

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060242.D
 Acq On : 31 Oct 2018 15:27
 Operator : VA/AP
 Sample : VD1031SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:59:28 AM

Quant Time: Nov 01 00:13:48 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	6.41	168	1506759	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2114744	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1738153	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	947574	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	602013	52.71	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.42%	
35) Dibromofluoromethane	6.33	113	837273	52.14	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	9.46	98	2272267	49.62	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.43	95	884142	51.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	282810	19.953	ug/l	95
3) Chloromethane	1.76	50	302902	23.700	ug/l	98
4) Vinyl Chloride	1.85	62	245155	23.439	ug/l	99
5) Bromomethane	2.14	94	21128	16.087	ug/l	88
6) Chloroethane	2.25	64	51675	18.105	ug/l	94
7) Trichlorofluoromethane	2.50	101	263667	21.053	ug/l	99
8) Diethyl Ether	2.83	74	64528	25.057	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.08	101	191736	24.575	ug/l	97
10) Methyl Iodide	3.25	142	163436	19.753	ug/l	98
11) Tert butyl alcohol	3.99	59	90357	110.308	ug/l	98
12) 1,1-Dichloroethene	3.07	96	161051	26.202	ug/l	87
13) Acrolein	2.98	56	38232	75.714	ug/l	97
14) Allyl chloride	3.54	41	313214	24.536	ug/l	100
15) Acrylonitrile	4.09	53	403000	118.862	ug/l	98
16) Acetone	3.16	43	299495	144.512	ug/l	98
17) Carbon Disulfide	3.31	76	459509	22.231	ug/l	99
18) Methyl Acetate	3.56	43	116062	26.055	ug/l	95
19) Methyl tert-butyl Ether	4.13	73	644847	23.862	ug/l	98
20) Methylene Chloride	3.72	84	435921	24.532	ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	352786	22.224	ug/l	98
22) Diisopropyl ether	4.86	45	1359219	23.842	ug/l	98
23) Vinyl Acetate	4.81	43	3912763	122.099	ug/l	98
24) 1,1-Dichloroethane	4.76	63	604100	23.370	ug/l	98
25) 2-Butanone	5.63	43	685888	132.474	ug/l	97
26) 2,2-Dichloropropane	5.59	77	482097	24.602	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	389952	23.185	ug/l	96
28) Bromochloromethane	5.93	49	291575	23.212	ug/l	100
29) Tetrahydrofuran	5.96	42	356434	118.520	ug/l	99
30) Chloroform	6.10	83	623643	23.851	ug/l	99
31) Cyclohexane	6.37	56	536833	21.695	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	501534	23.412	ug/l	99
36) 1,1-Dichloropropene	6.53	75	452799	22.407	ug/l	96
37) Ethyl Acetate	5.70	43	322777	24.064	ug/l	99
38) Carbon Tetrachloride	6.51	117	420084	22.904	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	505268	22.006	ug/l	96
40) Benzene	6.80	78	1184990	22.414	ug/l	100
41) Methacrylonitrile	5.93	41	116059m	15.308	ug/l	
42) 1,2-Dichloroethane	6.90	62	350968	23.155	ug/l	100
43) Isopropyl Acetate	8.36	43	405112	22.957	ug/l	99
44) Trichloroethene	7.75	130	357243	21.829	ug/l	97
45) 1,2-Dichloropropane	8.11	63	316659	22.875	ug/l	97
46) Dibromomethane	8.22	93	203069	22.658	ug/l	93
47) Bromodichloromethane	8.50	83	437888	22.931	ug/l	99
48) Methyl methacrylate	8.25	41	234808	23.360	ug/l	98
49) 1,4-Dioxane	8.23	88	44595	450.897	ug/l	98
51) 4-Methyl-2-Pentanone	9.35	43	1319392	118.539	ug/l	99
52) Toluene	9.56	92	781105	22.941	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	398574	23.067	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	496729	23.280	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	262924	23.621	ug/l	98
56) Ethyl methacrylate	10.04	69	282279	22.974	ug/l	95
57) 1,3-Dichloropropane	10.38	76	383781	22.607	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	808929	118.557	ug/l	96
59) 2-Hexanone	10.49	43	1071334	133.856	ug/l	99
60) Dibromochloromethane	10.65	129	318838	23.346	ug/l	100
61) 1,2-Dibromoethane	10.77	107	277186	23.437	ug/l	96
64) Tetrachloroethene	10.26	164	330275	21.695	ug/l	99
65) Chlorobenzene	11.32	112	857031	22.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	301822	24.061	ug/l	97
67) Ethyl Benzene	11.43	91	1453292	23.854	ug/l	97
68) m/p-Xylenes	11.57	106	1089155	47.847	ug/l	96
69) o-Xylene	11.94	106	517613	22.989	ug/l	95
70) Styrene	11.96	104	878859	23.341	ug/l	99
71) Bromoform	12.12	173	231859	22.826	ug/l	98
73) Isopropylbenzene	12.28	105	1418246	22.687	ug/l	100
74) N-amyl acetate	12.14	43	524067	22.887	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	307385	22.523	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	313959	23.007	ug/l	97
77) Bromobenzene	12.55	156	403036	22.186	ug/l	84
78) n-propylbenzene	12.64	91	1798417	23.169	ug/l	99
79) 2-Chlorotoluene	12.71	91	990416	22.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	1128798	23.331	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	87579	22.840	ug/l	98
82) 4-Chlorotoluene	12.82	91	1130659	23.204	ug/l	100
83) tert-Butylbenzene	13.05	119	1263705	22.761	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	1170270	22.950	ug/l	98
85) sec-Butylbenzene	13.23	105	1440979	21.951	ug/l	99
86) p-Isopropyltoluene	13.35	119	1242682	23.079	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	725802	22.932	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	710898	22.362	ug/l	98
89) n-Butylbenzene	13.65	91	1274470	24.258	ug/l	100
90) Hexachloroethane	13.86	117	285610	22.920	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	632593	23.771	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	42663	23.412	ug/l	93

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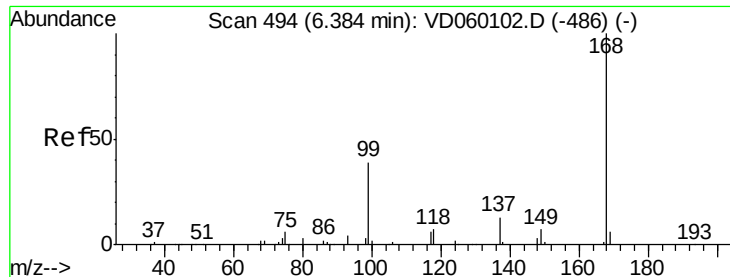
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	501763	22.214	ug/l	98
94) Hexachlorobutadiene	14.88	225	329269	21.930	ug/l	99
95) Naphthalene	14.97	128	723379	21.605	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	432205	21.996	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion:168 Resp: 1506759

Ion Ratio Lower Upper

168 100

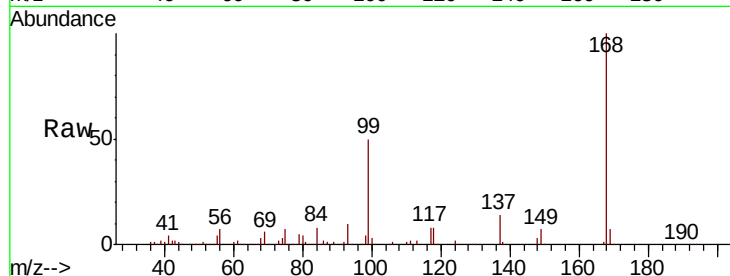
99 49.7 35.4 53.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.41

600000

500000

400000

300000

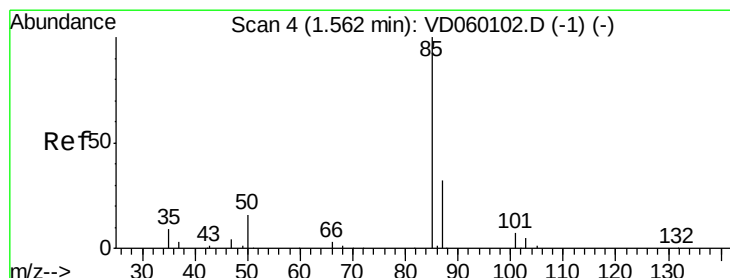
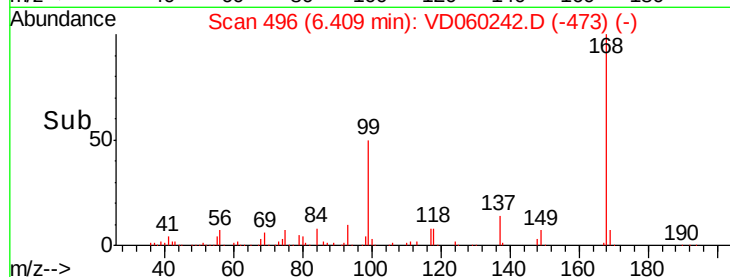
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 19.953 ug/l

RT: 1.59 min Scan# 6

Delta R.T. 0.03 min

Lab File: VD060242.D

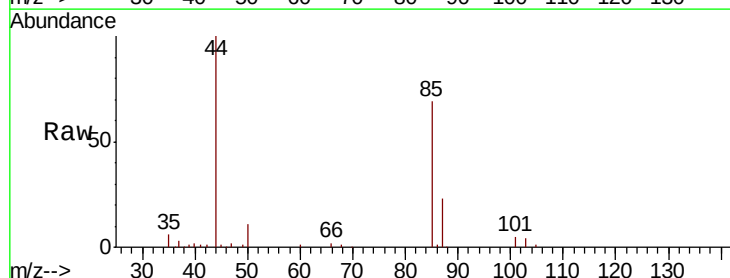
Acq: 31 Oct 2018 15:27

Tgt Ion: 85 Resp: 282810

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.59

100000

80000

60000

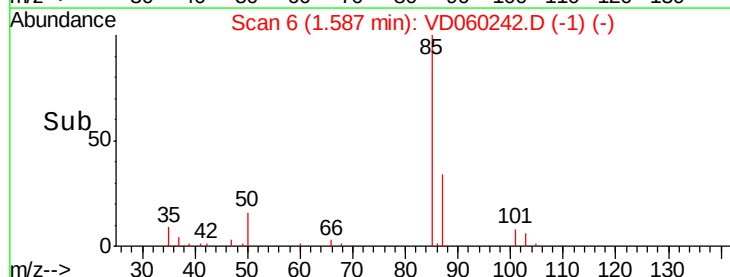
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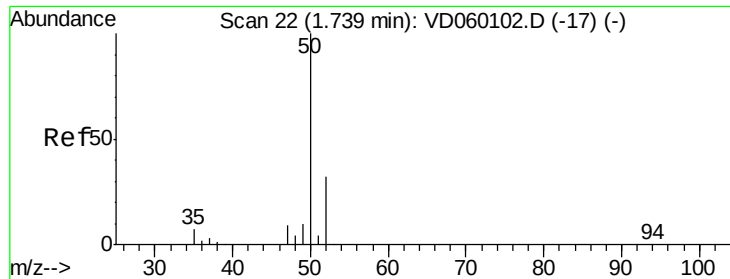
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 23.700 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 50 Resp: 302902

Ion Ratio Lower Upper

50 100

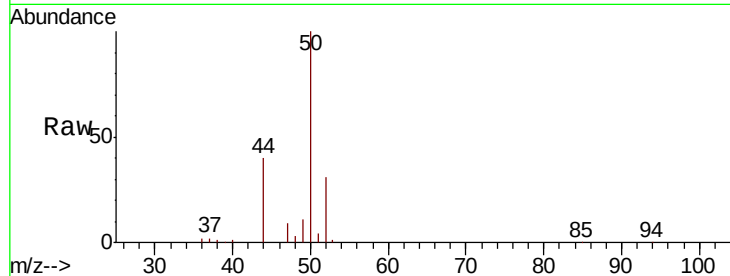
52 30.7 25.3 37.9

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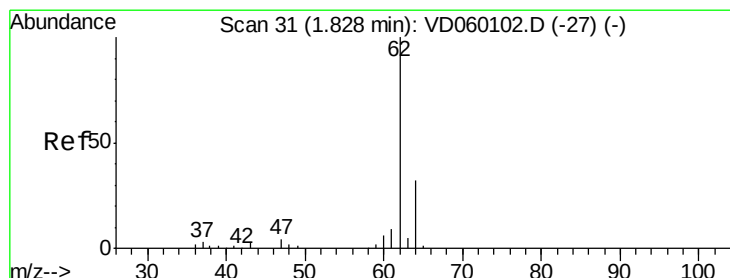
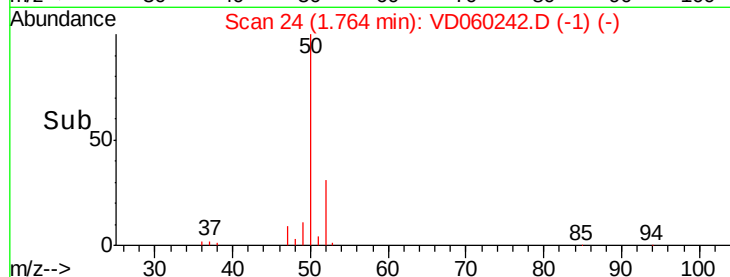
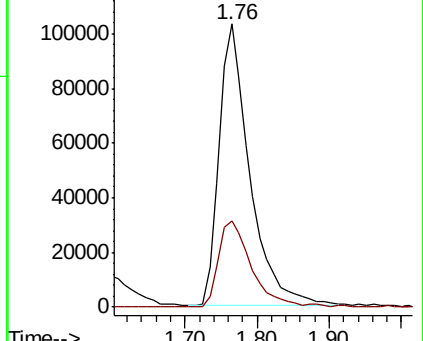
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.439 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060242.D

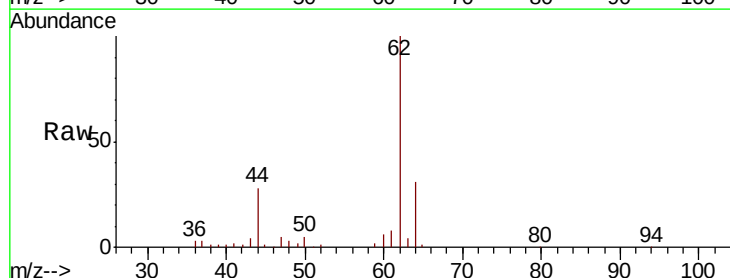
Acq: 31 Oct 2018 15:27

Tgt Ion: 62 Resp: 245155

Ion Ratio Lower Upper

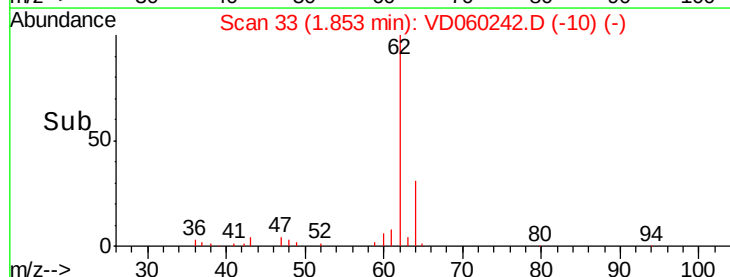
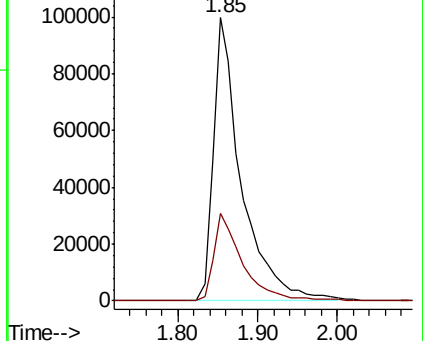
62 100

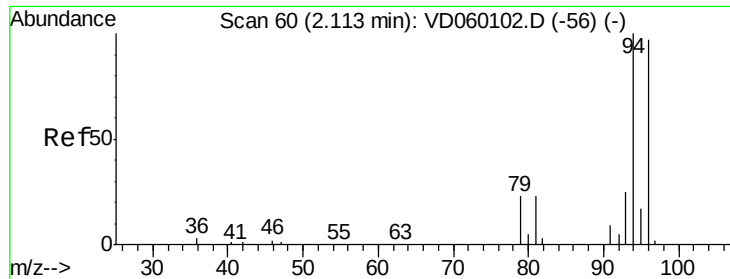
64 31.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.087 ug/l

RT: 2.14 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 94 Resp: 21128

Ion Ratio Lower Upper

94 100

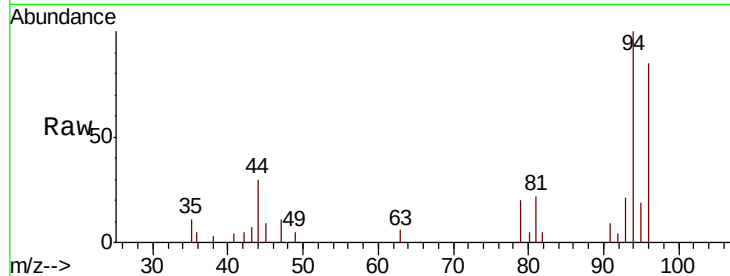
96 85.3 77.4 116.2

Manual Integrations

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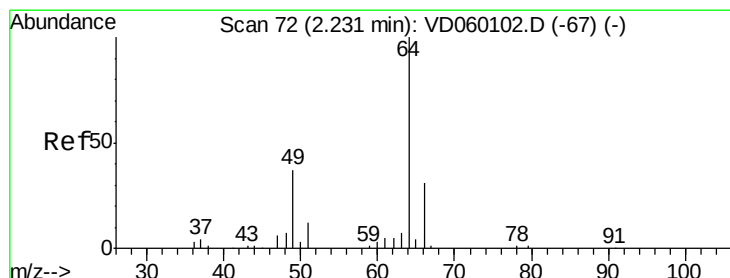
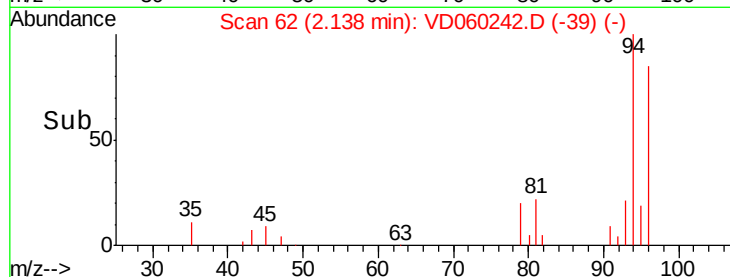
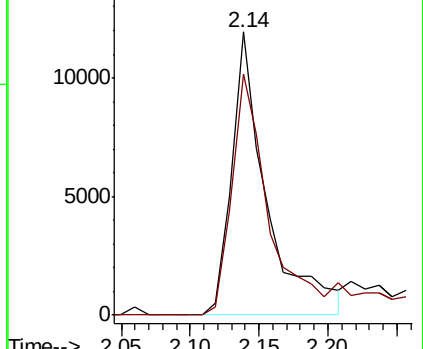
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.105 ug/l

RT: 2.25 min Scan# 73

Delta R.T. 0.02 min

Lab File: VD060242.D

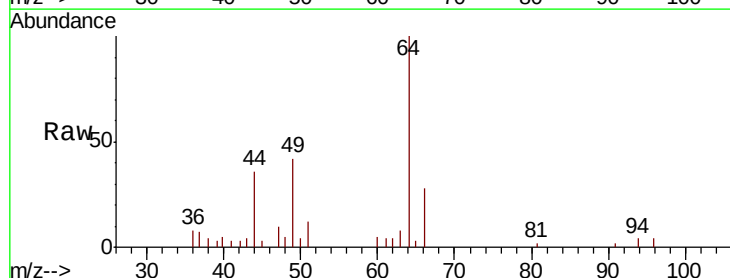
Acq: 31 Oct 2018 15:27

Tgt Ion: 64 Resp: 51675

Ion Ratio Lower Upper

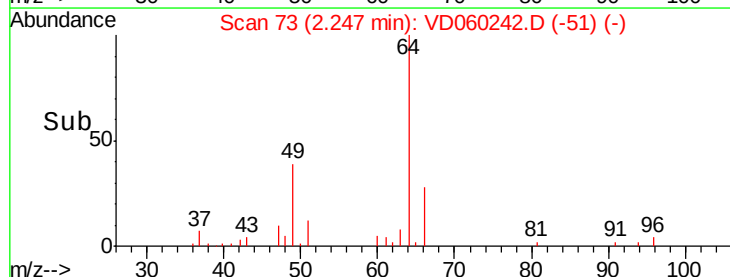
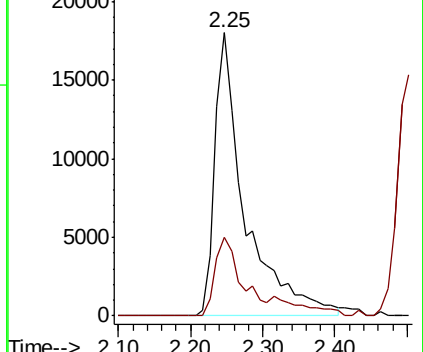
64 100

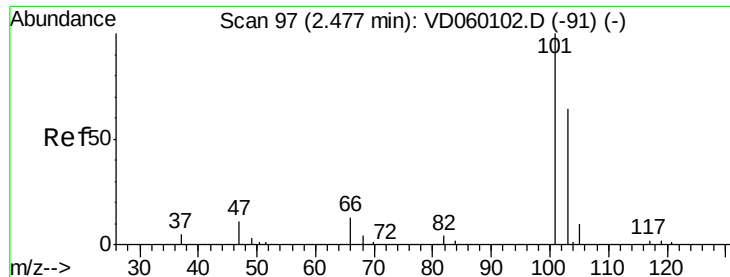
66 27.8 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

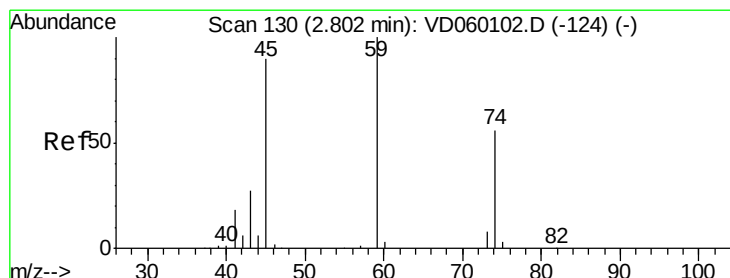
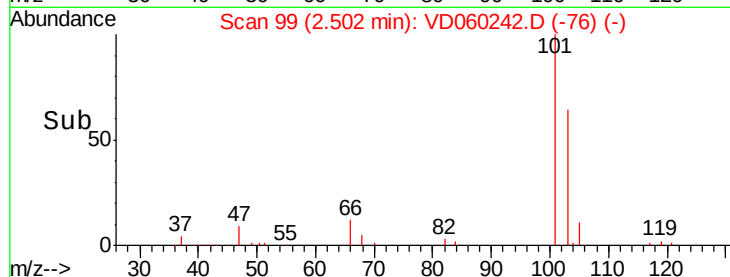
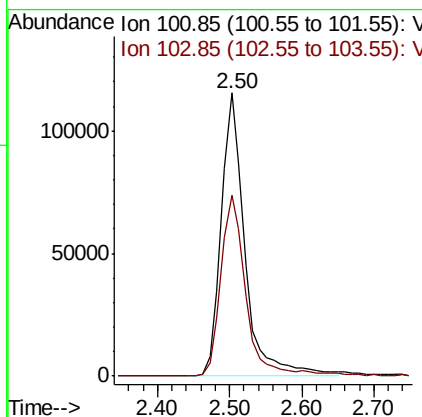
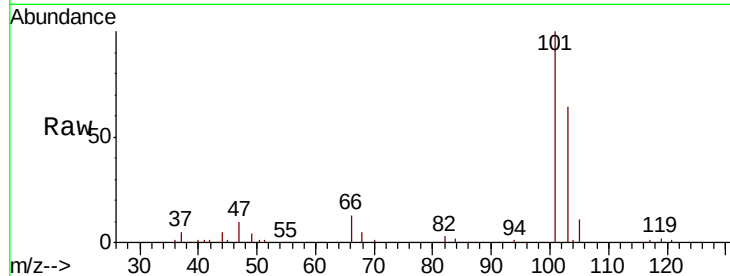
Trichlorofluoromethane
Concen: 21.053 ug/l
RT: 2.50 min Scan# 99
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	263667		
103	63.8	51.5	77.3	

Manual Integrations
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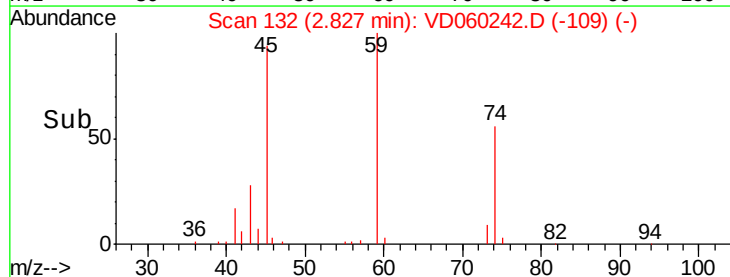
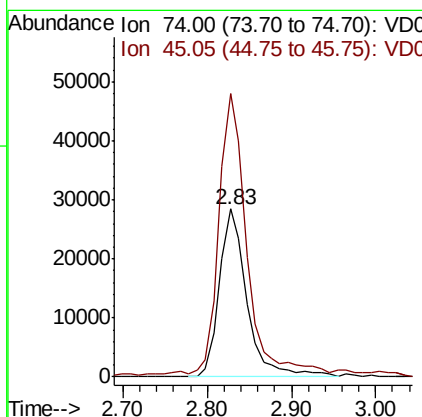
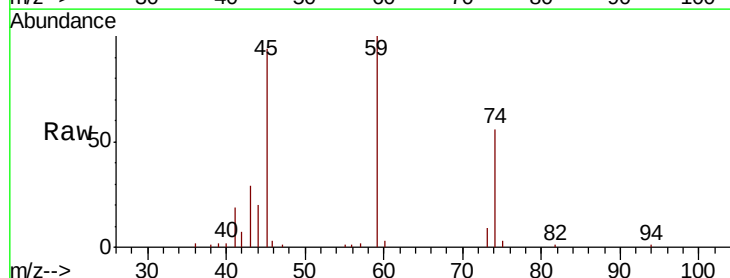
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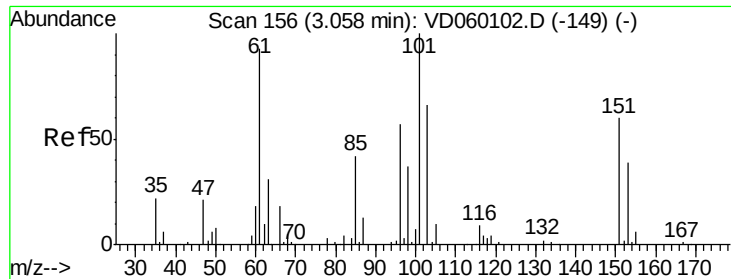


#8

Diethyl Ether
Concen: 25.057 ug/l
RT: 2.83 min Scan# 132
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	64528		
45	168.6	80.3	241.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.575 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

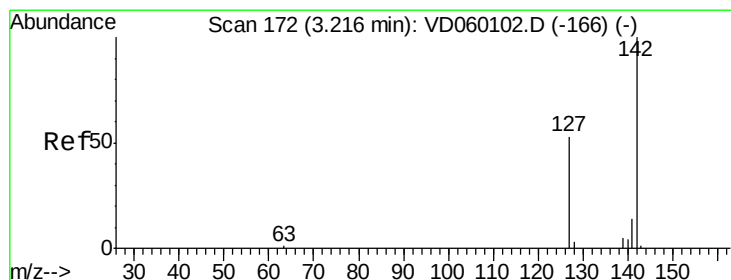
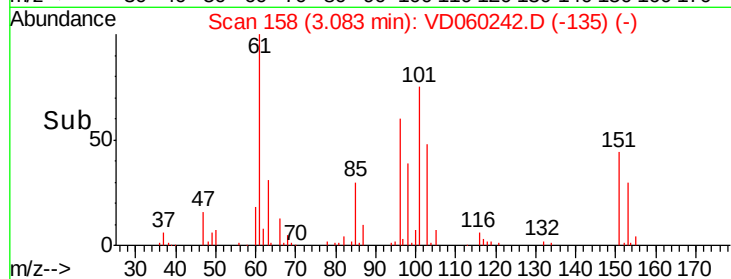
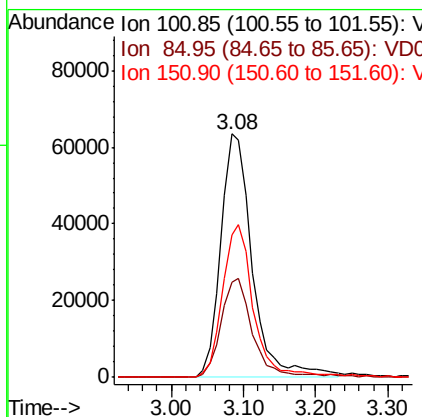
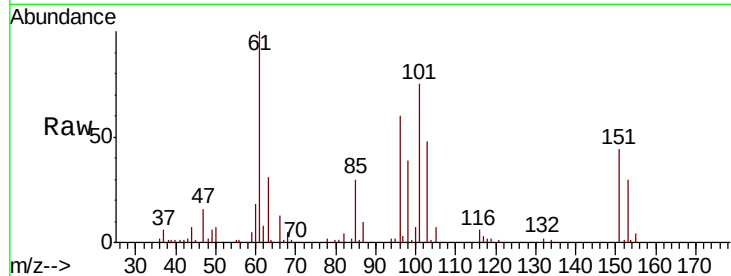
ClientSampleId :

VD1031SBS01

Tot Ion:	101	Resp:	191736
Ion Ratio	Lower	Upper	
101	100		
85	39.3	33.4	50.0
151	58.7	48.0	72.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.753 ug/l

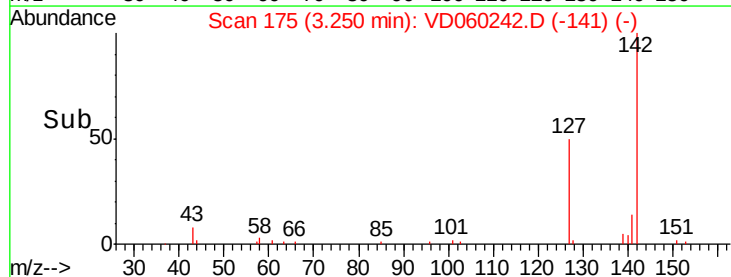
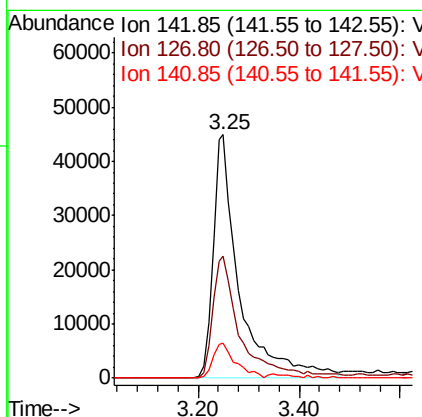
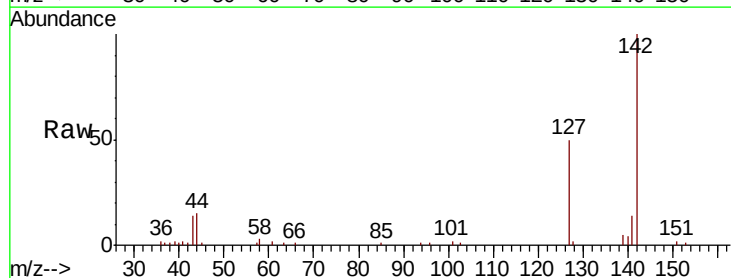
RT: 3.25 min Scan# 175

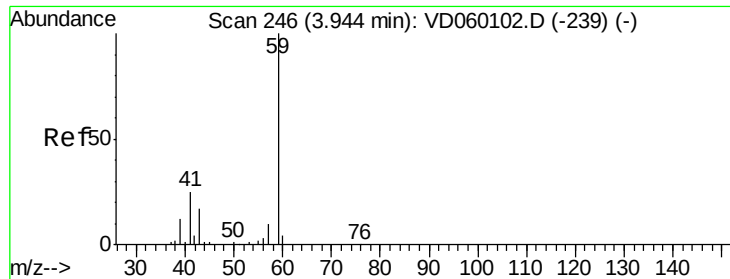
Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Tgt Ion:	142	Resp:	163436
Ion Ratio	Lower	Upper	
142	100		
127	50.4	42.0	63.0
141	14.1	11.4	17.0





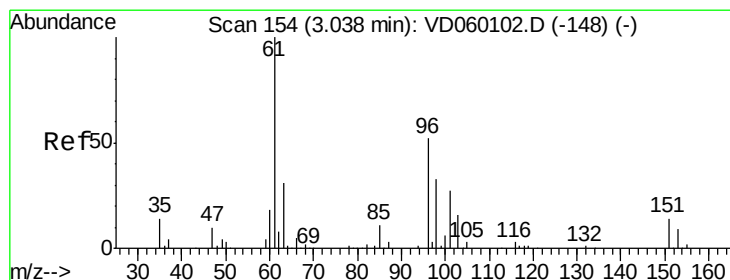
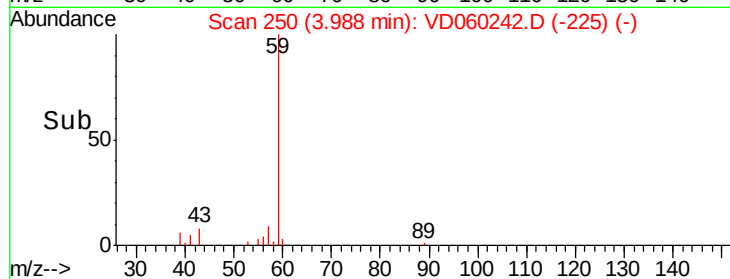
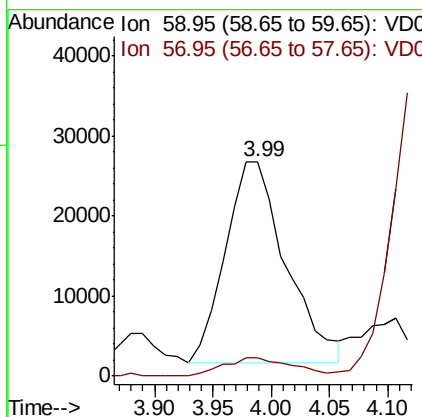
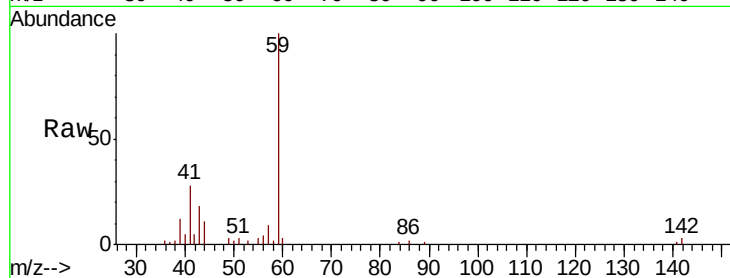
#11
Tert butyl alcohol
Concen: 110.308 ug/l
RT: 3.99 min Scan# 250
Delta R.T. 0.04 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion	59	Resp	90357
Ion Ratio	100	Lower	Upper
57	8.8	7.8	11.6

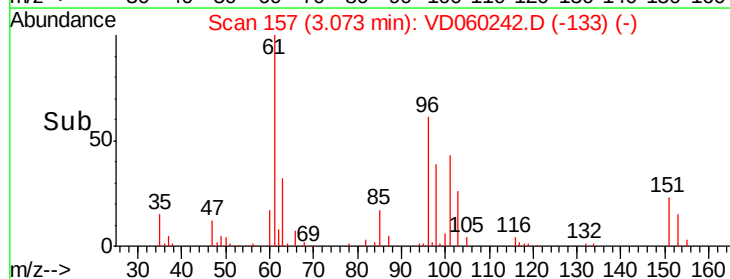
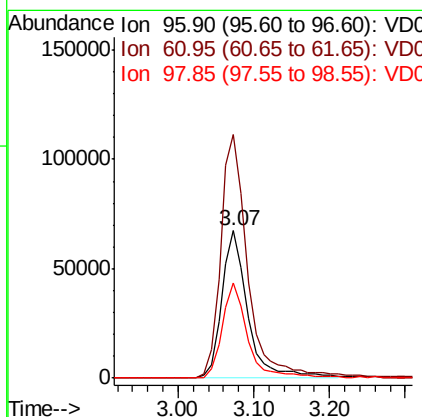
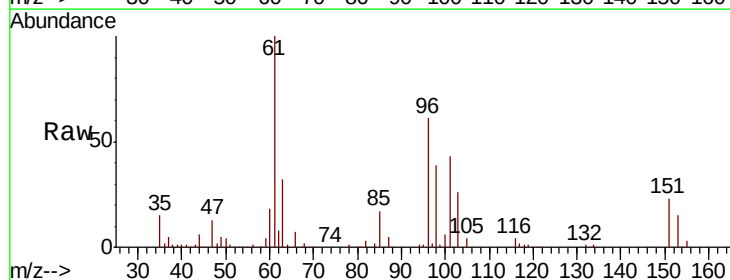
Manual Integrations
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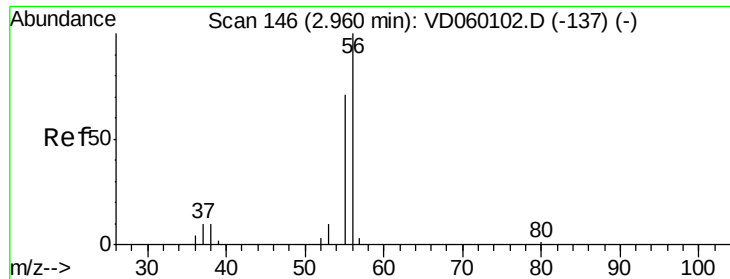
MMDadoda
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#12
1,1-Dichloroethene
Concen: 26.202 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	96	Resp	161051
Ion Ratio	100	Lower	Upper
61	165.1	153.0	229.4
98	64.1	51.1	76.7





#13

Acrolein

Concen: 75.714 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 56 Resp: 38232

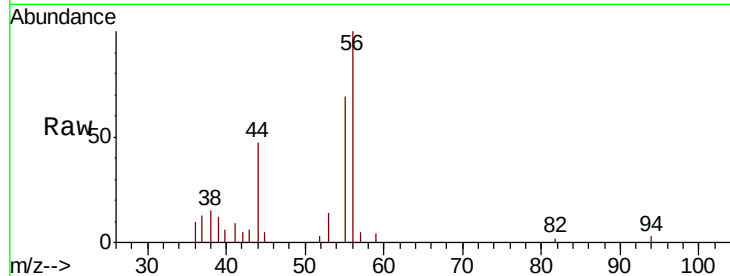
Ion Ratio Lower Upper

56 100

55 68.9 57.4 86.2

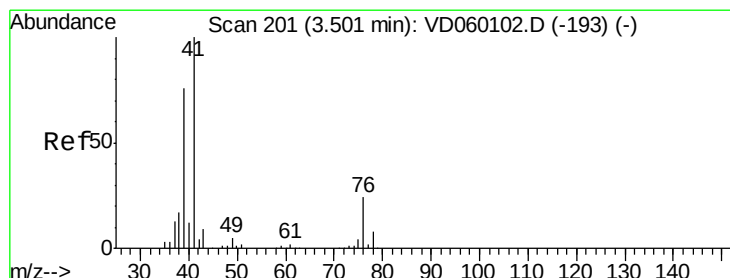
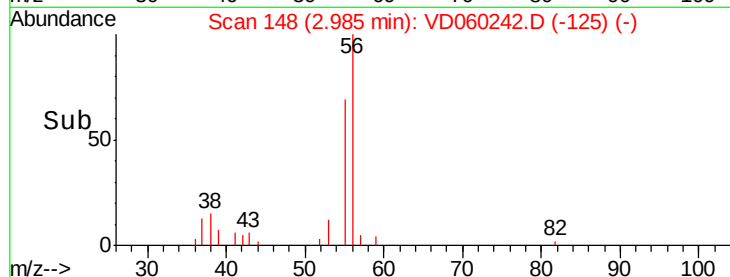
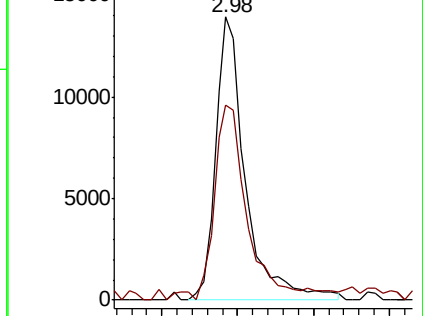
Manual Integrations
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 24.536 ug/l

RT: 3.54 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

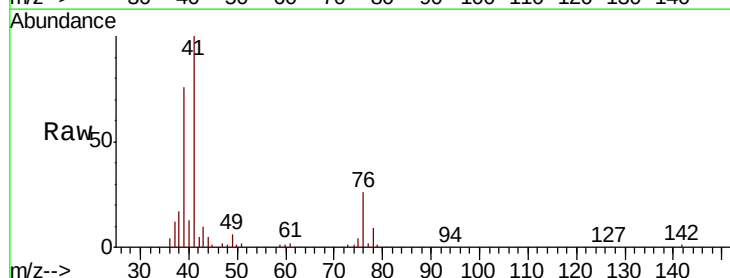
Tgt Ion: 41 Resp: 313214

Ion Ratio Lower Upper

41 100

39 75.6 60.6 90.8

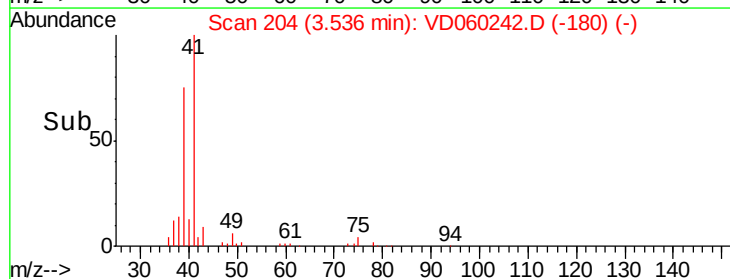
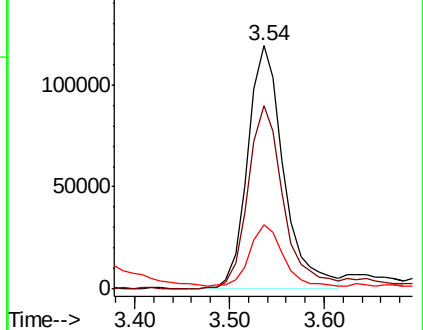
76 26.3 21.3 31.9

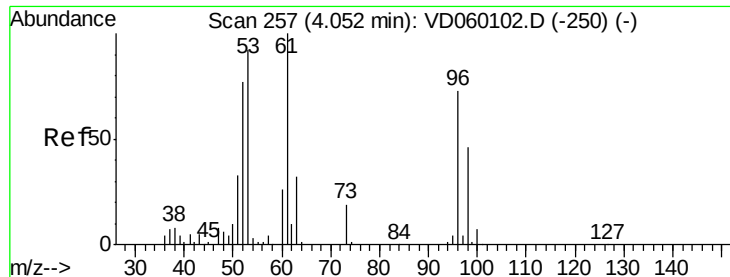


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 118.862 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

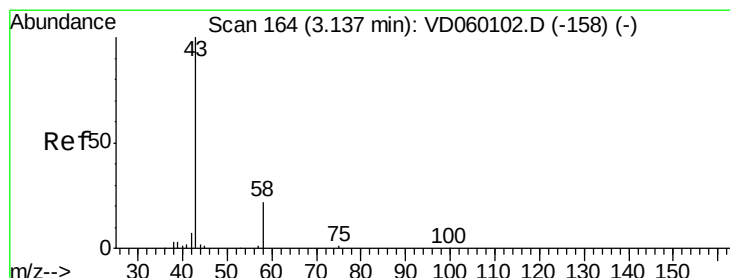
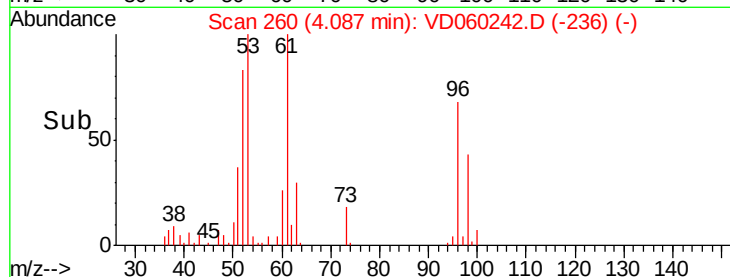
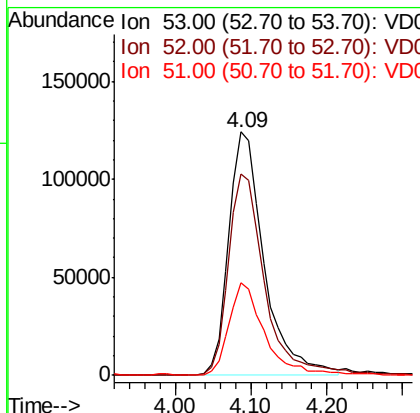
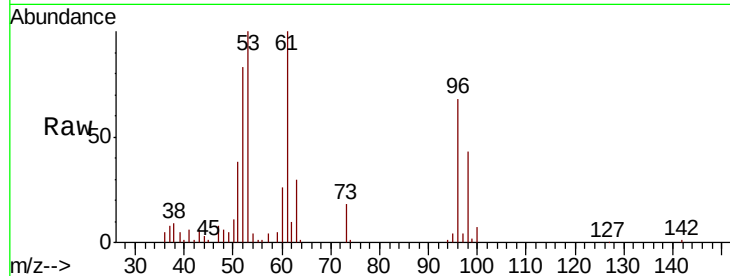
ClientSampleId :

VD1031SBS01

Tot Ion:	53	Resp:	403000
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.5	101.3
51	38.2	29.3	43.9

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#16

Acetone

Concen: 144.512 ug/l

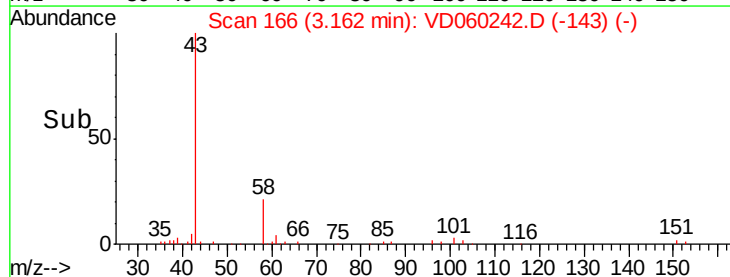
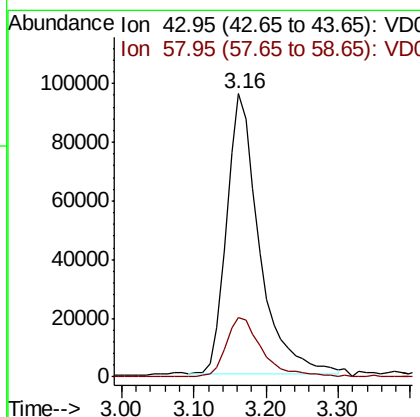
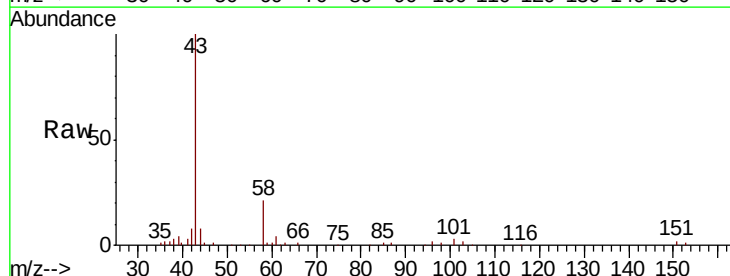
RT: 3.16 min Scan# 166

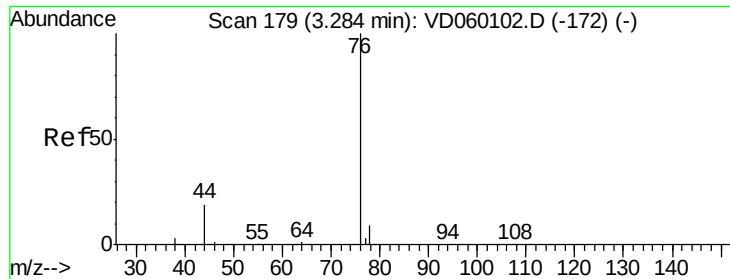
Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Tgt Ion:	43	Resp:	299495
Ion	Ratio	Lower	Upper
43	100		
58	21.1	17.7	26.5





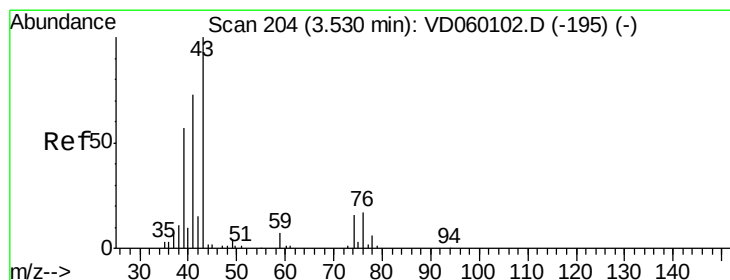
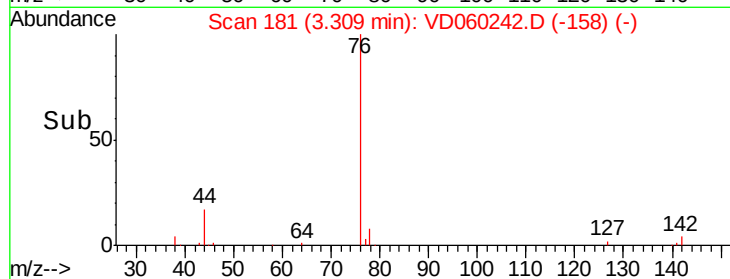
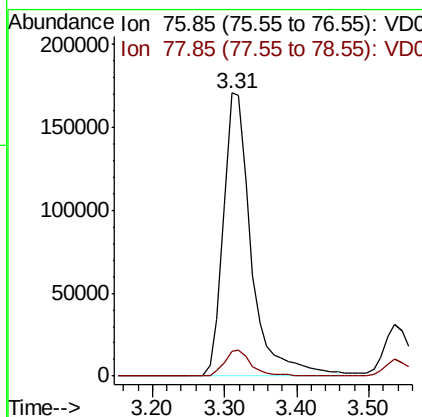
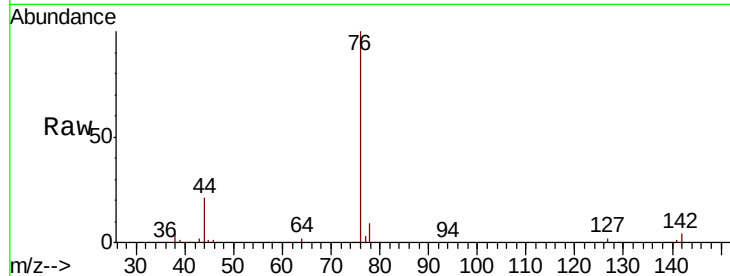
#17
Carbon Disulfide
Concen: 22.231 ug/l
RT: 3.31 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

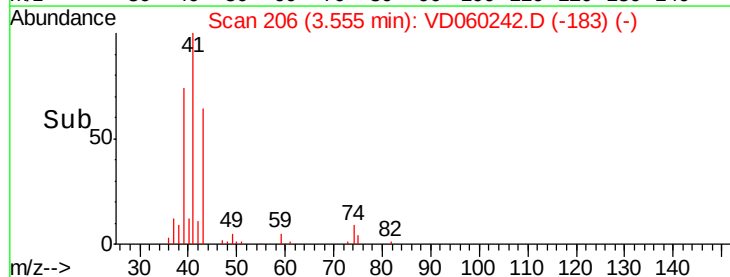
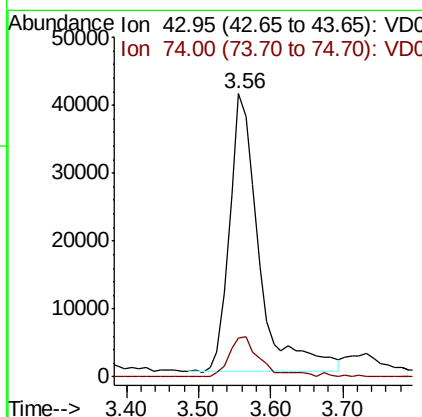
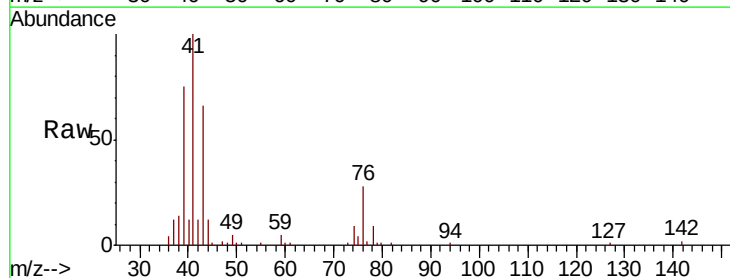
Manual Integrations
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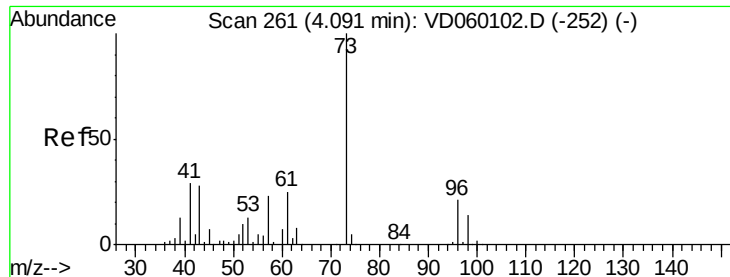
MMDadoda
11/1/2018 11:59:28 AM



#18
Methyl Acetate
Concen: 26.055 ug/l
RT: 3.56 min Scan# 206
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.6	12.6	19.0





#19

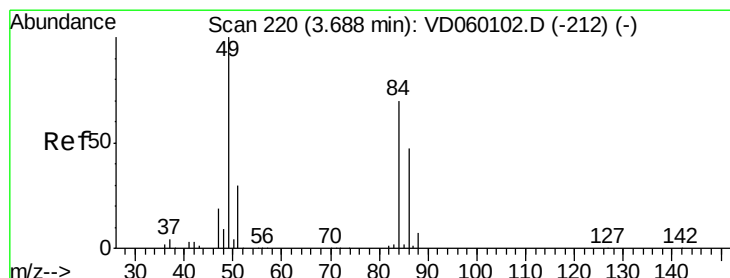
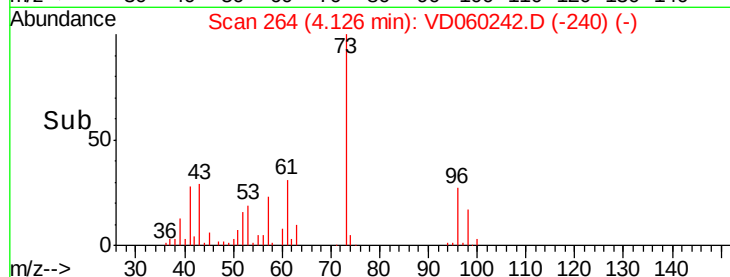
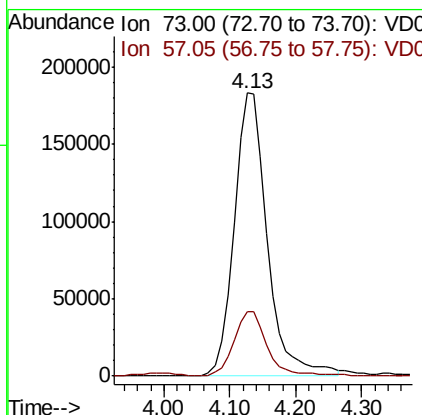
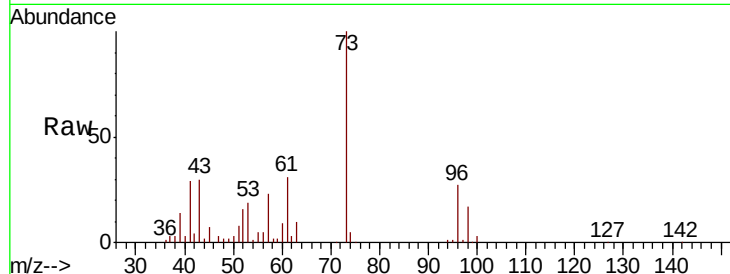
Methyl tert-butyl Ether
 Concen: 23.862 ug/l
 RT: 4.13 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.7	28.1

Manual Integrations
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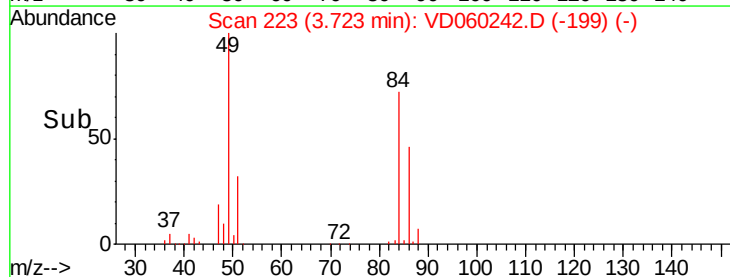
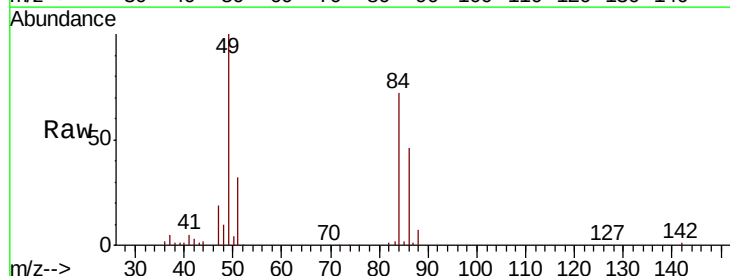
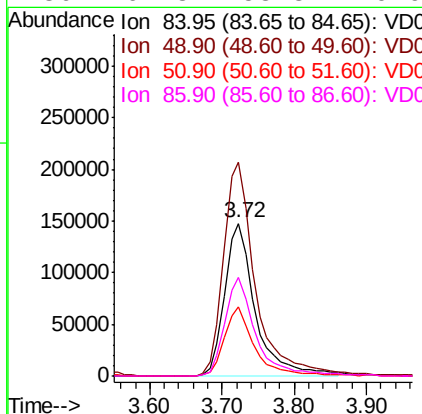
MMDadoda
 11/1/2018 11:59:28 AM

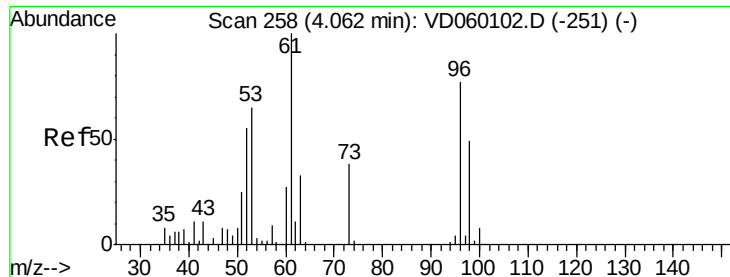


#20

Methylene Chloride
 Concen: 24.532 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. 0.04 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.7	114.6	172.0
51	45.0	33.8	50.8
86	64.8	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 22.224 ug/l

RT: 4.10 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 96 Resp: 352786

Ion Ratio Lower Upper

96 100

61 131.4 103.3 154.9

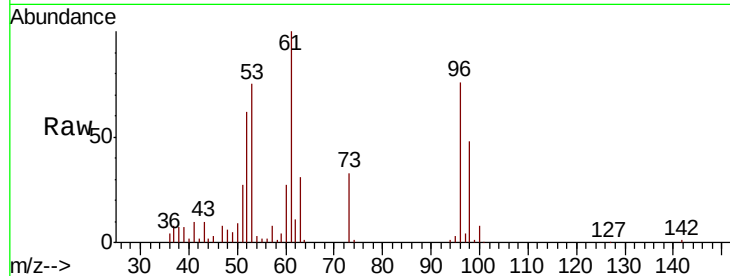
98 63.6 50.4 75.6

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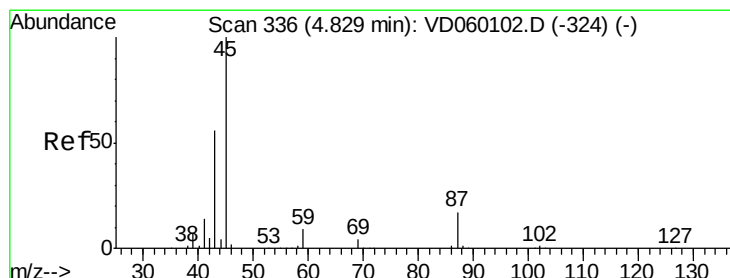
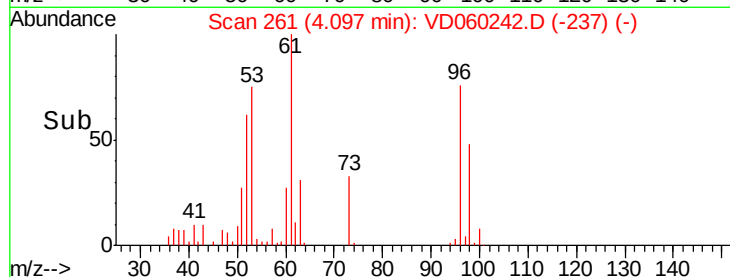
Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

Time-->



#22

Diisopropyl ether

Concen: 23.842 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Tgt Ion: 45 Resp: 1359219

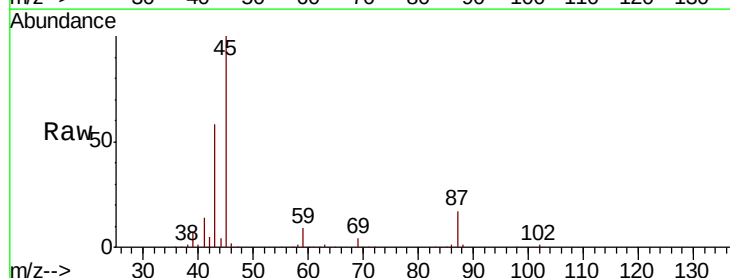
Ion Ratio Lower Upper

45 100

43 57.9 44.8 67.2

87 16.9 13.9 20.9

59 9.0 7.1 10.7



Abundance

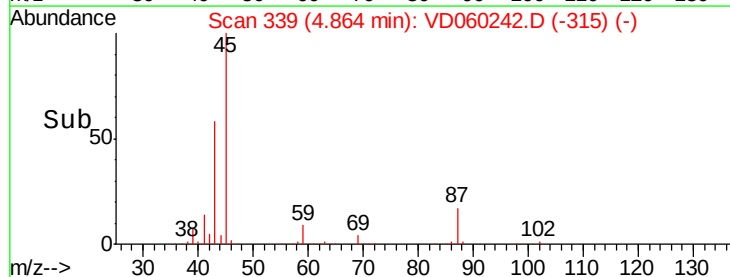
Ion 45.05 (44.75 to 45.75): VDC

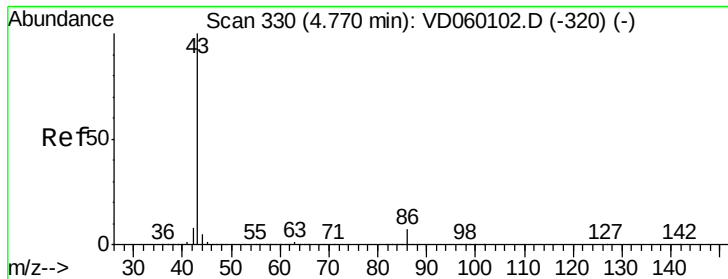
Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

Time-->





#23

Vinyl Acetate

Concen: 122.099 ug/l

RT: 4.81 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 43 Resp: 3912763

Ion Ratio Lower Upper

43 100

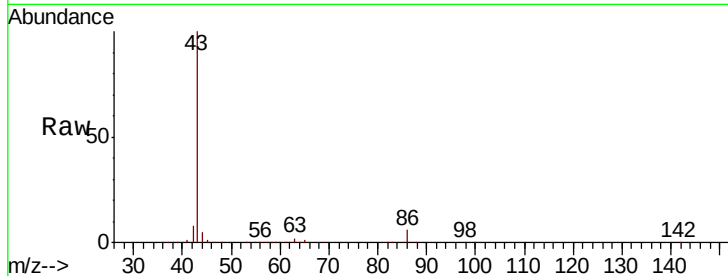
86 6.2 5.6 8.4

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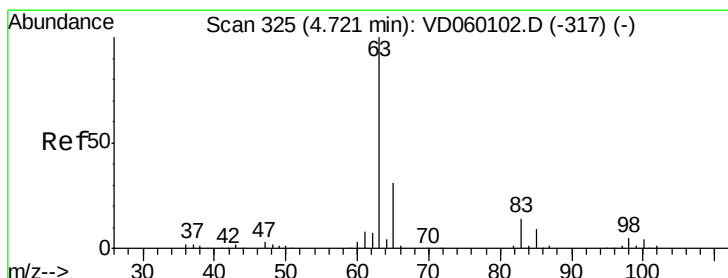
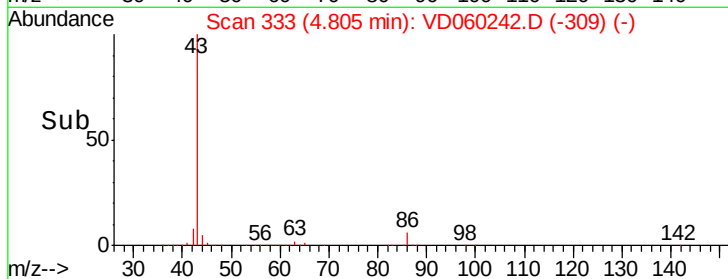
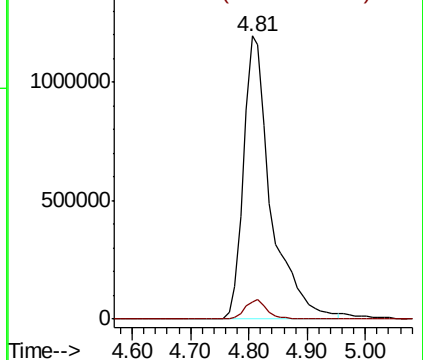
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.370 ug/l

RT: 4.76 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

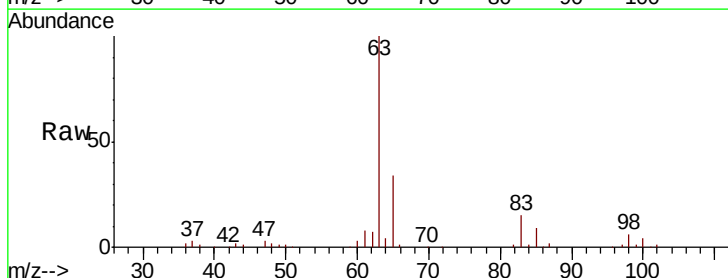
Tgt Ion: 63 Resp: 604100

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

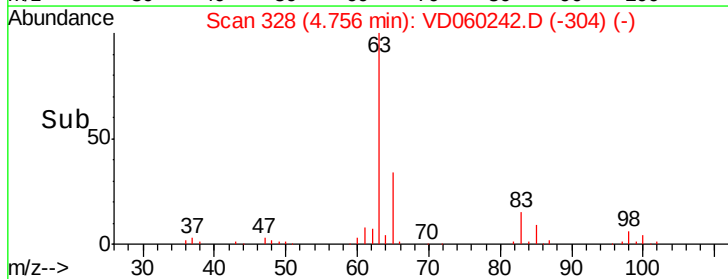
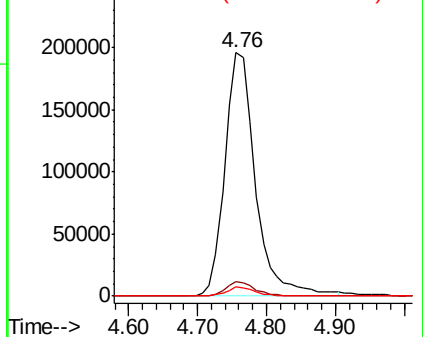
100 4.1 1.8 5.3

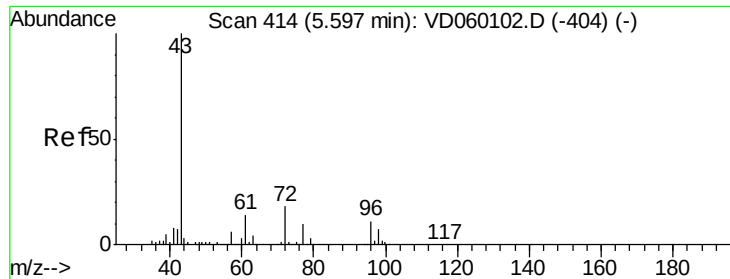


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 132.474 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 43 Resp: 685888

Ion Ratio Lower Upper

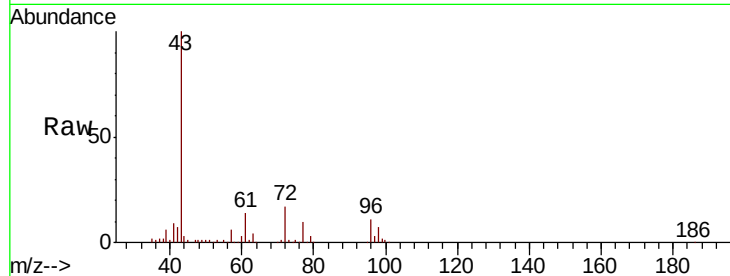
43 100

72 16.7 14.5 21.7

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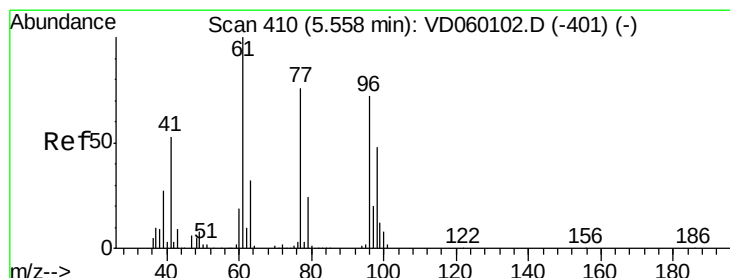
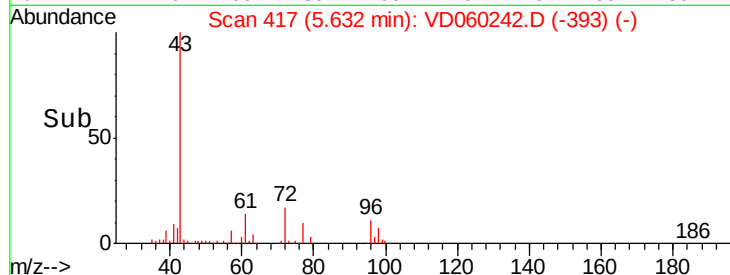
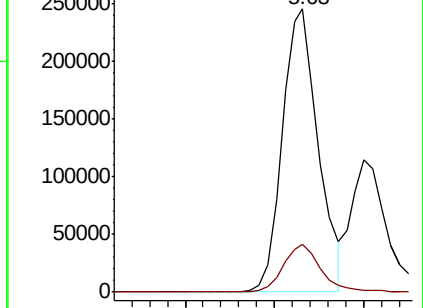
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 24.602 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060242.D

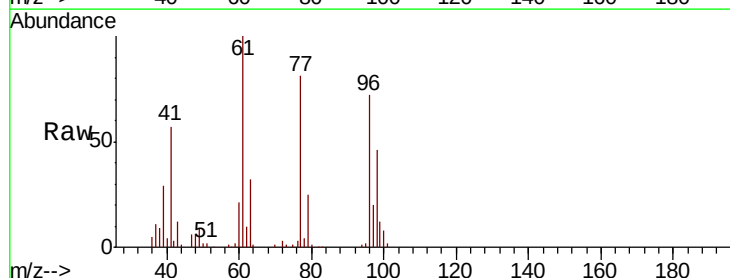
Acq: 31 Oct 2018 15:27

Tgt Ion: 77 Resp: 482097

Ion Ratio Lower Upper

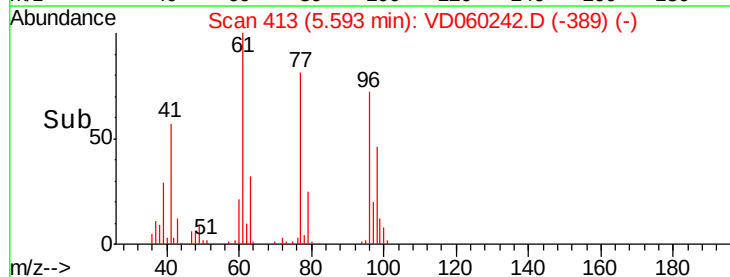
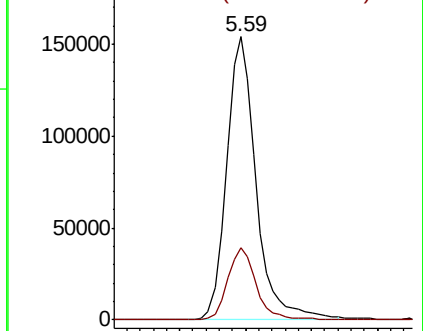
77 100

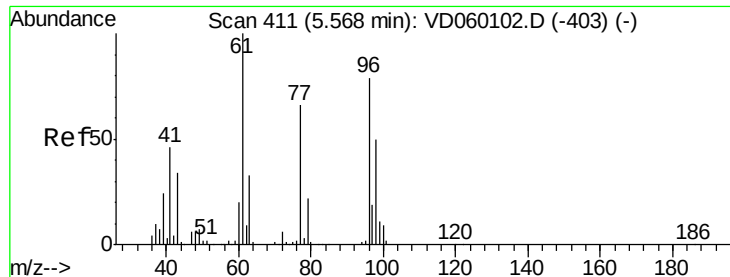
97 25.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

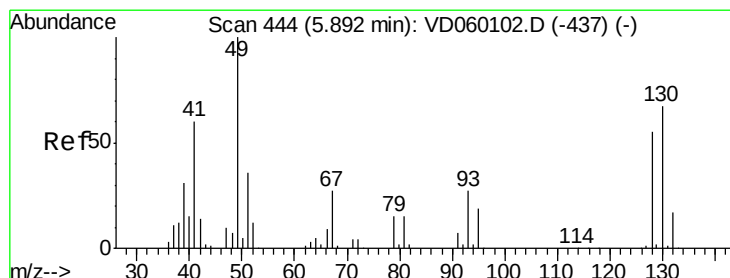
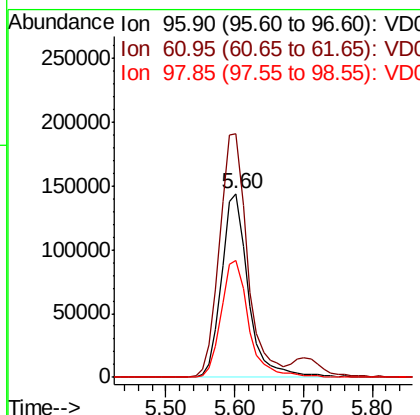
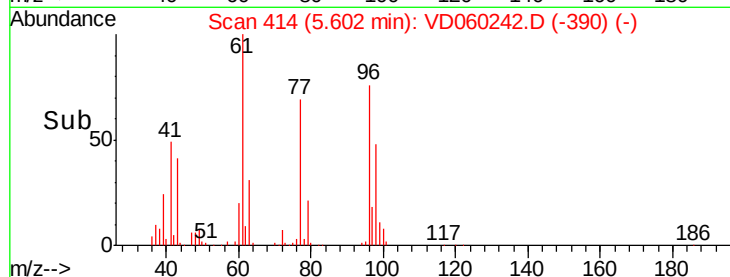
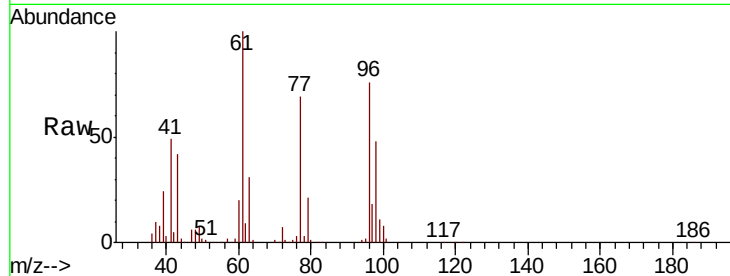
cis-1,2-Dichloroethene
Concen: 23.185 ug/l
RT: 5.60 min Scan# 414
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	389952		
61	132.3	0.0	251.8	
98	63.5	0.0	125.2	

Manual Integrations
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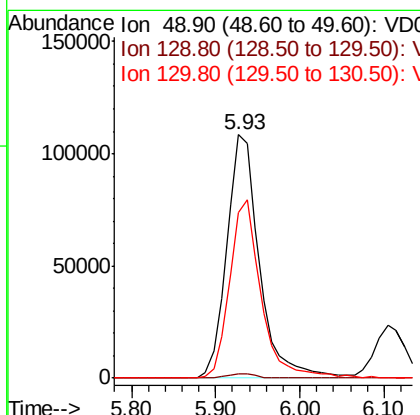
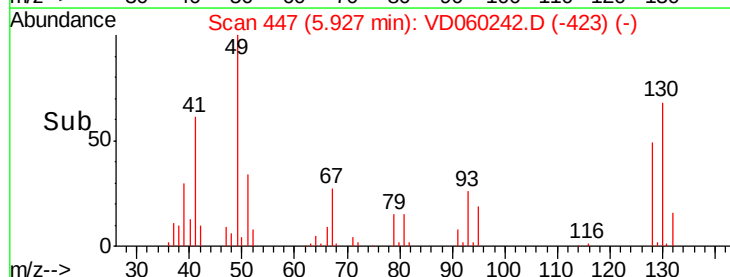
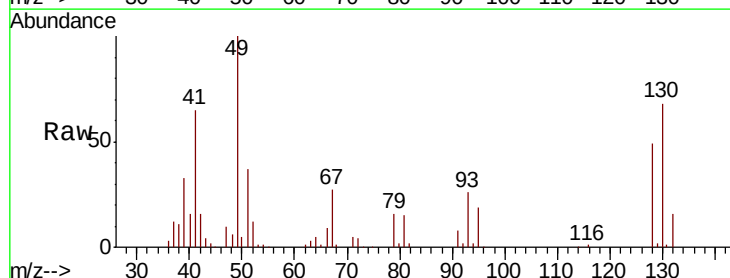
MMDadoda
11/1/2018 11:59:28 AM

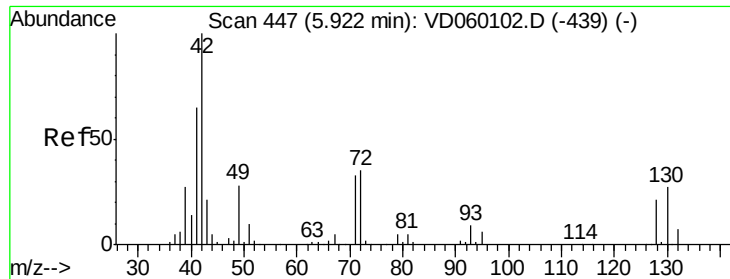


#28

Bromochloromethane
Concen: 23.212 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	291575		
129	1.7	0.0	3.6	
130	67.8	53.9	80.9	





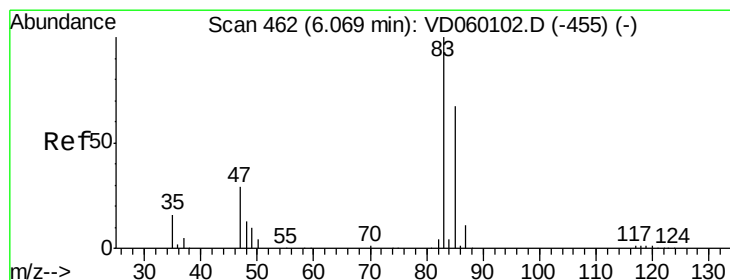
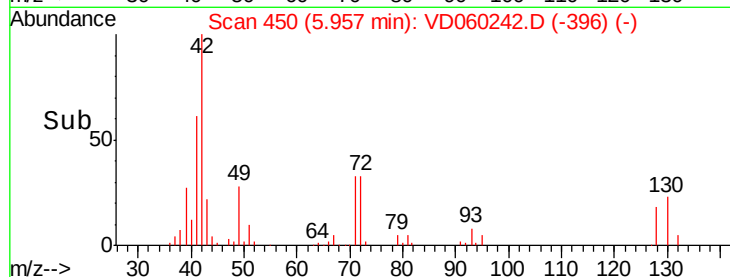
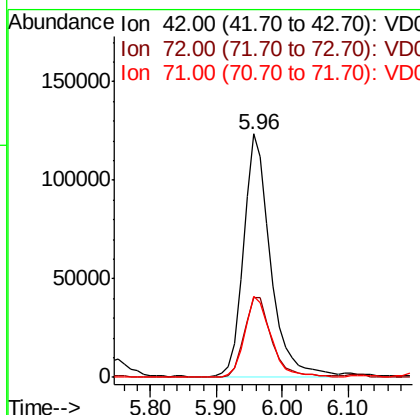
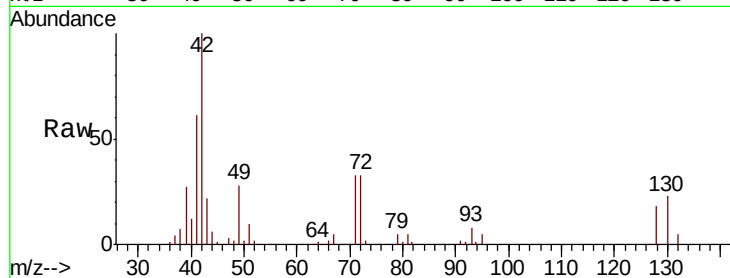
#29
Tetrahydrofuran
Concen: 118.520 ug/l
RT: 5.96 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.4	26.9	40.3
71	32.7	26.7	40.1

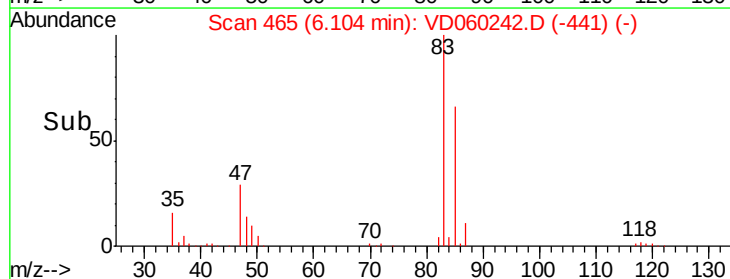
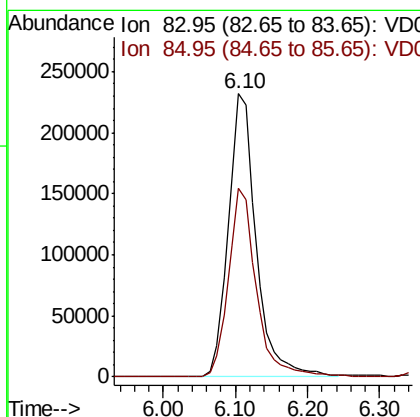
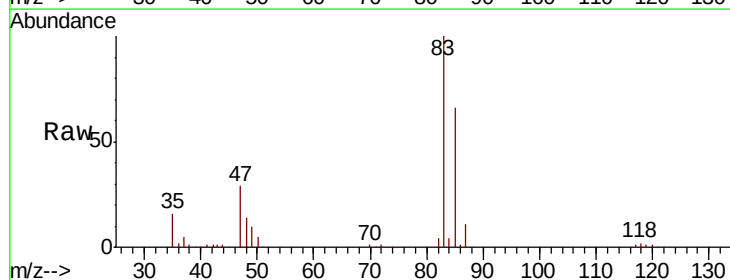
Manual Integrations
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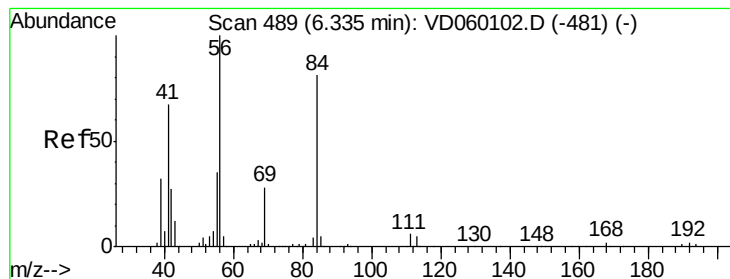
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11/1/2018 11:59:28 AM



#30
Chloroform
Concen: 23.851 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.8	80.8





#31

Cyclohexane

Concen: 21.695 ug/l

RT: 6.37 min Scan# 492

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 56 Resp: 536833

Ion Ratio Lower Upper

56 100

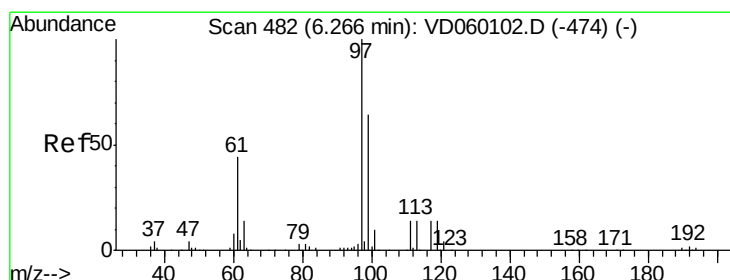
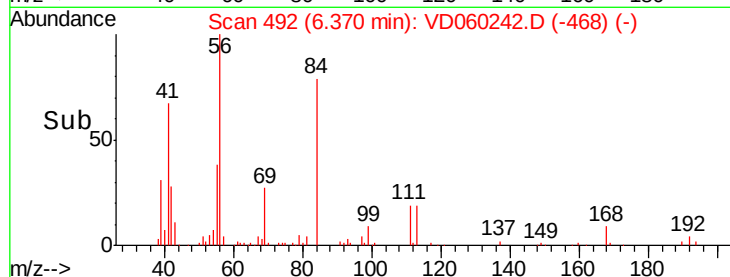
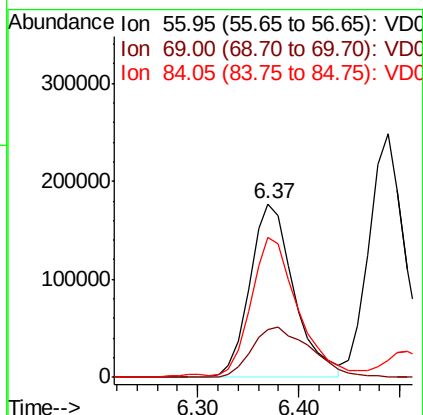
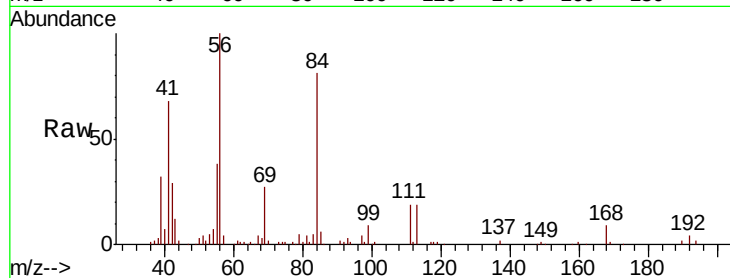
69 27.4 22.8 34.2

84 80.8 64.9 97.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.412 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

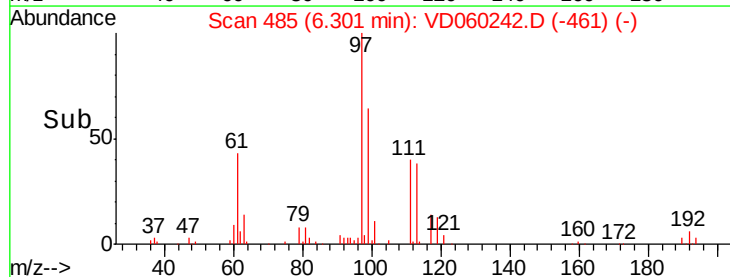
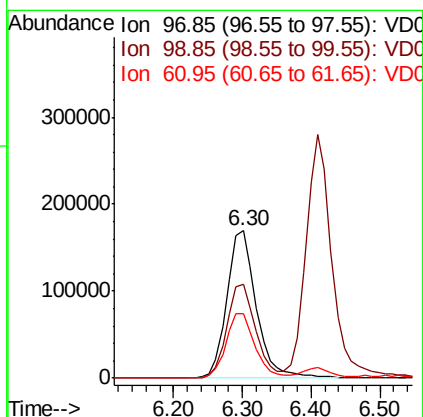
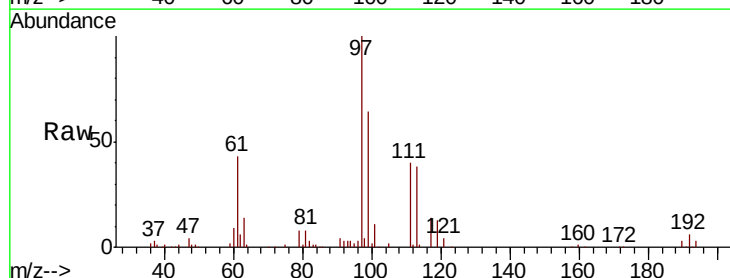
Tgt Ion: 97 Resp: 501534

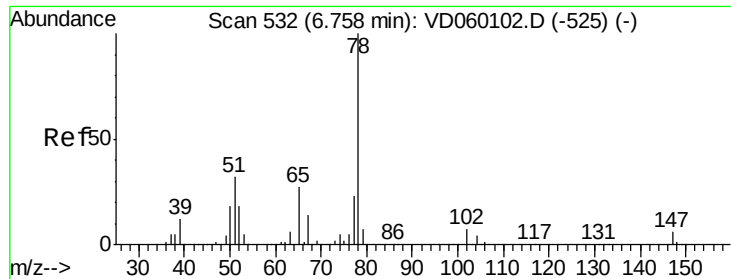
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 43.5 35.5 53.3





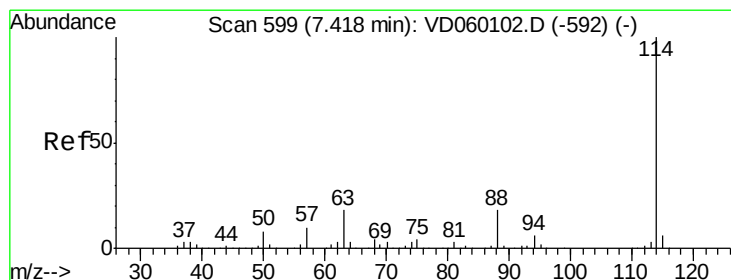
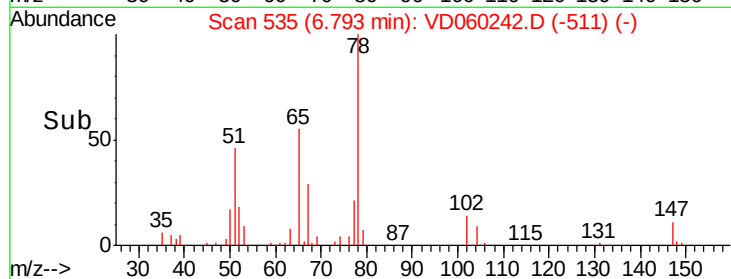
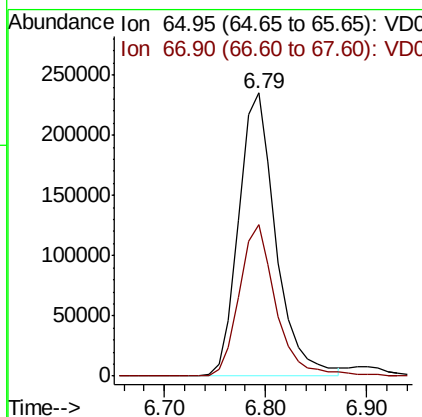
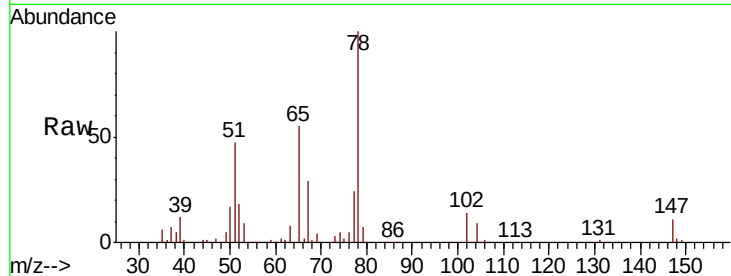
#33
 1,2-Dichloroethane-d4
 Concen: 23.412 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion: 65 Resp: 602013
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.2

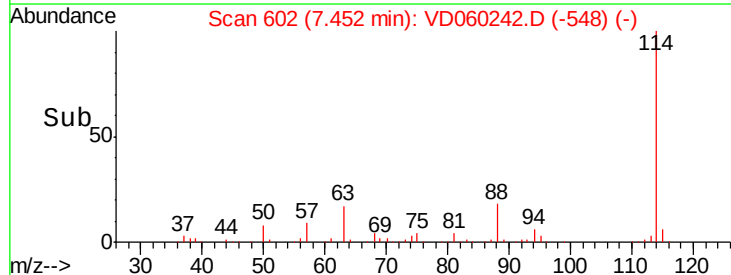
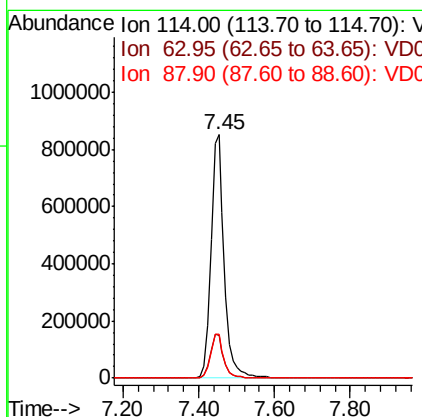
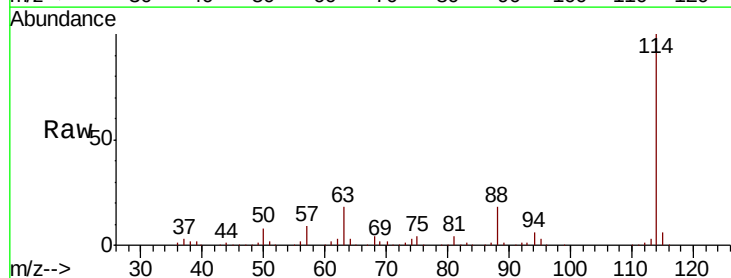
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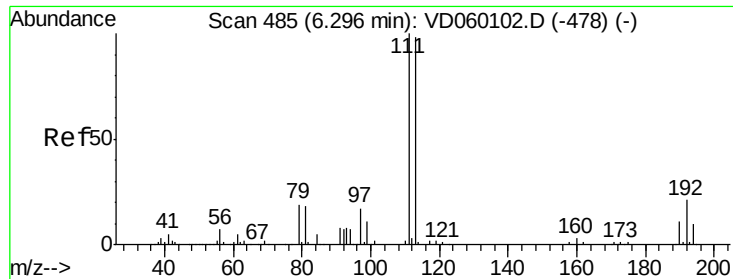
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion: 114 Resp: 2114744
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.0
 88 18.1 0.0 36.2





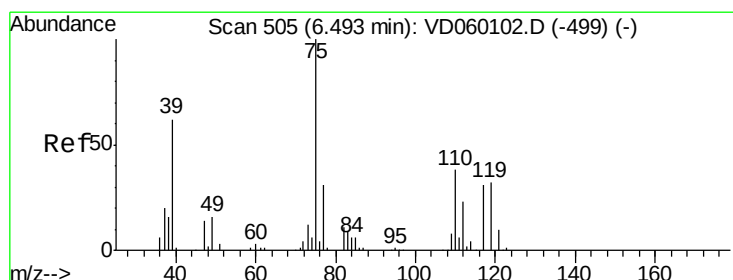
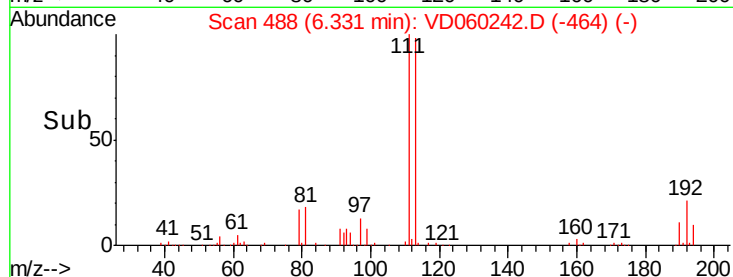
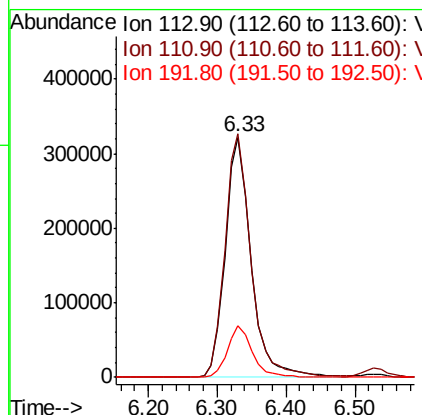
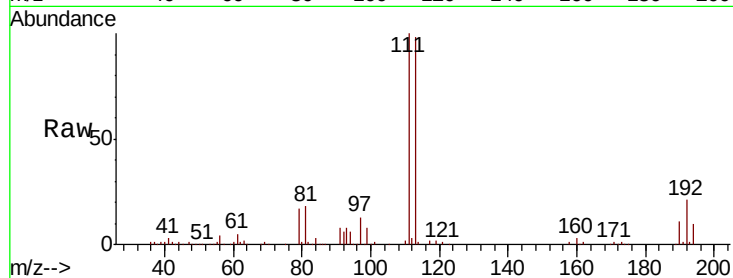
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.6	81.5	122.3	
192	21.6	17.4	26.0	

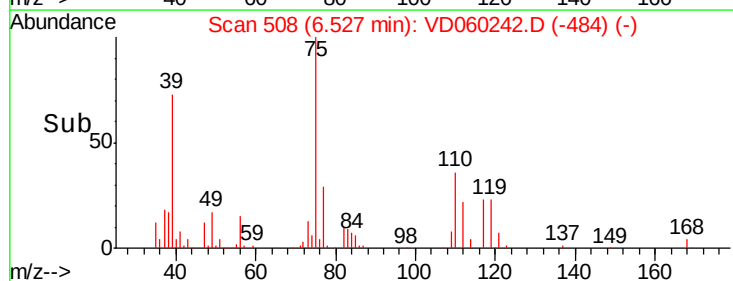
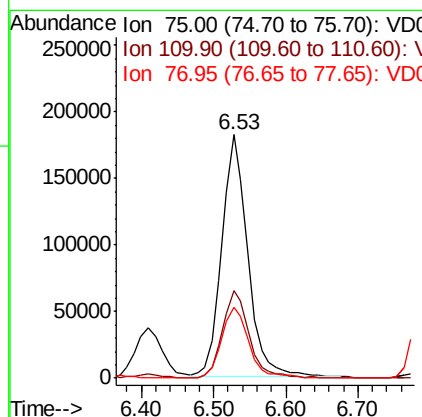
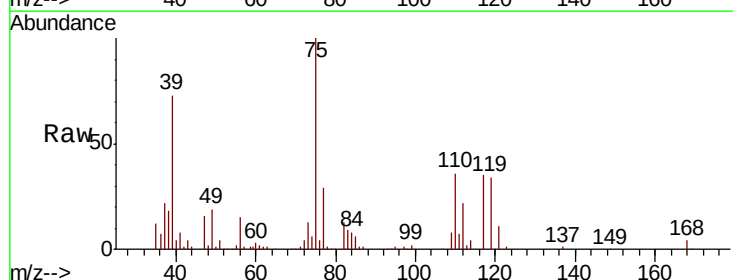
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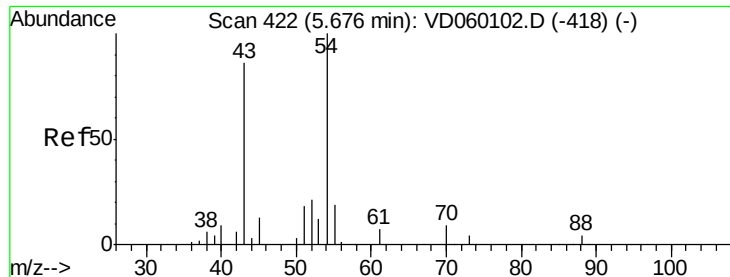
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#36
 1,1-Dichloropropene
 Concen: 22.407 ug/l
 RT: 6.53 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.7	19.0	57.0	
77	29.2	24.9	37.3	





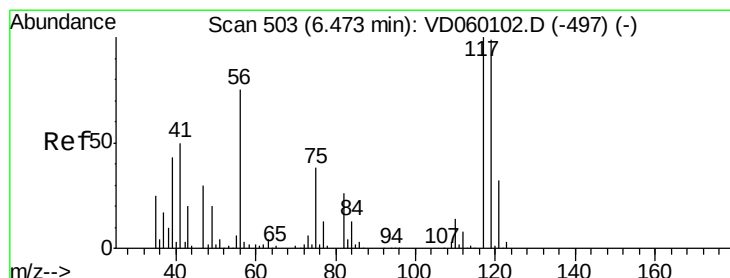
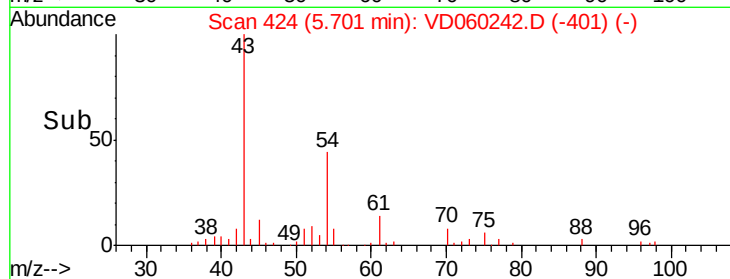
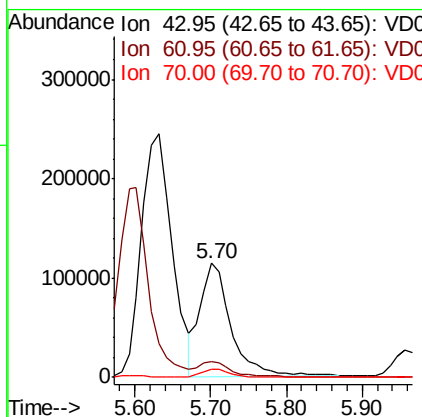
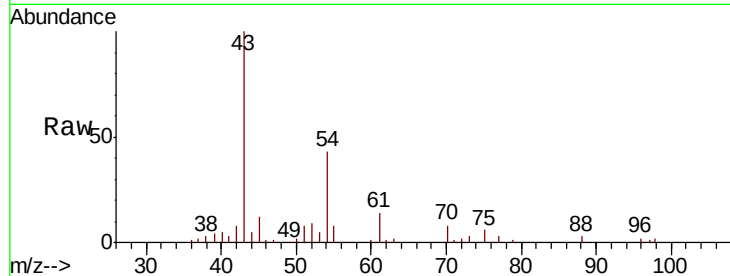
#37
Ethyl Acetate
Concen: 24.064 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	7.6	6.3	9.5

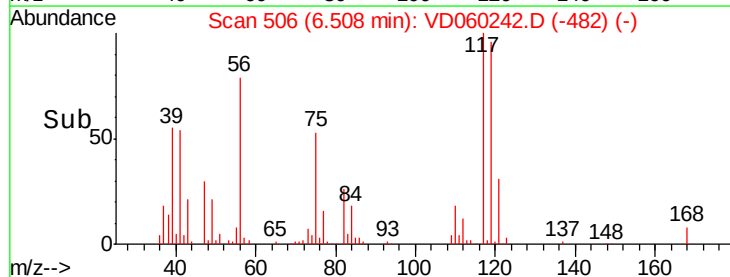
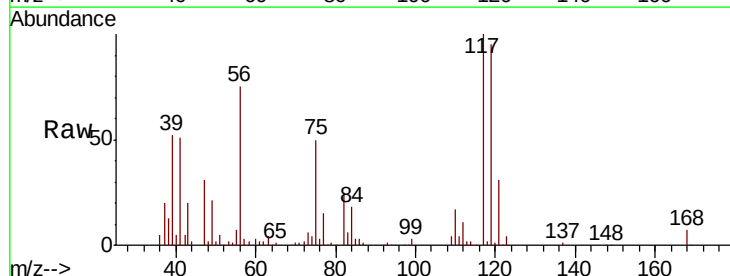
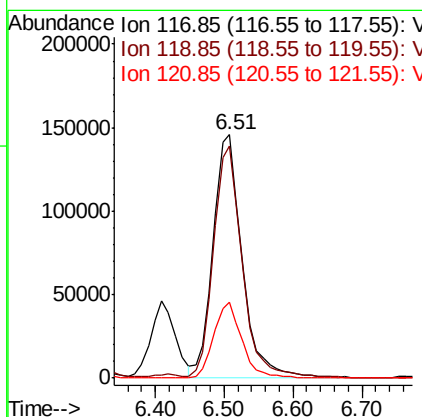
Manual Integrations
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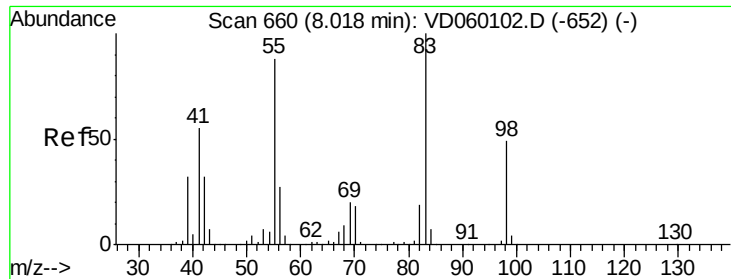
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#38
Carbon Tetrachloride
Concen: 22.904 ug/l
RT: 6.51 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.8	116.6
121	31.1	24.8	37.2





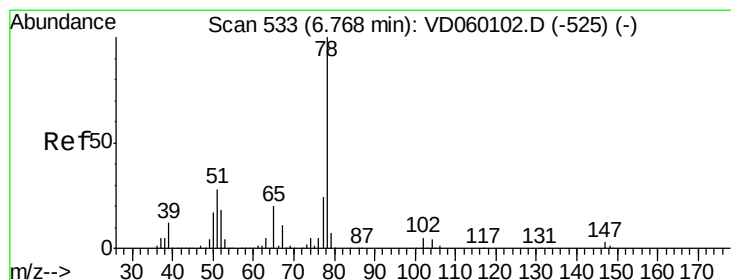
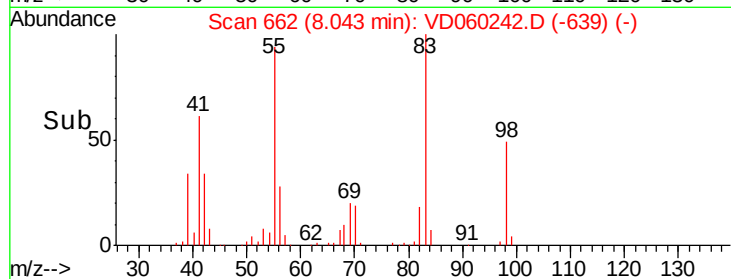
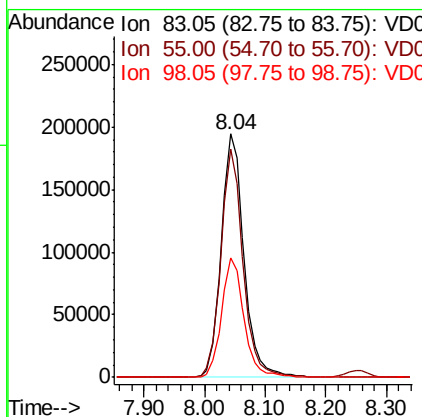
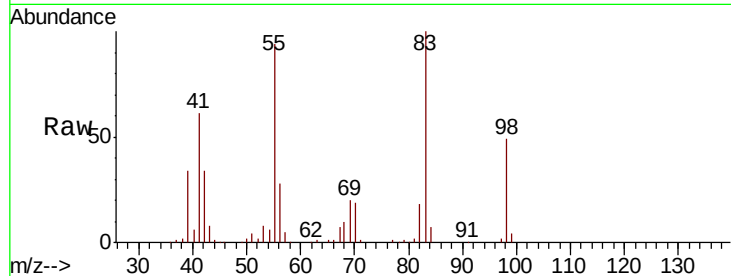
#39
Methylvlcyclohexane
Concen: 22.006 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.6	70.5	105.7
98	48.8	39.4	59.2

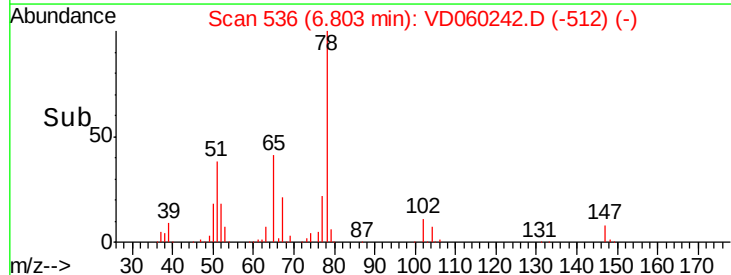
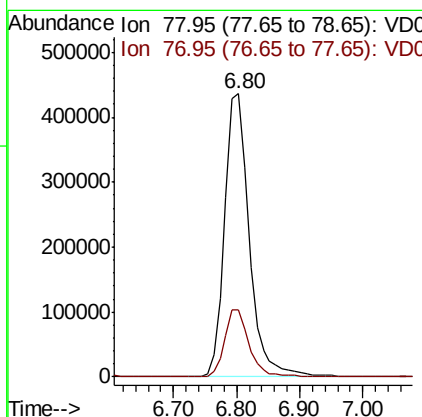
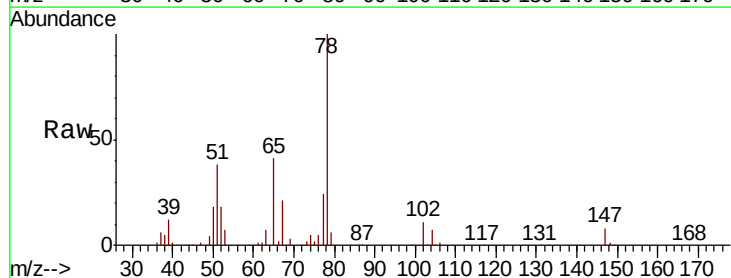
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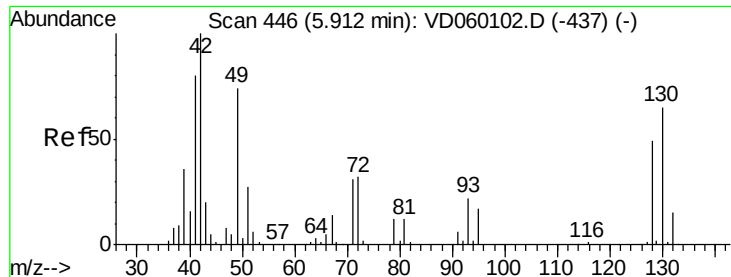
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#40
Benzene
Concen: 22.414 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 15.308 ug/l m

RT: 5.93 min Scan# 447

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 41 Resp: 116059

Ion Ratio Lower Upper

41 100

39 50.5 36.0 54.0

67 41.6 13.9 20.9#

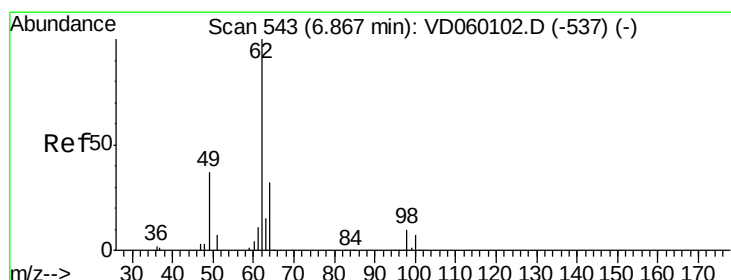
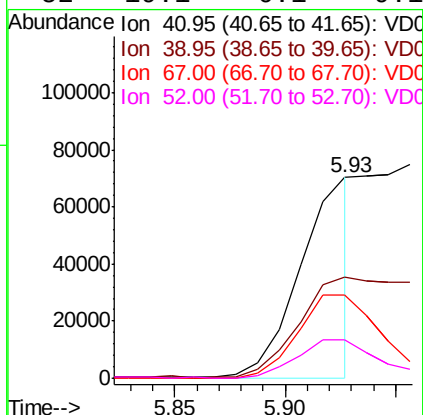
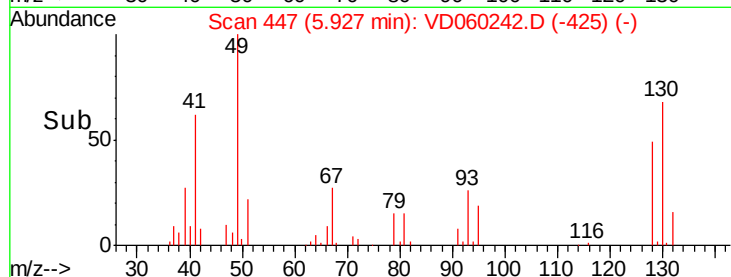
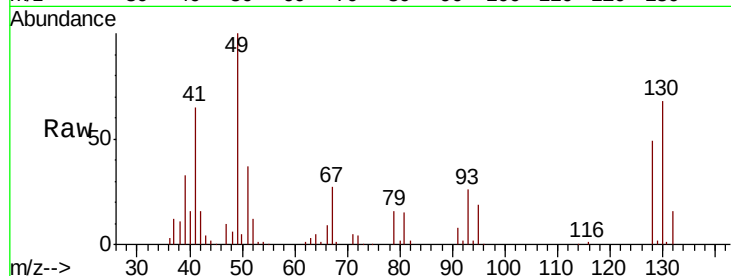
52 19.1 6.1 9.1#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 23.155 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060242.D

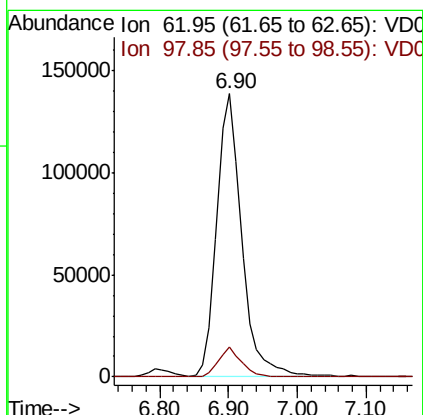
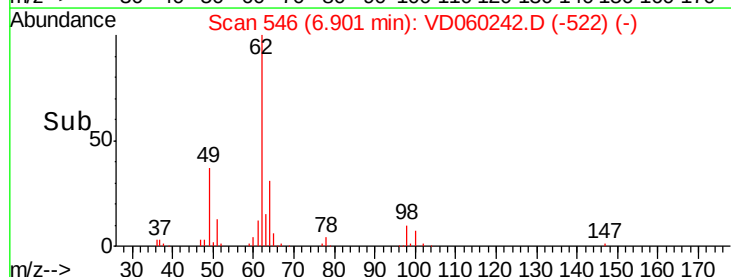
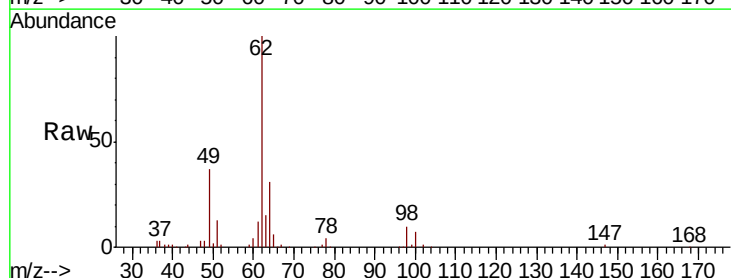
Acq: 31 Oct 2018 15:27

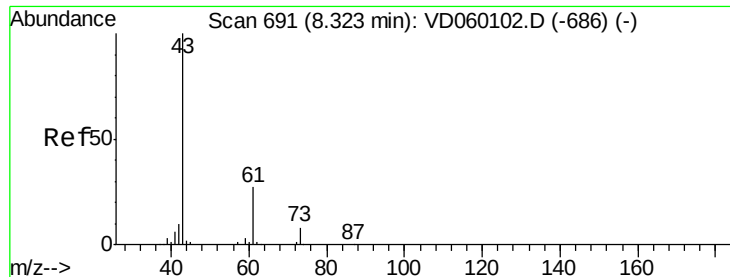
Tgt Ion: 62 Resp: 350968

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.6





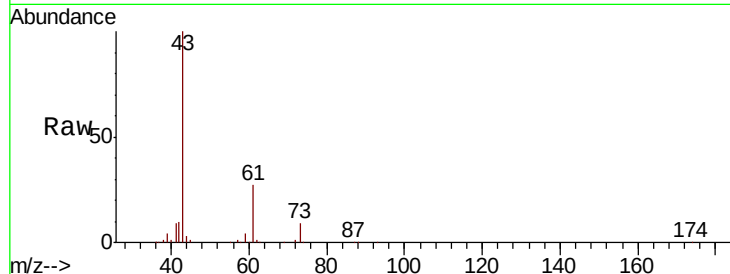
#43
Isopropyl Acetate
Concen: 22.957 ug/l
RT: 8.36 min Scan# 694
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

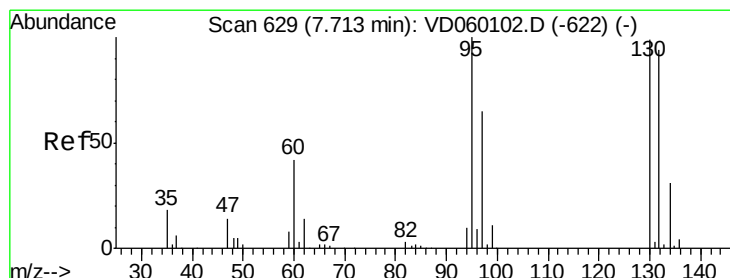
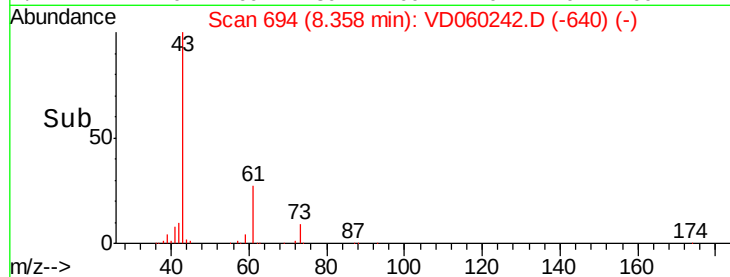
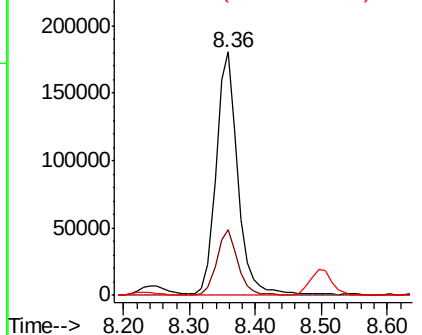
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.4	32.2
87	0.2	0.2	0.2

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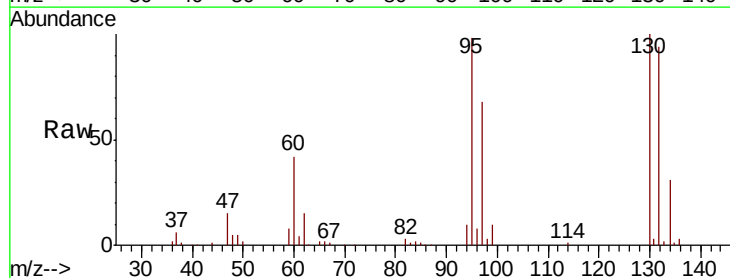


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

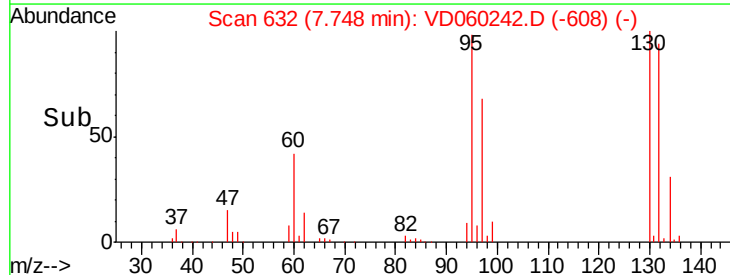
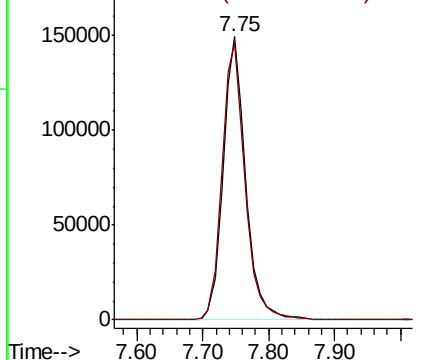


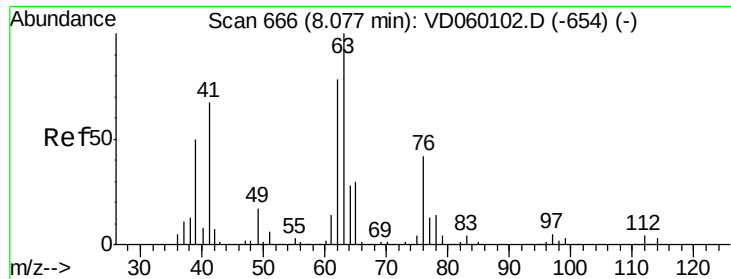
#44
Trichloroethene
Concen: 21.829 ug/l
RT: 7.75 min Scan# 632
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	202.2



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





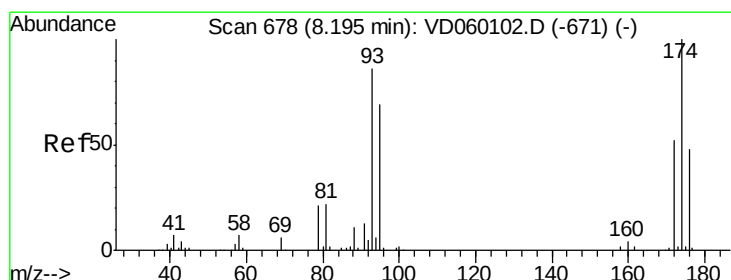
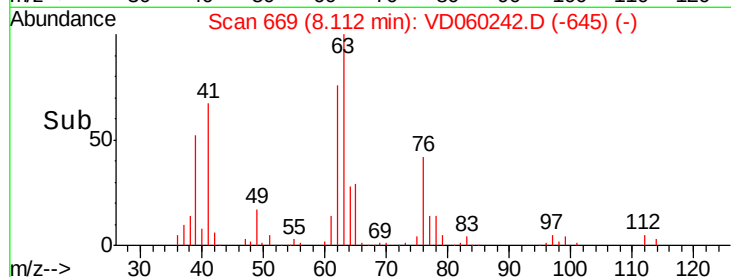
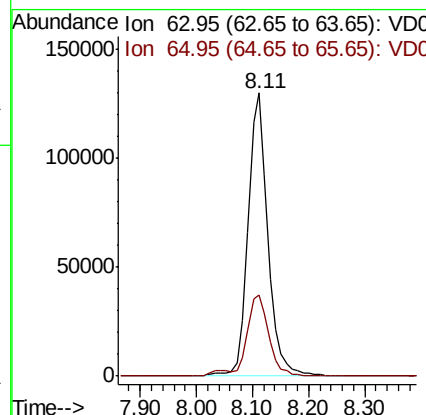
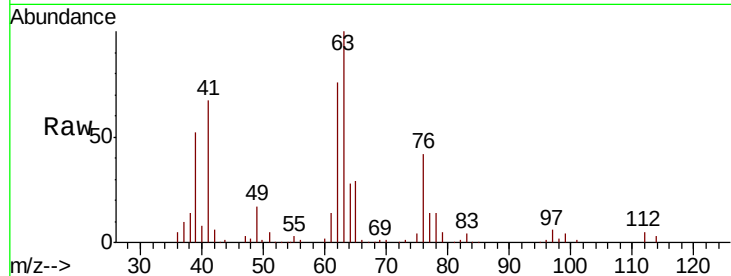
#45
 1,2-Dichloropropane
 Concen: 22.875 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion: 63 Resp: 316659
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.1 36.1

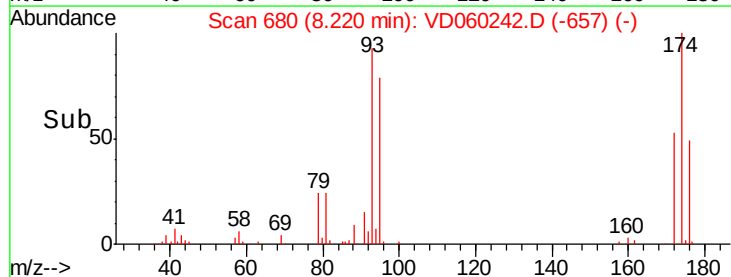
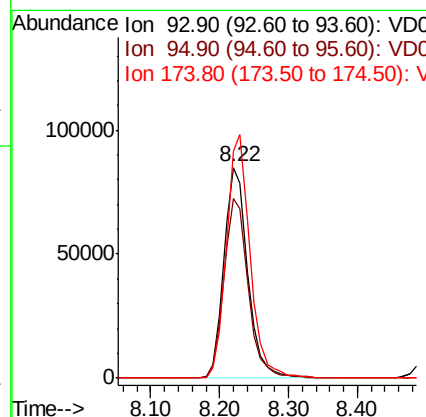
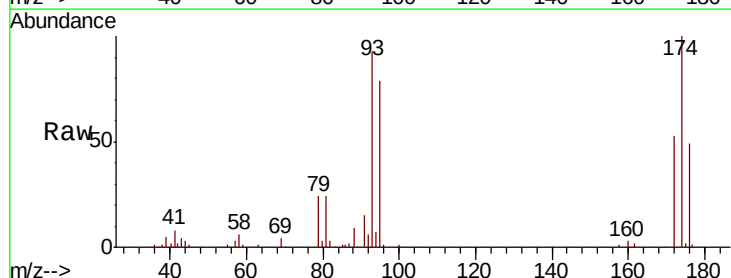
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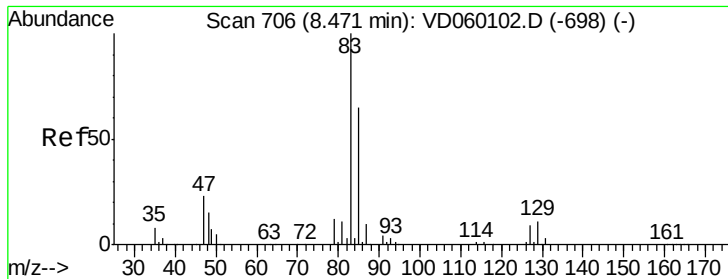
MMDadoda
 11/1/2018 11:59:28 AM



#46
 Dibromomethane
 Concen: 22.658 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion: 93 Resp: 203069
 Ion Ratio Lower Upper
 93 100
 95 85.4 63.8 95.6
 174 108.0 92.9 139.3





#47

Bromodichloromethane

Concen: 22.931 ug/l

RT: 8.50 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 83 Resp: 437888

Ion Ratio Lower Upper

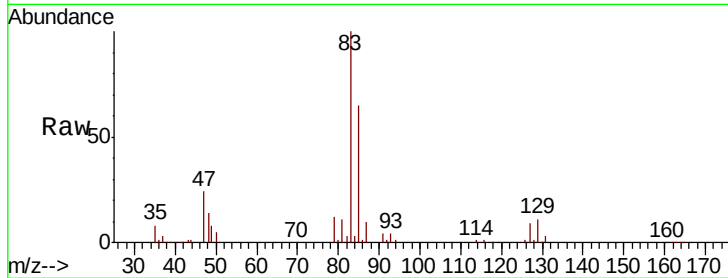
83 100

85 64.6 52.2 78.2

127 8.5 7.4 11.0

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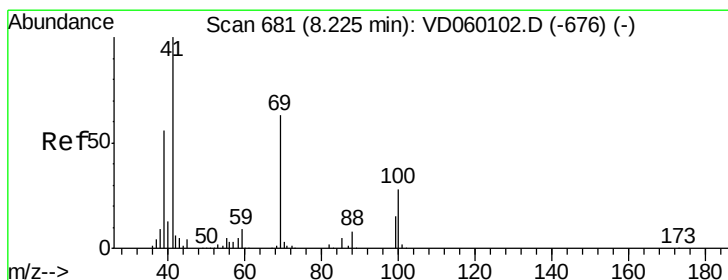
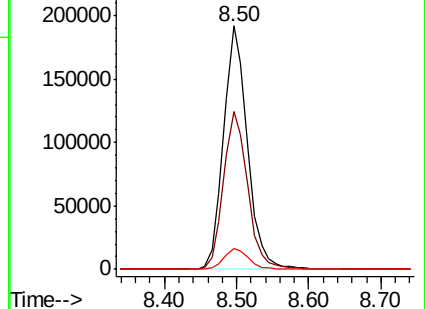
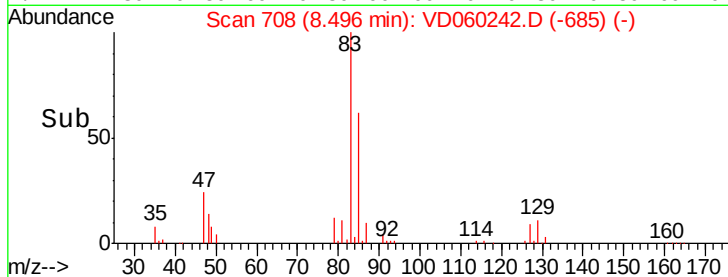
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 23.360 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

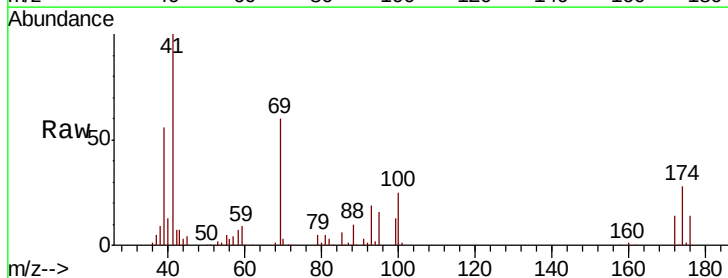
Tgt Ion: 41 Resp: 234808

Ion Ratio Lower Upper

41 100

69 59.6 49.7 74.5

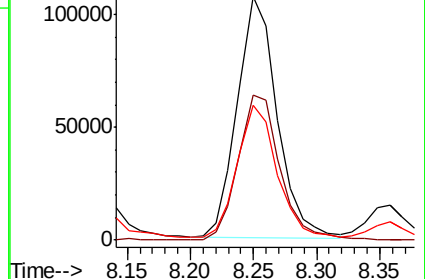
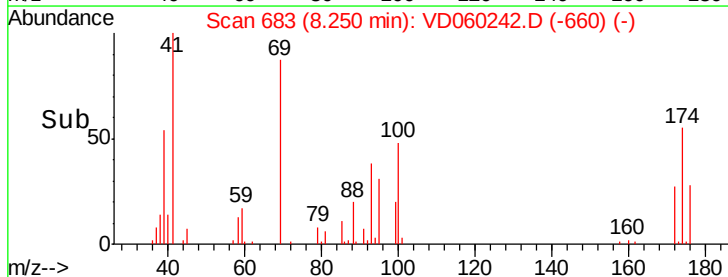
39 55.5 45.2 67.8

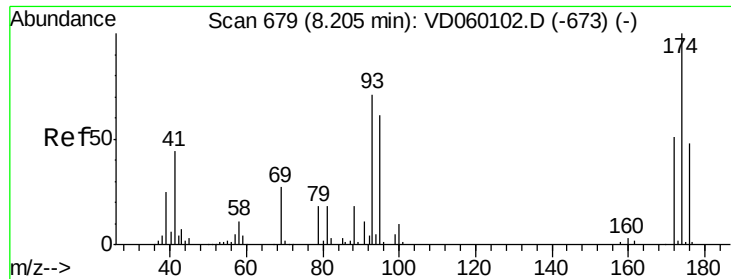


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





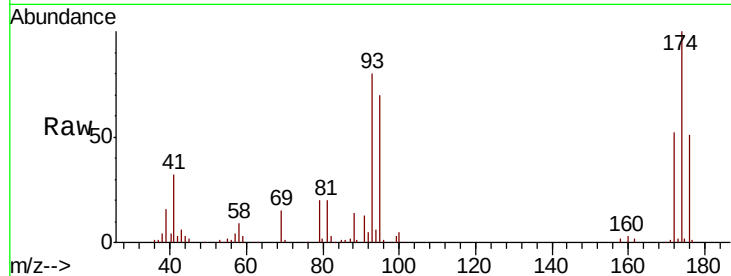
#49
1,4-Dioxane
Concen: 450.897 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion	88	Resp	44595
Ion	Ratio	Lower	Upper
88	100		
43	43.5	33.7	50.5
58	62.6	49.1	73.7

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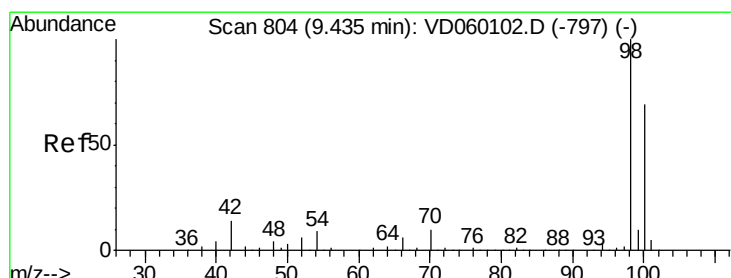
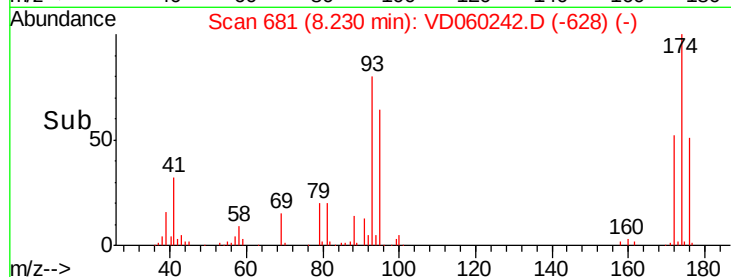
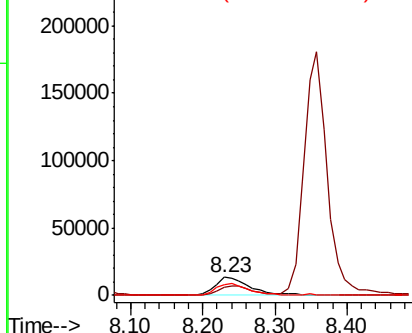


Abundance

Ion 88.00 (87.70 to 88.70): VDC

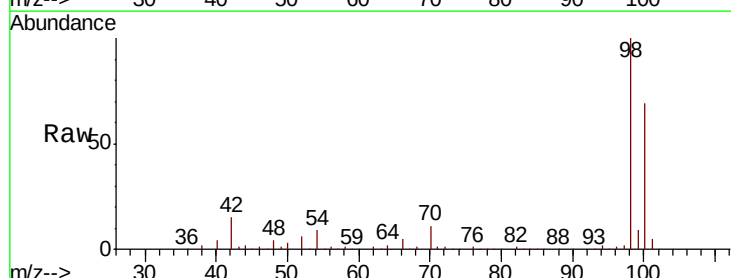
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 450.897 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

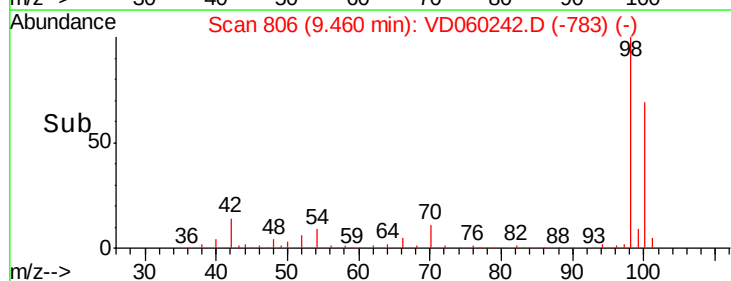
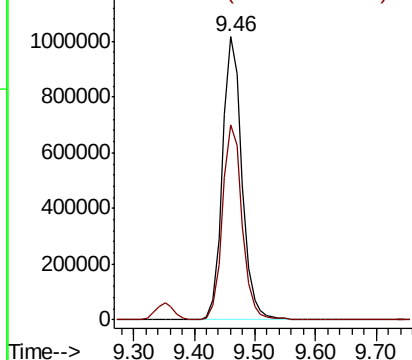
Tgt Ion	98	Resp	2272267
Ion	Ratio	Lower	Upper
98	100		
100	69.1	55.4	83.0

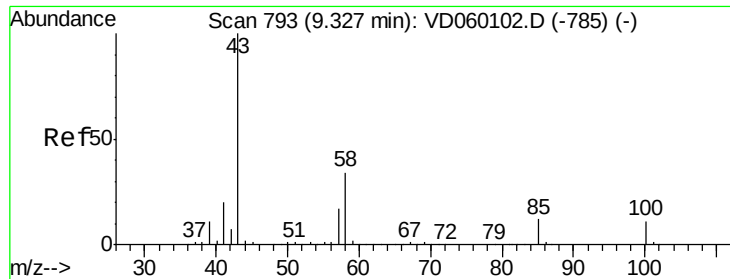


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 118.539 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 43 Resp: 1319392

Ion Ratio Lower Upper

43 100

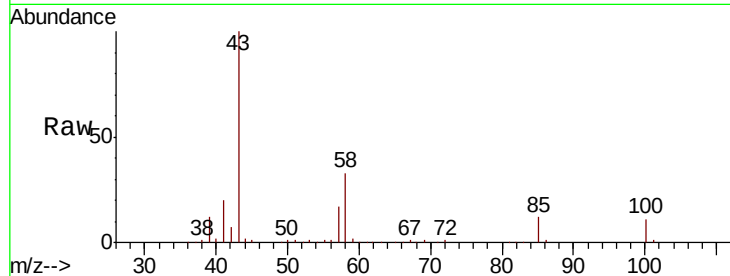
58 33.2 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

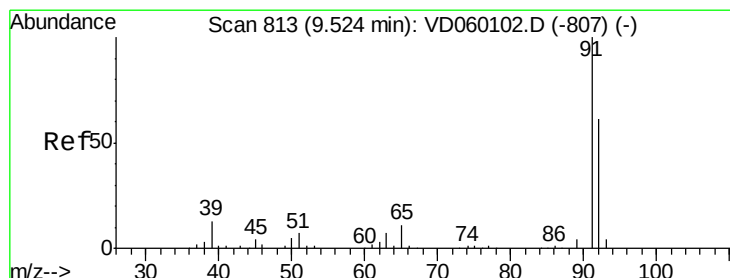
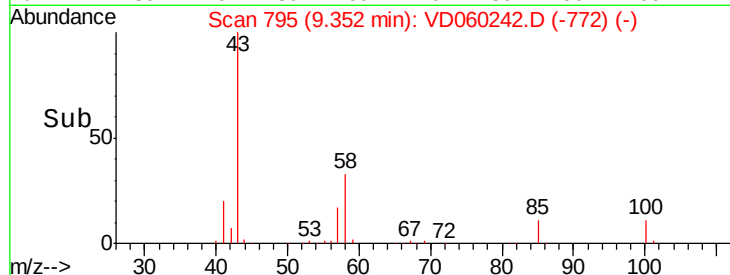
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 22.941 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060242.D

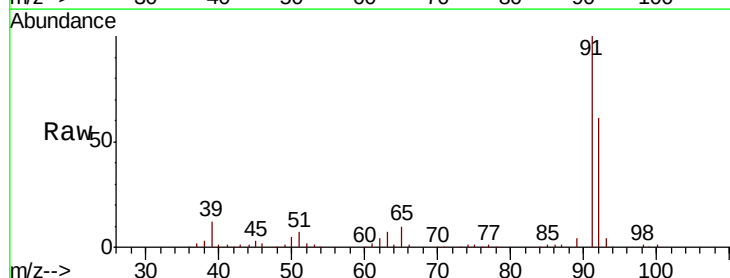
Acq: 31 Oct 2018 15:27

Tgt Ion: 92 Resp: 781105

Ion Ratio Lower Upper

92 100

91 164.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.56

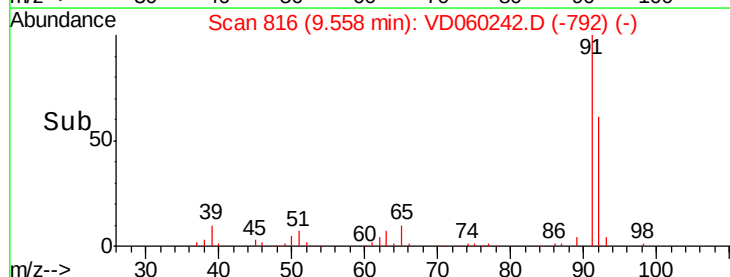
600000

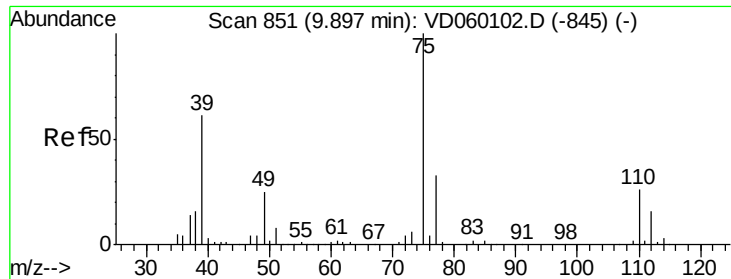
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.067 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Tot Ion: 75 Resp: 398574

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

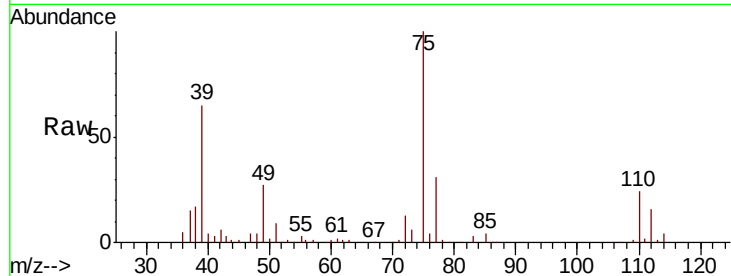
VD1031SBS01

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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

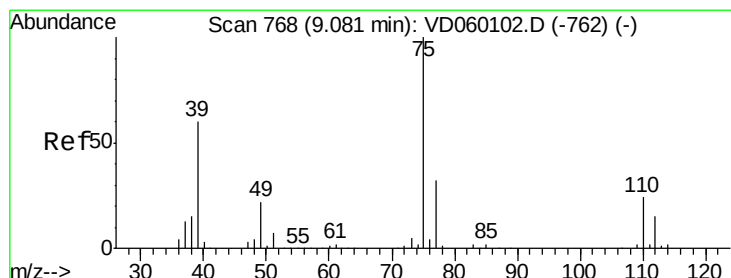
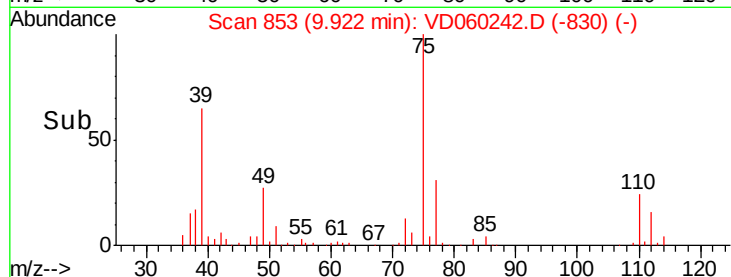
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 23.280 ug/l

RT: 9.11 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

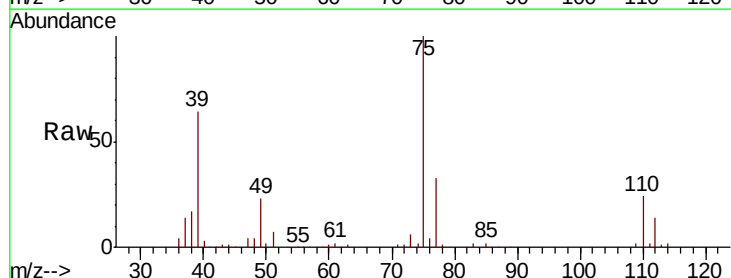
Tgt Ion: 75 Resp: 496729

Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5

39 63.9 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.11

300000

250000

200000

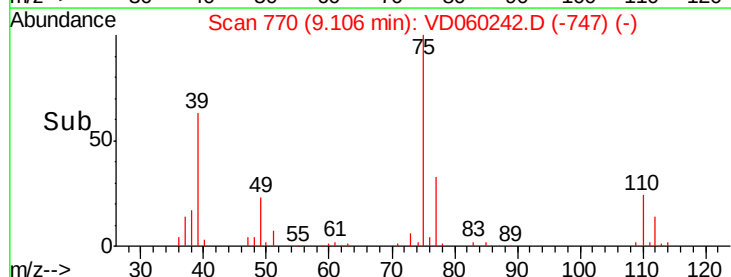
150000

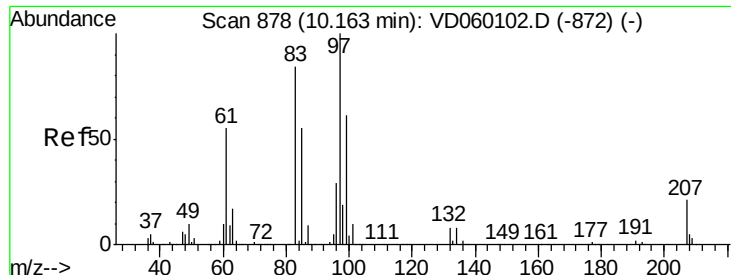
100000

50000

0

Time-->





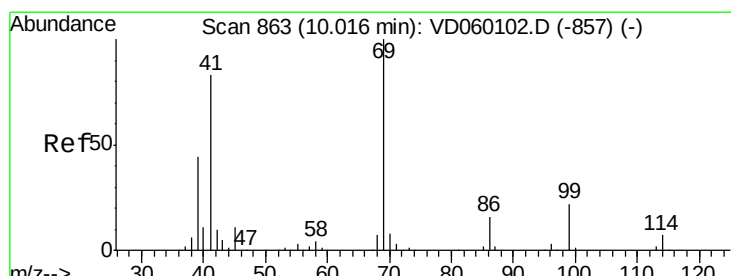
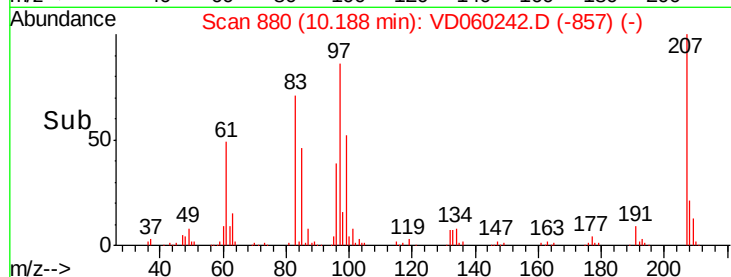
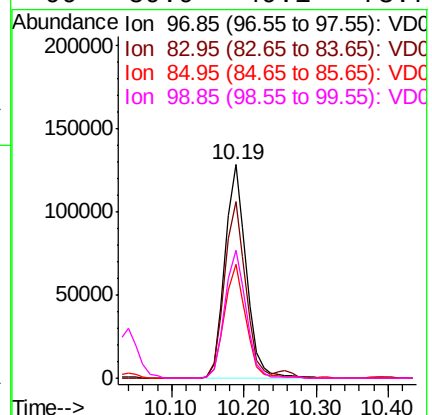
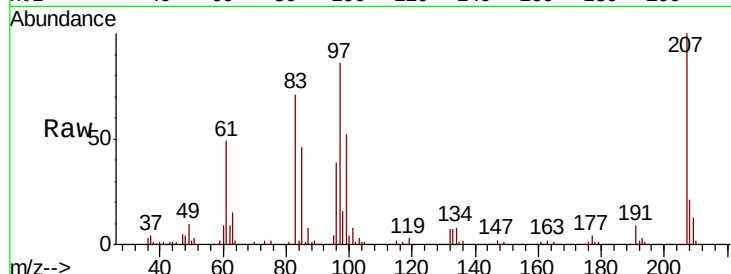
#55
 1,1,2-Trichloroethane
 Concen: 23.621 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	262924		
83	82.6	67.0	100.6	
85	53.6	43.9	65.9	
99	59.9	49.1	73.7	

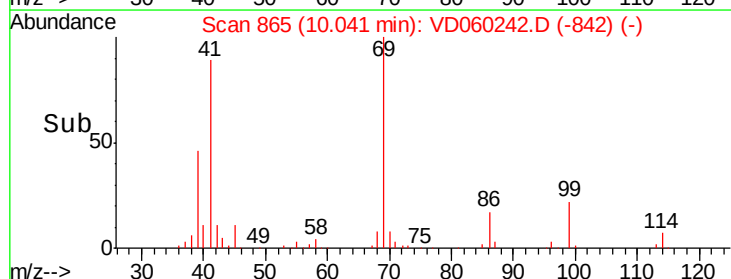
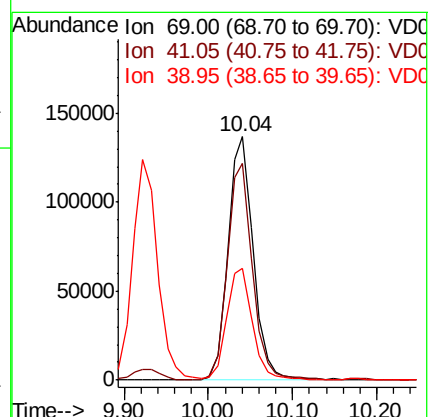
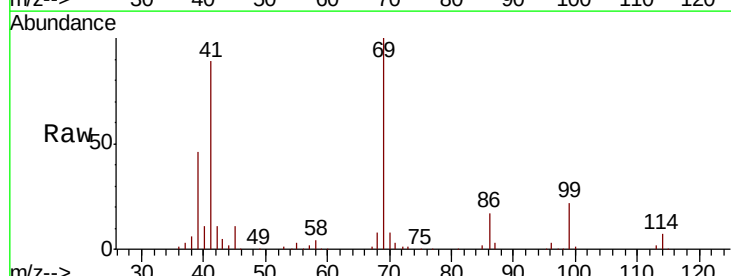
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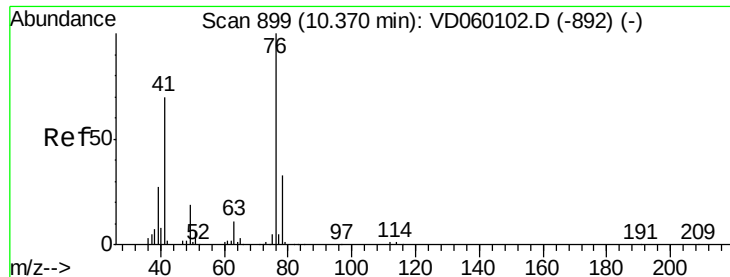
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#56
 Ethyl methacrylate
 Concen: 22.974 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	282279		
41	89.2	66.6	100.0	
39	45.7	36.0	54.0	





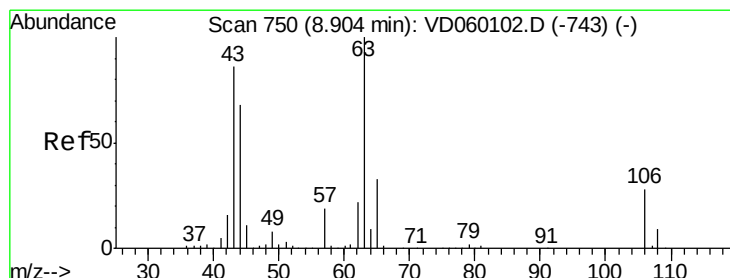
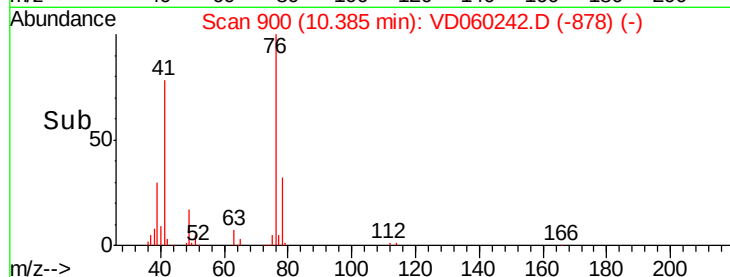
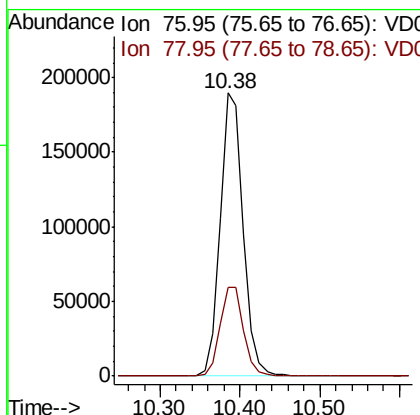
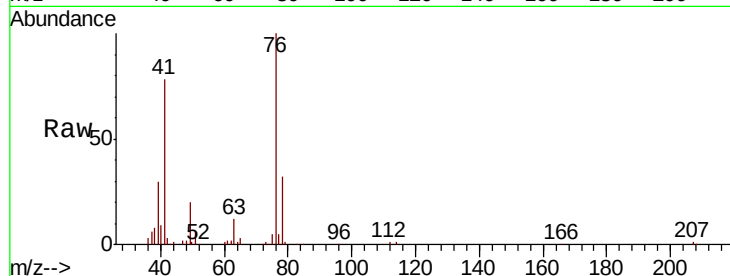
#57
 1,3-Dichloropropane
 Concen: 22.607 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion: 76 Resp: 383781
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.2

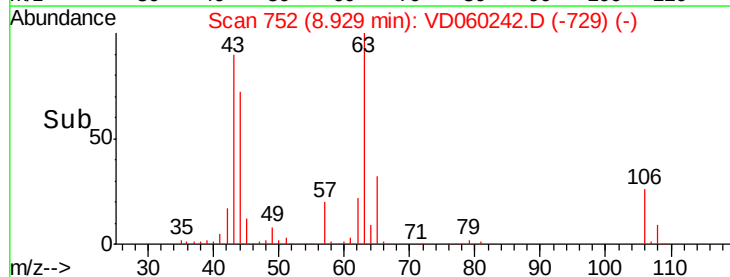
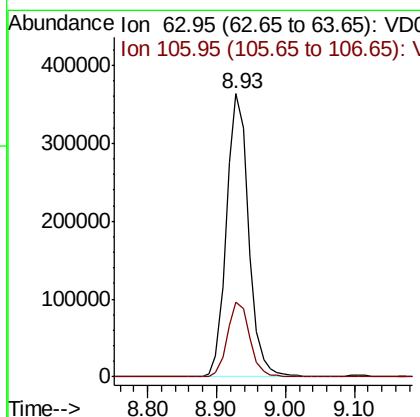
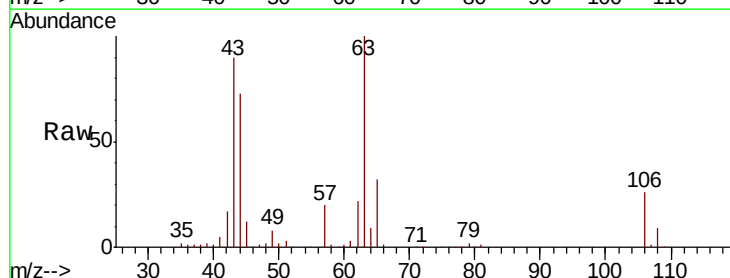
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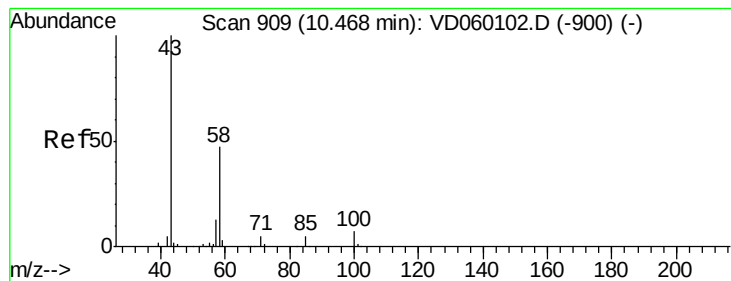
MMDadoda
 11/1/2018 11:59:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.557 ug/l
 RT: 8.93 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion: 63 Resp: 808929
 Ion Ratio Lower Upper
 63 100
 106 26.4 22.6 34.0





#59

2-Hexanone

Concen: 133.856 ug/l

RT: 10.49 min Scan# 911

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 43 Resp: 1071334

Ion Ratio Lower Upper

43 100

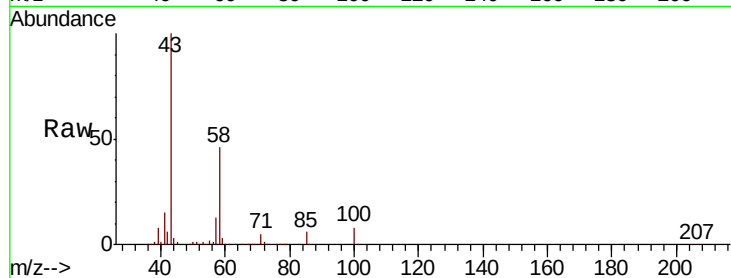
58 45.7 23.3 69.9

Manual Integrations

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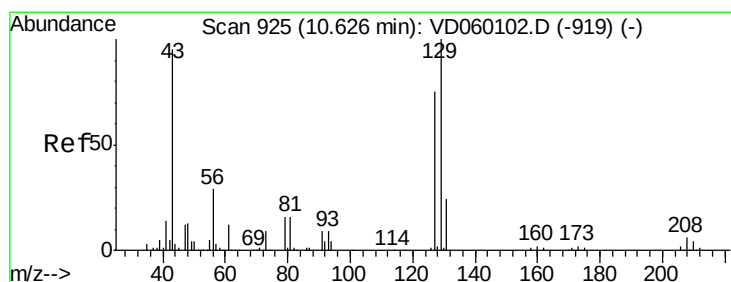
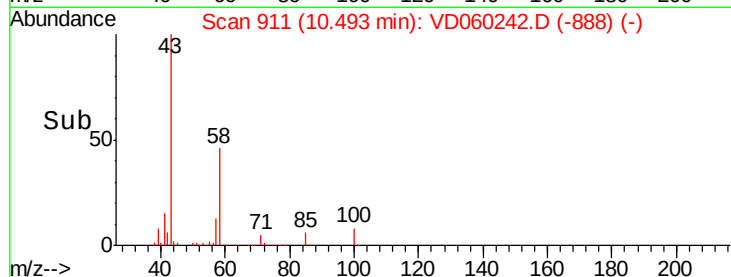
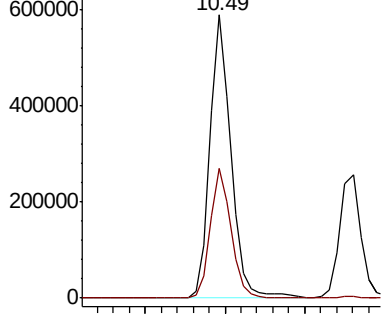
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 23.346 ug/l

RT: 10.65 min Scan# 927

Delta R.T. 0.02 min

Lab File: VD060242.D

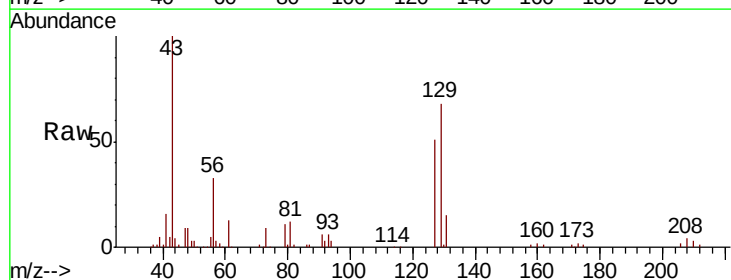
Acq: 31 Oct 2018 15:27

Tgt Ion: 129 Resp: 318838

Ion Ratio Lower Upper

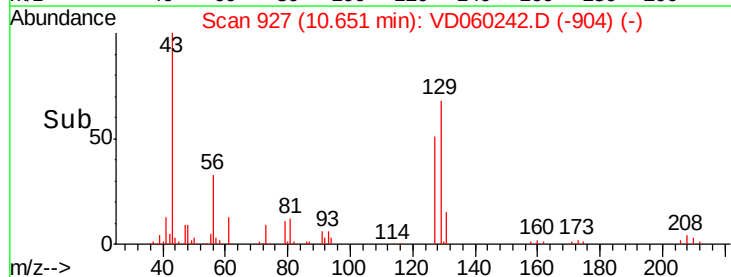
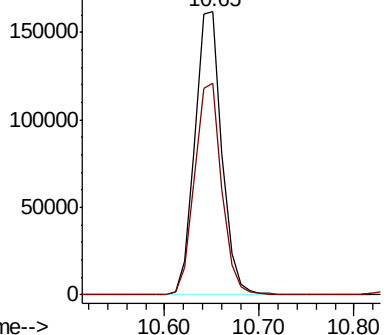
129 100

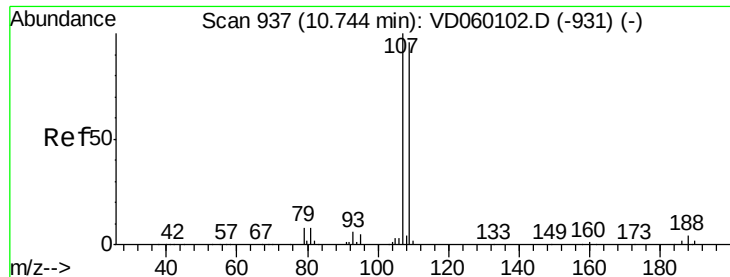
127 74.8 37.4 112.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





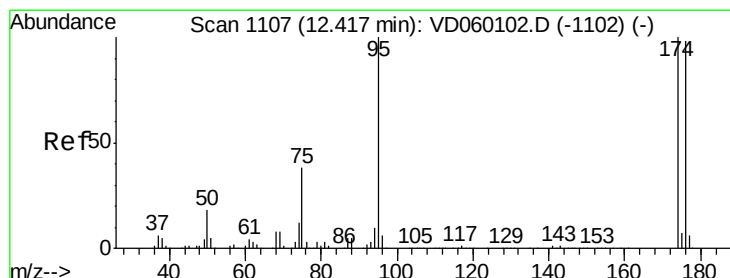
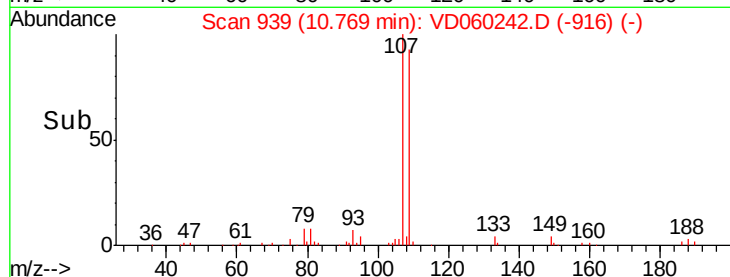
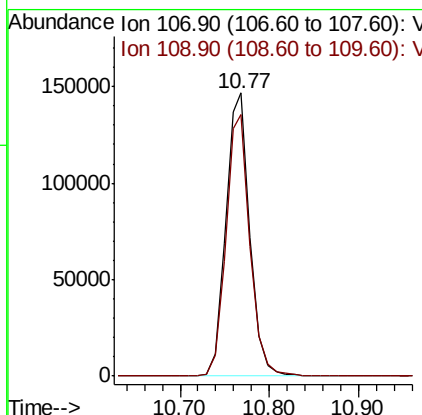
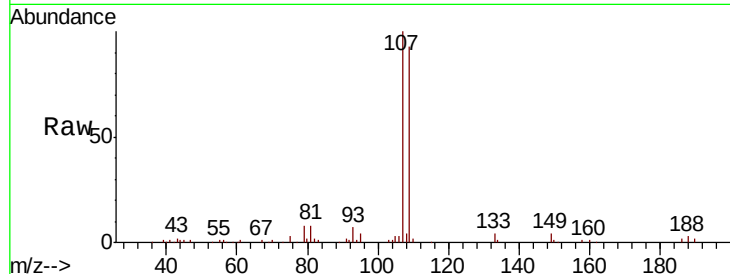
#61
1,2-Dibromoethane
Concen: 23.437 ug/l
RT: 10.77 min Scan# 939
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion:107 Resp: 277186
Ion Ratio Lower Upper
107 100
109 92.5 77.1 115.7

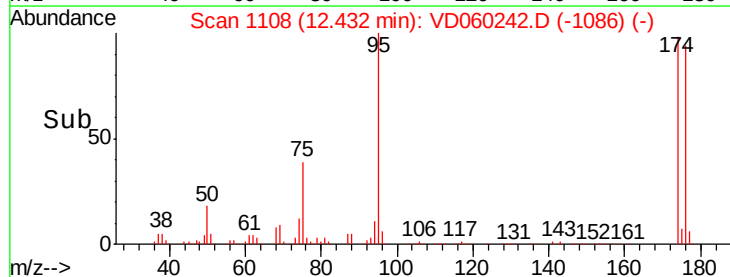
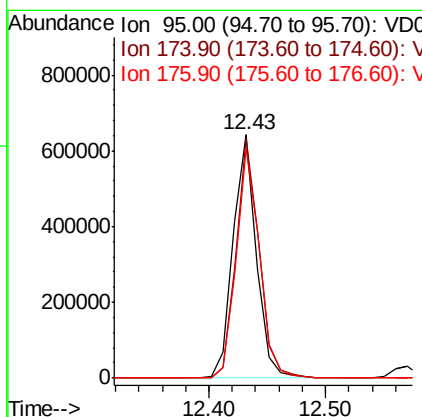
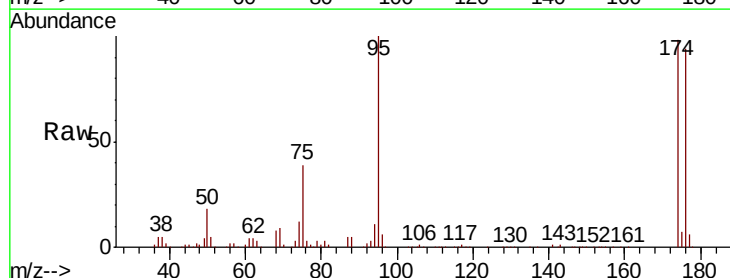
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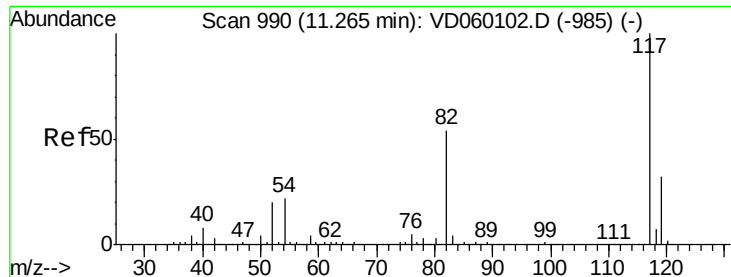
MMDadoda
11/1/2018 11:59:28 AM



#62
4-Bromofluorobenzene
Concen: 23.437 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 95 Resp: 884142
Ion Ratio Lower Upper
95 100
174 98.3 0.0 200.2
176 94.3 0.0 195.6





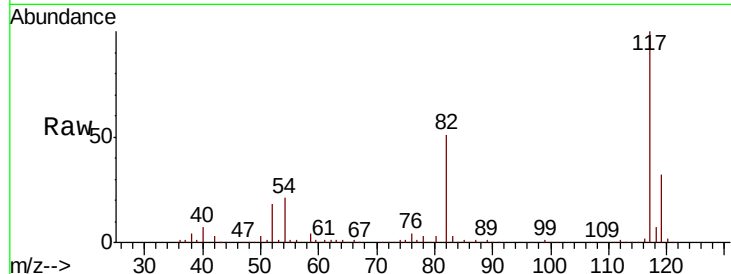
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

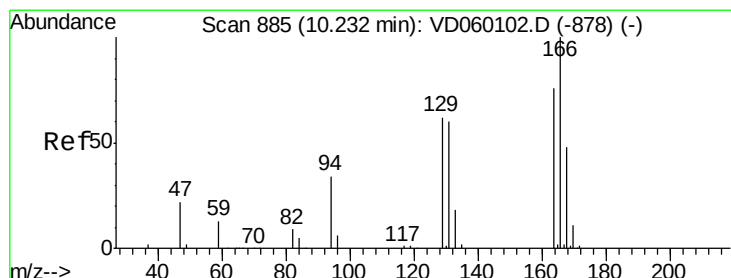
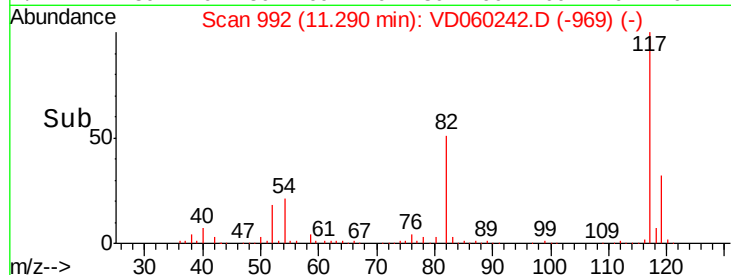
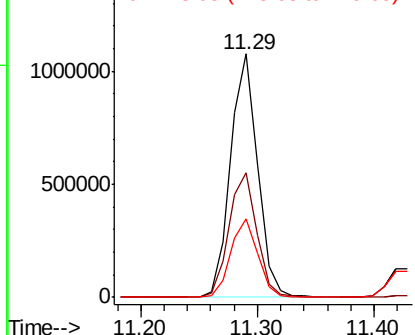
Tot Ion:117 Resp: 1738153
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.2
119 32.2 26.0 39.0

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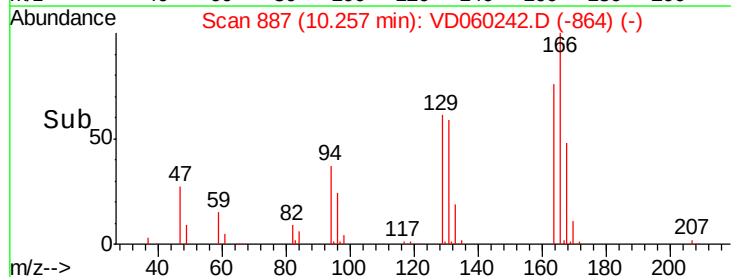
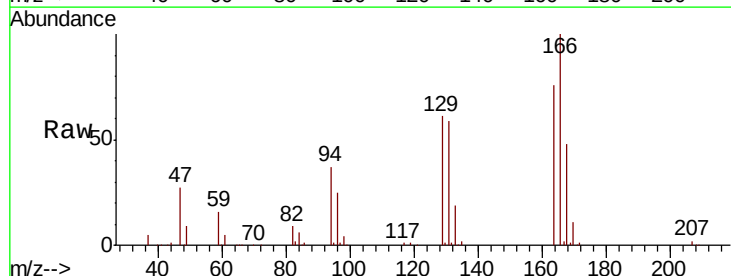
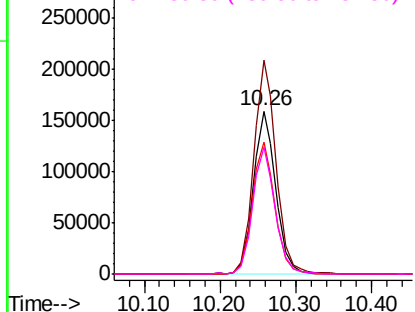
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

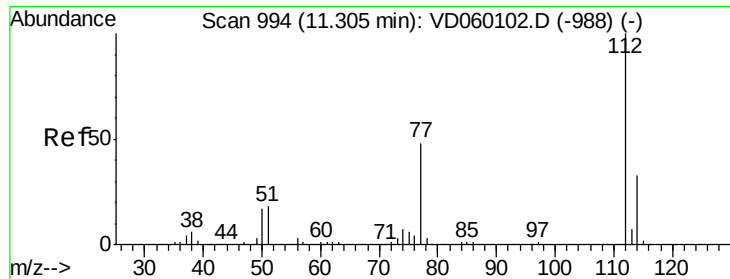


#64
Tetrachloroethene
Concen: 21.695 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion:164 Resp: 330275
Ion Ratio Lower Upper
164 100
166 130.9 105.4 158.0
129 80.5 65.7 98.5
131 77.4 62.9 94.3

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





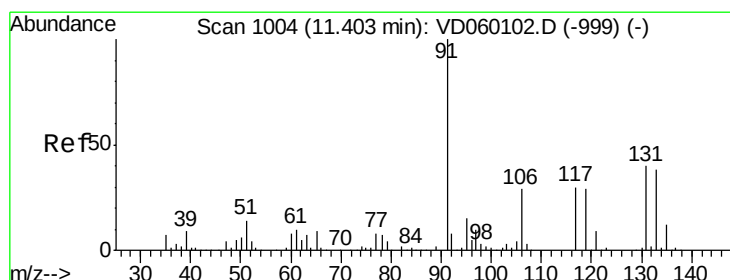
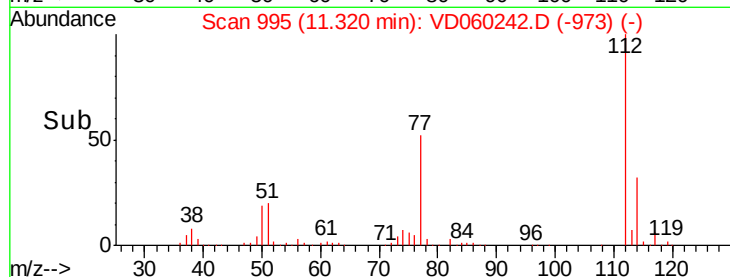
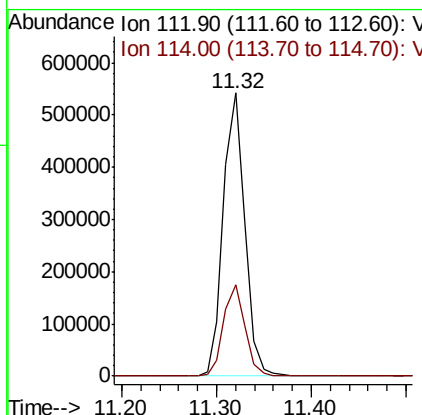
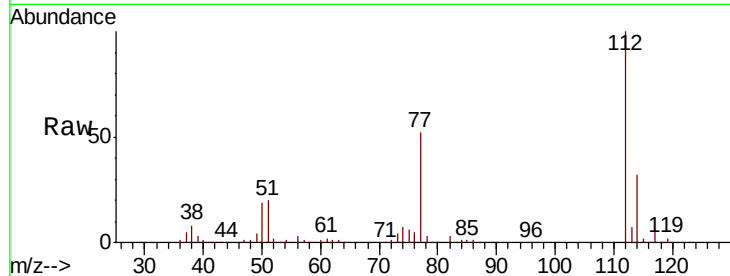
#65
Chlorobenzene
Concen: 22.792 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion:112 Resp: 857031
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0

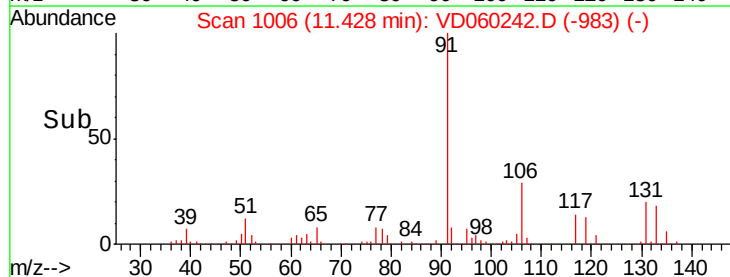
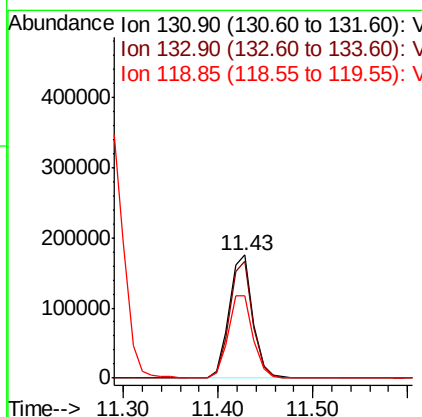
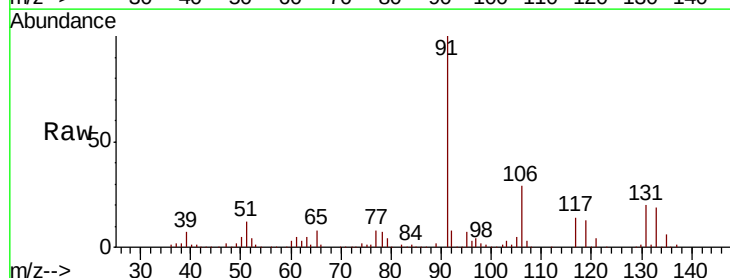
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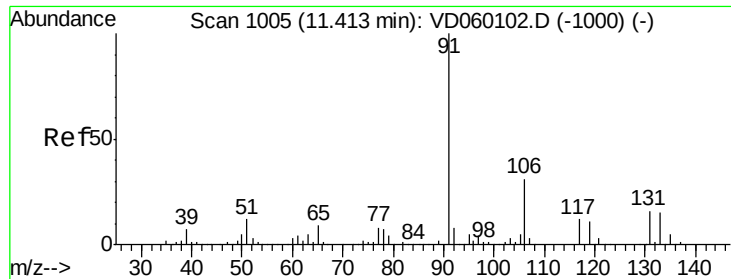
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.061 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion:131 Resp: 301822
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.3
119 66.9 36.1 108.3





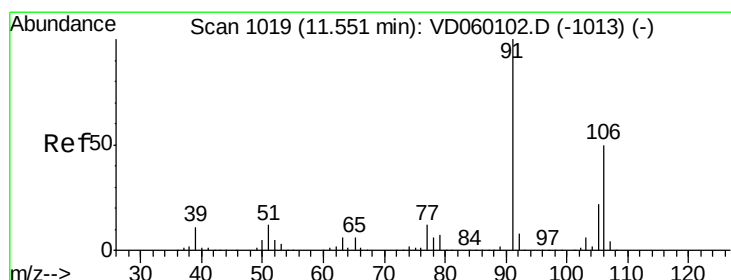
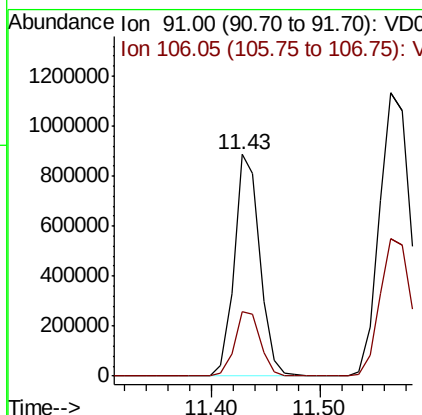
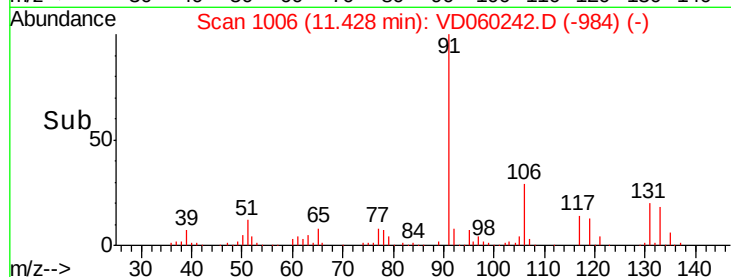
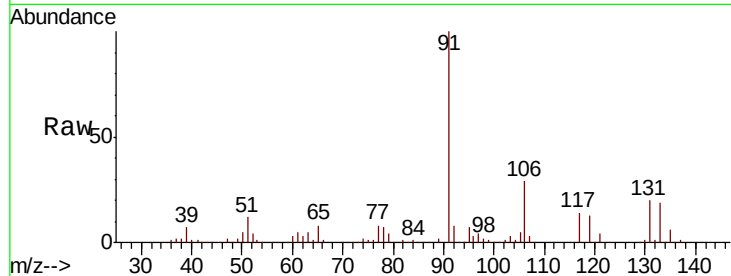
#67
Ethyl Benzene
Concen: 23.854 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion: 91 Resp: 1453292
Ion Ratio Lower Upper
91 100
106 29.1 24.4 36.6

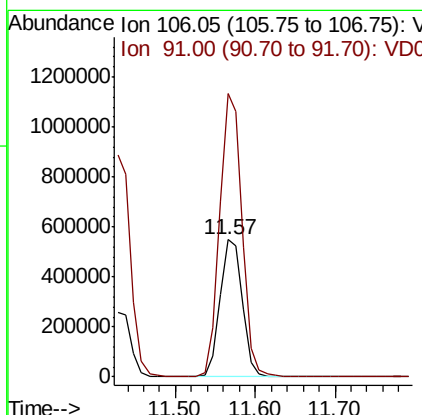
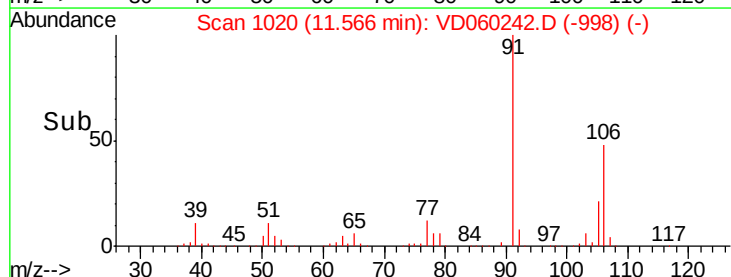
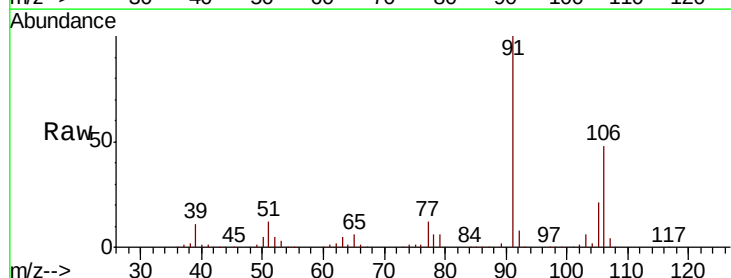
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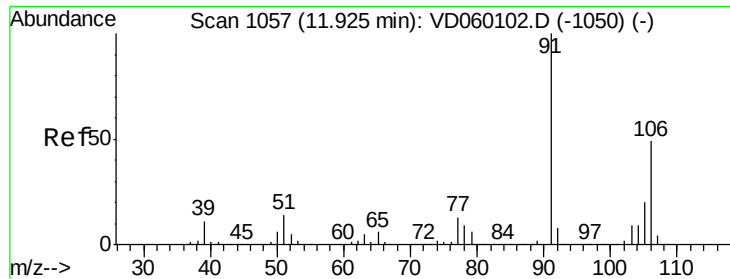
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#68
m/p-Xylenes
Concen: 47.847 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 106 Resp: 1089155
Ion Ratio Lower Upper
106 100
91 206.7 160.0 240.0





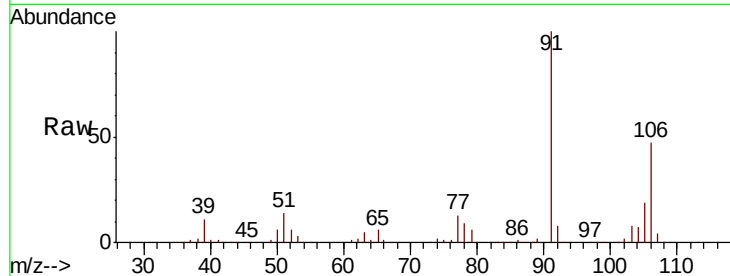
#69
o-Xylene
Concen: 22.989 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

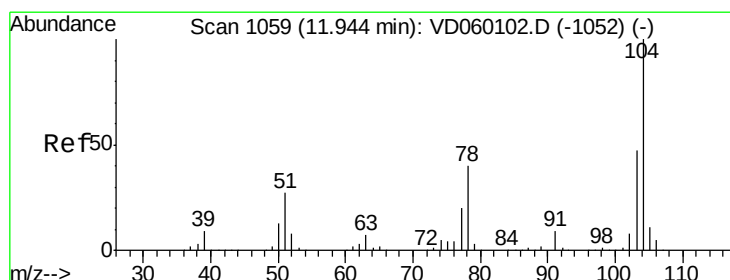
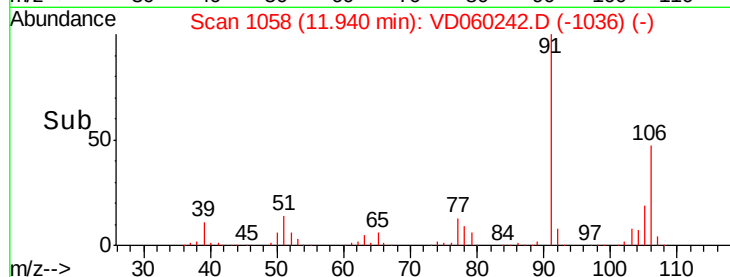
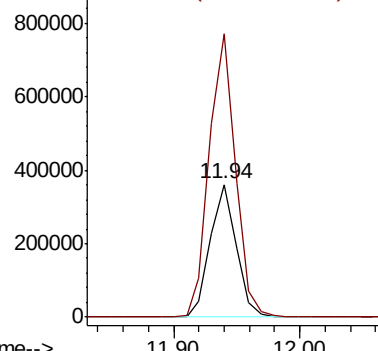
Tot Ion:106 Resp: 517613
Ion Ratio Lower Upper
106 100
91 212.9 102.5 307.5

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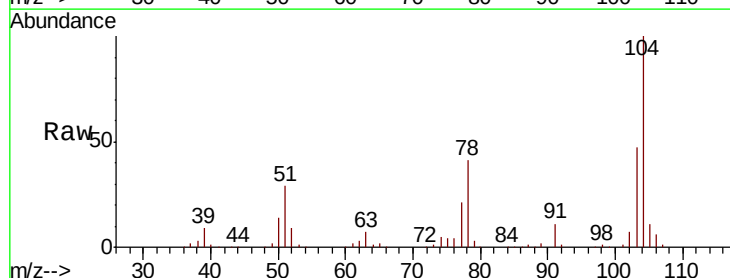


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

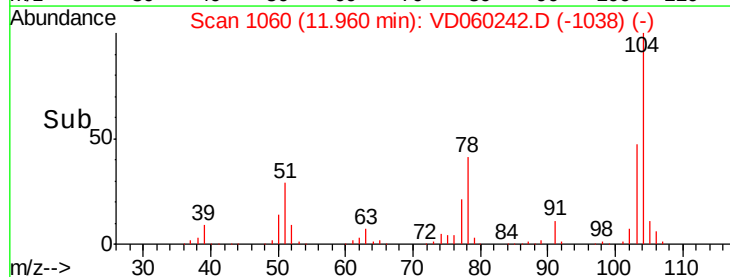
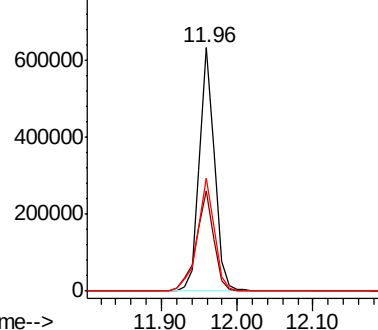


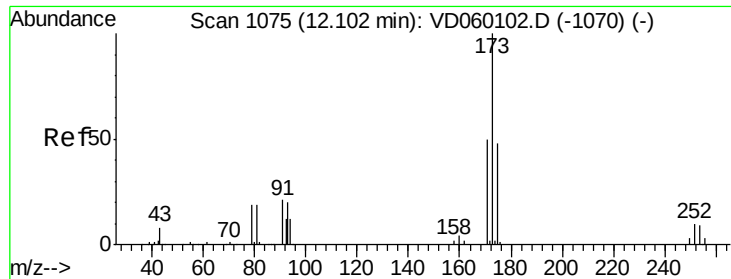
#70
Styrene
Concen: 23.341 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion:104 Resp: 878859
Ion Ratio Lower Upper
104 100
78 41.2 32.2 48.4
103 46.6 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





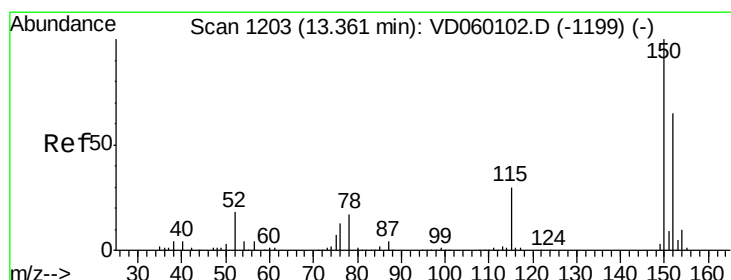
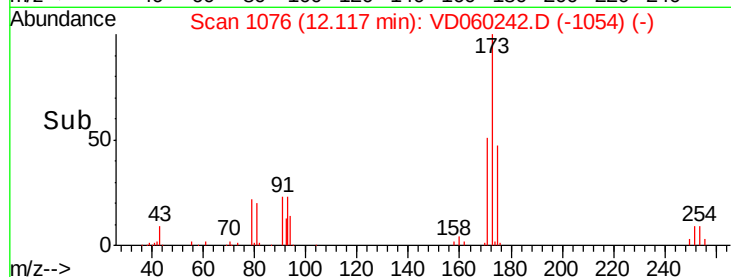
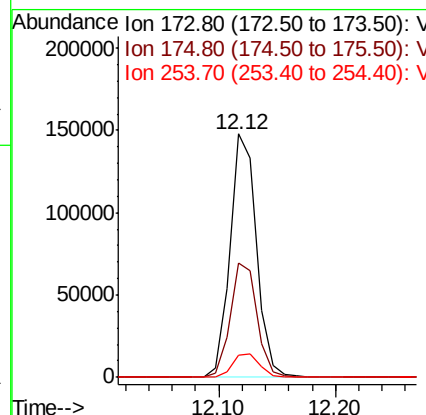
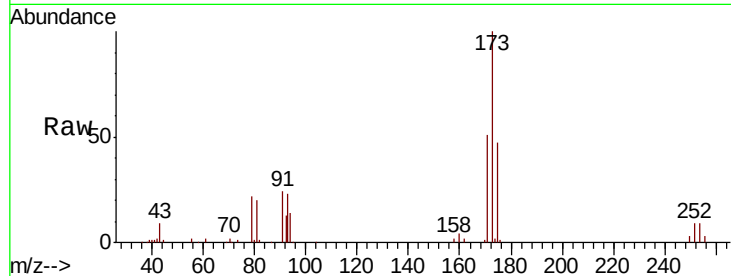
#71
Bromoform
Concen: 22.826 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.1	72.4
254	9.1	7.4	11.0

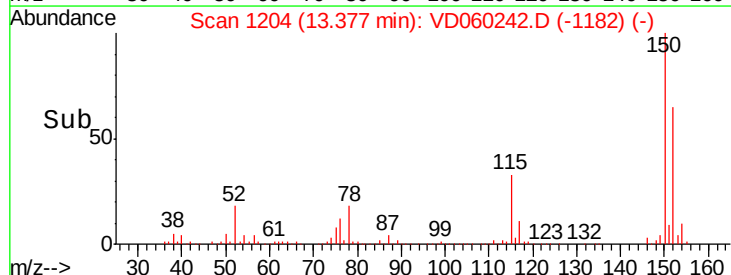
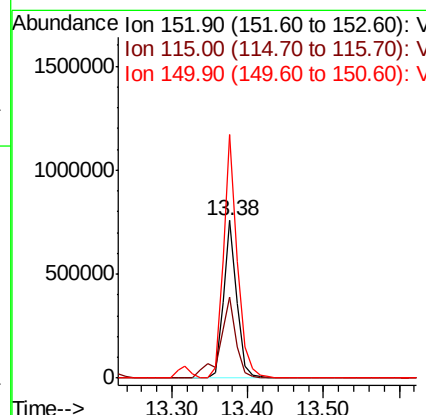
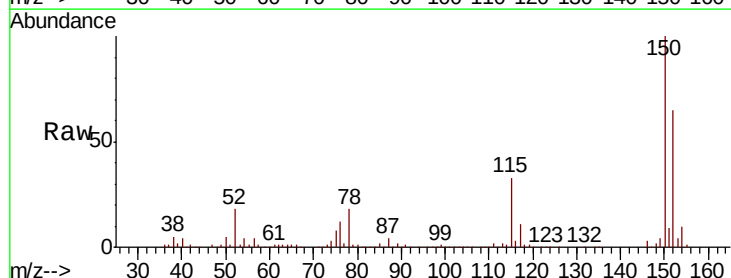
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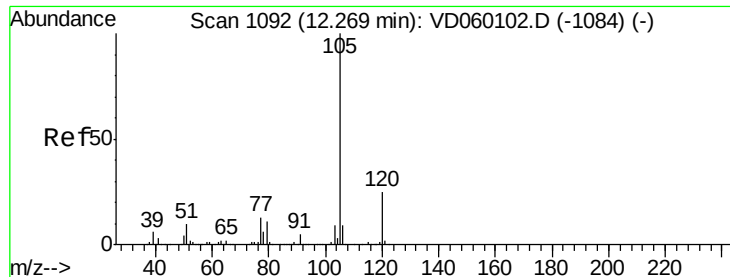
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.6	27.1	81.2
150	154.3	0.0	311.8





#73

Isopropylbenzene

Concen: 22.687 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion:105 Resp: 1418246

Ion Ratio Lower Upper

105 100

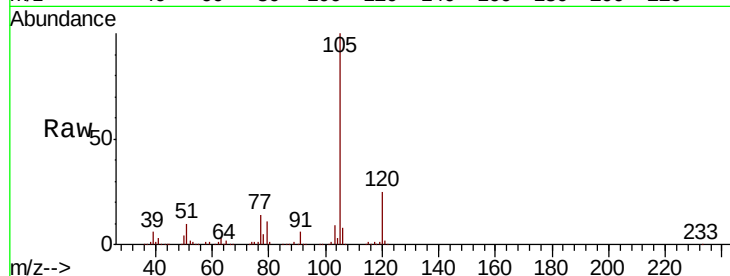
120 24.9 12.6 37.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.28

800000

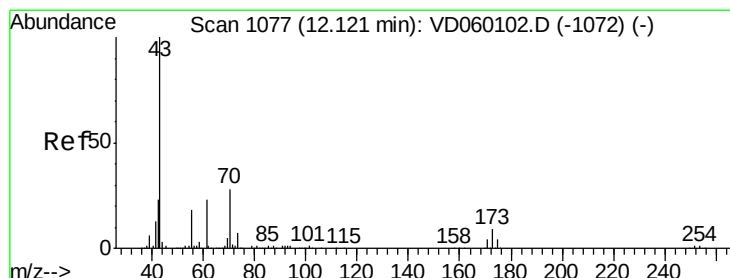
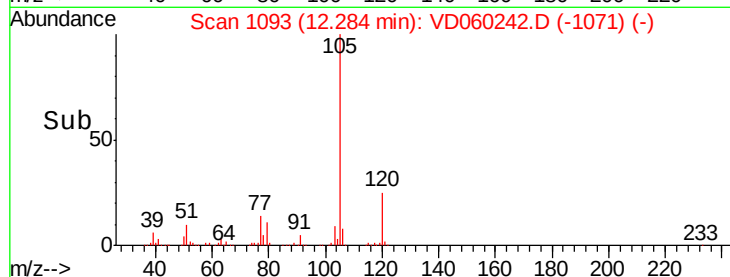
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 22.887 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Tgt Ion: 43 Resp: 524067

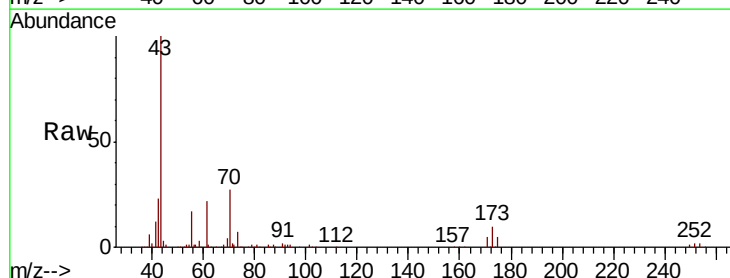
Ion Ratio Lower Upper

43 100

70 26.7 22.1 33.1

55 17.0 14.1 21.1

61 22.0 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

12.14

600000

500000

400000

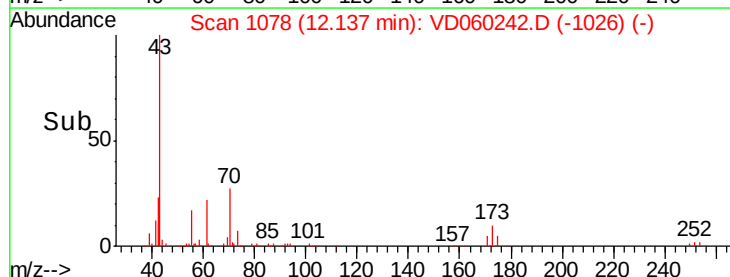
300000

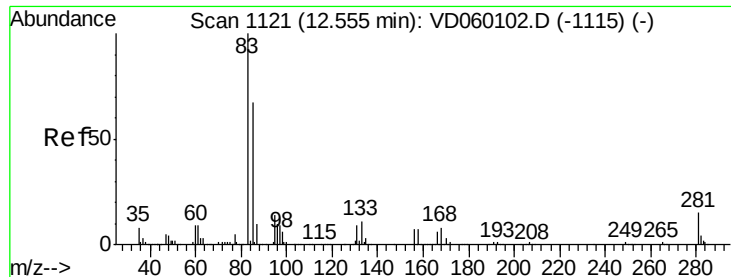
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.523 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

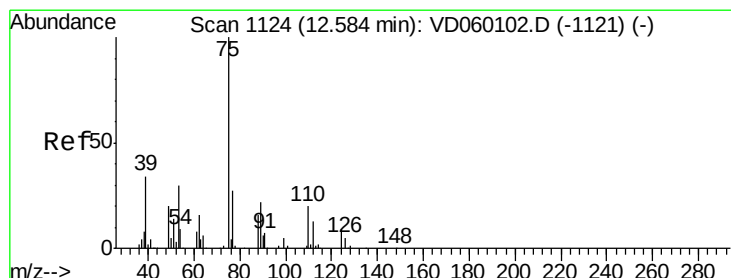
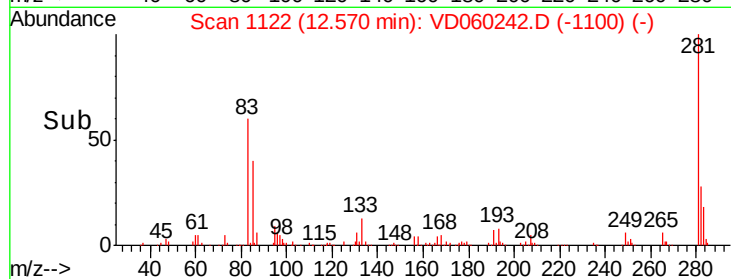
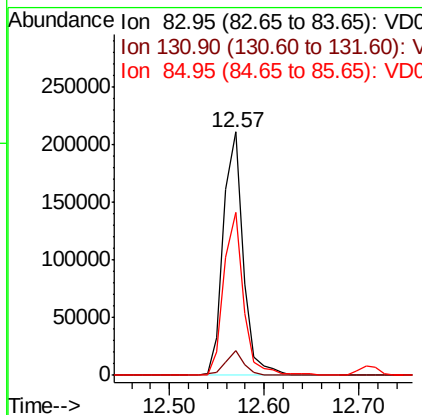
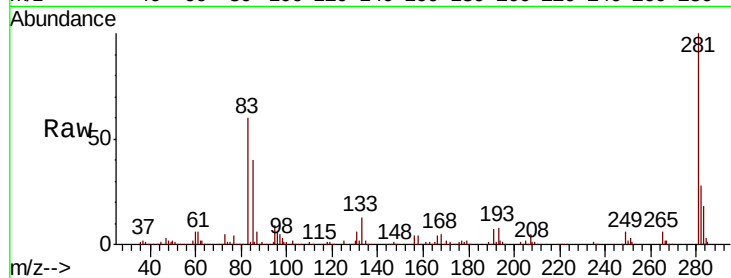
ClientSampleId :

VD1031SBS01

Tot Ion:	83	Resp:	307385
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.5	13.4
85	67.1	33.3	99.9

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#76

1,2,3-Trichloropropane

Concen: 23.007 ug/l

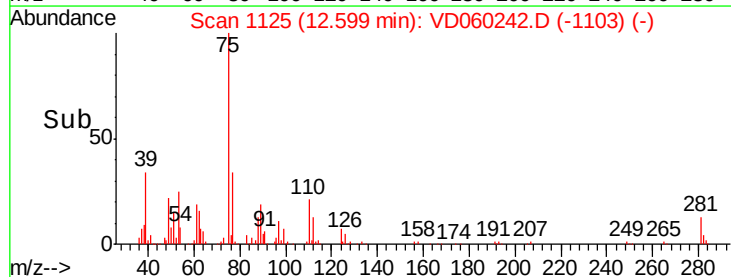
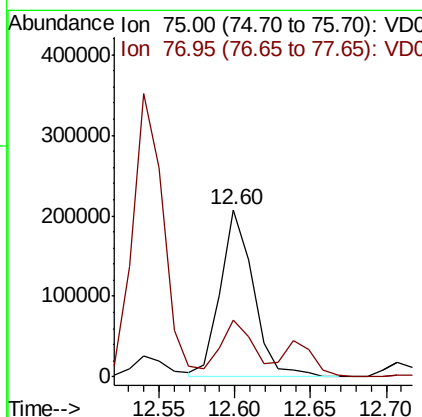
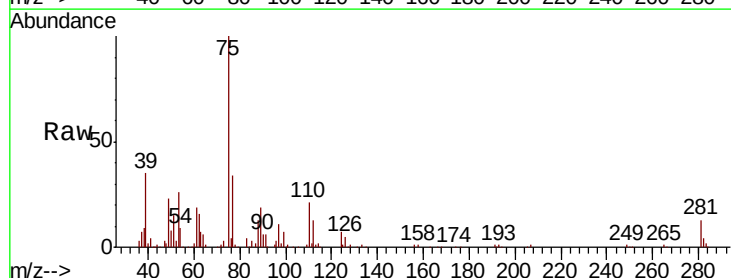
RT: 12.60 min Scan# 1125

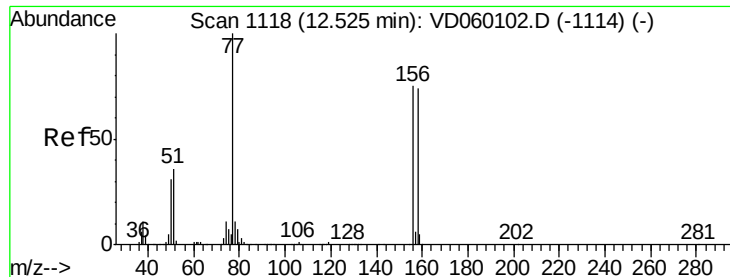
Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Tgt Ion:	75	Resp:	313959
Ion Ratio	Lower	Upper	
75	100		
77	34.3	16.3	48.9





#77

Bromobenzene

Concen: 22.186 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

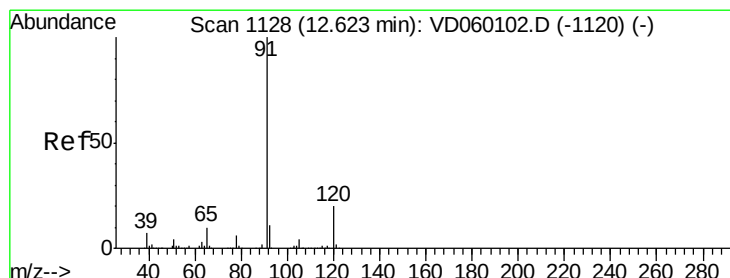
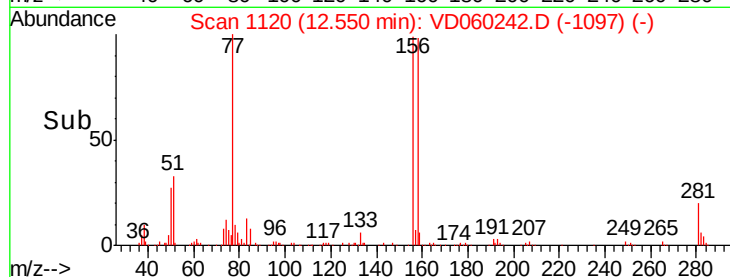
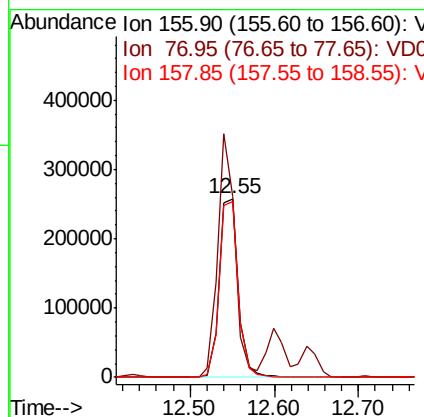
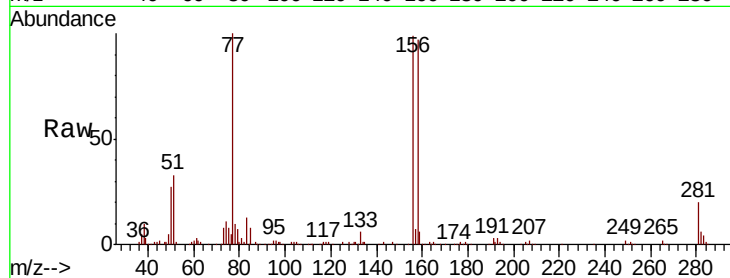
ClientSampleId :

VD1031SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	101.0	66.9	200.7
158	98.1	49.1	147.4

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#78

n-propylbenzene

Concen: 23.169 ug/l

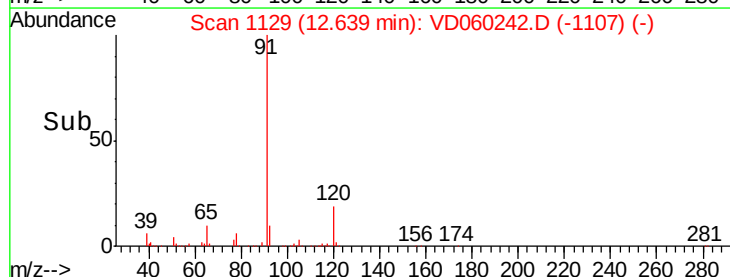
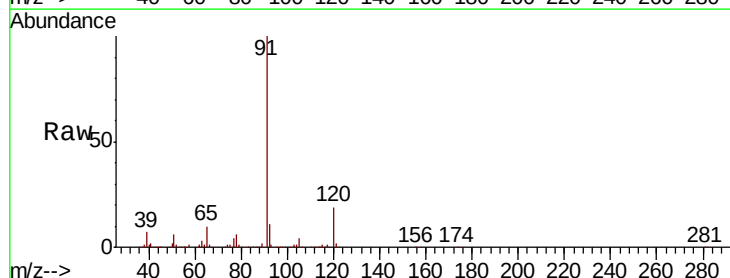
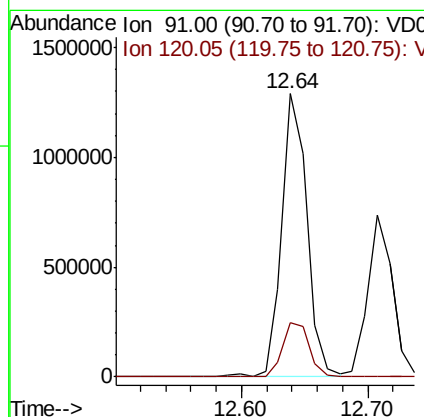
RT: 12.64 min Scan# 1129

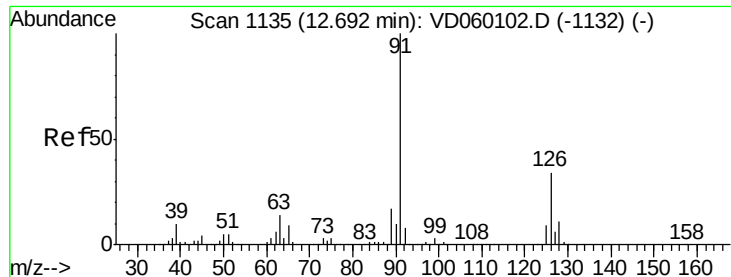
Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.3	10.0	30.0





#79

2-Chlorotoluene

Concen: 22.989 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 91 Resp: 990416

Ion Ratio Lower Upper

91 100

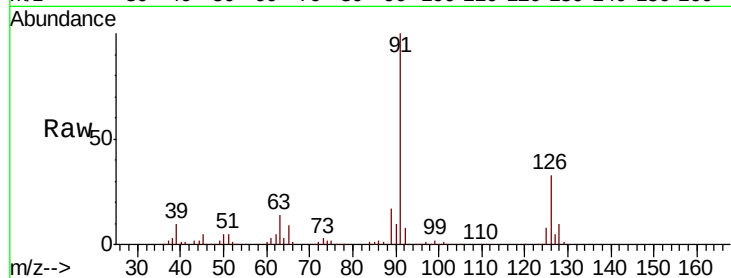
126 33.0 16.8 50.3

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Abundance Ion 91.00 (90.70 to 91.70): V

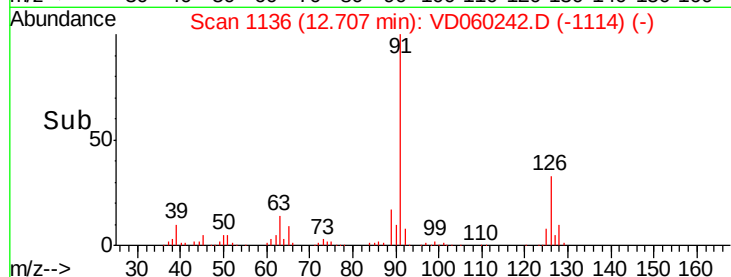
1500000 Ion 125.95 (125.65 to 126.65): V

1000000

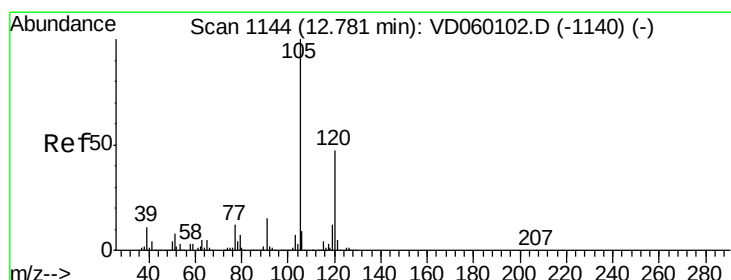
500000

0

12.65 12.70 12.75



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.331 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VD060242.D

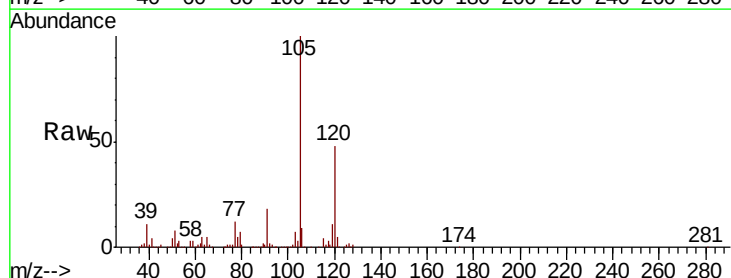
Acq: 31 Oct 2018 15:27

Tgt Ion:105 Resp: 1128798

Ion Ratio Lower Upper

105 100

120 47.5 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

1000000 Ion 120.05 (119.75 to 120.75): V

800000

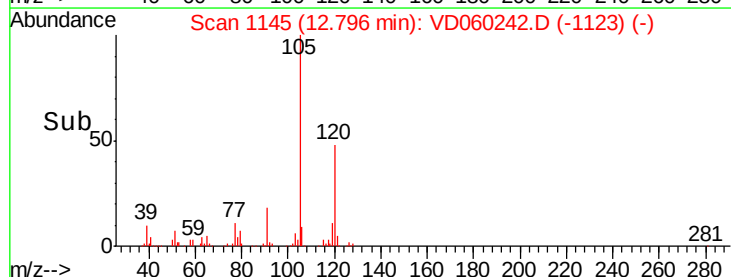
600000

400000

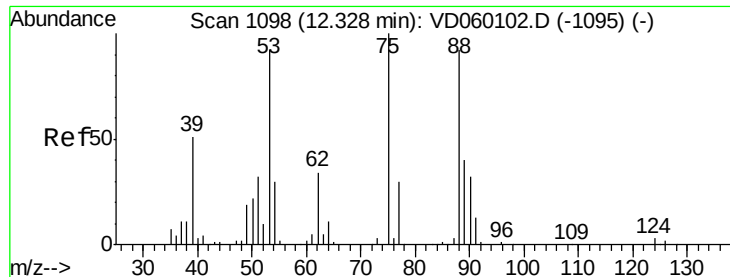
200000

0

12.70 12.80 12.90



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 22.840 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 75 Resp: 87579

Ion Ratio Lower Upper

75 100

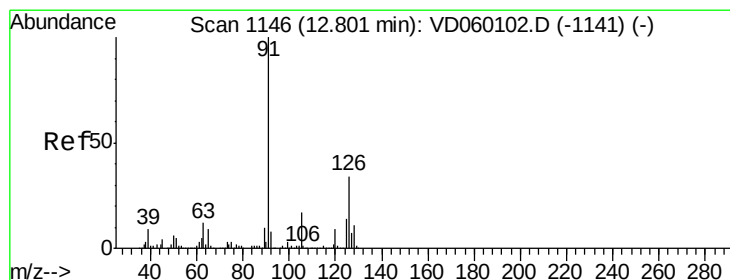
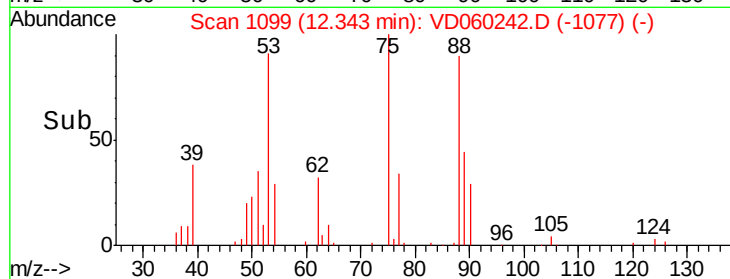
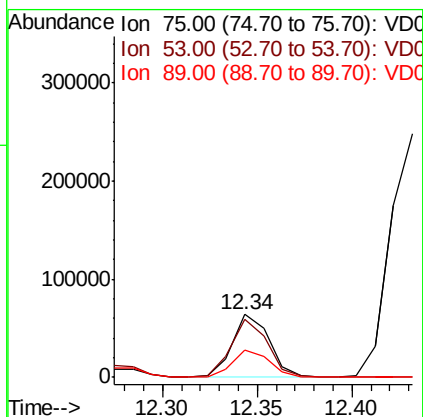
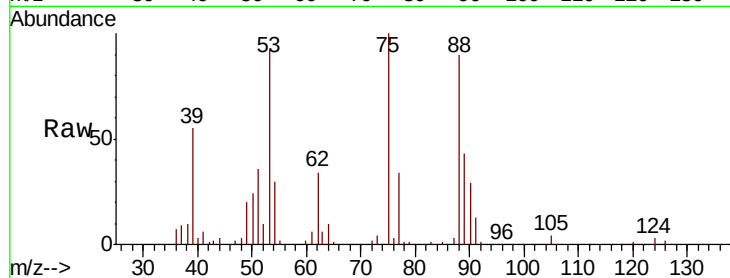
53 92.2 73.0 109.6

89 43.3 32.0 48.0

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#82

4-Chlorotoluene

Concen: 23.204 ug/l

RT: 12.82 min Scan# 1147

Delta R.T. 0.02 min

Lab File: VD060242.D

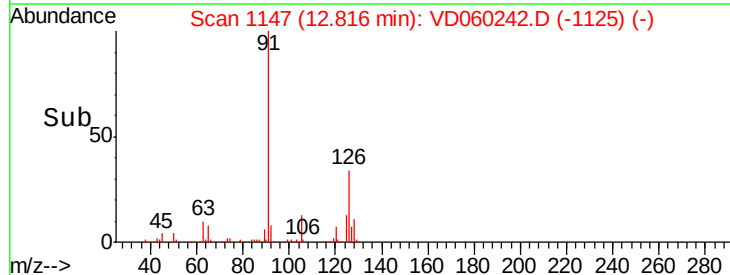
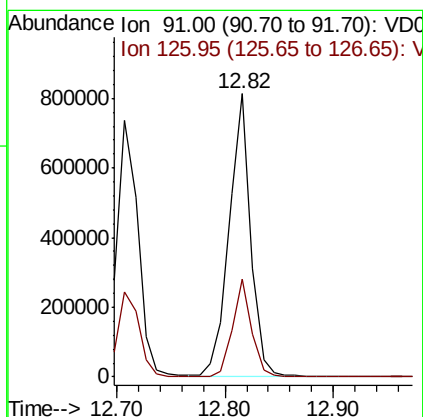
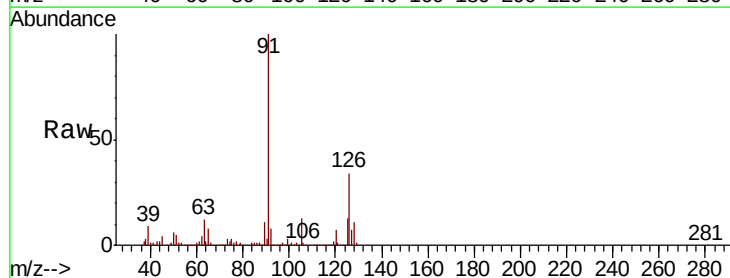
Acq: 31 Oct 2018 15:27

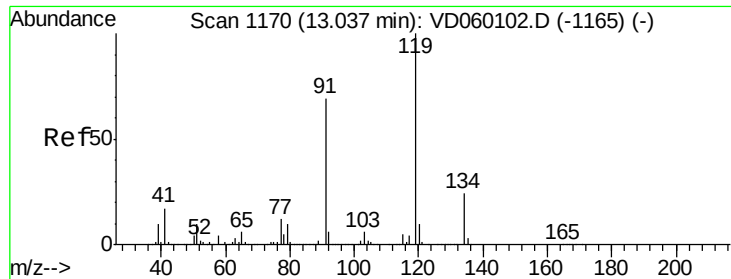
Tgt Ion: 91 Resp: 1130659

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.2





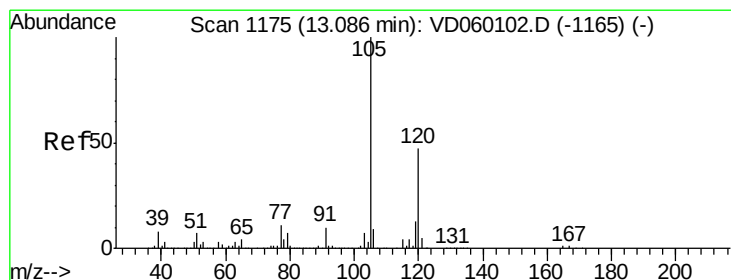
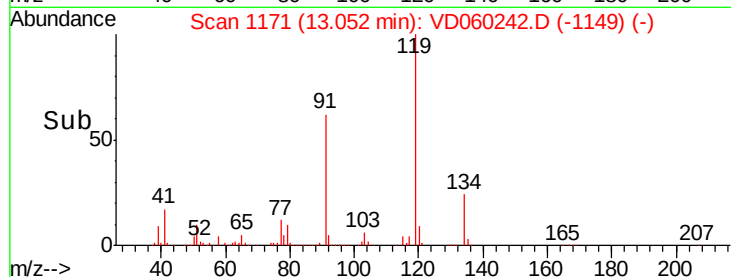
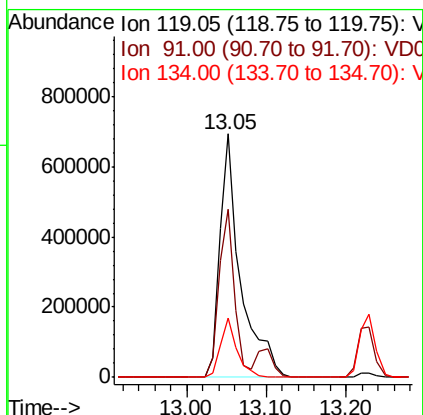
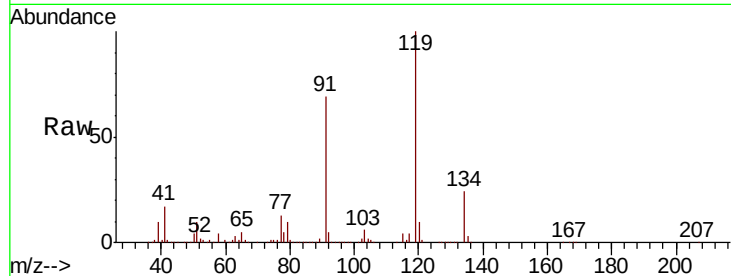
#83
 tert-Butylbenzene
 Concen: 22.761 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion:119 Resp: 1263705
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.8 104.4
 134 24.3 11.8 35.4

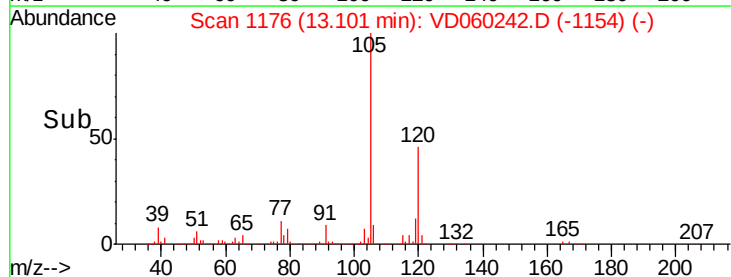
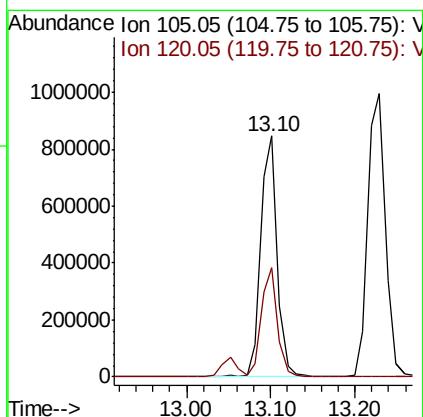
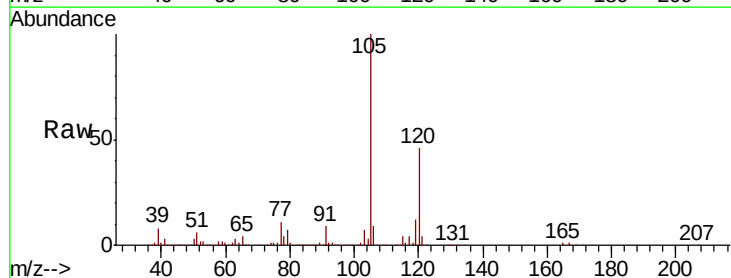
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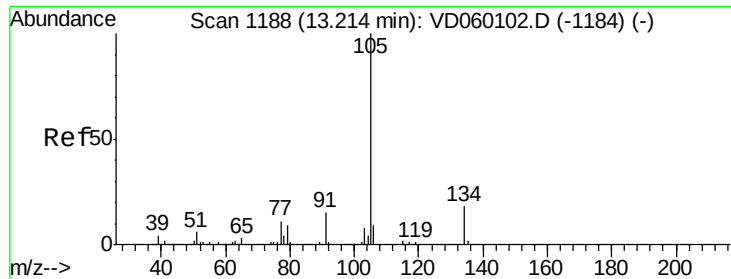
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.950 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion:105 Resp: 1170270
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.4 70.0





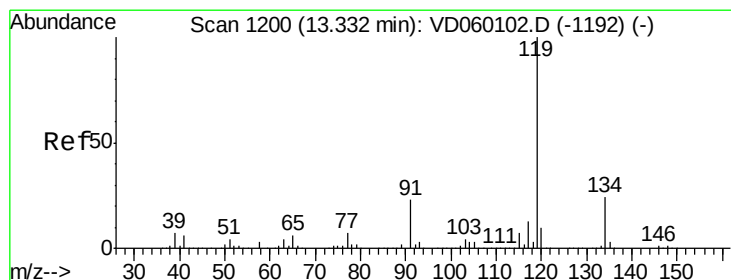
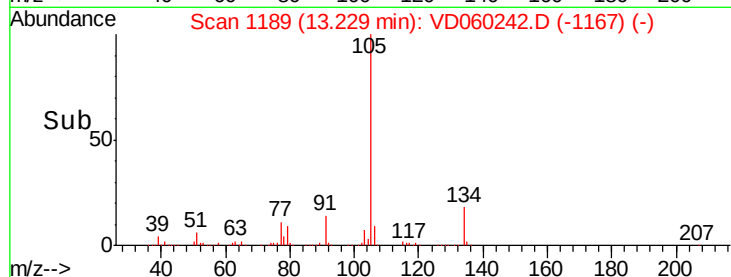
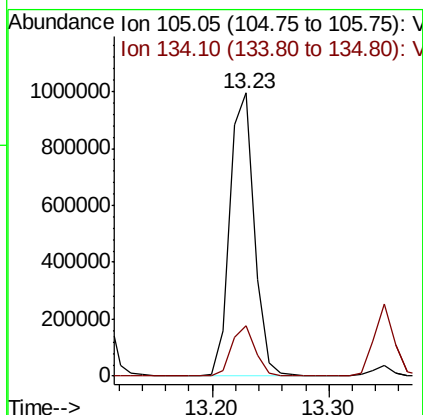
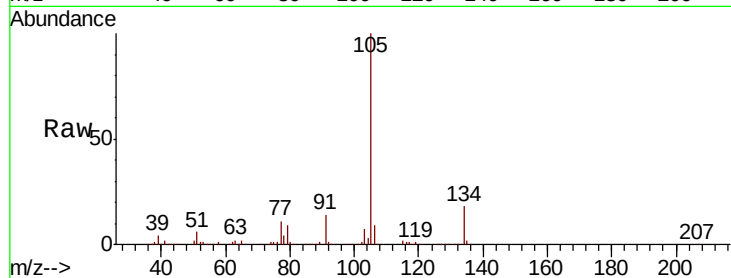
#85
 sec-Butylbenzene
 Concen: 21.951 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion:105 Resp: 1440979
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.8 26.2

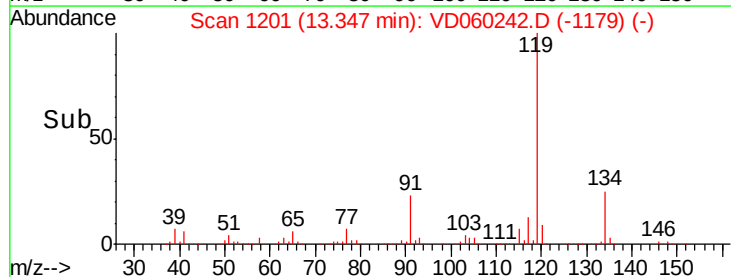
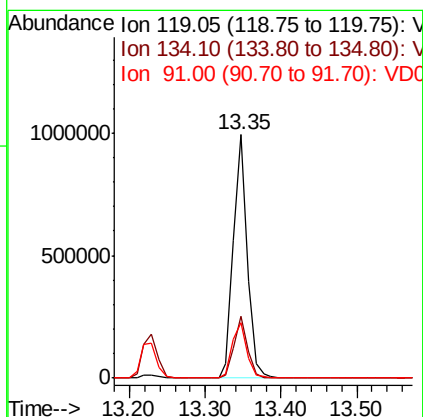
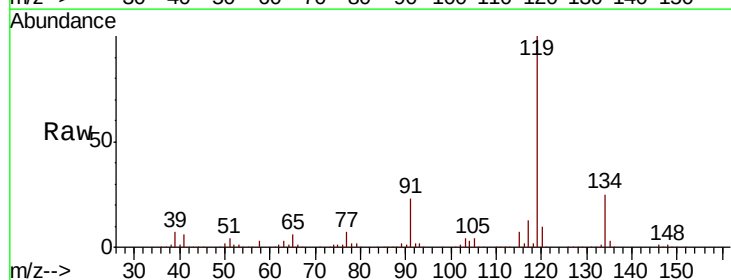
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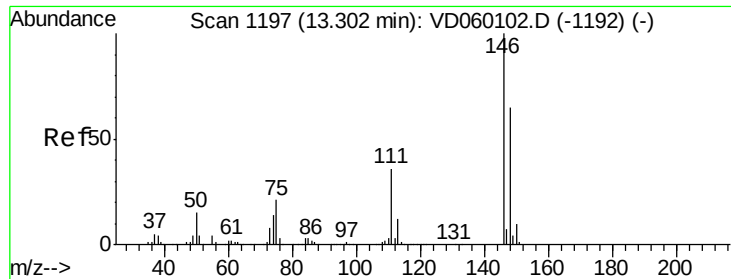
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#86
 p-Isopropyltoluene
 Concen: 23.079 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion:119 Resp: 1242682
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.3 36.8
 91 22.8 11.8 35.4





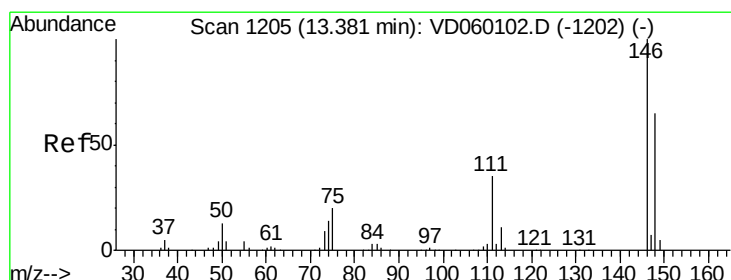
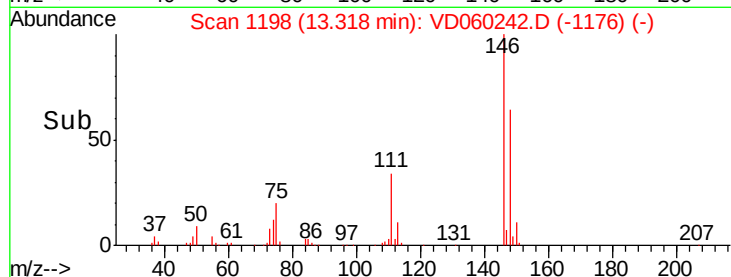
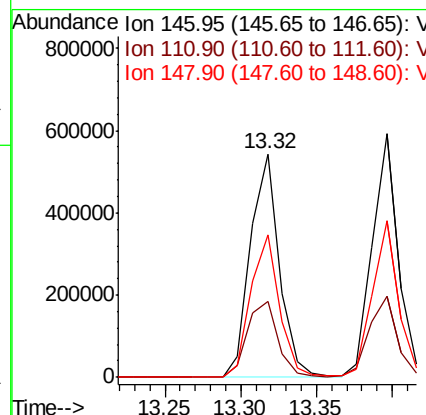
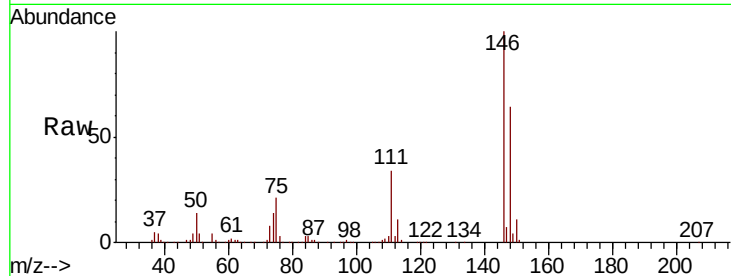
#87
 1,3-Dichlorobenzene
 Concen: 22.932 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.9	18.1	54.3
148	64.0	32.3	96.9

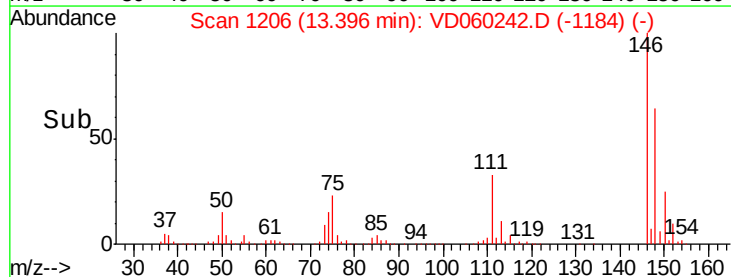
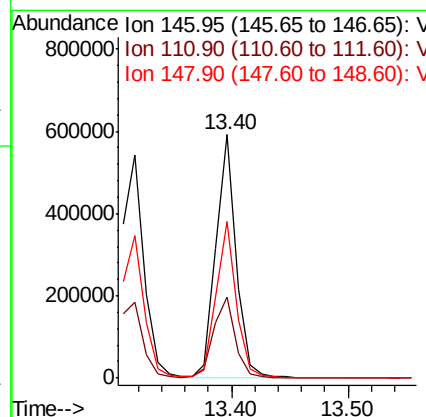
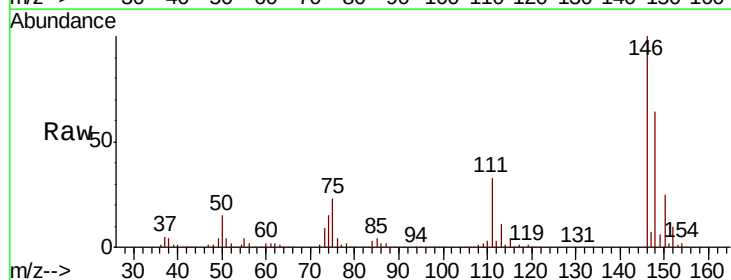
Manual Integrations
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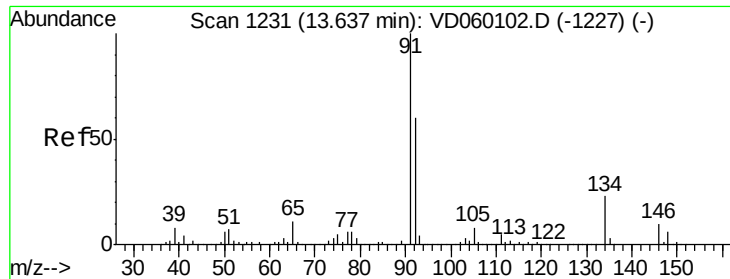
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#88
 1,4-Dichlorobenzene
 Concen: 22.362 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.3	17.8	53.3
148	64.4	32.4	97.2





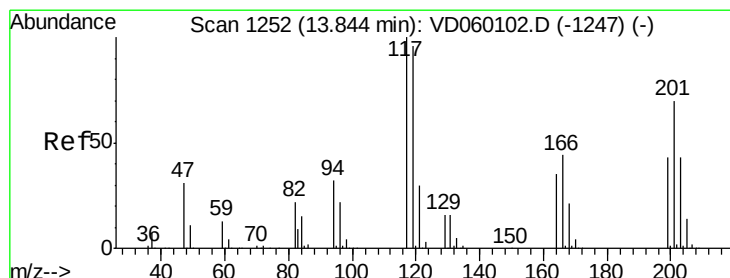
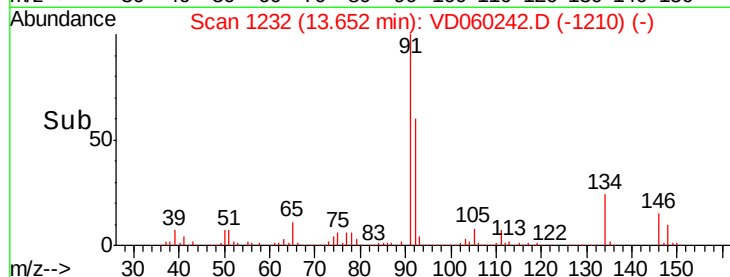
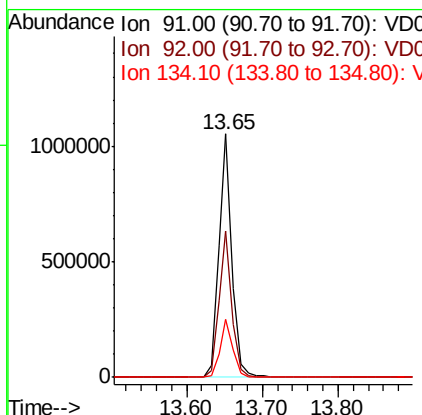
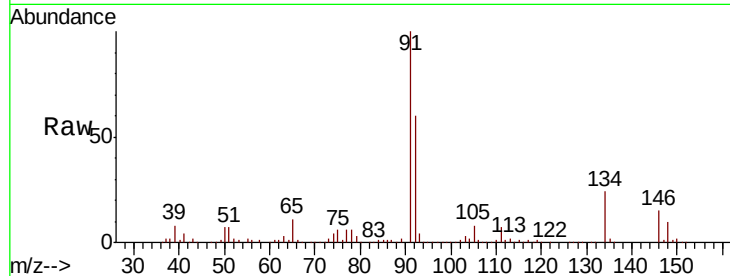
#89
n-Butylbenzene
Concen: 24.258 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion: 91 Resp: 1274470
Ion Ratio Lower Upper
91 100
92 60.1 30.1 90.3
134 23.6 11.6 34.7

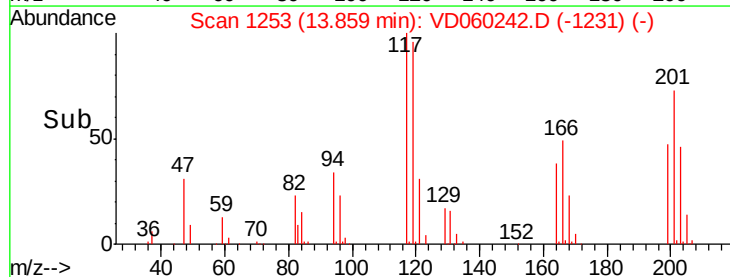
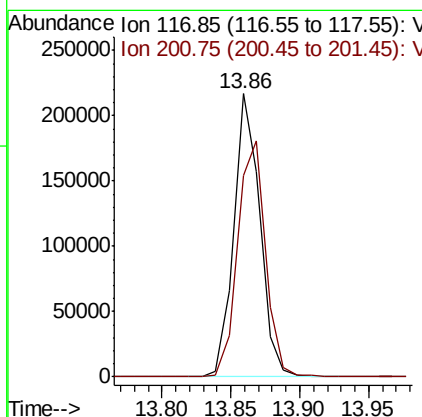
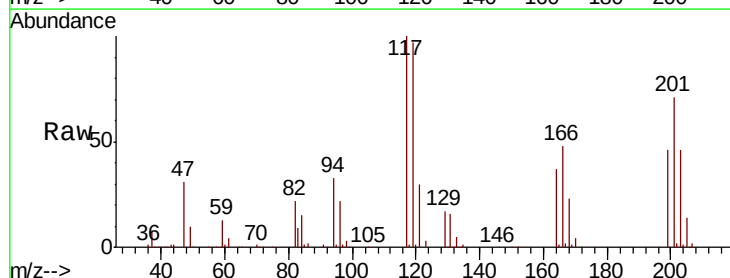
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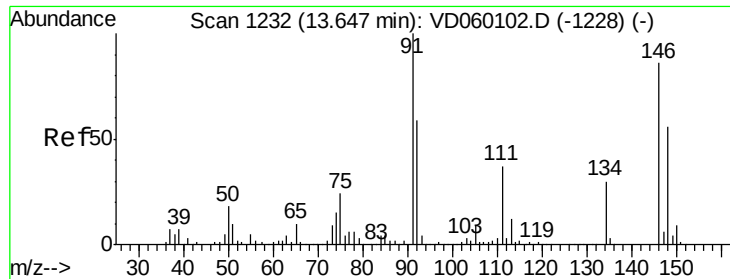
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#90
Hexachloroethane
Concen: 22.920 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 117 Resp: 285610
Ion Ratio Lower Upper
117 100
201 71.2 34.8 104.5





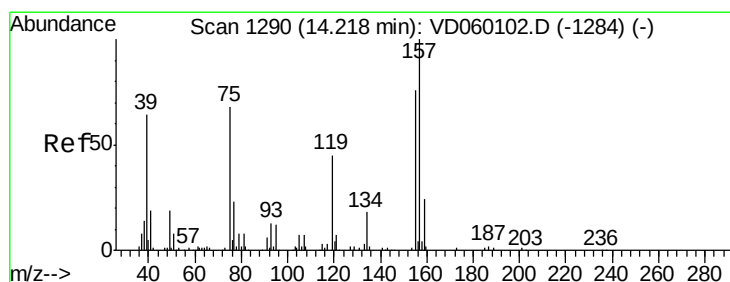
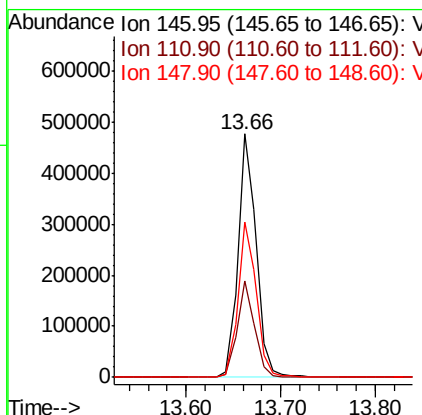
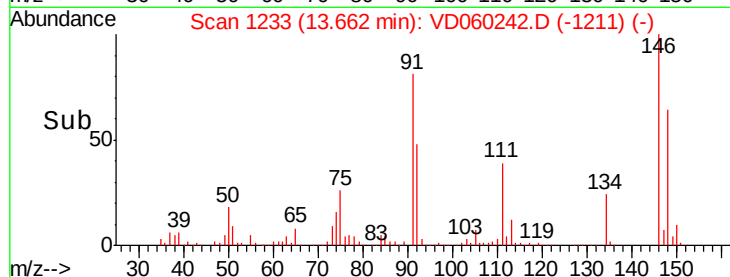
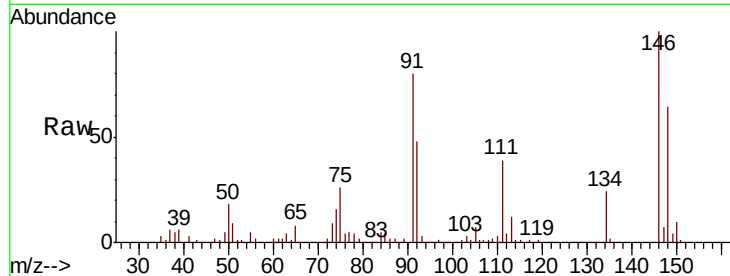
#91
 1,2-Dichlorobenzene
 Concen: 23.771 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.4	64.3
148	63.6	32.2	96.6

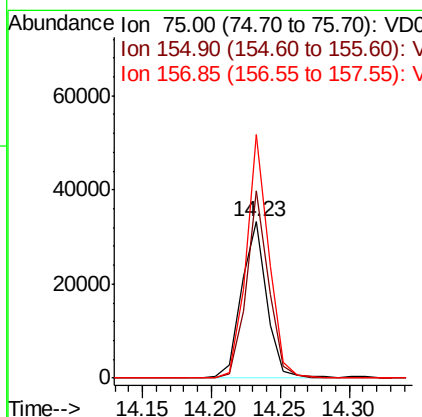
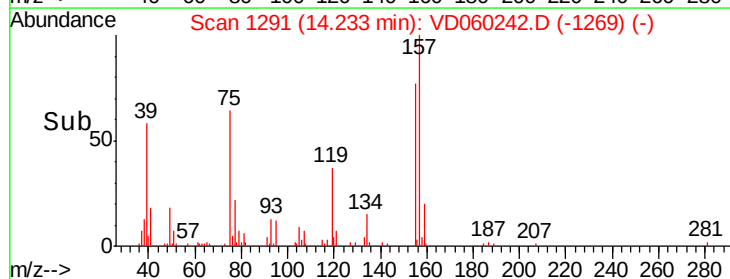
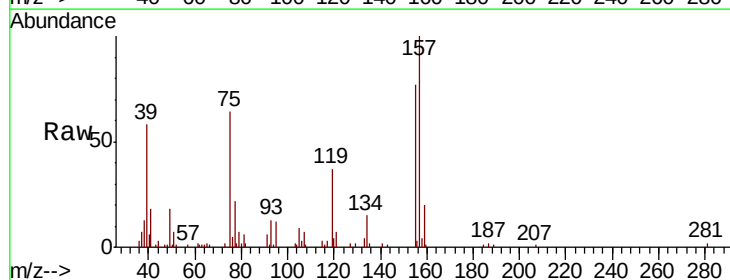
Manual Integrations
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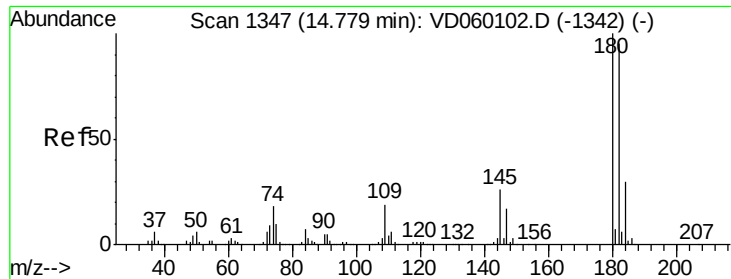
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.412 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	119.7	55.9	167.7
157	156.0	73.3	219.8





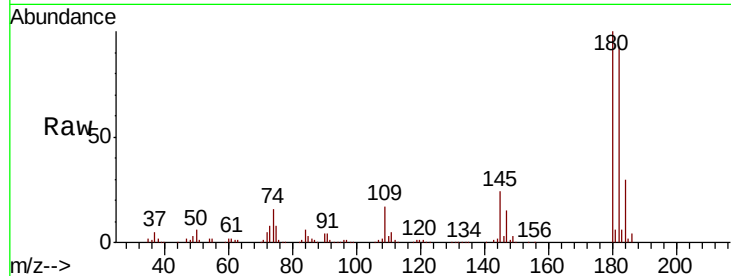
#93
 1,2,4-Trichlorobenzene
 Concen: 22.214 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

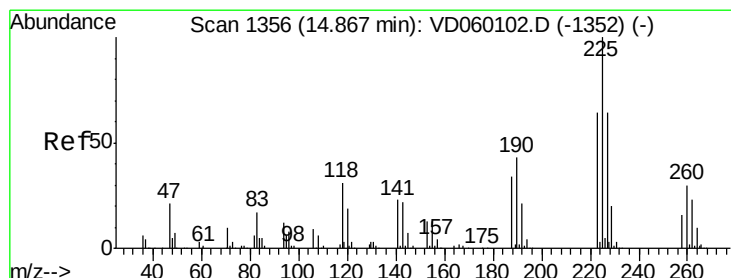
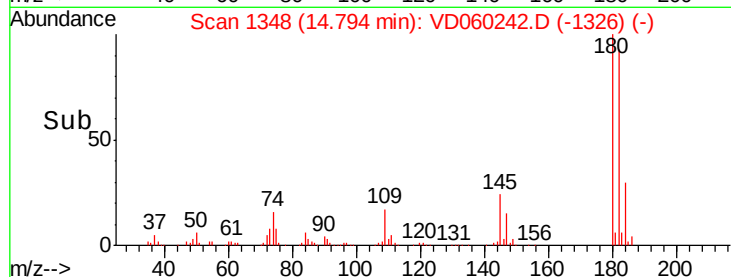
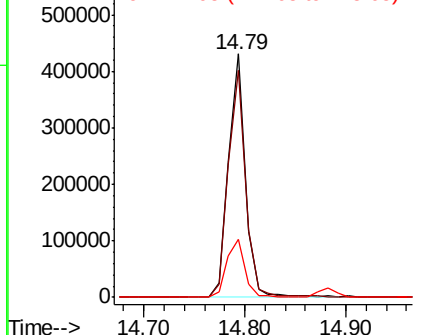
Tot Ion:	180	Resp:	501763
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.3	141.8
145	23.9	13.0	38.9

Manual Integrations
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MMDadoda
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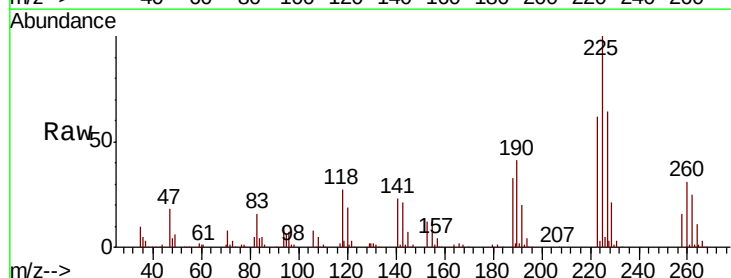


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

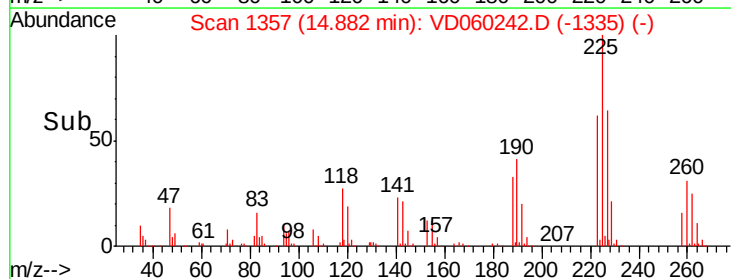
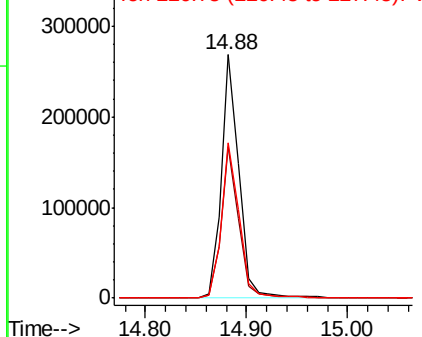


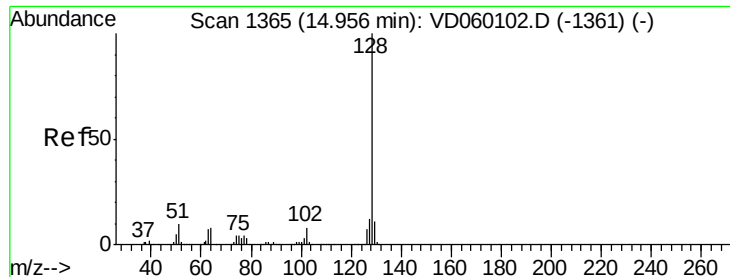
#94
 Hexachlorobutadiene
 Concen: 21.930 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion:	225	Resp:	329269
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.8	95.4
227	63.8	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





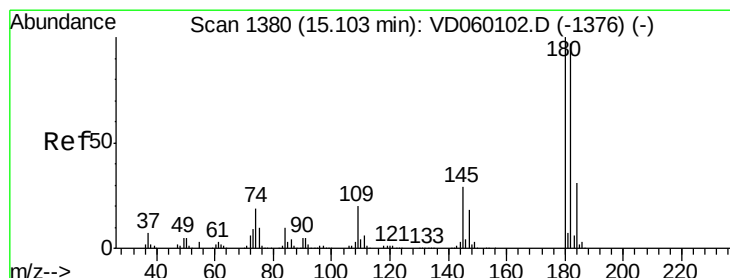
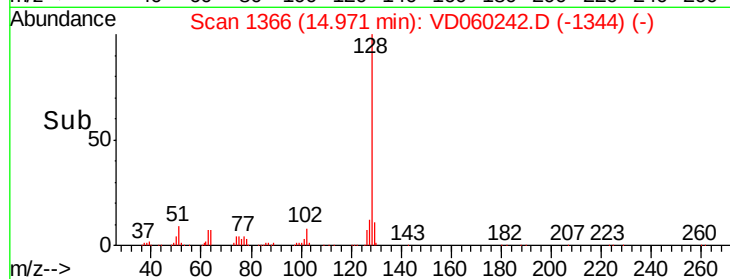
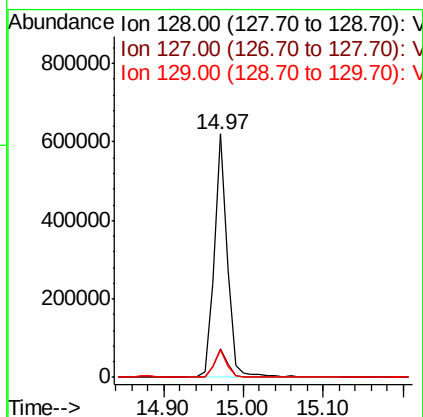
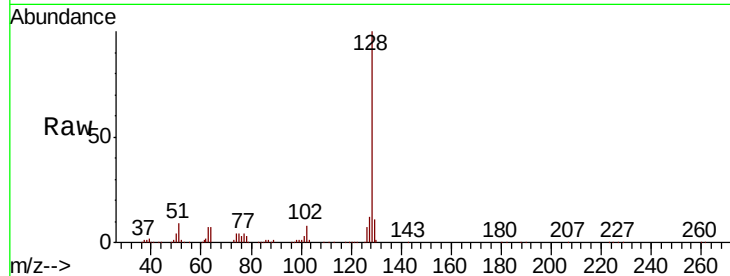
#95
Naphthalene
Concen: 21.605 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.9	14.9
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.996 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.4	145.0
145	25.5	14.5	43.6

