

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060913.D
 Acq On : 1 Mar 2019 17:03
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:08 AM

Quant Time: Mar 02 01:30:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	728843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1273815	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1063345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	458085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	430977	79.56	ug/l	0.00
Spiked Amount			Recovery	=	159.12%	
35) Dibromofluoromethane	6.91	113	756150	79.40	ug/l	0.00
Spiked Amount			Recovery	=	158.80%	
50) Toluene-d8	10.40	98	1904866	73.89	ug/l	0.00
Spiked Amount			Recovery	=	147.78%	
62) 4-Bromofluorobenzene	13.55	95	709249	70.80	ug/l	0.00
Spiked Amount			Recovery	=	141.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	524635	66.009	ug/l	98
3) Chloromethane	1.76	50	420833	86.128	ug/l	99
4) Vinyl Chloride	1.85	62	397718	87.584	ug/l	99
5) Bromomethane	2.15	94	60675	71.414	ug/l #	95
6) Chloroethane	2.26	64	91651	74.382	ug/l	97
7) Trichlorofluoromethane	2.52	101	483963	65.748	ug/l	93
8) Diethyl Ether	2.87	74	213152	168.392	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	685148	151.363	ug/l	92
10) Methyl Iodide	3.30	142	1053520	81.515	ug/l	97
11) Tert butyl alcohol	4.06	59	164227	399.238	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	581320	171.908	ug/l	94
13) Acrolein	3.04	56	203214	891.030	ug/l	96
14) Allyl chloride	3.62	41	992880	89.934	ug/l	92
15) Acrylonitrile	4.19	53	591005	460.116	ug/l	97
16) Acetone	3.21	43	655305	398.715	ug/l	92
17) Carbon Disulfide	3.37	76	2105768	84.281	ug/l	100
18) Methyl Acetate	3.64	43	301990	88.560	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	1073239	75.710	ug/l	93
20) Methylene Chloride	3.81	84	643400	69.683	ug/l #	85
21) trans-1,2-Dichloroethene	4.21	96	629976	84.066	ug/l	99
22) Diisopropyl ether	5.11	45	1959944	90.503	ug/l	93
23) Vinyl Acetate	5.05	43	5222613	426.164	ug/l	99
24) 1,1-Dichloroethane	4.98	63	1112128	94.005	ug/l	99
25) 2-Butanone	6.06	43	842993	388.618	ug/l	96
26) 2,2-Dichloropropane	6.02	77	773347	68.860	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	697335	84.740	ug/l	98
28) Bromochloromethane	6.43	49	465800	100.087	ug/l	99
29) Tetrahydrofuran	6.44	42	448841	415.235	ug/l	96
30) Chloroform	6.66	83	1023681	73.145	ug/l	98
31) Cyclohexane	6.94	56	860076	87.652	ug/l	89
32) 1,1,1-Trichloroethane	6.87	97	855433	78.515	ug/l	95
36) 1,1-Dichloropropene	7.14	75	764974	57.400	ug/l	91
37) Ethyl Acetate	6.18	43	405964	64.794	ug/l	98
38) Carbon Tetrachloride	7.10	117	893325	72.239	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	900945	63.595	ug/l #	85
40) Benzene	7.45	78	1916742	57.872	ug/l	100
41) Methacrylonitrile	6.44	41	299735m	88.552	ug/l	
42) 1,2-Dichloroethane	7.56	62	572802	63.589	ug/l	99
43) Isopropyl Acetate	9.23	43	610987	68.843	ug/l #	99
44) Trichloroethene	8.53	130	724322	67.063	ug/l	97
45) 1,2-Dichloropropane	8.93	63	563233	72.800	ug/l	98
46) Dibromomethane	9.05	93	352580	63.426	ug/l	88
47) Bromodichloromethane	9.37	83	801036	60.759	ug/l	98
48) Methyl methacrylate	9.11	41	318628	62.358	ug/l	96
49) 1,4-Dioxane	9.07	88	70413	1315.475	ug/l #	79
51) 4-Methyl-2-Pentanone	10.29	43	1751832	319.985	ug/l	91
52) Toluene	10.50	92	1296431	67.583	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	686412	56.401	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	888354	63.357	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	435564	66.195	ug/l	94
56) Ethyl methacrylate	11.04	69	461437	61.624	ug/l	94
57) 1,3-Dichloropropane	11.40	76	661231	61.017	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	1222251	340.683	ug/l	99
59) 2-Hexanone	11.52	43	1190593	283.260	ug/l	96
60) Dibromochloromethane	11.68	129	645820	68.302	ug/l	100
61) 1,2-Dibromoethane	11.80	107	523743	70.312	ug/l	97
64) Tetrachloroethene	11.25	164	534770	56.285	ug/l	91
65) Chlorobenzene	12.39	112	1618878	75.115	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	572403	66.742	ug/l	96
67) Ethyl Benzene	12.52	91	2200198	59.979	ug/l	92
68) m/p-Xylenes	12.66	106	1732832	133.650	ug/l	83
69) o-Xylene	13.04	106	782046	62.628	ug/l	82
70) Styrene	13.07	104	1339905	63.844	ug/l	96
71) Bromoform	13.23	173	383592	56.242	ug/l	99
73) Isopropylbenzene	13.40	105	2240358	83.582	ug/l	97
74) N-amyl acetate	13.26	43	794523	85.764	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	523321	79.273	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	522007	76.583	ug/l	99
77) Bromobenzene	13.67	156	626960	72.677	ug/l	85
78) n-propylbenzene	13.77	91	2679973	74.932	ug/l	96
79) 2-Chlorotoluene	13.84	91	1507470	73.693	ug/l	93
80) 1,3,5-Trimethylbenzene	14.23	105	1687193	76.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	160704	73.997	ug/l	98
82) 4-Chlorotoluene	13.94	91	1597029	71.160	ug/l	96
83) tert-Butylbenzene	14.19	119	1984685	78.018	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	1687193	76.589	ug/l	99
85) sec-Butylbenzene	14.37	105	2296908	80.876	ug/l	98
86) p-Isopropyltoluene	14.49	119	2024057	84.868	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	1086171	68.842	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	1029799	67.581	ug/l	97
89) n-Butylbenzene	14.79	91	1667041	67.468	ug/l	97
90) Hexachloroethane	15.01	117	587269	86.778	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	899304	68.457	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	61614	66.645	ug/l	82

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ClientSampleId :
VSTDICC075

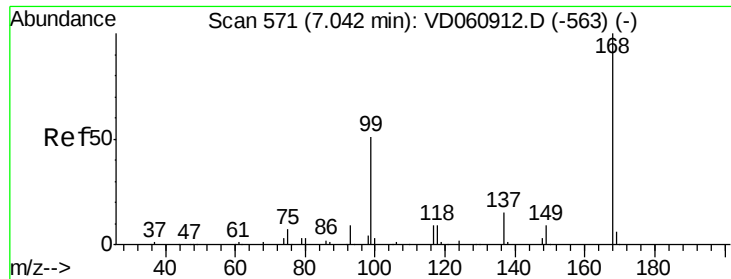
Manual Integrations
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QLast Update : Fri Mar 01 16:47:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	547694	58.911	ug/l	99
94) Hexachlorobutadiene	16.03	225	362631	65.010	ug/l	98
95) Naphthalene	16.12	128	900658	64.258	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	280837	39.281	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 728843

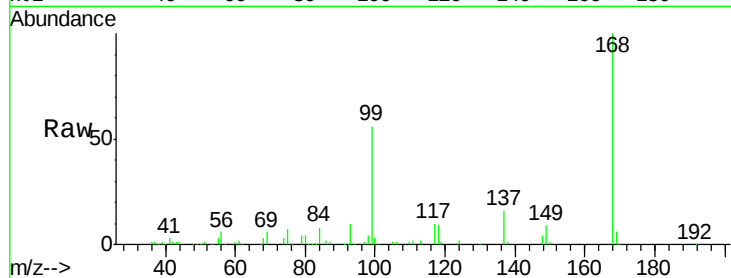
Ion Ratio Lower Upper

168 100

99 56.0 38.2 57.4

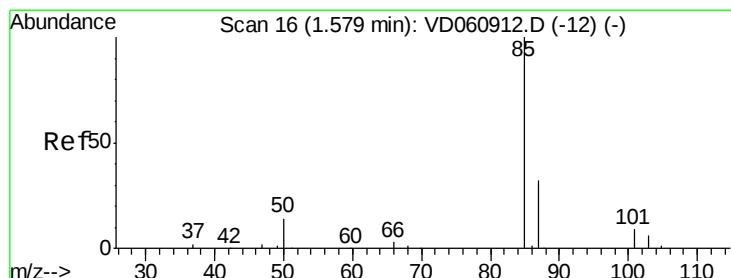
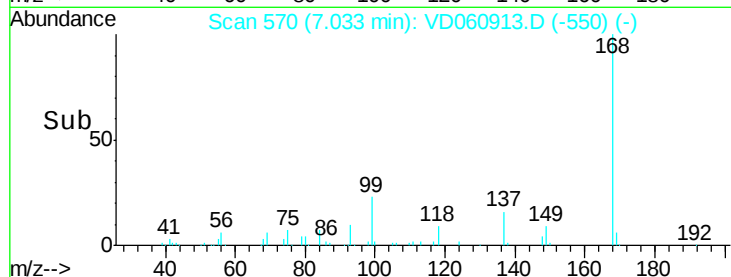
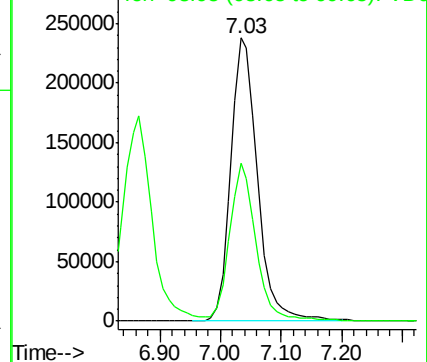
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 66.009 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD060913.D

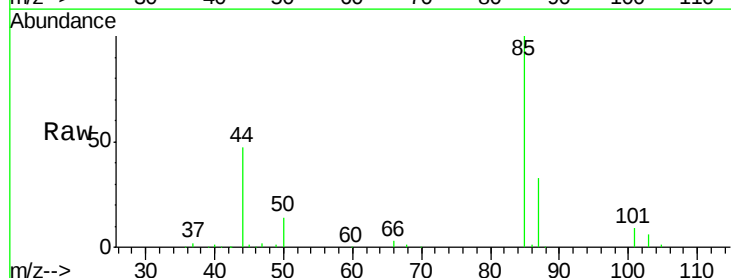
Acq: 1 Mar 2019 17:03

Tgt Ion: 85 Resp: 524635

Ion Ratio Lower Upper

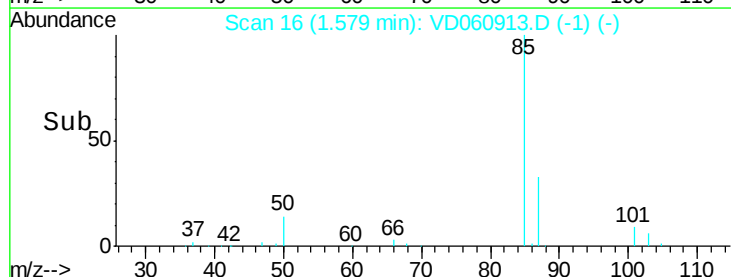
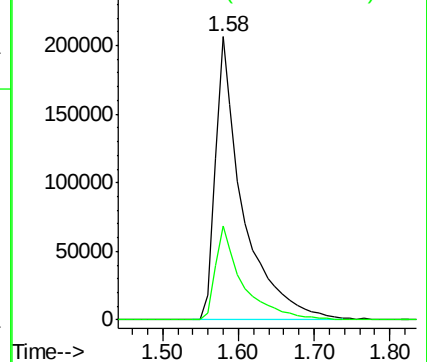
85 100

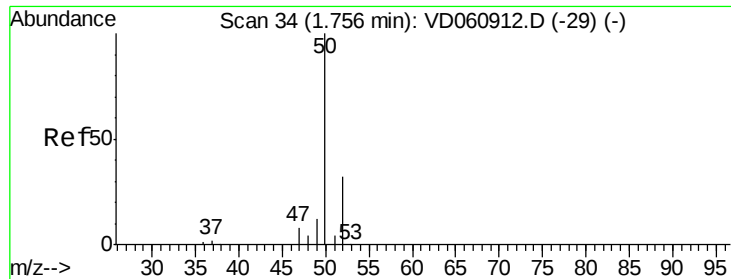
87 33.2 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 86.128 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tot Ion: 50 Resp: 420833

Ion Ratio Lower Upper

50 100

52 34.0 26.8 40.2

Instrument :

MSVOA_D

ClientSampleId :

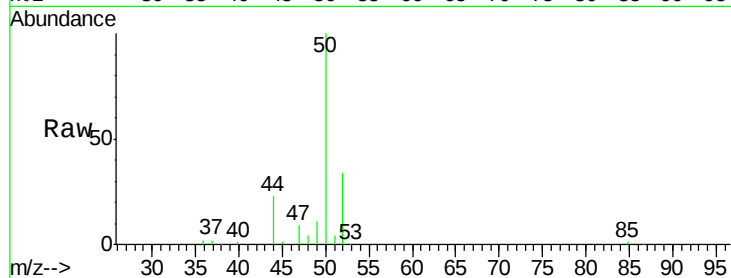
VSTDIC075

Manual Integrations

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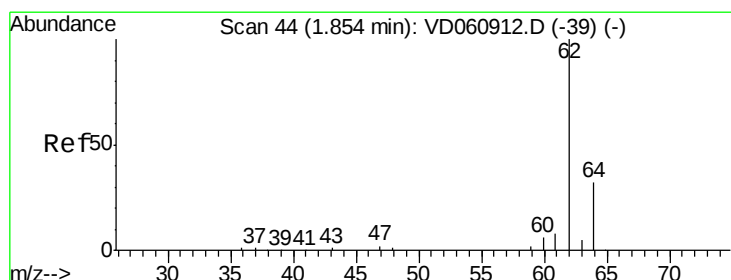
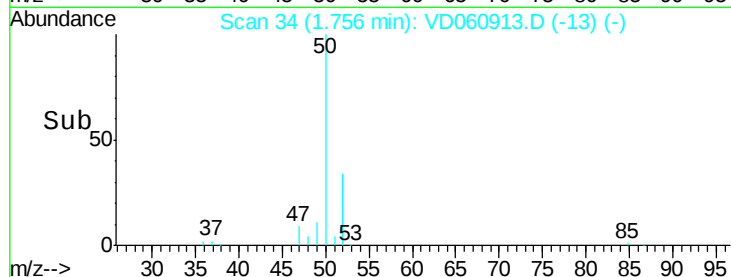
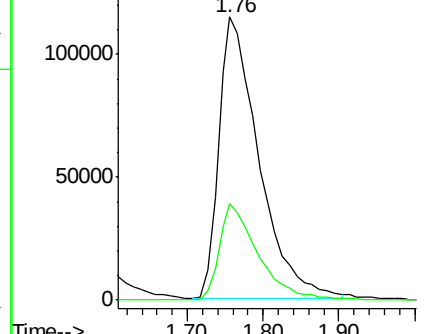
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 87.584 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060913.D

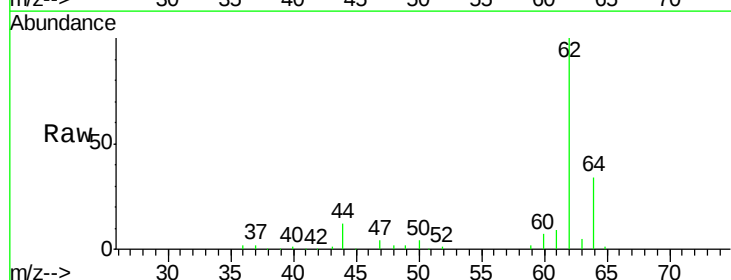
Acq: 1 Mar 2019 17:03

Tgt Ion: 62 Resp: 397718

Ion Ratio Lower Upper

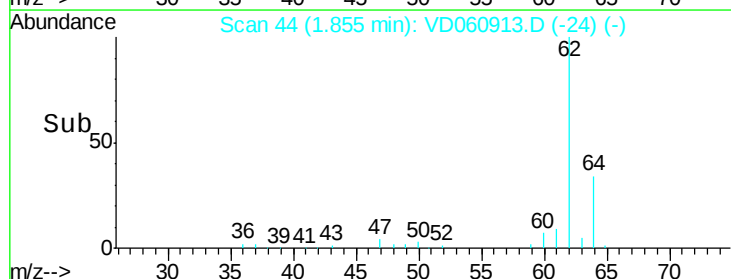
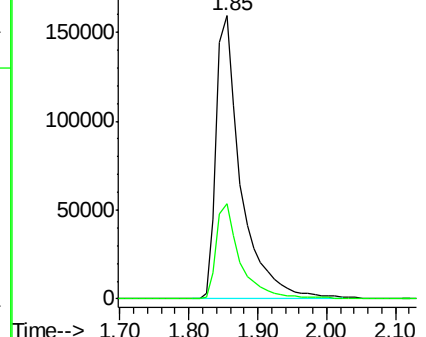
62 100

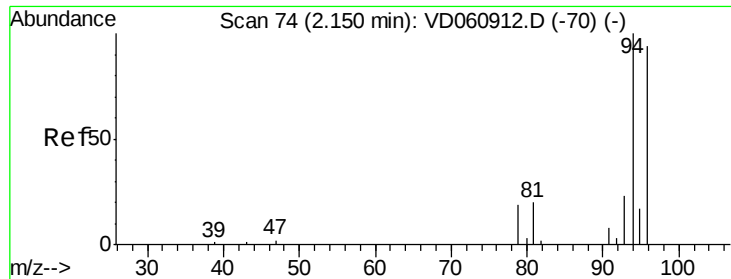
64 33.6 26.3 39.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 71.414 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

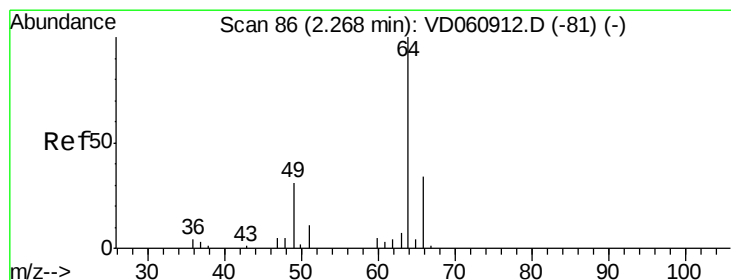
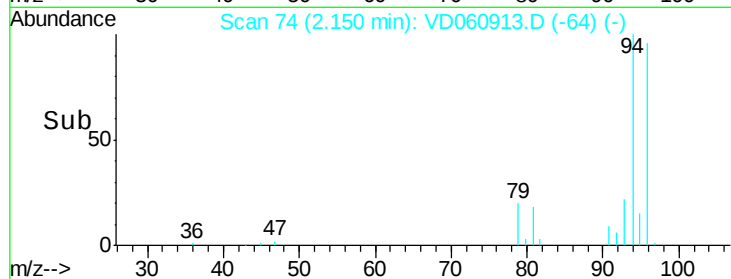
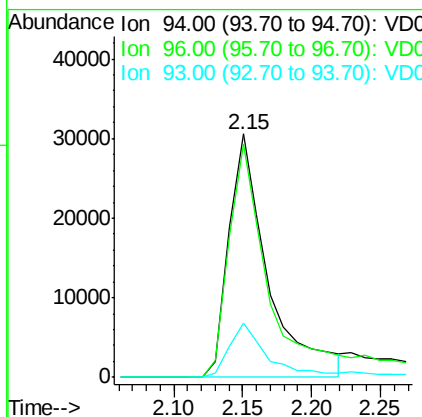
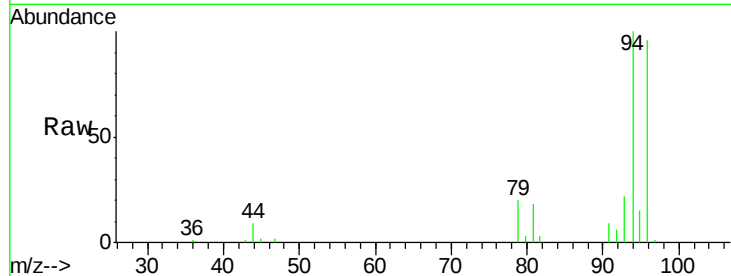
ClientSampleId :

VSTDIC075

Tot Ion:	94	Resp:	60675
Ion	Ratio	Lower	Upper
94	100		
96	96.0	81.0	121.4
93	22.2	0.0	0.0#

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#6

Chloroethane

Concen: 74.382 ug/l

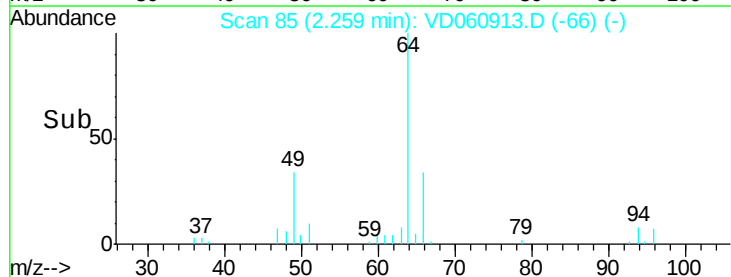
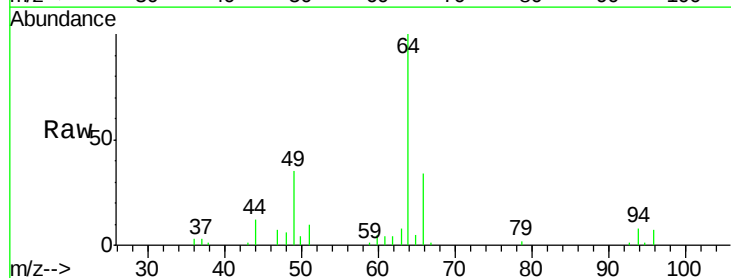
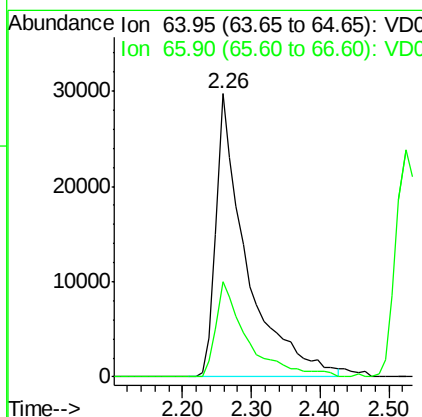
RT: 2.26 min Scan# 85

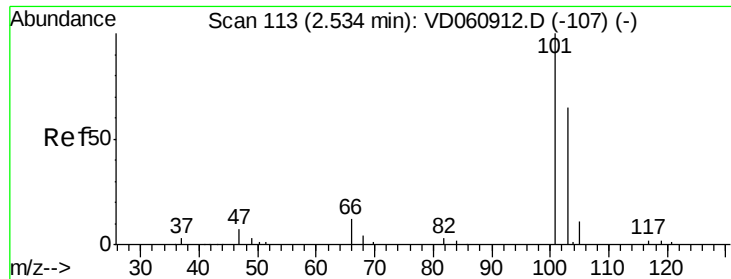
Delta R.T. -0.02 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tgt Ion:	64	Resp:	91651
Ion	Ratio	Lower	Upper
64	100		
66	33.8	25.8	38.6





#7

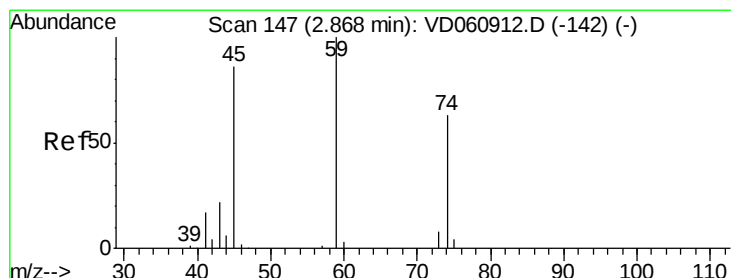
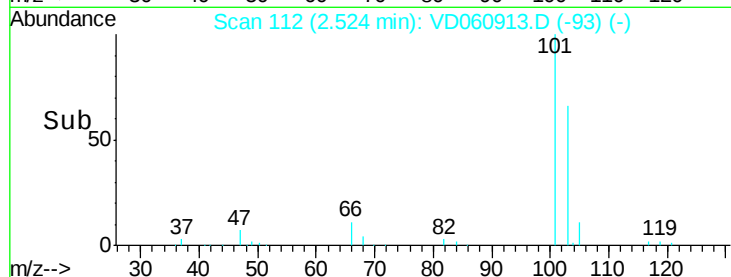
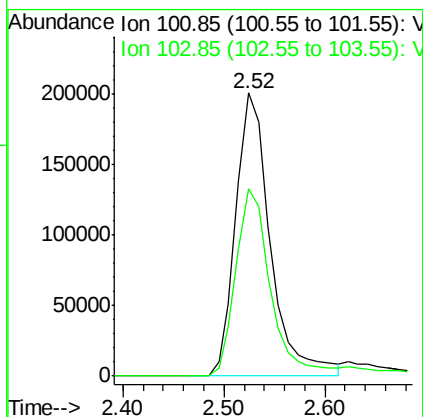
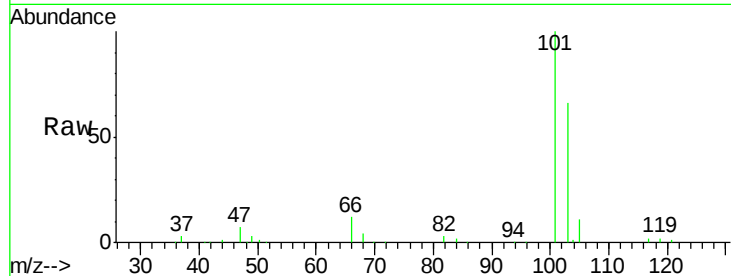
Trichlorofluoromethane
Concen: 65.748 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.02 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	48.6	72.8

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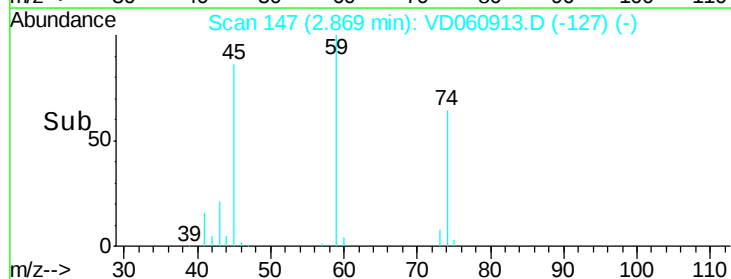
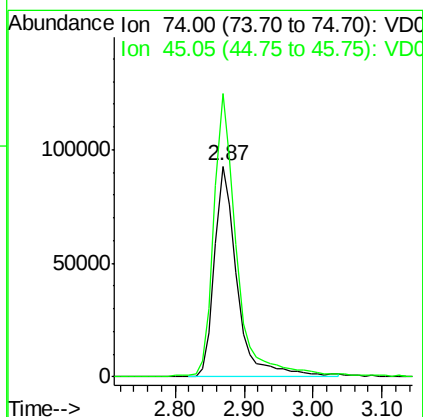
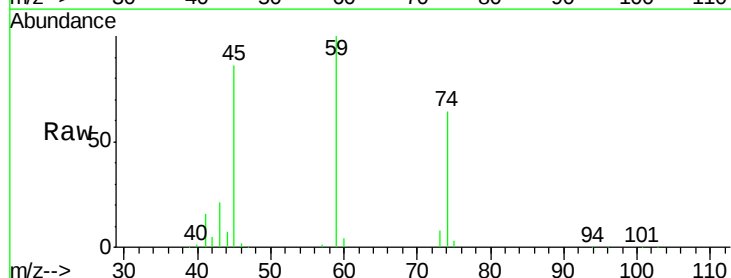
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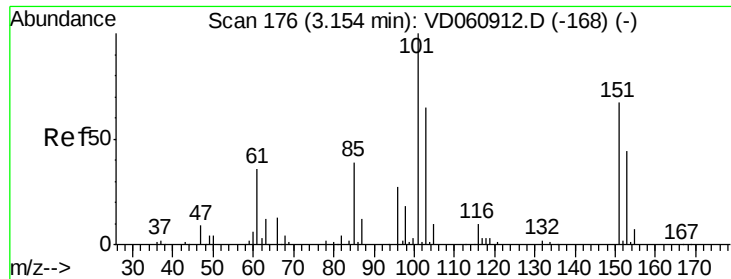


#8

Diethyl Ether
Concen: 168.392 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.4	64.8	194.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.363 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

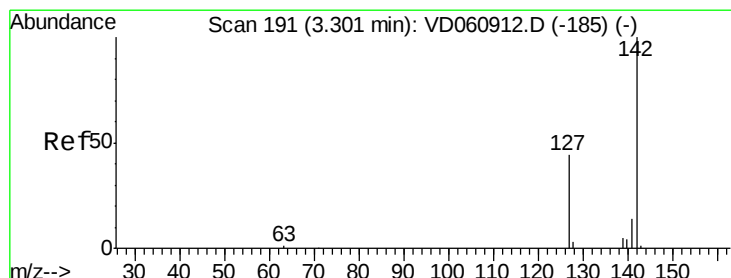
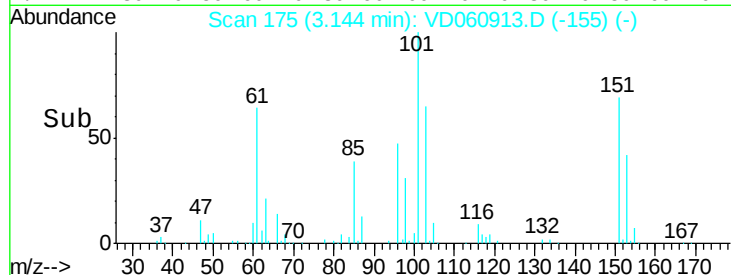
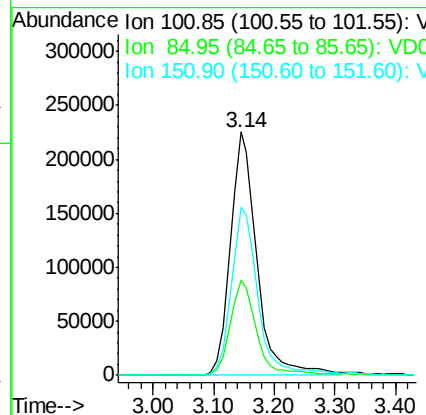
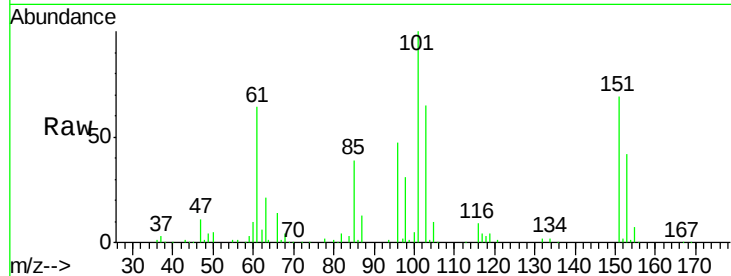
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	685148
Ion Ratio	Lower	Upper	
101	100		
85	38.8	34.7	52.1
151	68.9	61.2	91.8

Manual Integrations
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MMDadoda
3/6/2019 5:33:08 AM



#10

Methyl Iodide

Concen: 81.515 ug/l

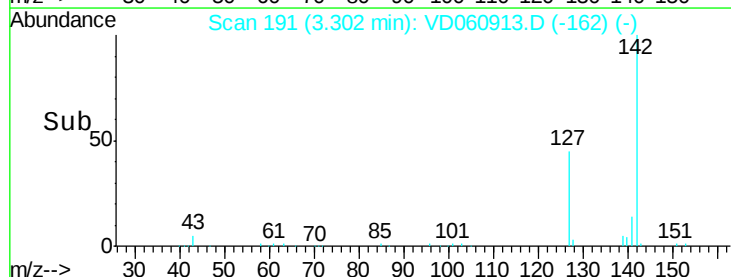
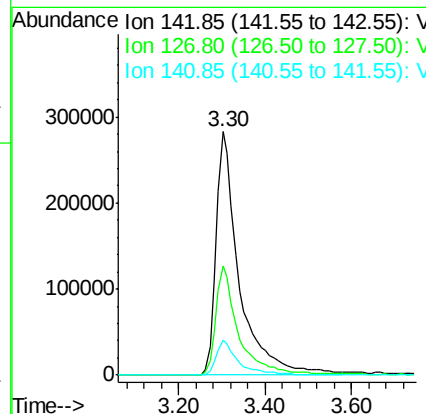
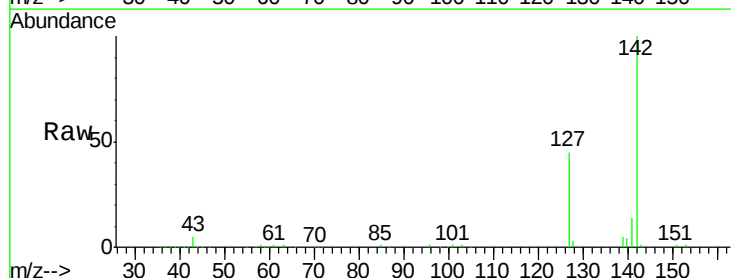
RT: 3.30 min Scan# 191

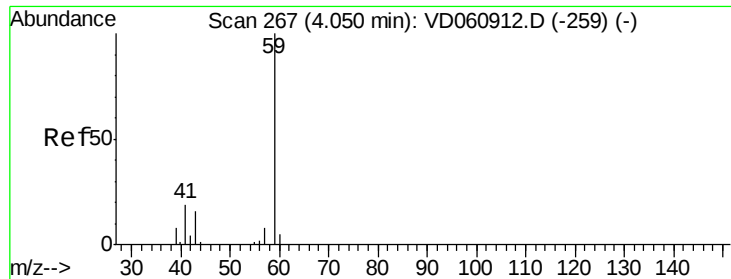
Delta R.T. -0.02 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tgt Ion:	142	Resp:	1053520
Ion Ratio	Lower	Upper	
142	100		
127	45.1	34.2	51.4
141	14.4	11.4	17.2





#11

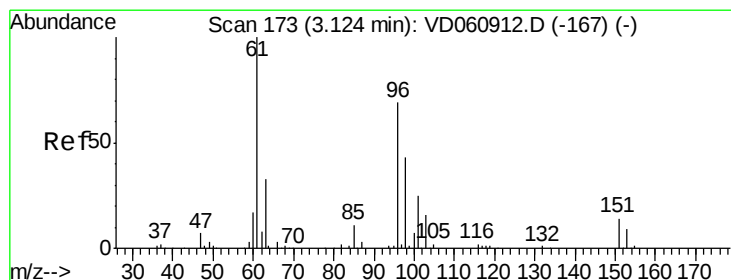
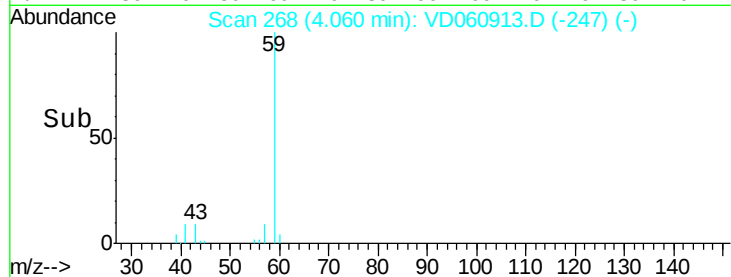
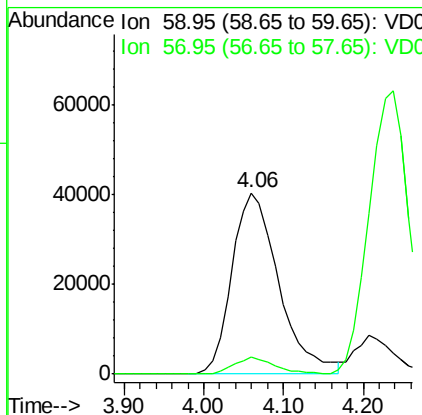
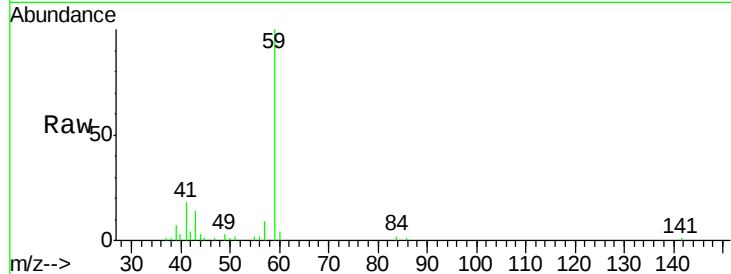
Tert butyl alcohol
Concen: 399.238 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 164227
Ion Ratio Lower Upper
59 100
57 9.5 5.8 8.8#

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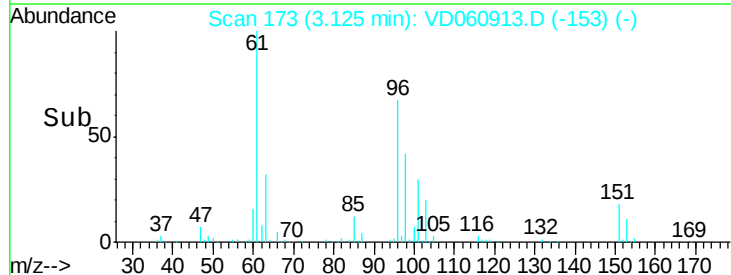
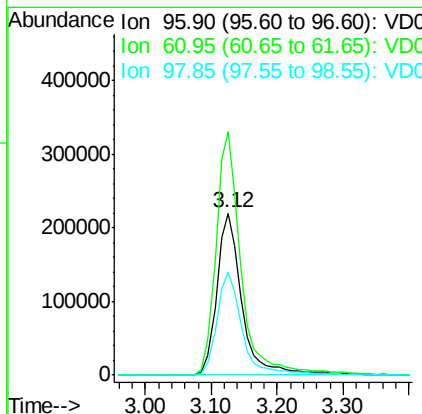
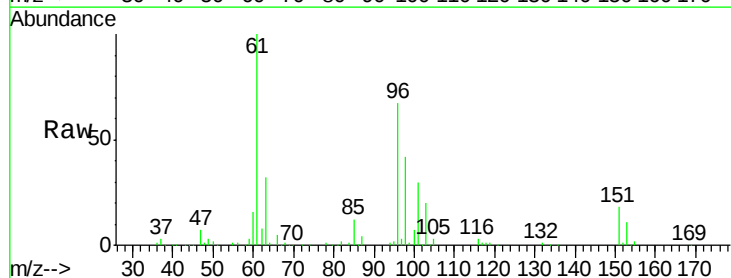
MMDadoda
3/6/2019 5:33:08 AM

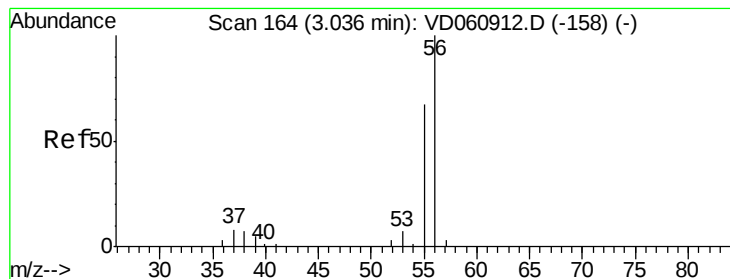


#12

1,1-Dichloroethene
Concen: 171.908 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion: 96 Resp: 581320
Ion Ratio Lower Upper
96 100
61 150.2 112.4 168.6
98 63.5 51.0 76.6





#13

Acrolein

Concen: 891.030 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 203214

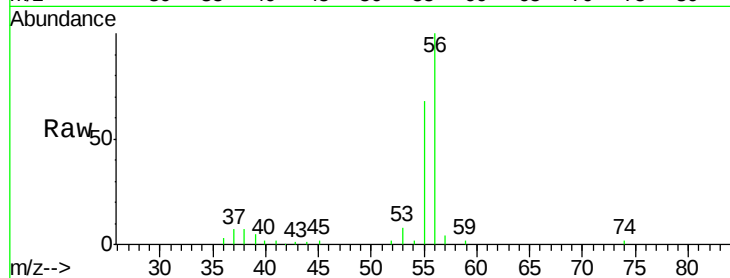
Ion Ratio Lower Upper

56 100

55 67.7 56.8 85.2

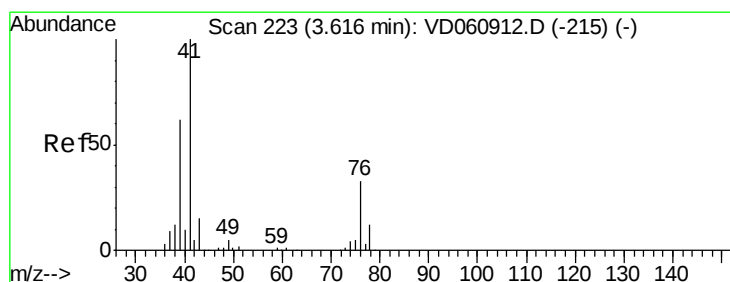
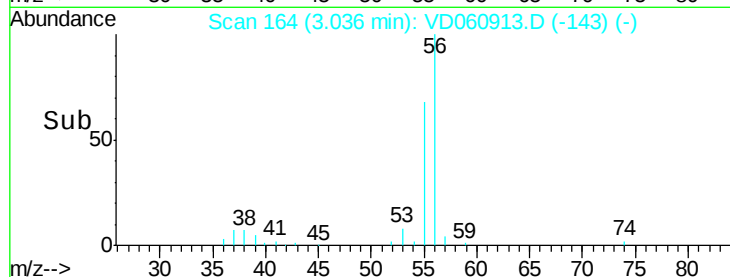
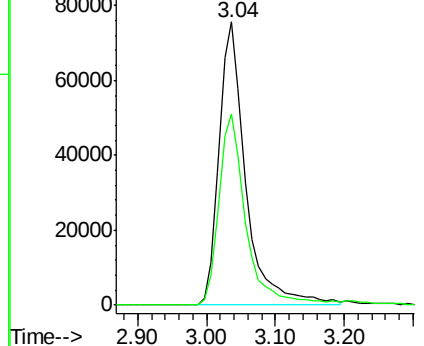
Manual Integrations
APPROVED

MMDadoda
3/6/2019 5:33:08 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 89.934 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

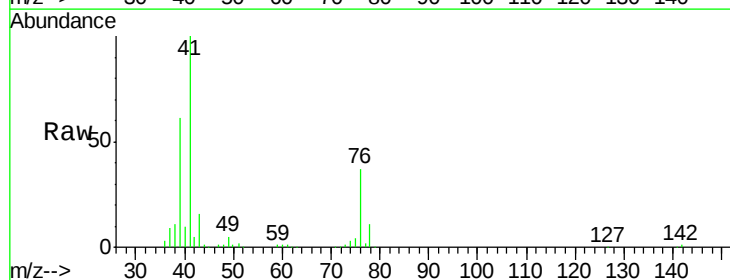
Tgt Ion: 41 Resp: 992880

Ion Ratio Lower Upper

41 100

39 61.0 55.7 83.5

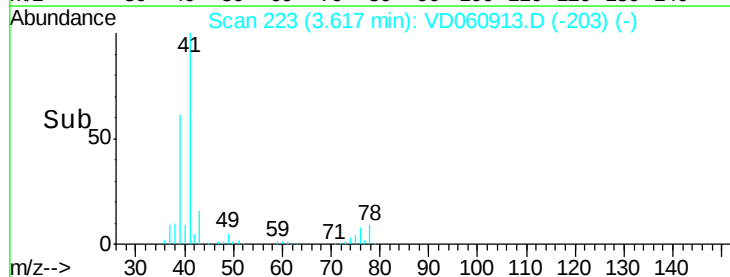
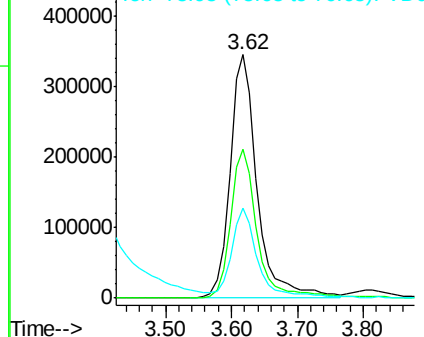
76 36.9 31.3 46.9

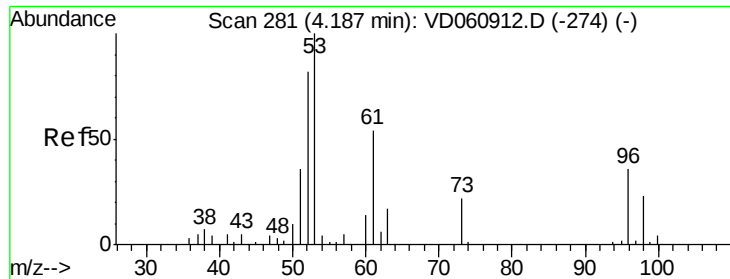


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 460.116 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

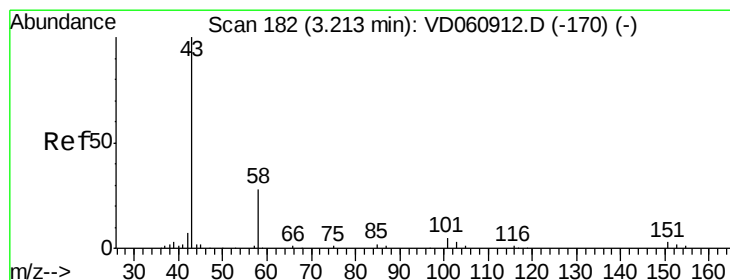
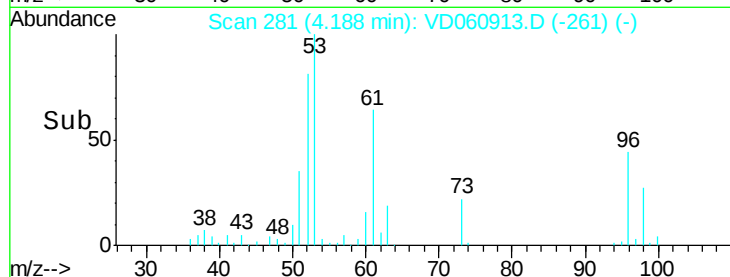
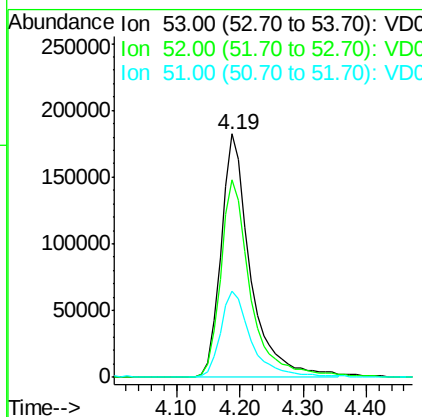
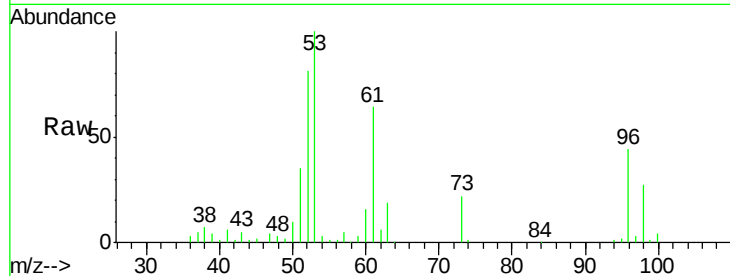
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	591005
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.2	99.2
51	35.4	31.0	46.6

Manual Integrations
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#16

Acetone

Concen: 398.715 ug/l

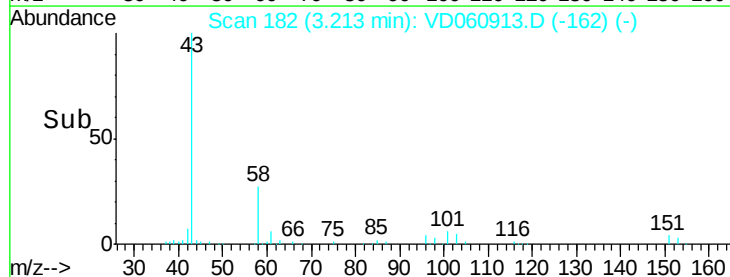
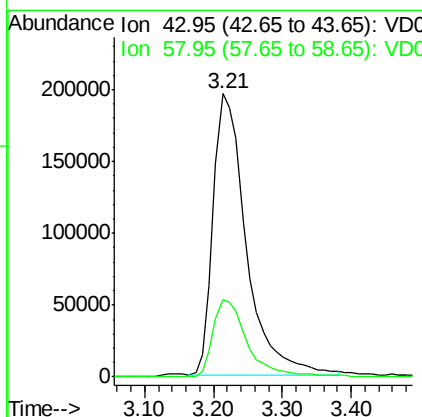
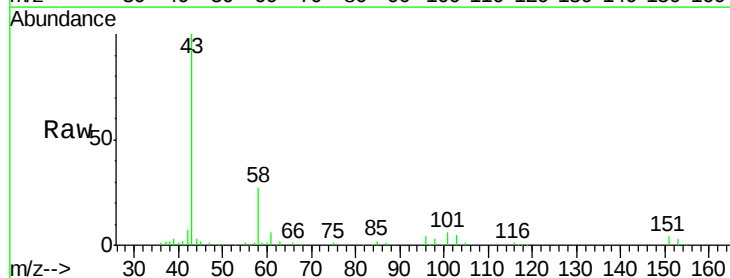
RT: 3.21 min Scan# 182

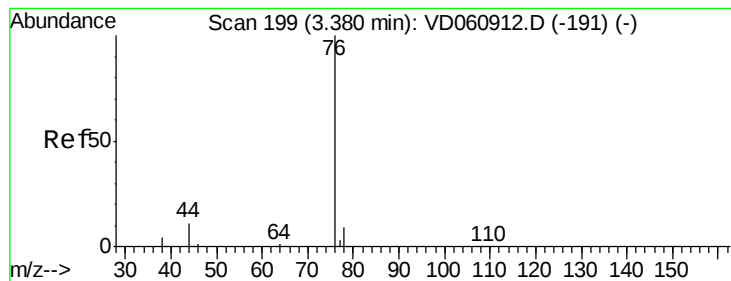
Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tgt Ion:	43	Resp:	655305
Ion Ratio	Lower	Upper	
43	100		
58	27.1	18.4	27.6





#17

Carbon Disulfide

Concen: 84.281 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 2105768

Ion Ratio Lower Upper

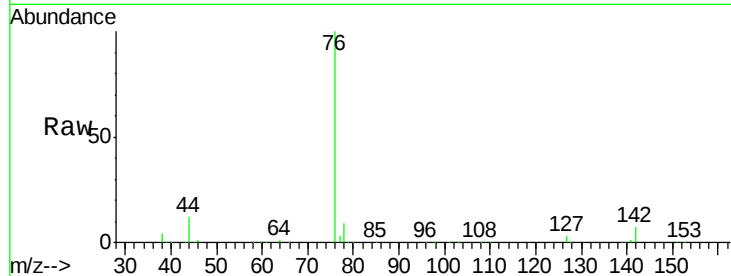
76 100

78 9.3 7.3 10.9

Manual Integrations
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

800000

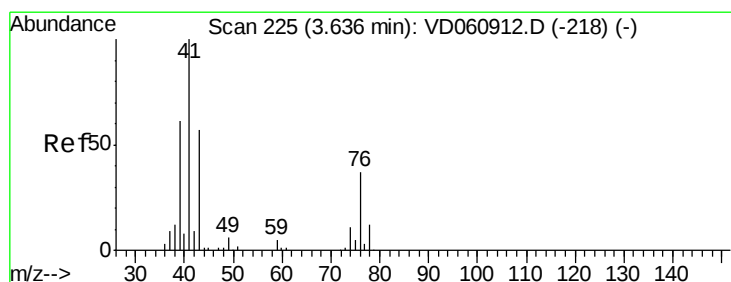
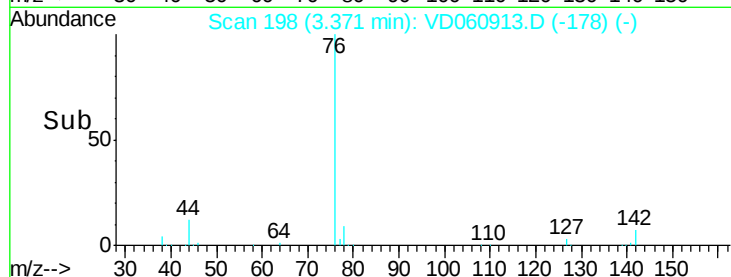
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 88.560 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD060913.D

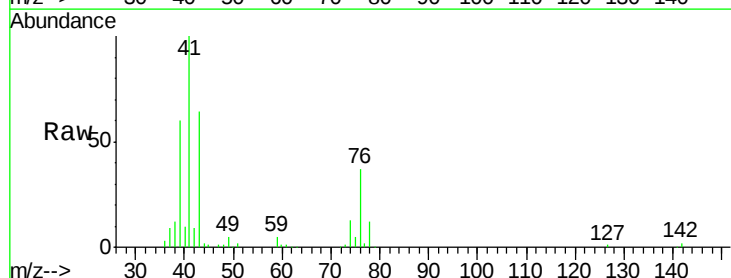
Acq: 1 Mar 2019 17:03

Tgt Ion: 43 Resp: 301990

Ion Ratio Lower Upper

43 100

74 20.6 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

120000

100000

80000

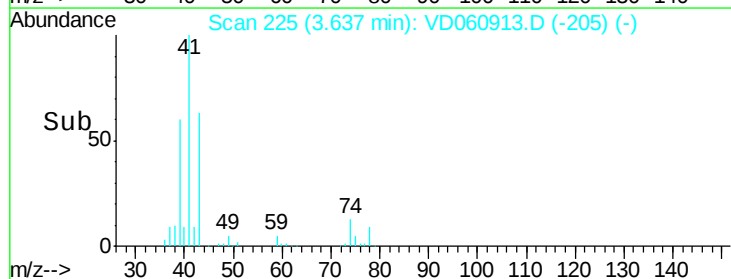
60000

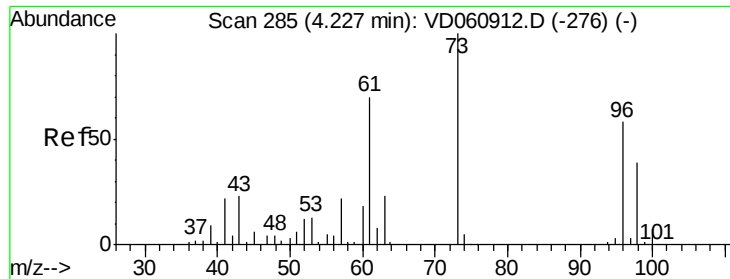
40000

20000

0

Time-->





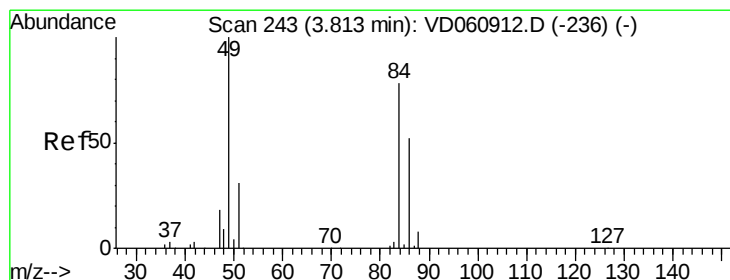
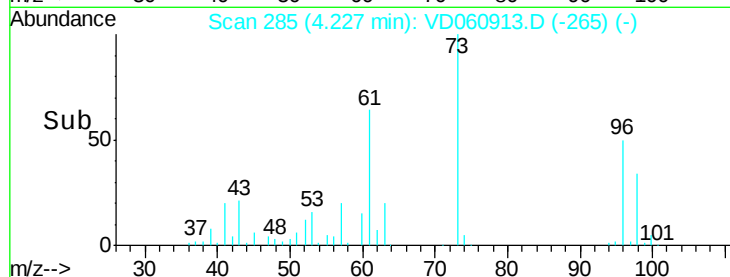
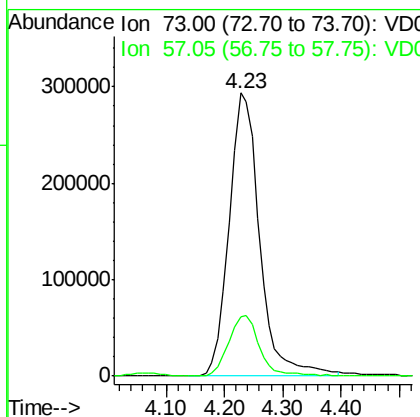
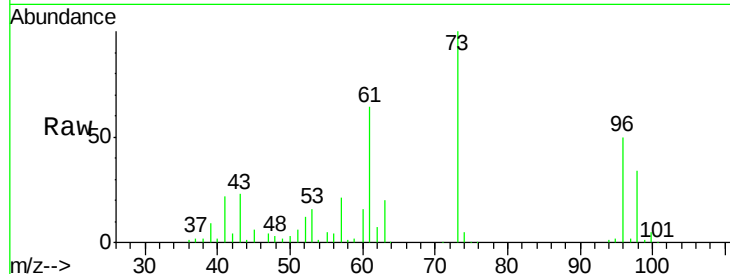
#19
Methvl tert-butvl Ether
Concen: 75.710 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 1073239
Ion Ratio Lower Upper
73 100
57 20.9 14.4 21.6

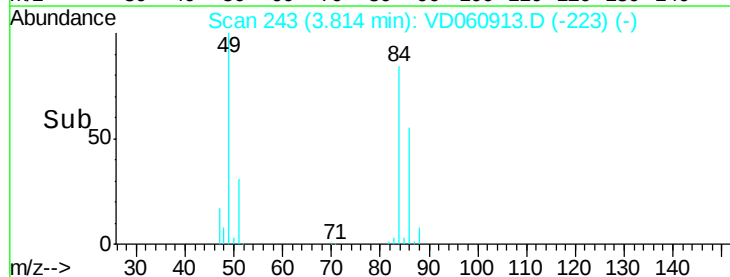
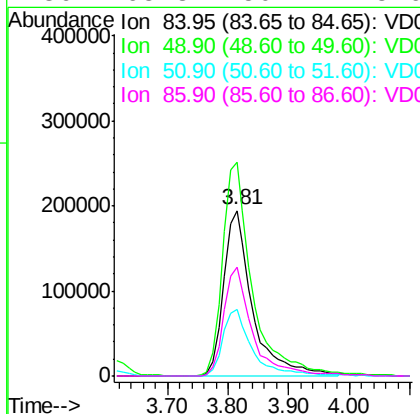
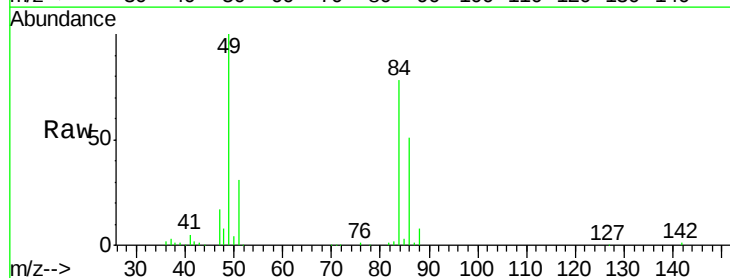
Manual Integrations
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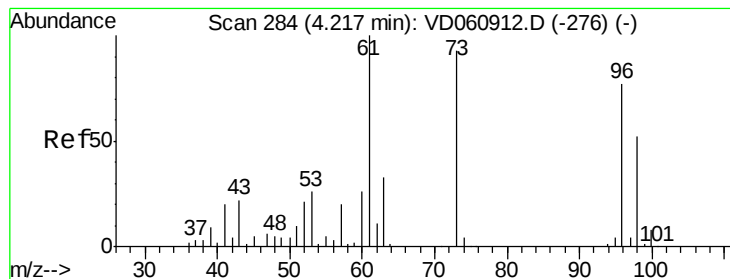
MMDadoda
3/6/2019 5:33:08 AM



#20
Methylene Chloride
Concen: 69.683 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion: 84 Resp: 643400
Ion Ratio Lower Upper
84 100
49 128.9 84.7 127.1#
51 40.0 26.4 39.6#
86 65.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 84.066 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 629976

Ion Ratio Lower Upper

96 100

61 126.9 100.1 150.1

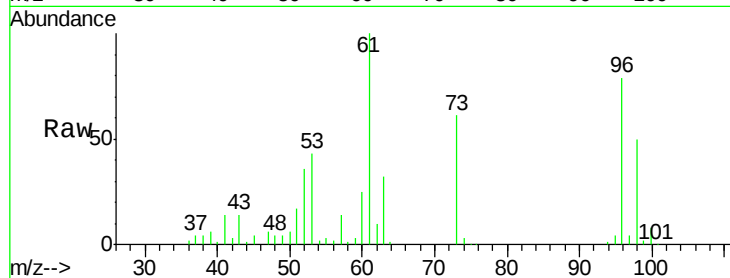
98 63.0 49.9 74.9

Manual Integrations

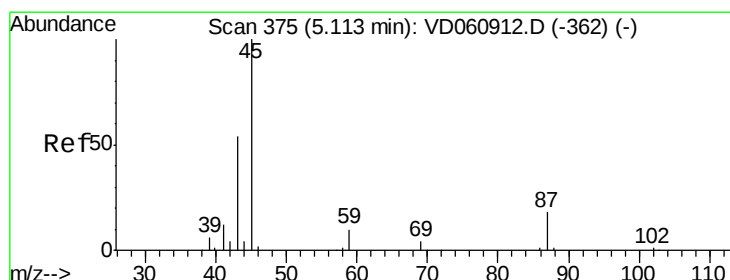
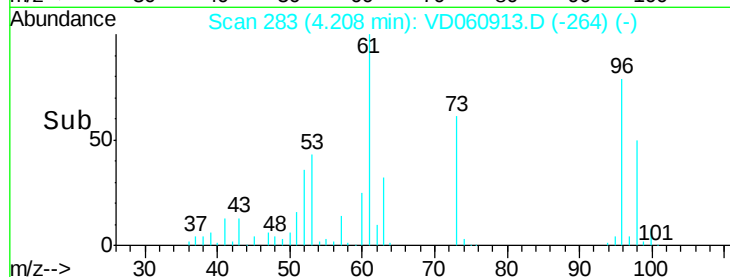
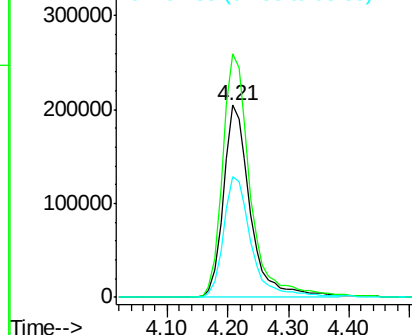
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 90.503 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tgt Ion: 45 Resp: 1959944

Ion Ratio Lower Upper

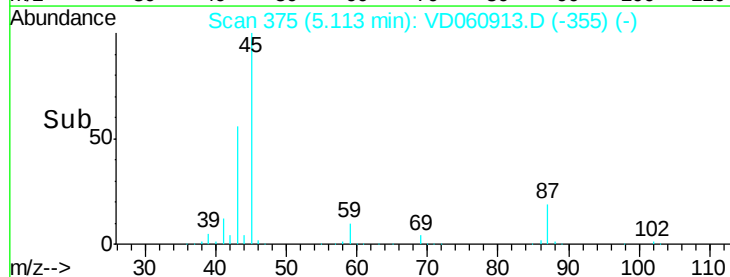
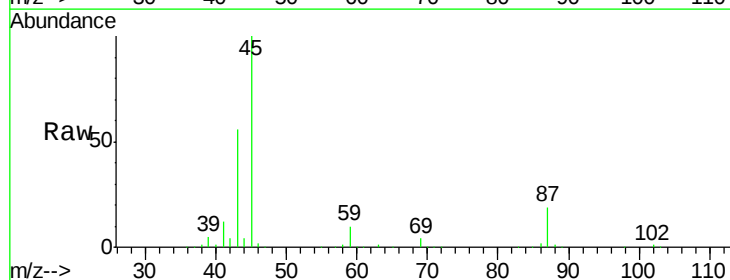
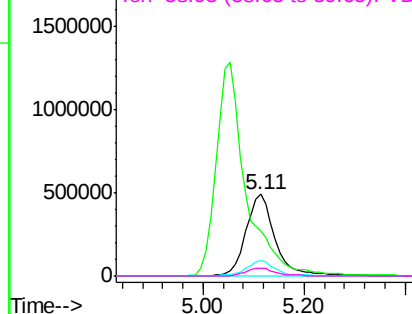
45 100

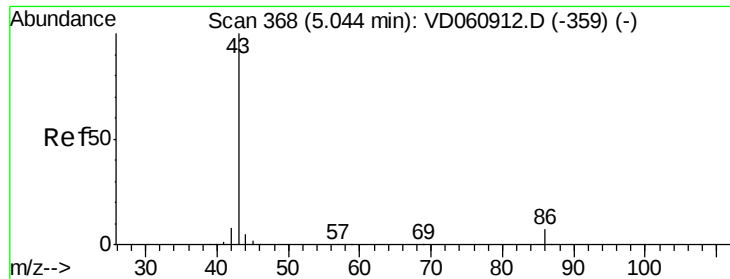
43 55.6 49.6 74.4

87 19.0 17.0 25.4

59 9.9 7.9 11.9

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 426.164 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tot Ion: 43 Resp: 5222613

Ion Ratio Lower Upper

43 100

86 7.8 6.5 9.7

Instrument :

MSVOA_D

ClientSampleId :

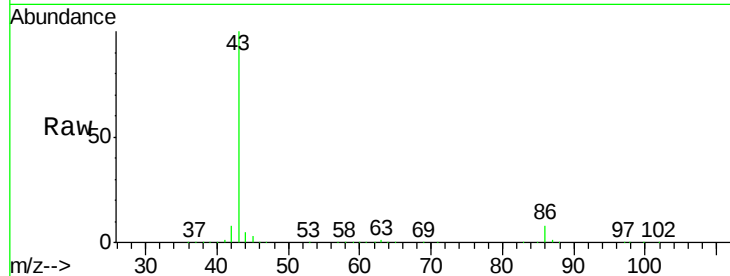
VSTDIC075

Manual Integrations

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3/6/2019 5:33:08 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1500000

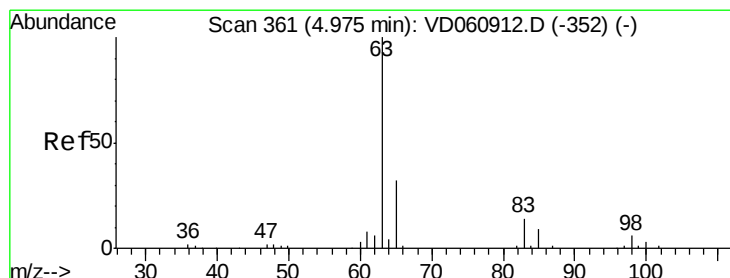
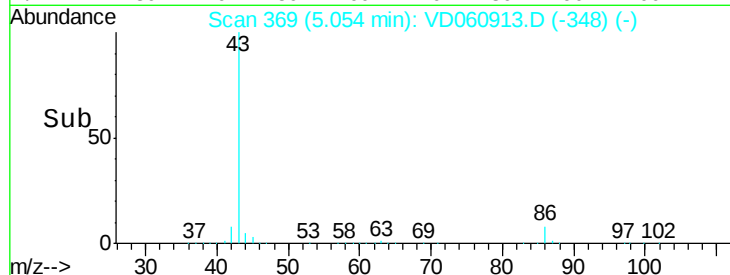
1000000

500000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 94.005 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

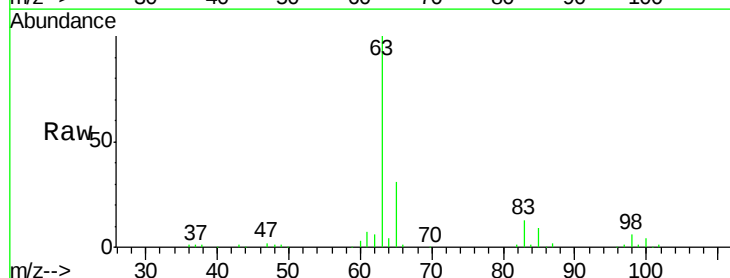
Tgt Ion: 63 Resp: 1112128

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.7 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

400000

300000

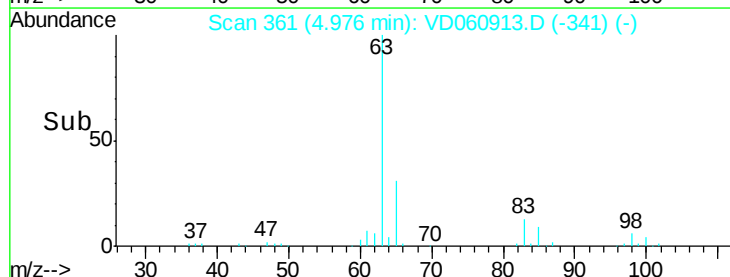
200000

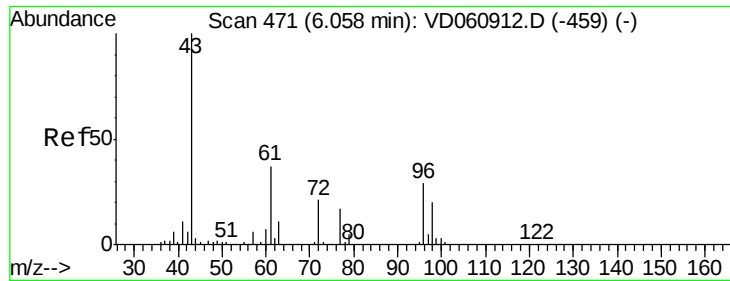
100000

0

Time-->

4.80 4.90 5.00 5.10 5.20





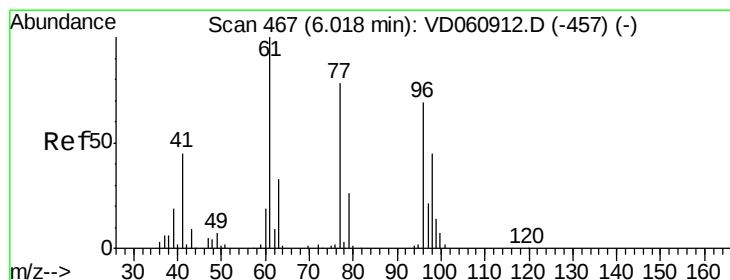
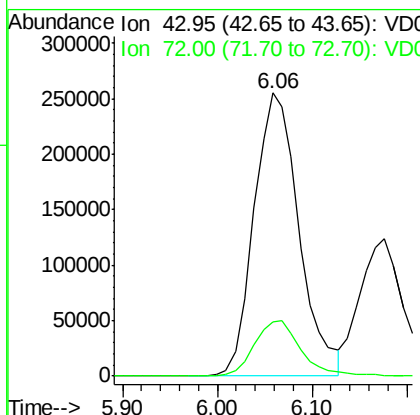
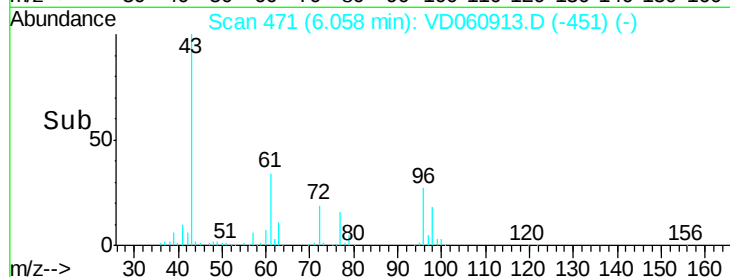
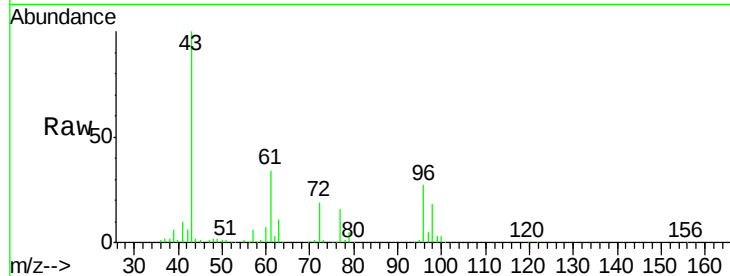
#25
2-Butanone
Concen: 388.618 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 842993
Ion Ratio Lower Upper
43 100
72 19.0 16.8 25.2

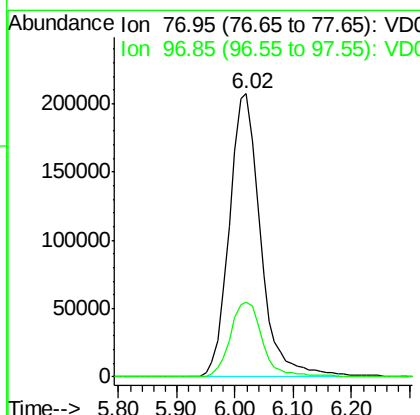
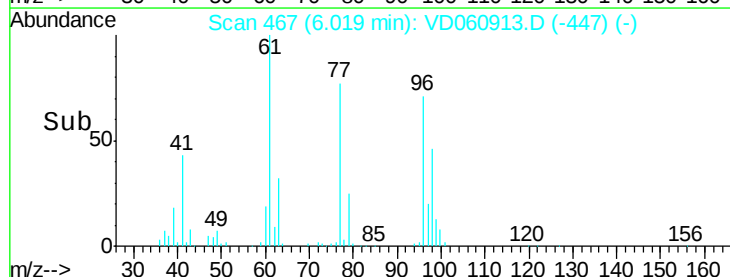
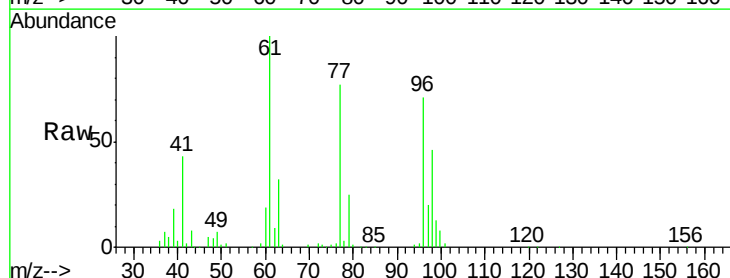
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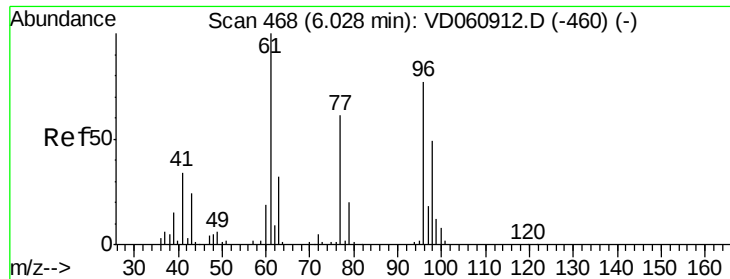
MMDadoda
3/6/2019 5:33:08 AM



#26
2,2-Dichloropropane
Concen: 68.860 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion: 77 Resp: 773347
Ion Ratio Lower Upper
77 100
97 26.4 11.7 35.1





#27

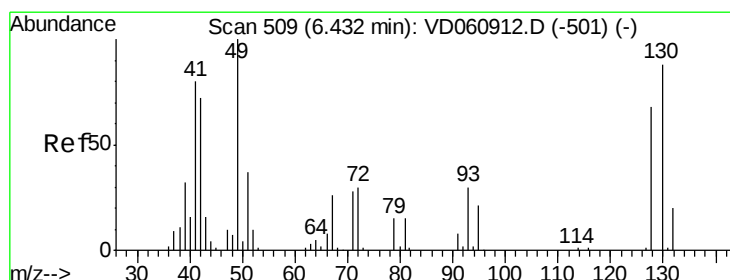
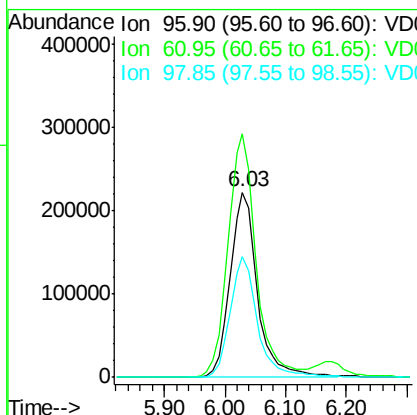
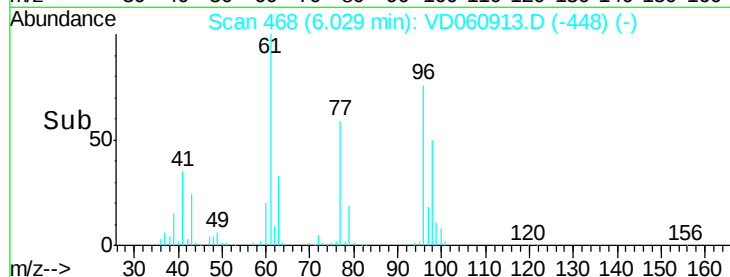
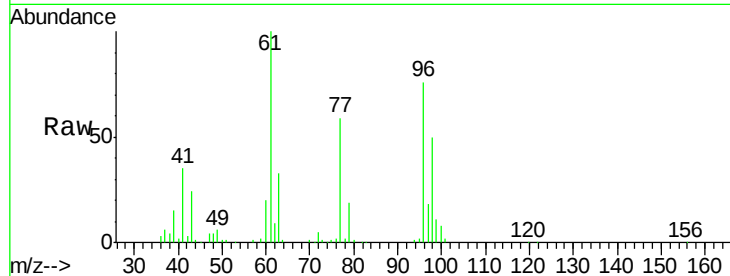
cis-1,2-Dichloroethene
Concen: 84.740 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	697335		
61	131.4	0.0	259.0	
98	65.1	0.0	132.4	

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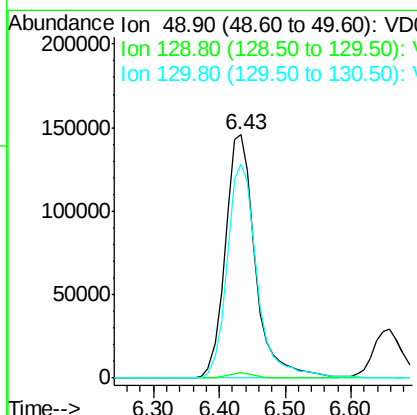
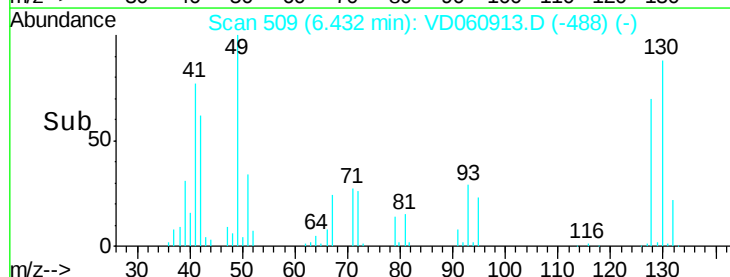
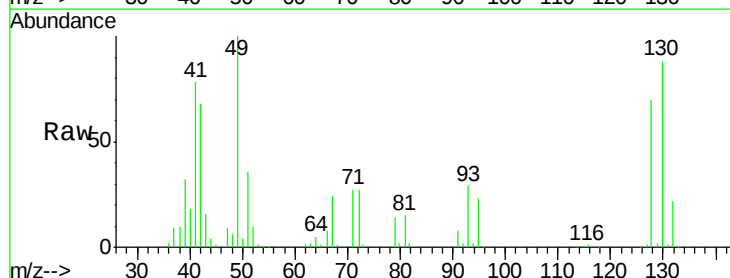
MMDadoda
3/6/2019 5:33:08 AM

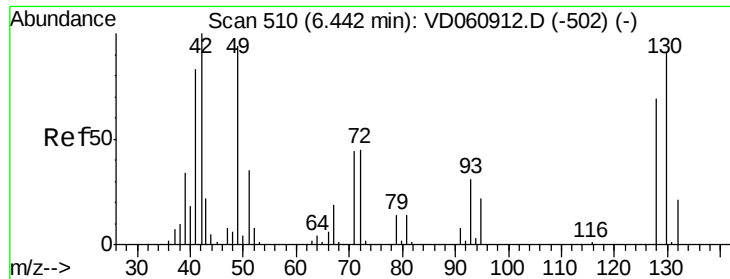


#28

Bromochloromethane
Concen: 100.087 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	465800		
129	2.3	0.0	3.8	
130	88.2	69.8	104.8	





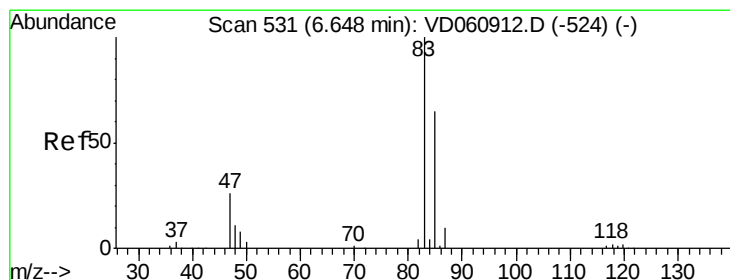
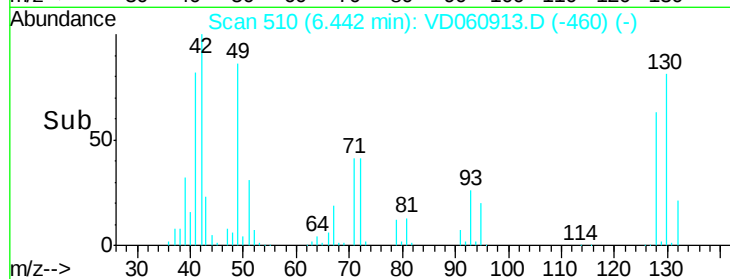
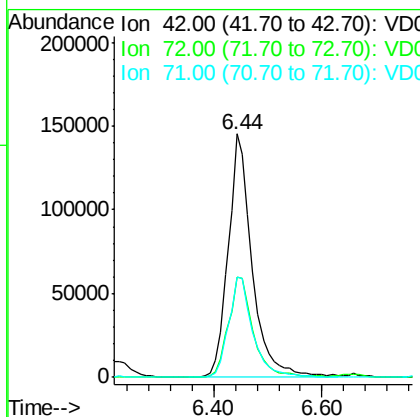
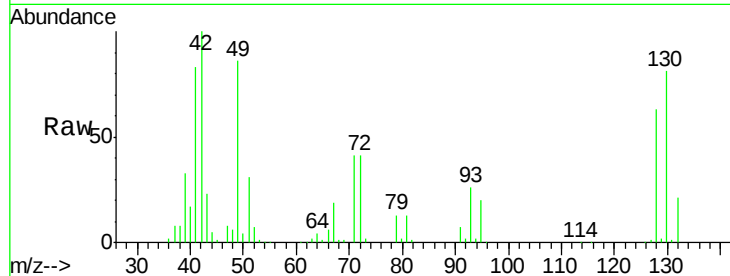
#29
Tetrahydrofuran
Concen: 415.235 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	36.2	54.2
71	41.7	35.4	53.0

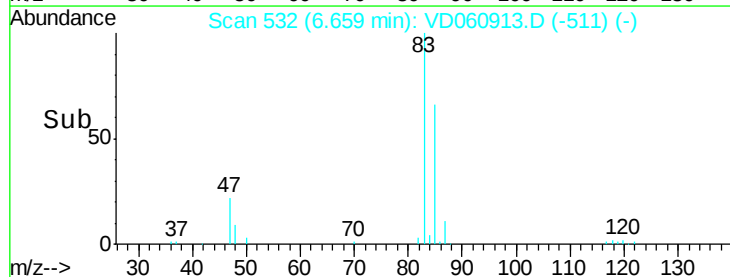
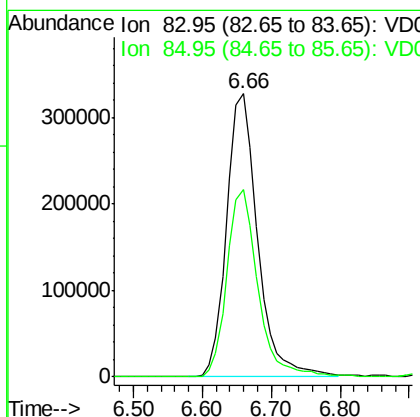
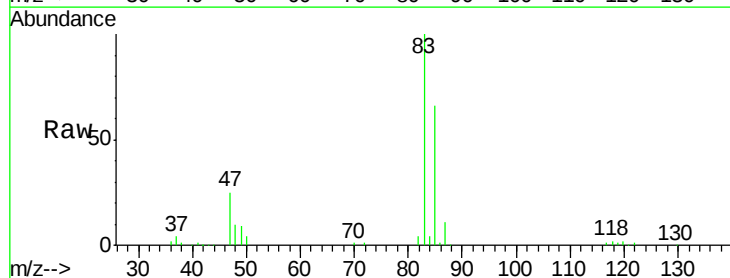
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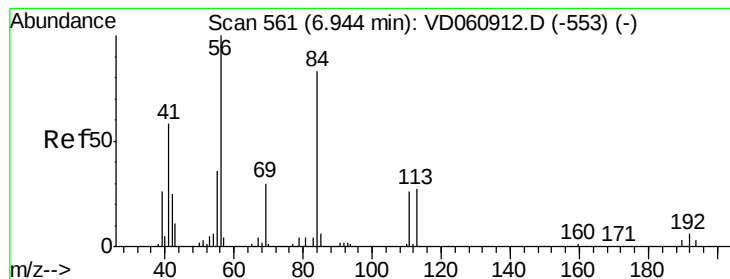
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#30
Chloroform
Concen: 73.145 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.5	77.3





#31

Cyclohexane

Concen: 87.652 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

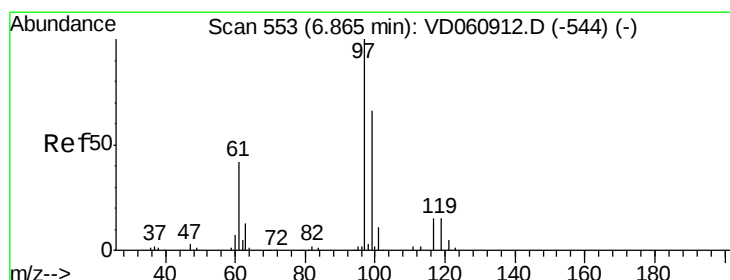
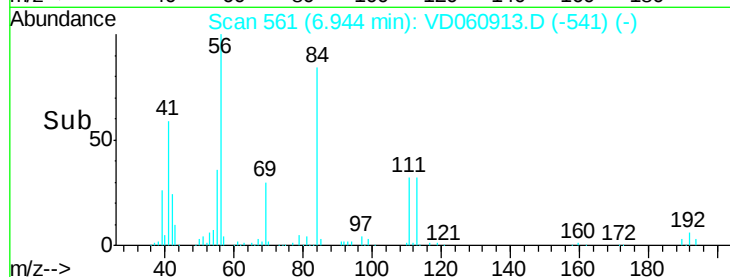
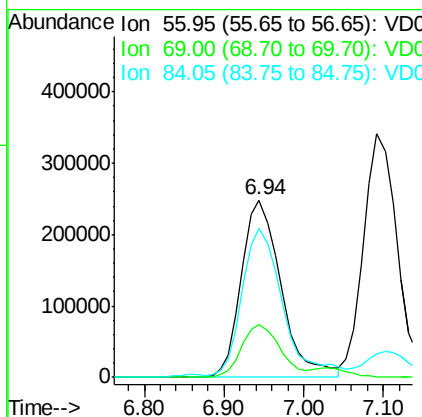
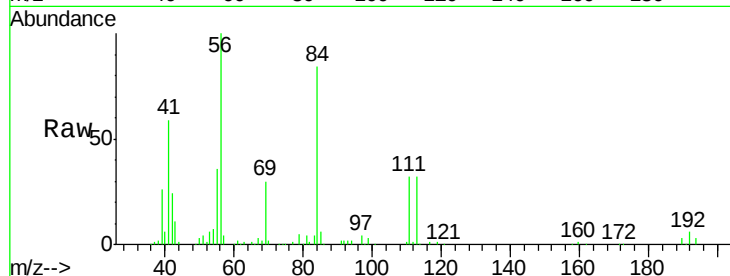
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	860076
Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.3	37.9
84	84.0	78.1	117.1

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#32

1,1,1-Trichloroethane

Concen: 78.515 ug/l

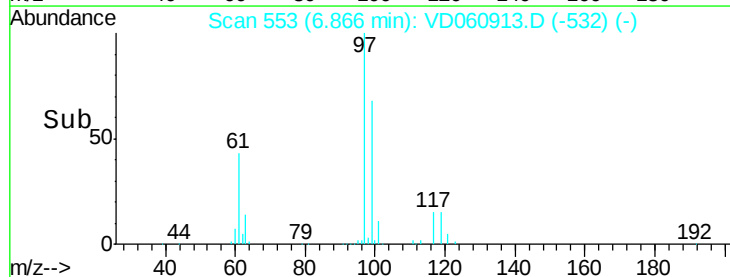
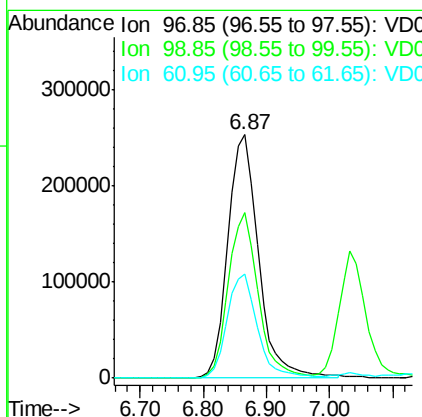
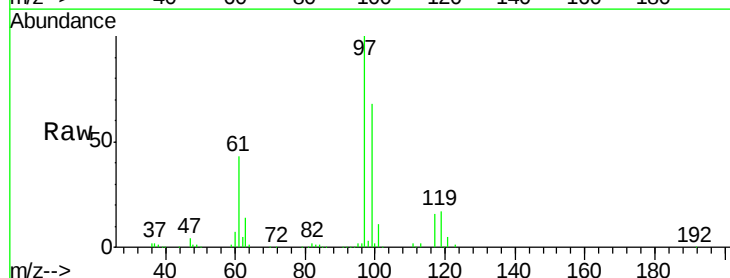
RT: 6.87 min Scan# 553

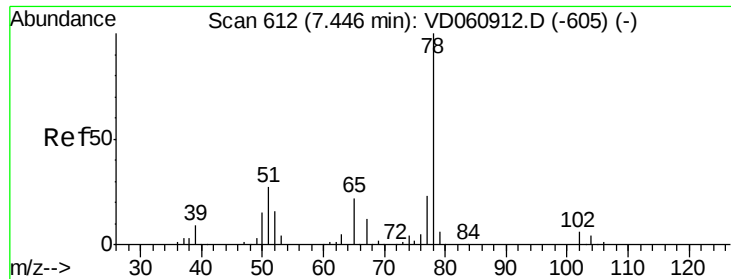
Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tgt Ion:	97	Resp:	855433
Ion	Ratio	Lower	Upper
97	100		
99	68.1	51.0	76.4
61	42.8	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 78.515 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tot Ion: 65 Resp: 430977

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.0

Instrument :

MSVOA_D

ClientSampleId :

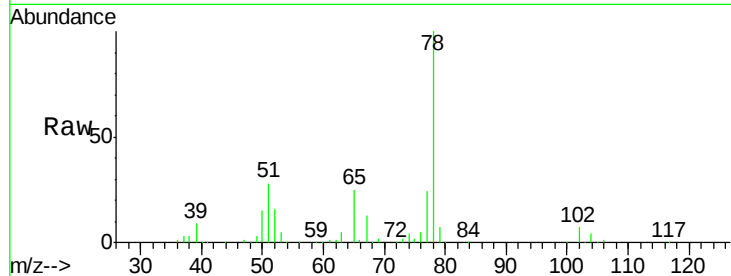
VSTDIC075

Manual Integrations

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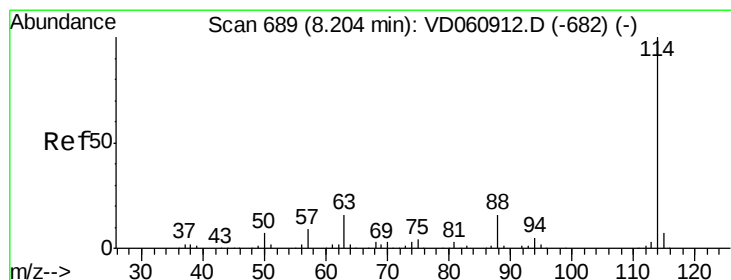
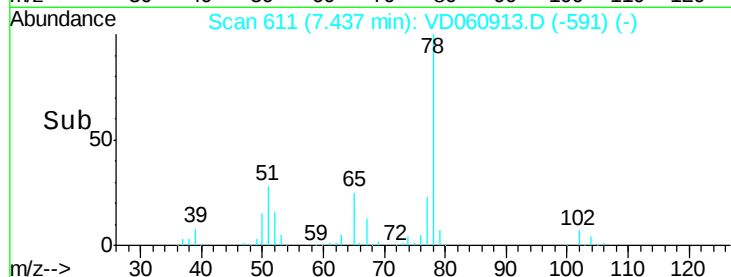
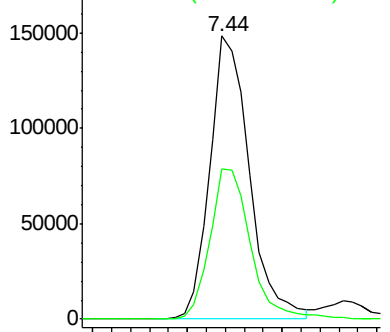
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

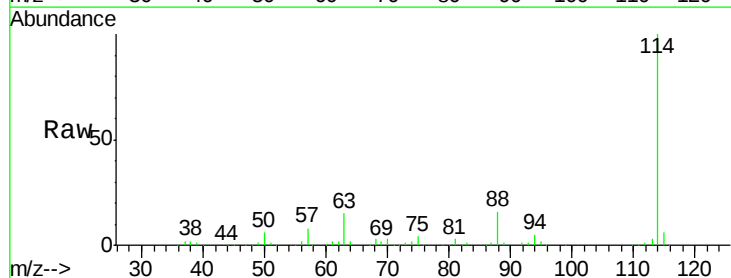
Tgt Ion: 114 Resp: 1273815

Ion Ratio Lower Upper

114 100

63 15.2 0.0 34.8

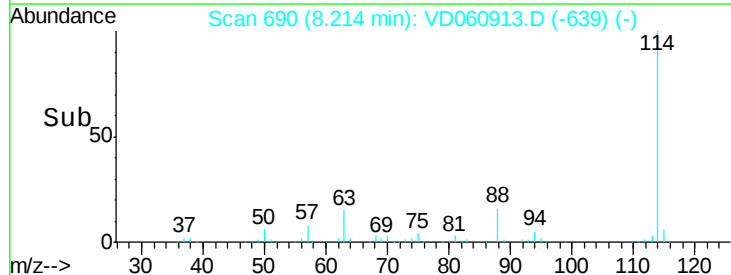
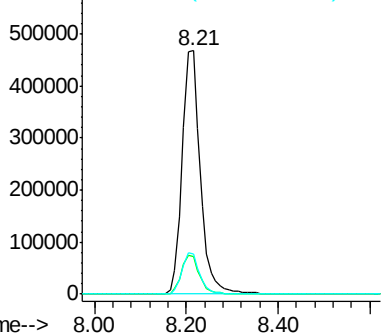
88 16.3 0.0 39.0

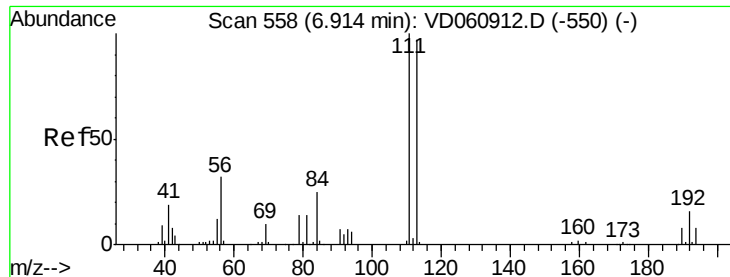


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

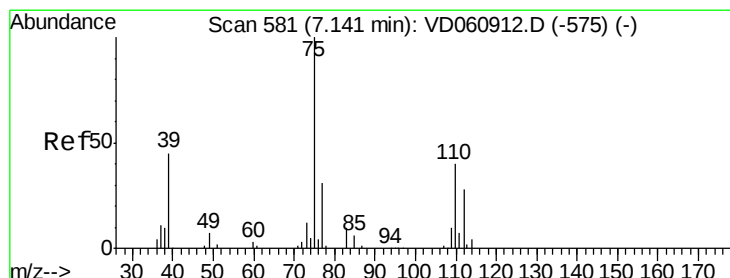
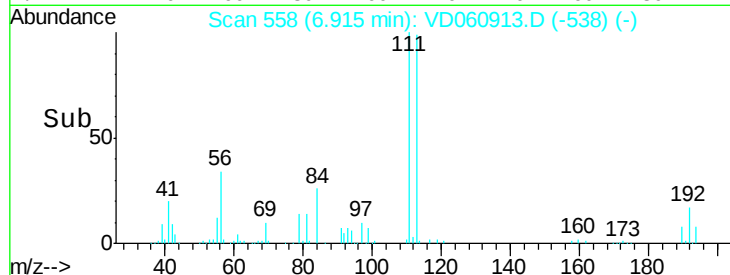
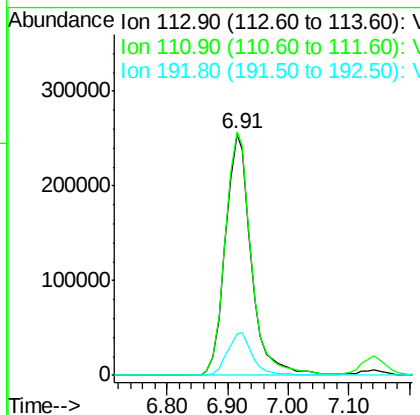
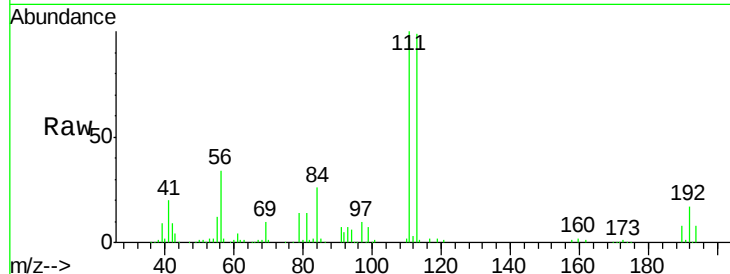
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	756150
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.9	122.9
192	17.2	16.9	25.3

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#36

1,1-Dichloropropene

Concen: 57.400 ug/l

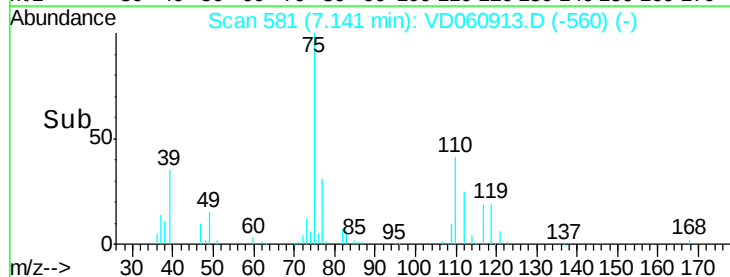
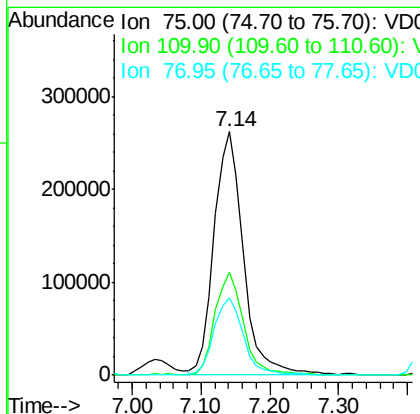
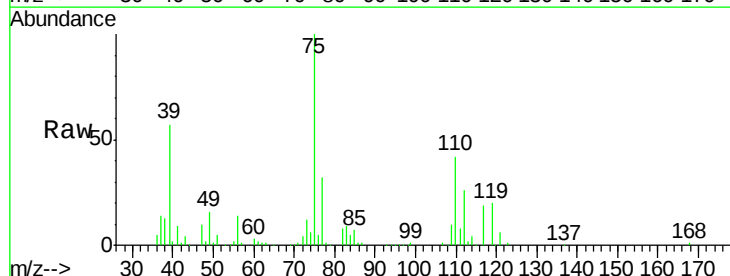
RT: 7.14 min Scan# 581

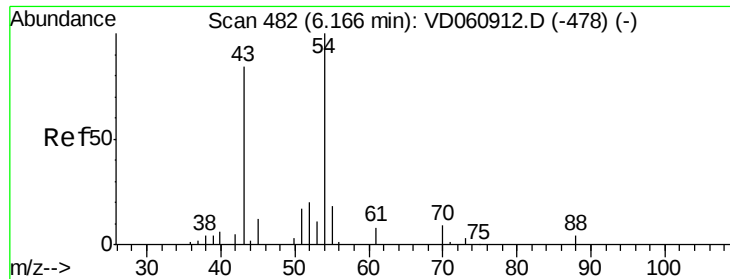
Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tgt Ion:	75	Resp:	764974
Ion	Ratio	Lower	Upper
75	100		
110	42.3	16.8	50.3
77	31.5	25.8	38.8





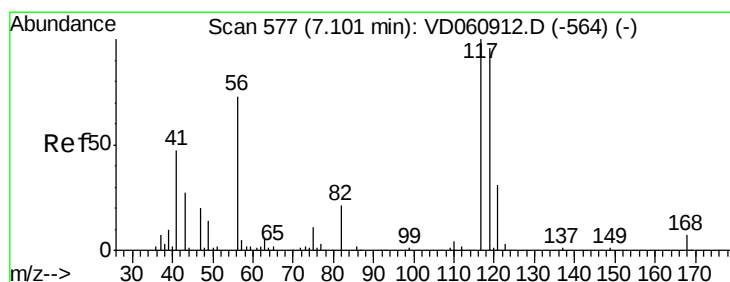
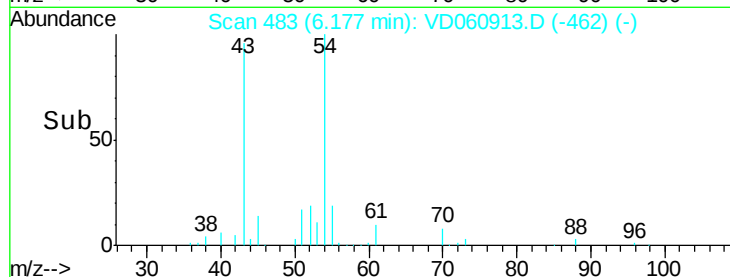
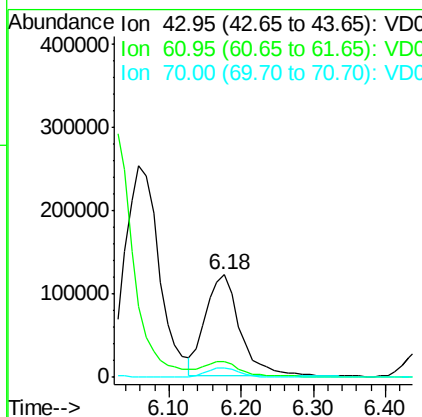
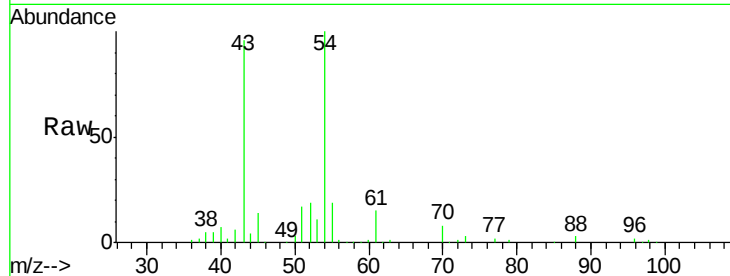
#37
Ethyl Acetate
Concen: 64.794 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.5	18.7
70	8.6	7.9	11.9

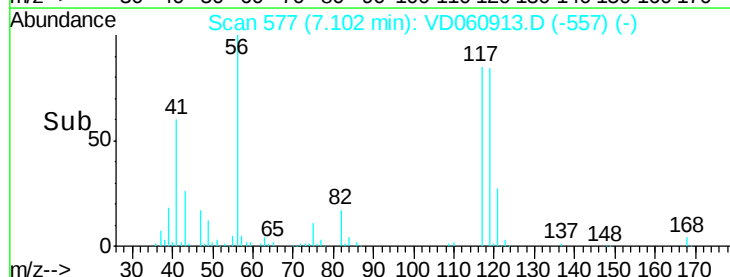
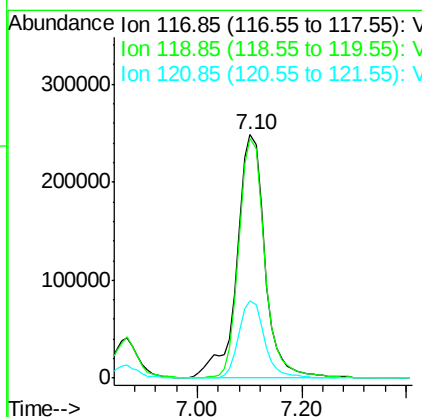
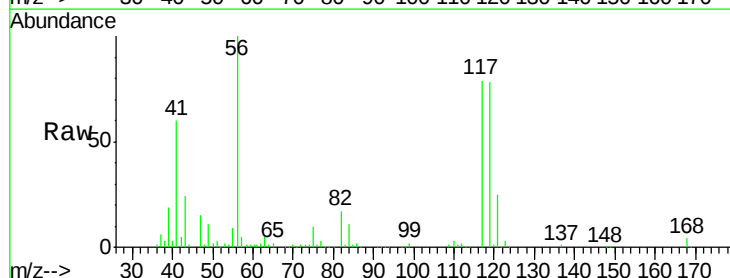
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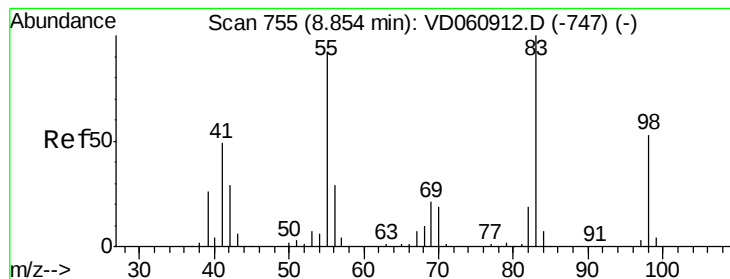
MMDadoda
3/6/2019 5:33:08 AM



#38
Carbon Tetrachloride
Concen: 72.239 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	77.2	115.8
121	31.5	25.0	37.4





#39

Methvlcvclohexane

Concen: 63.595 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 900945

Ion Ratio Lower Upper

83 100

55 89.2 58.8 88.2#

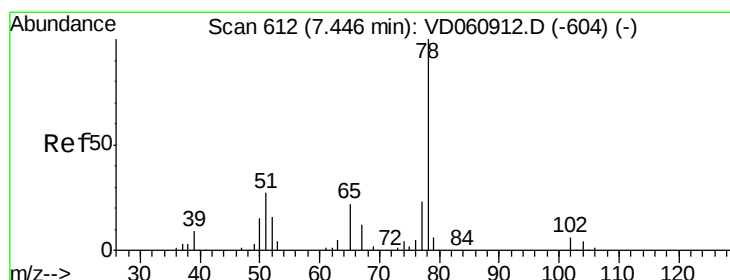
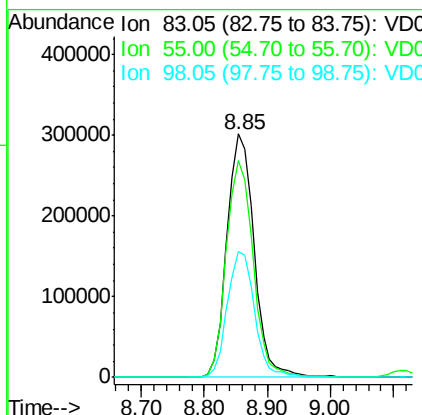
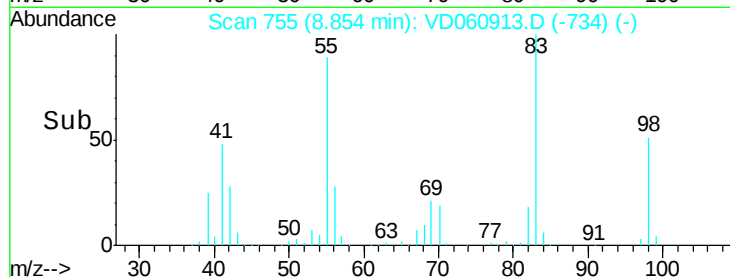
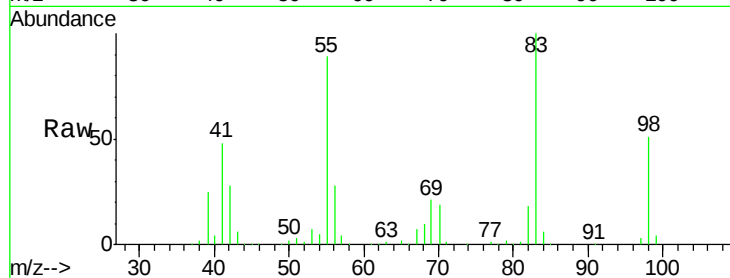
98 51.5 36.8 55.2

Manual Integrations

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#40

Benzene

Concen: 57.872 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060913.D

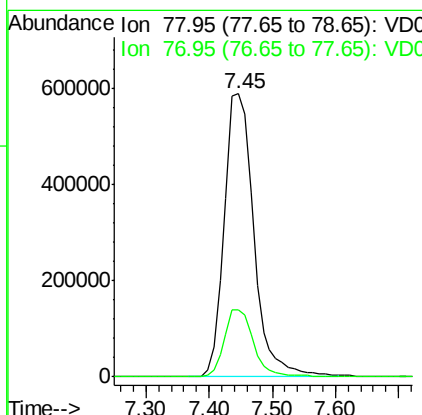
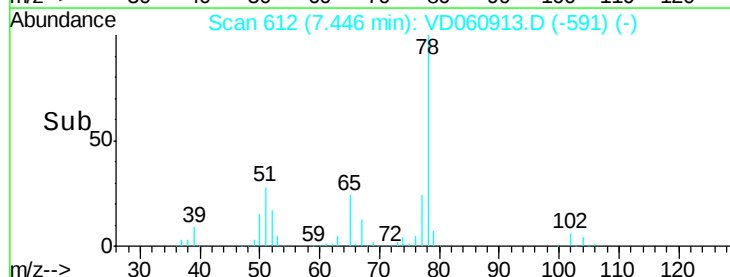
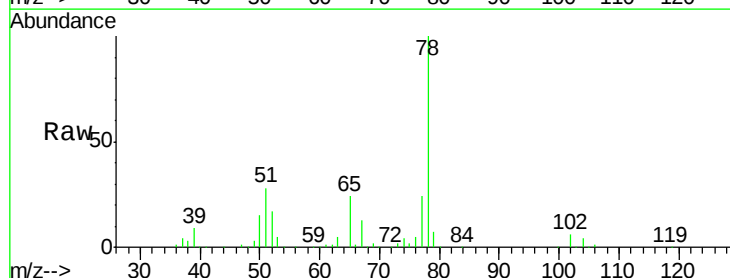
Acq: 1 Mar 2019 17:03

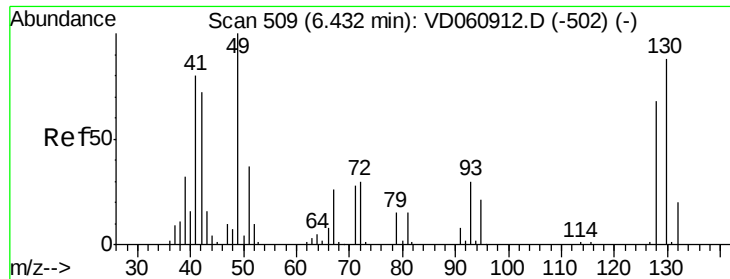
Tgt Ion: 78 Resp: 1916742

Ion Ratio Lower Upper

78 100

77 23.8 18.9 28.3





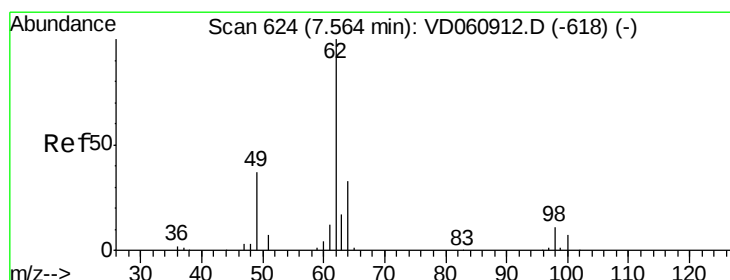
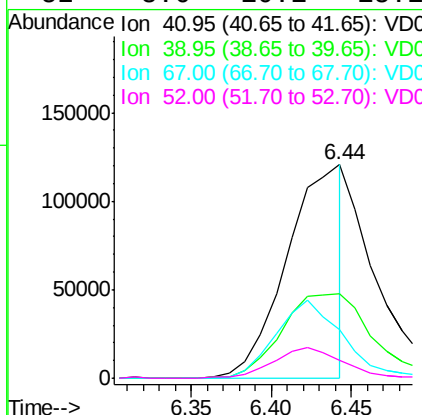
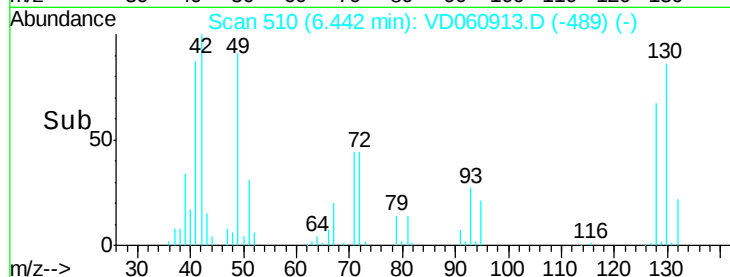
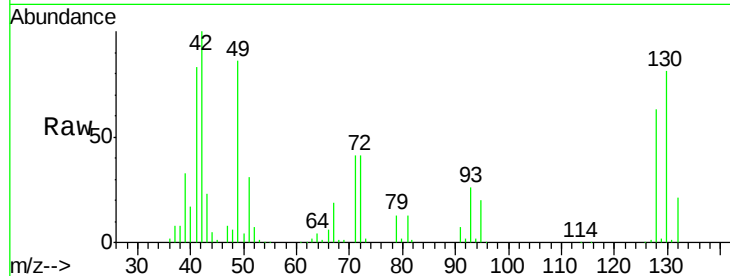
#41
Methacrylonitrile
Concen: 88.552 ug/l m
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
41	100		
39	39.7	36.9	55.3
67	23.1	24.9	37.3#
52	8.6	10.1	15.1#

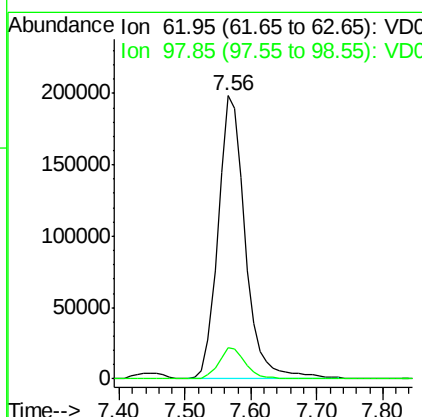
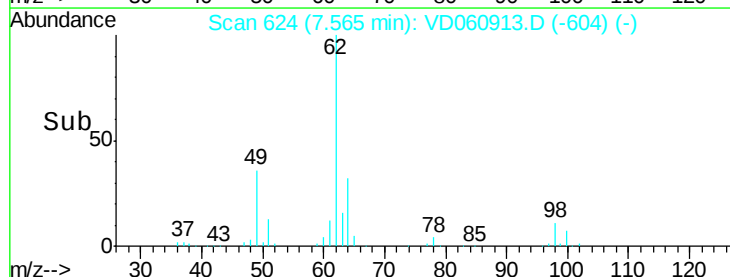
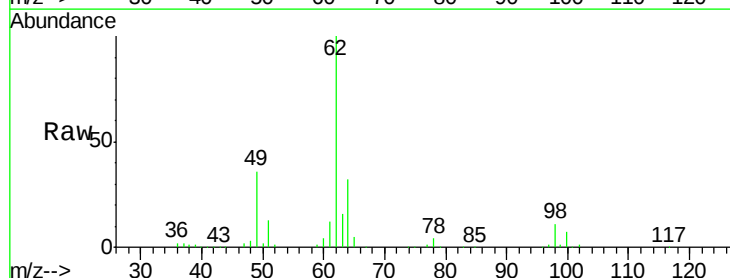
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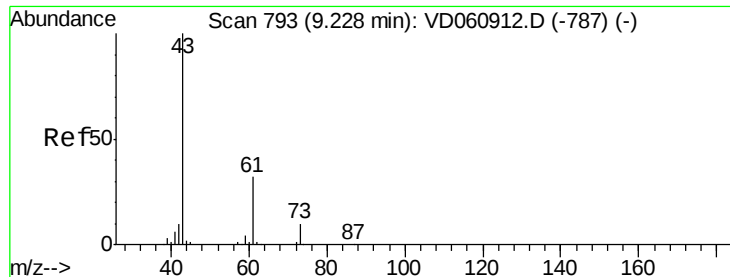
MMDadoda
3/6/2019 5:33:08 AM



#42
1,2-Dichloroethane
Concen: 63.589 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.6





#43

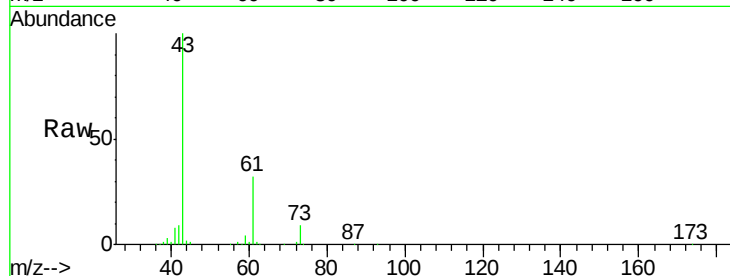
Isopropyl Acetate
 Concen: 68.843 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

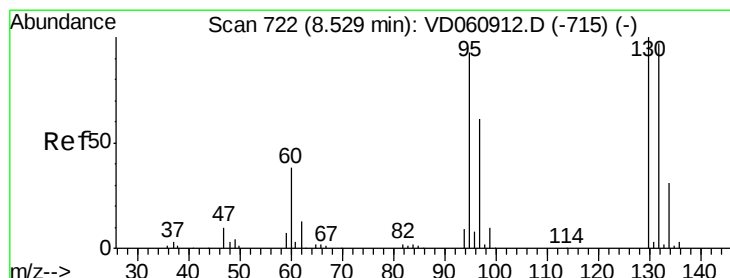
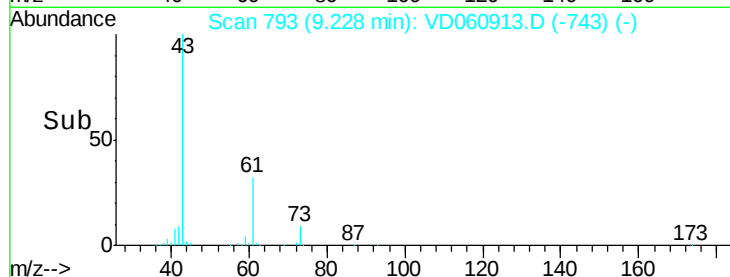
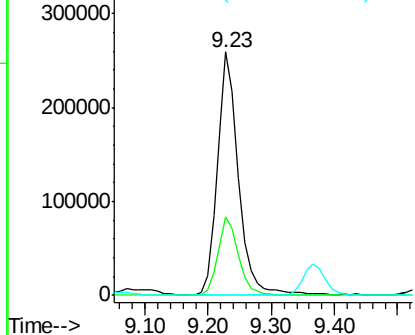
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.4	38.2
87	0.3	0.3	0.5

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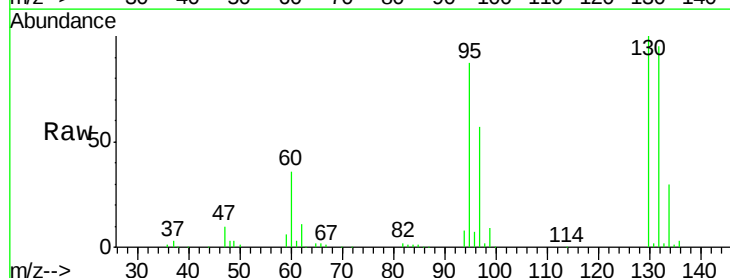
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



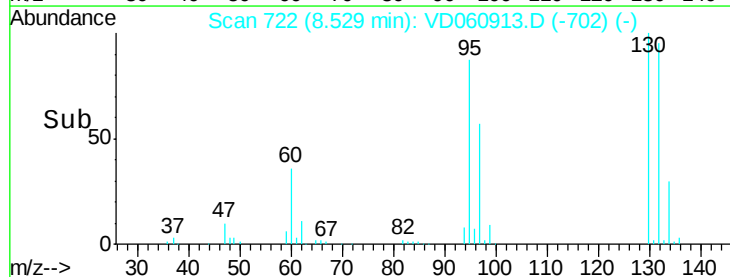
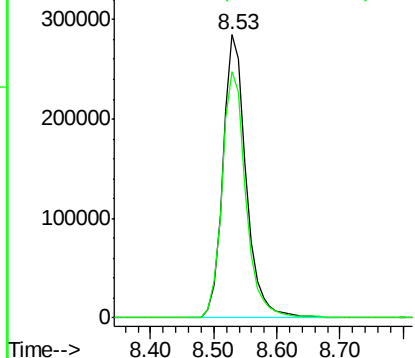
#44

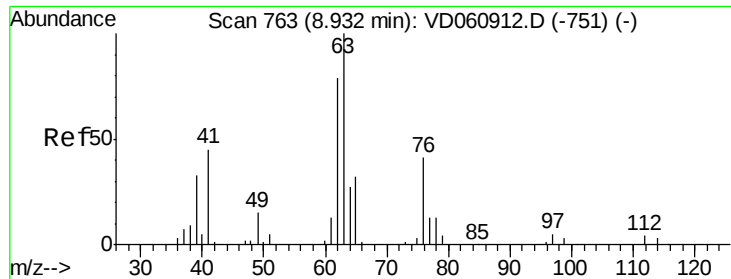
Trichloroethene
 Concen: 67.063 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	179.6



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





#45

1,2-Dichloropropane

Concen: 72.800 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 563233

Ion Ratio Lower Upper

63 100

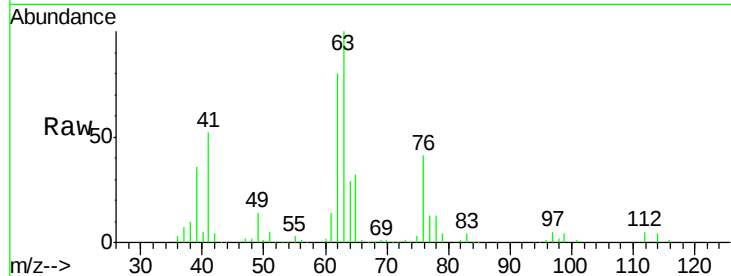
65 32.0 24.6 36.8

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

250000

200000

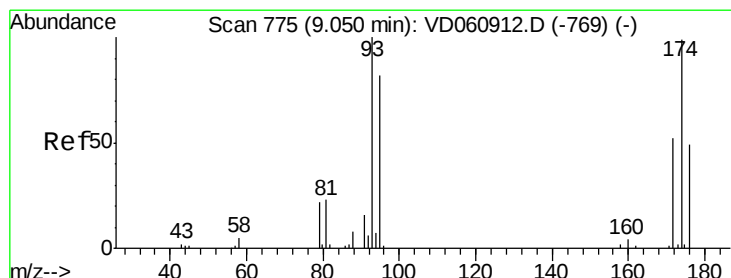
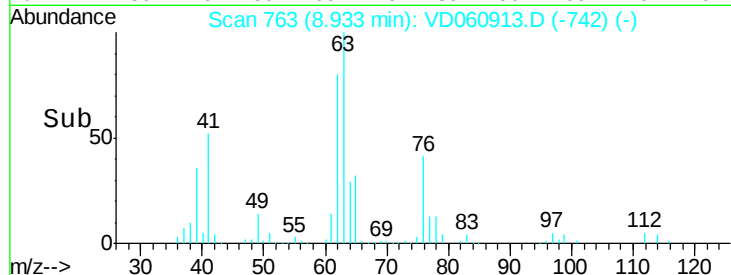
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 63.426 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

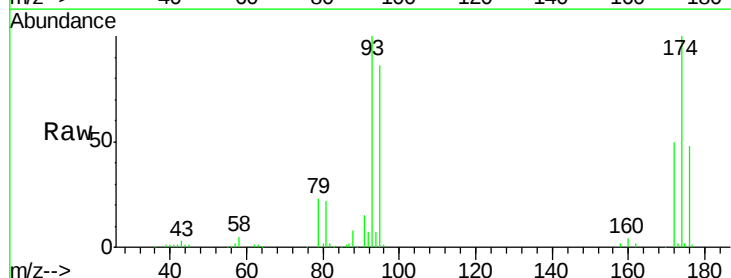
Tgt Ion: 93 Resp: 352580

Ion Ratio Lower Upper

93 100

95 86.4 64.0 96.0

174 99.6 93.1 139.7



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

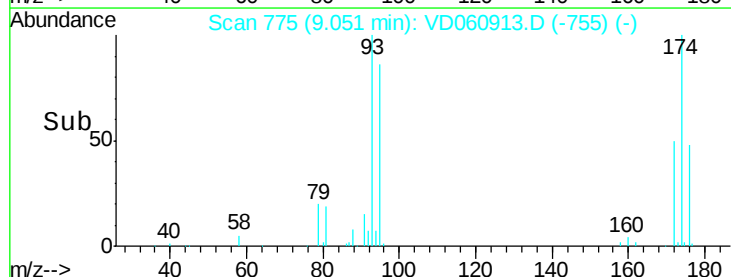
150000

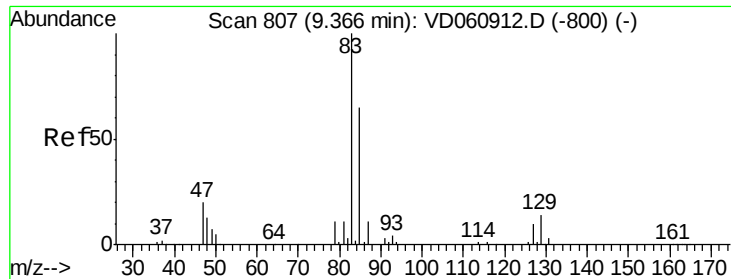
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 60.759 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

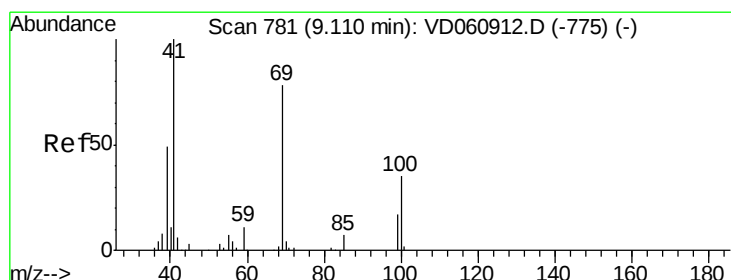
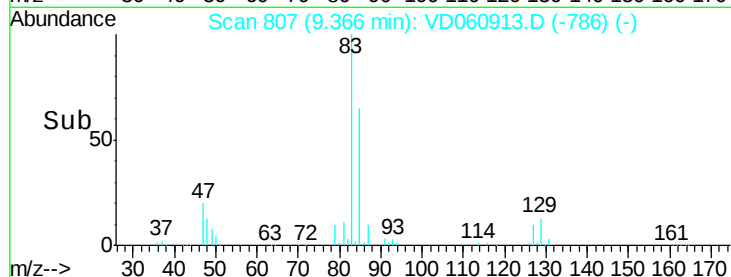
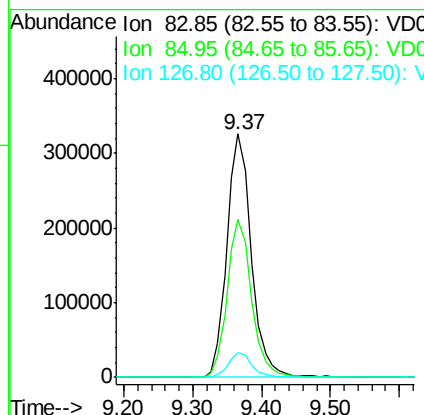
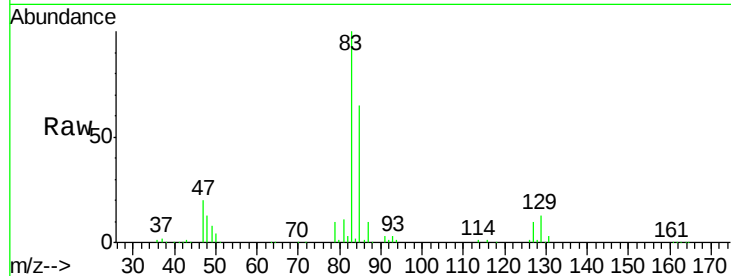
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	801036
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.8	76.2
127	10.2	7.3	10.9

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#48

Methyl methacrylate

Concen: 62.358 ug/l

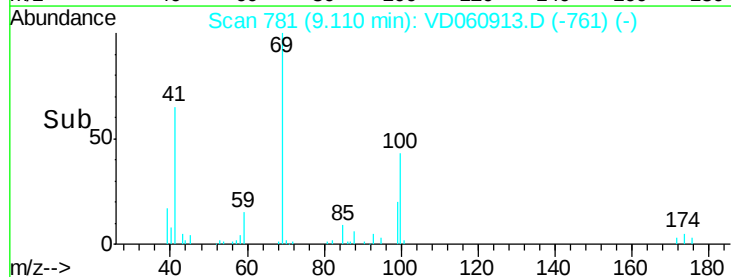
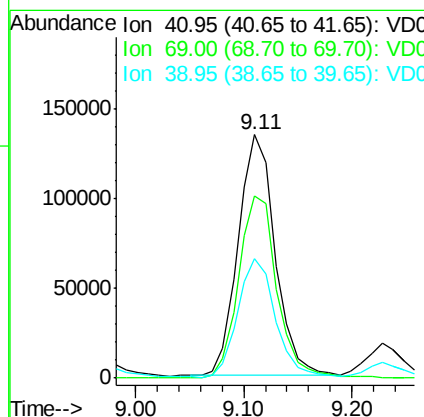
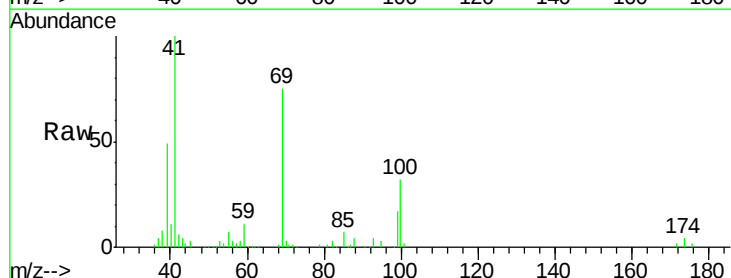
RT: 9.11 min Scan# 781

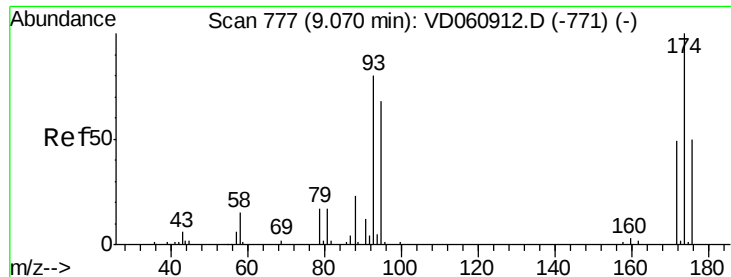
Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tgt Ion:	41	Resp:	318628
Ion	Ratio	Lower	Upper
41	100		
69	74.8	61.4	92.2
39	48.9	42.1	63.1





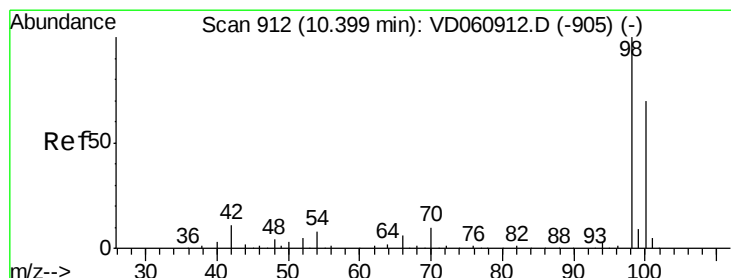
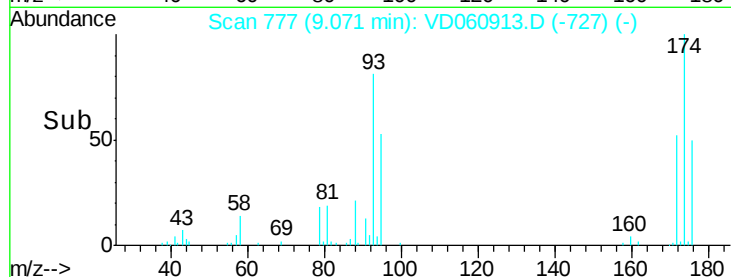
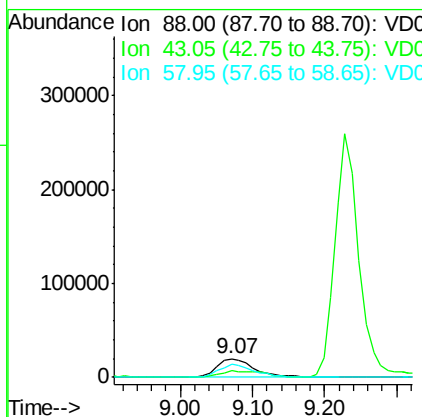
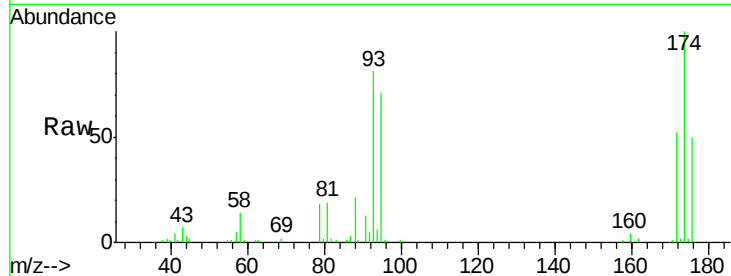
#49
1,4-Dioxane
Concen: 1315.475 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	20.3	30.5#
58	66.8	40.6	61.0#

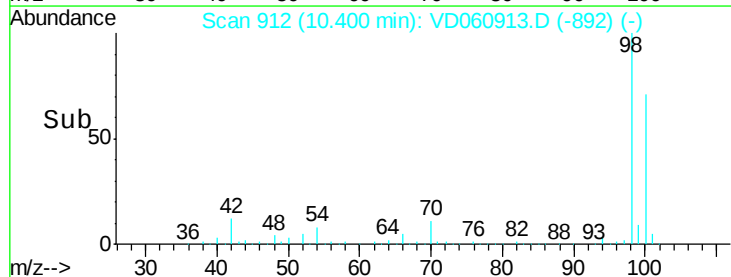
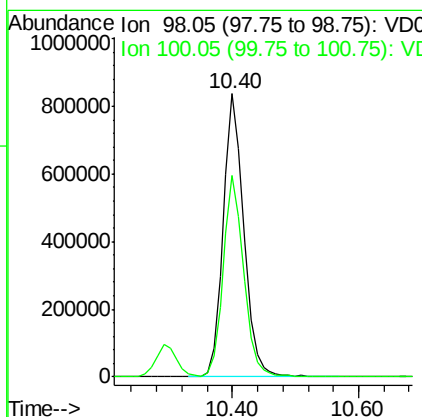
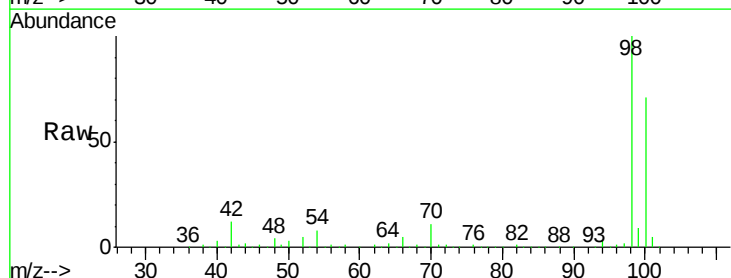
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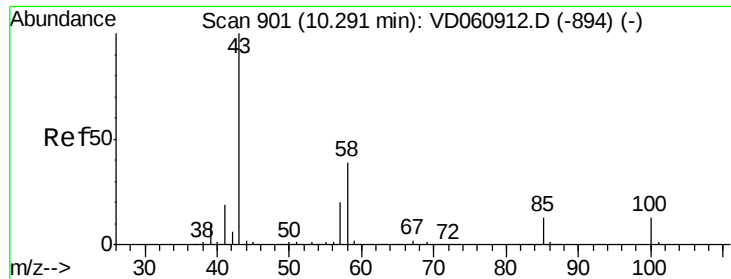
MMDadoda
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#50
Toluene-d8
Concen: 1315.475 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.1	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 319.985 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tot Ion: 43 Resp: 1751832

Ion Ratio Lower Upper

43 100

58 38.8 26.8 40.2

Instrument :

MSVOA_D

ClientSampleId :

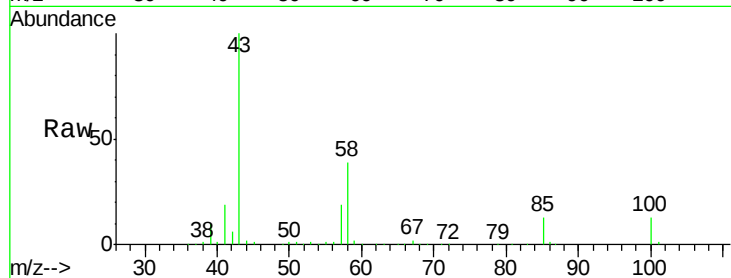
VSTDIC075

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

800000

600000

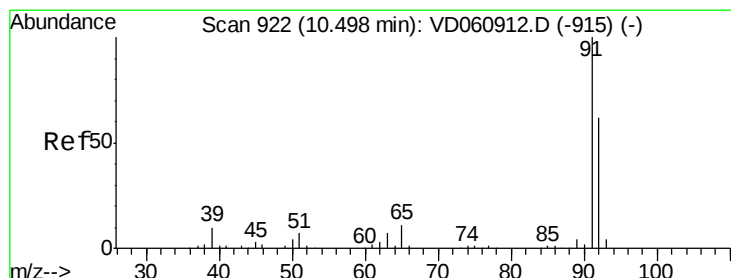
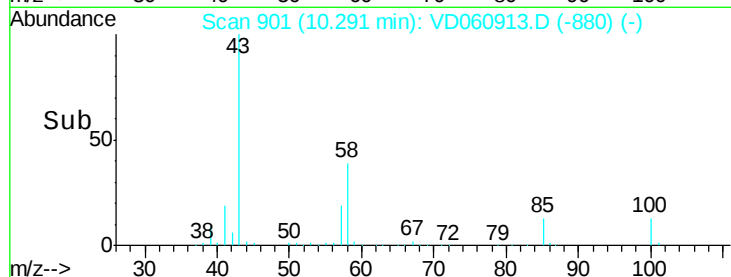
400000

200000

0

10.20 10.40

Time-->



#52

Toluene

Concen: 67.583 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD060913.D

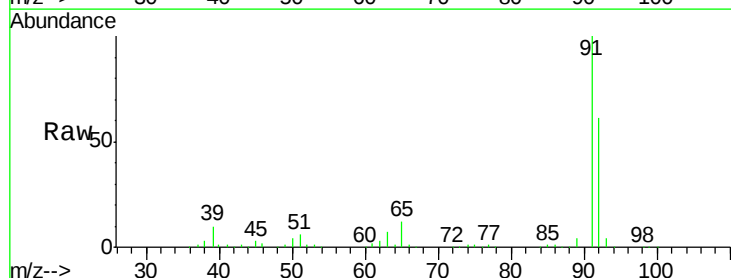
Acq: 1 Mar 2019 17:03

Tgt Ion: 92 Resp: 1296431

Ion Ratio Lower Upper

92 100

91 163.2 132.1 198.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

1000000

800000

600000

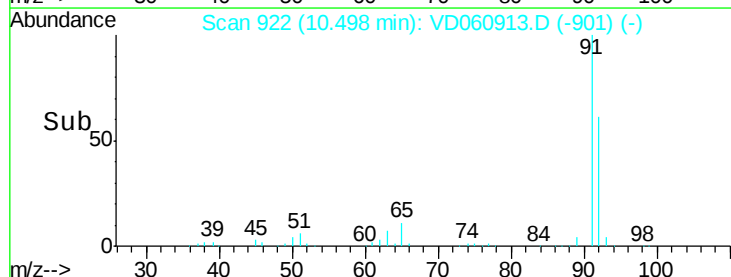
400000

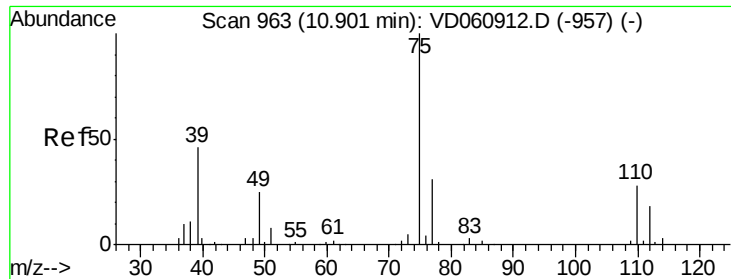
200000

0

10.40 10.60 10.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.401 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tot Ion: 75 Resp: 686412

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

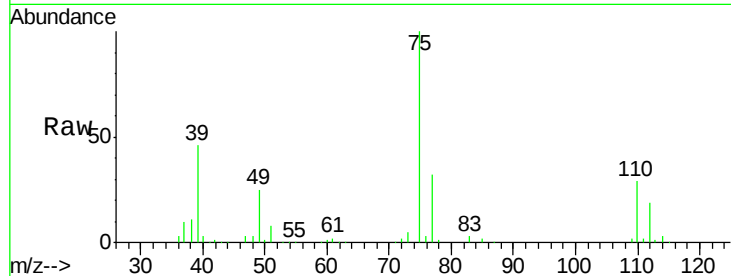
VSTDIC075

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

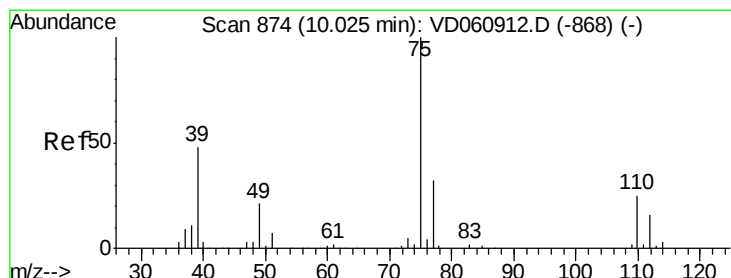
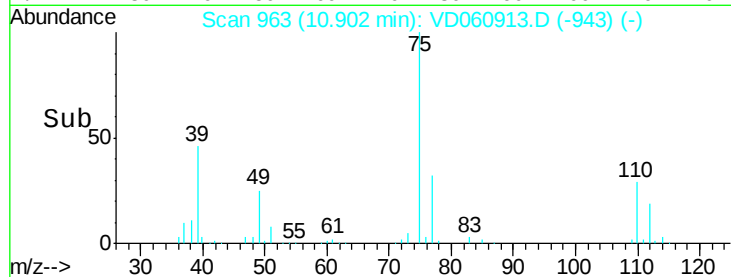
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 63.357 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

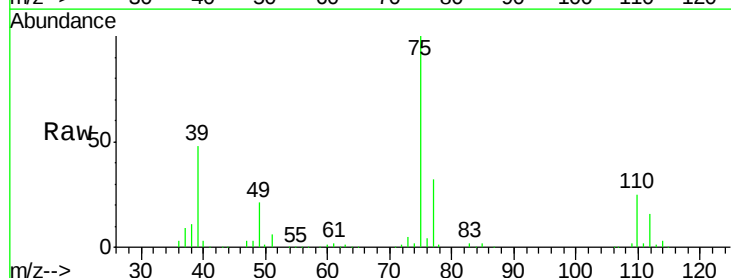
Tgt Ion: 75 Resp: 888354

Ion Ratio Lower Upper

75 100

77 32.3 26.1 39.1

39 47.6 36.6 54.8



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

10.03

500000

400000

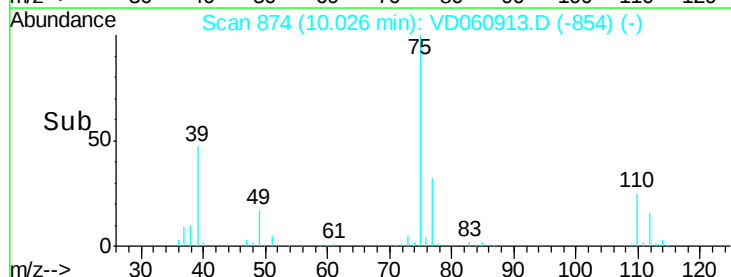
300000

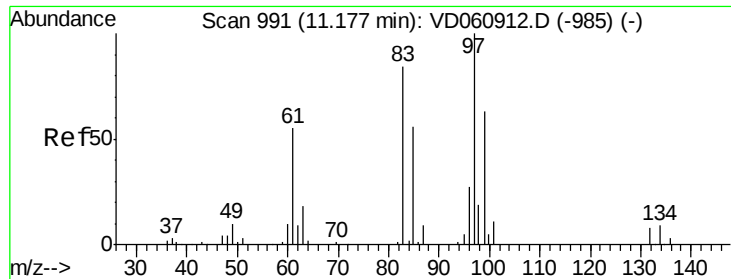
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 66.195 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 435564

Ion Ratio Lower Upper

97 100

83 84.3 73.0 109.6

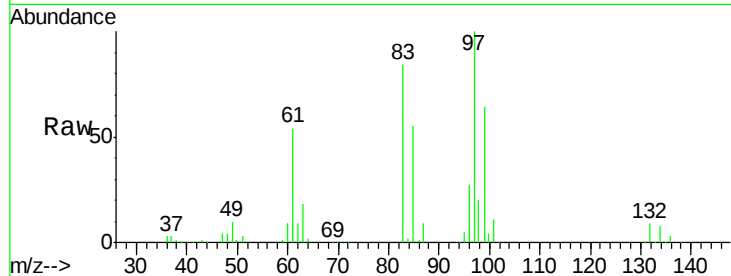
85 54.7 47.6 71.4

99 63.6 47.9 71.9

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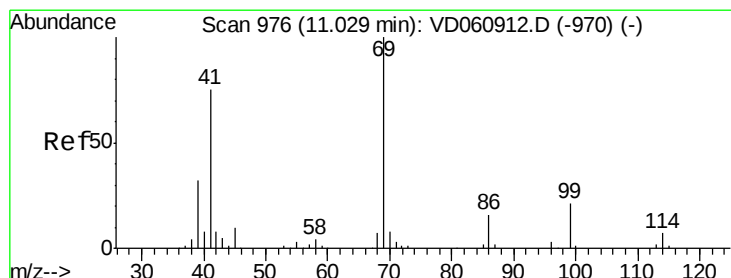
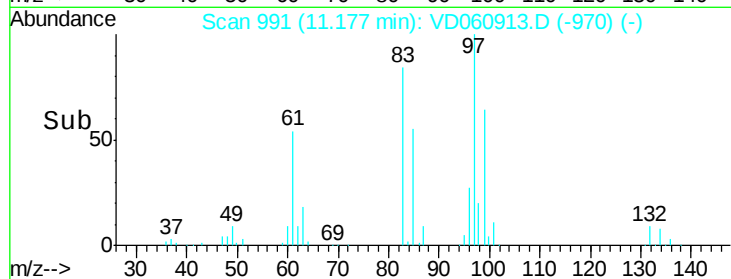
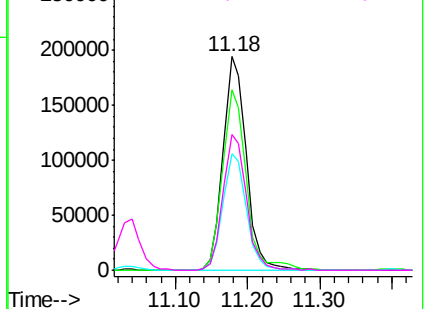


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 61.624 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

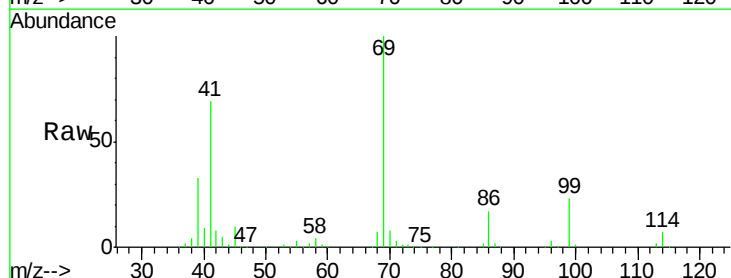
Tgt Ion: 69 Resp: 461437

Ion Ratio Lower Upper

69 100

41 68.9 58.2 87.2

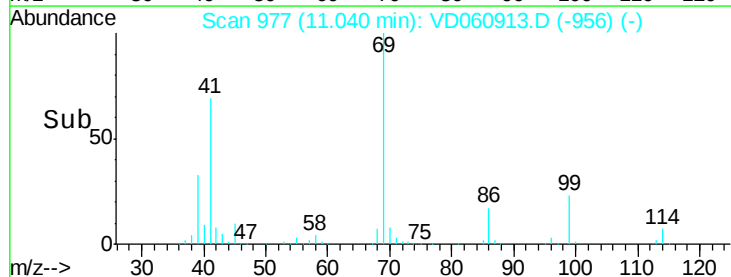
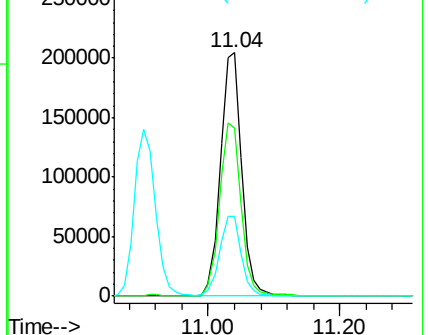
39 32.6 30.8 46.2

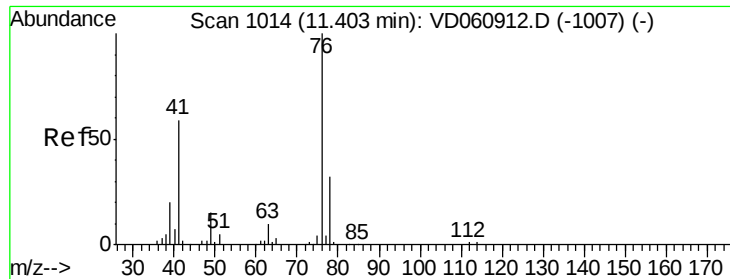


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





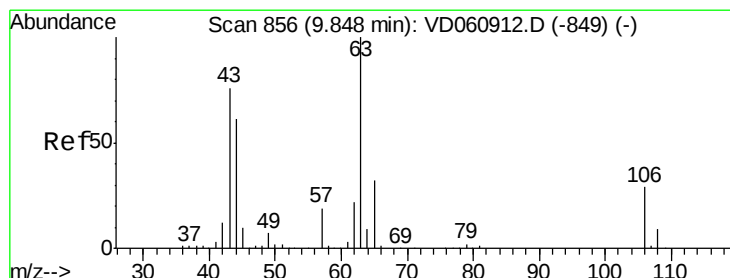
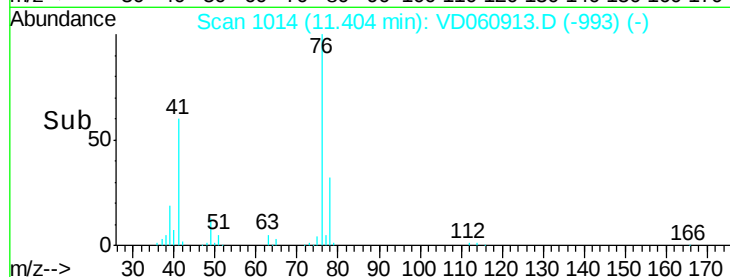
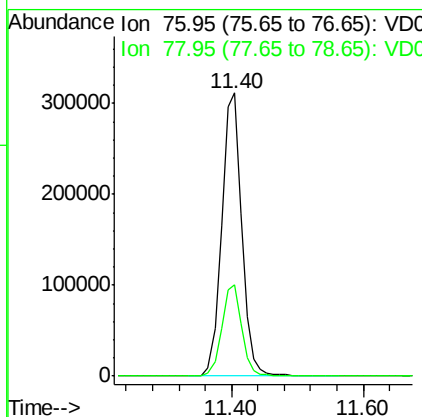
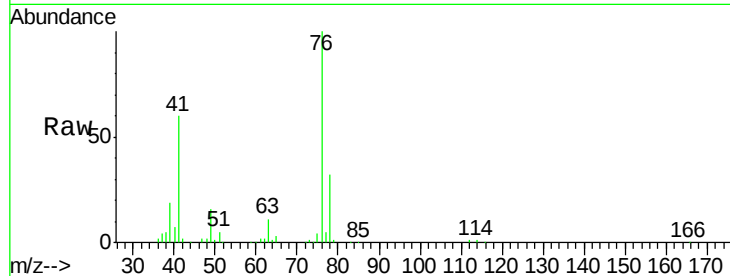
#57
 1,3-Dichloropropane
 Concen: 61.017 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 76 Resp: 661231
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8

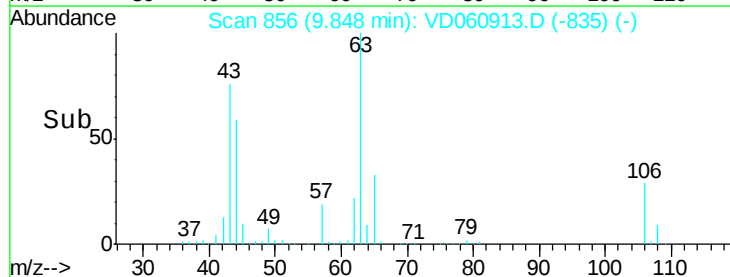
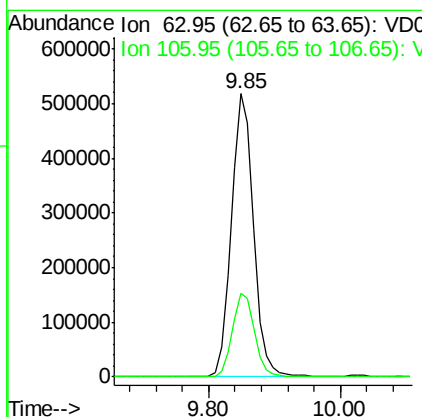
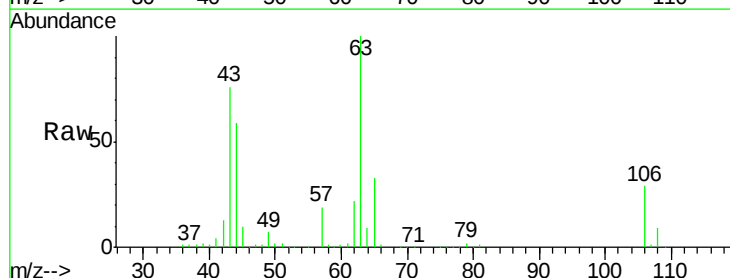
Manual Integrations
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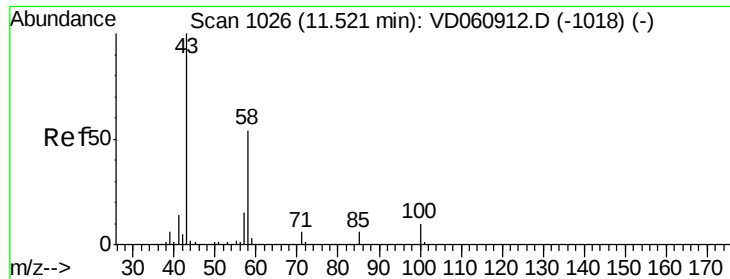
MMDadoda
 3/6/2019 5:33:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 340.683 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Tgt Ion: 63 Resp: 1222251
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.4





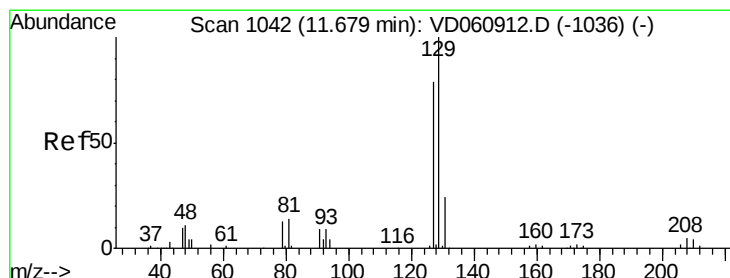
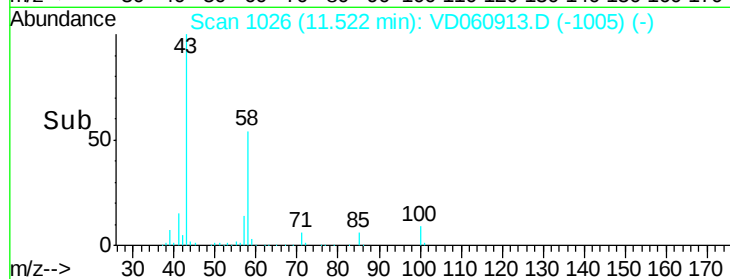
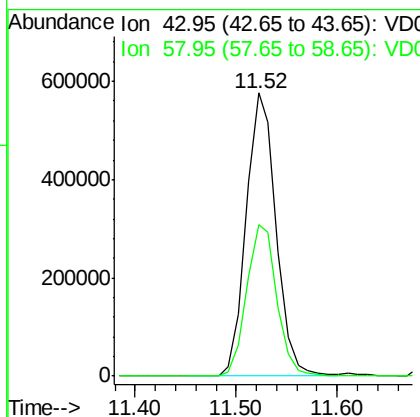
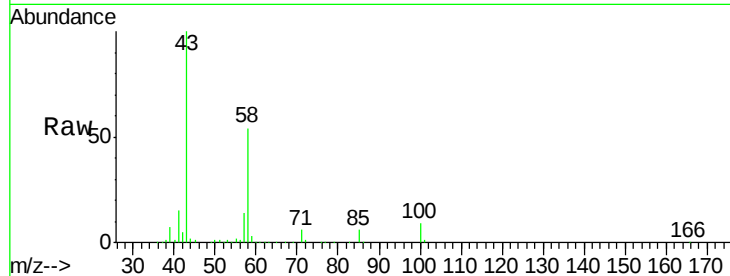
#59
2-Hexanone
Concen: 283.260 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1190593
Ion Ratio Lower Upper
43 100
58 53.6 25.4 76.2

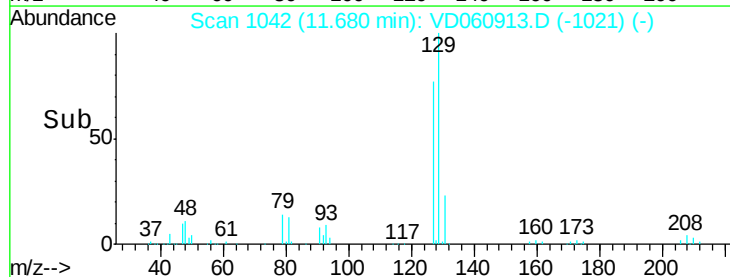
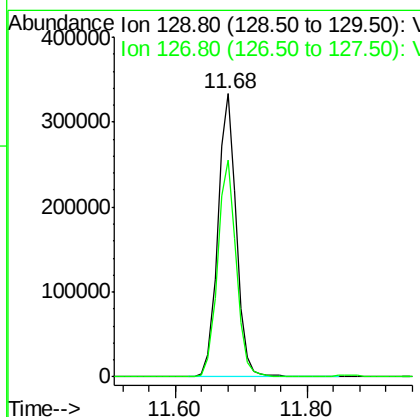
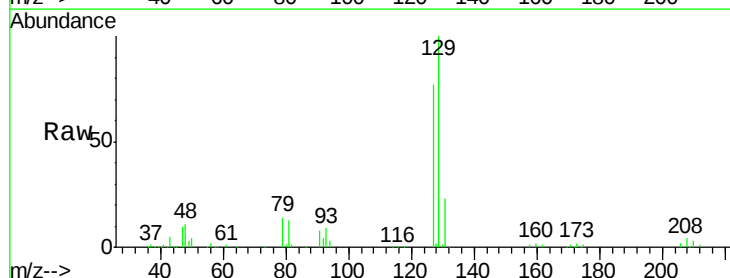
Manual Integrations
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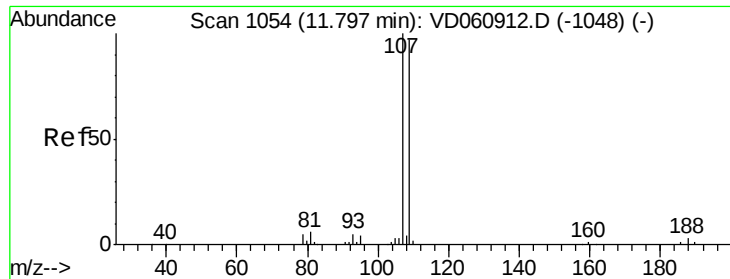
MMDadoda
3/6/2019 5:33:08 AM



#60
Dibromochloromethane
Concen: 68.302 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion:129 Resp: 645820
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





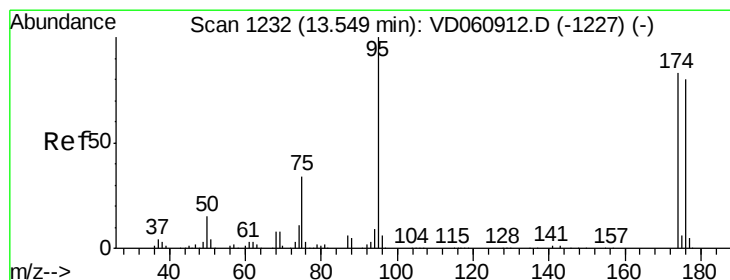
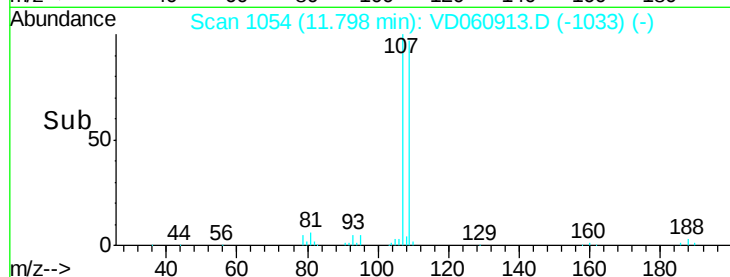
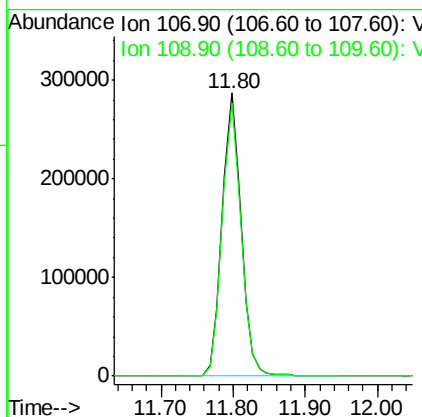
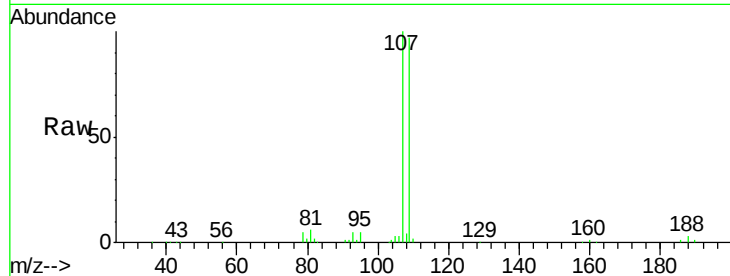
#61
 1,2-Dibromoethane
 Concen: 70.312 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 107 Resp: 523743
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.0 112.6

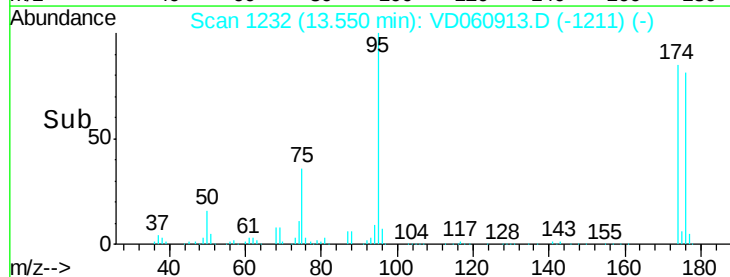
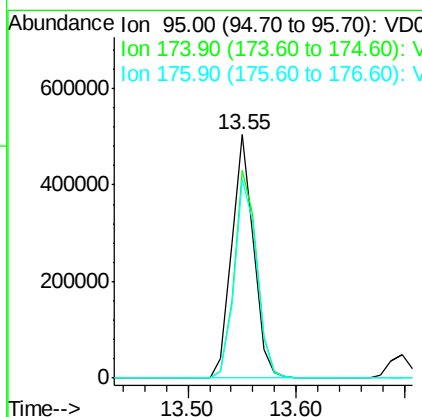
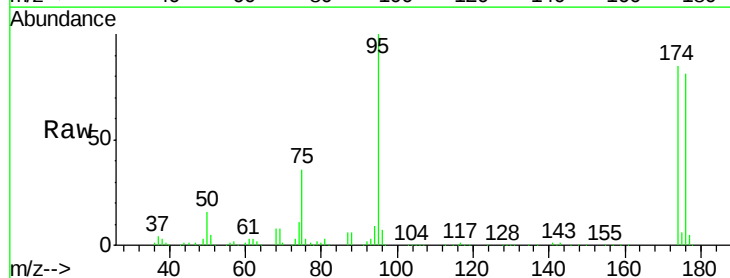
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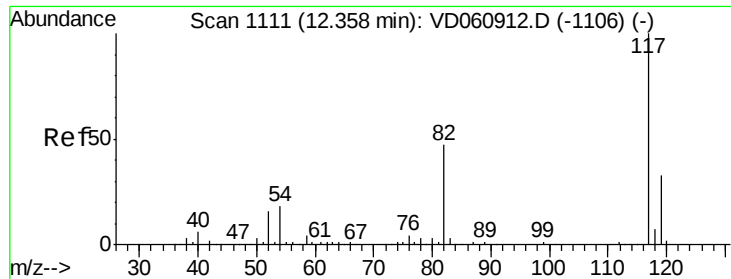
MMDadoda
 3/6/2019 5:33:08 AM



#62
 4-Bromofluorobenzene
 Concen: 70.312 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Tgt Ion: 95 Resp: 709249
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 207.2
 176 81.5 0.0 198.4





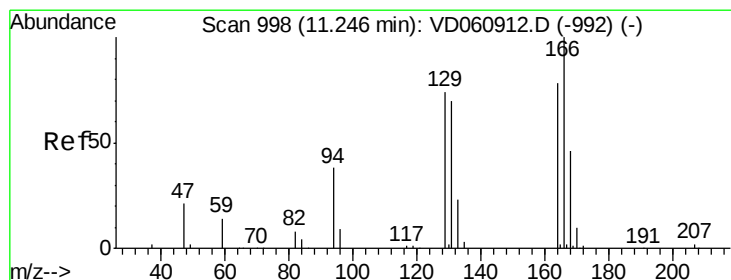
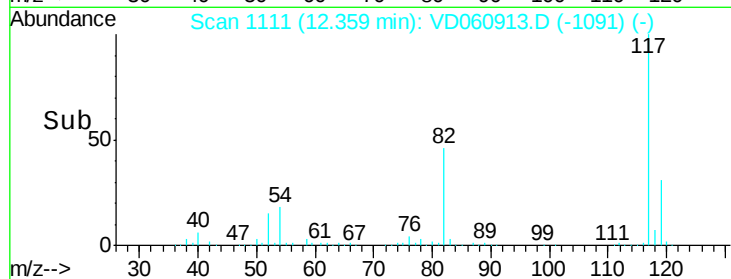
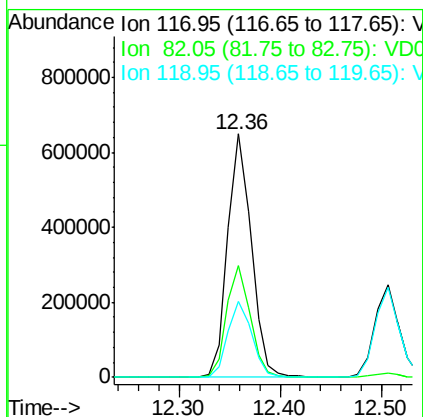
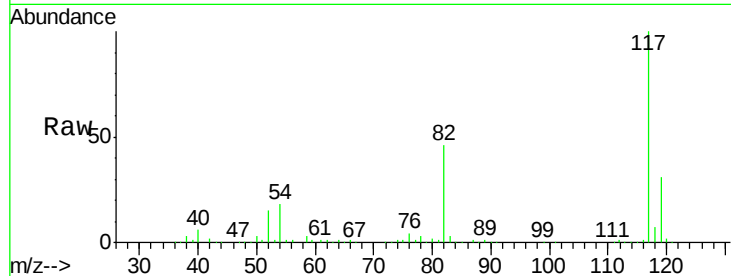
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 1063345
Ion Ratio Lower Upper
117 100
82 45.7 45.5 68.3
119 31.4 25.7 38.5

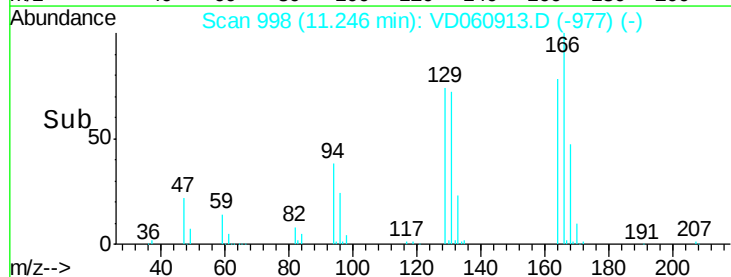
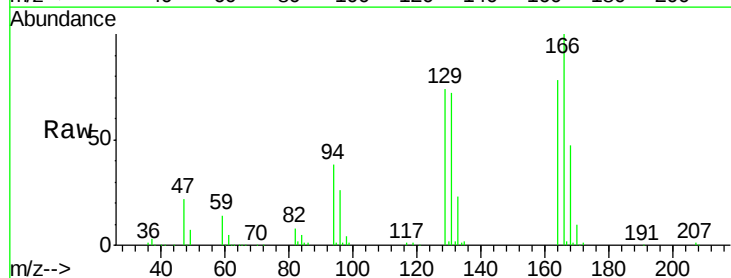
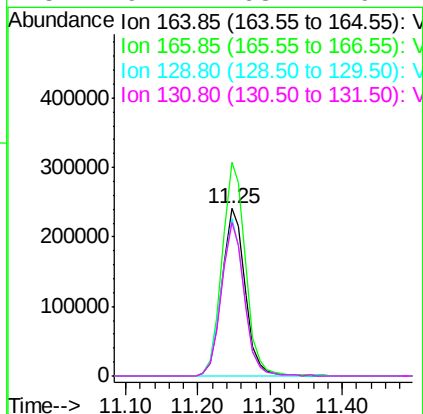
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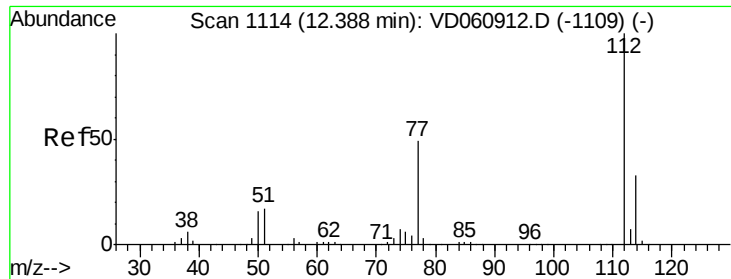
MMDadoda
3/6/2019 5:33:08 AM



#64
Tetrachloroethene
Concen: 56.285 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion:164 Resp: 534770
Ion Ratio Lower Upper
164 100
166 127.4 101.9 152.9
129 94.1 63.0 94.4
131 91.4 63.1 94.7





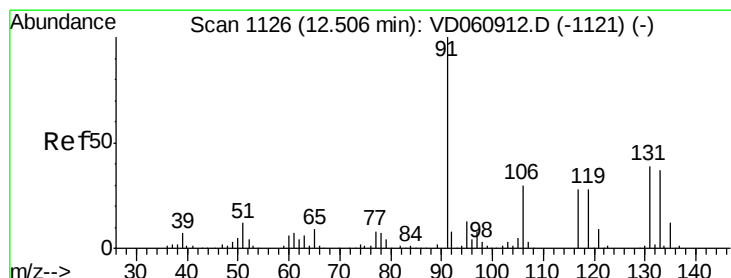
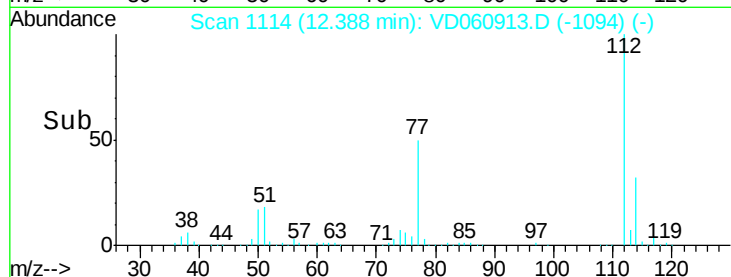
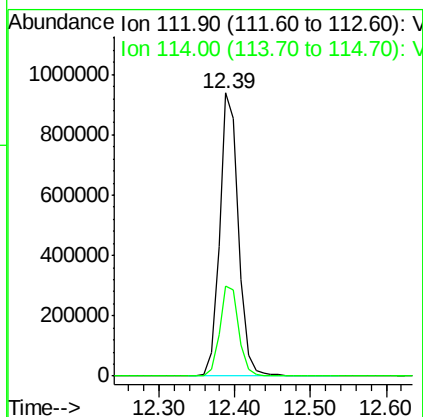
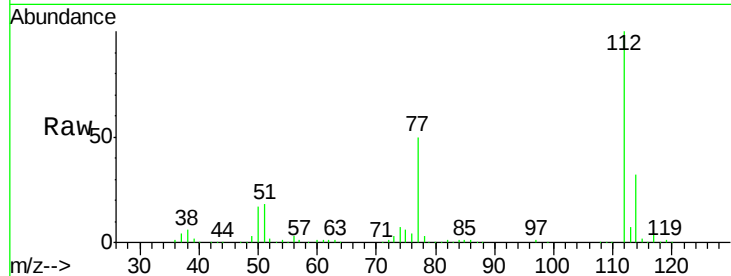
#65
Chlorobenzene
Concen: 75.115 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1618878
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6

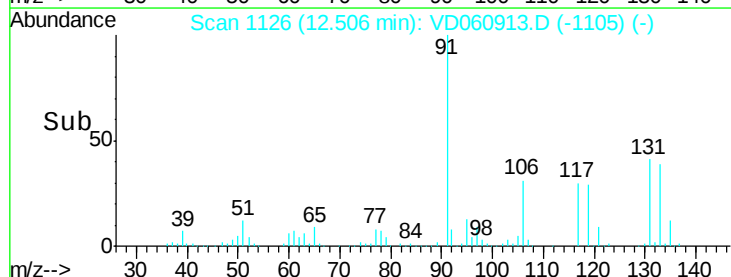
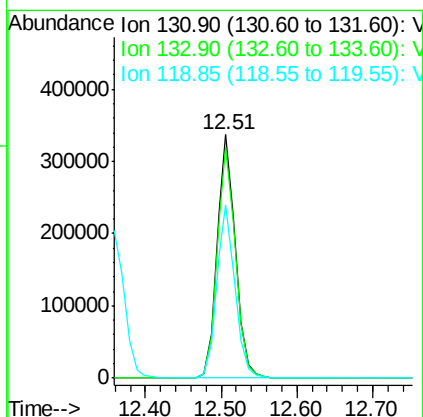
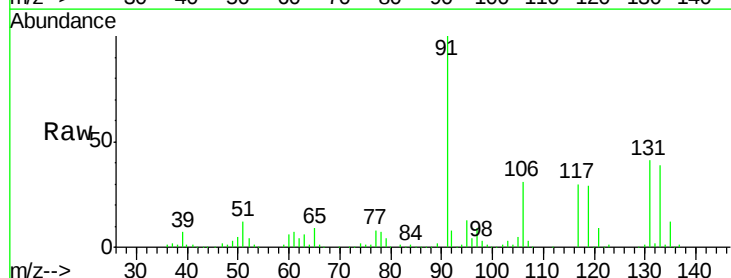
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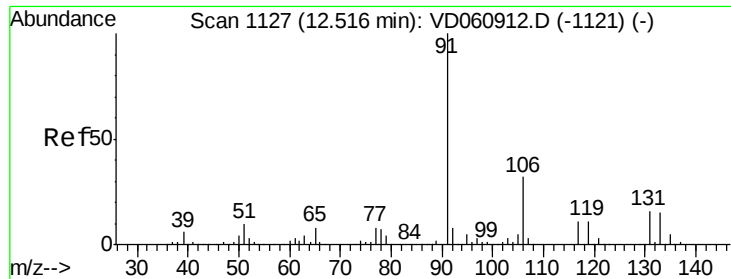
MMDadoda
3/6/2019 5:33:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 66.742 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion:131 Resp: 572403
Ion Ratio Lower Upper
131 100
133 94.7 48.5 145.6
119 71.3 32.8 98.3





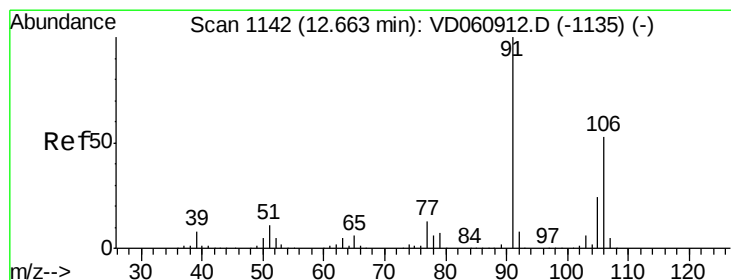
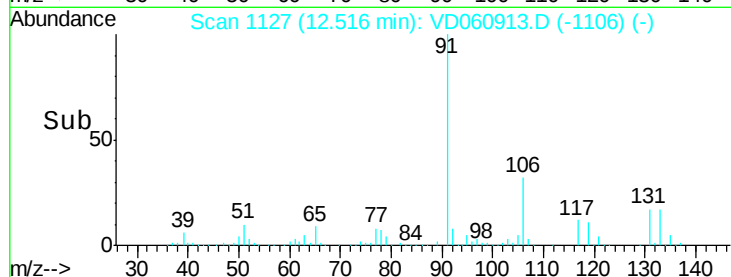
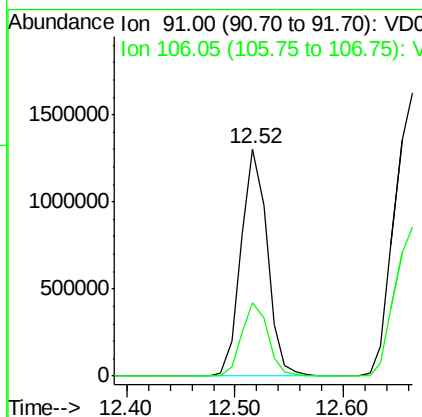
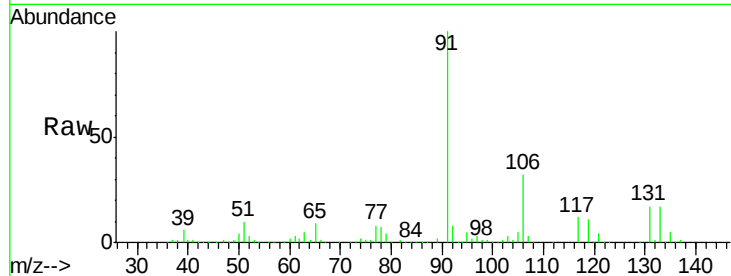
#67
Ethyl Benzene
Concen: 59.979 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2200198
Ion Ratio Lower Upper
91 100
106 32.1 22.2 33.2

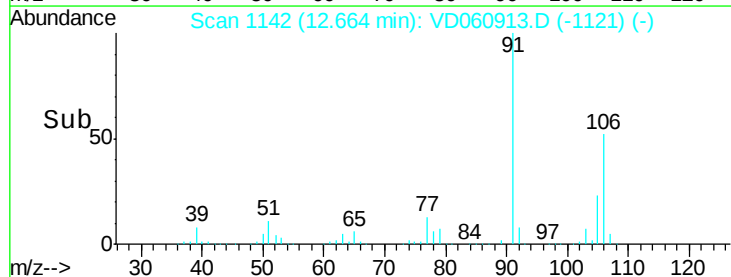
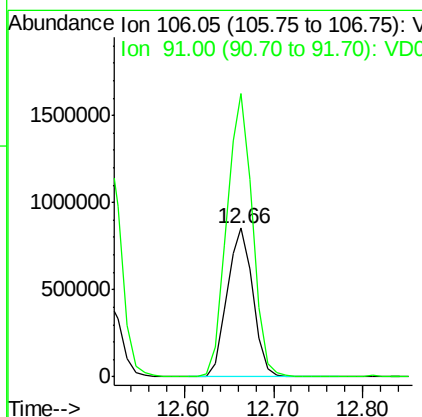
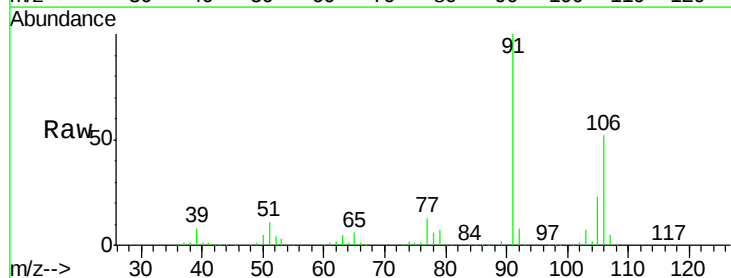
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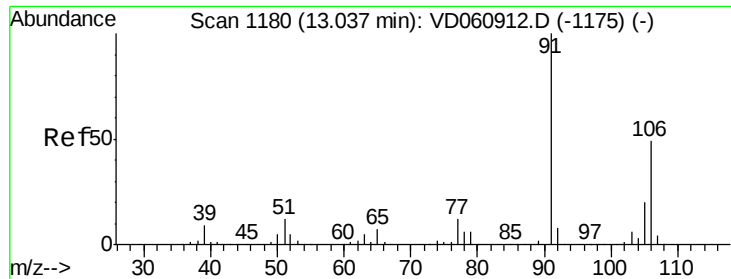
MMDadoda
3/6/2019 5:33:08 AM



#68
m/p-Xylenes
Concen: 133.650 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion: 106 Resp: 1732832
Ion Ratio Lower Upper
106 100
91 190.6 174.2 261.2





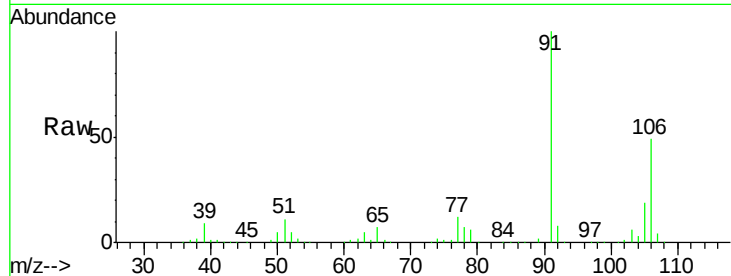
#69
o-Xylene
Concen: 62.628 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC075

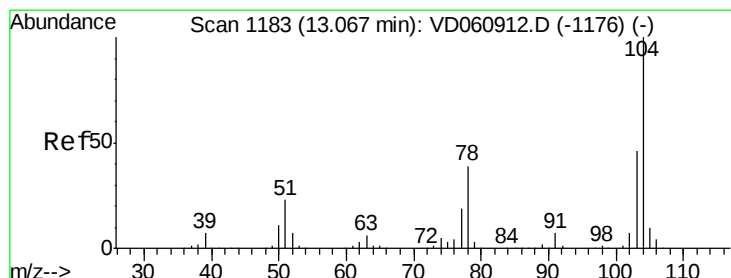
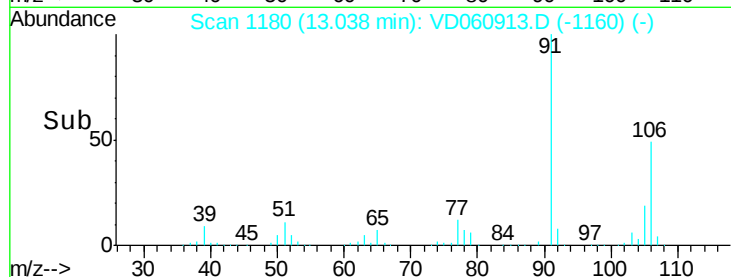
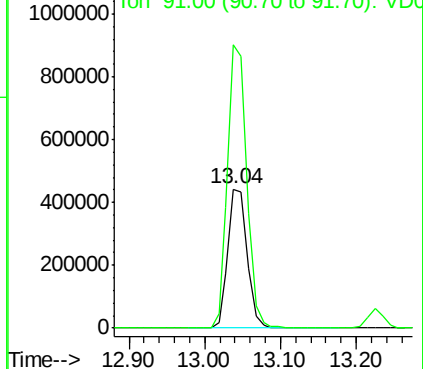
Tot Ion:106 Resp: 782046
Ion Ratio Lower Upper
106 100
91 203.7 116.9 350.7

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3/6/2019 5:33:08 AM

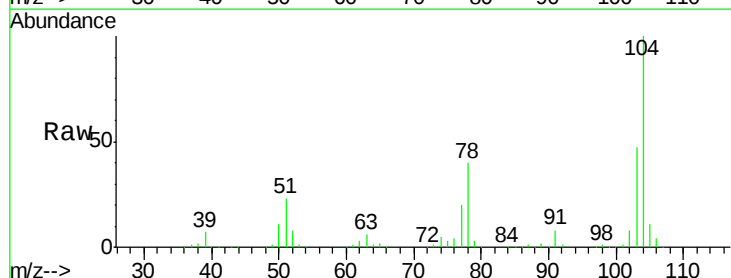


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

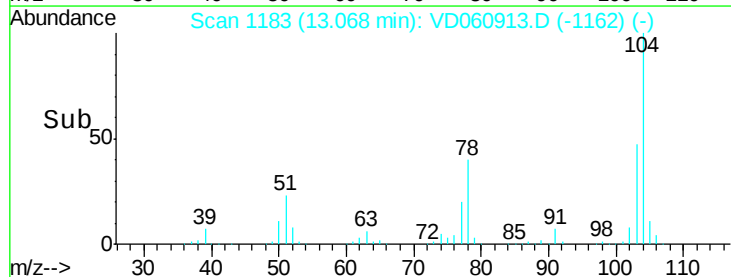
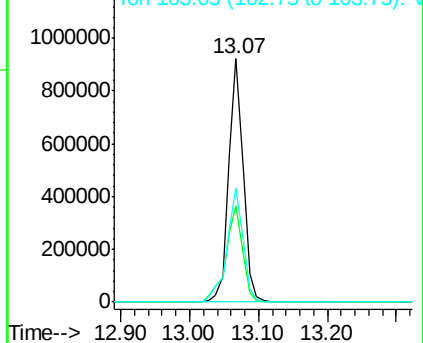


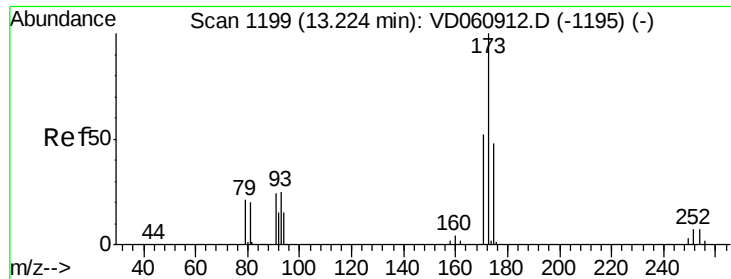
#70
Styrene
Concen: 63.844 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion:104 Resp: 1339905
Ion Ratio Lower Upper
104 100
78 39.7 34.6 51.8
103 47.0 36.3 54.5



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





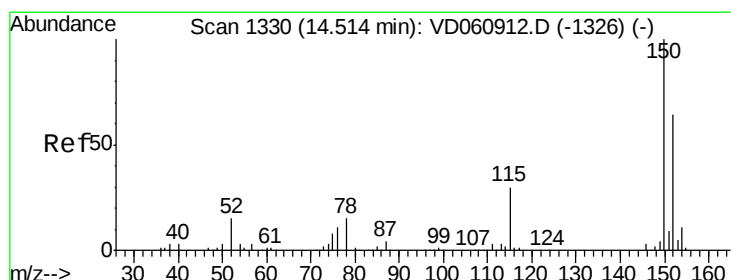
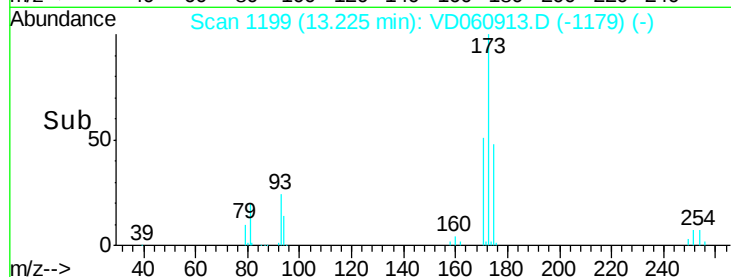
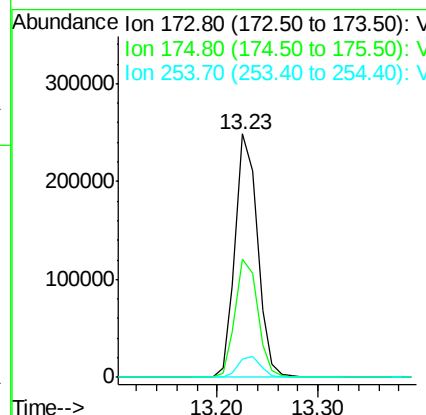
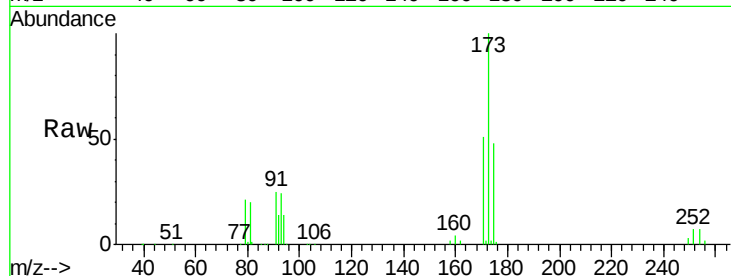
#71
Bromoform
Concen: 56.242 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.8
254	7.4	6.0	9.0

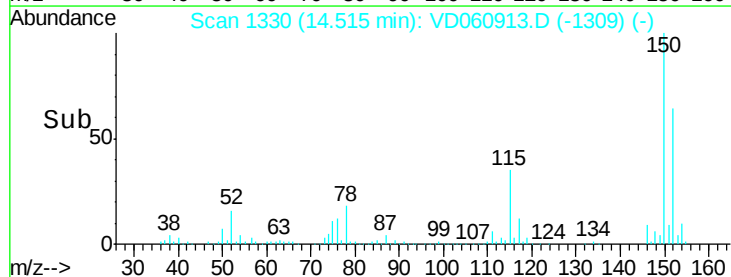
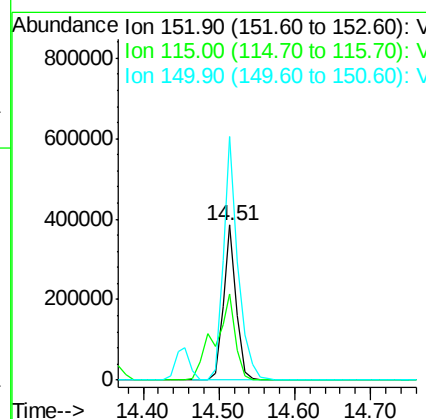
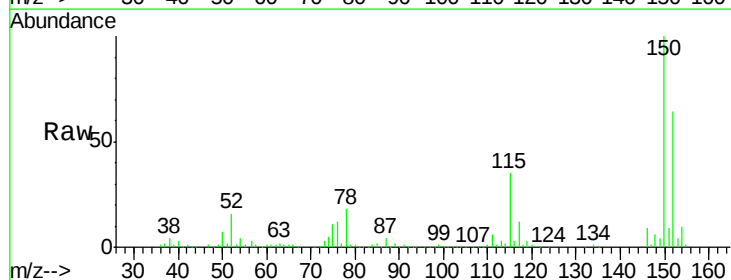
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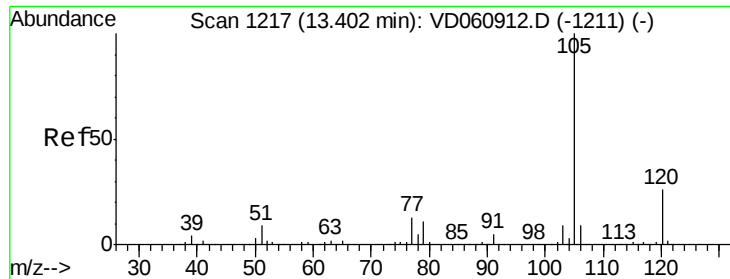
MMDadoda
3/6/2019 5:33:08 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	24.4	73.2
150	157.1	0.0	311.0





#73

Isopropylbenzene

Concen: 83.582 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2240358

Ion Ratio Lower Upper

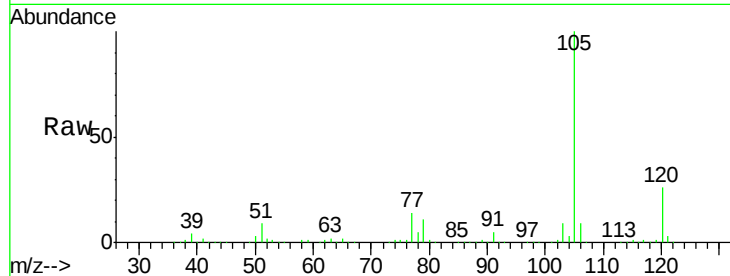
105 100

120 26.0 12.2 36.6

Manual Integrations
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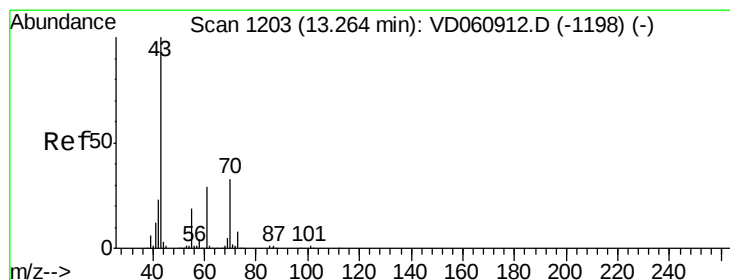
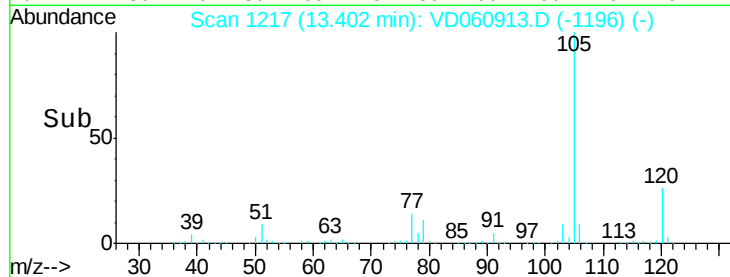
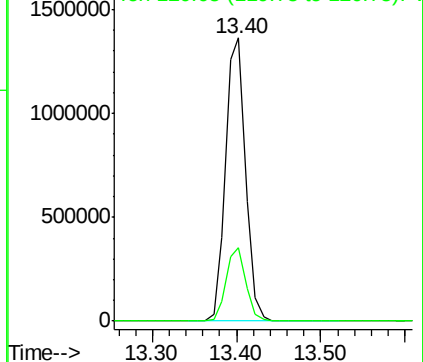
MMDadoda

3/6/2019 5:33:08 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 85.764 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tgt Ion: 43 Resp: 794523

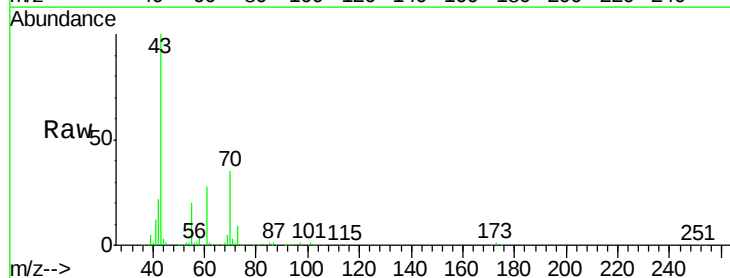
Ion Ratio Lower Upper

43 100

70 34.9 26.8 40.2

55 20.1 14.2 21.4

61 28.1 20.6 31.0

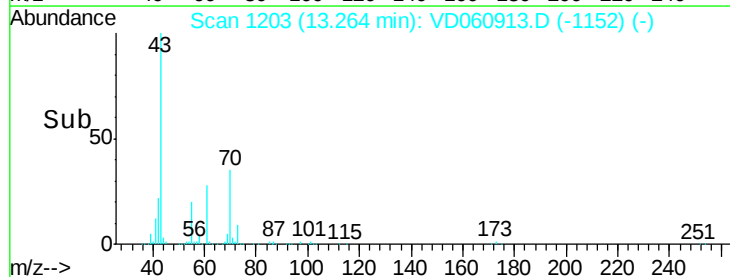
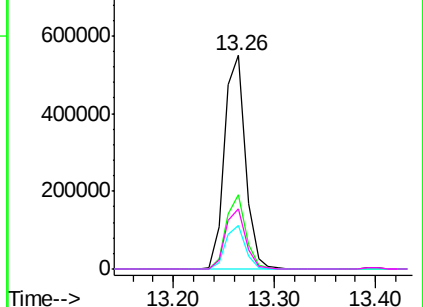


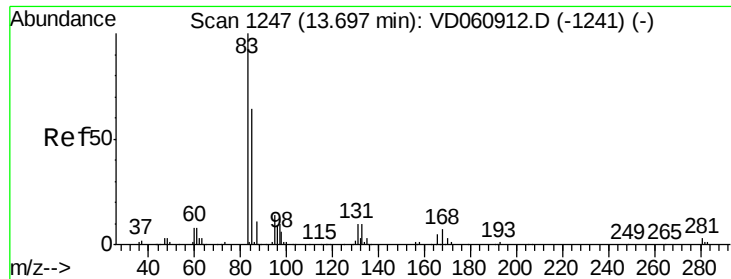
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 79.273 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

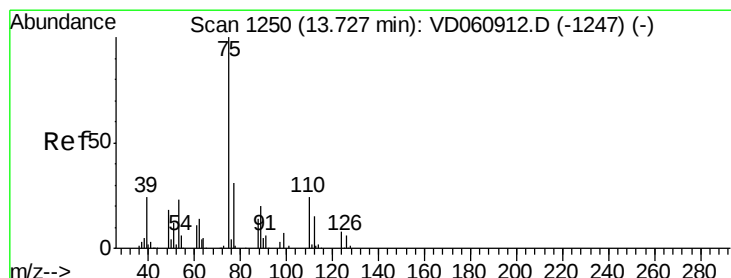
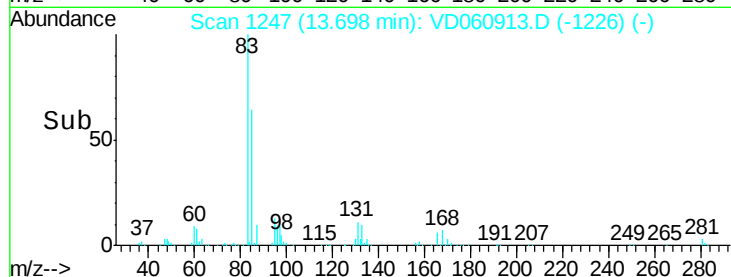
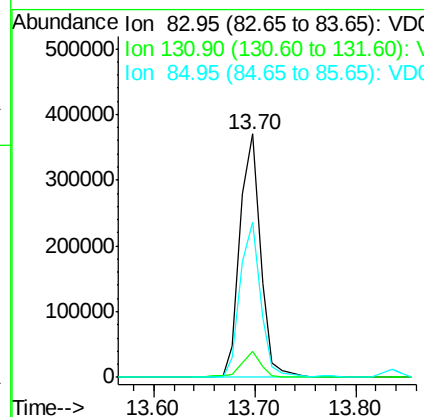
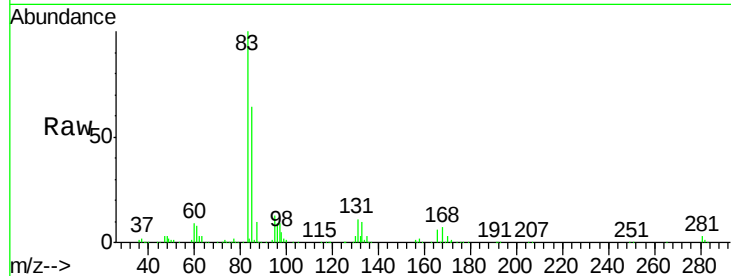
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	523321
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.9	14.6
85	63.9	31.9	95.9

Manual Integrations
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3/6/2019 5:33:08 AM



#76

1,2,3-Trichloropropane

Concen: 76.583 ug/l

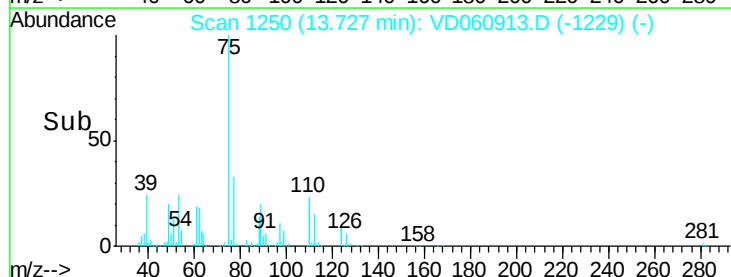
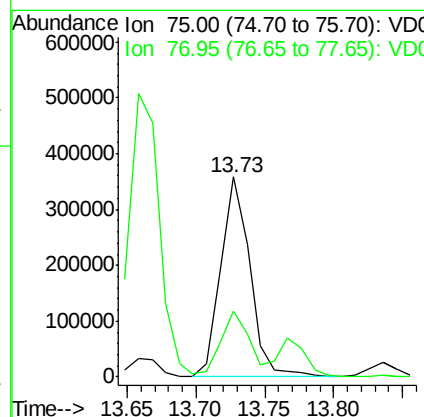
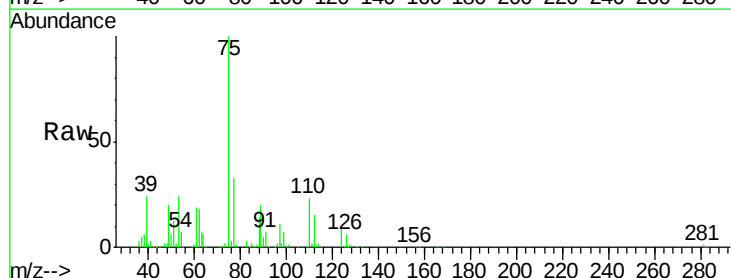
RT: 13.73 min Scan# 1250

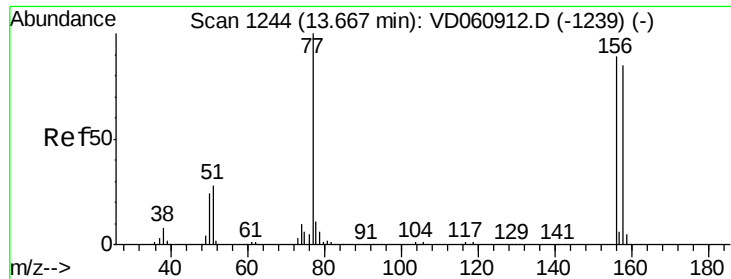
Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Tgt Ion:	75	Resp:	522007
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.3	48.8





#77

Bromobenzene

Concen: 72.677 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:156 Resp: 626960

Ion Ratio Lower Upper

156 100

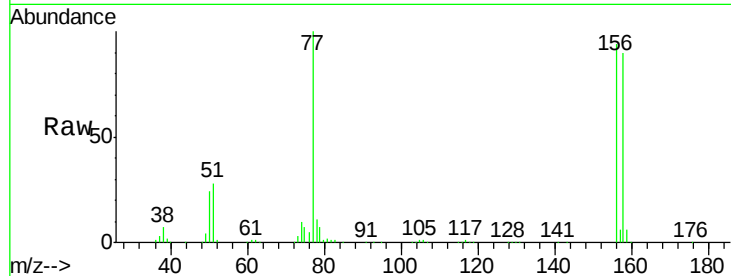
77 106.8 67.4 202.2

158 95.6 49.2 147.6

Manual Integrations
APPROVED

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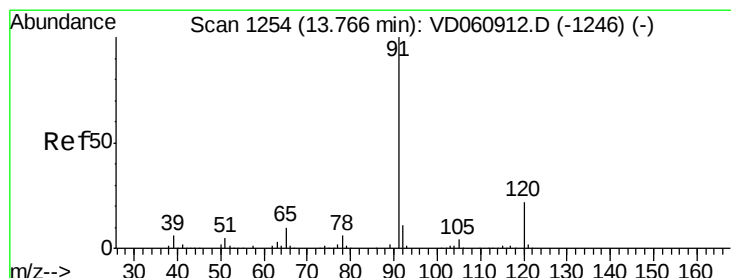
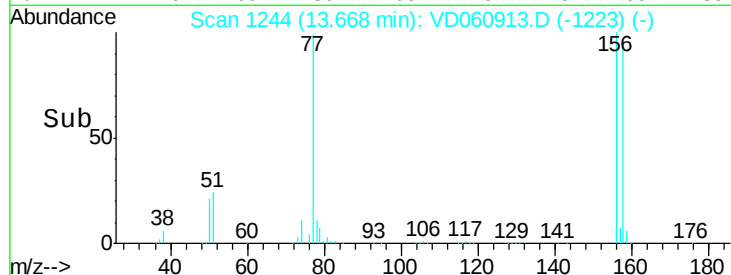
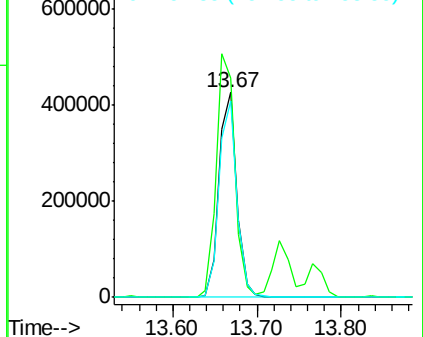
3/6/2019 5:33:08 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 74.932 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD060913.D

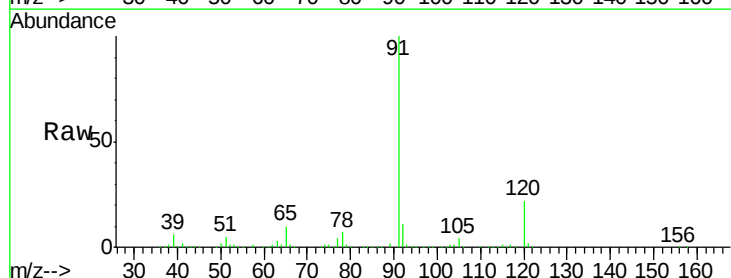
Acq: 1 Mar 2019 17:03

Tgt Ion: 91 Resp: 2679973

Ion Ratio Lower Upper

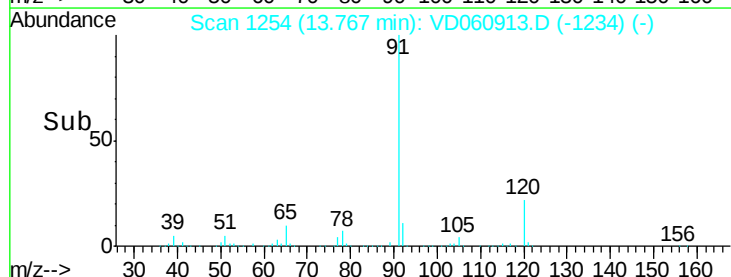
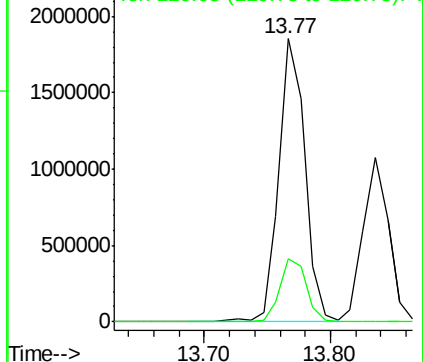
91 100

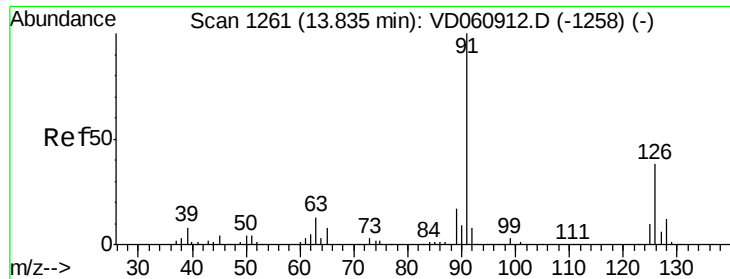
120 22.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 73.693 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1507470

Ion Ratio Lower Upper

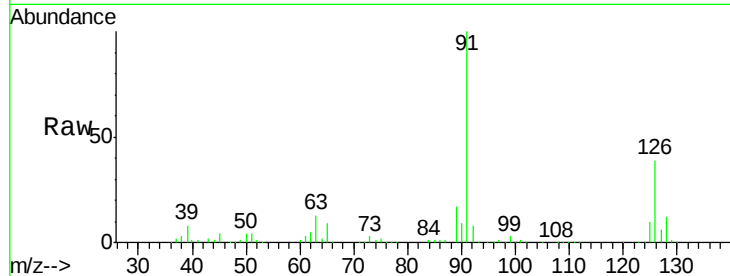
91 100

126 38.9 17.4 52.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD060913.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060913.D (-1258) (-)

2000000

1500000

1000000

500000

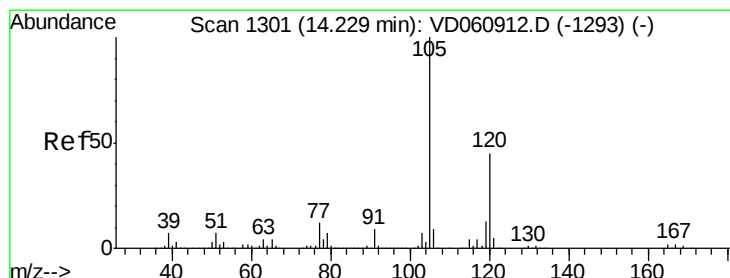
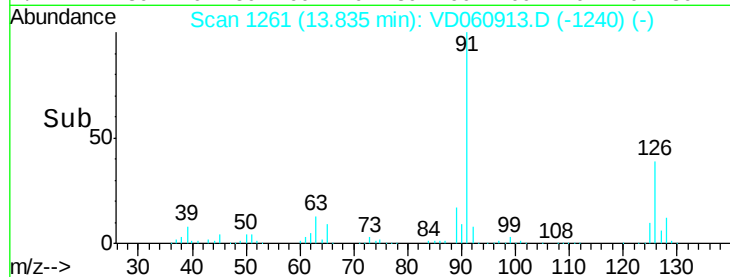
0

13.84

13.85

13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 76.589 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD060913.D

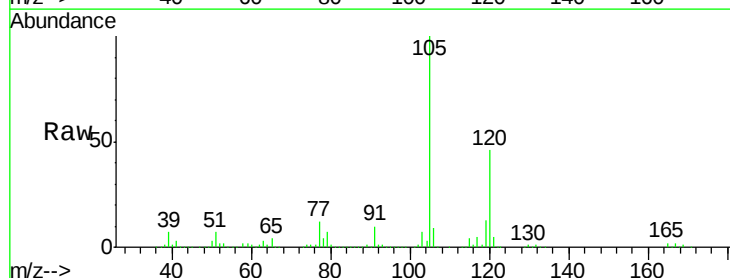
Acq: 1 Mar 2019 17:03

Tgt Ion:105 Resp: 1687193

Ion Ratio Lower Upper

105 100

120 46.0 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD060913.D (-1293) (-)

Ion 120.05 (119.75 to 120.75): VD060913.D (-1293) (-)

1500000

1000000

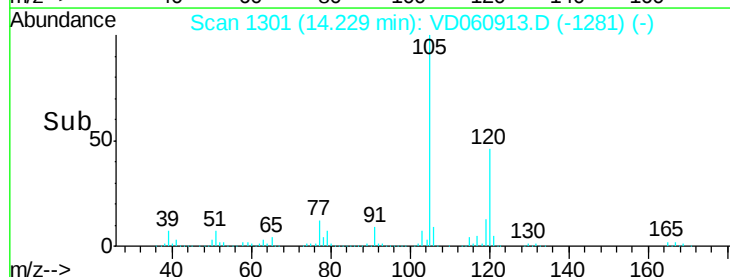
500000

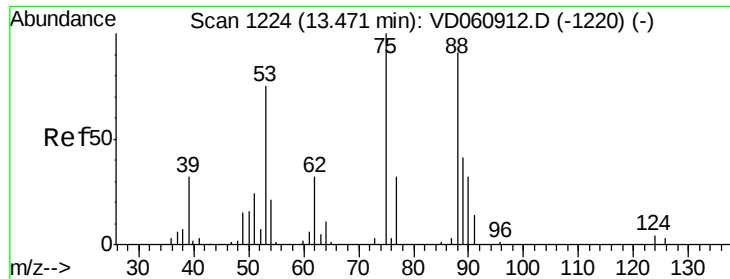
0

14.23

14.30

Time-->





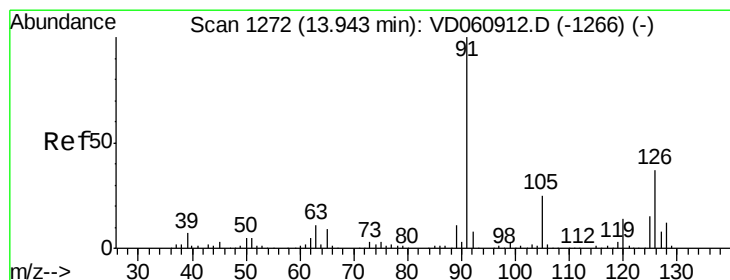
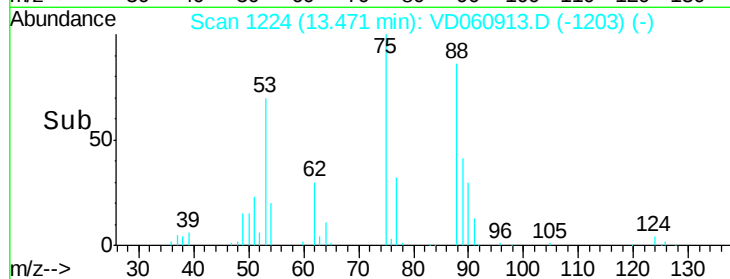
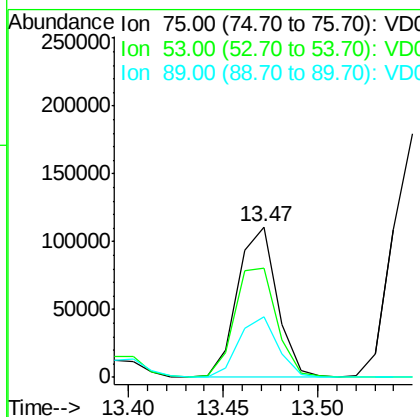
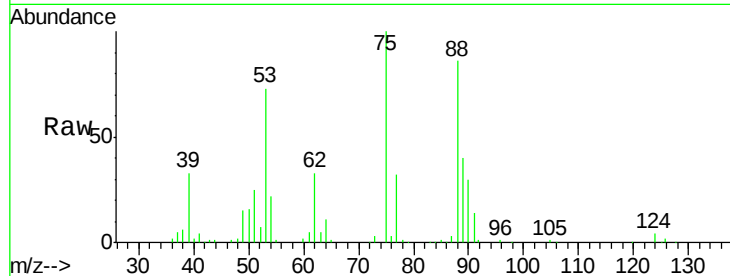
#81
trans-1,4-Dichloro-2-butene
Concen: 73.997 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	72.9	60.2	90.4
89	40.2	32.6	49.0

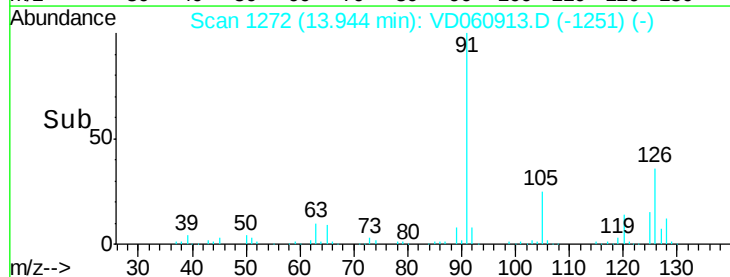
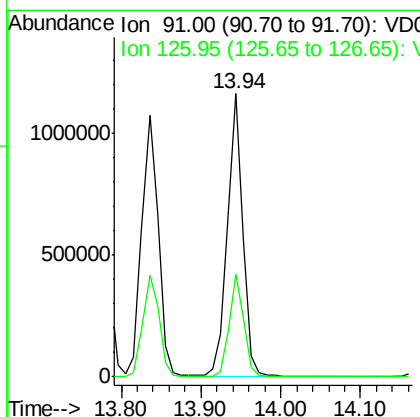
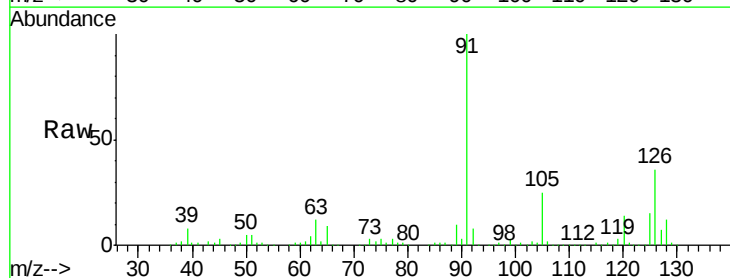
Manual Integrations
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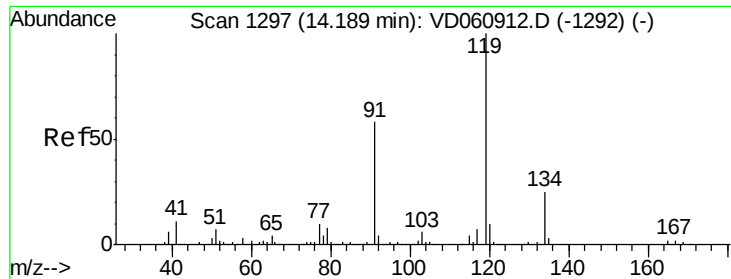
MMDadoda
3/6/2019 5:33:08 AM



#82
4-Chlorotoluene
Concen: 71.160 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	16.9	50.7





#83

tert-Butylbenzene

Concen: 78.018 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:119 Resp: 1984685

Ion Ratio Lower Upper

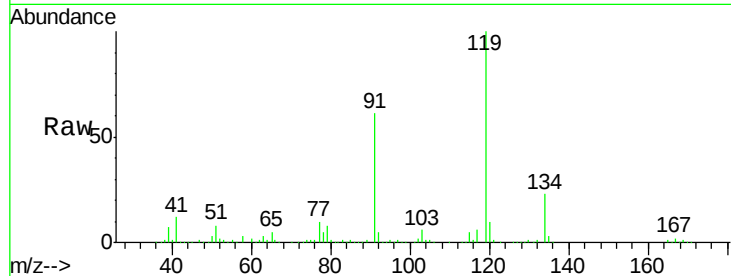
119 100

91 61.2 34.2 102.5

134 23.4 12.9 38.7

Manual Integrations
APPROVED

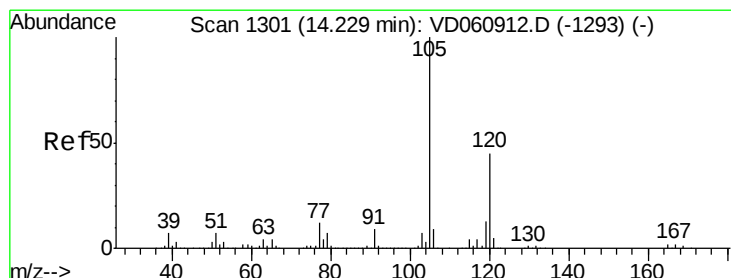
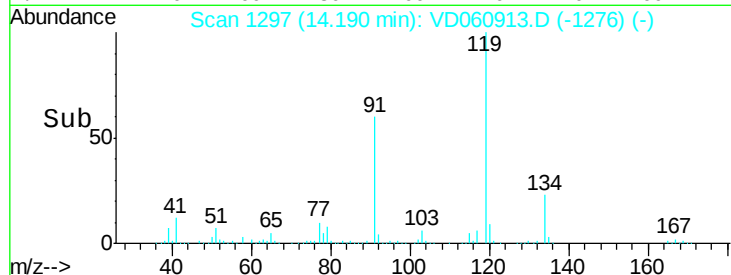
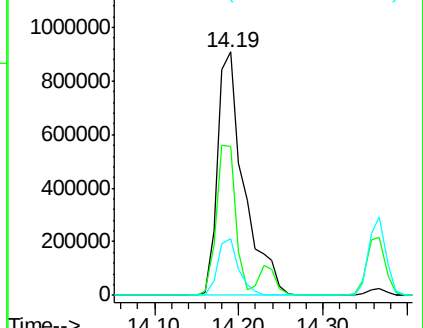
MMDadoda
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 76.589 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD060913.D

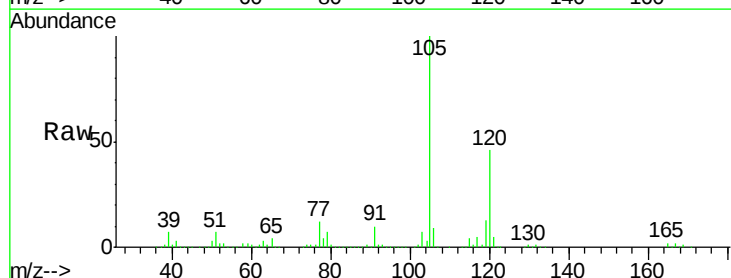
Acq: 1 Mar 2019 17:03

Tgt Ion:105 Resp: 1687193

Ion Ratio Lower Upper

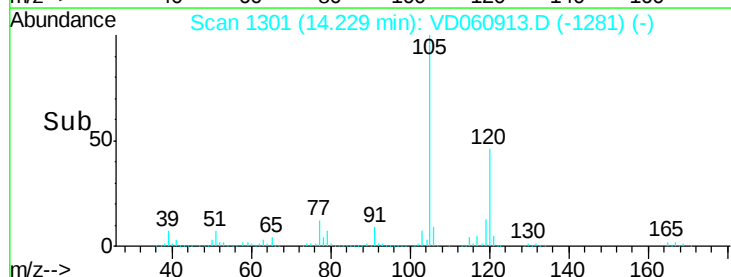
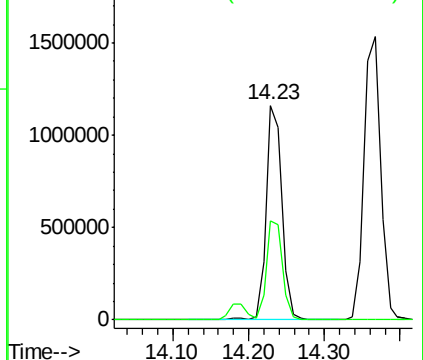
105 100

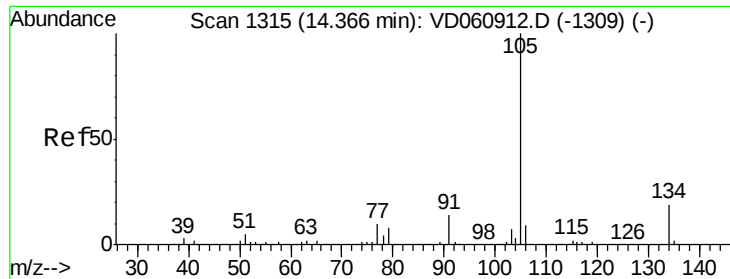
120 46.0 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 80.876 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2296908

Ion Ratio Lower Upper

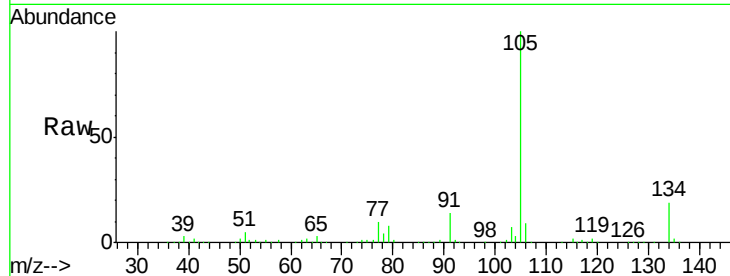
105 100

134 19.1 10.1 30.3

Manual Integrations
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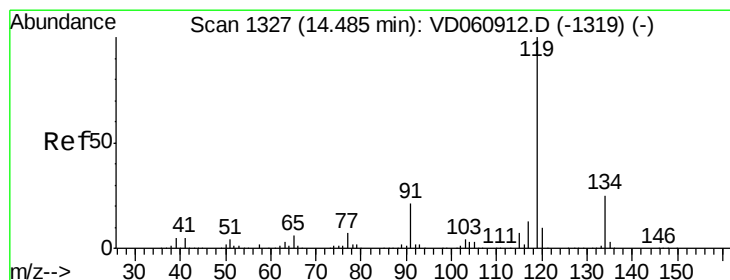
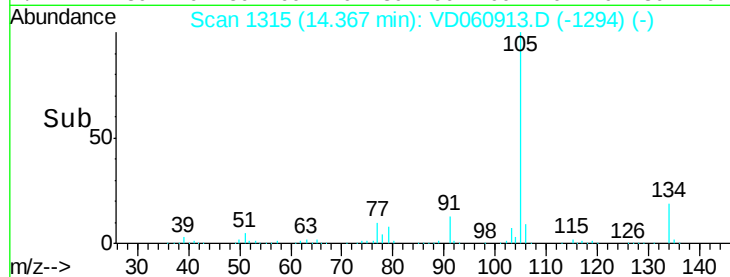
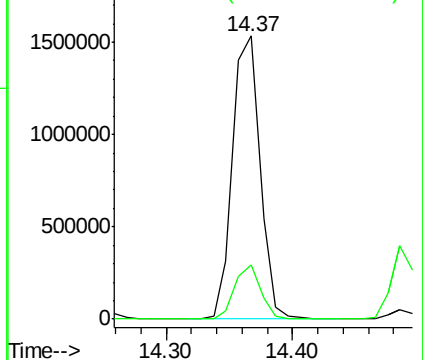
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 84.868 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

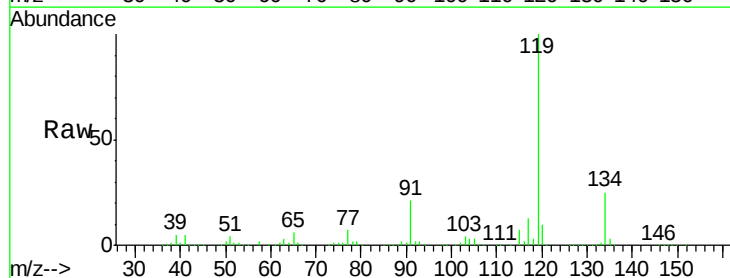
Tgt Ion:119 Resp: 2024057

Ion Ratio Lower Upper

119 100

134 24.7 12.9 38.7

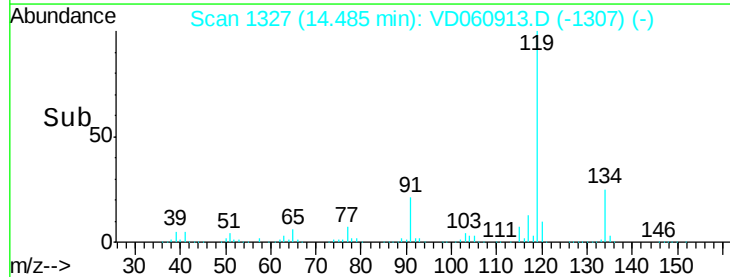
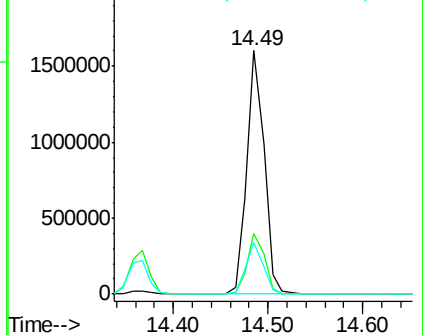
91 21.4 12.6 37.8

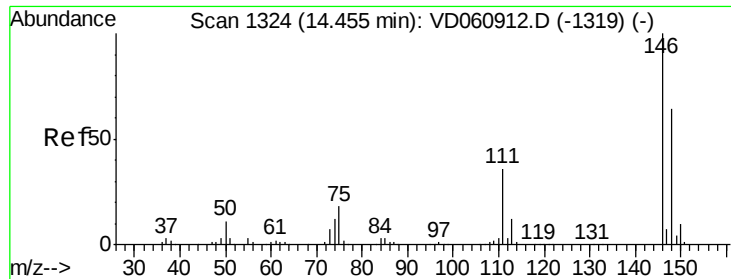


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 68.842 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:146 Resp: 1086171

Ion Ratio Lower Upper

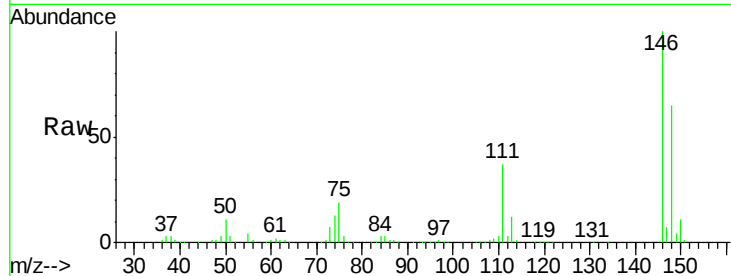
146 100

111 36.5 15.9 47.6

148 64.9 32.4 97.0

Manual Integrations
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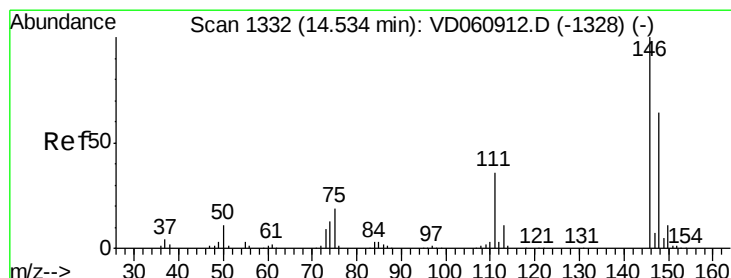
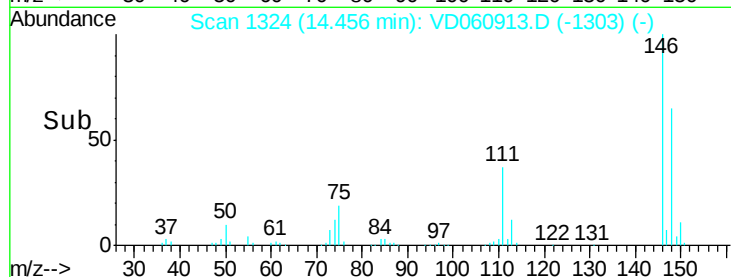
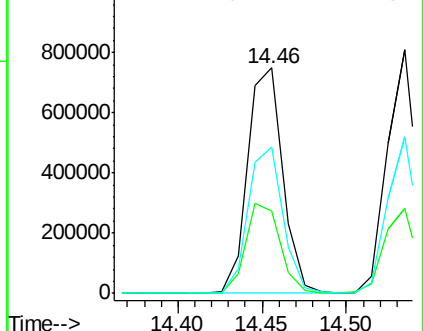
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3/6/2019 5:33:08 AM



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 67.581 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD060913.D

Acq: 1 Mar 2019 17:03

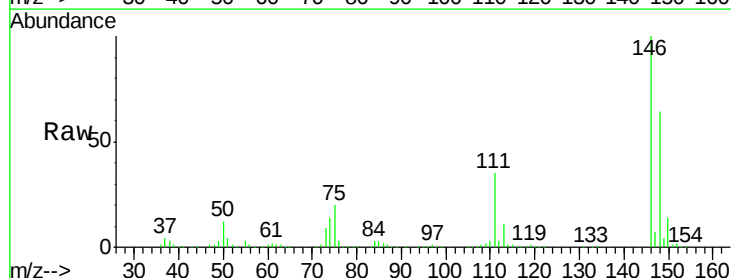
Tgt Ion:146 Resp: 1029799

Ion Ratio Lower Upper

146 100

111 34.8 15.9 47.7

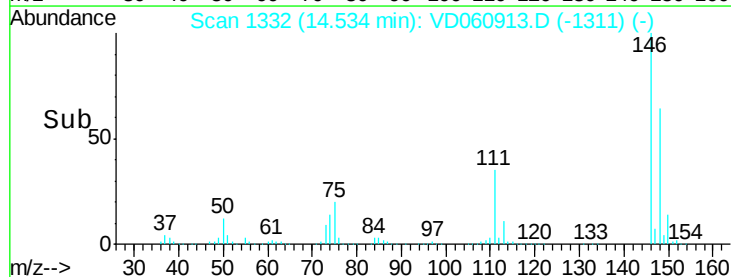
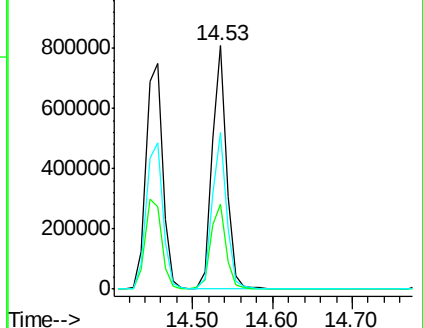
148 64.3 32.6 97.8

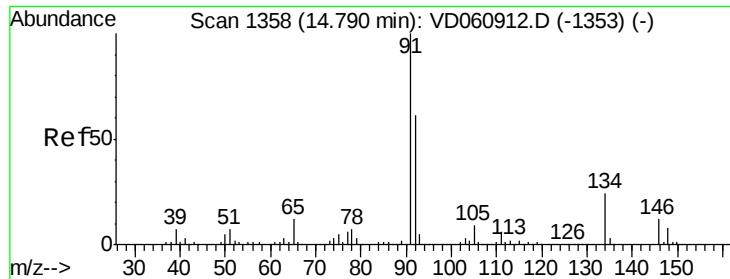


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





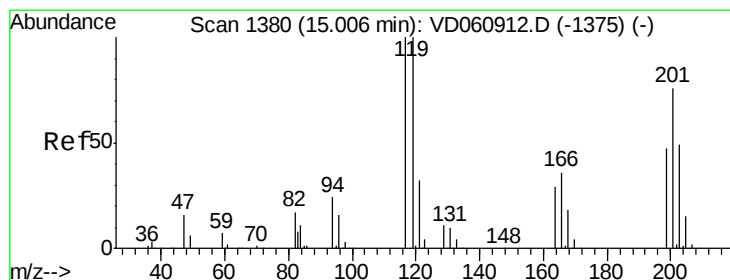
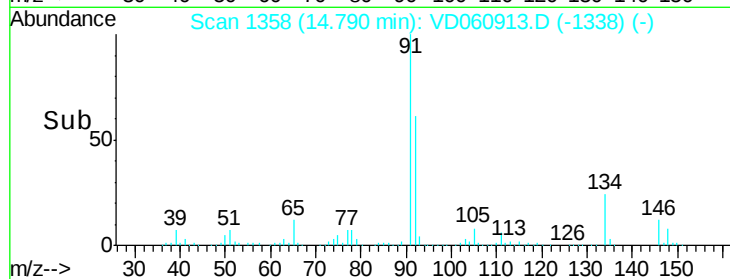
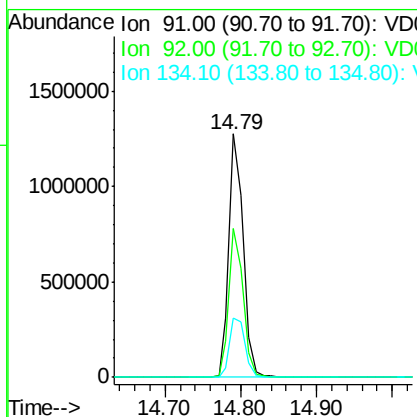
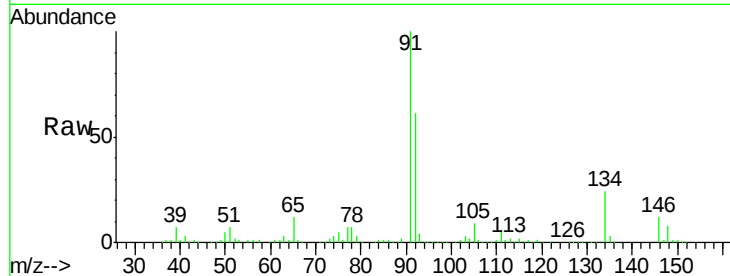
#89
n-Butylbenzene
Concen: 67.468 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1667041
Ion Ratio Lower Upper
91 100
92 61.1 30.4 91.2
134 24.2 14.1 42.2

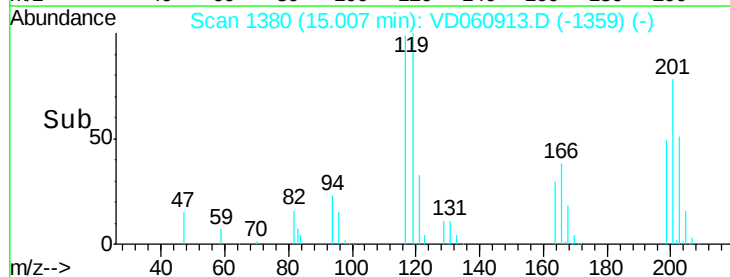
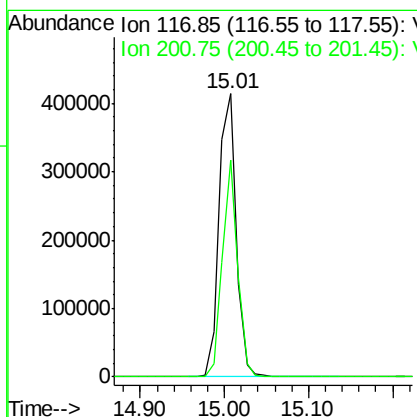
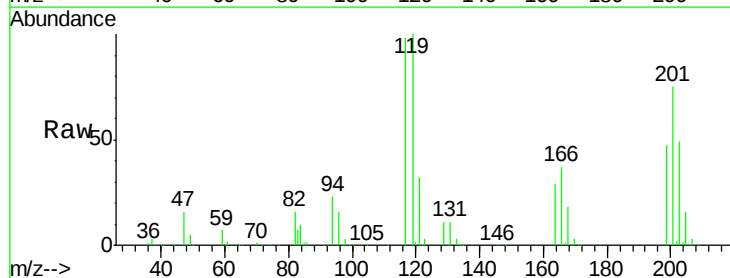
Manual Integrations
APPROVED

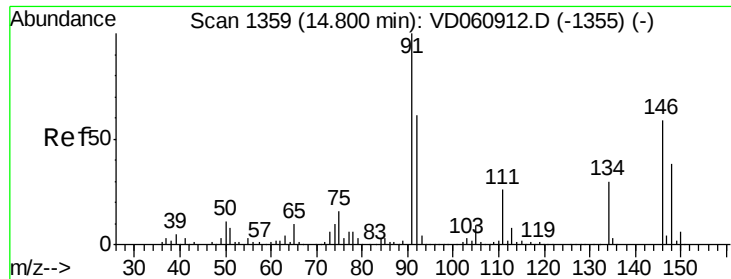
MMDadoda
3/6/2019 5:33:08 AM



#90
Hexachloroethane
Concen: 86.778 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion: 117 Resp: 587269
Ion Ratio Lower Upper
117 100
201 76.7 41.4 124.4





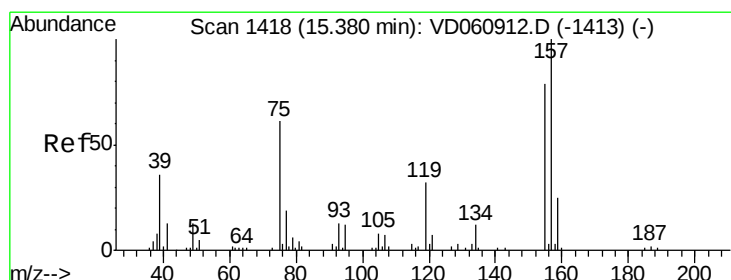
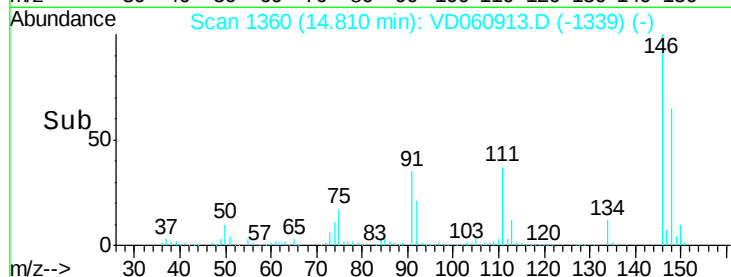
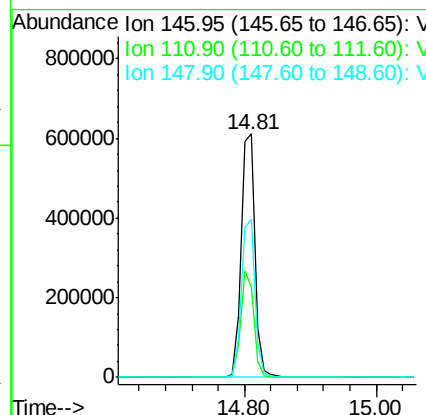
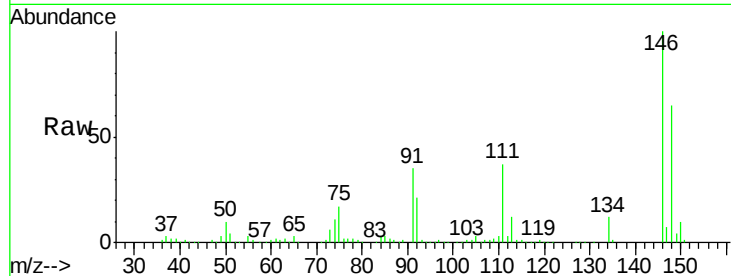
#91
 1,2-Dichlorobenzene
 Concen: 68.457 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	16.7	50.1
148	64.8	32.6	97.8

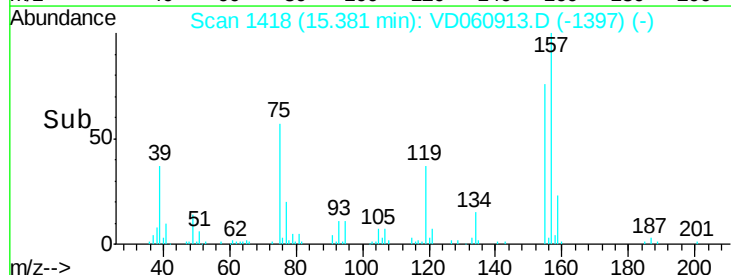
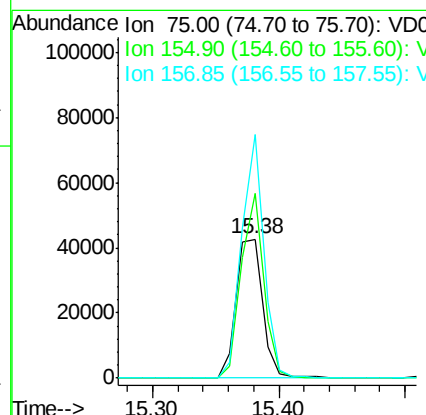
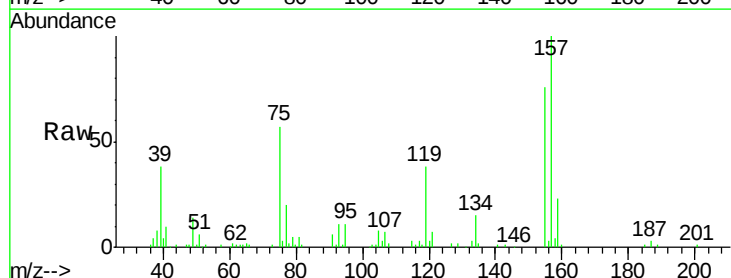
Manual Integrations
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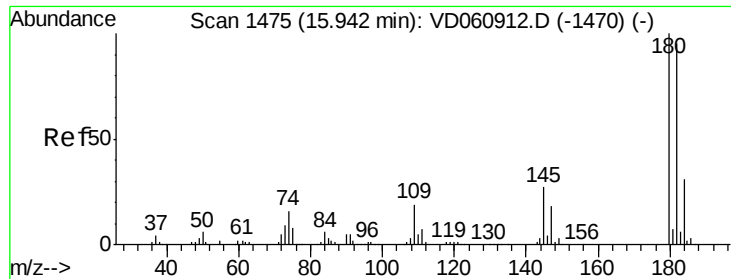
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 3/6/2019 5:33:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.645 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	133.3	58.6	175.8
157	175.6	75.1	225.3





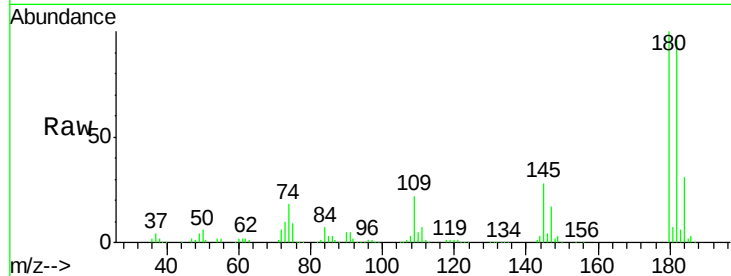
#93
 1,2,4-Trichlorobenzene
 Concen: 58.911 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

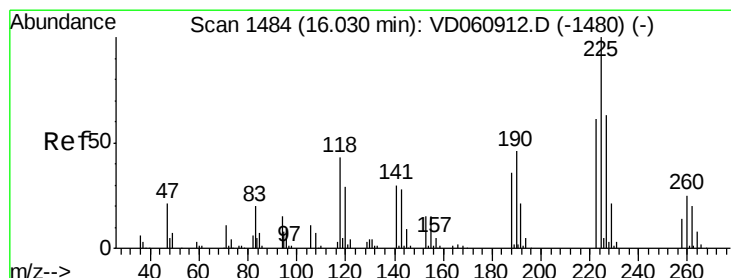
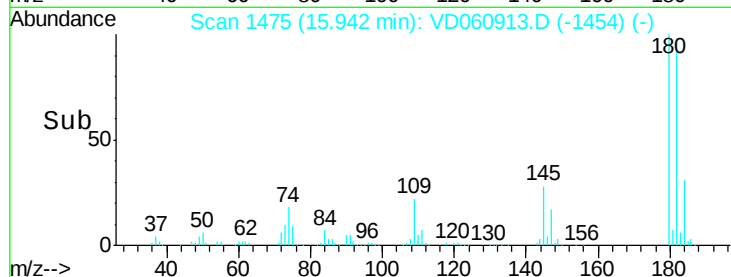
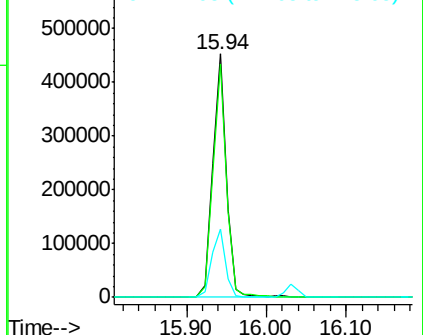
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.6
145	27.9	14.3	42.9

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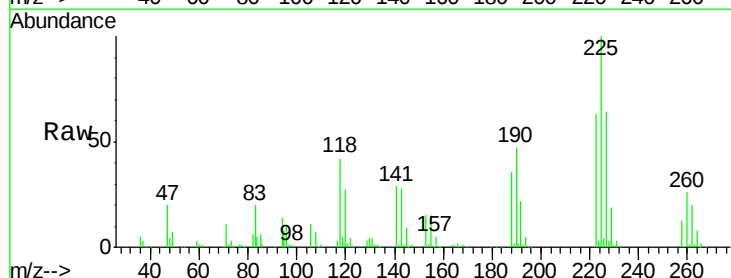


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

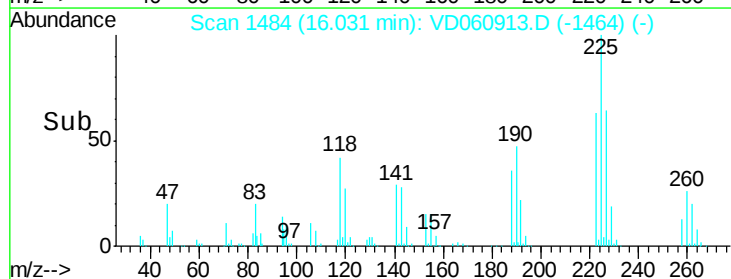
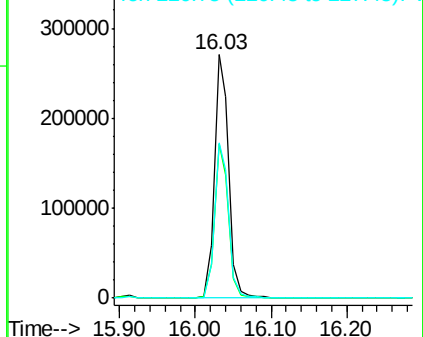


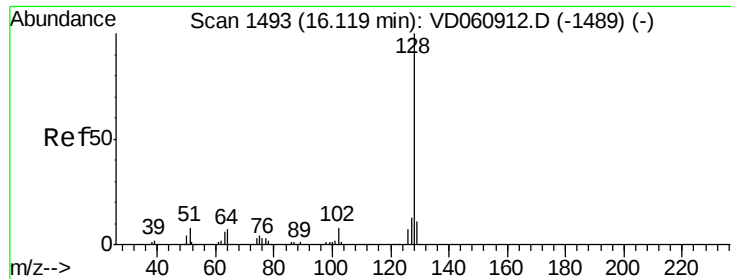
#94
 Hexachlorobutadiene
 Concen: 65.010 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD060913.D
 Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.6	91.6
227	63.7	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





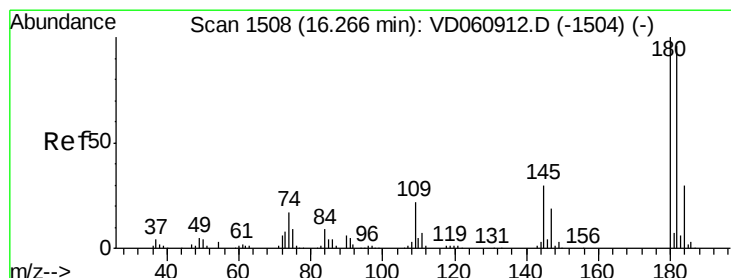
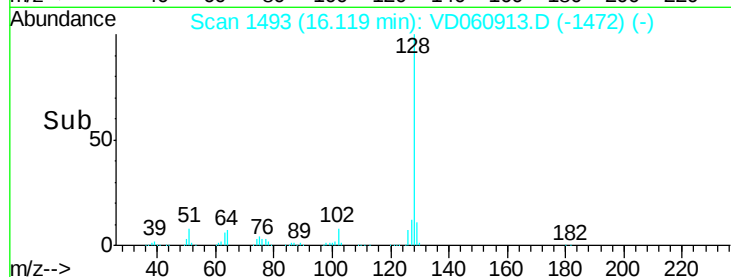
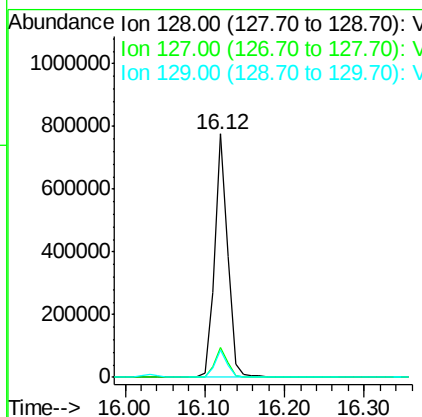
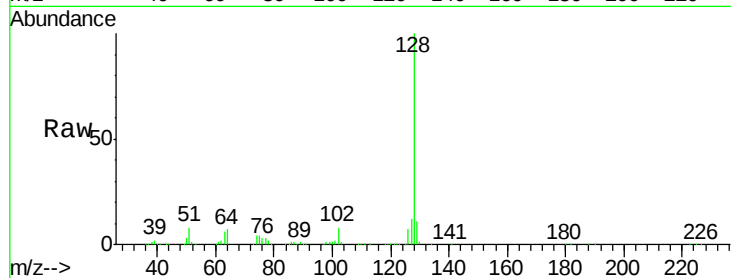
#95
Naphthalene
Concen: 64.258 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	900658		
127	12.1		9.7	14.5
129	11.4		9.0	13.4

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#96
1,2,3-Trichlorobenzene
Concen: 39.281 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD060913.D
Acq: 1 Mar 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	280837		
182	94.5		47.9	143.8
145	29.6		12.9	38.7

