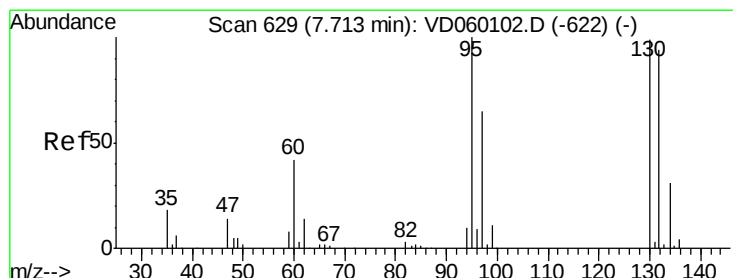
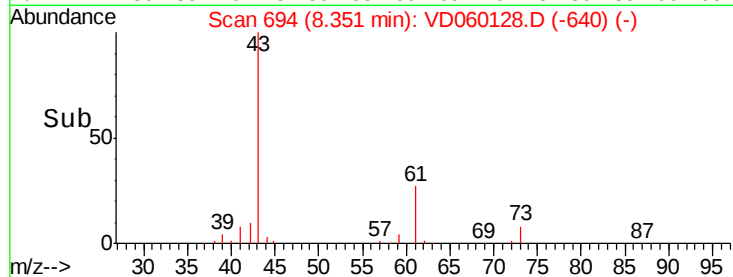
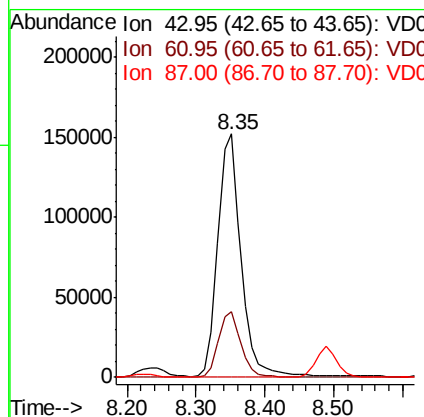
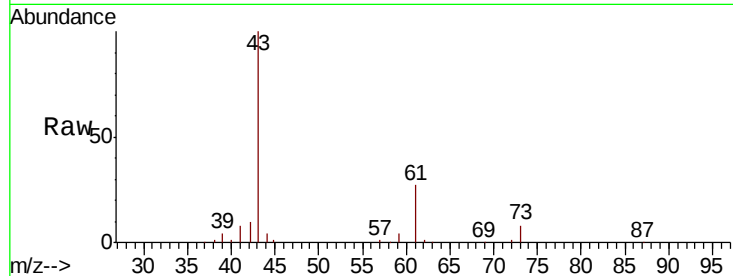
Isopropyl Acetate
 Concen: 19.565 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.2
87	0.3	0.2	0.2#

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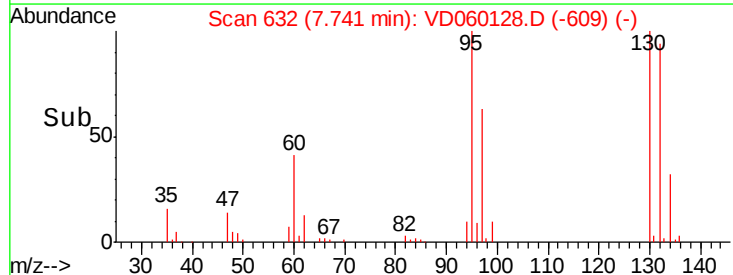
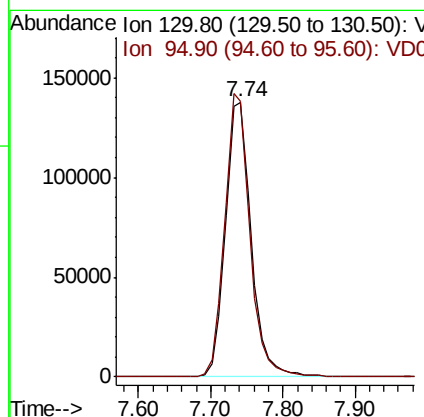
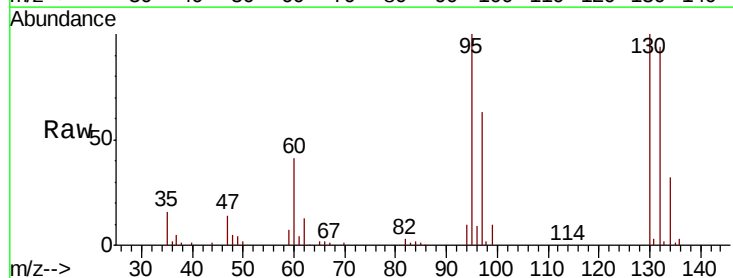
apatel
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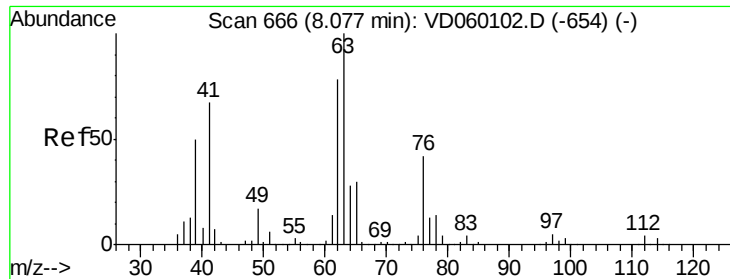


#44

Trichloroethene
 Concen: 20.418 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	202.2





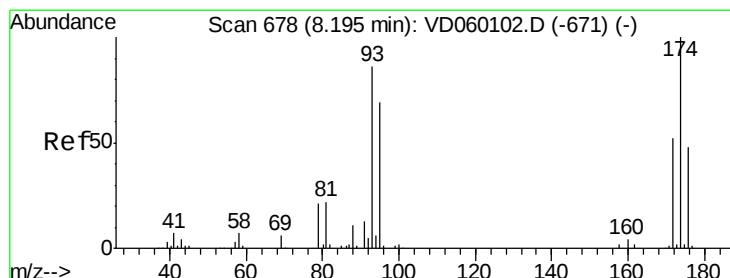
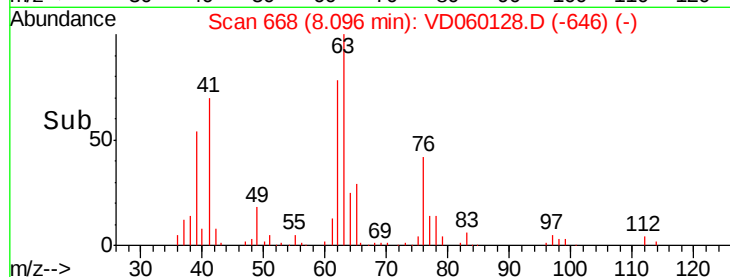
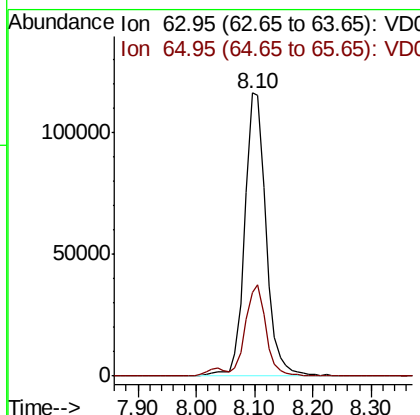
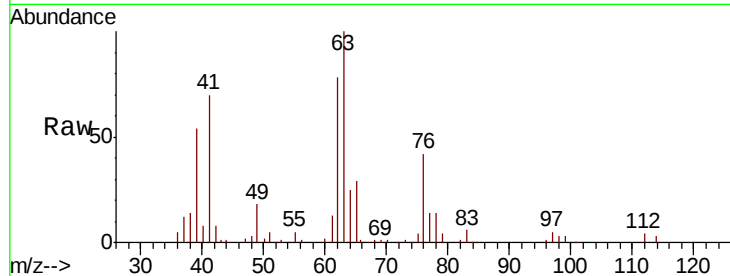
#45
 1,2-Dichloropropane
 Concen: 21.041 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Tot Ion: 63 Resp: 297061
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.1 36.1

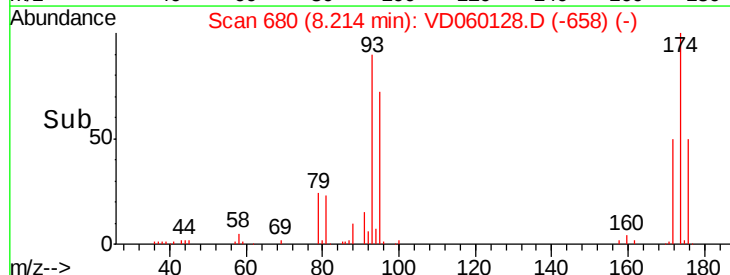
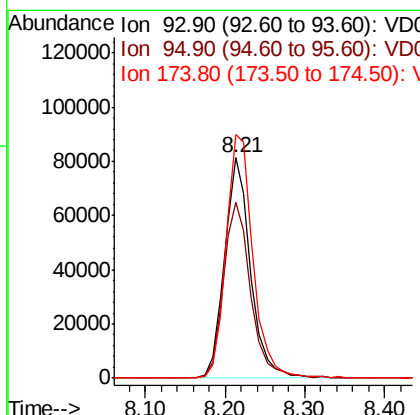
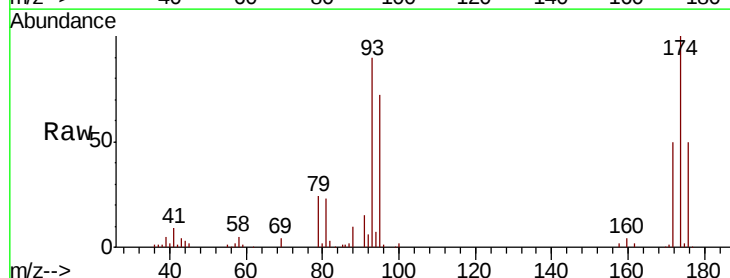
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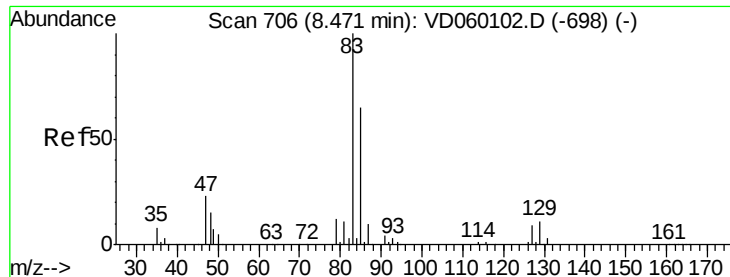
apatel
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#46
 Dibromomethane
 Concen: 20.307 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion: 93 Resp: 185617
 Ion Ratio Lower Upper
 93 100
 95 80.1 63.8 95.6
 174 110.6 92.9 139.3





#47

Bromodichloromethane

Concen: 21.056 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

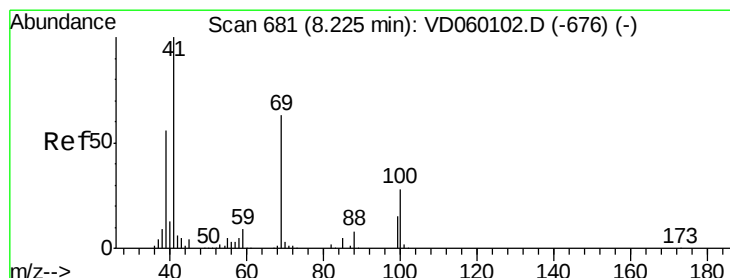
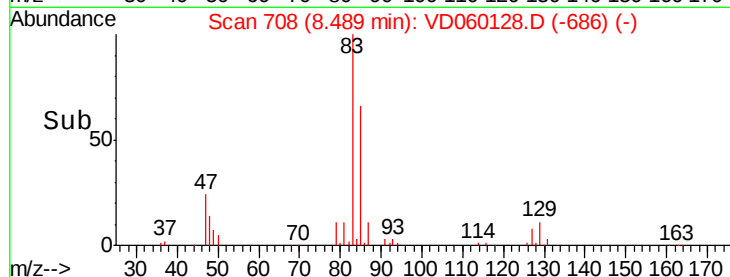
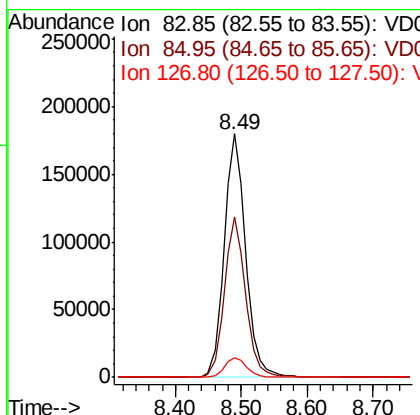
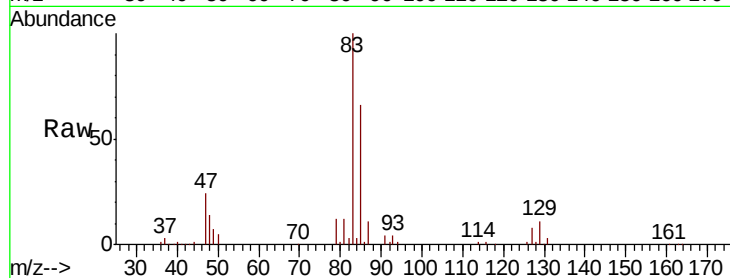
ClientSampleId :

VD1004SBSD01

Tot Ion:	83	Resp:	410075
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.2	78.2
127	8.1	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.047 ug/l

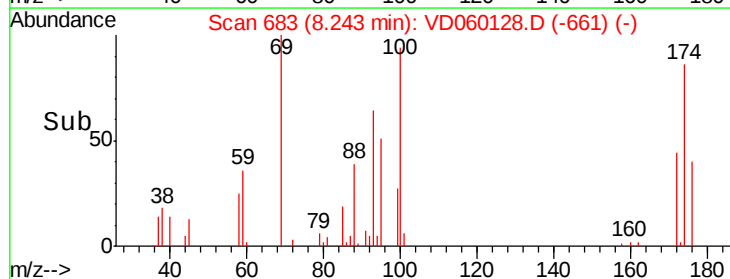
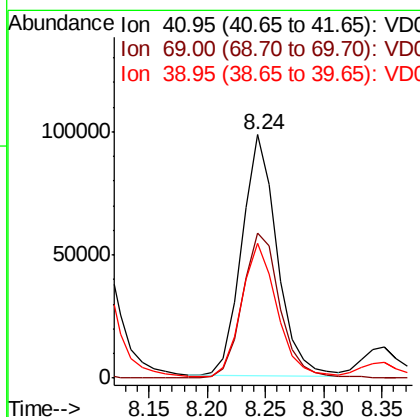
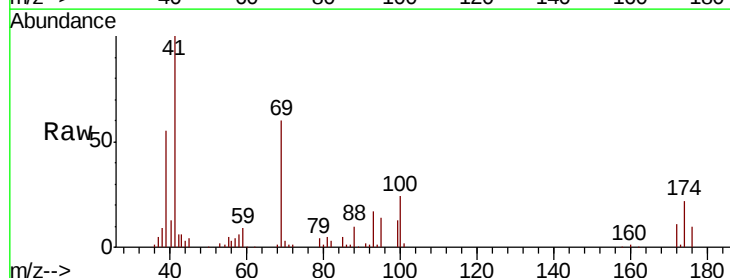
RT: 8.24 min Scan# 683

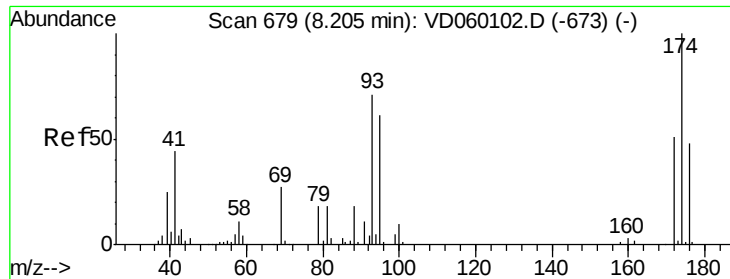
Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Tgt Ion:	41	Resp:	205512
Ion Ratio	Lower	Upper	
41	100		
69	59.8	49.7	74.5
39	55.4	45.2	67.8





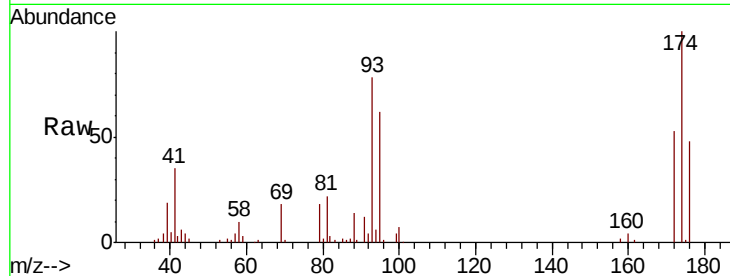
#49
1,4-Dioxane
Concen: 390.321 ug/l
RT: 8.22 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.1	33.7	50.5
58	69.6	49.1	73.7

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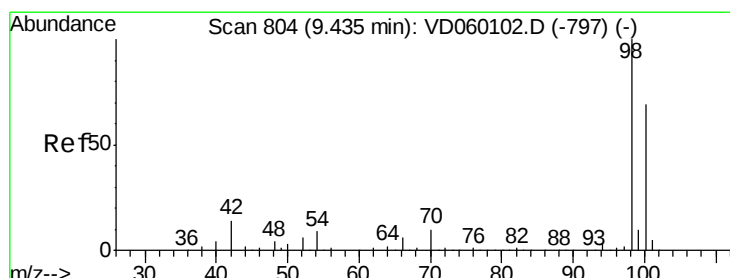
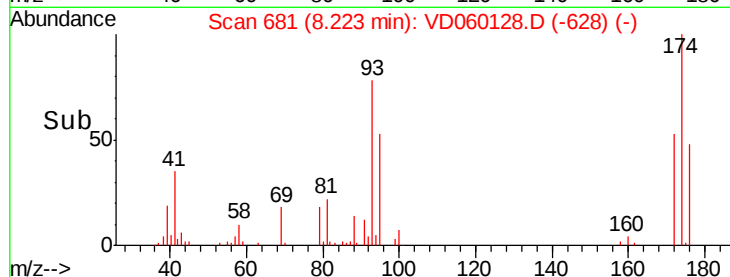
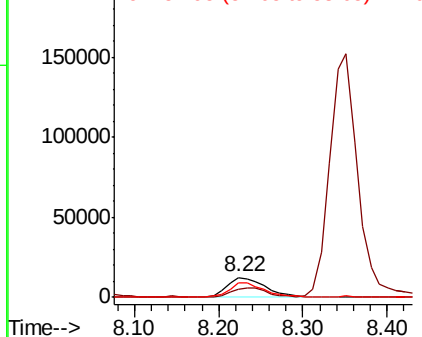


Abundance

Ion 88.00 (87.70 to 88.70): VDC

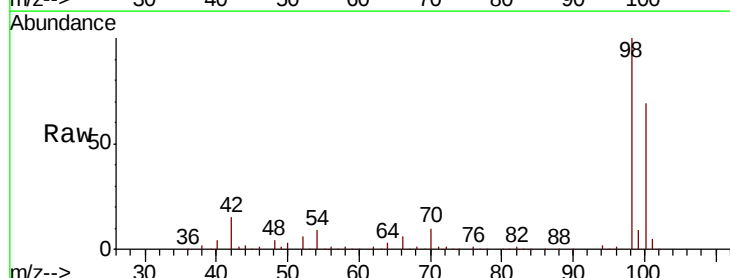
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 390.321 ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

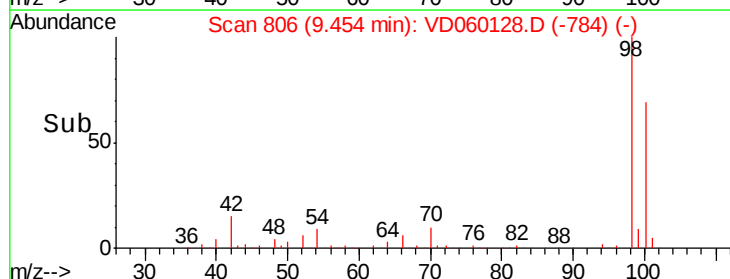
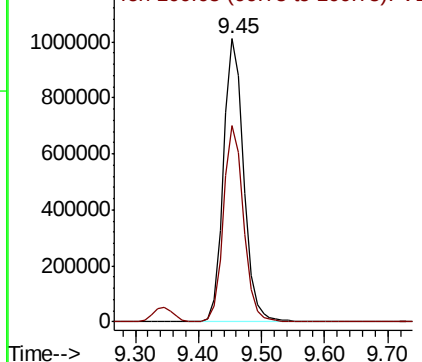
Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	55.4	83.0

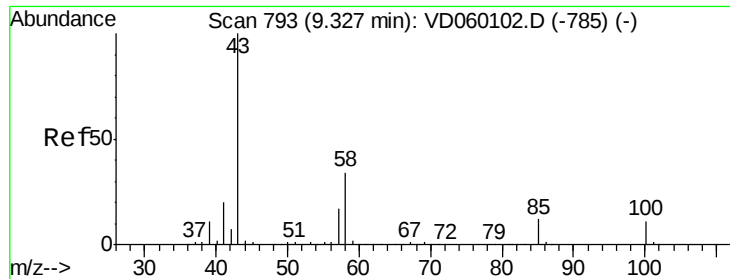


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 101.469 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 1151835

Ion Ratio Lower Upper

43 100

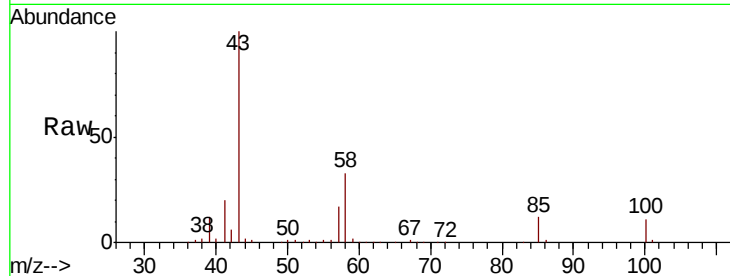
58 32.9 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VD060128.D (-785) (-)

Ion 57.95 (57.65 to 58.65): VD060128.D (-785) (-)

9.35

500000

400000

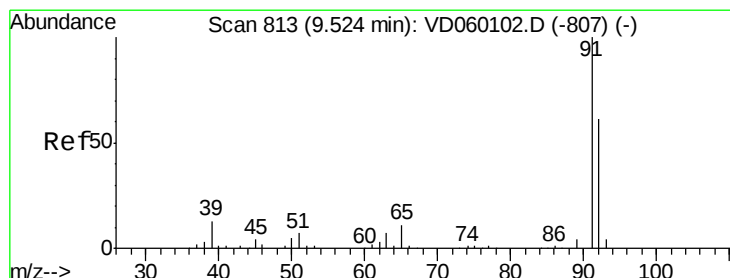
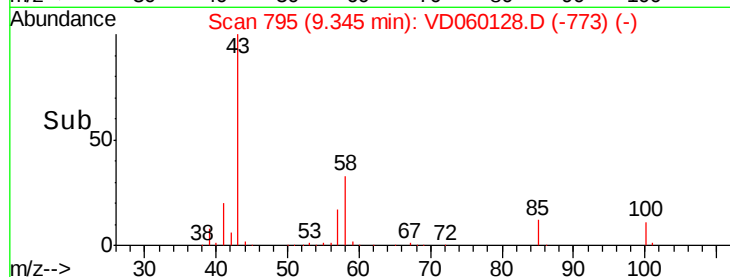
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.448 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060128.D

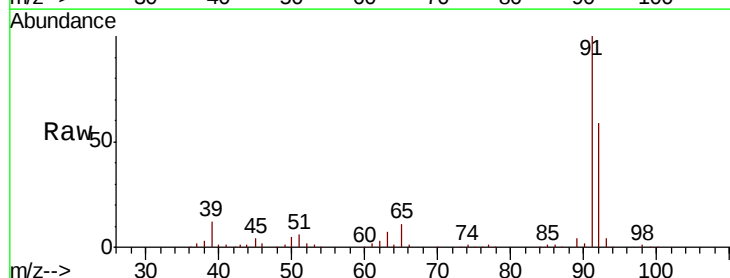
Acq: 4 Oct 2018 13:03

Tgt Ion: 92 Resp: 710054

Ion Ratio Lower Upper

92 100

91 168.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VD060128.D (-793) (-)

Ion 91.00 (90.70 to 91.70): VD060128.D (-793) (-)

9.55

600000

500000

400000

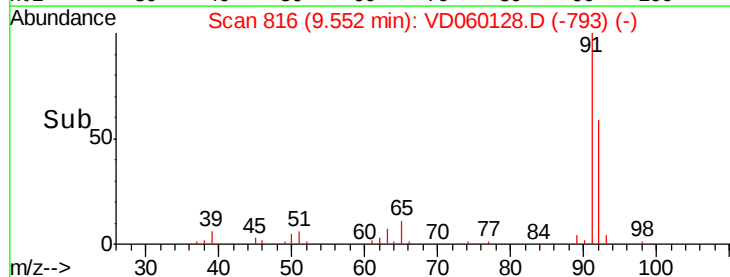
300000

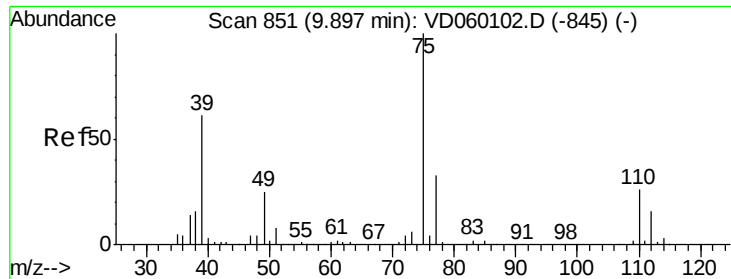
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.585 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Tot Ion: 75 Resp: 362759

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

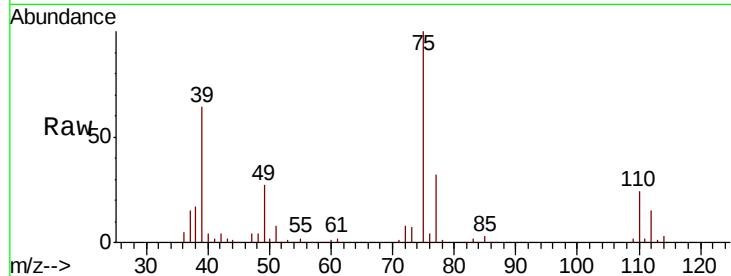
VD1004SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

200000

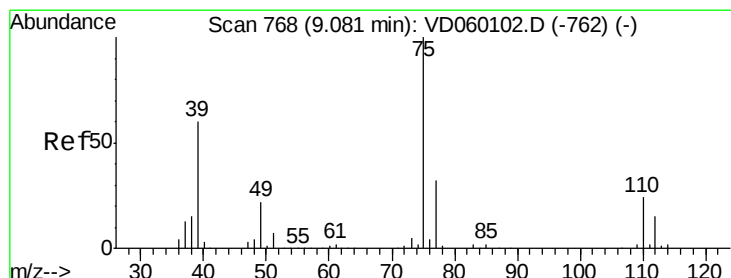
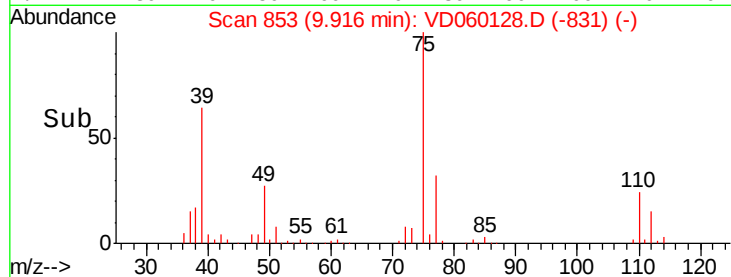
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.264 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

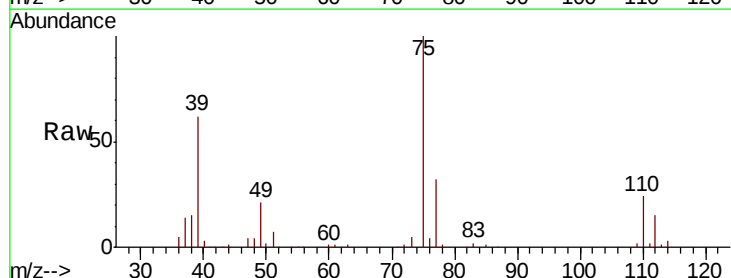
Tgt Ion: 75 Resp: 440970

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 62.1 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

250000

200000

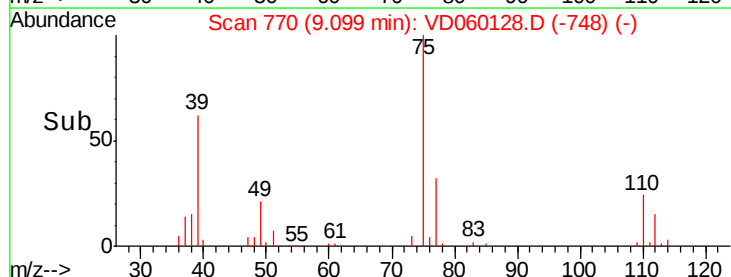
150000

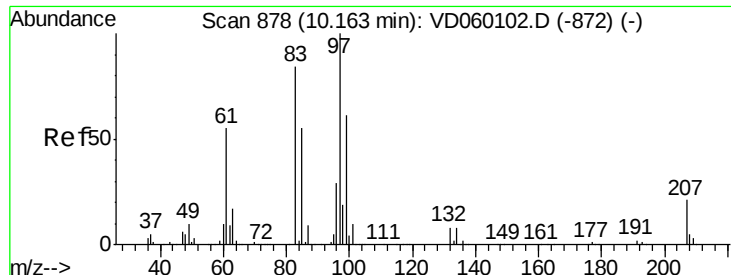
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.752 ug/l

RT: 10.18 min Scan# 880

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

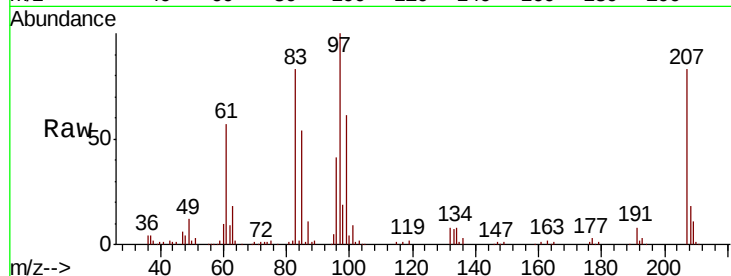
VD1004SBS01

Tot Ion: 97 Resp: 235582

Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.0	100.6
85	54.1	43.9	65.9
99	61.4	49.1	73.7

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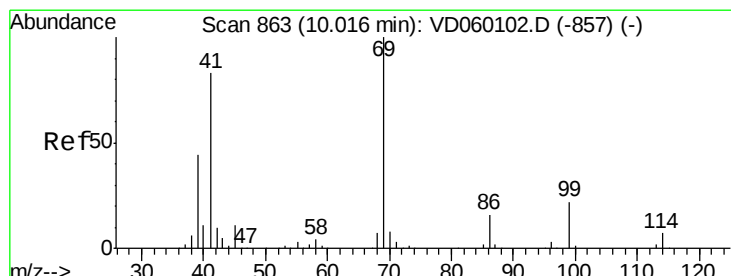
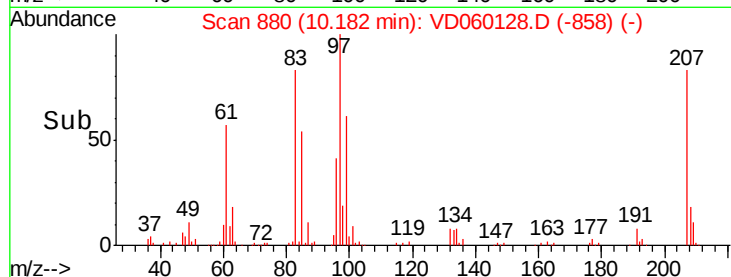
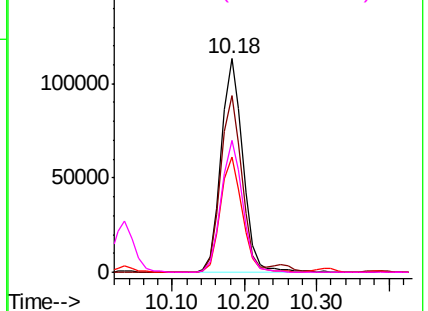


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.374 ug/l

RT: 10.03 min Scan# 865

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

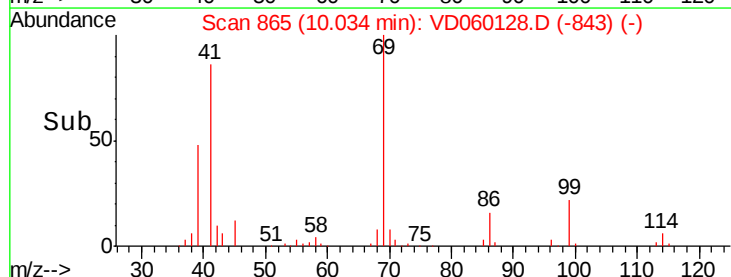
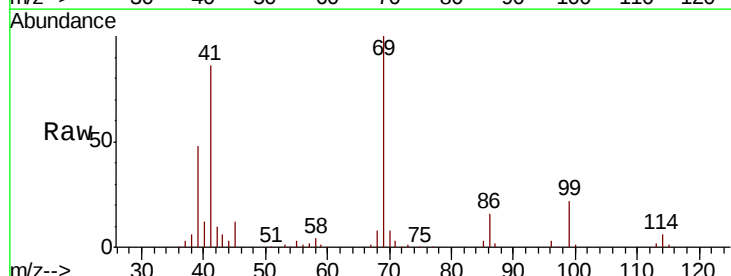
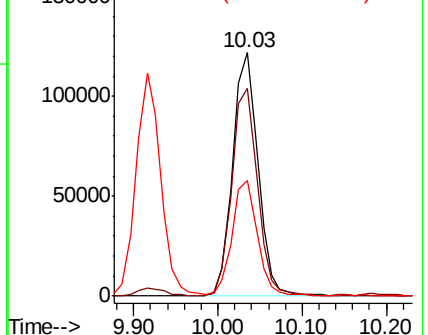
Tgt Ion: 69 Resp: 255308

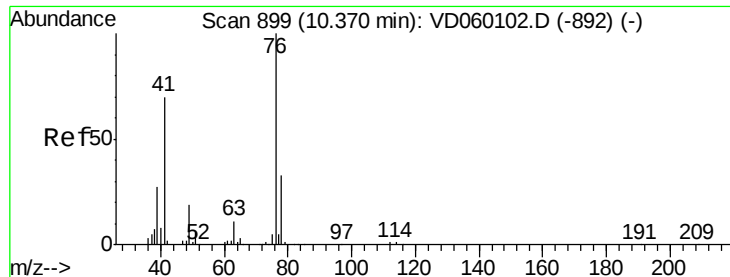
Ion	Ratio	Lower	Upper
69	100		
41	85.5	66.6	100.0
39	47.6	36.0	54.0

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





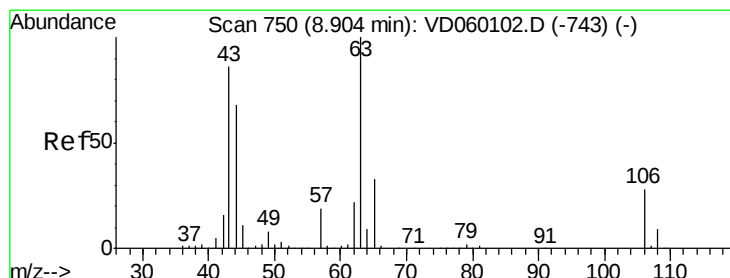
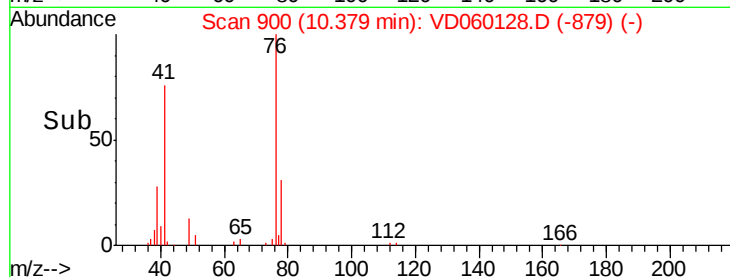
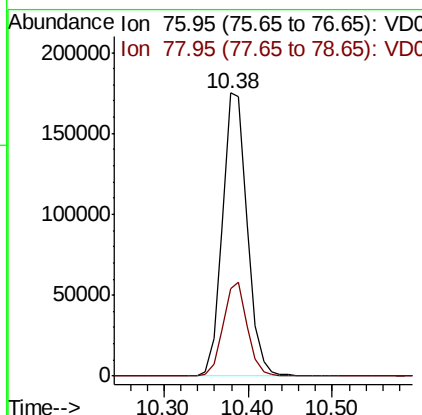
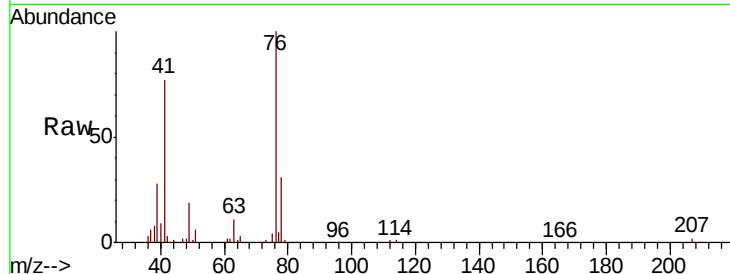
#57
 1,3-Dichloropropane
 Concen: 20.596 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBSD01

Tot Ion: 76 Resp: 356587
 Ion Ratio Lower Upper
 76 100
 78 30.9 26.2 39.2

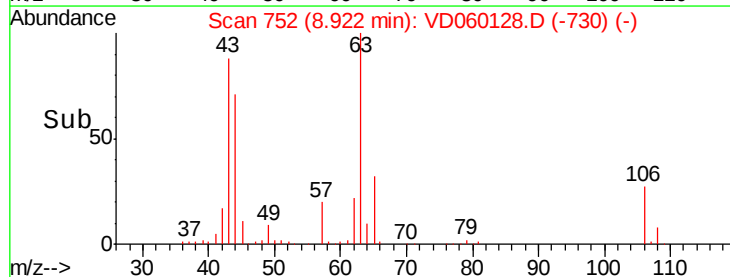
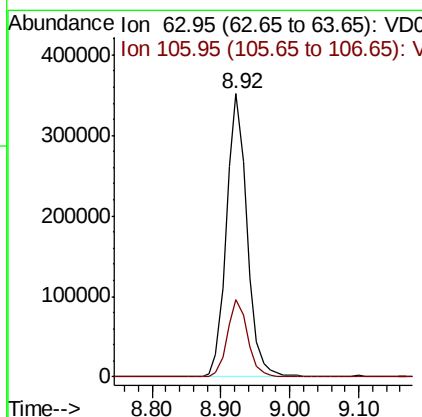
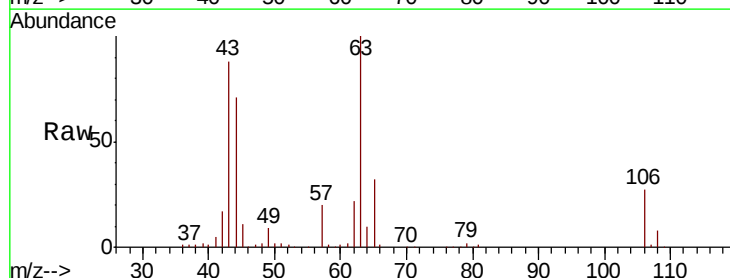
Manual Integrations
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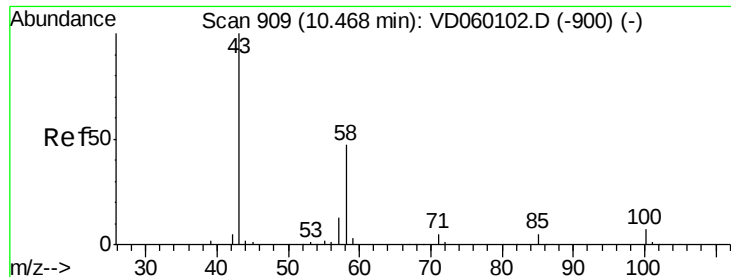
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.552 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion: 63 Resp: 727546
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.6 34.0





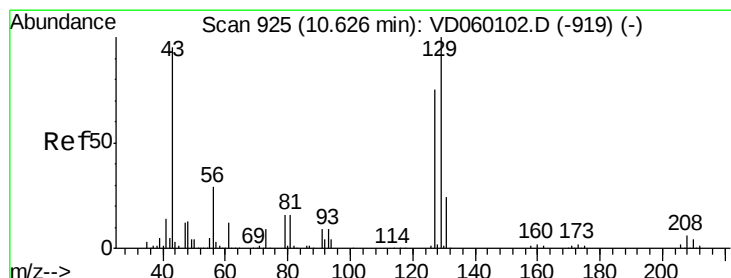
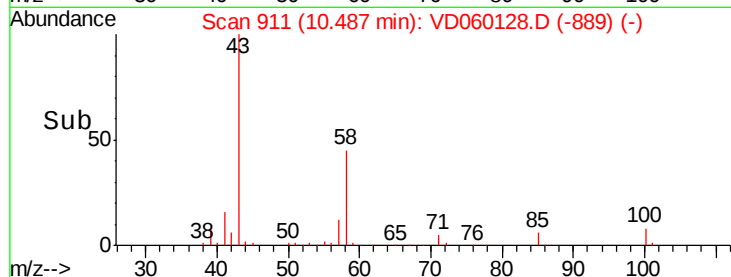
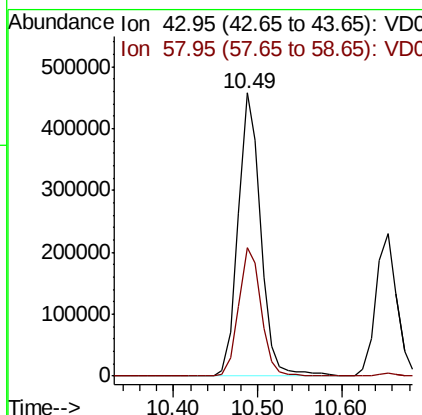
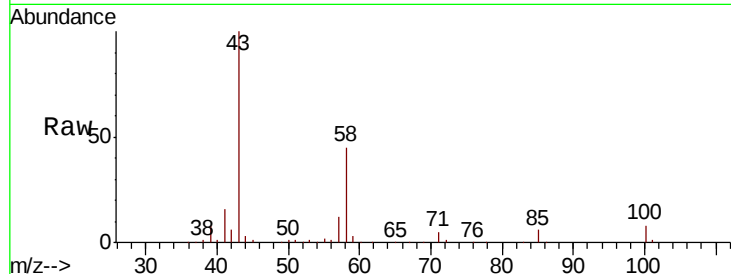
#59
2-Hexanone
Concen: 104.605 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 43 Resp: 853863
Ion Ratio Lower Upper
43 100
58 45.4 23.3 69.9

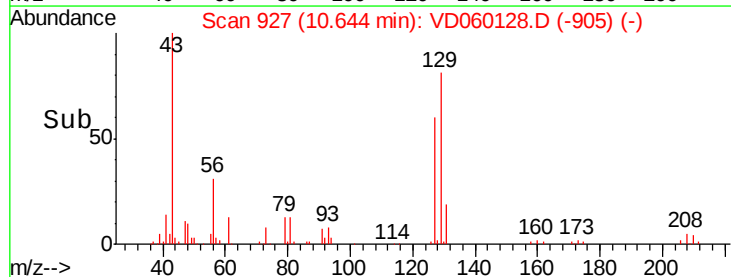
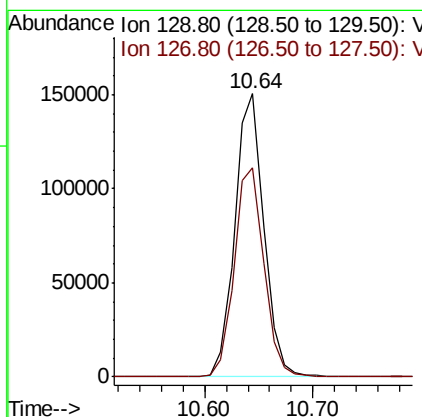
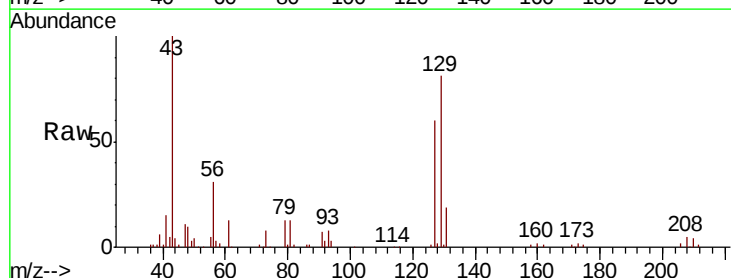
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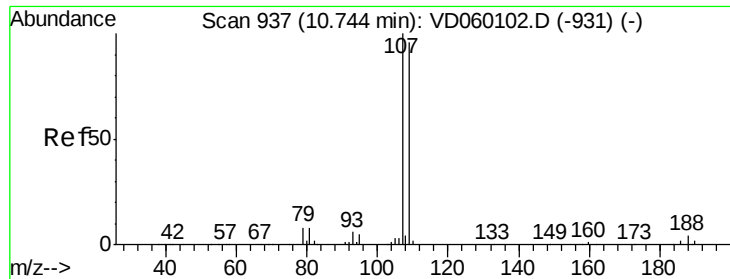
apatel
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#60
Dibromochloromethane
Concen: 20.117 ug/l
RT: 10.64 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion: 129 Resp: 280202
Ion Ratio Lower Upper
129 100
127 74.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 19.985 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion:107 Resp: 241063

Ion Ratio Lower Upper

107 100

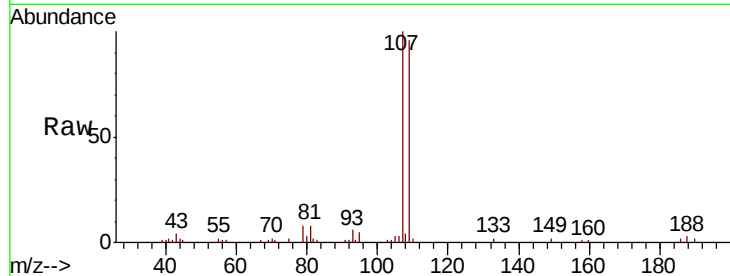
109 96.2 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

150000

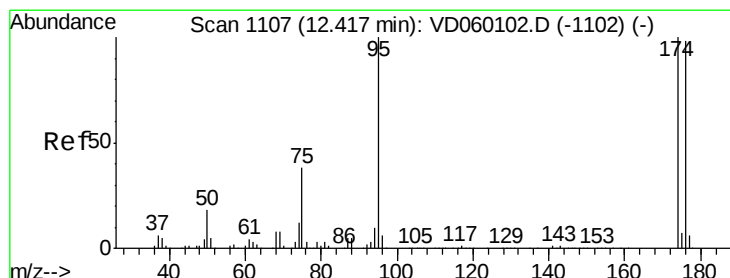
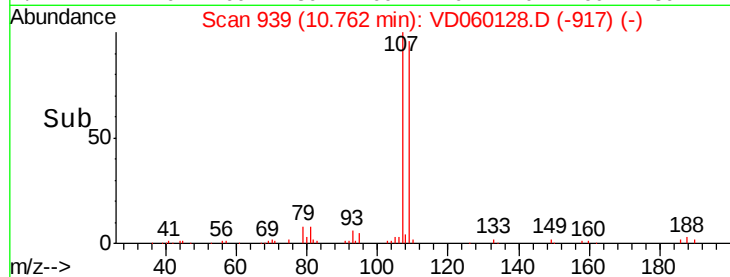
10.76

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.985 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

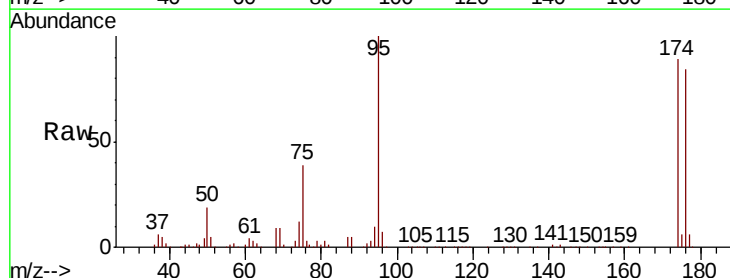
Tgt Ion: 95 Resp: 860284

Ion Ratio Lower Upper

95 100

174 88.8 0.0 200.2

176 84.3 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

12.43

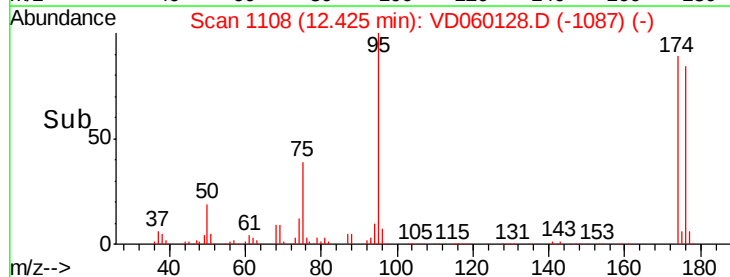
600000

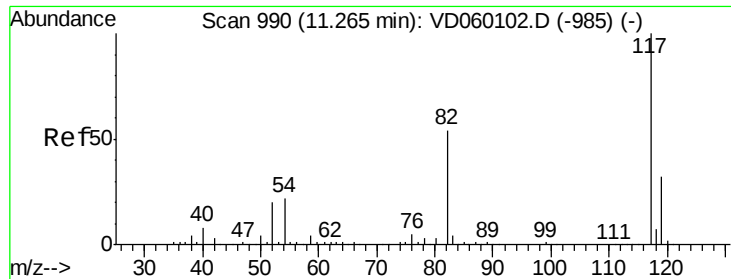
400000

200000

0

Time-->





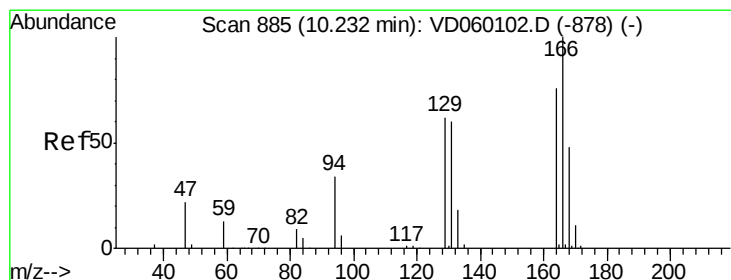
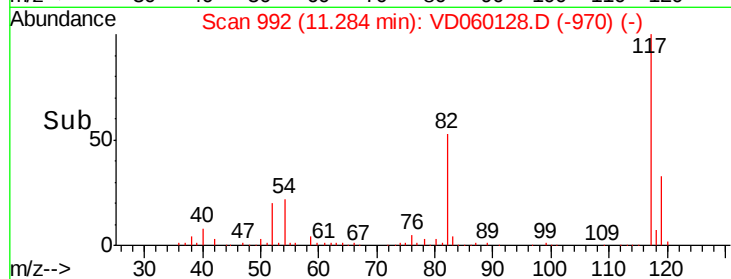
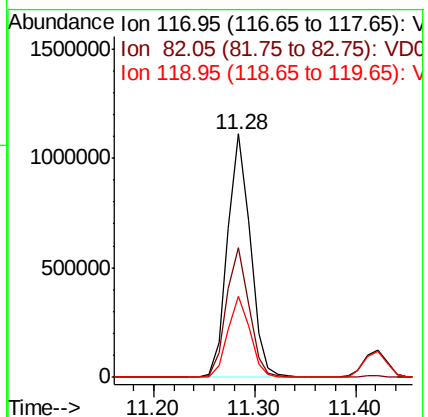
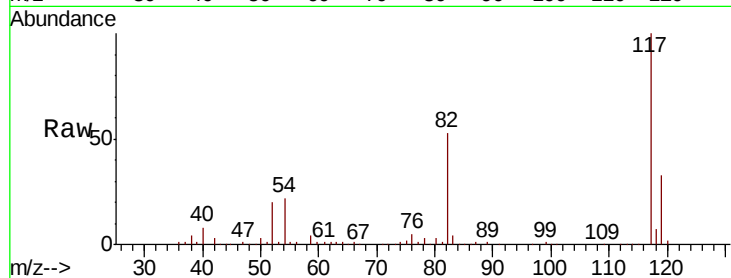
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion:117 Resp: 1740869
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.2
119 33.0 26.0 39.0

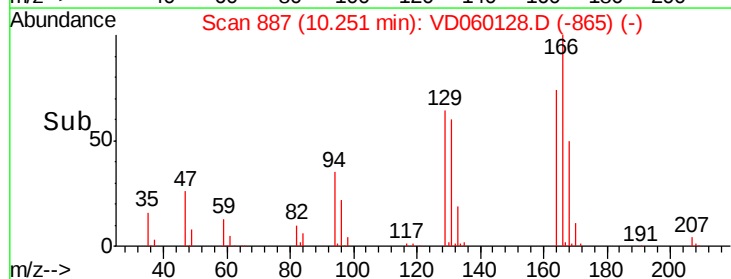
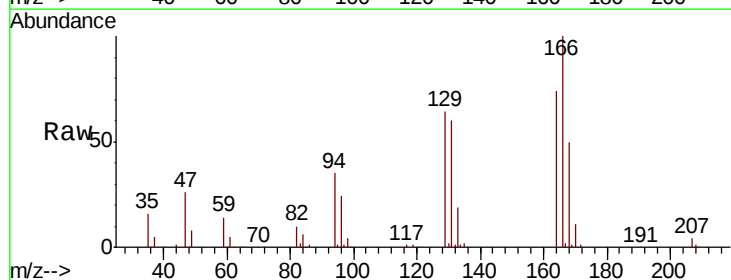
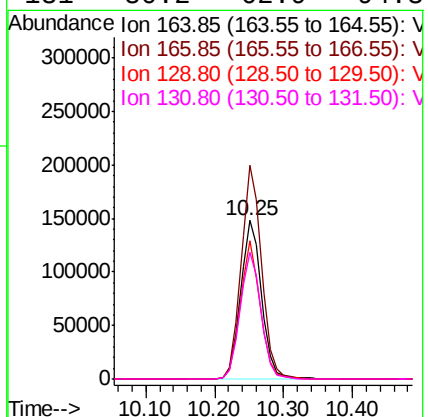
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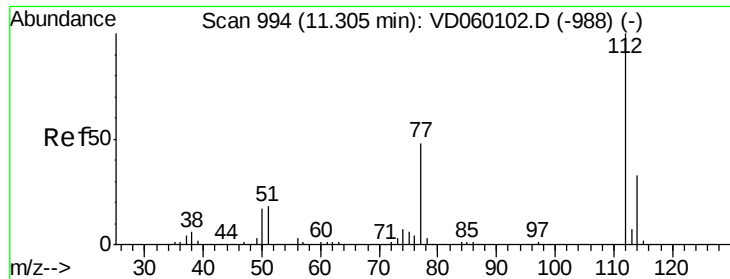
apatel
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#64
Tetrachloroethene
Concen: 20.324 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion:164 Resp: 309892
Ion Ratio Lower Upper
164 100
166 134.7 105.4 158.0
129 86.8 65.7 98.5
131 80.2 62.9 94.3





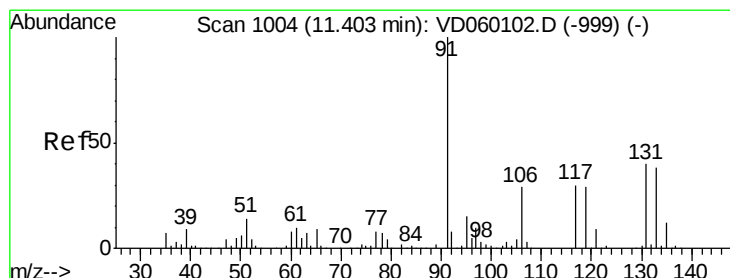
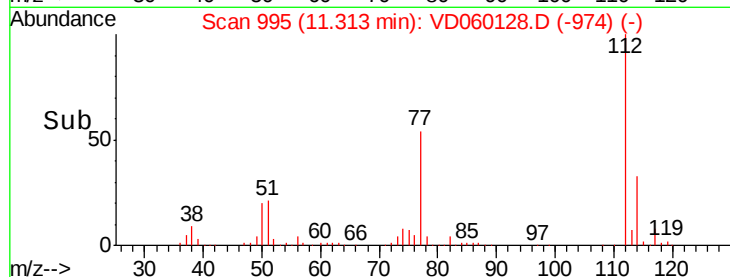
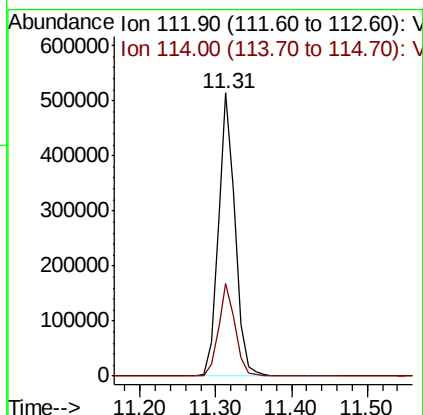
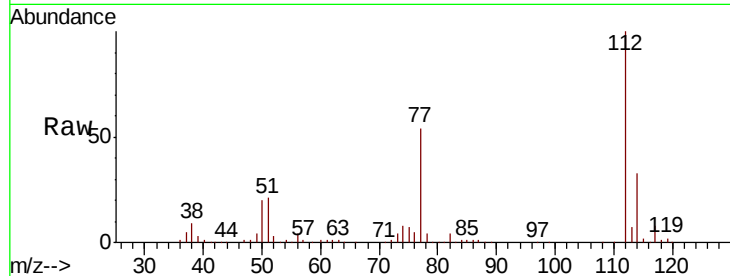
#65
Chlorobenzene
Concen: 21.063 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

Tot Ion:112 Resp: 793265
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0

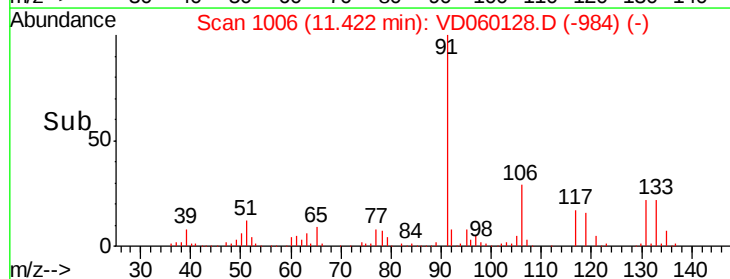
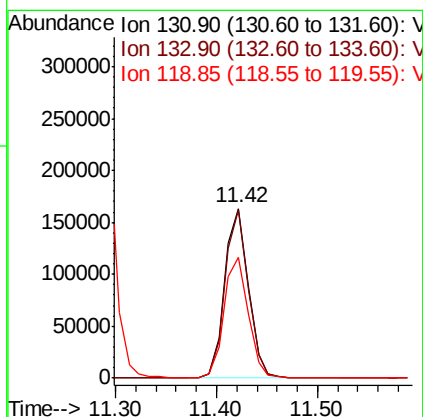
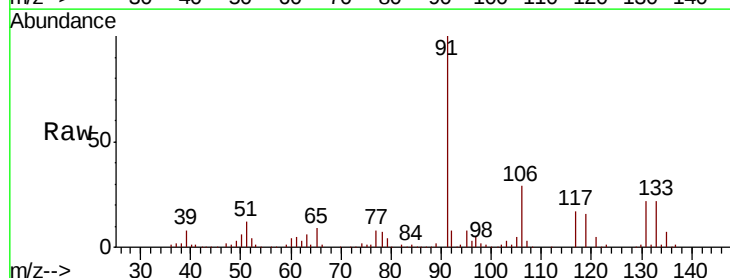
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.316 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion:131 Resp: 267811
Ion Ratio Lower Upper
131 100
133 98.5 47.4 142.3
119 71.3 36.1 108.3





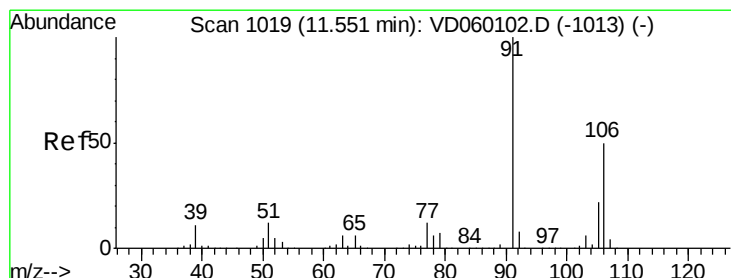
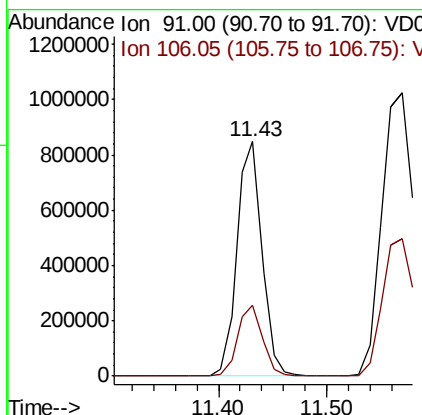
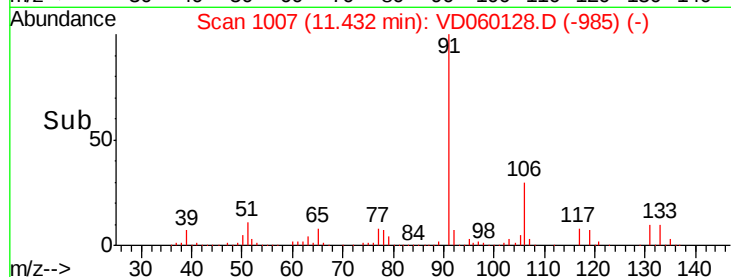
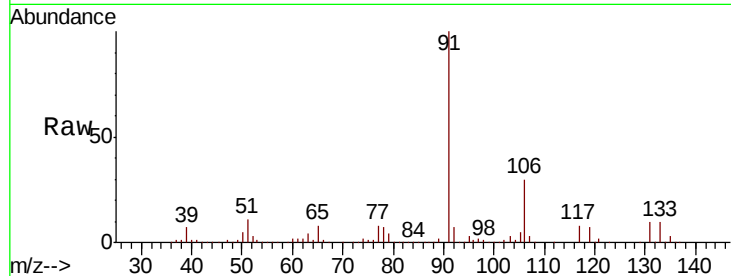
#67
Ethyl Benzene
Concen: 22.264 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 91 Resp: 1358517
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

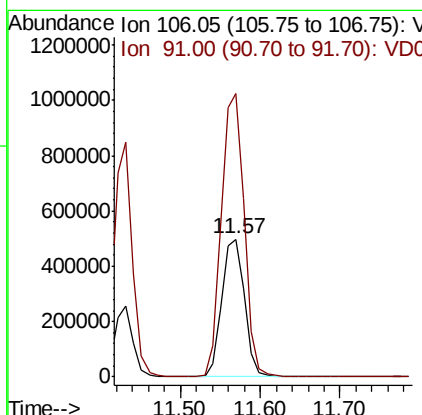
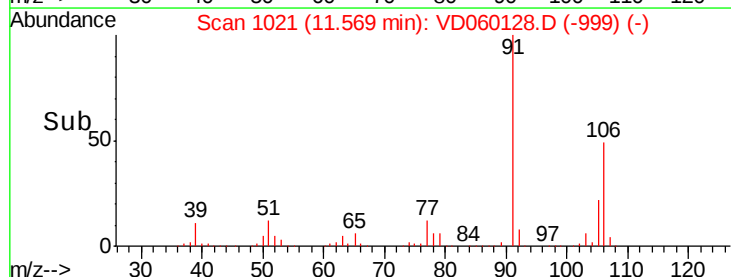
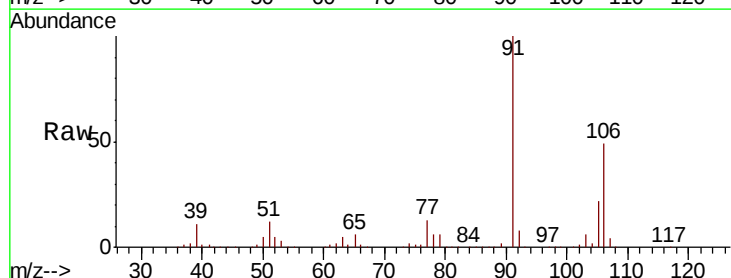
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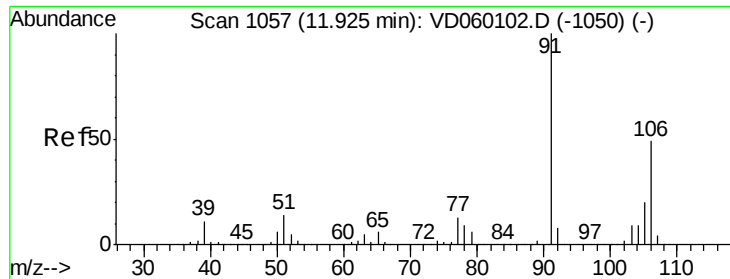
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#68
m/p-Xylenes
Concen: 43.952 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion: 106 Resp: 1002044
Ion Ratio Lower Upper
106 100
91 205.0 160.0 240.0





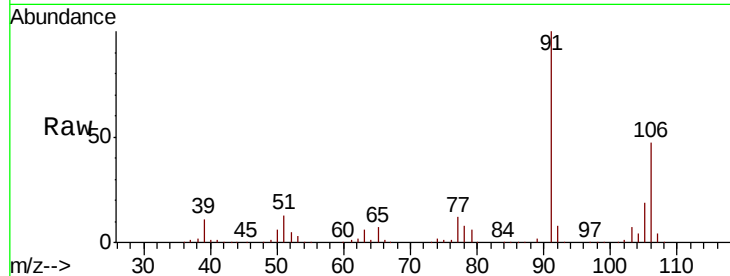
#69
o-Xylene
Concen: 21.500 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

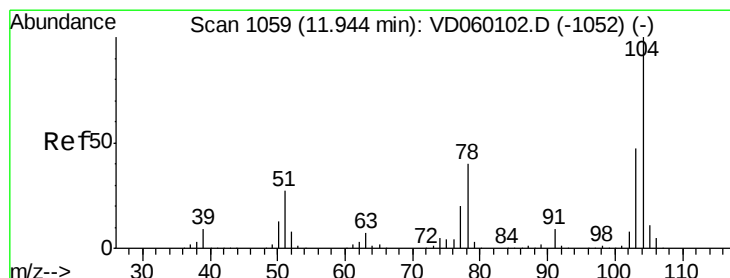
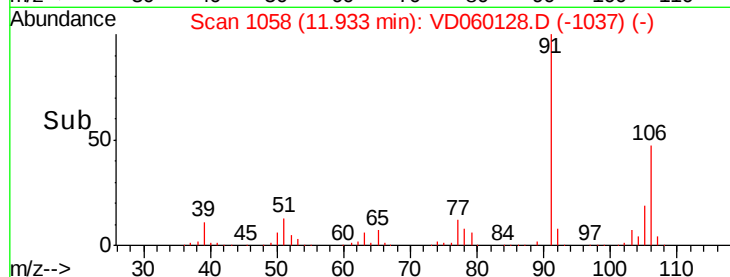
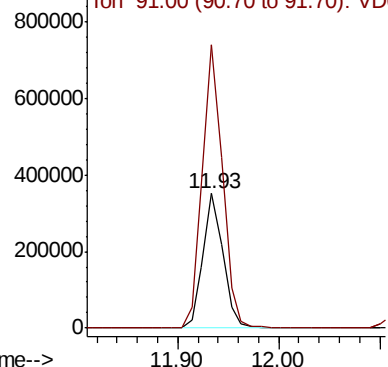
Tot Ion:106 Resp: 484834
Ion Ratio Lower Upper
106 100
91 210.7 102.5 307.5

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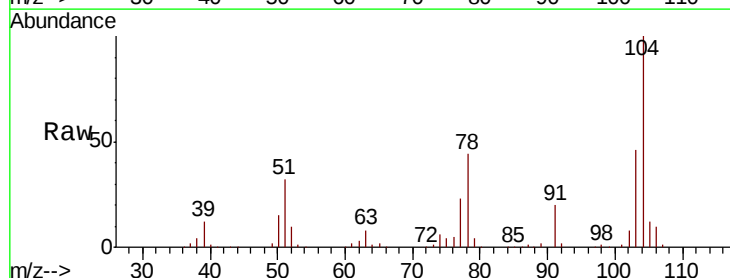


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

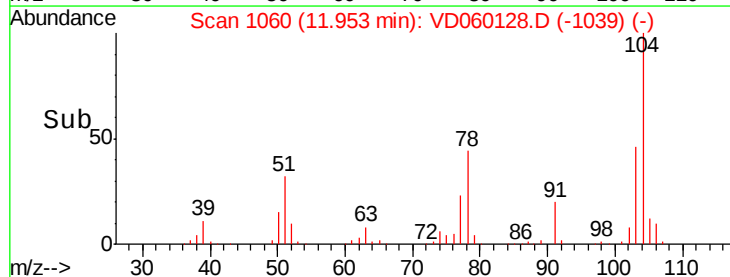
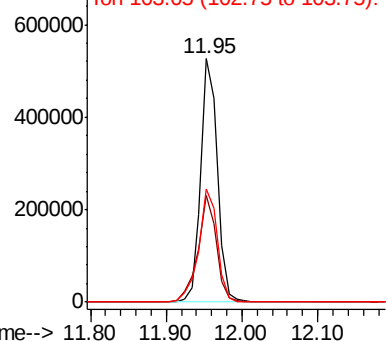


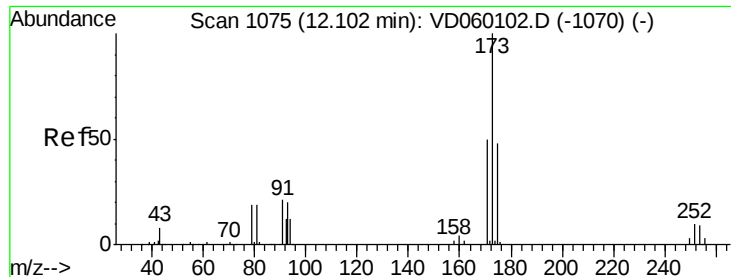
#70
Styrene
Concen: 21.178 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion:104 Resp: 798666
Ion Ratio Lower Upper
104 100
78 44.0 32.2 48.4
103 46.3 37.4 56.0



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





#71

Bromoform

Concen: 19.657 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

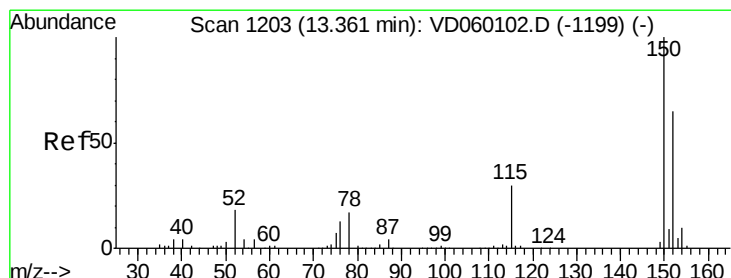
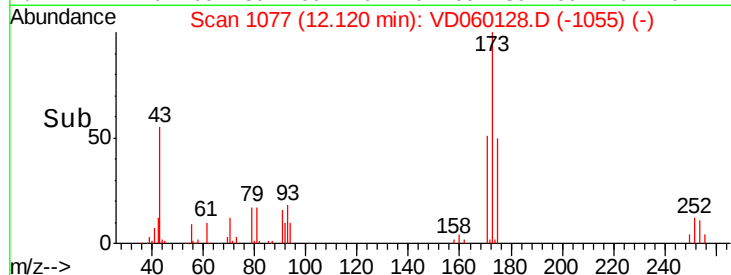
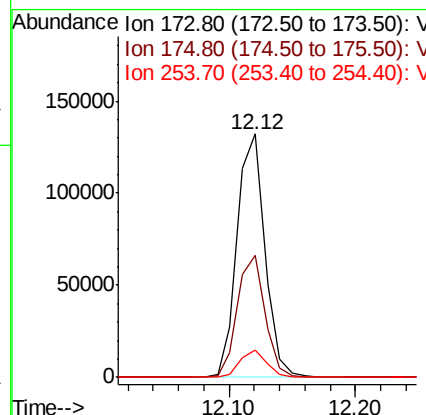
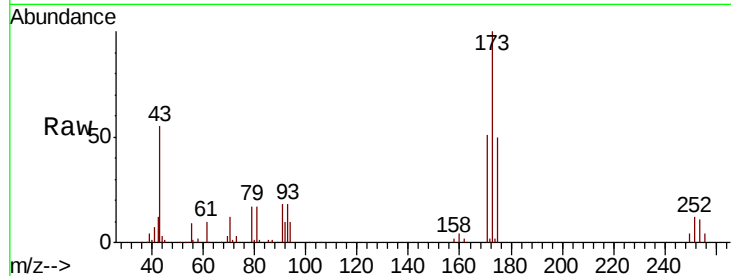
ClientSampleId :

VD1004SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.1	72.4
254	11.3	7.4	11.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

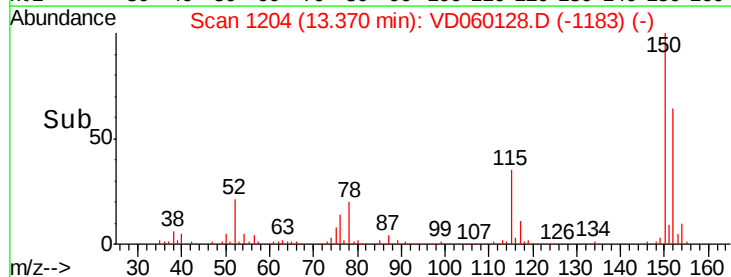
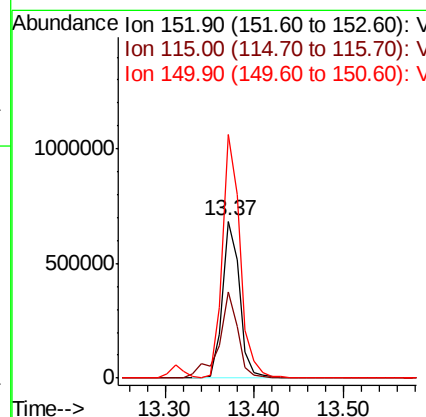
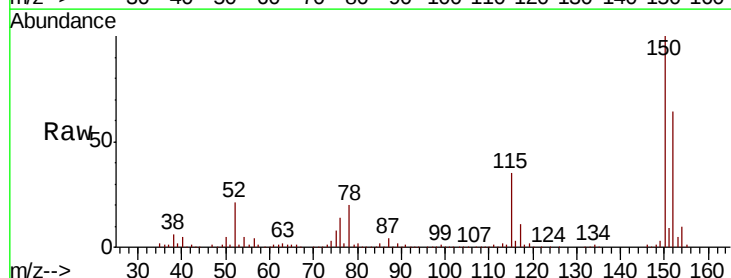
RT: 13.37 min Scan# 1204

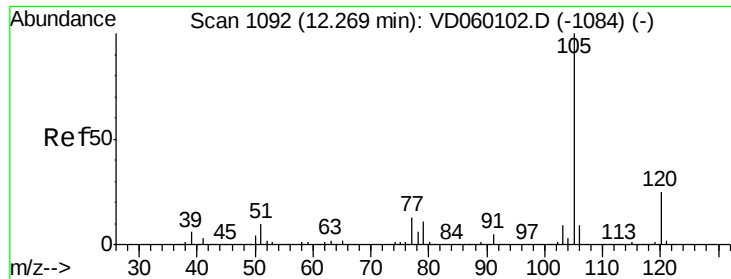
Delta R.T. 0.01 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.1	81.2
150	155.1	0.0	311.8





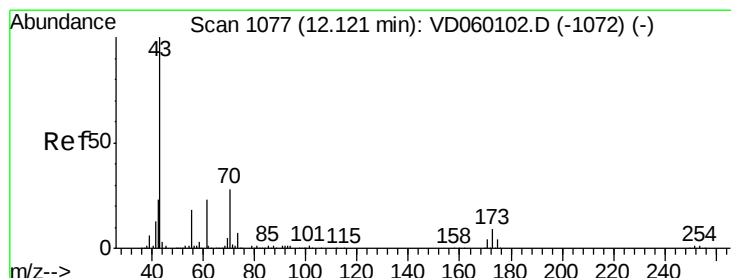
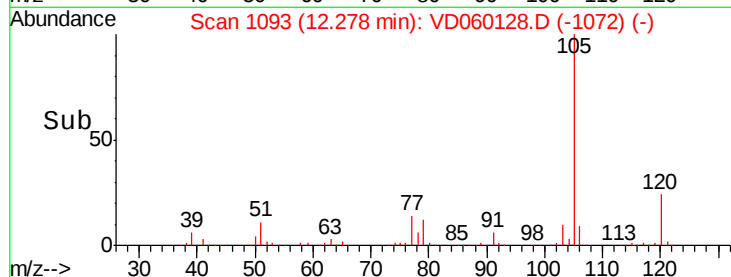
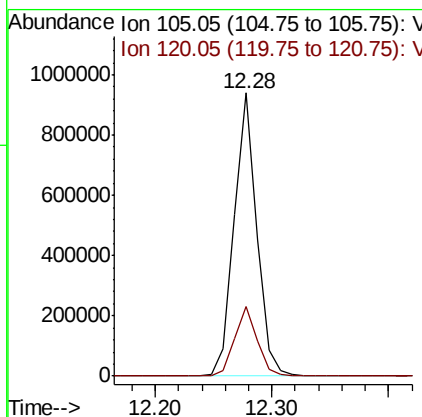
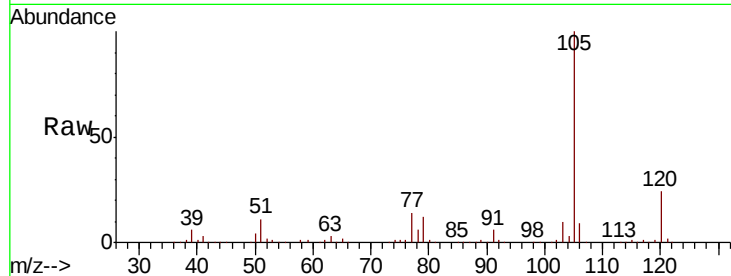
#73
Isopropylbenzene
Concen: 20.752 ug/l
RT: 12.28 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleID :
VD1004SBSD01

Tot Ion:105 Resp: 1263943
Ion Ratio Lower Upper
105 100
120 24.4 12.6 37.6

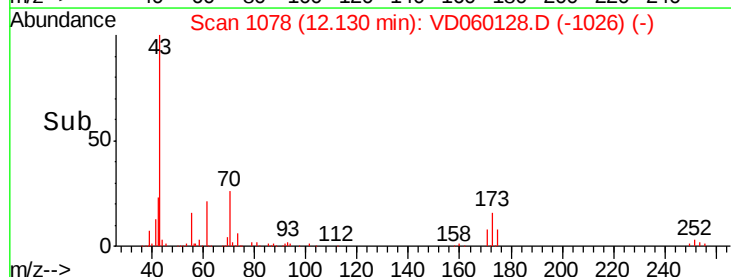
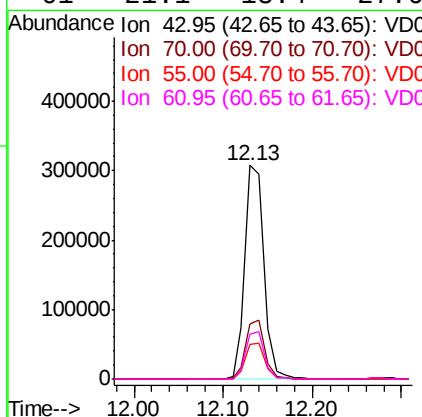
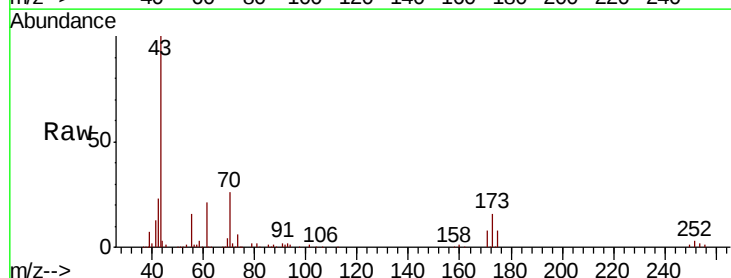
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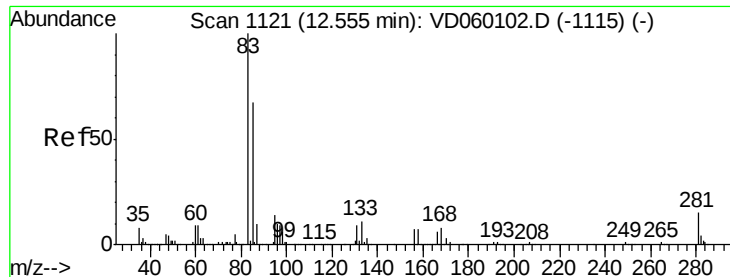
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#74
N-ethyl acetate
Concen: 20.520 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion: 43 Resp: 457790
Ion Ratio Lower Upper
43 100
70 25.9 22.1 33.1
55 16.0 14.1 21.1
61 21.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.377 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 83 Resp: 270944

Ion Ratio Lower Upper

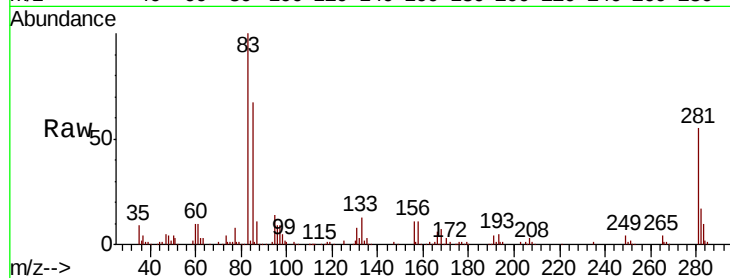
83 100

131 8.4 4.5 13.4

85 67.3 33.3 99.9

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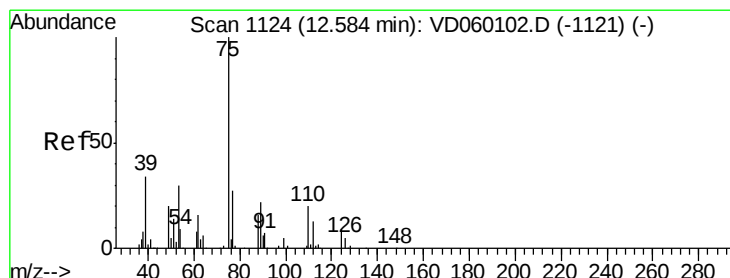
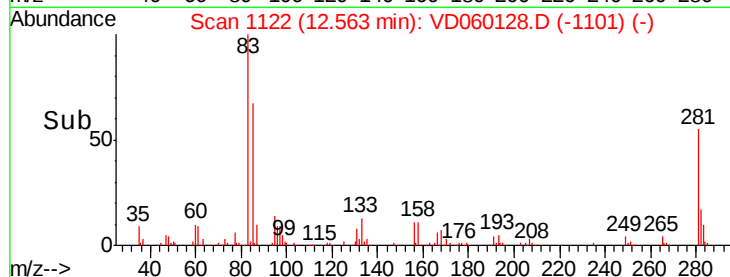
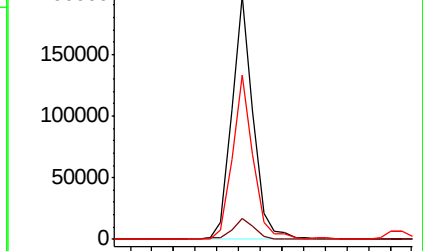
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.953 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060128.D

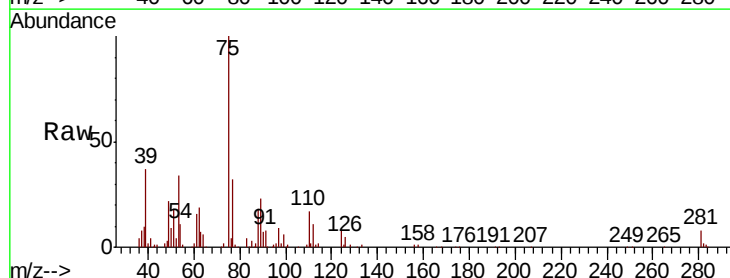
Acq: 4 Oct 2018 13:03

Tgt Ion: 75 Resp: 265285

Ion Ratio Lower Upper

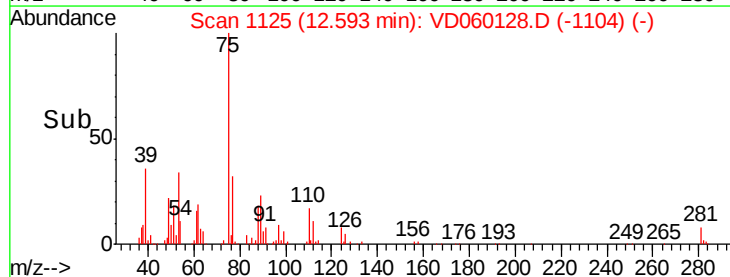
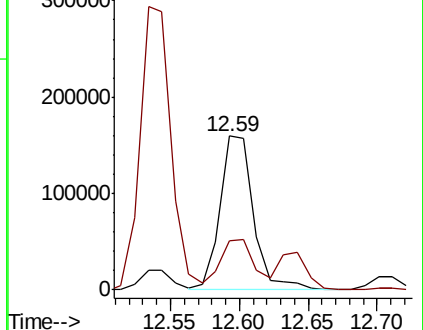
75 100

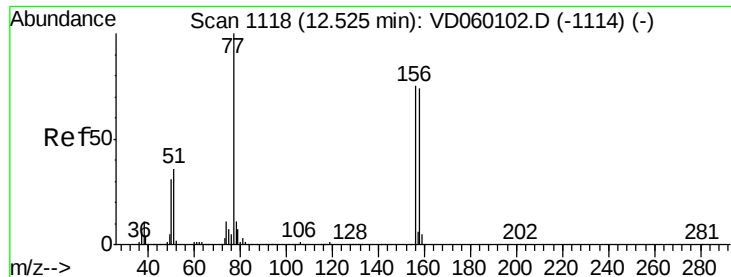
77 32.2 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.792 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

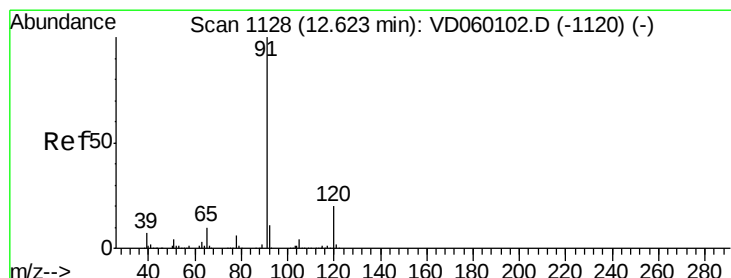
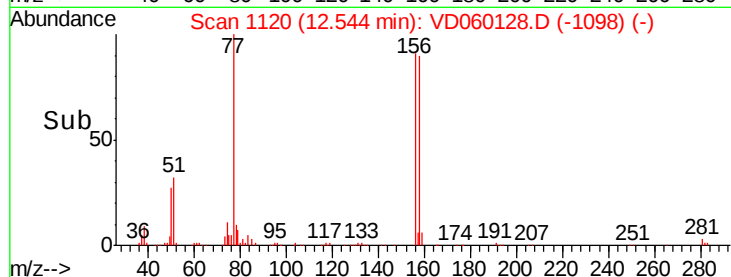
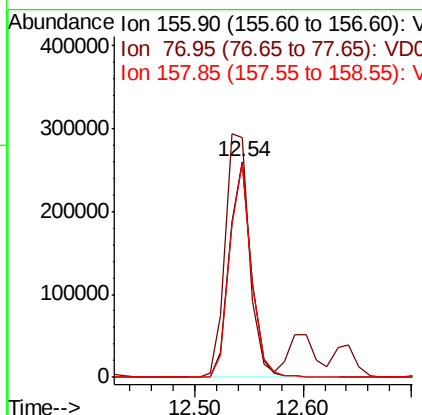
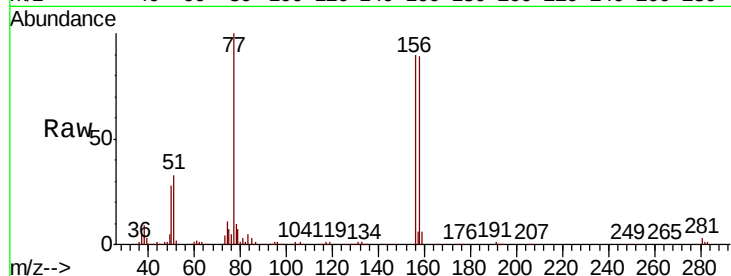
ClientSampleId :

VD1004SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	111.2	66.9	200.7
158	99.1	49.1	147.4

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#78

n-propylbenzene

Concen: 21.760 ug/l

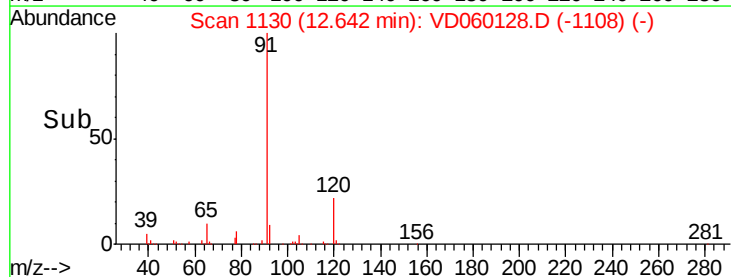
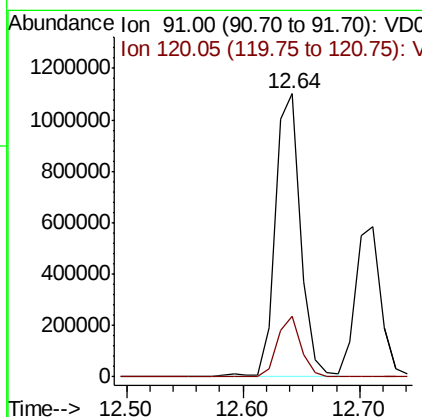
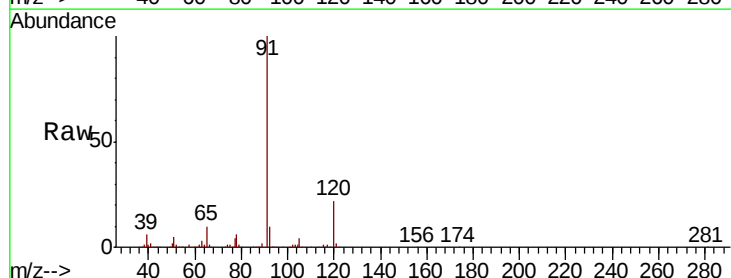
RT: 12.64 min Scan# 1130

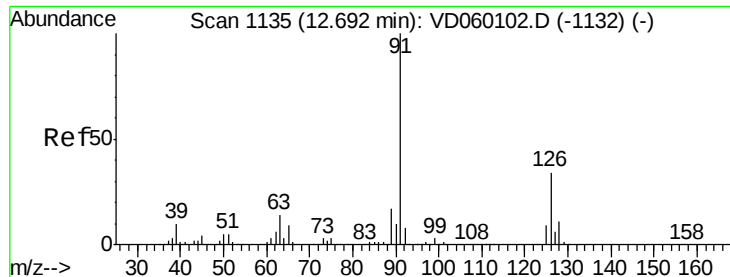
Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.0	30.0





#79

2-Chlorotoluene

Concen: 20.747 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1004SBS01

Tot Ion: 91 Resp: 870806

Ion Ratio Lower Upper

91 100

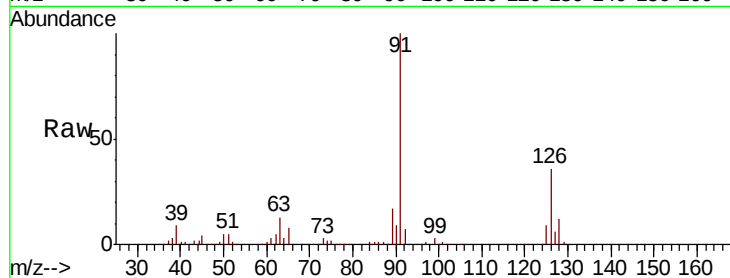
126 35.7 16.8 50.3

Manual Integrations

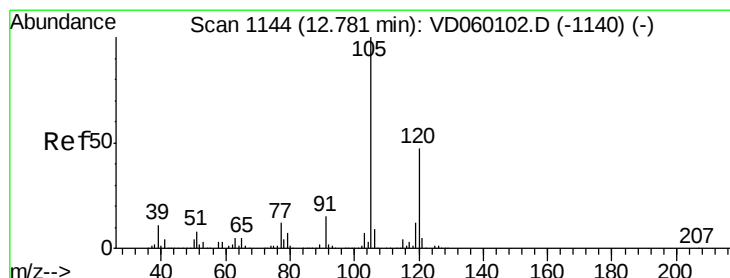
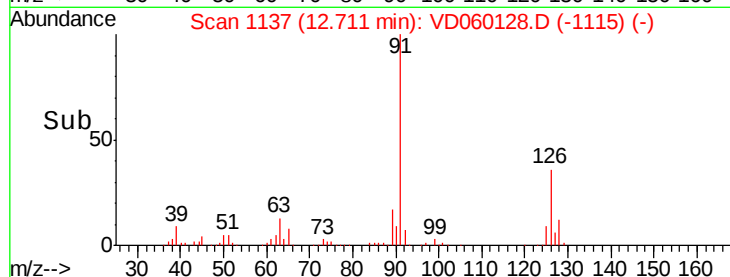
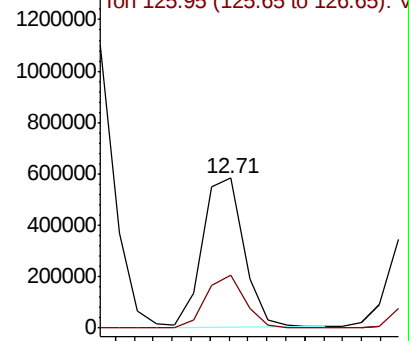
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Abundance Ion 91.00 (90.70 to 91.70): VD060102.D (-1132) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.720 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060128.D

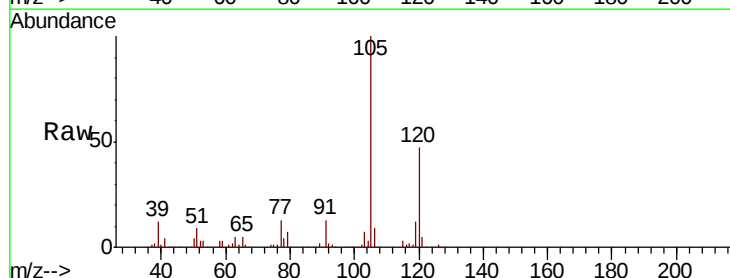
Acq: 4 Oct 2018 13:03

Tgt Ion: 105 Resp: 1023848

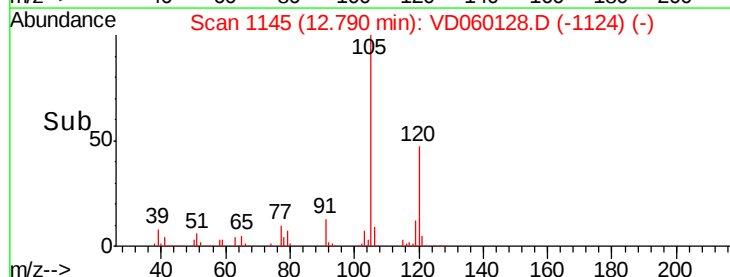
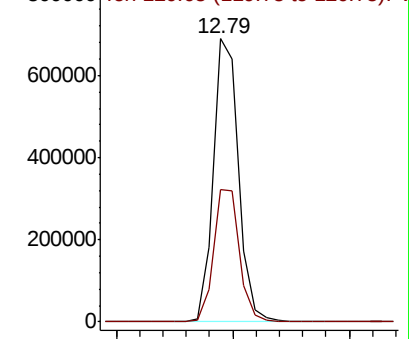
Ion Ratio Lower Upper

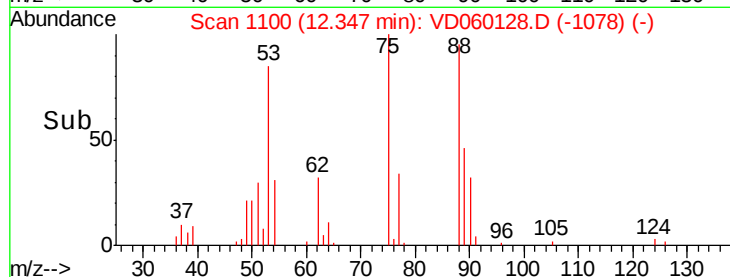
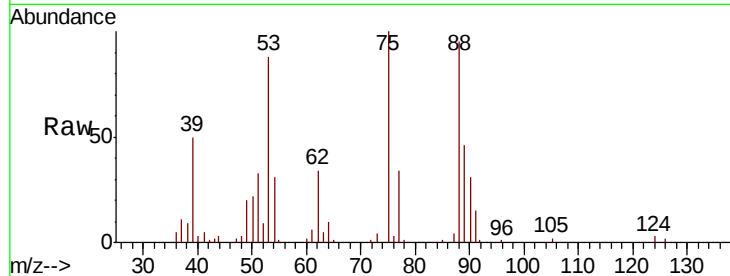
105 100

120 46.7 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): VD060102.D (-1140) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.489 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

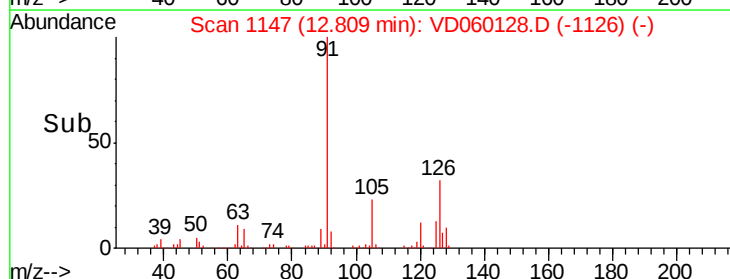
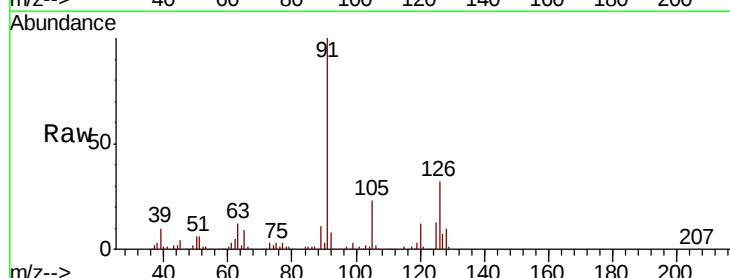
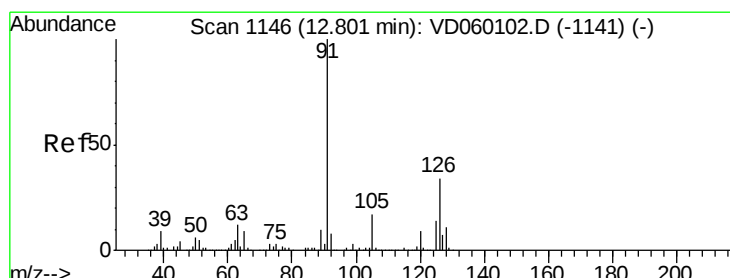
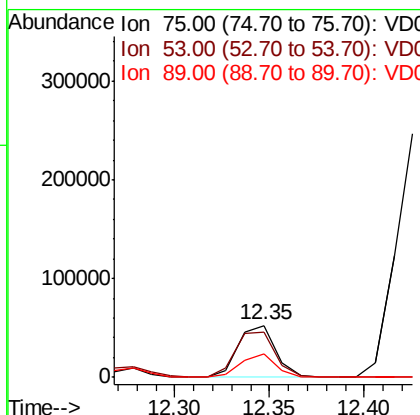
Tot Ion: 75 Resp: 72808

Ion	Ratio	Lower	Upper
75	100		
53	88.4	73.0	109.6
89	45.7	32.0	48.0

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

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#82

4-Chlorotoluene

Concen: 22.087 ug/l

RT: 12.81 min Scan# 1147

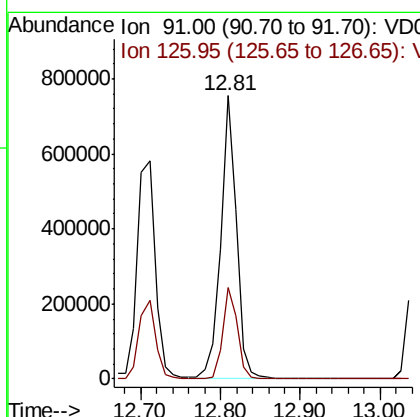
Delta R.T. 0.01 min

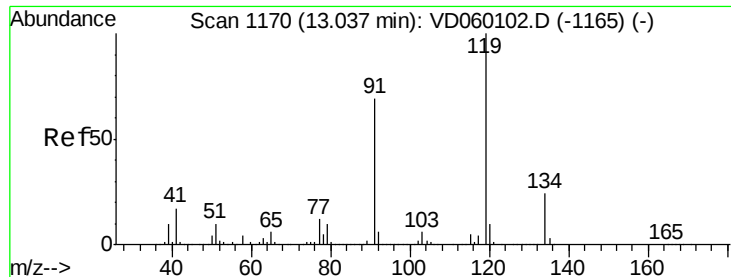
Lab File: VD060128.D

Acq: 4 Oct 2018 13:03

Tgt Ion: 91 Resp: 1048579

Ion	Ratio	Lower	Upper
91	100		
126	32.2	17.1	51.2





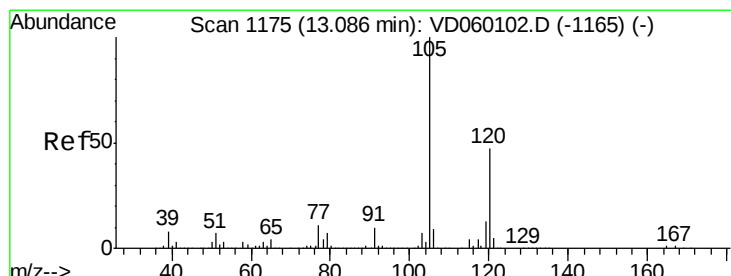
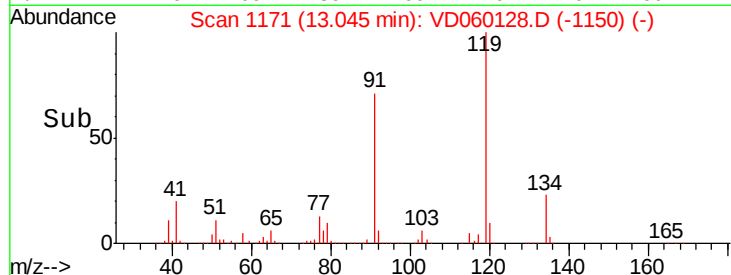
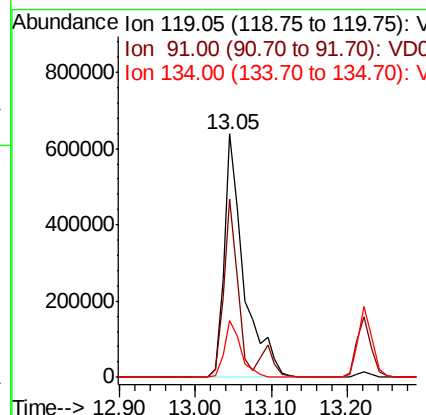
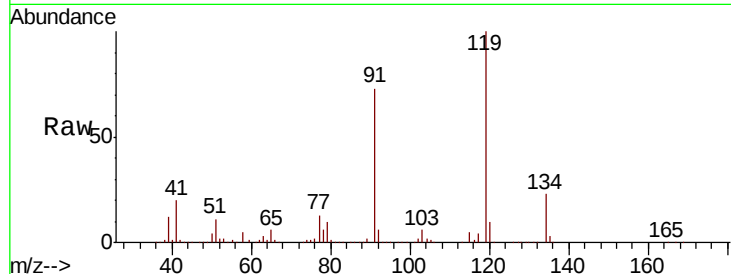
#83
tert-Butylbenzene
Concen: 21.563 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion:119 Resp: 1166388
Ion Ratio Lower Upper
119 100
91 73.3 34.8 104.4
134 23.2 11.8 35.4

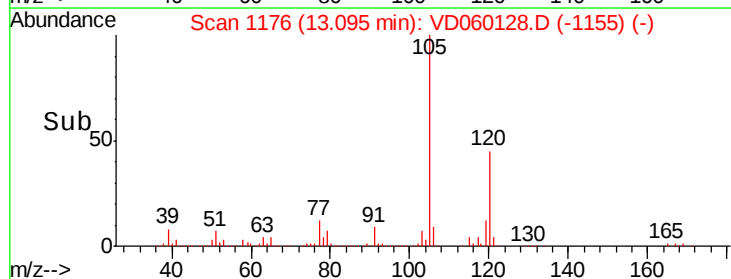
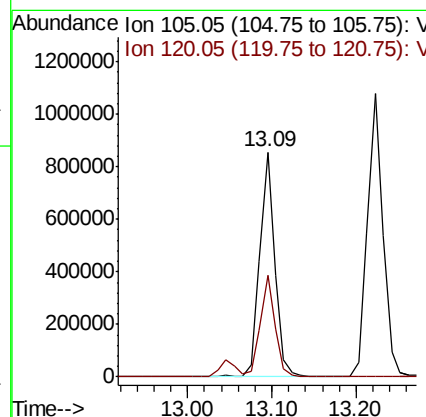
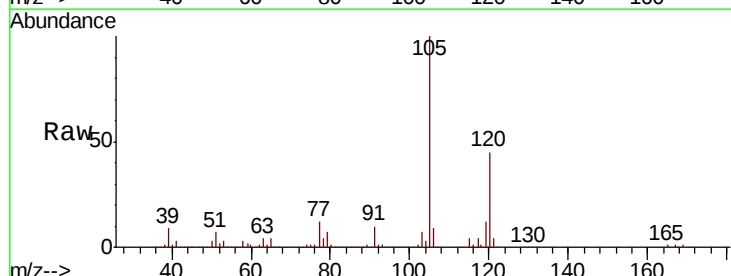
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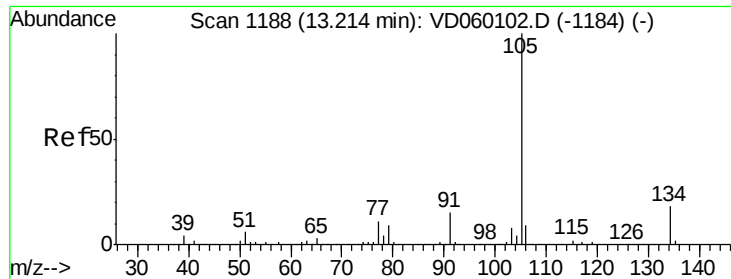
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#84
1,2,4-Trimethylbenzene
Concen: 21.820 ug/l
RT: 13.09 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion:105 Resp: 1084012
Ion Ratio Lower Upper
105 100
120 45.2 23.4 70.0





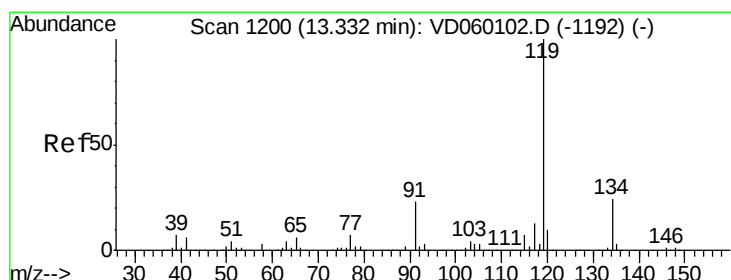
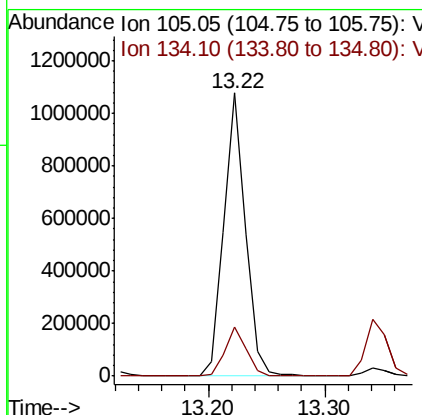
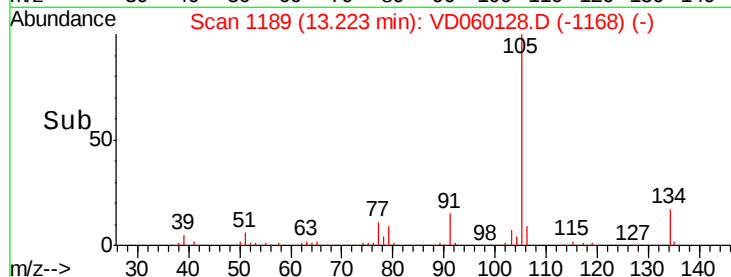
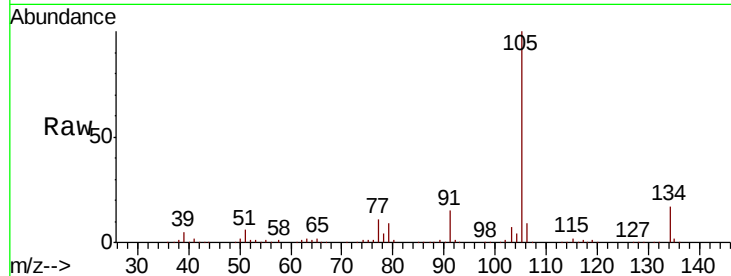
#85
 sec-Butylbenzene
 Concen: 21.582 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion:105 Resp: 1380366
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.8 26.2

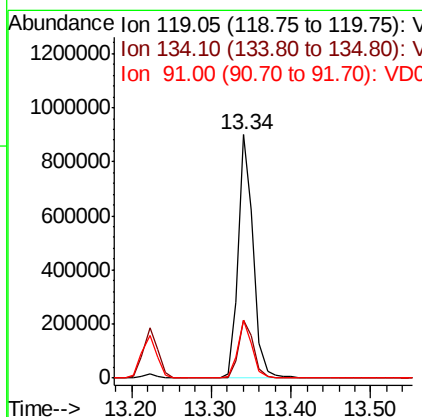
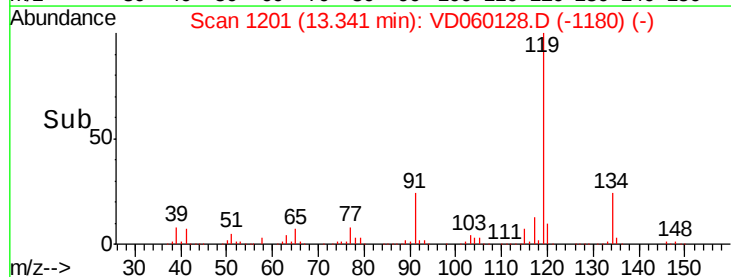
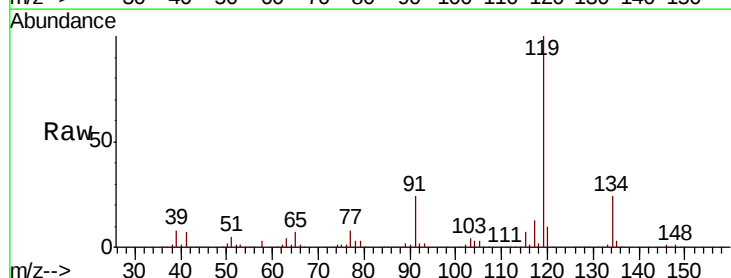
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#86
 p-Isopropyltoluene
 Concen: 22.449 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion:119 Resp: 1177637
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.3 36.8
 91 23.9 11.8 35.4





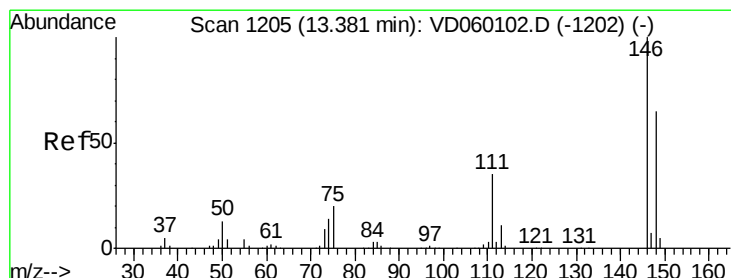
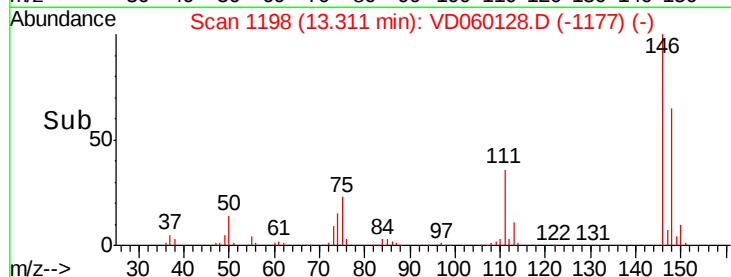
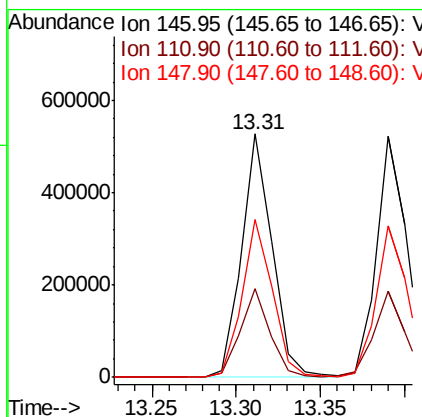
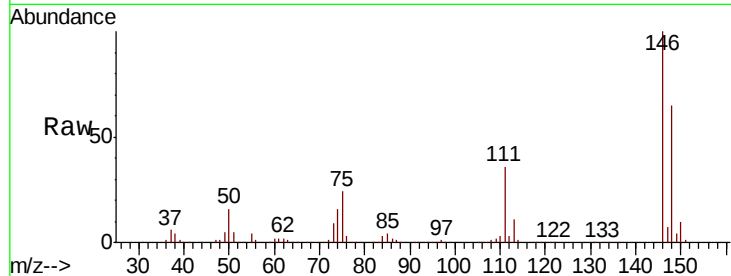
#87
 1,3-Dichlorobenzene
 Concen: 21.486 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.3
148	64.7	32.3	96.9

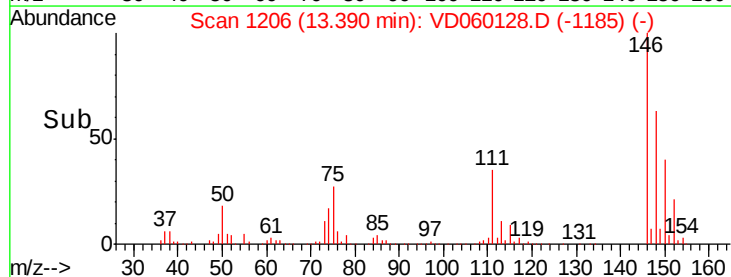
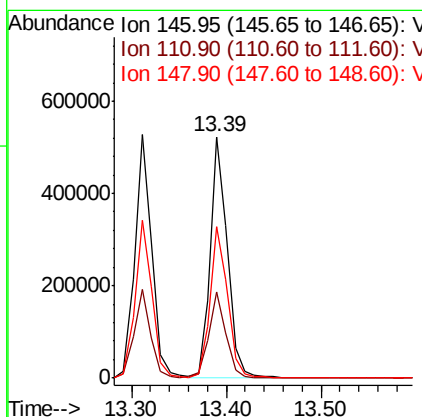
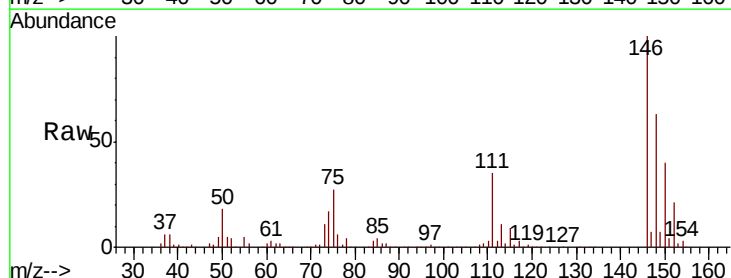
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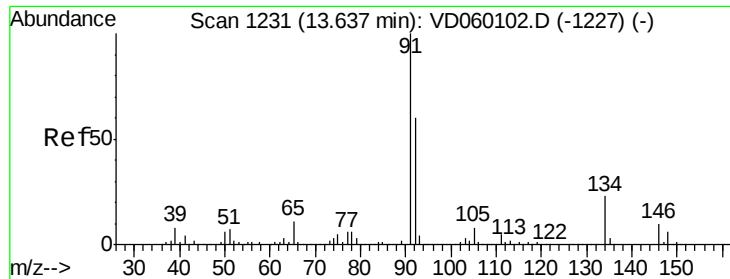
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#88
 1,4-Dichlorobenzene
 Concen: 21.390 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.8	53.3
148	62.6	32.4	97.2





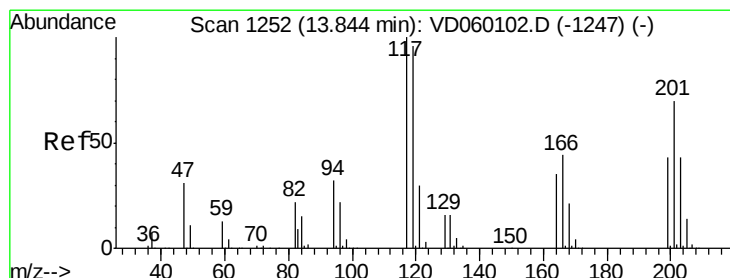
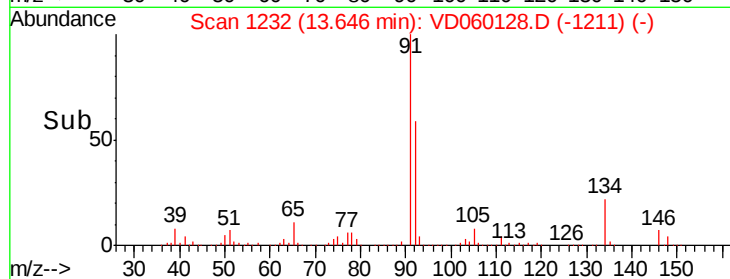
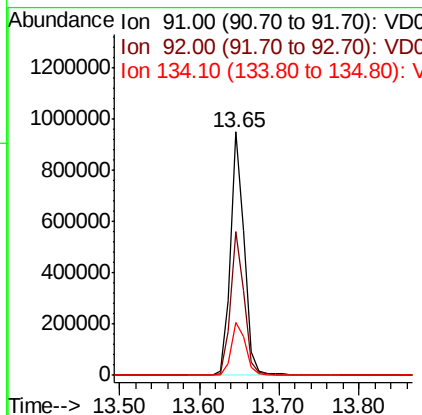
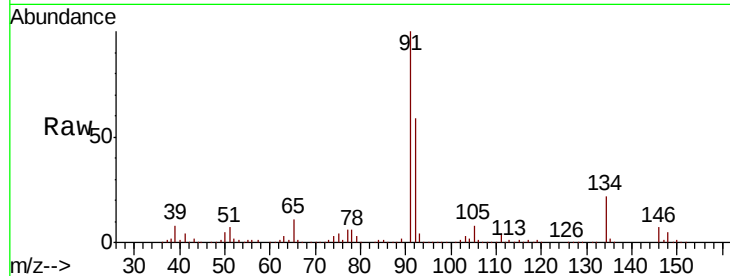
#89
n-Butylbenzene
Concen: 22.550 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion: 91 Resp: 1154248
Ion Ratio Lower Upper
91 100
92 59.1 30.1 90.3
134 21.7 11.6 34.7

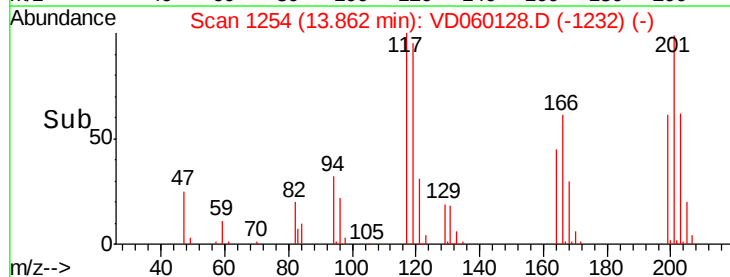
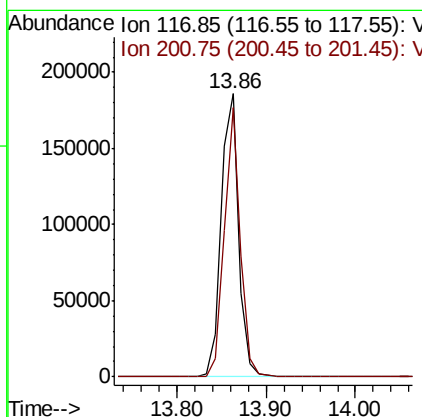
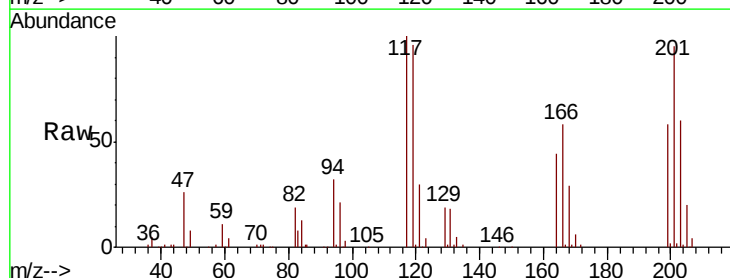
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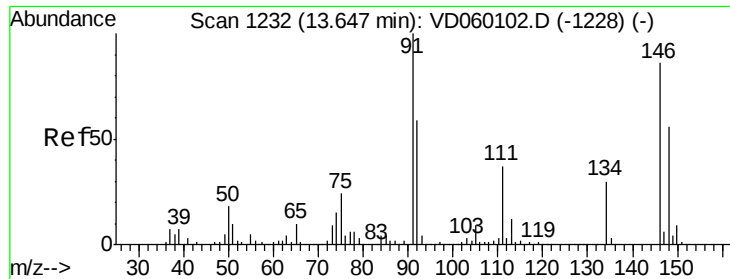
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#90
Hexachloroethane
Concen: 21.302 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion: 117 Resp: 258620
Ion Ratio Lower Upper
117 100
201 95.0 34.8 104.5





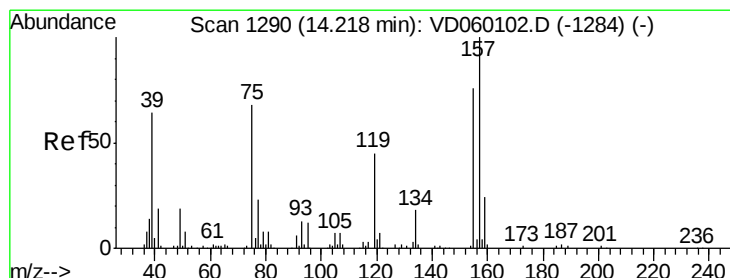
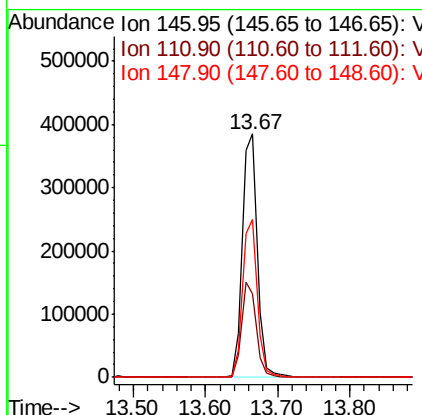
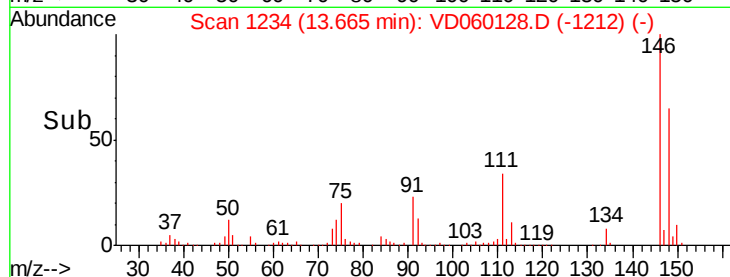
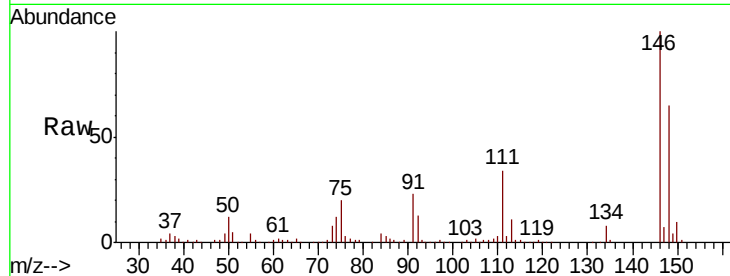
#91
 1,2-Dichlorobenzene
 Concen: 21.648 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1004SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.4	21.4	64.3
148	64.8	32.2	96.6

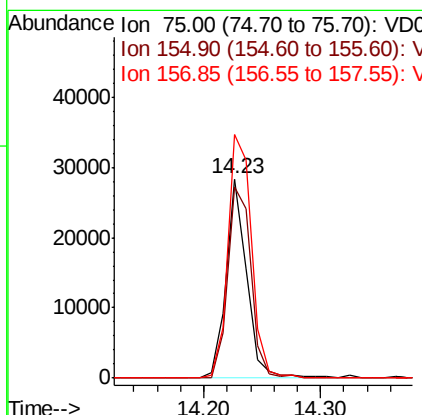
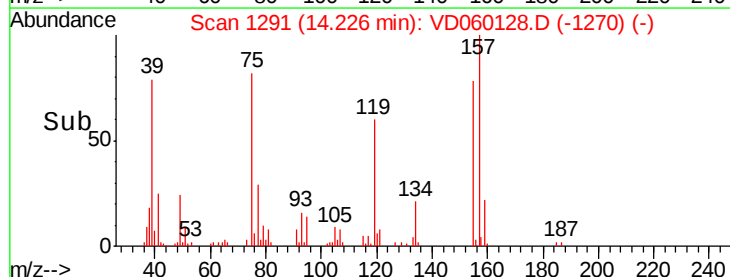
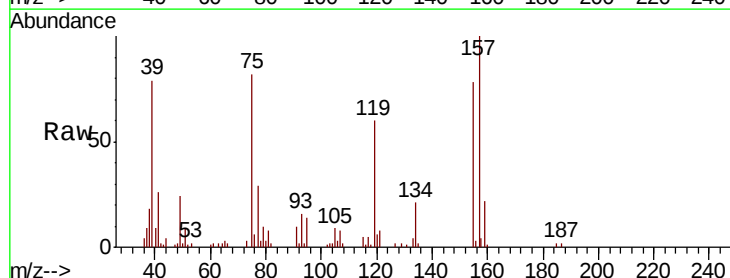
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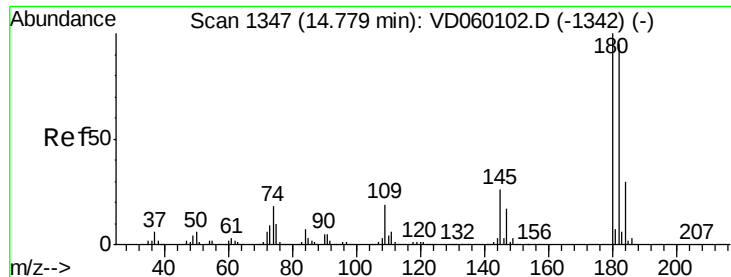
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.648 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060128.D
 Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	55.9	167.7
157	122.4	73.3	219.8





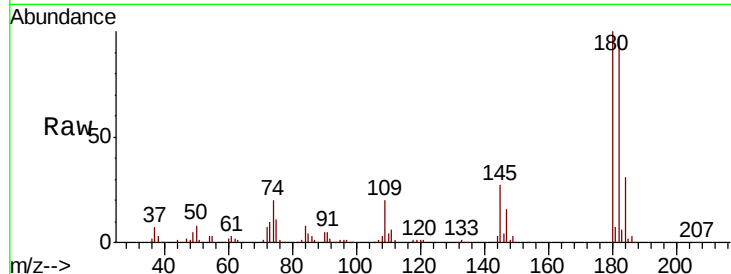
#93
1,2,4-Trichlorobenzene
Concen: 20.269 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBSD01

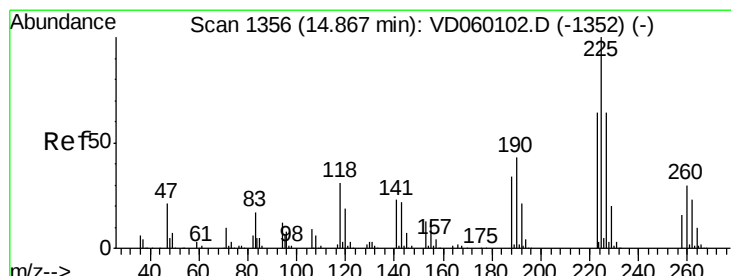
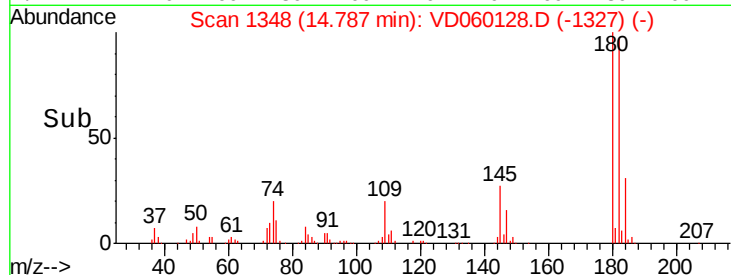
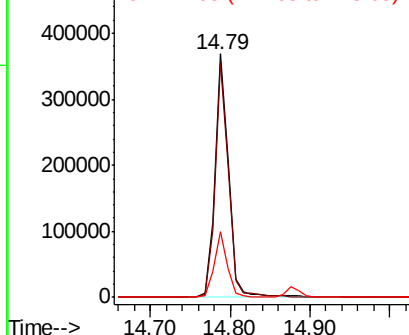
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.8
145	26.8	13.0	38.9

Manual Integrations
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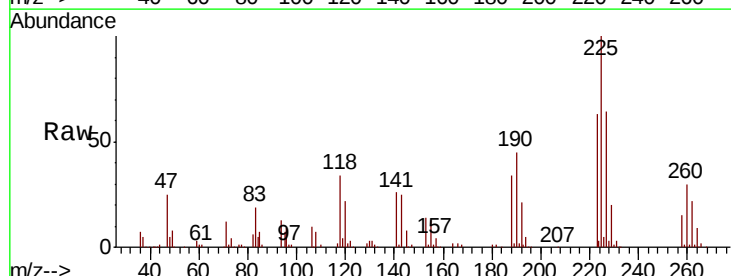


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

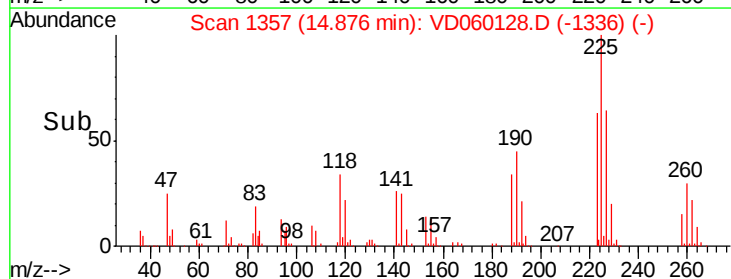
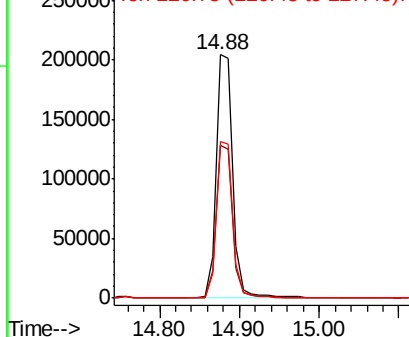


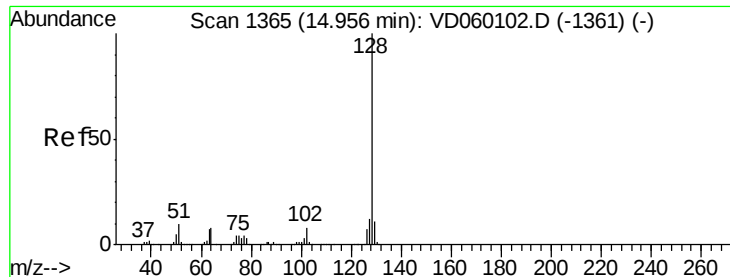
#94
Hexachlorobutadiene
Concen: 20.470 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.8	95.4
227	64.1	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V





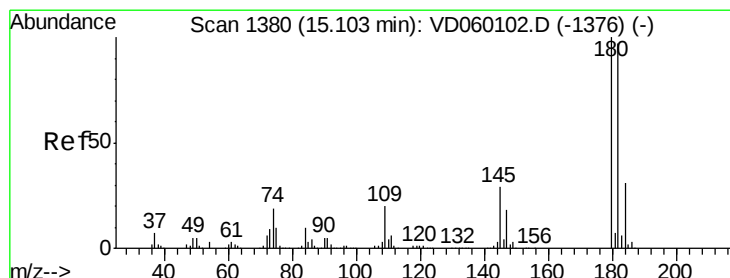
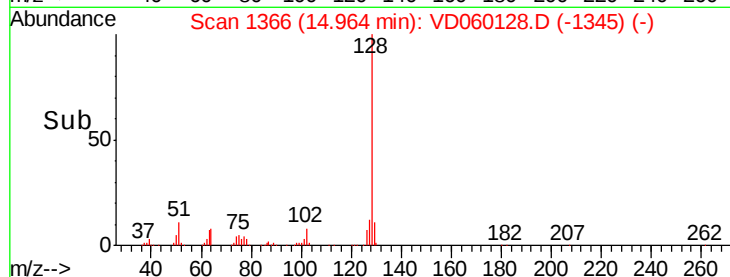
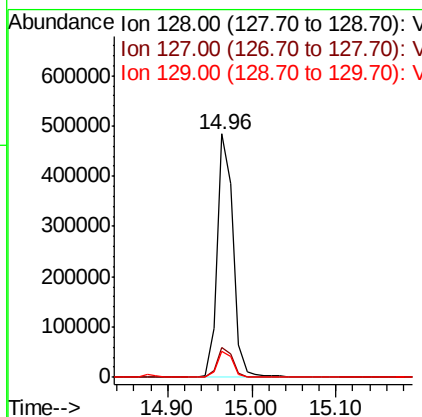
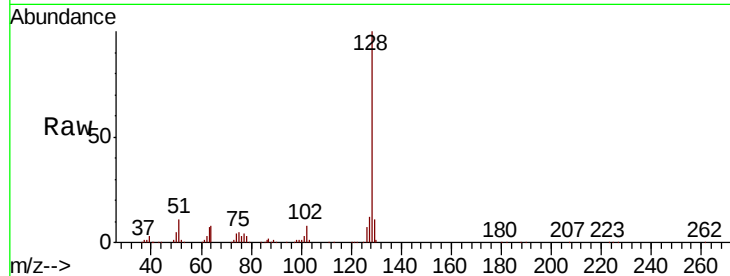
#95
Naphthalene
Concen: 19.327 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1004SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.9	14.9
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.882 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060128.D
Acq: 4 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.0
145	28.3	14.5	43.6

