

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061792.D
 Acq On : 12 Apr 2019 23:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:32:01 AM

Quant Time: Apr 12 23:43:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	509839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	805227	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	711023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	329874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	200651	51.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	6.90	113	295468	52.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	10.40	98	638349	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
62) 4-Bromofluorobenzene	13.55	95	250016	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	263546	47.915	ug/l	99
3) Chloromethane	1.74	50	212013	47.699	ug/l	98
4) Vinyl Chloride	1.83	62	196408	47.289	ug/l	98
5) Bromomethane	2.14	94	52695	54.815	ug/l	98
6) Chloroethane	2.25	64	78497	60.341	ug/l	98
7) Trichlorofluoromethane	2.51	101	327833	52.277	ug/l	99
8) Diethyl Ether	2.86	74	93710	53.246	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	294744	47.806	ug/l	96
10) Methyl Iodide	3.29	142	461524	50.183	ug/l	98
11) Tert butyl alcohol	4.03	59	74251	286.686	ug/l #	89
12) 1,1-Dichloroethene	3.11	96	238708	44.912	ug/l	95
13) Acrolein	3.02	56	79252	250.977	ug/l	90
14) Allyl chloride	3.61	41	355966	49.104	ug/l	97
15) Acrylonitrile	4.17	53	238126	267.090	ug/l	100
16) Acetone	3.20	43	257108	222.558	ug/l	99
17) Carbon Disulfide	3.36	76	757033	43.835	ug/l	99
18) Methyl Acetate	3.62	43	123241	56.701	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	532752	57.889	ug/l	99
20) Methylene Chloride	3.79	84	313926	47.888	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	285425	49.444	ug/l	96
22) Diisopropyl ether	5.10	45	795089	52.313	ug/l	96
23) Vinyl Acetate	5.03	43	2282897	272.215	ug/l	99
24) 1,1-Dichloroethane	4.97	63	486448	52.230	ug/l	100
25) 2-Butanone	6.05	43	363692	273.083	ug/l	100
26) 2,2-Dichloropropane	6.00	77	387895	51.149	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	340496	55.290	ug/l	95
28) Bromochloromethane	6.41	49	193608	56.352	ug/l	91
29) Tetrahydrofuran	6.43	42	177017	275.339	ug/l	98
30) Chloroform	6.65	83	550676	56.440	ug/l	99
31) Cyclohexane	6.93	56	343203	47.169	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	459419	53.732	ug/l	97
36) 1,1-Dichloropropene	7.13	75	391562	55.563	ug/l	98
37) Ethyl Acetate	6.16	43	167238	58.263	ug/l	97
38) Carbon Tetrachloride	7.09	117	474583m	57.460	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	371561	51.355	ug/l	96
40) Benzene	7.44	78	944888	55.578	ug/l	99
41) Methacrylonitrile	6.41	41	206238	61.548	ug/l #	94
42) 1,2-Dichloroethane	7.56	62	325816	60.937	ug/l	99
43) Isopropyl Acetate	9.22	43	253320	60.809	ug/l #	98
44) Trichloroethene	8.52	130	370019	56.771	ug/l	99
45) 1,2-Dichloropropane	8.92	63	250900	59.508	ug/l	99
46) Dibromomethane	9.05	93	182076	60.424	ug/l	100
47) Bromodichloromethane	9.36	83	406495	61.421	ug/l	98
48) Methyl methacrylate	9.10	41	136507	56.846	ug/l	97
49) 1,4-Dioxane	9.06	88	30522	1151.527	ug/l #	90
51) 4-Methyl-2-Pentanone	10.29	43	787294	319.563	ug/l	99
52) Toluene	10.50	92	586007	55.199	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	340344	58.667	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	408829	57.168	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	200988	56.133	ug/l	97
56) Ethyl methacrylate	11.03	69	238084	63.031	ug/l	98
57) 1,3-Dichloropropane	11.39	76	310457	59.207	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	469082	263.192	ug/l	97
59) 2-Hexanone	11.52	43	533644	279.103	ug/l	97
60) Dibromochloromethane	11.68	129	356753	63.064	ug/l	99
61) 1,2-Dibromoethane	11.80	107	248609	59.371	ug/l	99
64) Tetrachloroethene	11.25	164	283198	51.311	ug/l	99
65) Chlorobenzene	12.39	112	738902	52.403	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	308587	56.873	ug/l	98
67) Ethyl Benzene	12.52	91	1112708	51.821	ug/l	99
68) m/p-Xylenes	12.65	106	853846	103.147	ug/l	97
69) o-Xylene	13.04	106	373354	46.723	ug/l	96
70) Styrene	13.07	104	695550	50.969	ug/l	99
71) Bromoform	13.22	173	187893	55.812	ug/l	99
73) Isopropylbenzene	13.39	105	1130550	51.436	ug/l	99
74) N-amyl acetate	13.25	43	314279	52.625	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	231866	51.019	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	231065	51.486	ug/l	97
77) Bromobenzene	13.67	156	318760	49.963	ug/l	79
78) n-propylbenzene	13.77	91	1236935	47.045	ug/l	99
79) 2-Chlorotoluene	13.83	91	762470	50.712	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	974184	55.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	75006	55.075	ug/l	96
82) 4-Chlorotoluene	13.94	91	922708	56.005	ug/l	98
83) tert-Butylbenzene	14.19	119	1180029	56.100	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	918747	52.180	ug/l	100
85) sec-Butylbenzene	14.36	105	1125406	49.521	ug/l	99
86) p-Isopropyltoluene	14.48	119	973888	49.399	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	529611	48.235	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	588758	53.143	ug/l	97
89) n-Butylbenzene	14.79	91	836233	48.800	ug/l	99
90) Hexachloroethane	15.01	117	299255	55.942	ug/l	65
91) 1,2-Dichlorobenzene	14.80	146	449939	49.721	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	33344	60.799	ug/l	91

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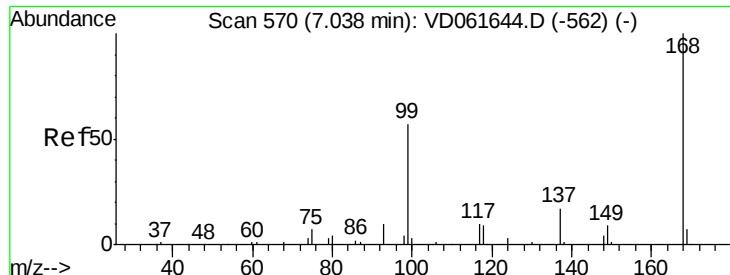
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	280548	60.851	ug/l	96
94) Hexachlorobutadiene	16.03	225	194196	54.550	ug/l	99
95) Naphthalene	16.12	128	463323	63.512	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	179776	78.131	ug/l	99

(#) = 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: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 509839

Ion Ratio Lower Upper

168 100

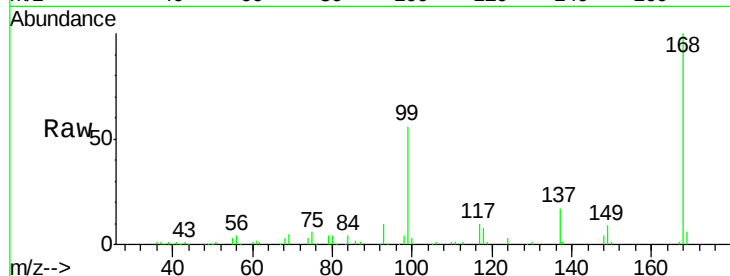
99 56.4 46.8 70.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

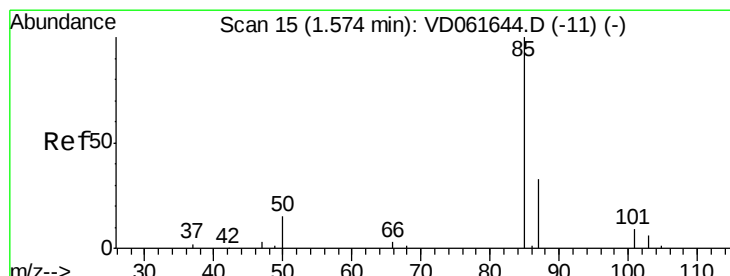
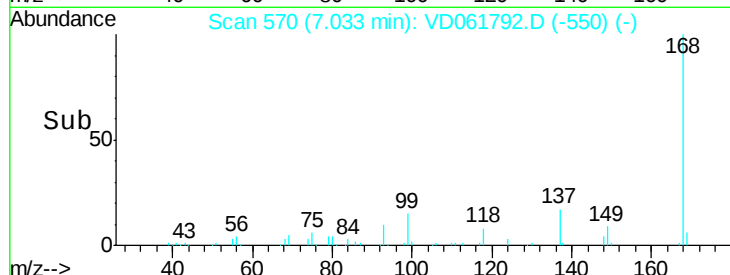
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 47.915 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061792.D

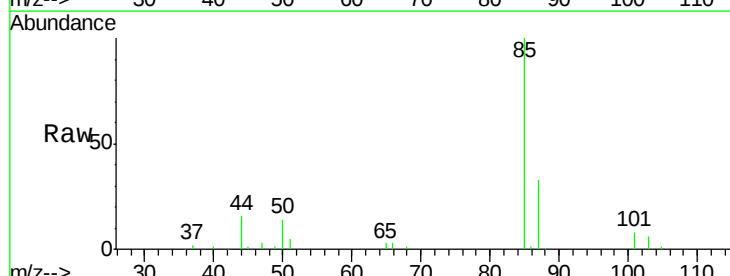
Acq: 12 Apr 2019 23:17

Tgt Ion: 85 Resp: 263546

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

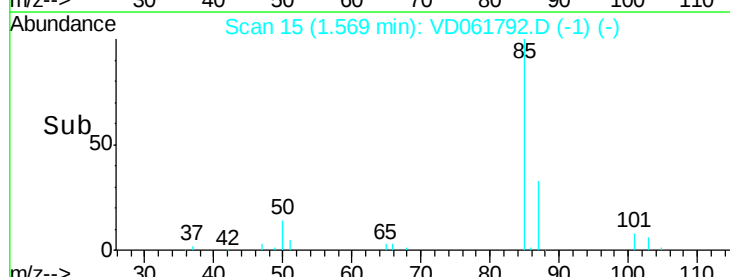
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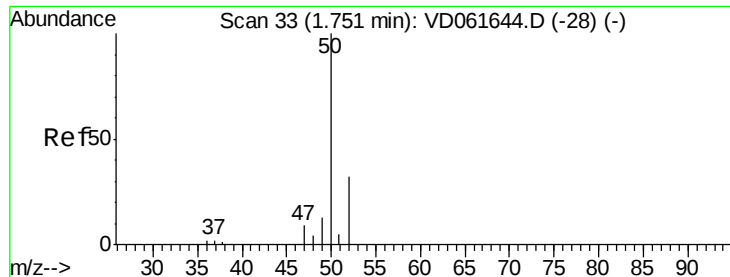
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.699 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 212013

Ion Ratio Lower Upper

50 100

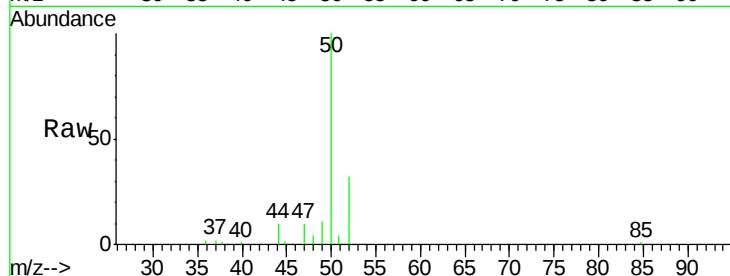
52 32.4 25.1 37.7

Manual Integrations

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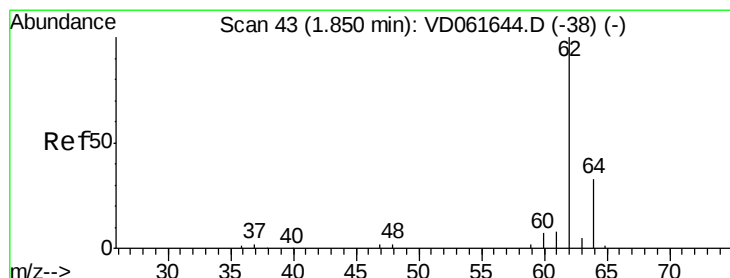
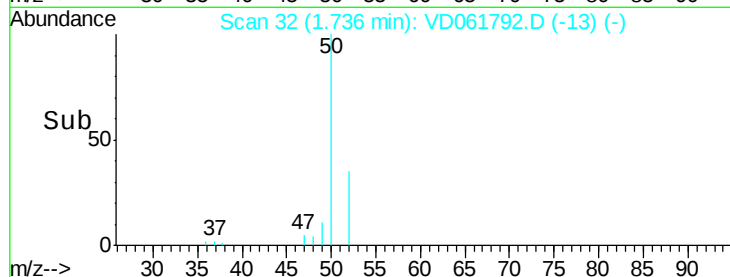
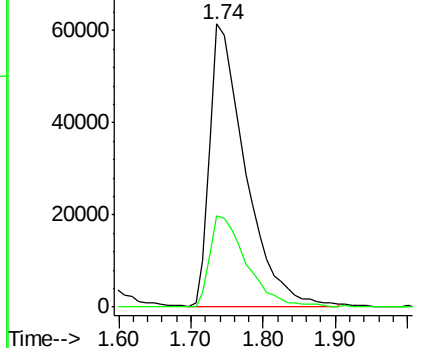
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.289 ug/l

RT: 1.83 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD061792.D

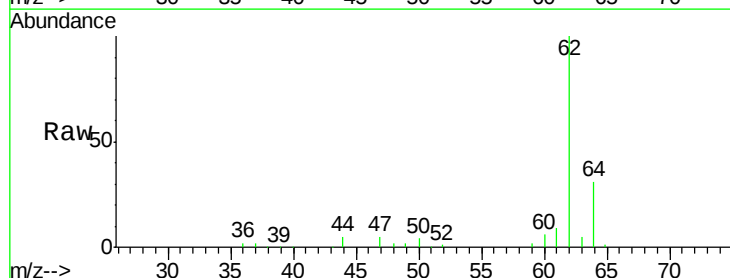
Acq: 12 Apr 2019 23:17

Tgt Ion: 62 Resp: 196408

Ion Ratio Lower Upper

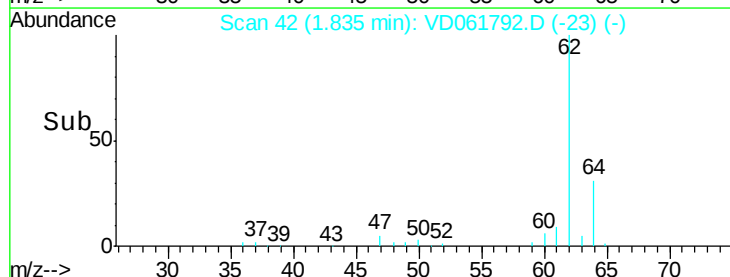
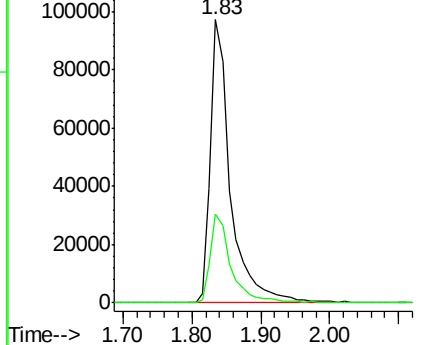
62 100

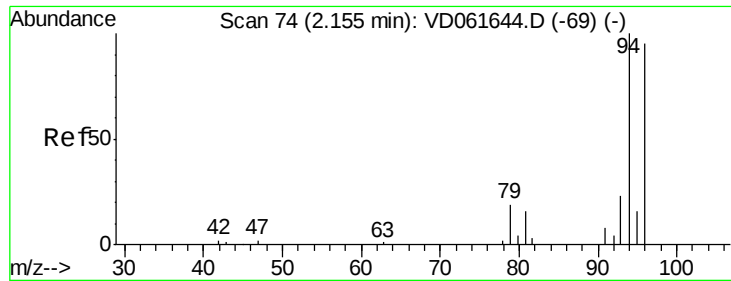
64 31.4 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 54.815 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 52695

Ion Ratio Lower Upper

94 100

96 93.5 75.8 113.8

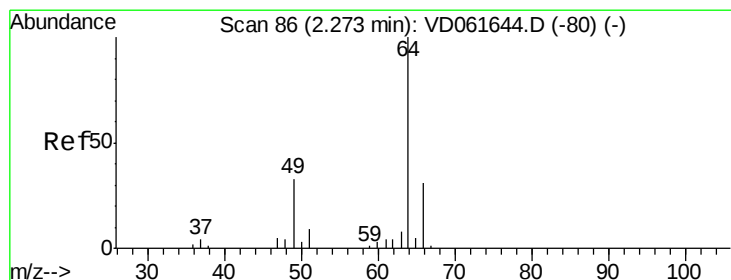
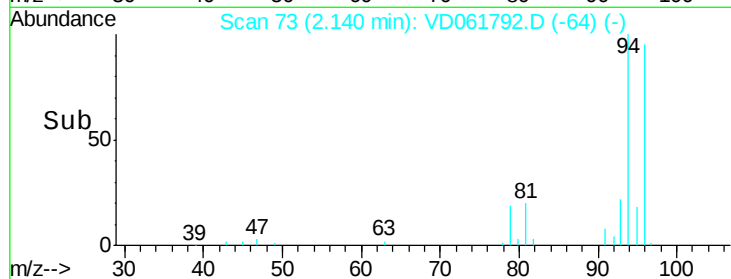
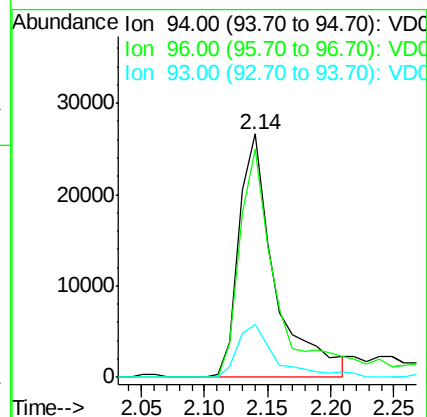
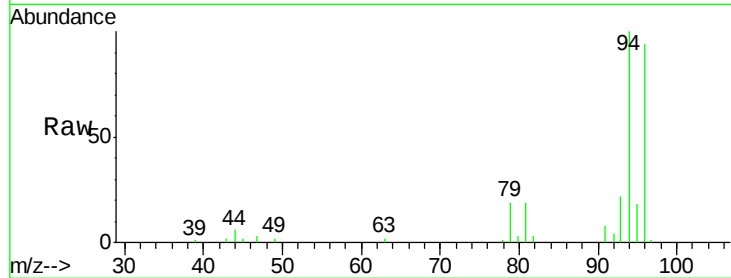
93 21.6 18.6 28.0

Manual Integrations

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4/15/2019 12:32:01 AM



#6

Chloroethane

Concen: 60.341 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD061792.D

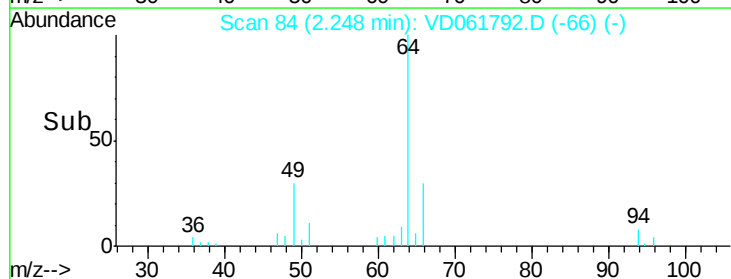
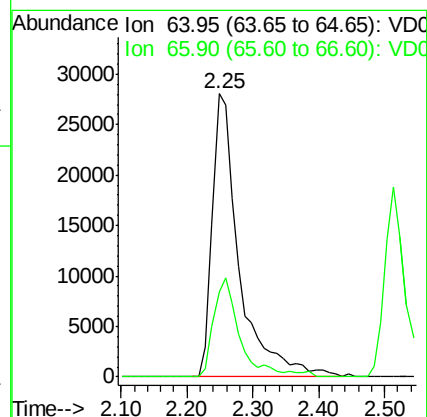
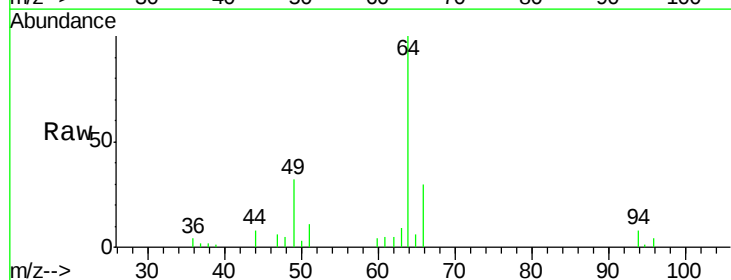
Acq: 12 Apr 2019 23:17

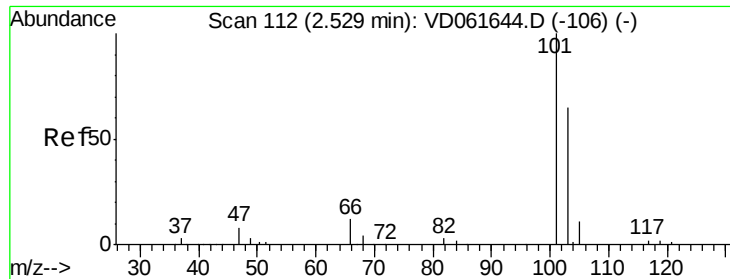
Tgt Ion: 64 Resp: 78497

Ion Ratio Lower Upper

64 100

66 29.9 24.9 37.3





#7

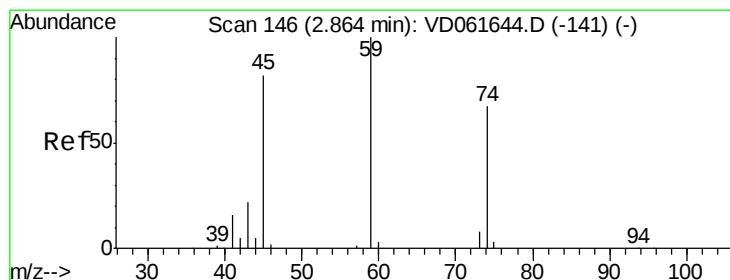
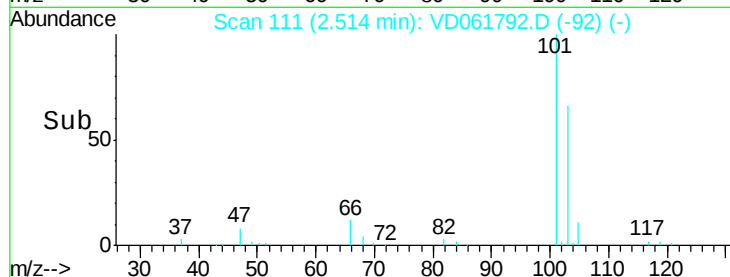
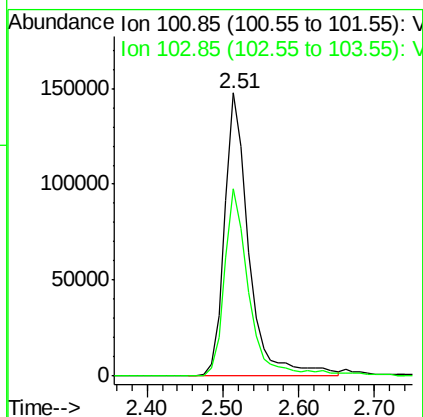
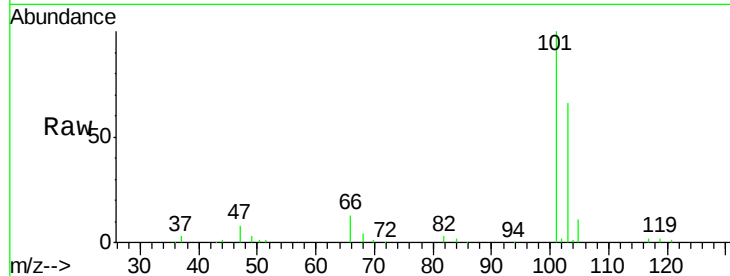
Trichlorofluoromethane
 Concen: 52.277 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

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 VSTDCCC050

Tot Ion:101 Resp: 327833
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.0 78.0

Manual Integrations
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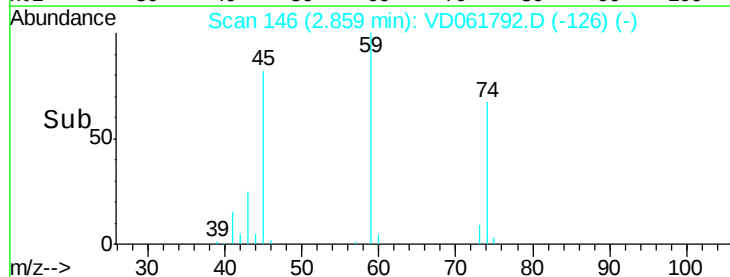
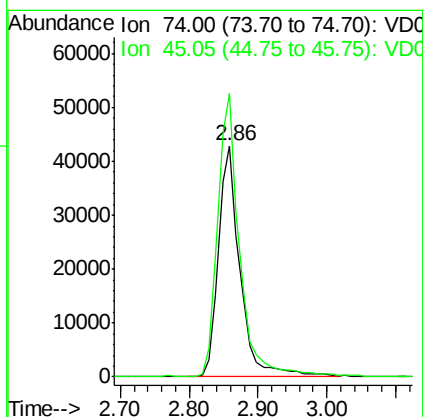
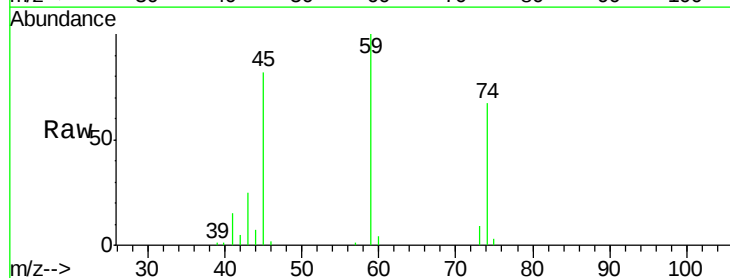
MMDadoda
 4/15/2019 12:32:01 AM

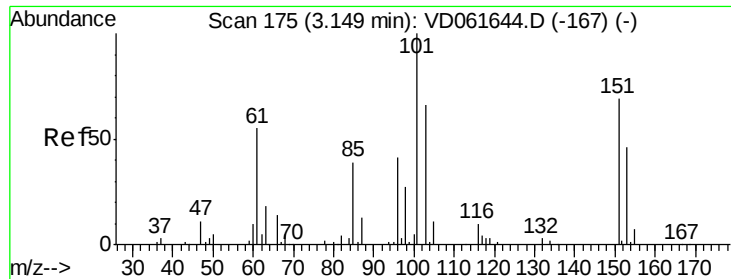


#8

Diethyl Ether
 Concen: 53.246 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 74 Resp: 93710
 Ion Ratio Lower Upper
 74 100
 45 122.6 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.806 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

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MSVOA_D

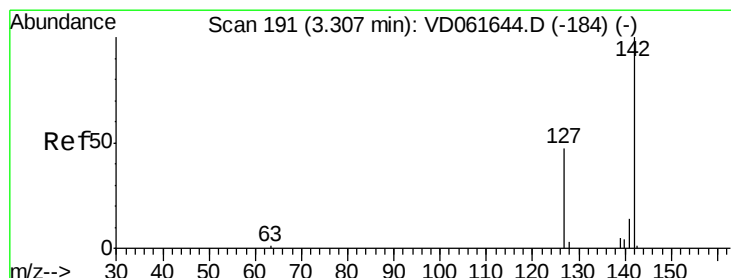
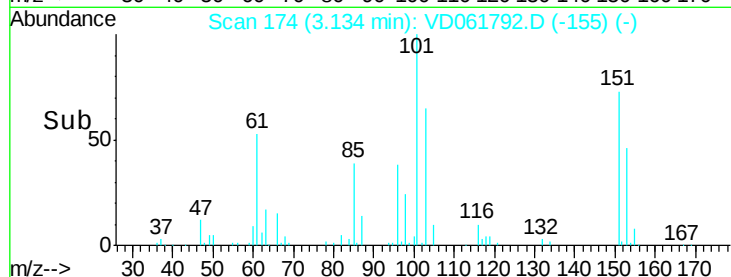
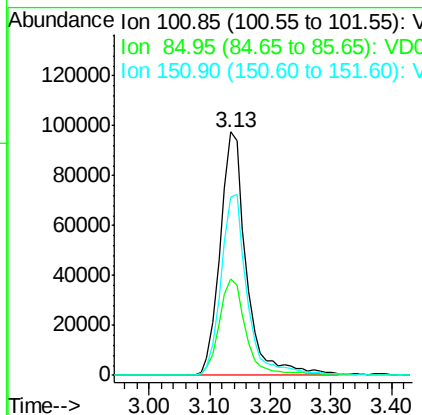
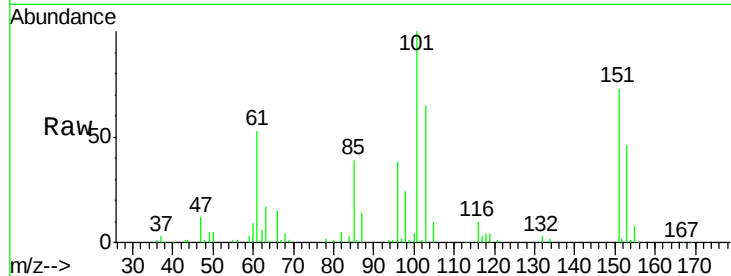
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	294744
Ion Ratio	Lower	Upper	
101	100		
85	39.5	31.0	46.6
151	73.1	55.3	82.9

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#10

Methyl Iodide

Concen: 50.183 ug/l

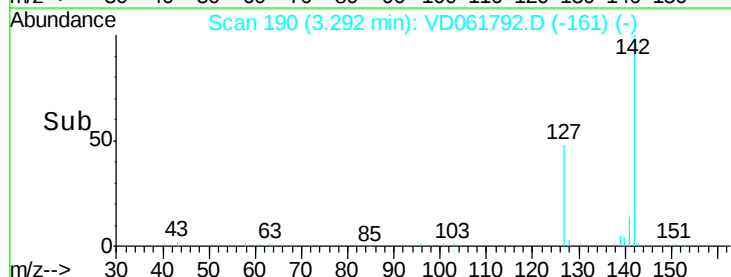
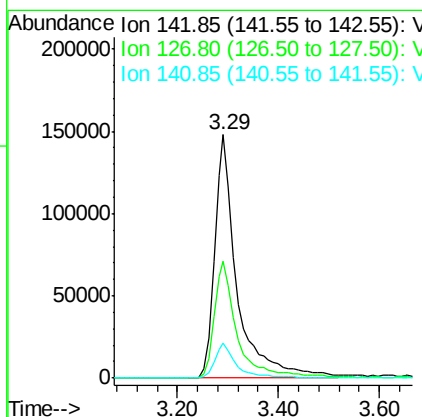
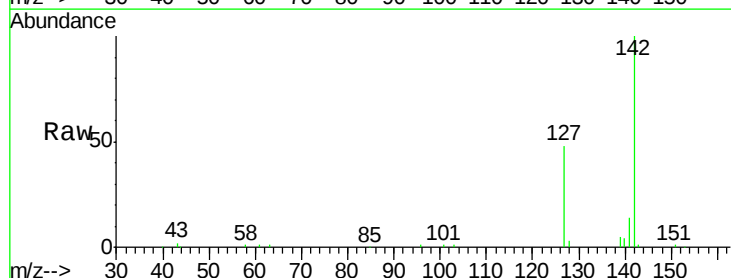
RT: 3.29 min Scan# 190

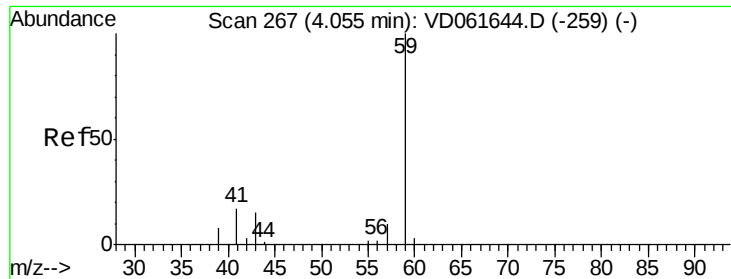
Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Tgt Ion:	142	Resp:	461524
Ion Ratio	Lower	Upper	
142	100		
127	47.9	37.2	55.8
141	14.5	10.8	16.2





#11

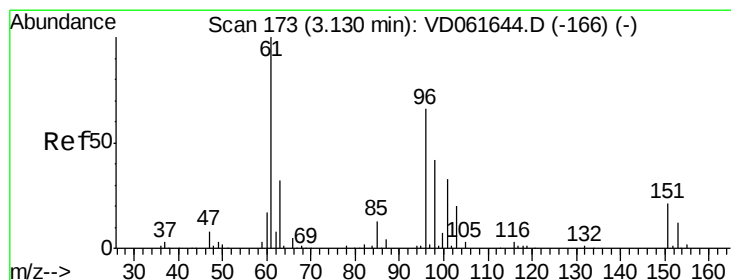
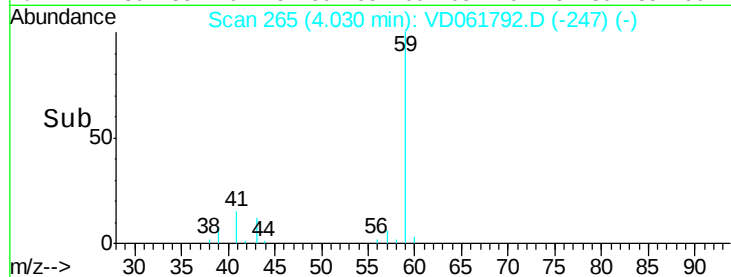
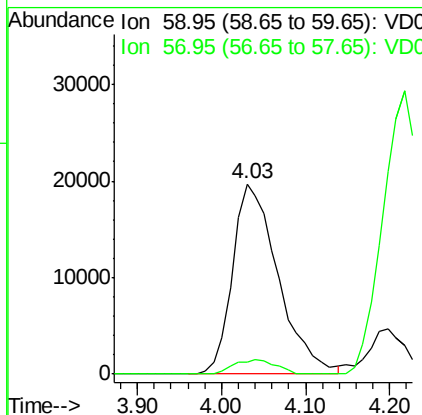
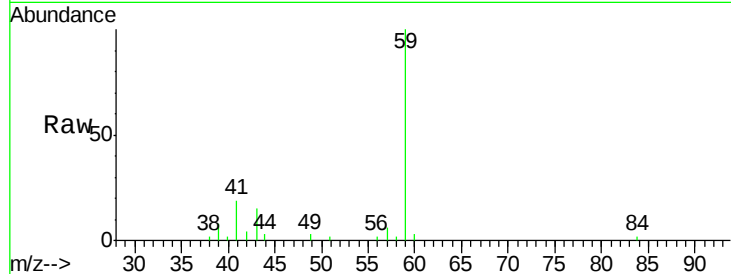
Tert butyl alcohol
Concen: 286.686 ug/l
RT: 4.03 min Scan# 265
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 74251
Ion Ratio Lower Upper
59 100
57 6.4 8.4 12.6#

Manual Integrations
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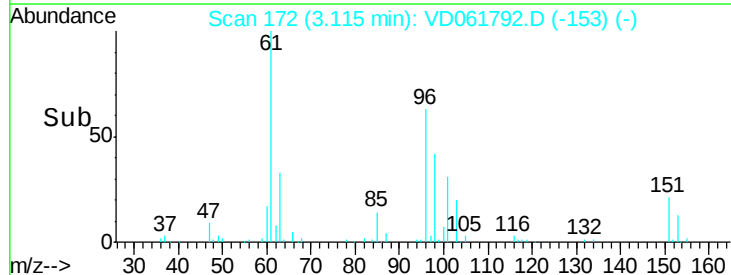
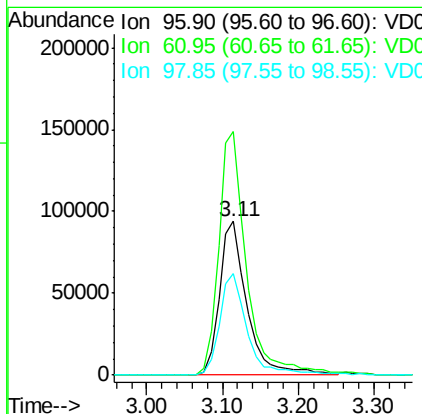
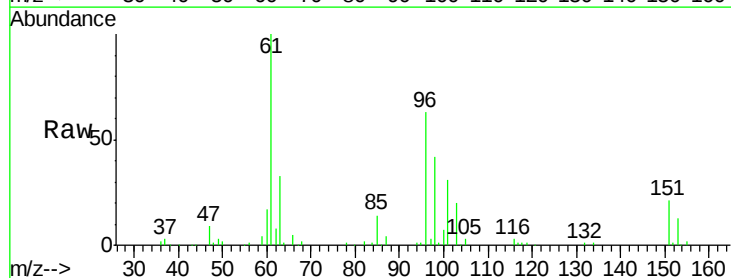
MMDadoda
4/15/2019 12:32:01 AM

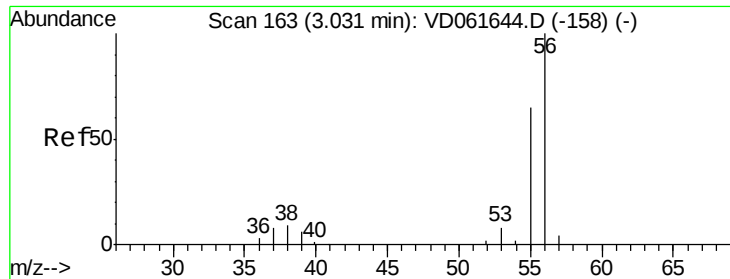


#12

1,1-Dichloroethene
Concen: 44.912 ug/l
RT: 3.11 min Scan# 172
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 96 Resp: 238708
Ion Ratio Lower Upper
96 100
61 158.3 121.3 181.9
98 65.9 50.6 76.0





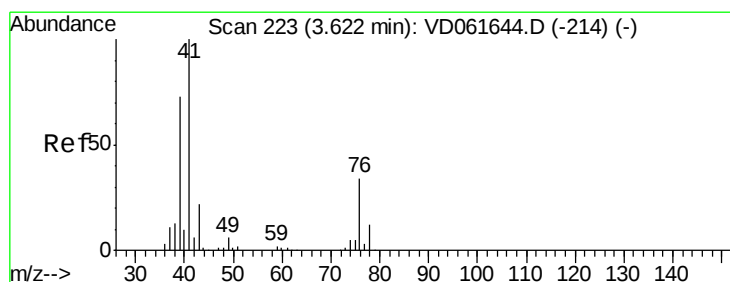
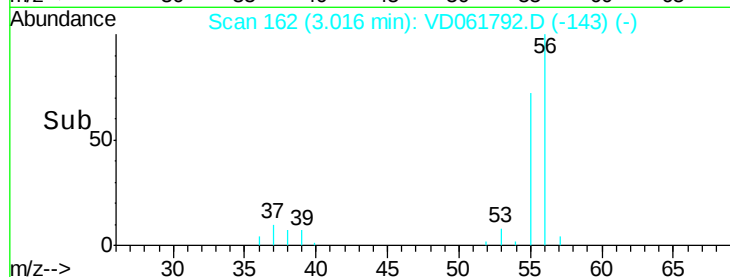
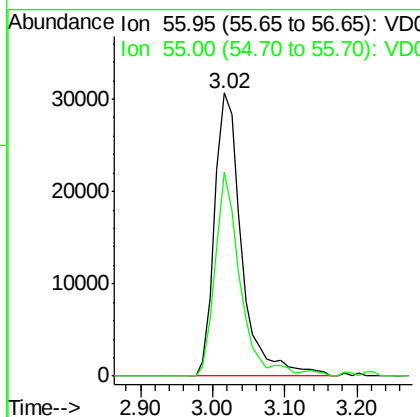
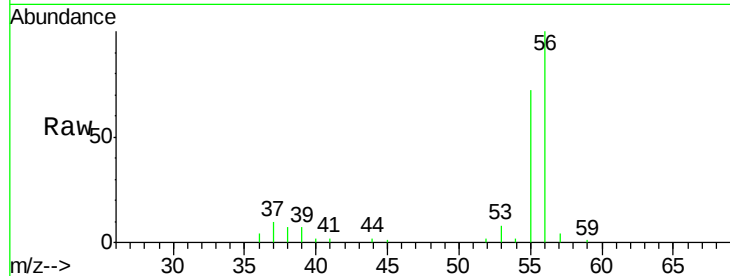
#13
Acrolein
Concen: 250.977 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 79252
Ion Ratio Lower Upper
56 100
55 72.3 51.8 77.6

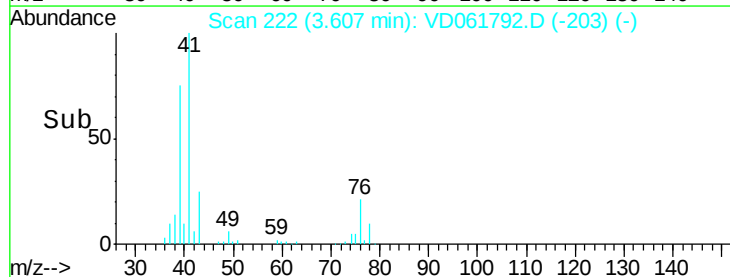
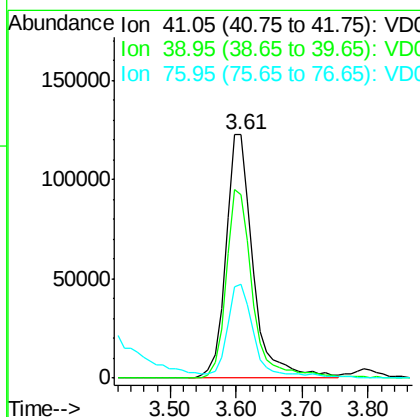
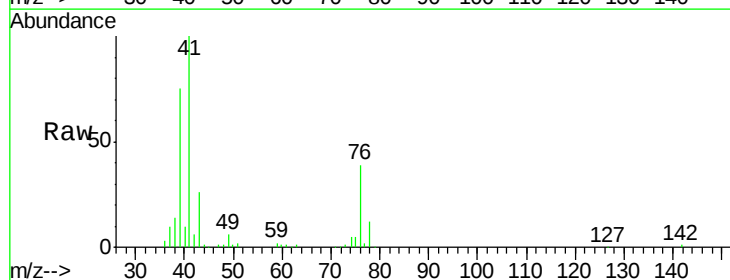
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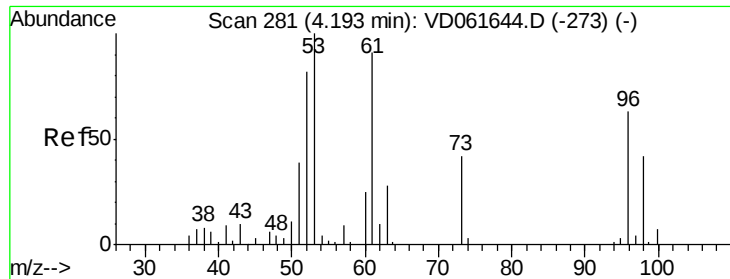
MMDadoda
4/15/2019 12:32:01 AM



#14
Allyl chloride
Concen: 49.104 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 41 Resp: 355966
Ion Ratio Lower Upper
41 100
39 75.5 58.2 87.4
76 38.7 29.8 44.6





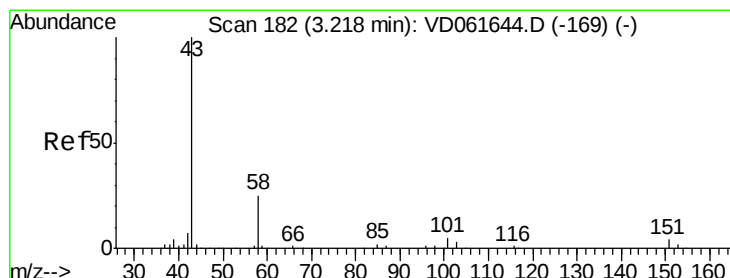
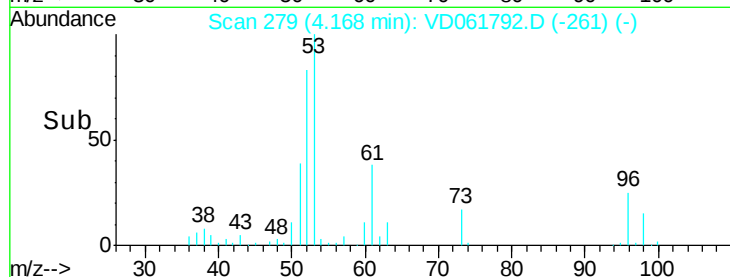
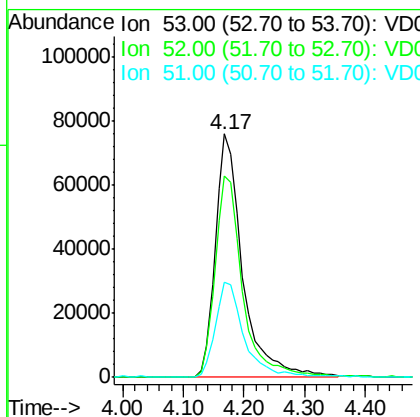
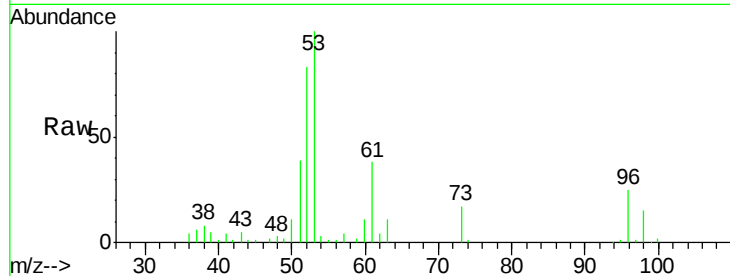
#15
Acrylonitrile
Concen: 267.090 ug/l
RT: 4.17 min Scan# 279
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
53	100	238126		
52	83.0		65.9	98.9
51	39.2		31.4	47.2

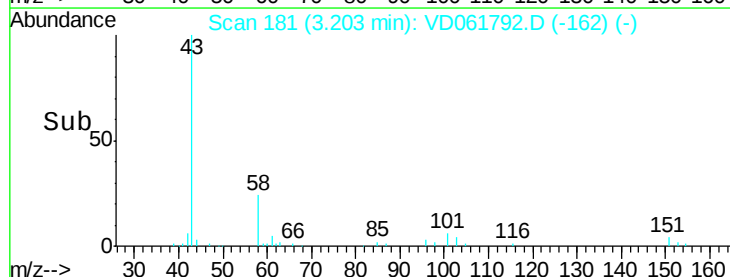
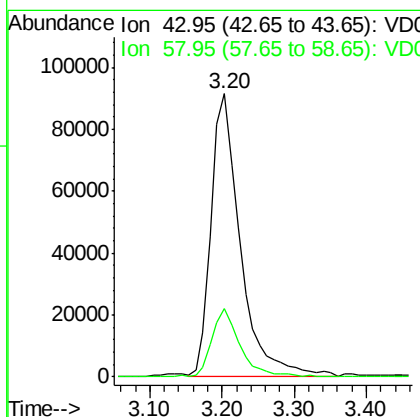
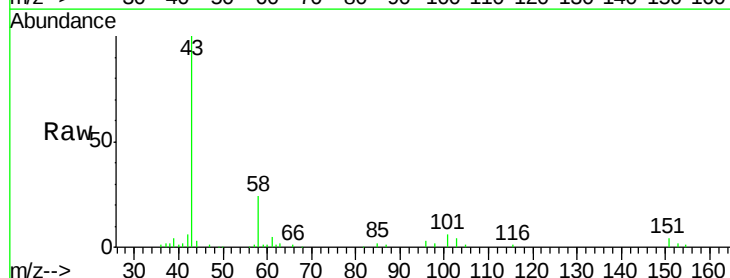
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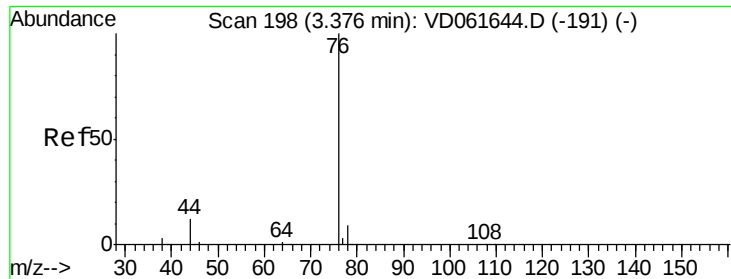
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4/15/2019 12:32:01 AM



#16
Acetone
Concen: 222.558 ug/l
RT: 3.20 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	257108		
58	24.1		19.7	29.5





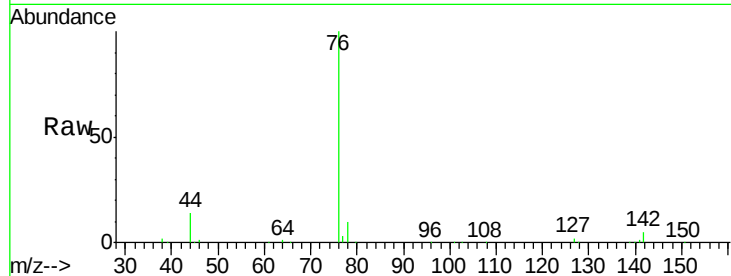
#17
Carbon Disulfide
Concen: 43.835 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

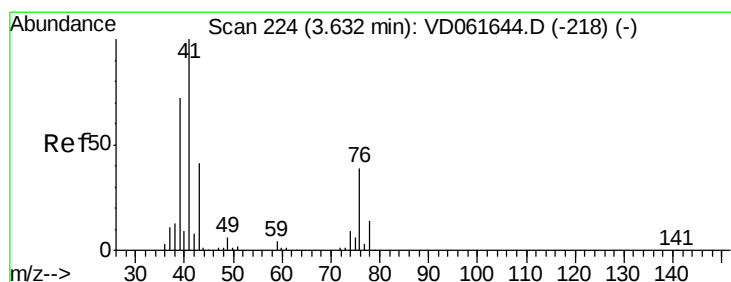
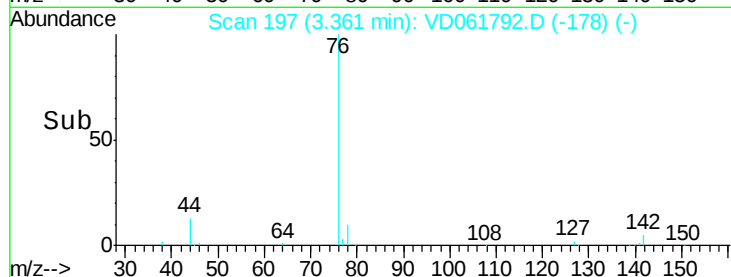
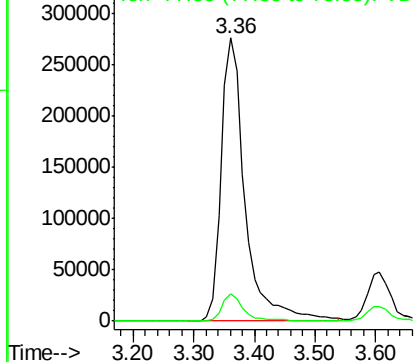
Tot Ion: 76 Resp: 757033
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

Manual Integrations
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4/15/2019 12:32:01 AM

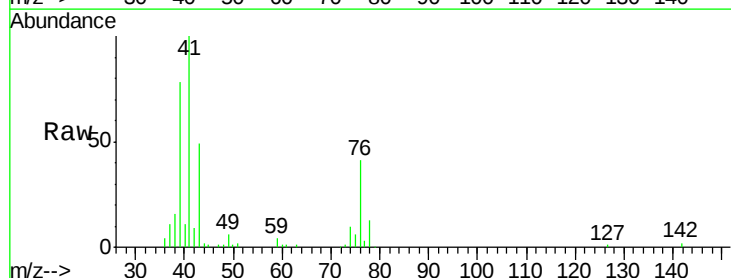


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

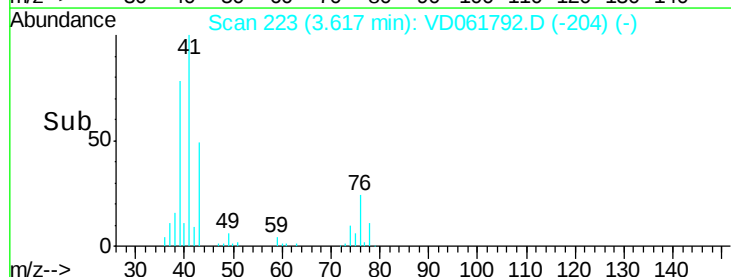
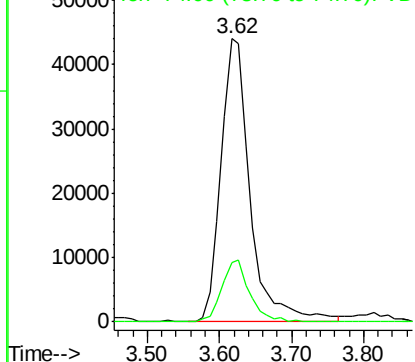


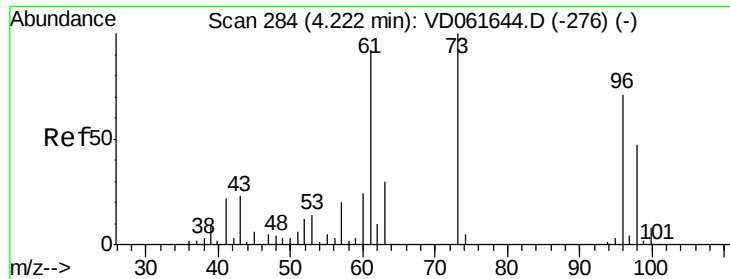
#18
Methyl Acetate
Concen: 56.701 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 43 Resp: 123241
Ion Ratio Lower Upper
43 100
74 21.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





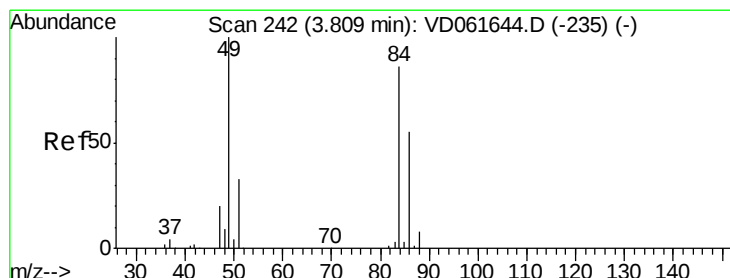
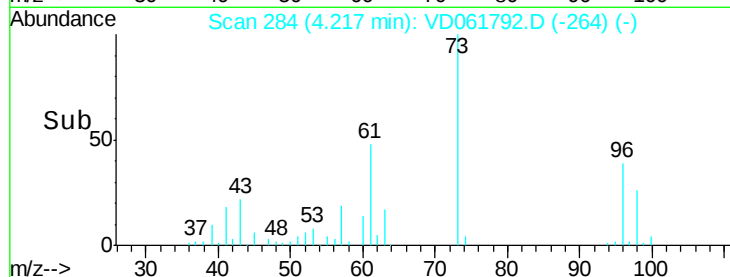
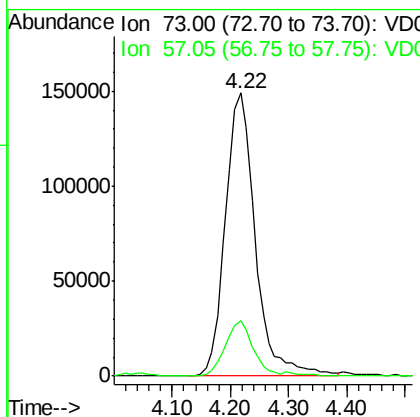
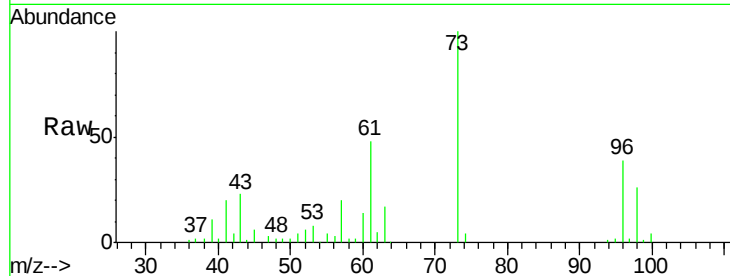
#19
Methvl tert-butvl Ether
Concen: 57.889 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 532752
Ion Ratio Lower Upper
73 100
57 19.7 16.0 24.0

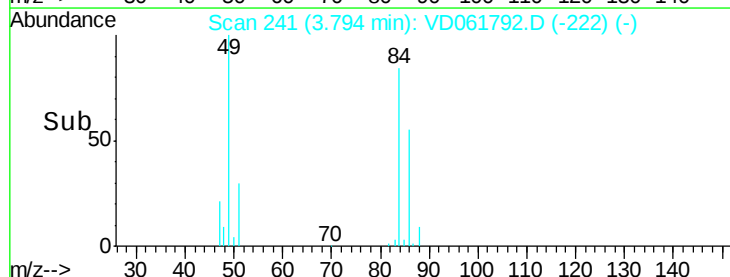
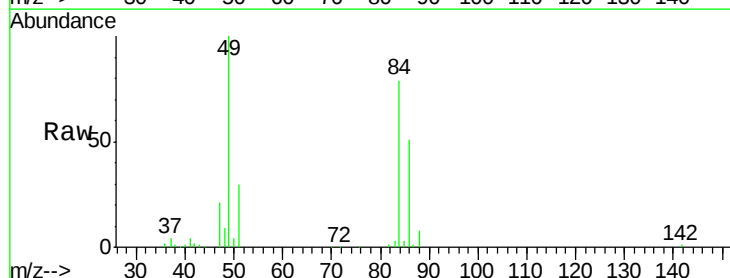
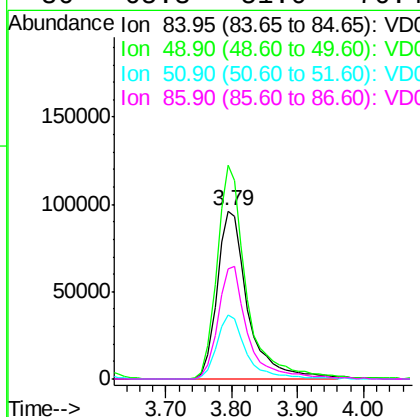
Manual Integrations
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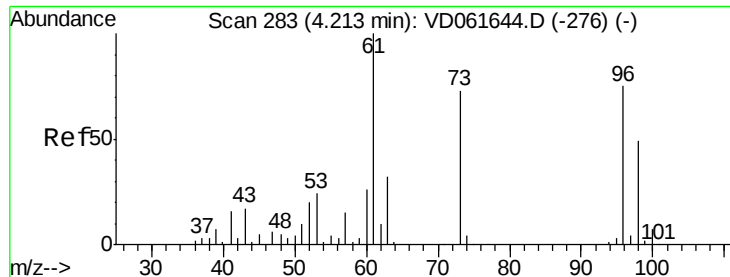
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4/15/2019 12:32:01 AM



#20
Methylene Chloride
Concen: 47.888 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 84 Resp: 313926
Ion Ratio Lower Upper
84 100
49 126.9 93.0 139.4
51 37.8 30.4 45.6
86 65.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 49.444 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 285425

Ion Ratio Lower Upper

96 100

61 138.2 106.8 160.2

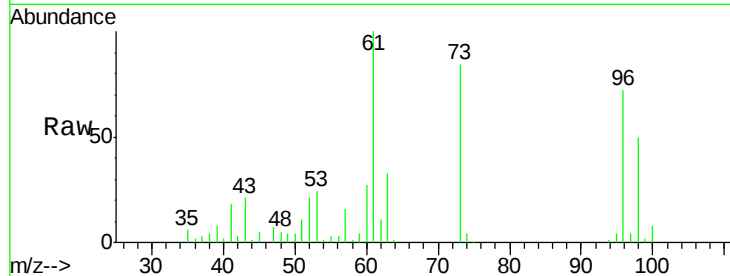
98 69.4 52.2 78.2

Manual Integrations

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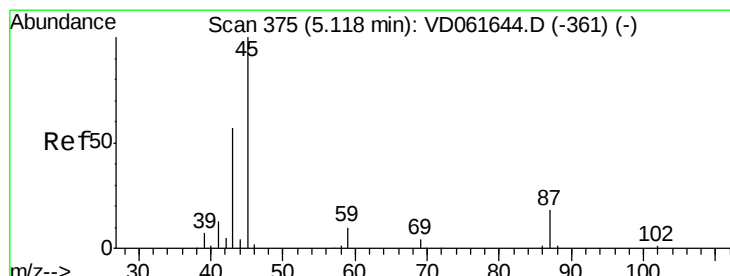
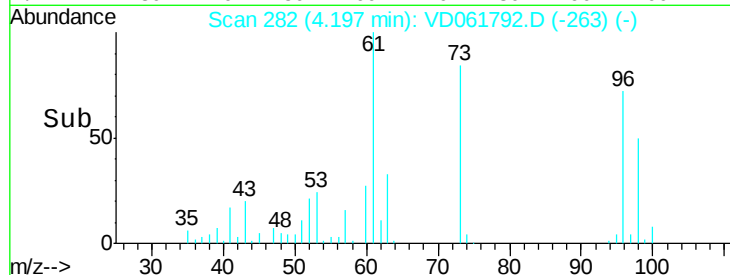
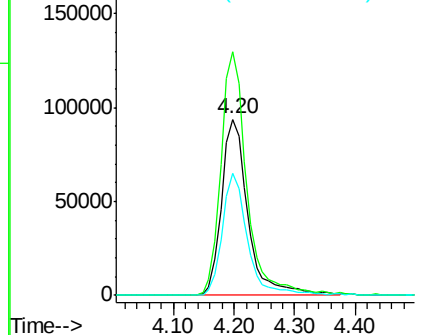
4/15/2019 12:32:01 AM



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: 52.313 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Tgt Ion: 45 Resp: 795089

Ion Ratio Lower Upper

45 100

43 54.8 46.6 70.0

87 20.9 15.6 23.4

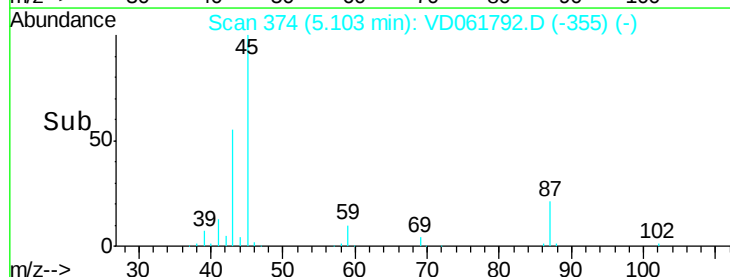
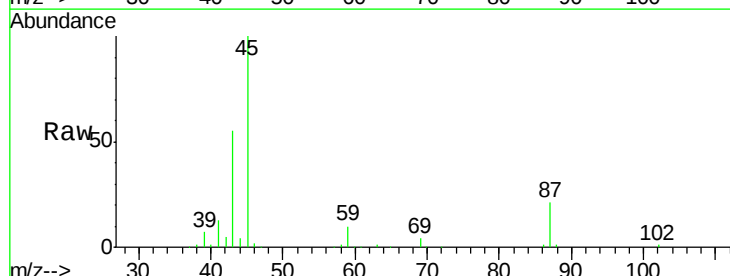
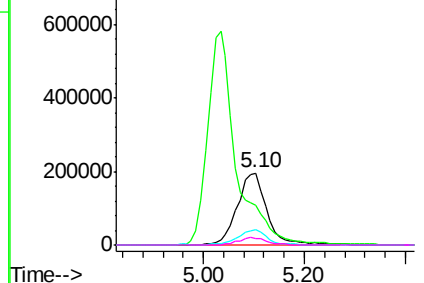
59 9.8 8.6 13.0

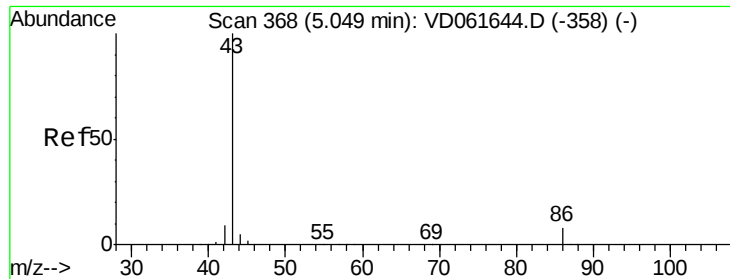
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 272.215 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2282897

Ion Ratio Lower Upper

43 100

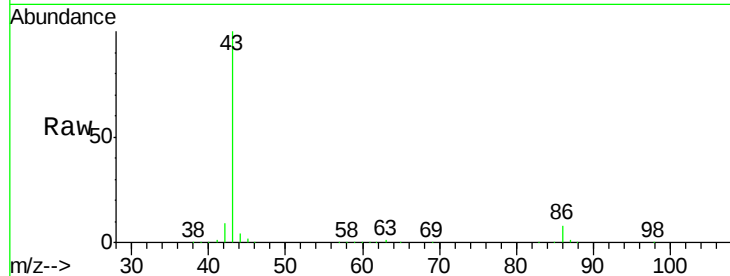
86 7.7 6.4 9.6

Manual Integrations

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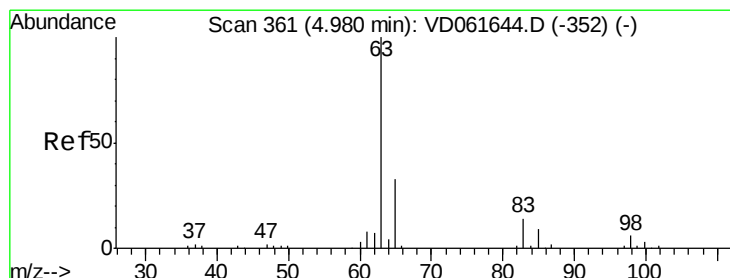
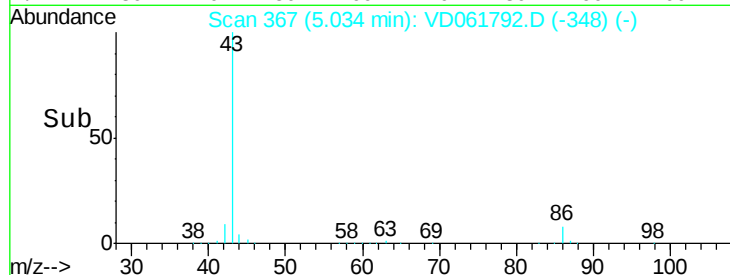
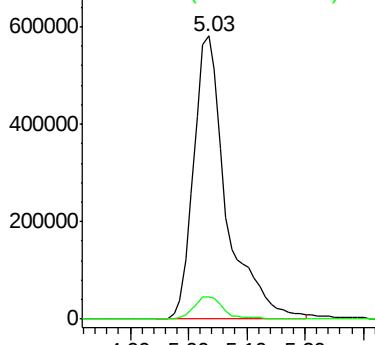
MMDadoda

4/15/2019 12:32:01 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.230 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

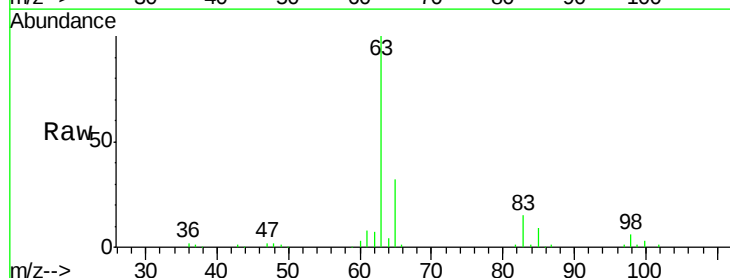
Tgt Ion: 63 Resp: 486448

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

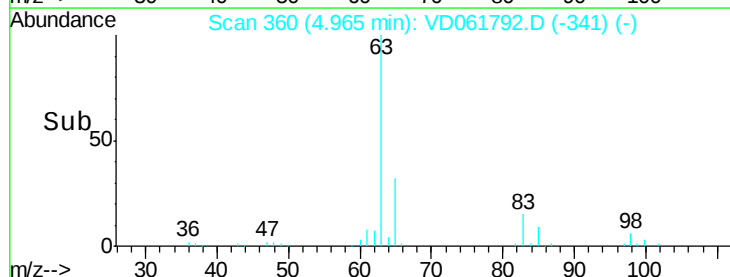
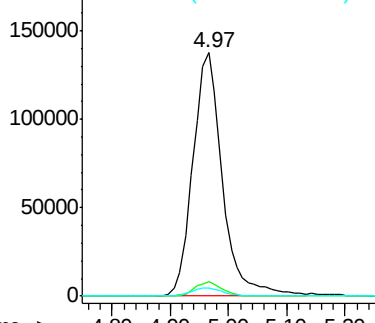
100 3.4 1.7 5.1

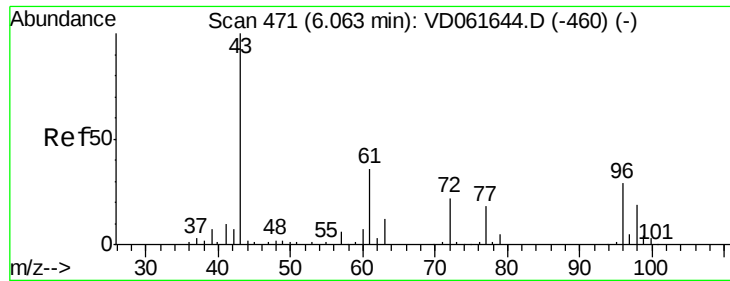


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 273.083 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 363692

Ion Ratio Lower Upper

43 100

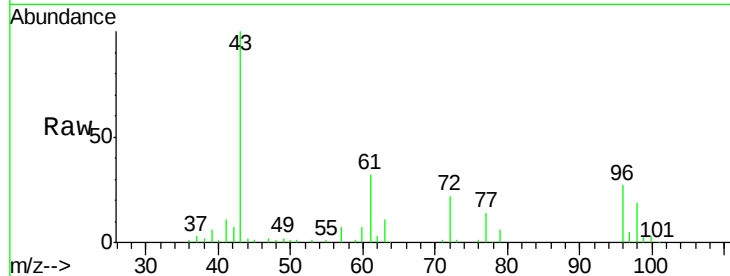
72 21.8 17.4 26.2

Manual Integrations

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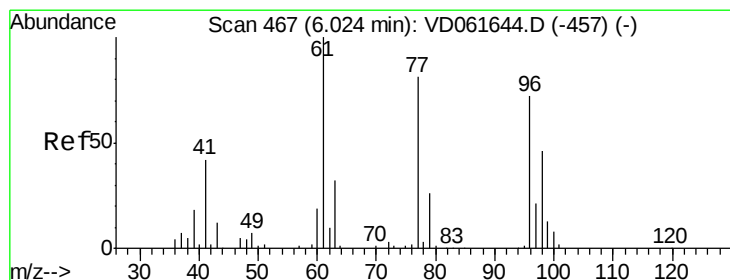
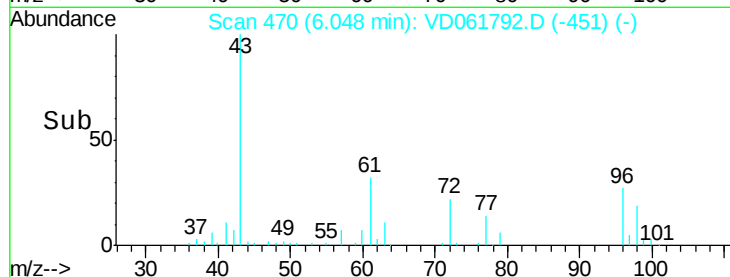
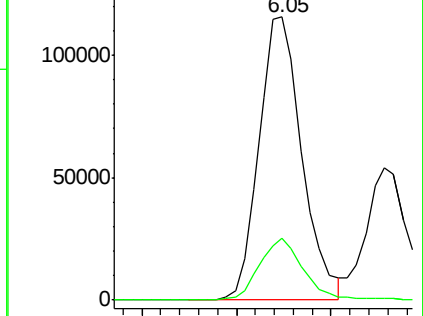
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.149 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD061792.D

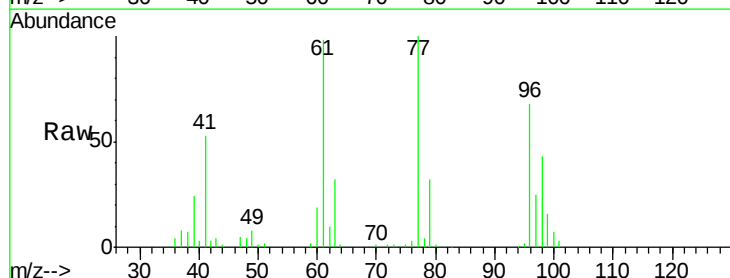
Acq: 12 Apr 2019 23:17

Tgt Ion: 77 Resp: 387895

Ion Ratio Lower Upper

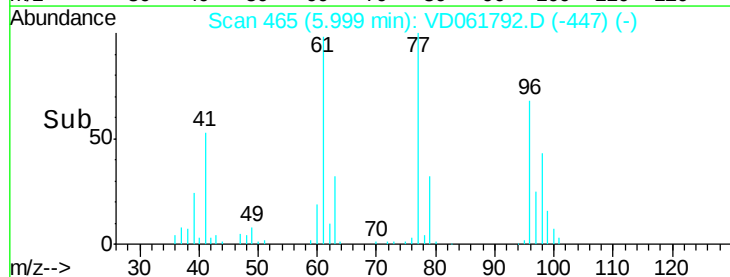
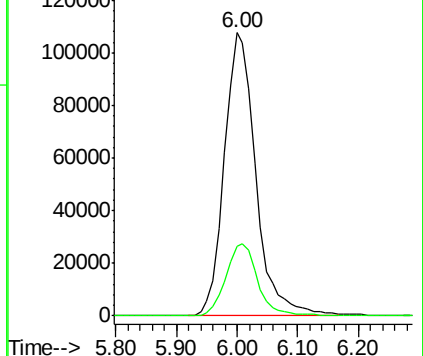
77 100

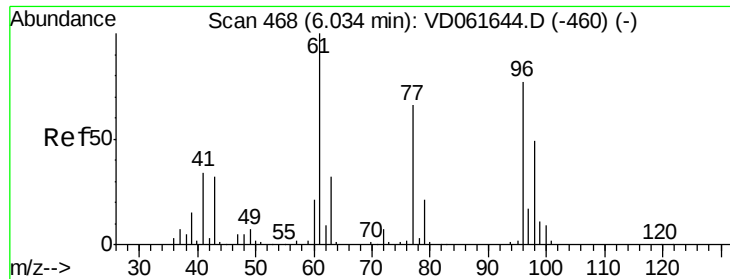
97 24.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

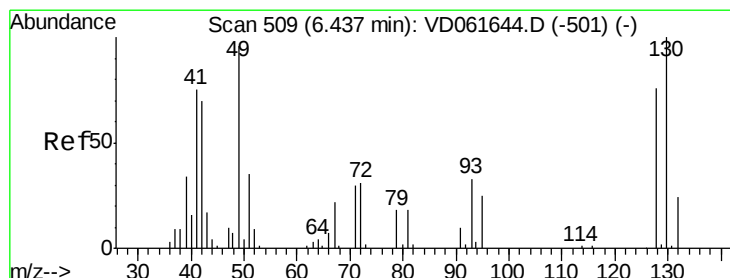
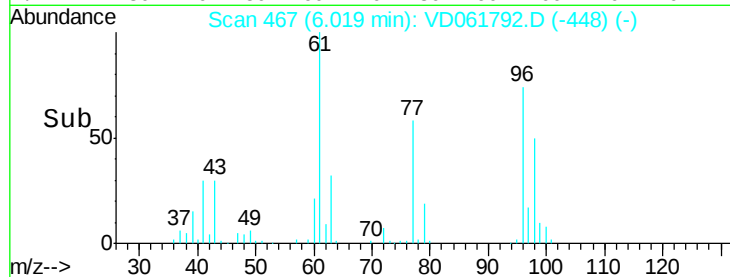
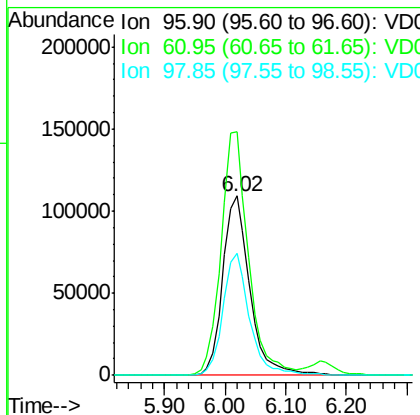
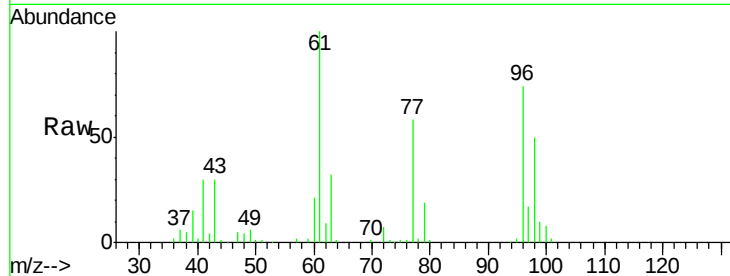
cis-1,2-Dichloroethene
Concen: 55.290 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	259.8
98	67.9	0.0	127.6

Manual Integrations
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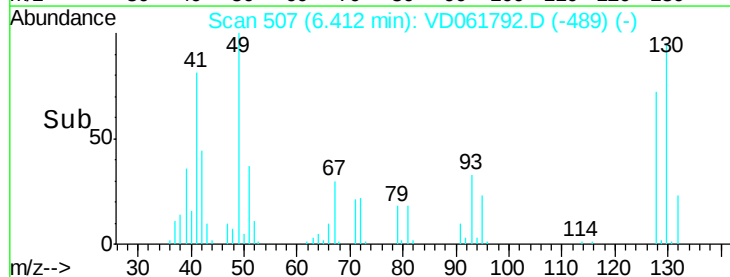
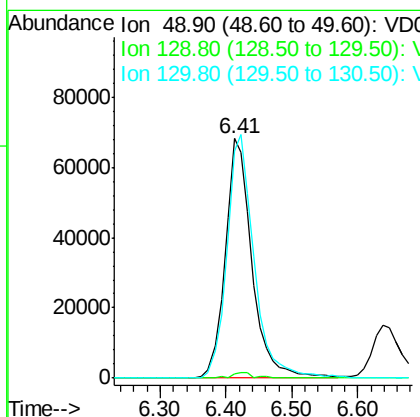
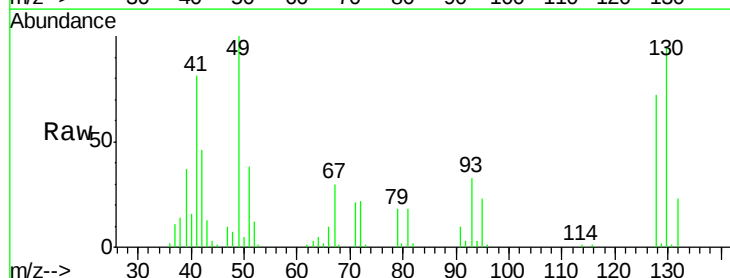
MMDadoda
4/15/2019 12:32:01 AM

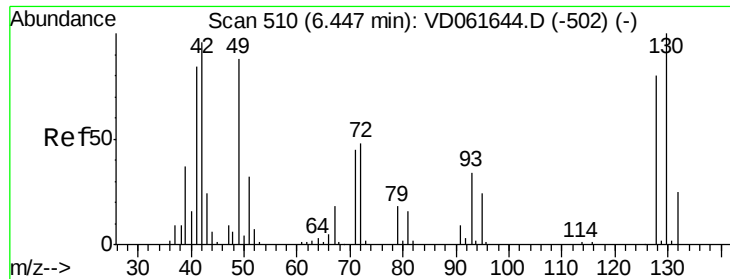


#28

Bromochloromethane
Concen: 56.352 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	95.0	83.3	124.9





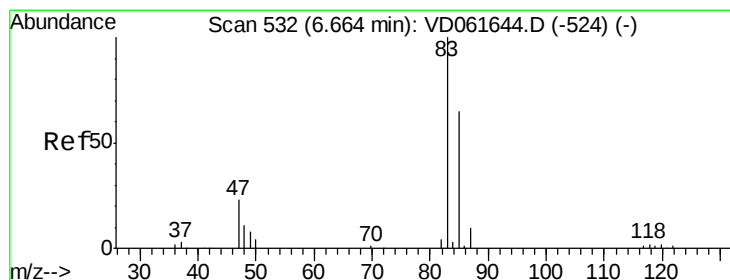
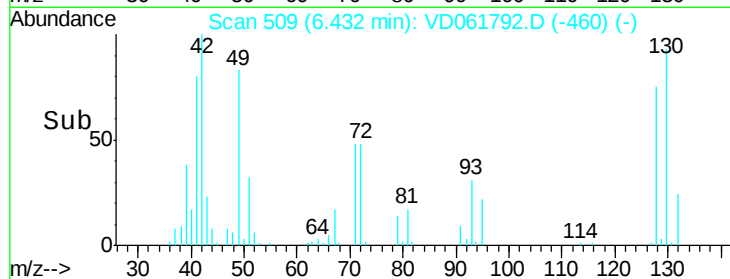
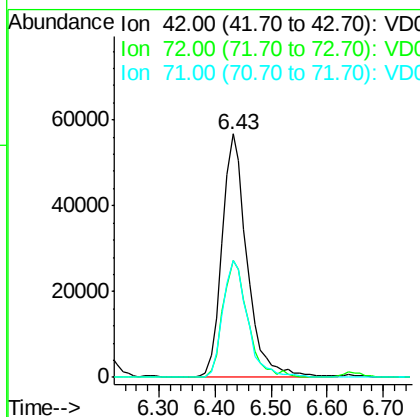
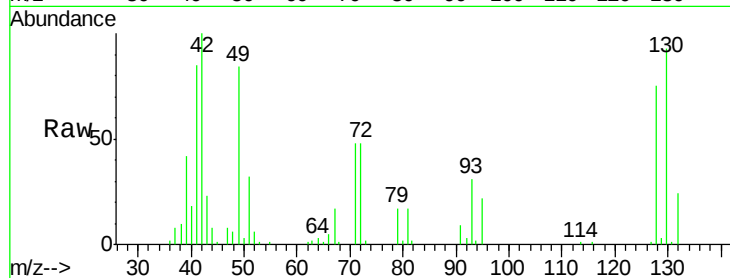
#29
Tetrahydrofuran
Concen: 275.339 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.0	55.6
71	47.2	36.5	54.7

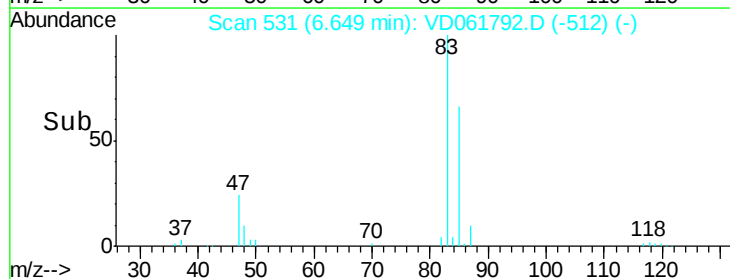
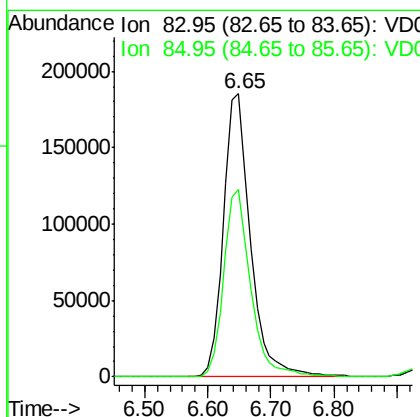
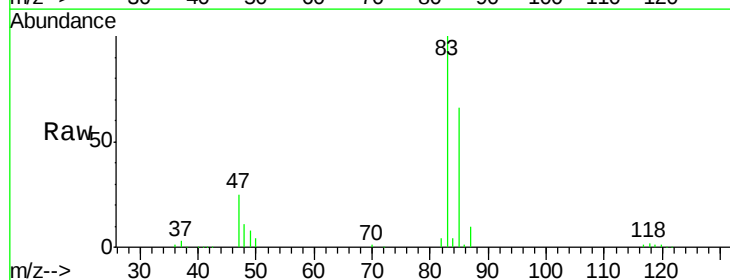
Manual Integrations
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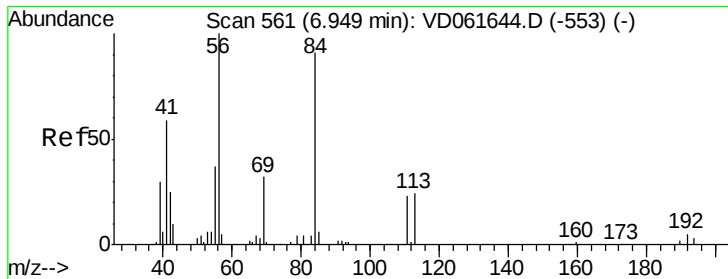
MMDadoda
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#30
Chloroform
Concen: 56.440 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.9	77.9





#31

Cvclohexane

Concen: 47.169 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

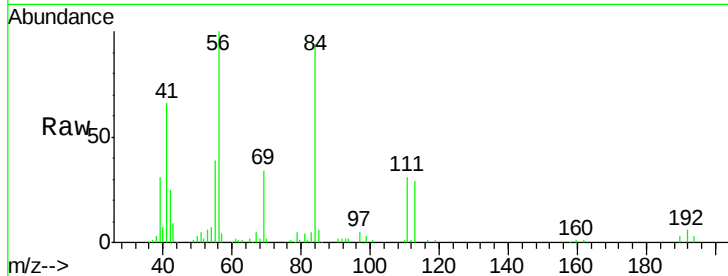
ClientSampleId :

VSTDCCC050

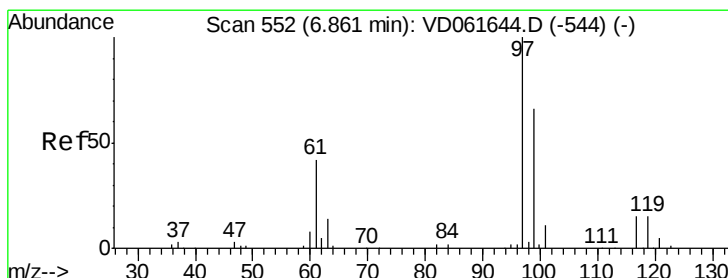
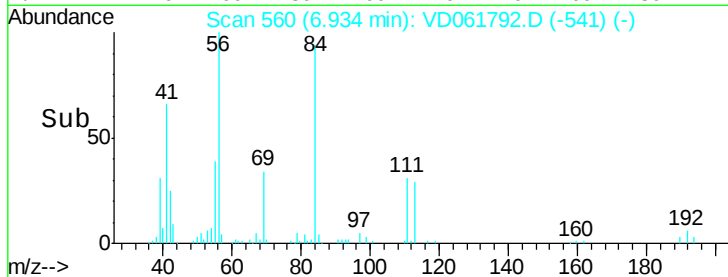
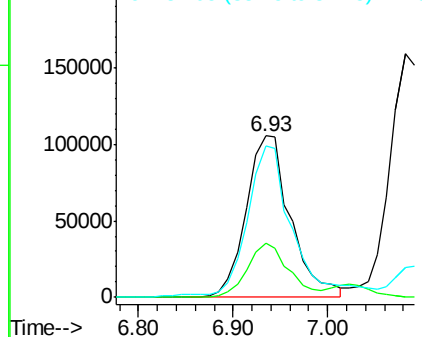
Tot Ion:	56	Resp:	343203
Ion	Ratio	Lower	Upper
56	100		
69	33.6	25.8	38.6
84	93.7	74.2	111.2

Manual Integrations
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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 53.732 ug/l

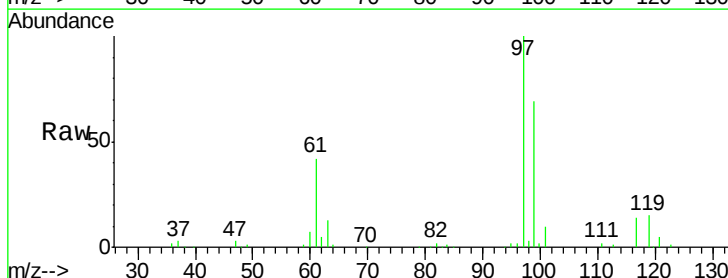
RT: 6.86 min Scan# 552

Delta R.T. -0.01 min

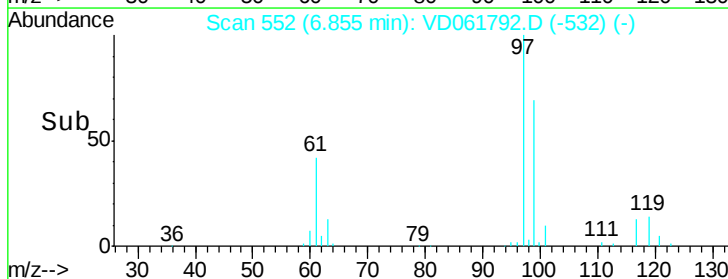
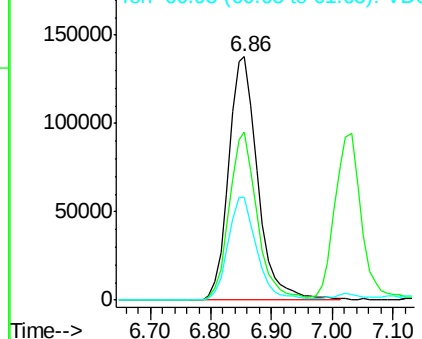
Lab File: VD061792.D

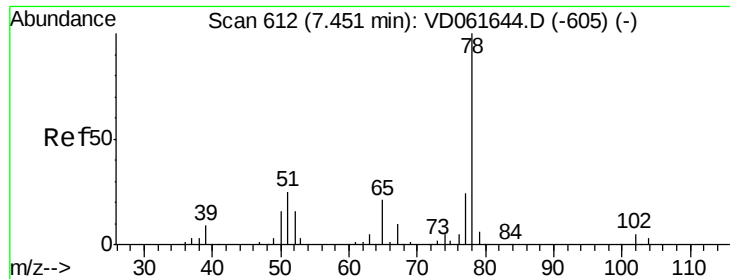
Acq: 12 Apr 2019 23:17

Tgt Ion:	97	Resp:	459419
Ion	Ratio	Lower	Upper
97	100		
99	69.3	52.5	78.7
61	42.2	33.4	50.0



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.732 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Tot Ion: 65 Resp: 200651

Ion Ratio Lower Upper

65 100

67 51.4 0.0 99.4

Instrument :

MSVOA_D

ClientSampleId :

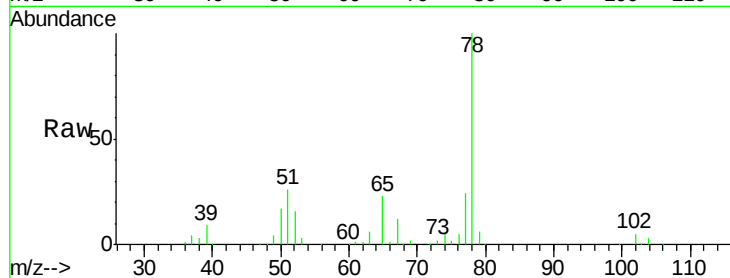
VSTDCCC050

Manual Integrations

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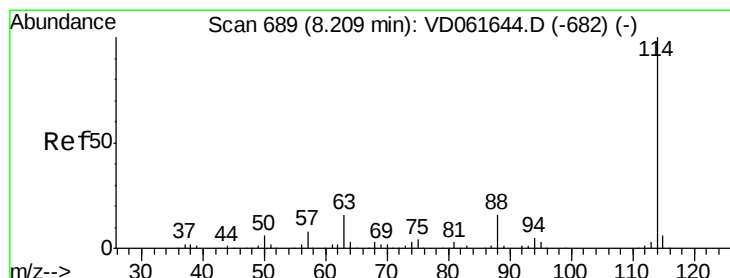
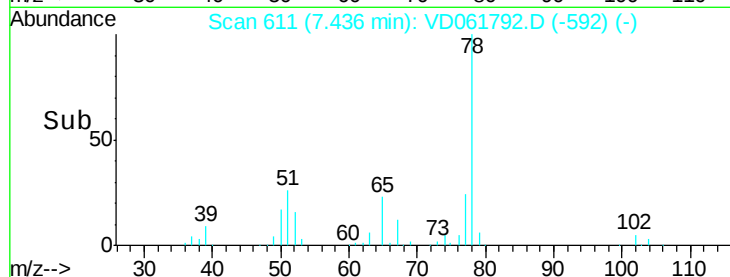
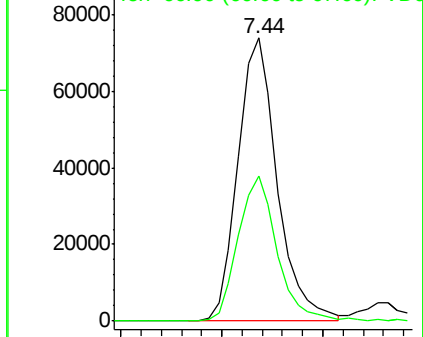
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

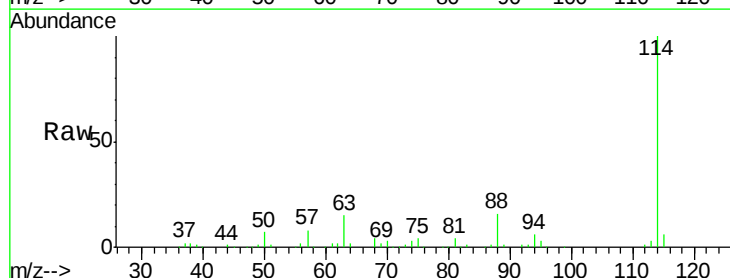
Tgt Ion: 114 Resp: 805227

Ion Ratio Lower Upper

114 100

63 15.2 0.0 31.2

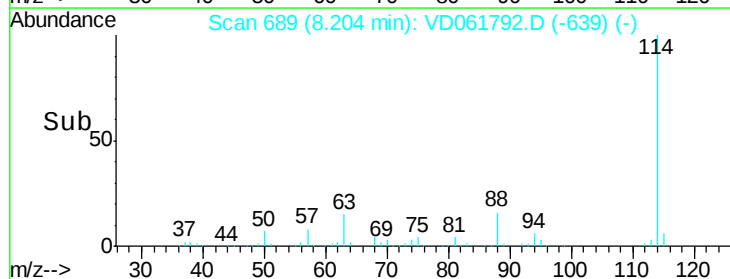
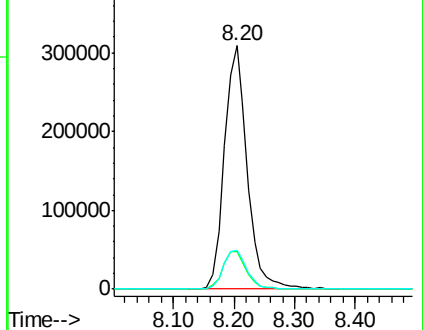
88 16.1 0.0 31.8

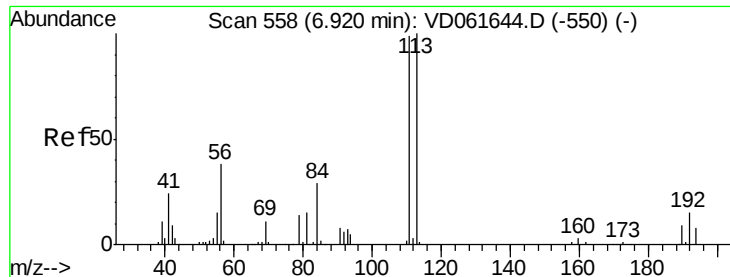


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.90 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

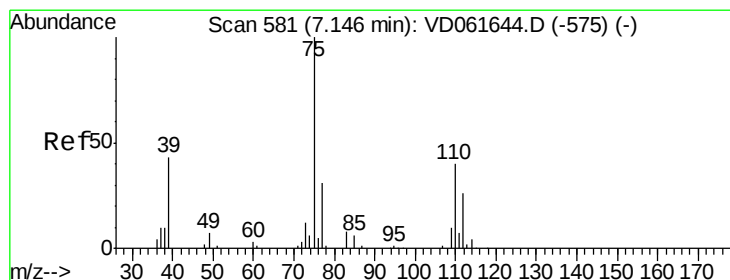
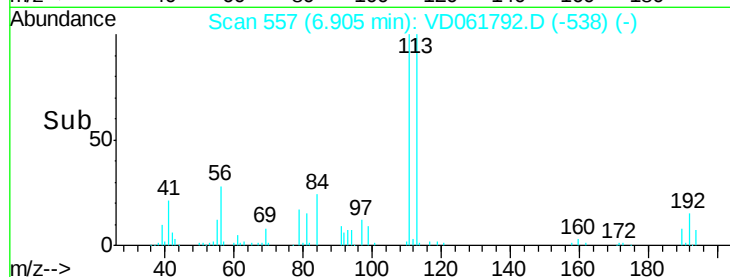
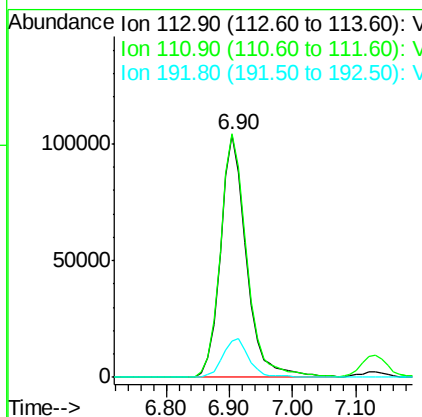
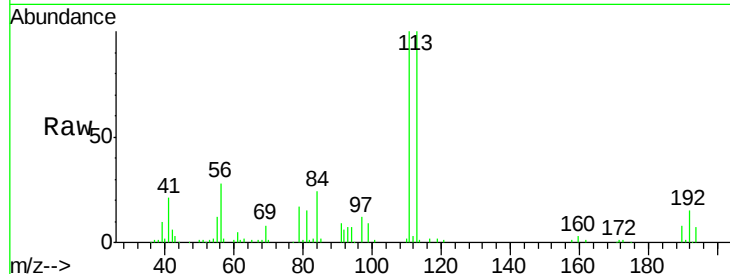
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	295468
Ion Ratio	Lower	Upper	
113	100		
111	100.2	79.3	118.9
192	14.9	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 55.563 ug/l

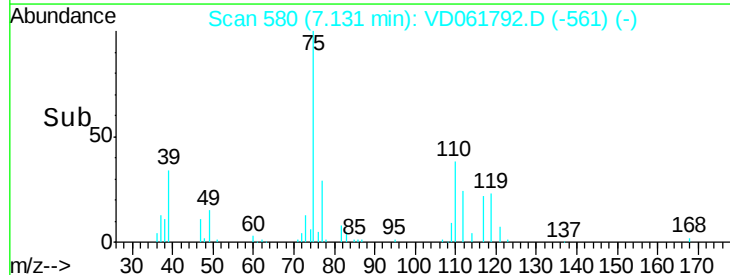
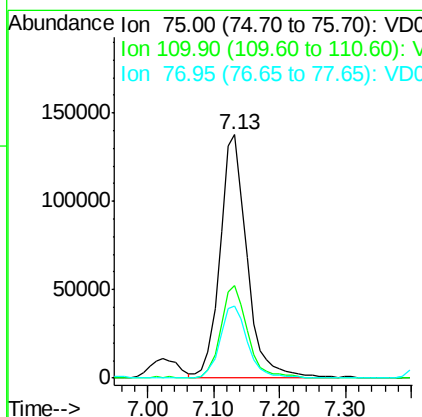
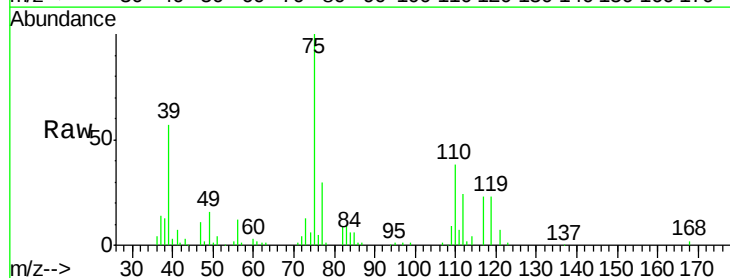
RT: 7.13 min Scan# 580

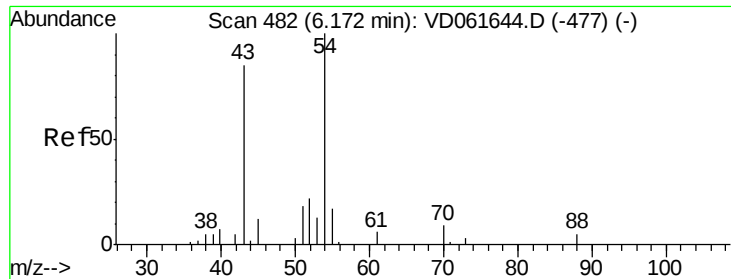
Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Tgt Ion:	75	Resp:	391562
Ion Ratio	Lower	Upper	
75	100		
110	37.8	19.7	59.0
77	29.9	24.8	37.2





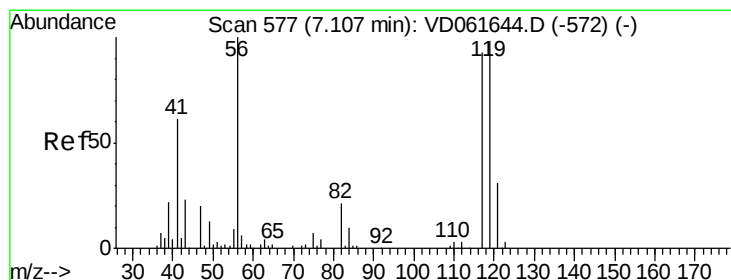
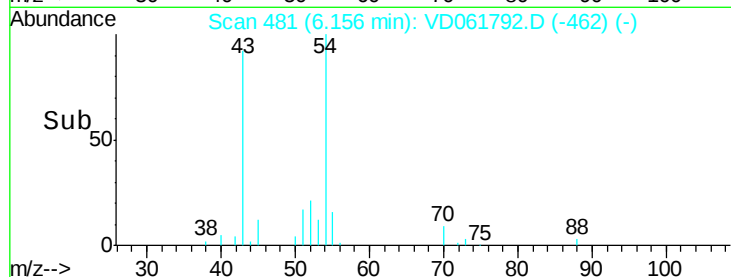
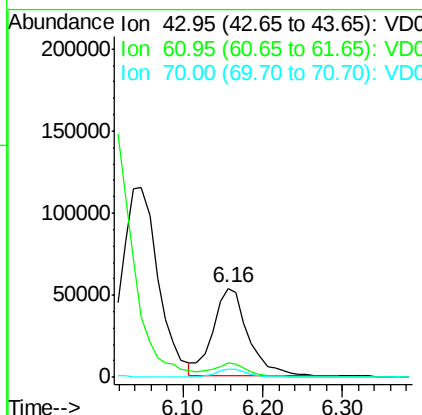
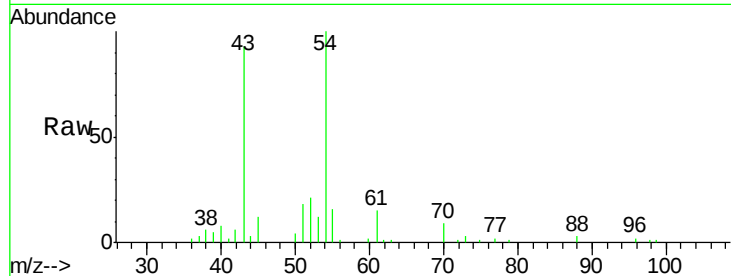
#37
Ethyl Acetate
Concen: 58.263 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.9	17.9
70	9.8	6.9	10.3

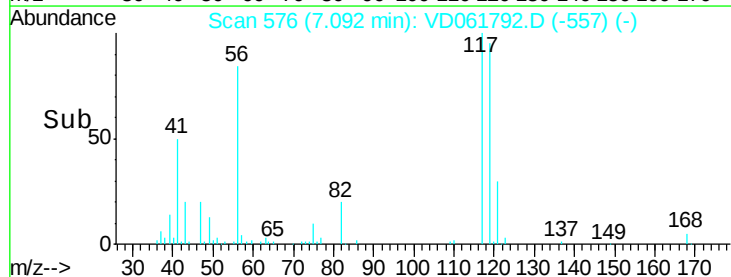
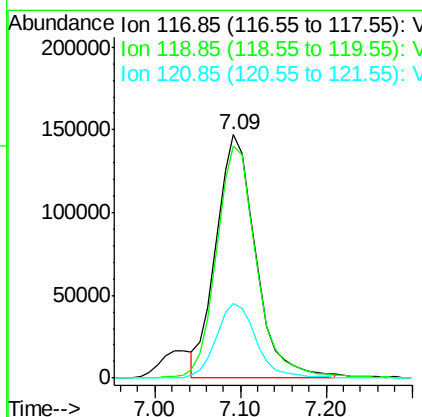
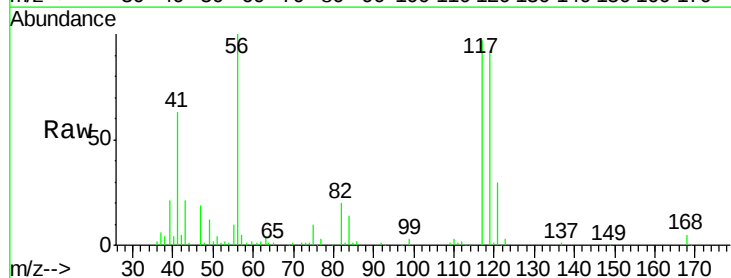
Manual Integrations
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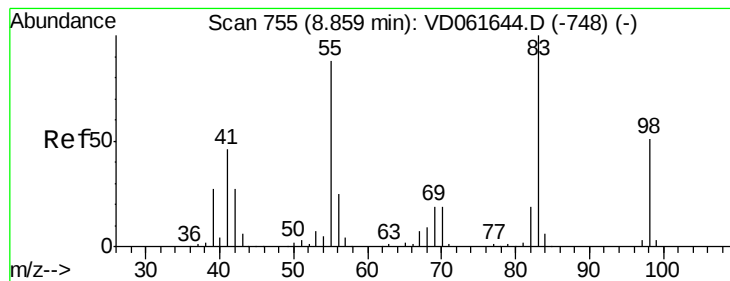
MMDadoda
4/15/2019 12:32:01 AM



#38
Carbon Tetrachloride
Concen: 57.460 ug/l m
RT: 7.09 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.9	116.9
121	30.6	24.7	37.1





#39

Methvlcvclohexane

Concen: 51.355 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 371561

Ion Ratio Lower Upper

83 100

55 84.0 70.3 105.5

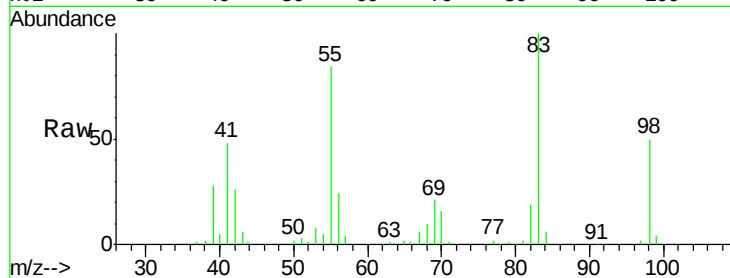
98 49.6 41.0 61.6

Manual Integrations

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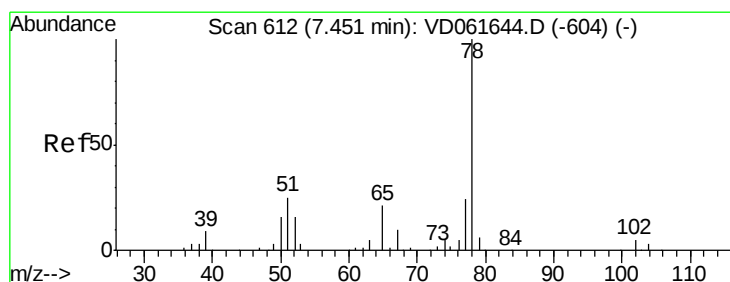
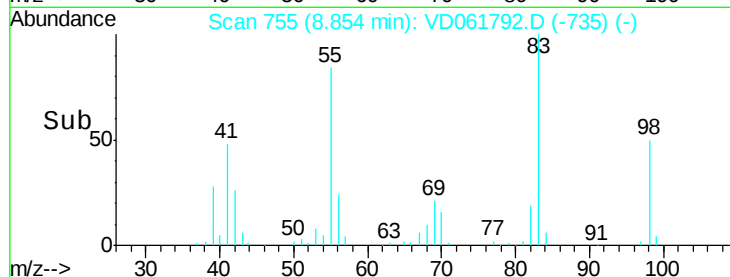
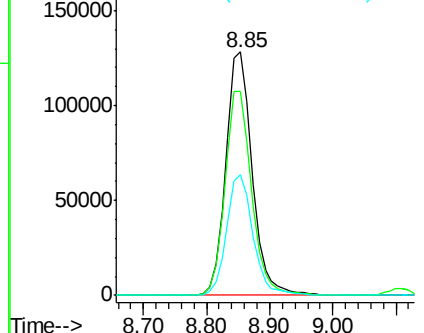
4/15/2019 12:32:01 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 55.578 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD061792.D

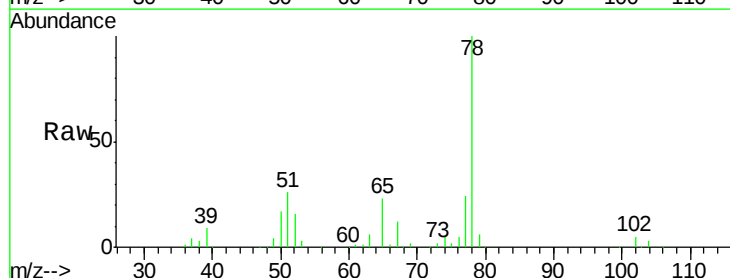
Acq: 12 Apr 2019 23:17

Tgt Ion: 78 Resp: 944888

Ion Ratio Lower Upper

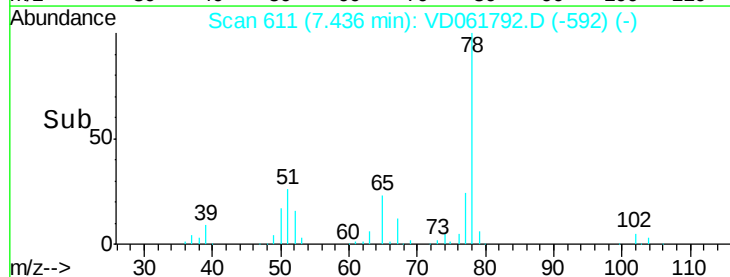
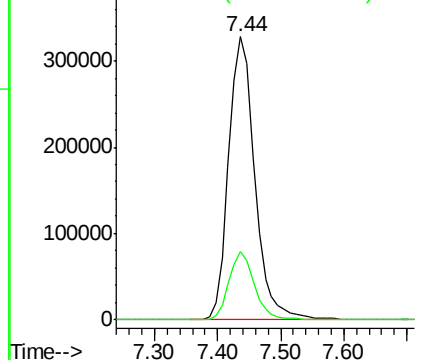
78 100

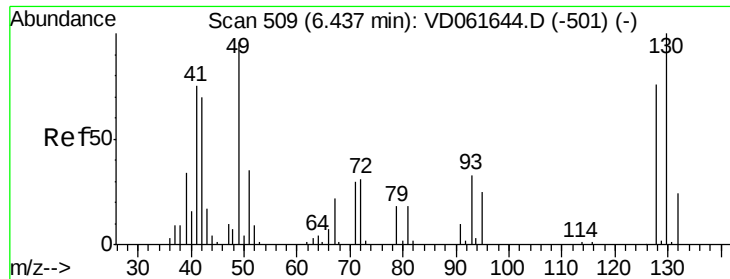
77 24.1 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





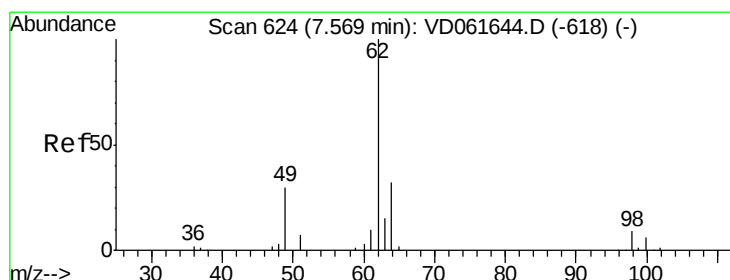
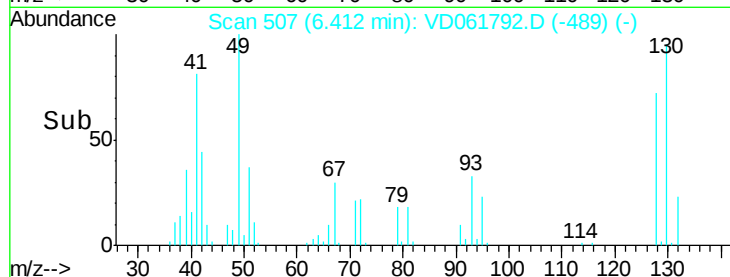
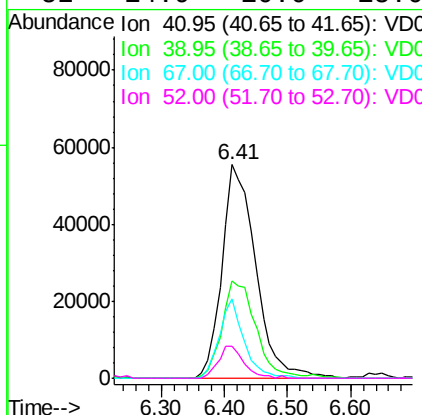
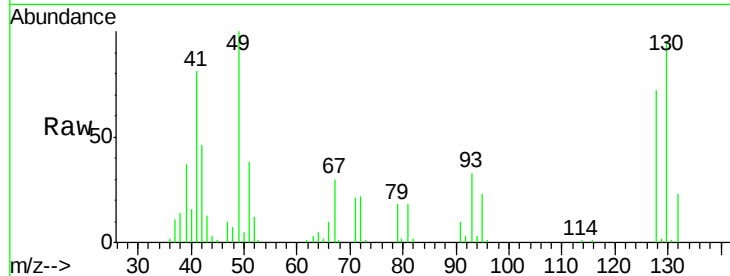
#41
Methacrylonitrile
Concen: 61.548 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.3	36.2	54.2
67	37.1	23.2	34.8
52	14.9	10.0	15.0

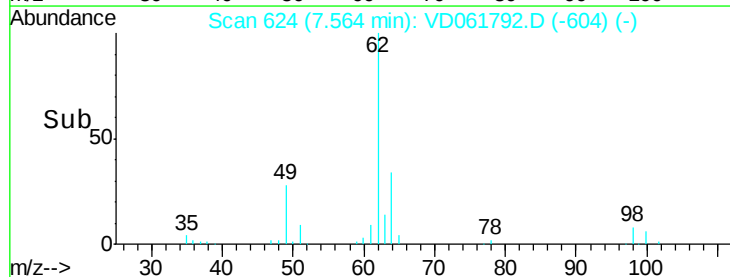
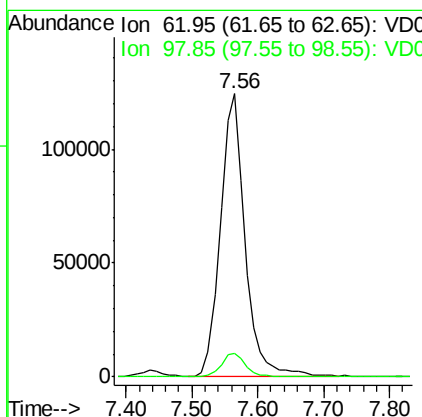
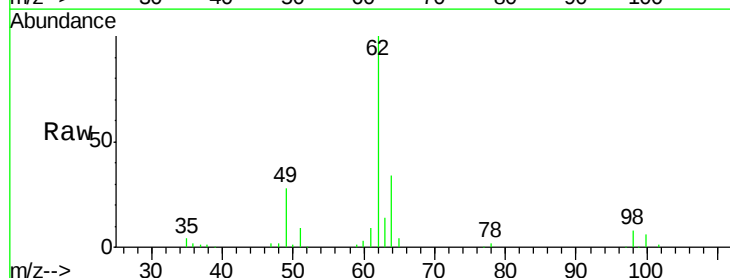
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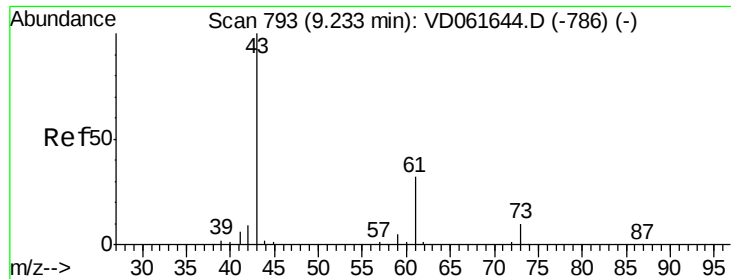
MMDadoda
4/15/2019 12:32:01 AM



#42
1,2-Dichloroethane
Concen: 60.937 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8





#43

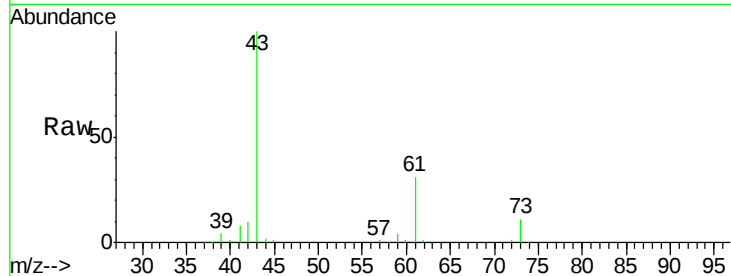
Isopropyl Acetate
 Concen: 60.809 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

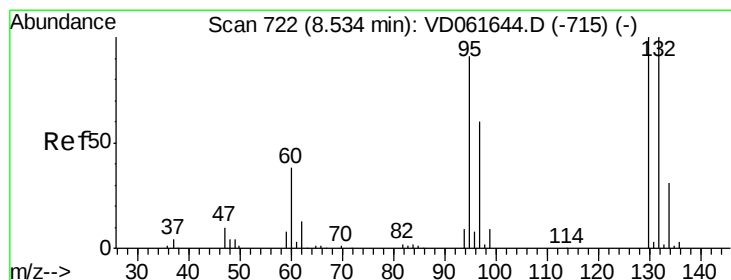
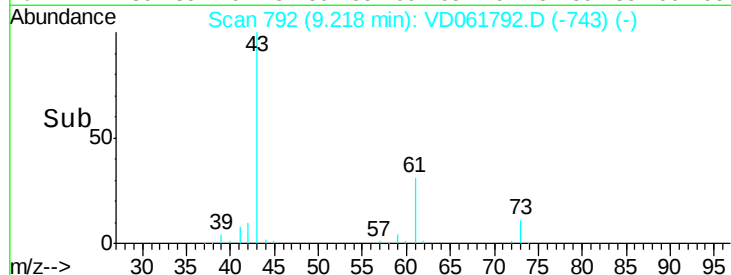
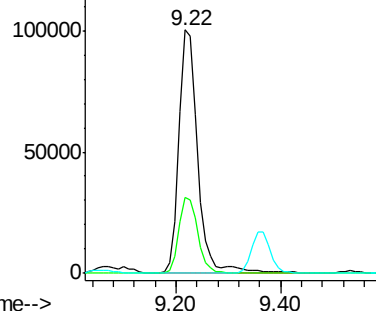
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.9	38.9
87	0.0	0.2	0.4

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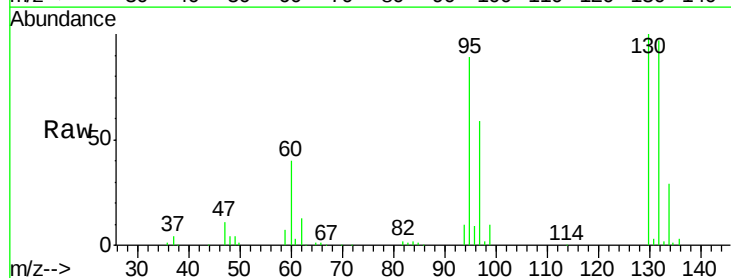
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



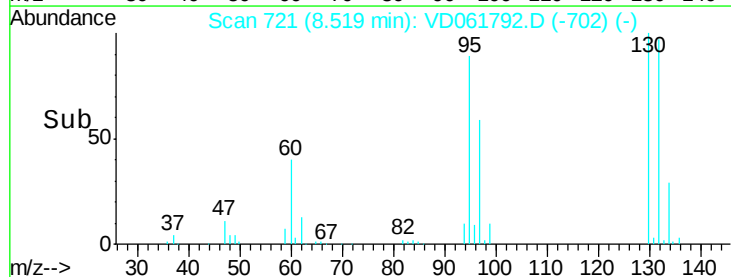
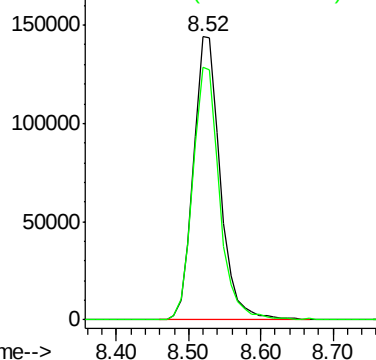
#44

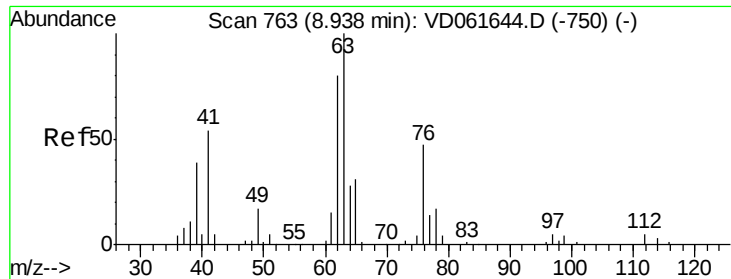
Trichloroethene
 Concen: 56.771 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	181.8



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





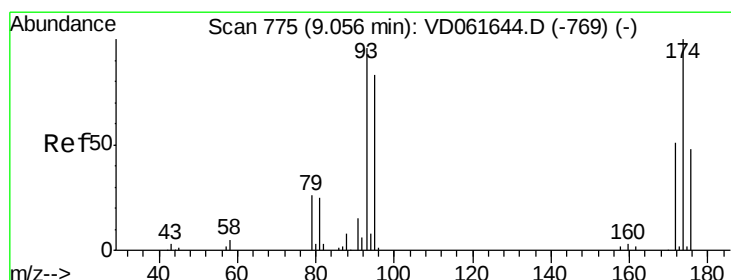
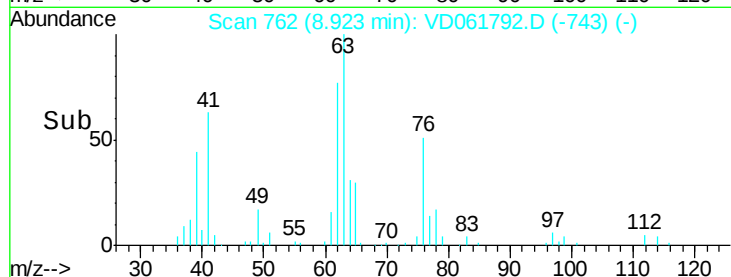
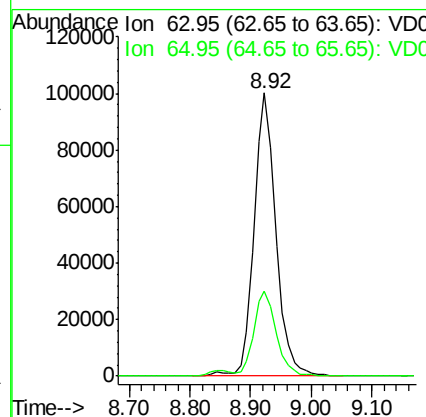
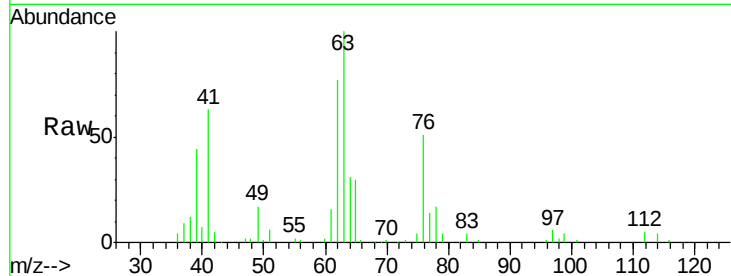
#45
 1,2-Dichloropropane
 Concen: 59.508 ug/l
 RT: 8.92 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 250900
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.5 36.7

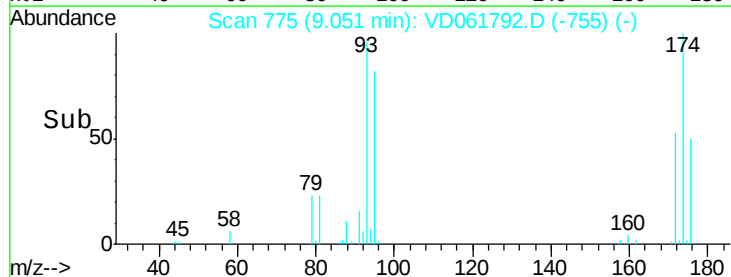
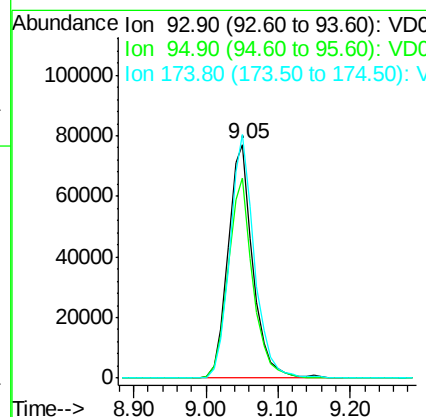
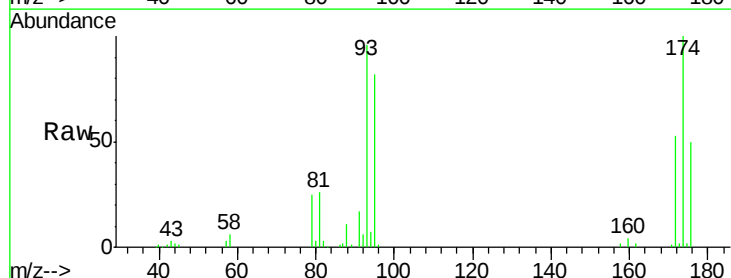
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 4/15/2019 12:32:01 AM



#46
 Dibromomethane
 Concen: 60.424 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 93 Resp: 182076
 Ion Ratio Lower Upper
 93 100
 95 85.7 68.6 103.0
 174 104.3 83.0 124.4





#47

Bromodichloromethane

Concen: 61.421 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

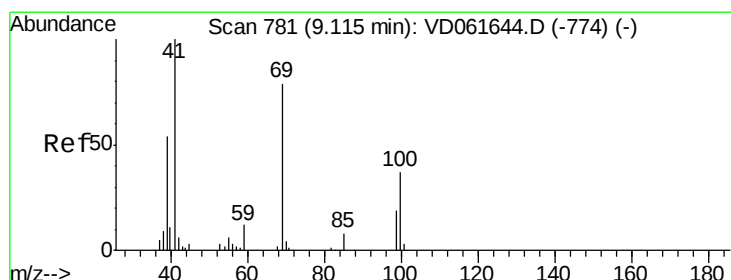
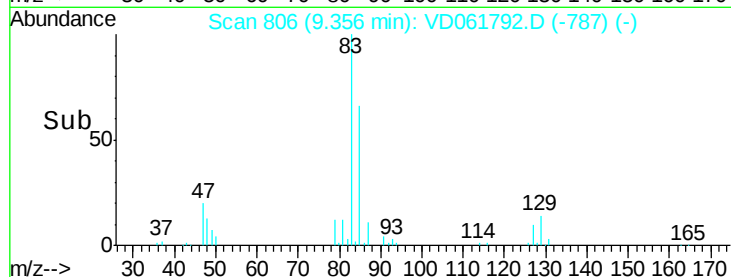
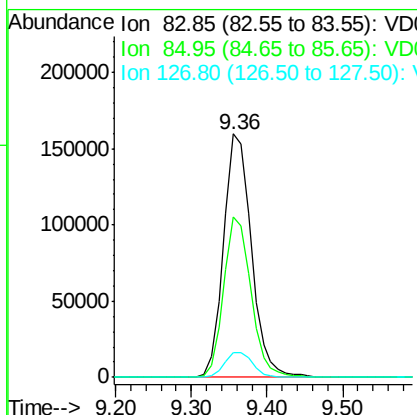
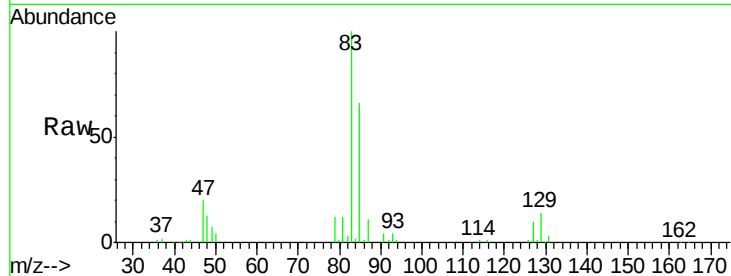
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	406495
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.8	77.6
127	9.9	9.0	13.6

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#48

Methyl methacrylate

Concen: 56.846 ug/l

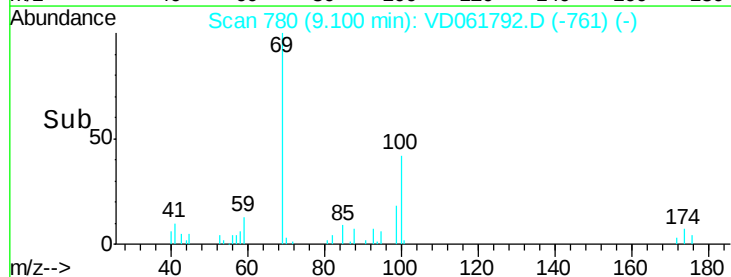
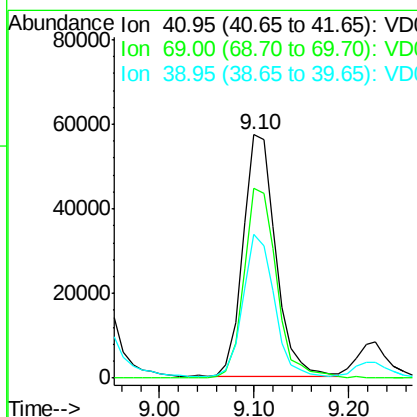
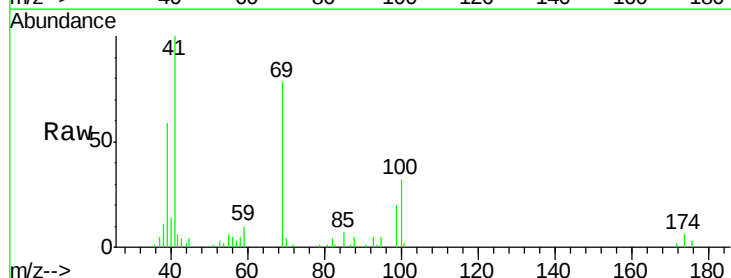
RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Tgt Ion:	41	Resp:	136507
Ion Ratio	Lower	Upper	
41	100		
69	78.0	63.1	94.7
39	59.3	43.8	65.8





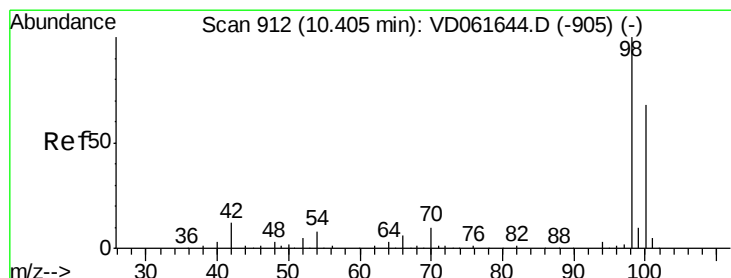
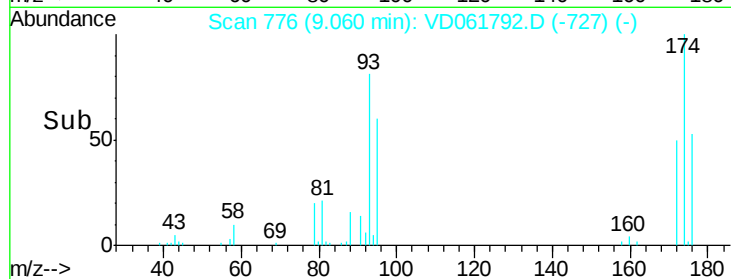
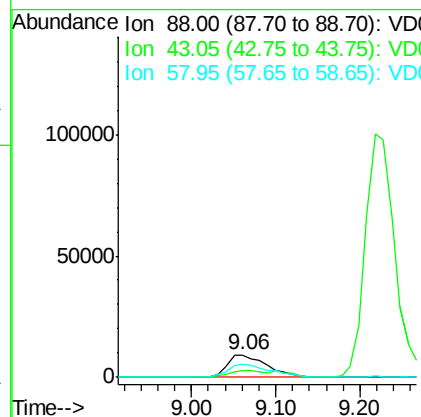
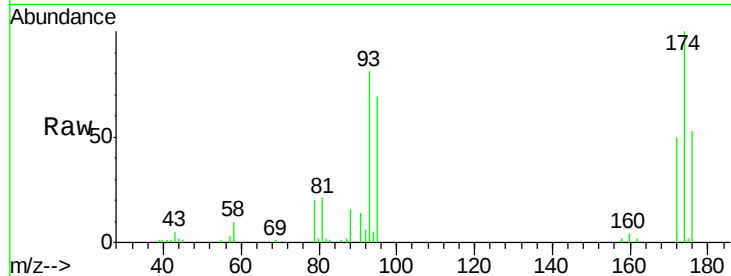
#49
1,4-Dioxane
Concen: 1151.527 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	27.9	21.8	32.8	
58	60.6	40.2	60.2	

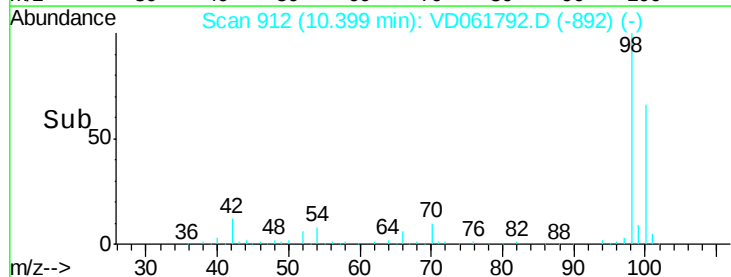
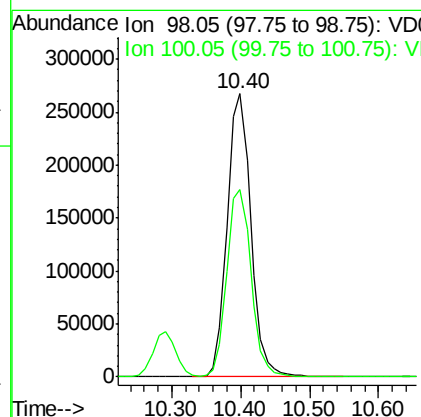
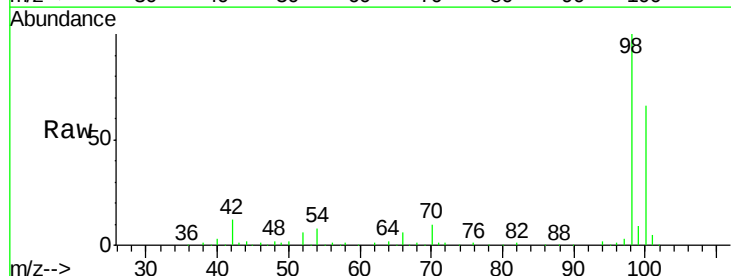
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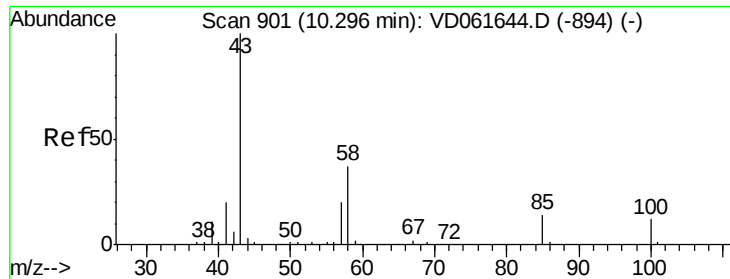
MMDadoda
4/15/2019 12:32:01 AM



#50
Toluene-d8
Concen: 1151.527 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.3	55.4	83.0	





#51

4-Methyl-2-Pentanone

Concen: 319.563 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 787294

Ion Ratio Lower Upper

43 100

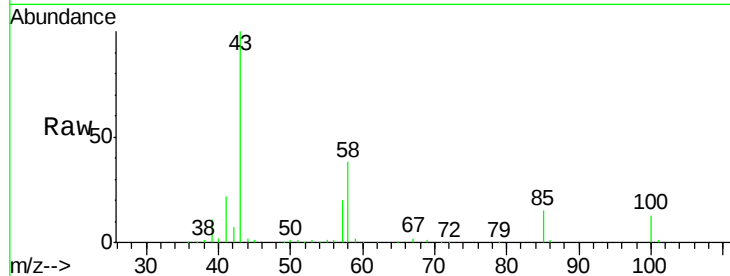
58 37.6 29.8 44.8

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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

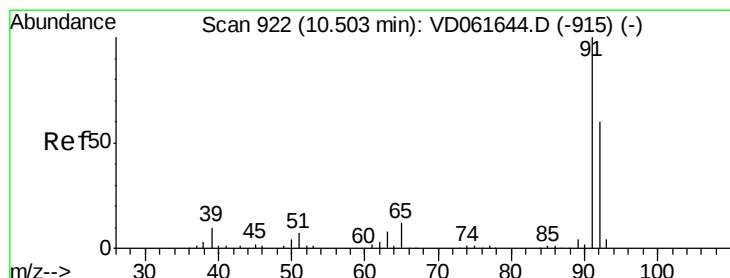
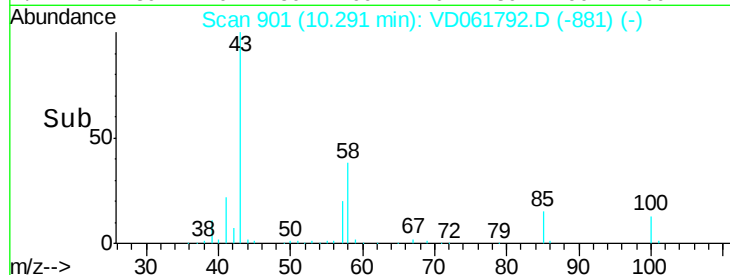
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.199 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061792.D

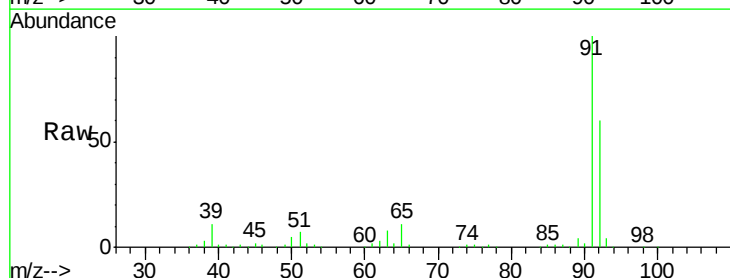
Acq: 12 Apr 2019 23:17

Tgt Ion: 92 Resp: 586007

Ion Ratio Lower Upper

92 100

91 167.0 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

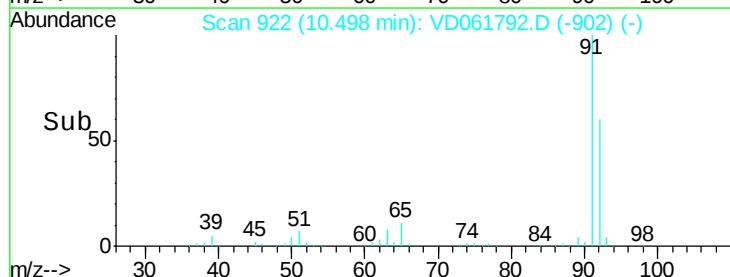
300000

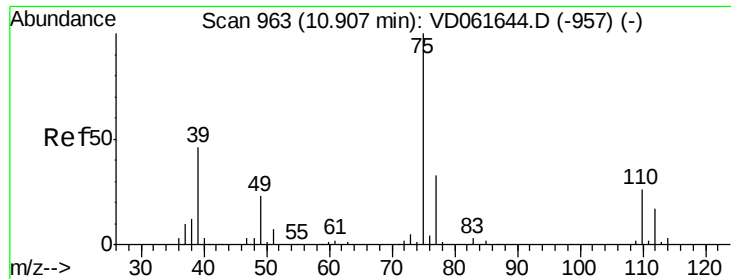
200000

100000

0

Time-->





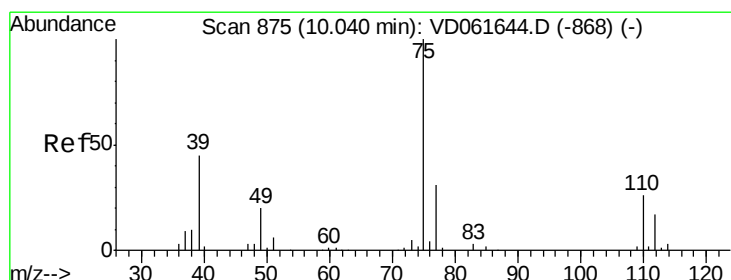
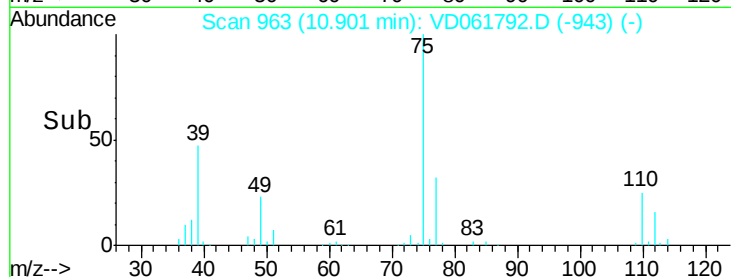
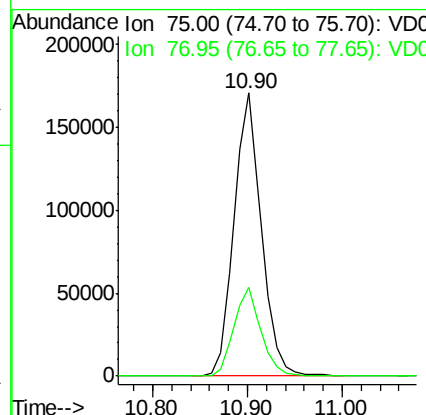
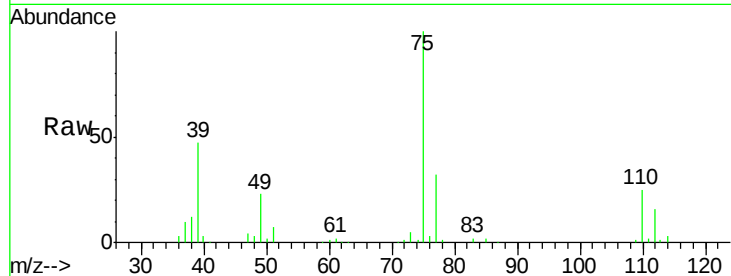
#53
t-1,3-Dichloropropene
Concen: 58.667 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.2	39.2

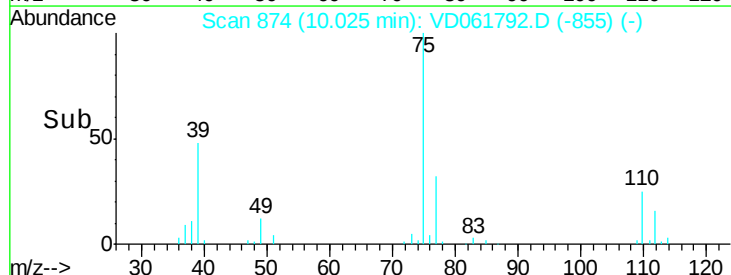
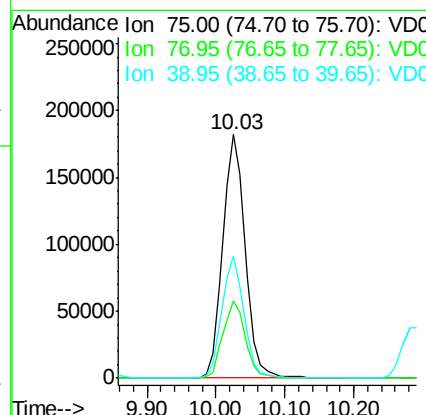
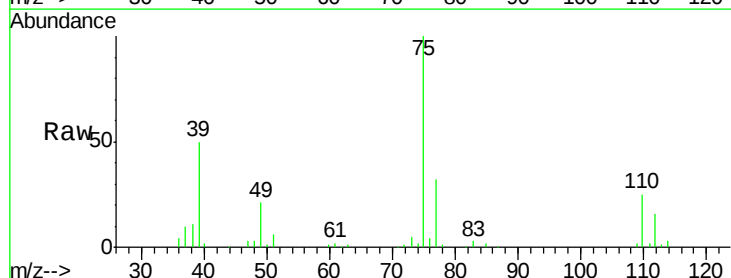
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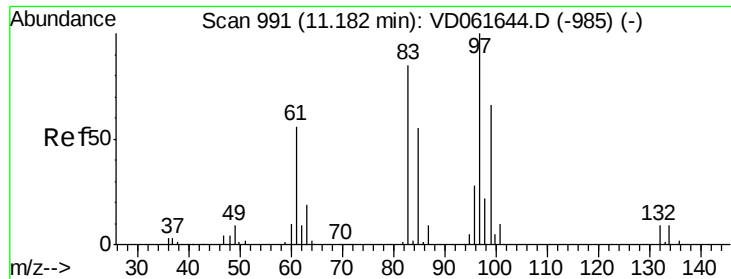
MMDadoda
4/15/2019 12:32:01 AM



#54
cis-1,3-Dichloropropene
Concen: 57.168 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0
39	50.3	36.2	54.2





#55

1,1,2-Trichloroethane

Concen: 56.133 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

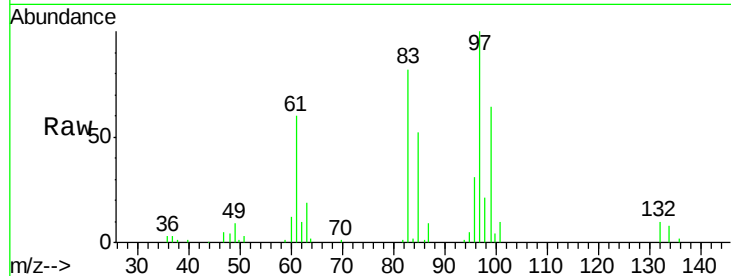
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	200988
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.8	101.6
85	52.5	43.8	65.8
99	63.6	52.8	79.2

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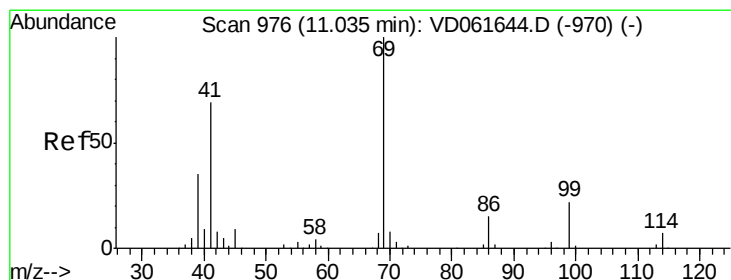
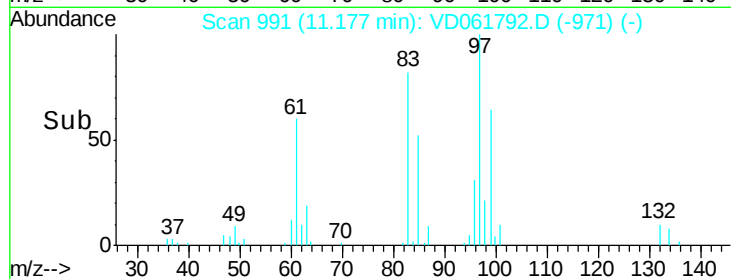
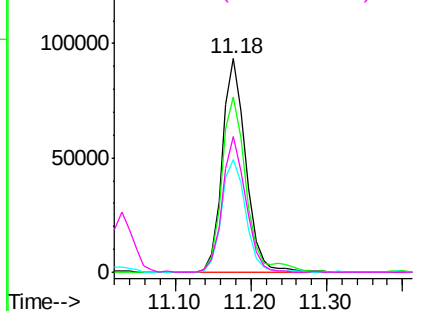


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 63.031 ug/l

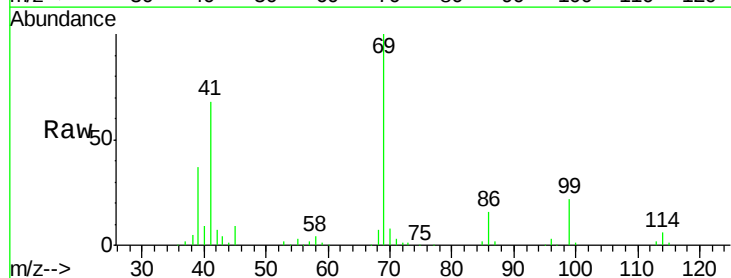
RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

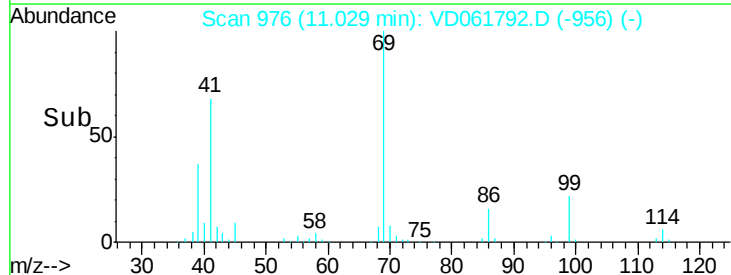
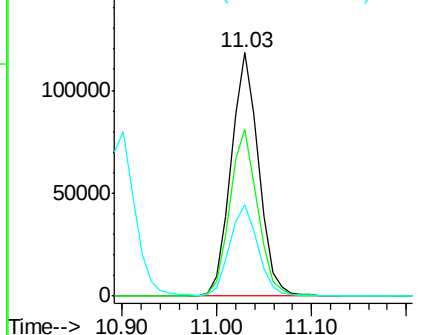
Tgt Ion:	69	Resp:	238084
Ion	Ratio	Lower	Upper
69	100		
41	68.3	55.2	82.8
39	37.4	28.6	43.0

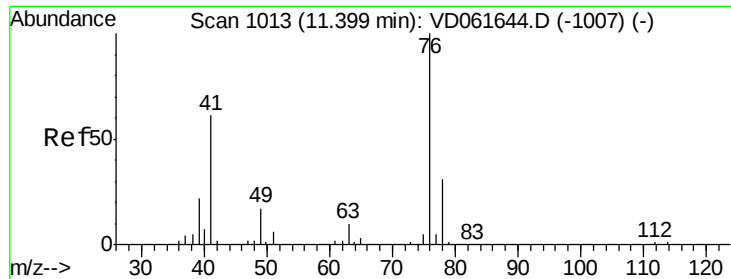


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





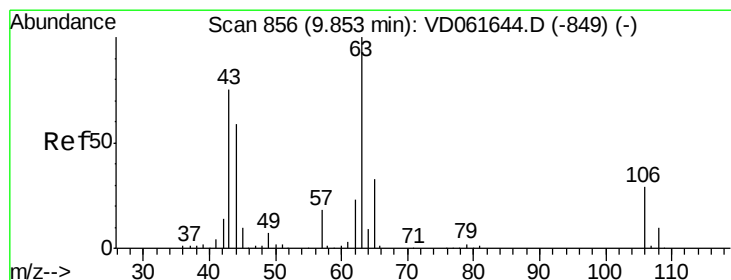
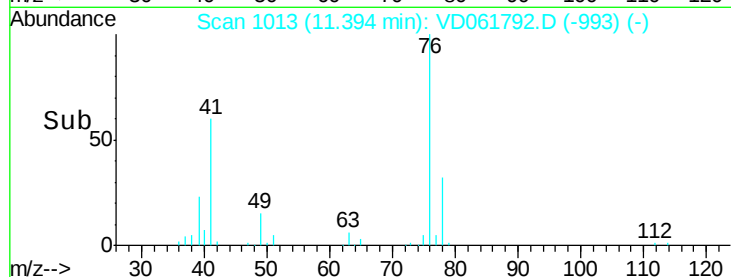
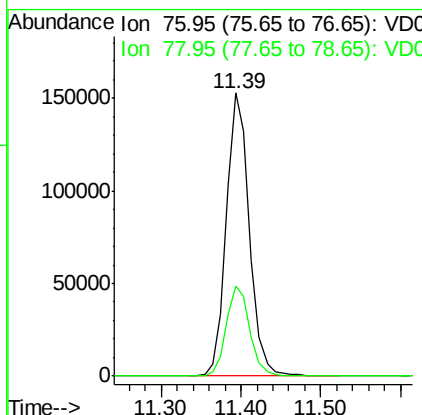
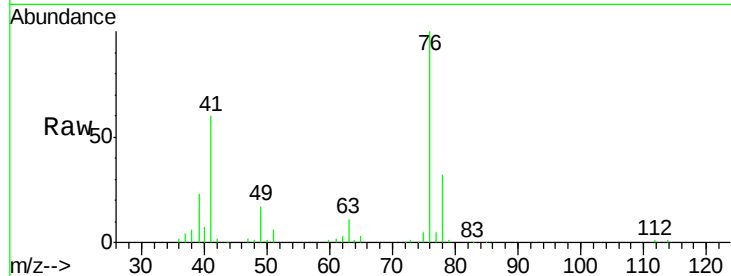
#57
 1,3-Dichloropropane
 Concen: 59.207 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 310457
 Ion Ratio Lower Upper
 76 100
 78 31.7 24.5 36.7

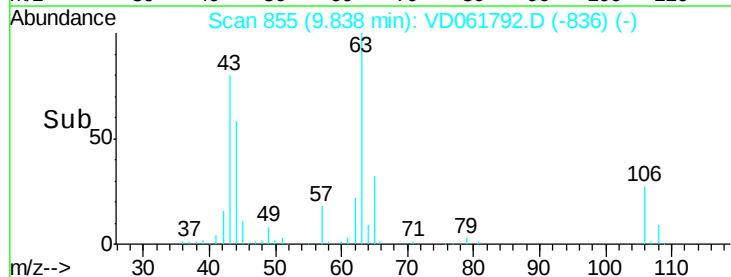
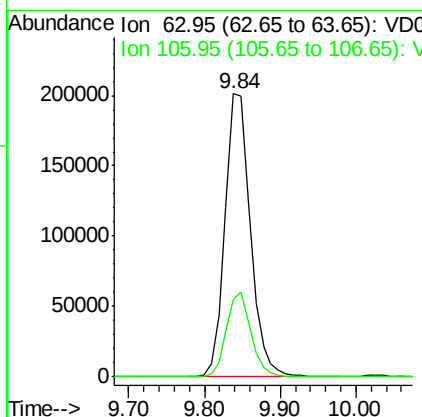
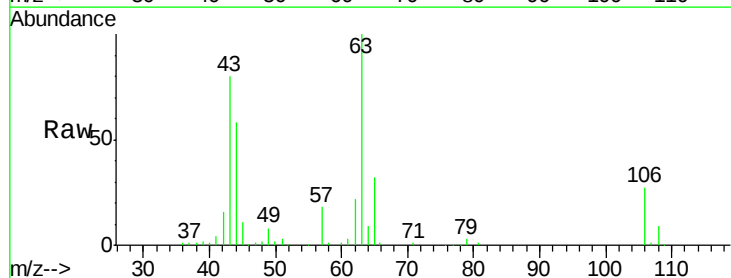
Manual Integrations
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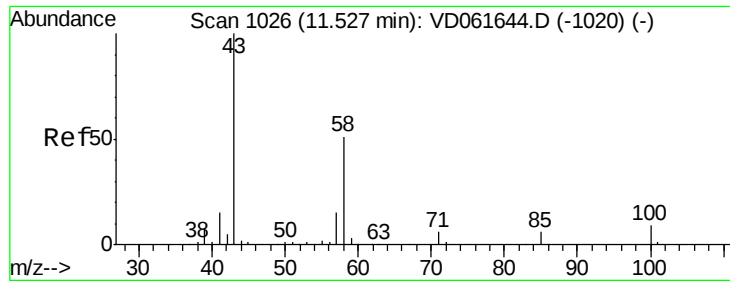
MMDadoda
 4/15/2019 12:32:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.192 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 63 Resp: 469082
 Ion Ratio Lower Upper
 63 100
 106 27.4 23.0 34.6





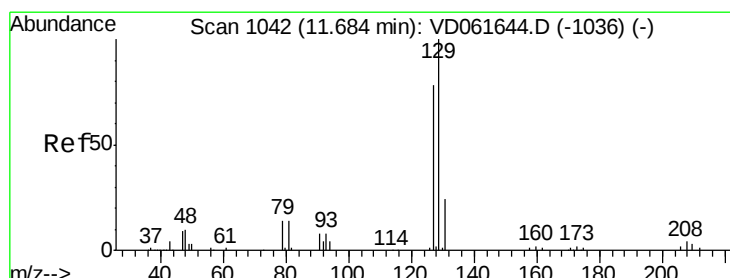
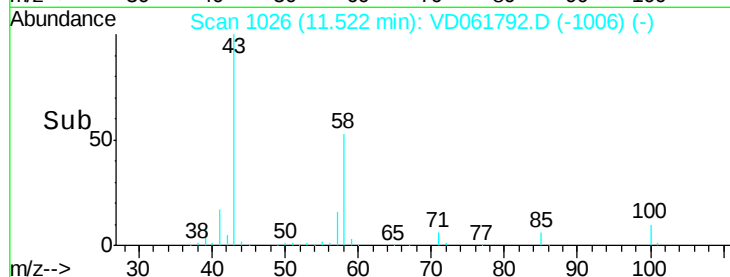
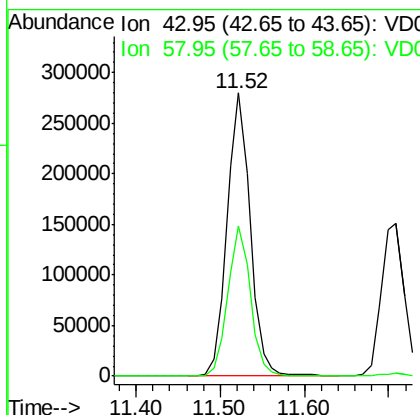
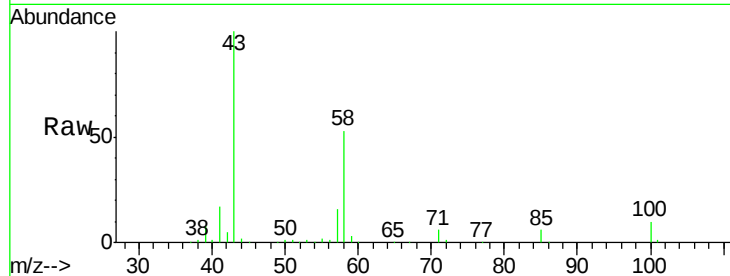
#59
2-Hexanone
Concen: 279.103 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 533644
Ion Ratio Lower Upper
43 100
58 53.2 25.6 76.8

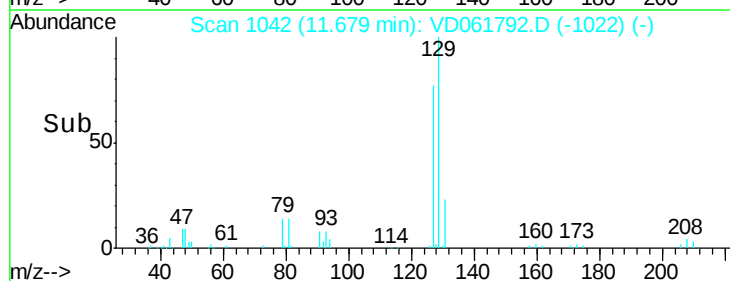
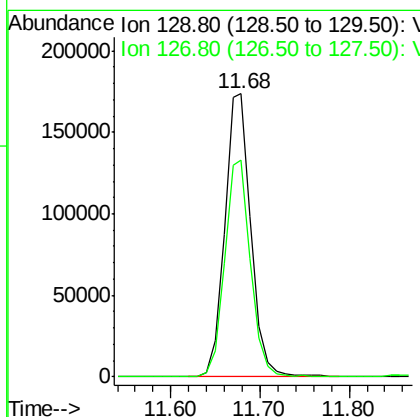
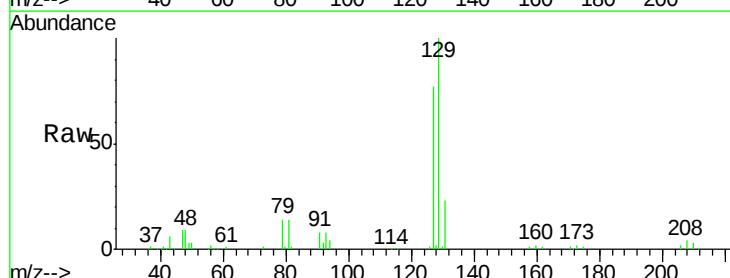
Manual Integrations
APPROVED

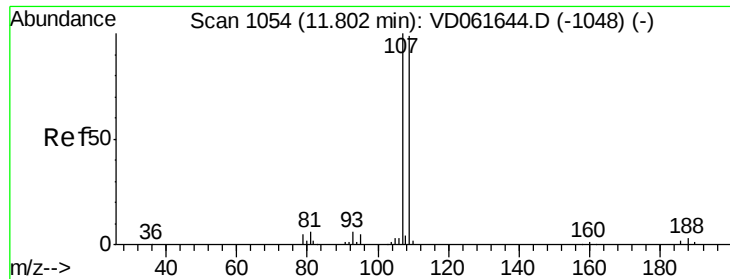
MMDadoda
4/15/2019 12:32:01 AM



#60
Dibromochloromethane
Concen: 63.064 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:129 Resp: 356753
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.4





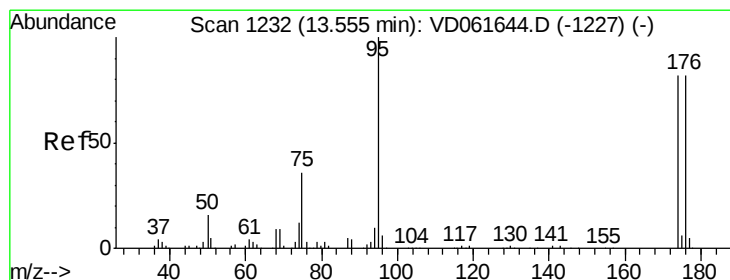
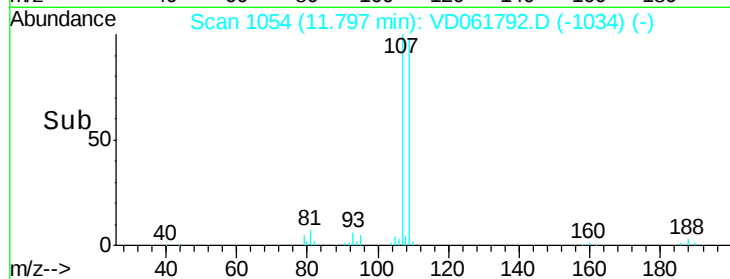
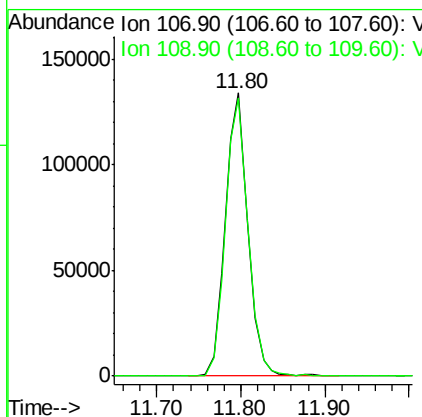
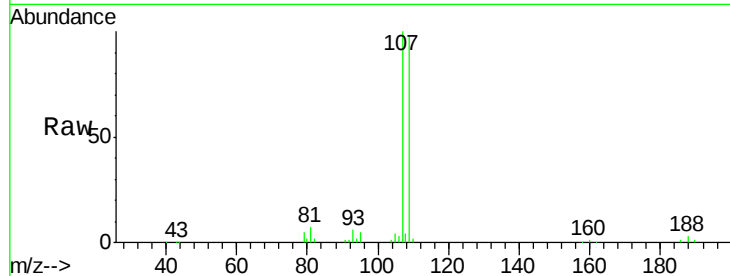
#61
1,2-Dibromoethane
Concen: 59.371 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.1	79.2	118.8

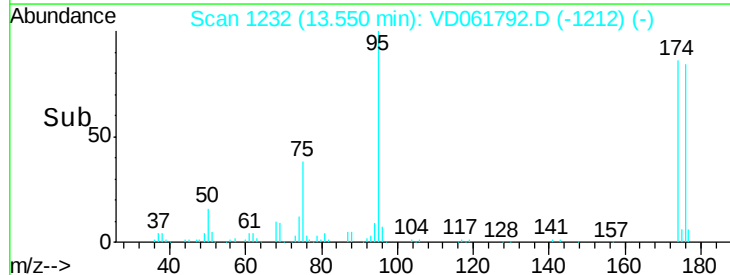
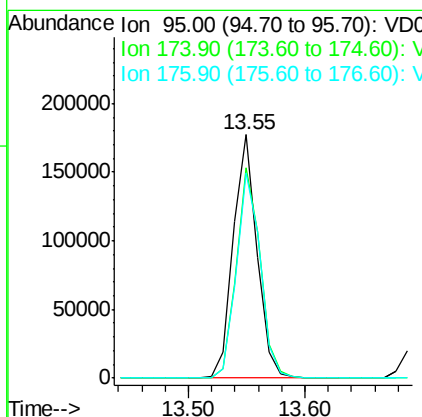
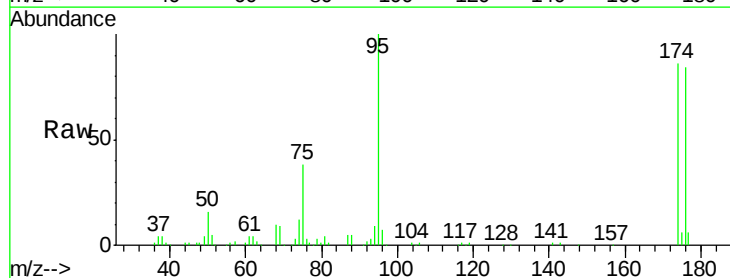
Manual Integrations
APPROVED

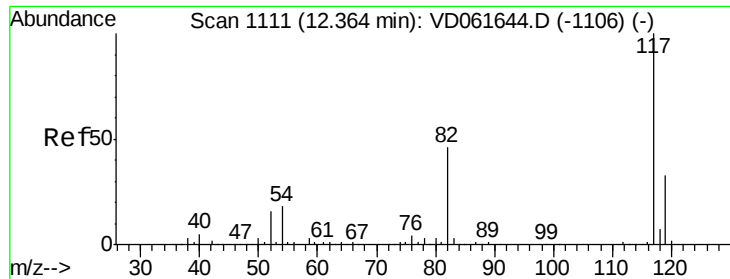
MMDadoda
4/15/2019 12:32:01 AM



#62
4-Bromofluorobenzene
Concen: 59.371 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	164.6
176	84.0	0.0	165.0





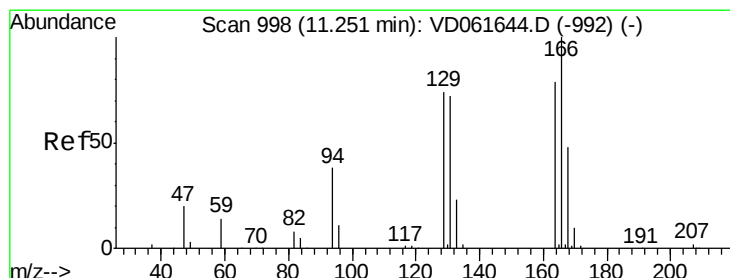
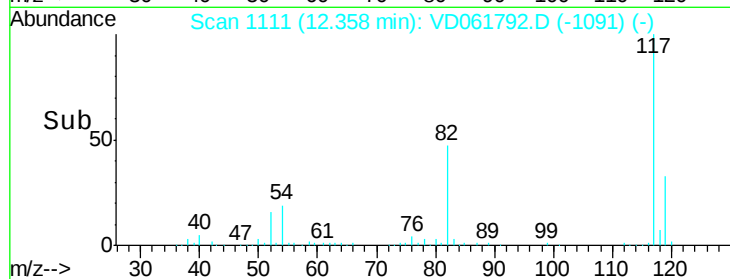
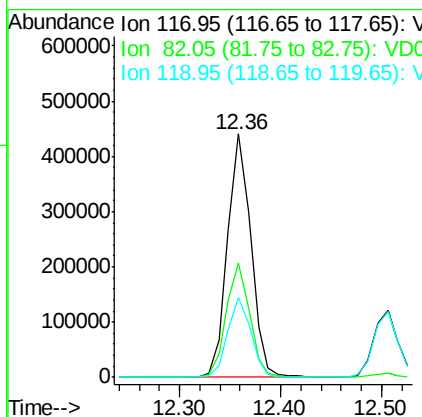
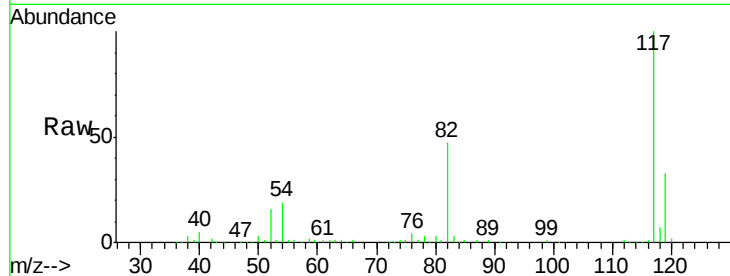
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	711023		
82	46.8	36.8	55.2	
119	32.6	26.1	39.1	

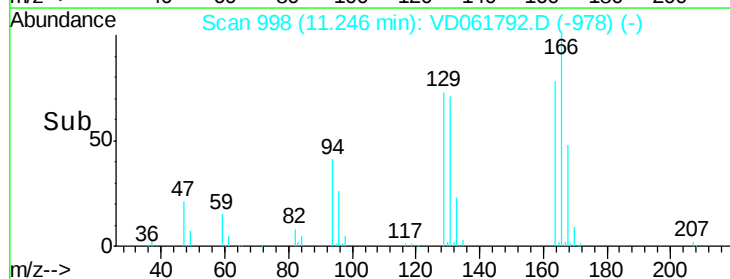
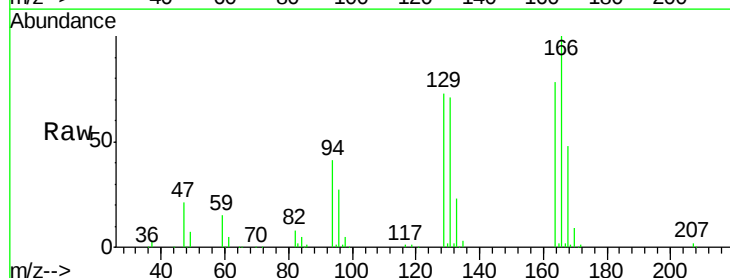
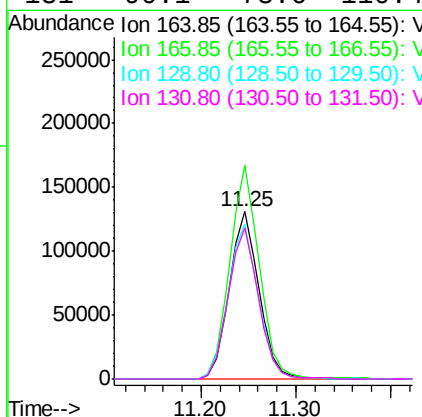
Manual Integrations
APPROVED

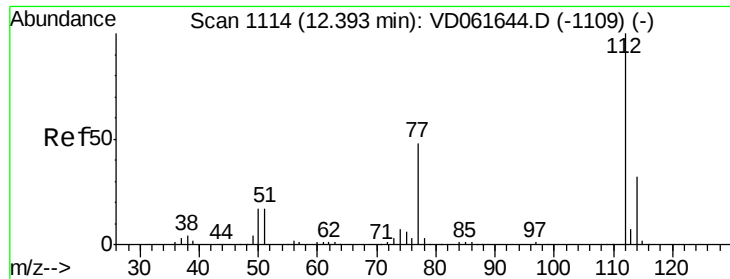
MMDadoda
4/15/2019 12:32:01 AM



#64
Tetrachloroethene
Concen: 51.311 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	283198		
166	127.7	101.8	152.8	
129	92.8	75.4	113.0	
131	90.1	73.6	110.4	





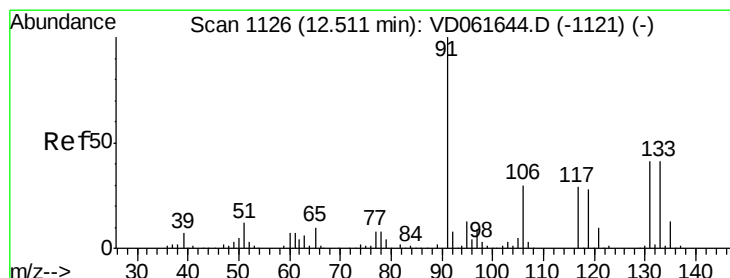
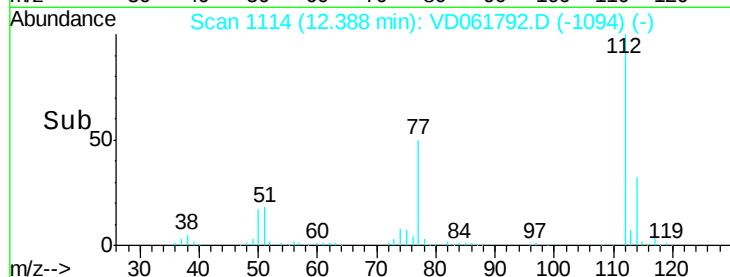
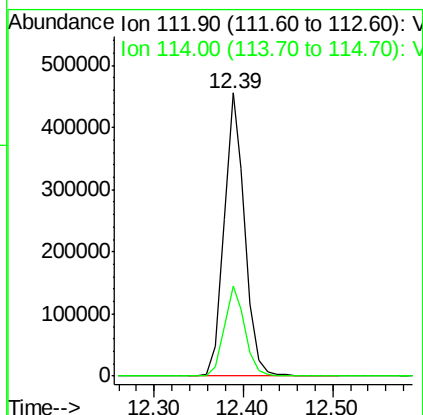
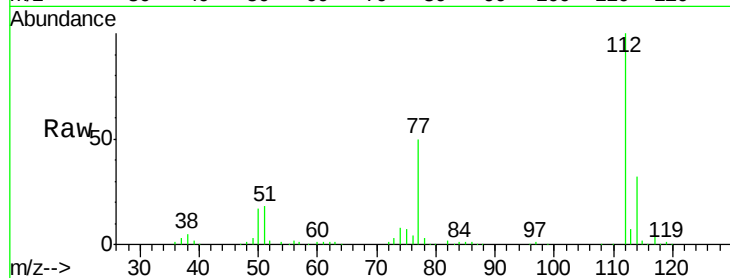
#65
Chlorobenzene
Concen: 52.403 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 738902
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

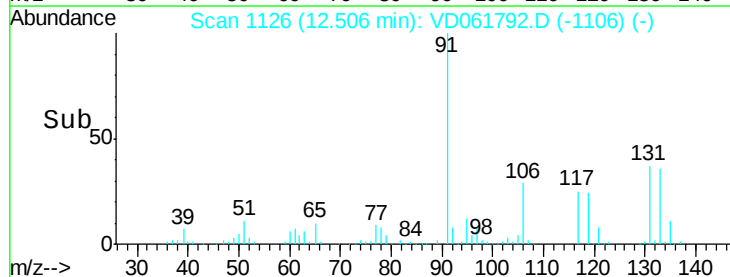
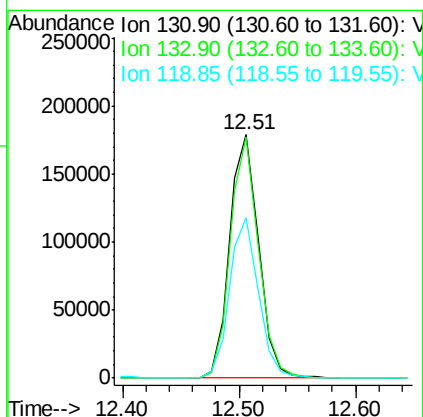
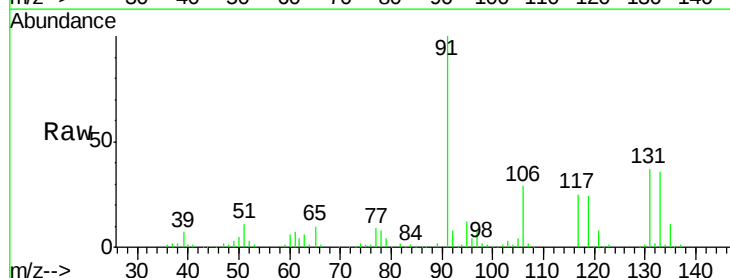
Manual Integrations
APPROVED

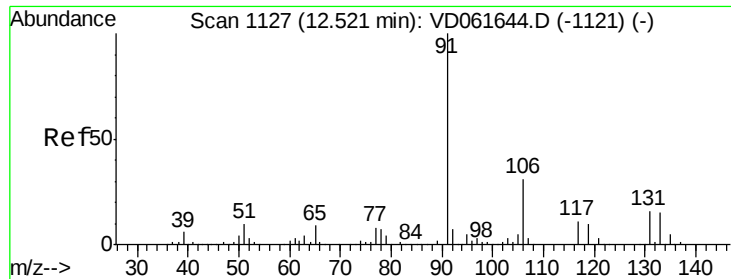
MMDadoda
4/15/2019 12:32:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.873 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:131 Resp: 308587
Ion Ratio Lower Upper
131 100
133 98.9 49.5 148.3
119 65.9 34.7 104.1





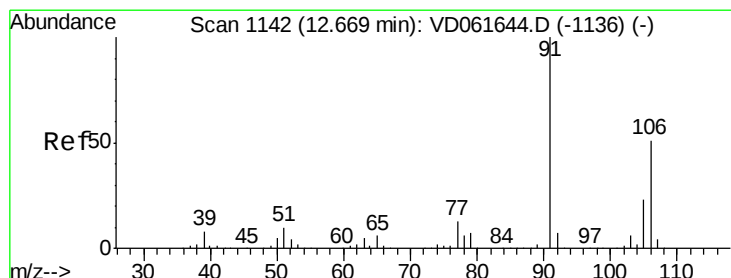
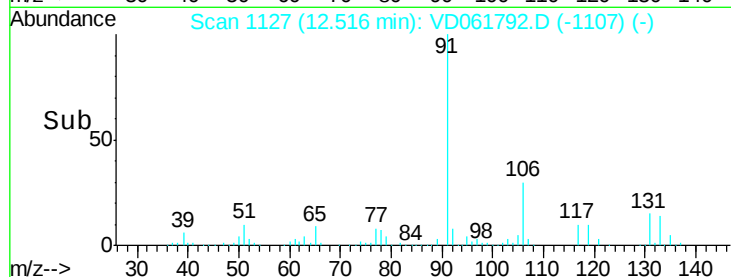
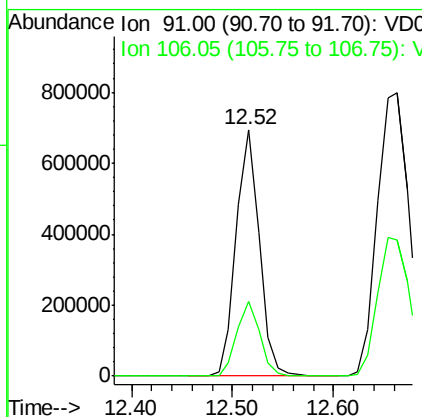
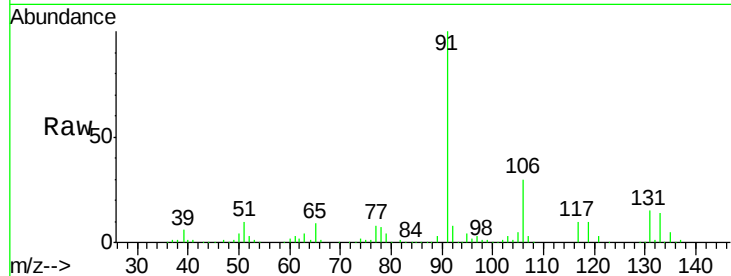
#67
Ethyl Benzene
Concen: 51.821 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1112708
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0

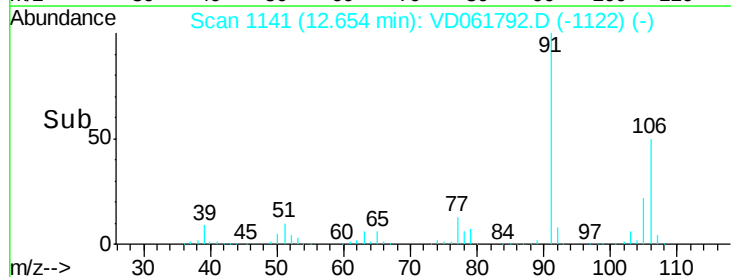
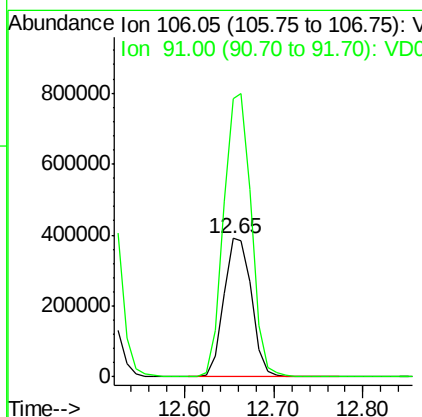
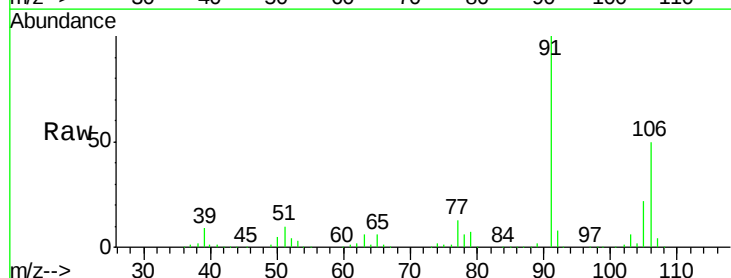
Manual Integrations
APPROVED

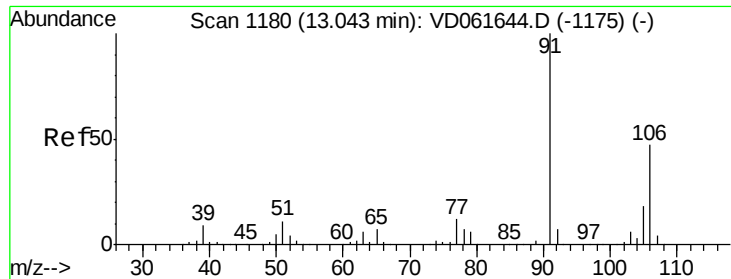
MMDadoda
4/15/2019 12:32:01 AM



#68
m/p-Xylenes
Concen: 103.147 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:106 Resp: 853846
Ion Ratio Lower Upper
106 100
91 200.8 156.7 235.1





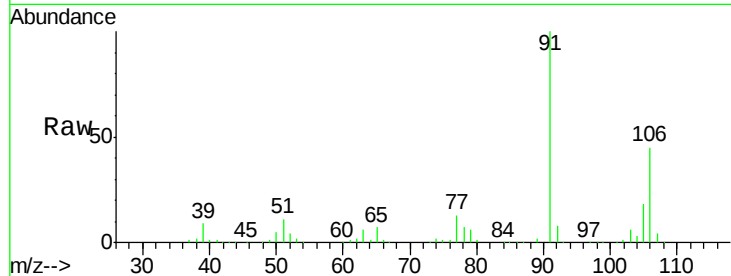
#69
o-Xylene
Concen: 46.723 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

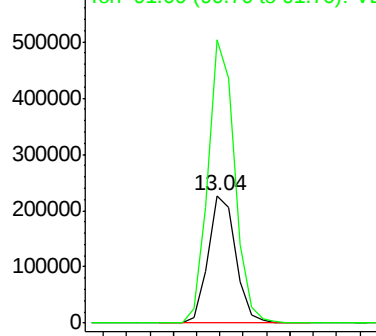
Tot Ion:106 Resp: 373354
Ion Ratio Lower Upper
106 100
91 221.5 107.3 321.9

Manual Integrations
APPROVED

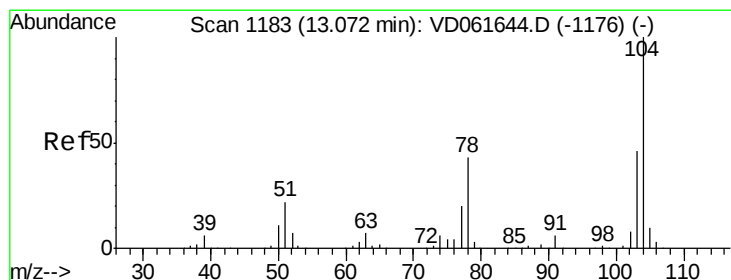
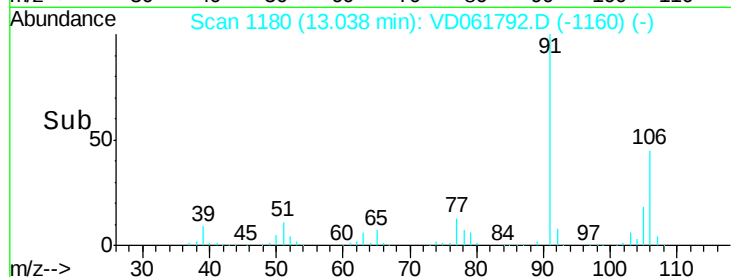
MMDadoda
4/15/2019 12:32:01 AM



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

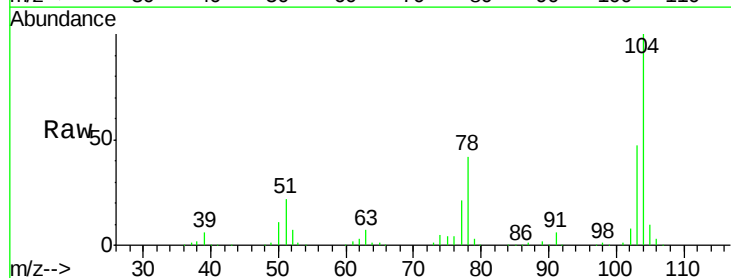


Time-->

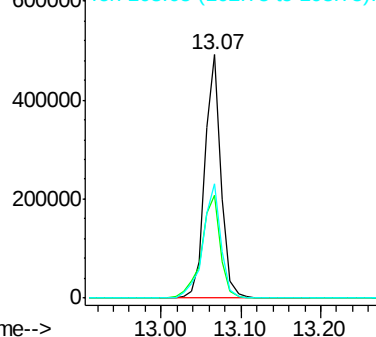


#70
Styrene
Concen: 50.969 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

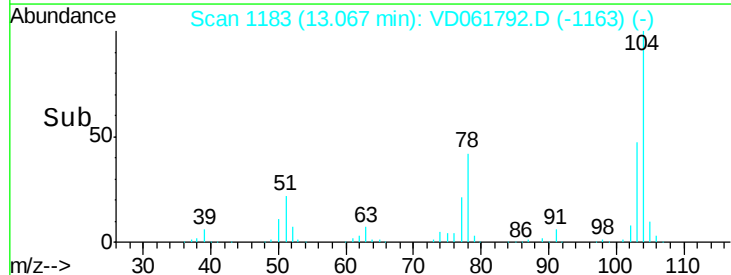
Tgt Ion:104 Resp: 695550
Ion Ratio Lower Upper
104 100
78 42.2 34.2 51.4
103 46.7 37.2 55.8

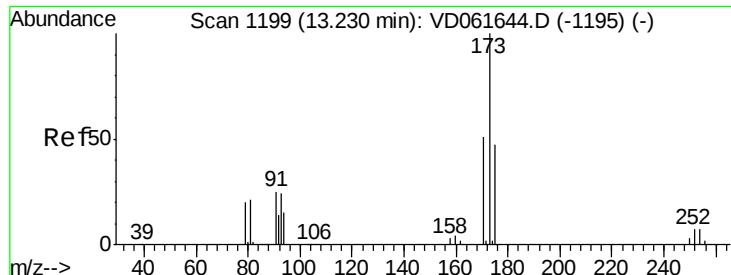


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 55.812 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 187893

Ion Ratio Lower Upper

173 100

175 48.0 23.7 71.1

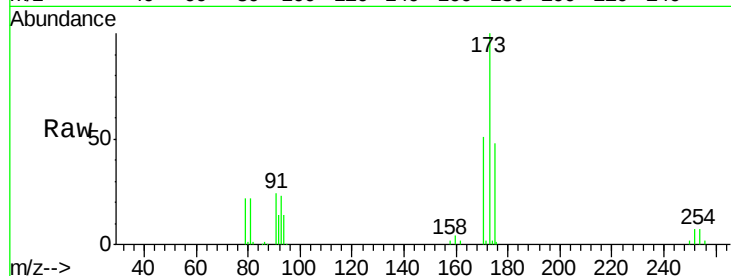
254 7.3 5.8 8.6

Manual Integrations

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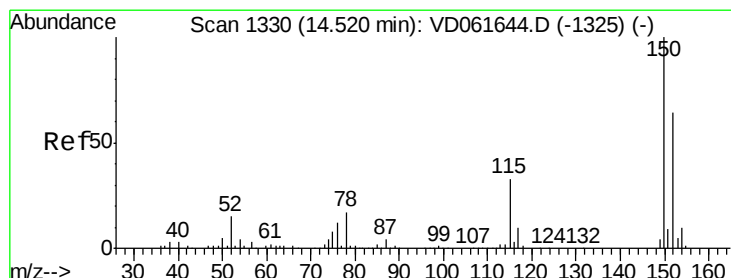
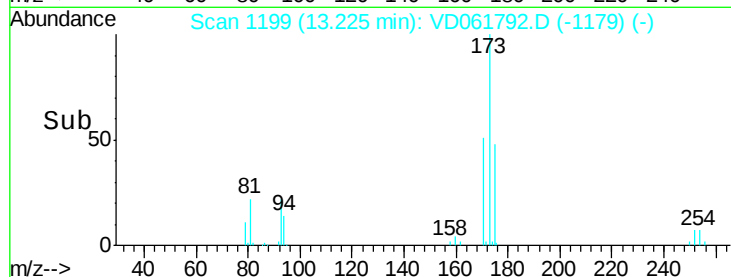
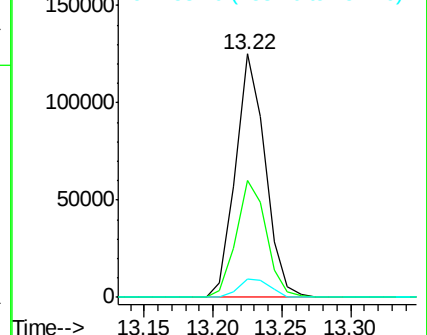
4/15/2019 12:32:01 AM



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

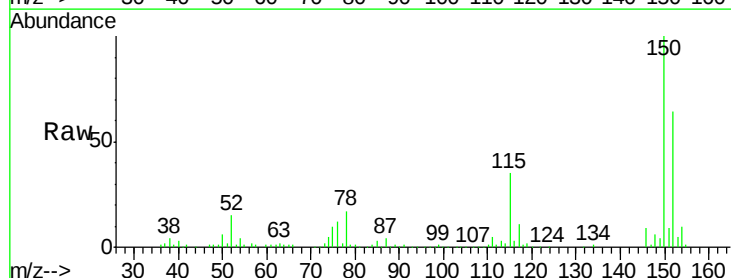
Tgt Ion:152 Resp: 329874

Ion Ratio Lower Upper

152 100

115 54.7 26.4 79.2

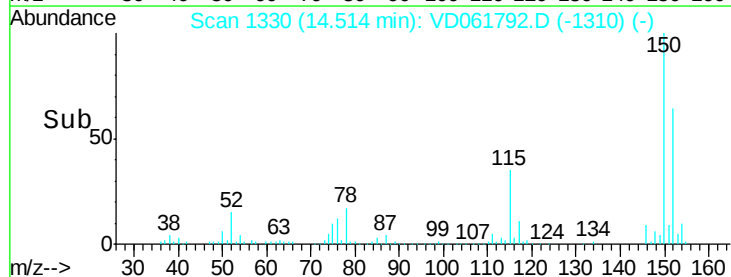
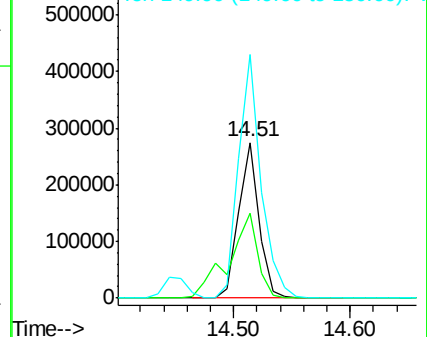
150 156.7 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.436 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1130550

Ion Ratio Lower Upper

105 100

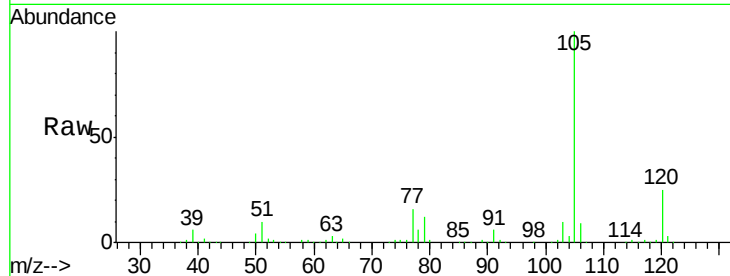
120 25.0 12.2 36.4

Manual Integrations

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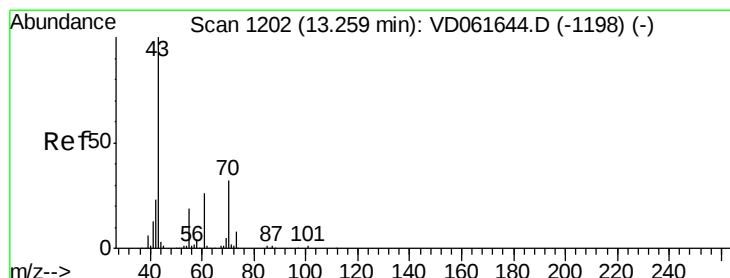
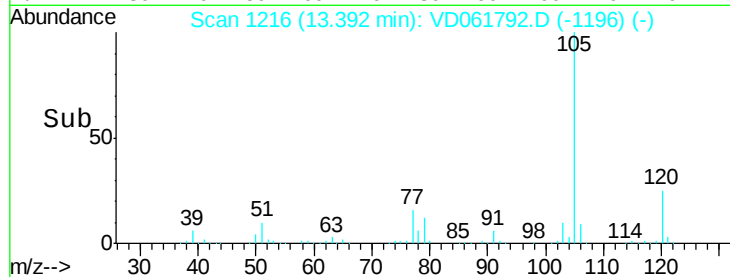
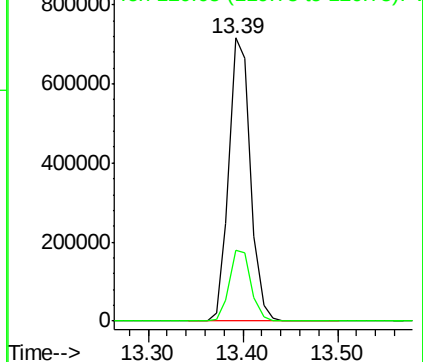
MMDadoda

4/15/2019 12:32:01 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: 52.625 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Tgt Ion: 43 Resp: 314279

Ion Ratio Lower Upper

43 100

70 28.8 25.4 38.2

55 18.8 15.0 22.4

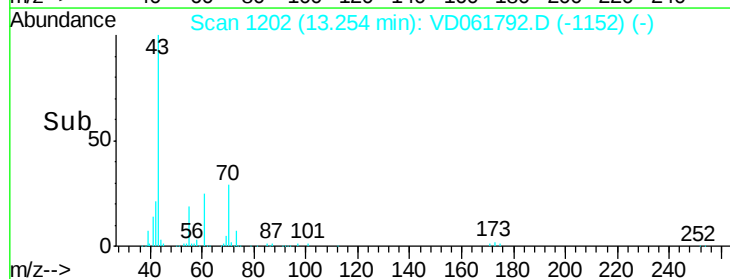
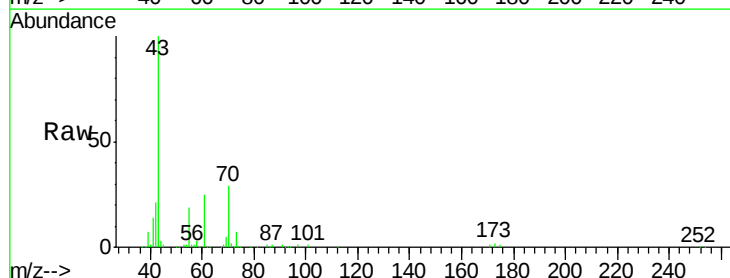
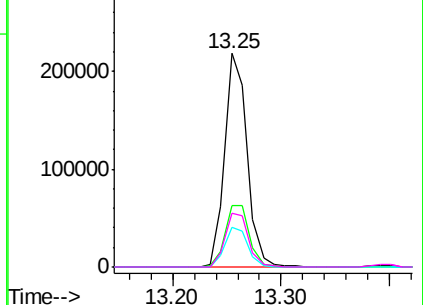
61 25.4 20.9 31.3

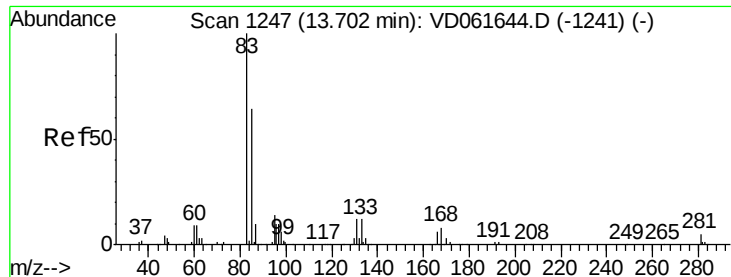
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 51.019 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

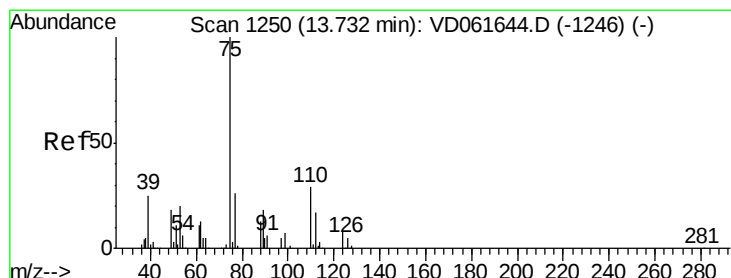
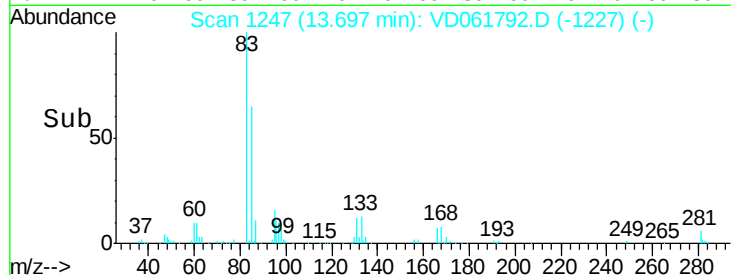
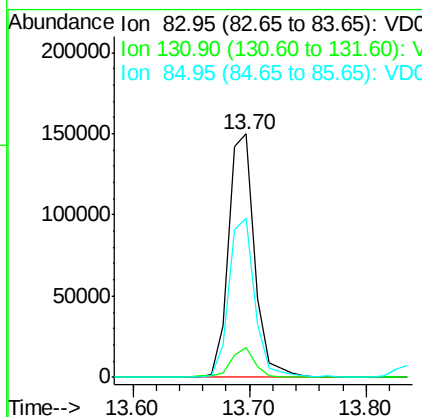
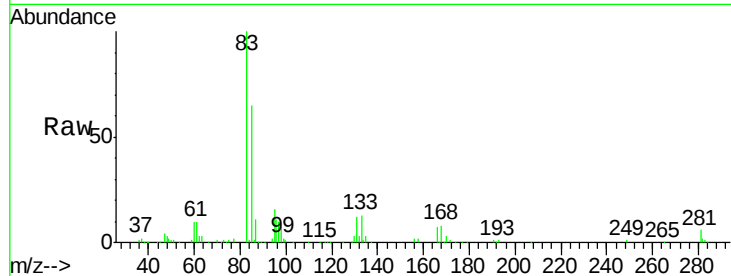
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	231866
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.9	17.6
85	65.2	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.486 ug/l

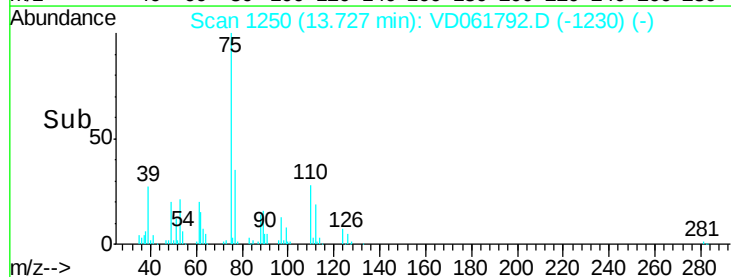
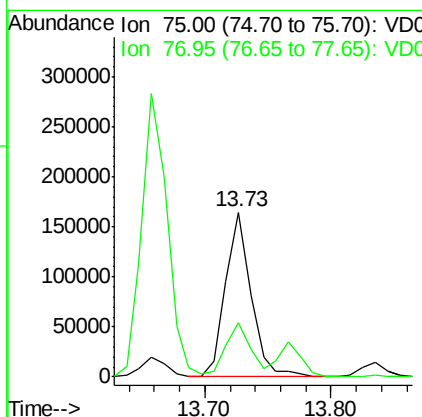
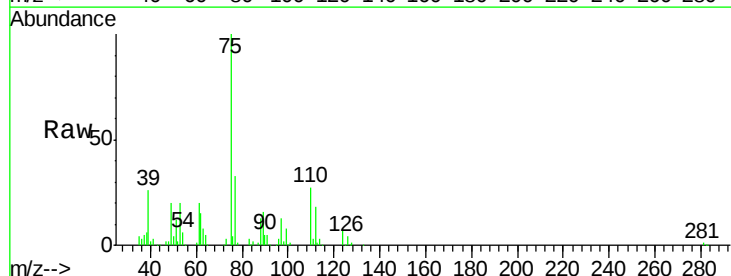
RT: 13.73 min Scan# 1250

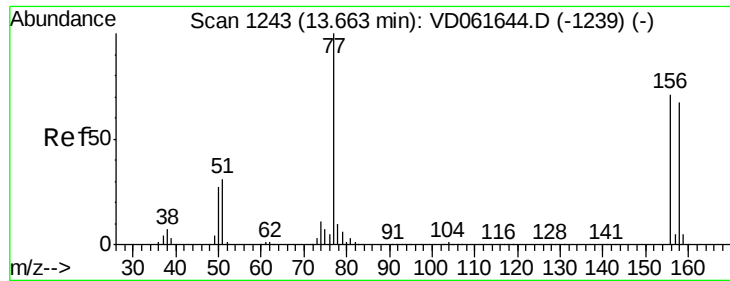
Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Tgt Ion:	75	Resp:	231065
Ion Ratio	Lower	Upper	
75	100		
77	33.1	15.7	47.1





#77

Bromobenzene

Concen: 49.963 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

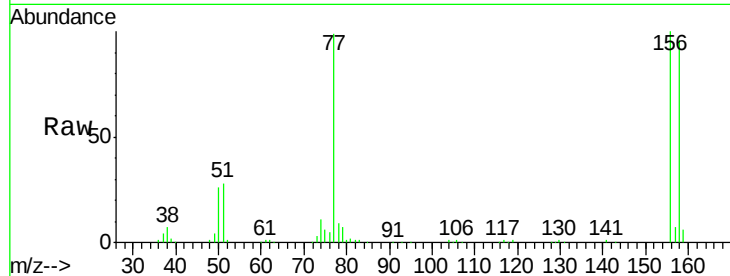
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	318760
Ion Ratio	Lower	Upper	
156	100		
77	99.0	70.3	210.8
158	95.9	47.4	142.2

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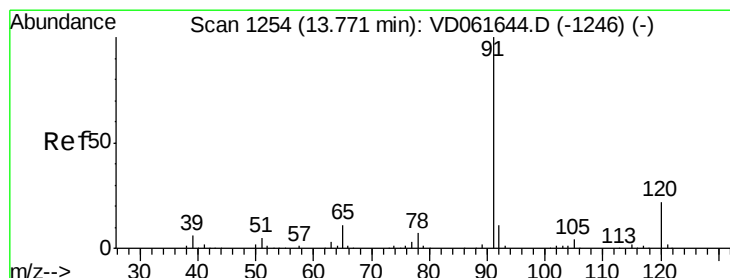
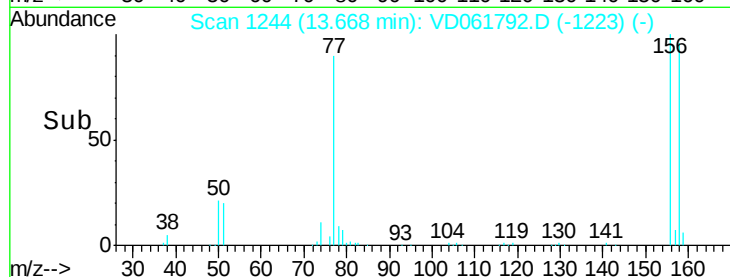
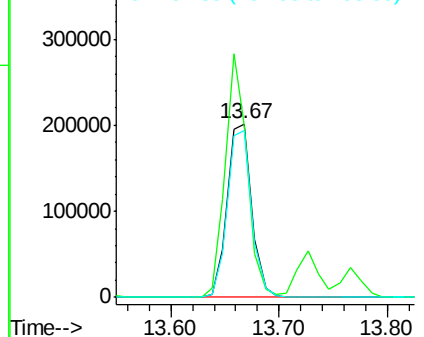
MMDadoda
4/15/2019 12:32:01 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.045 ug/l

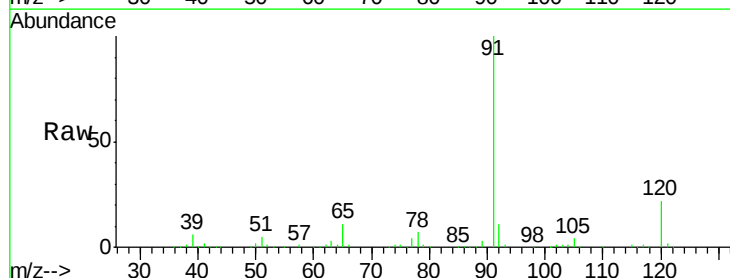
RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061792.D

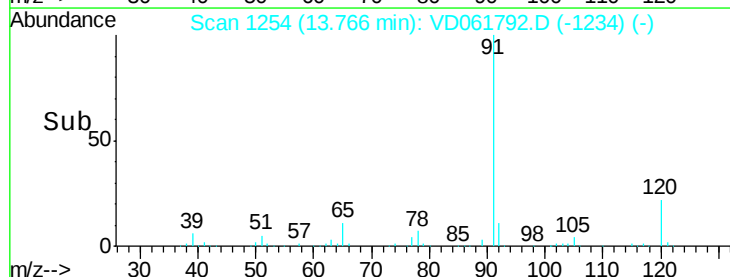
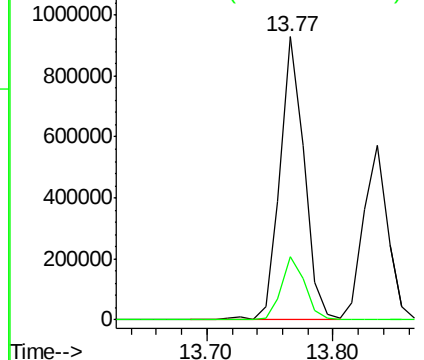
Acq: 12 Apr 2019 23:17

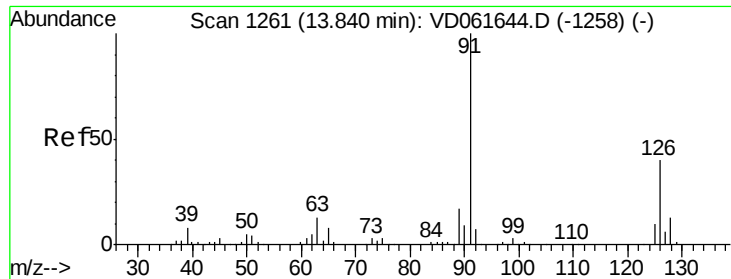
Tgt Ion:	91	Resp:	1236935
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.712 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 762470

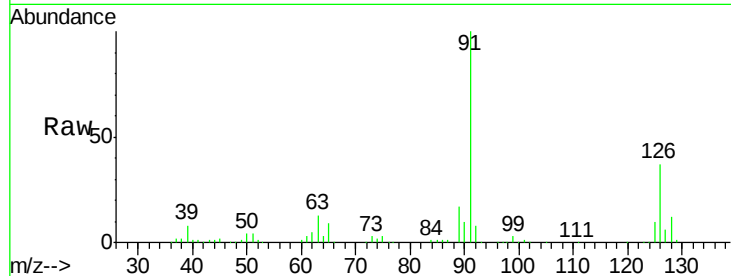
Ion Ratio Lower Upper

91 100

126 37.4 20.0 59.9

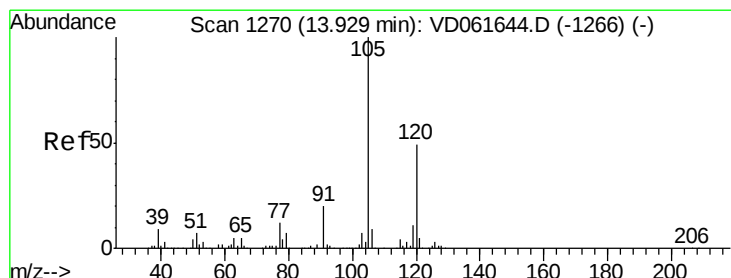
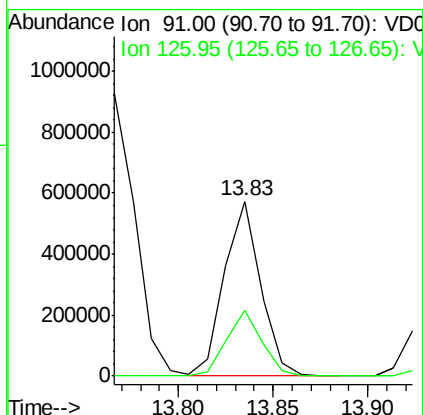
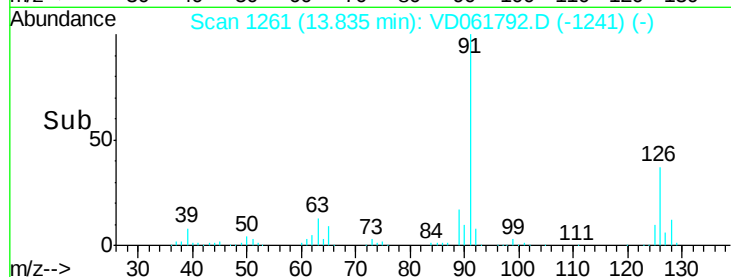
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Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.841 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD061792.D

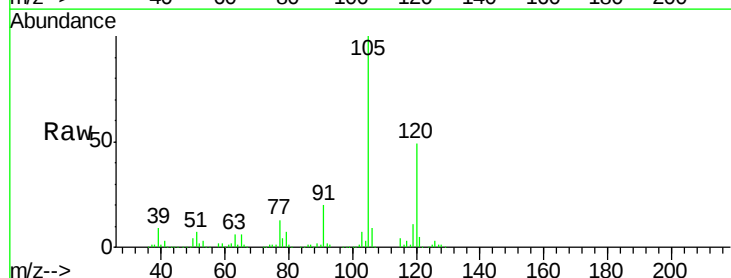
Acq: 12 Apr 2019 23:17

Tgt Ion: 105 Resp: 974184

Ion Ratio Lower Upper

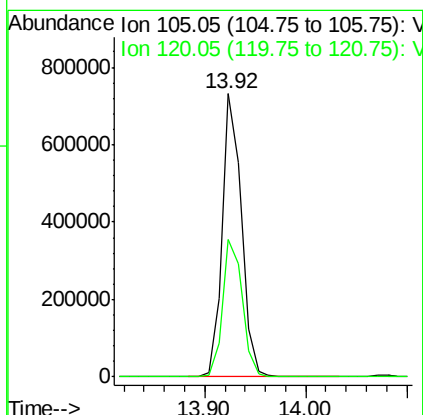
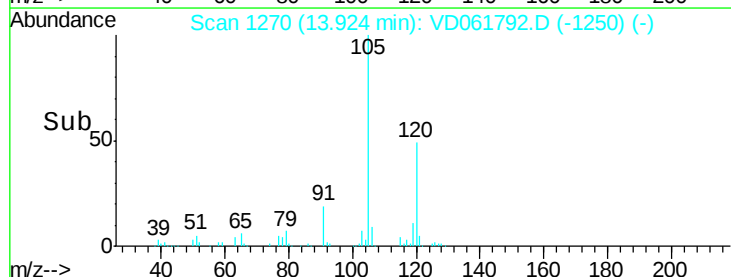
105 100

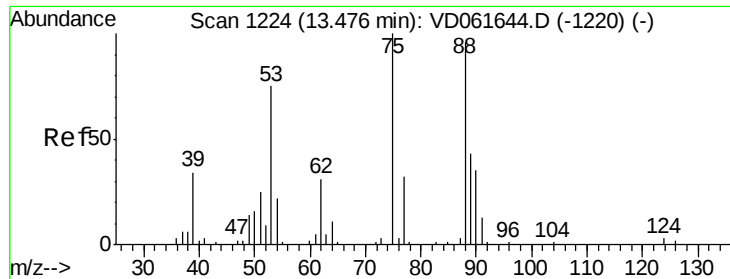
120 48.7 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)





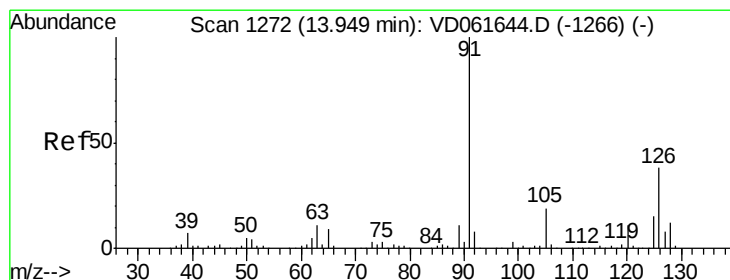
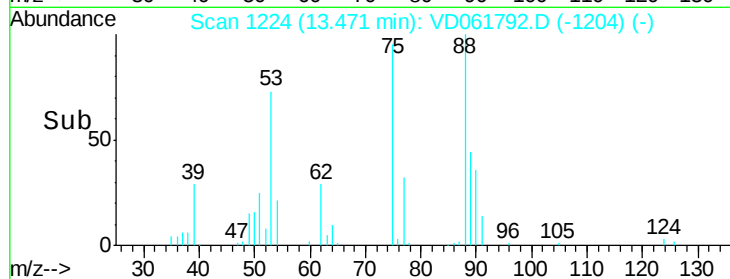
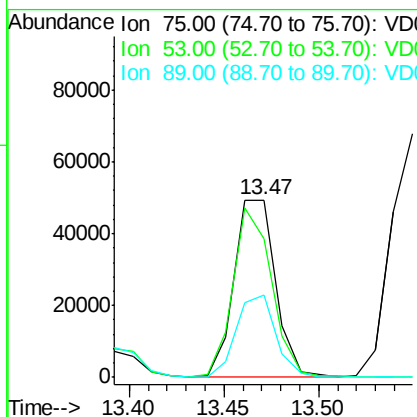
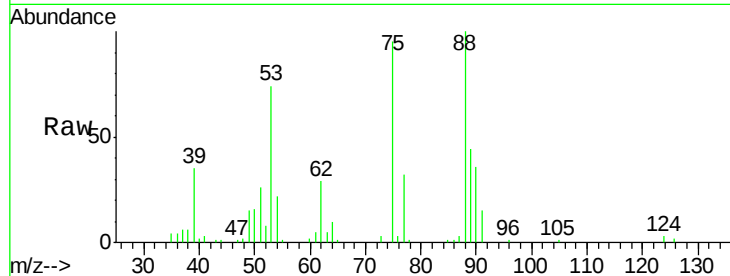
#81
trans-1,4-Dichloro-2-butene
Concen: 55.075 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	78.1	60.2	90.2
89	46.5	34.2	51.2

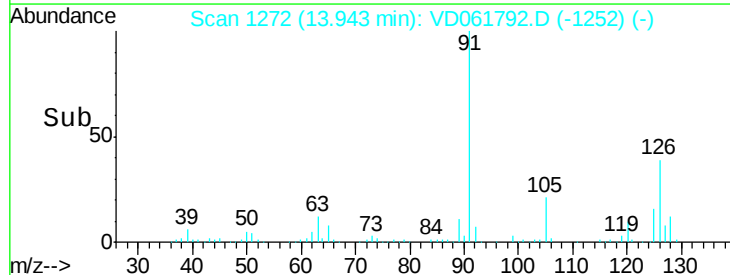
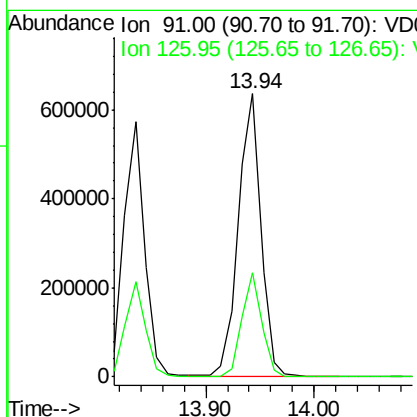
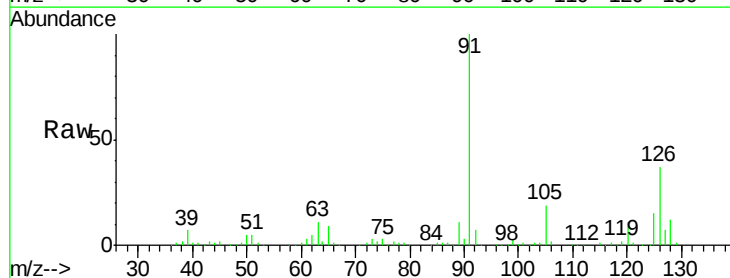
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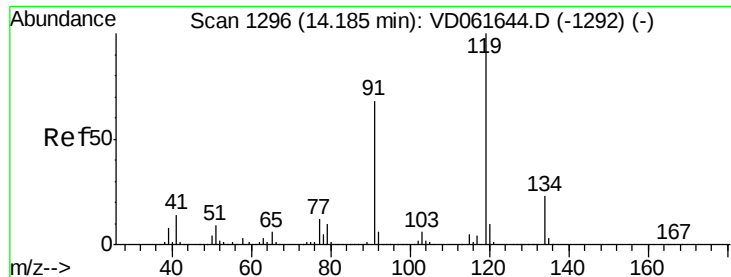
MMDadoda
4/15/2019 12:32:01 AM



#82
4-Chlorotoluene
Concen: 56.005 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	19.0	57.0





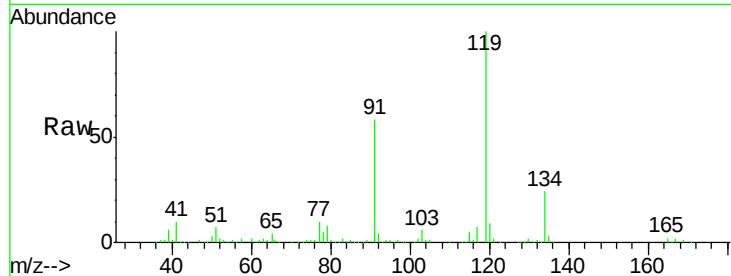
#83
tert-Butylbenzene
Concen: 56.100 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

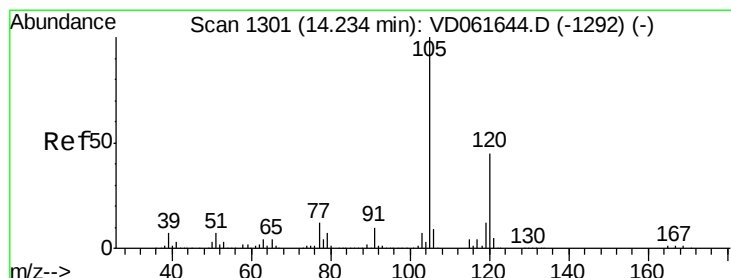
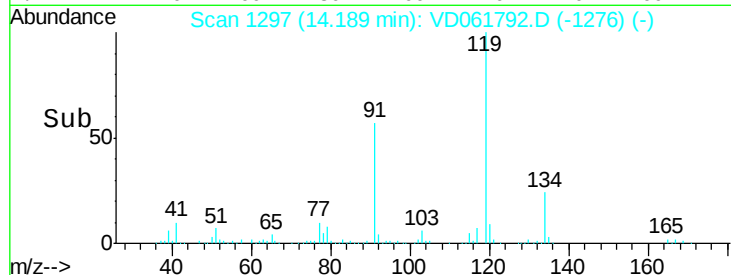
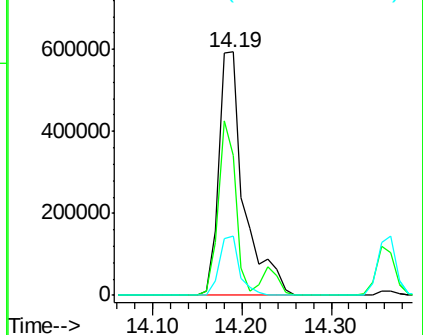
Tot Ion:119 Resp: 1180029
Ion Ratio Lower Upper
119 100
91 57.6 33.9 101.6
134 24.2 11.6 34.8

Manual Integrations
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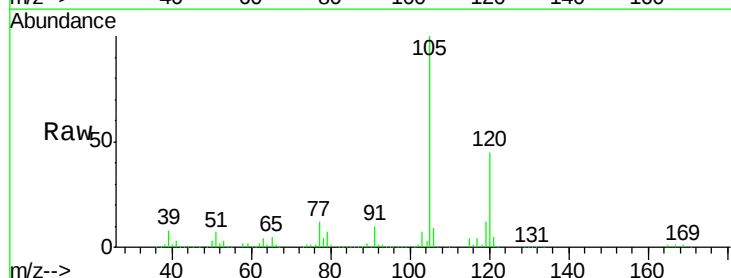


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

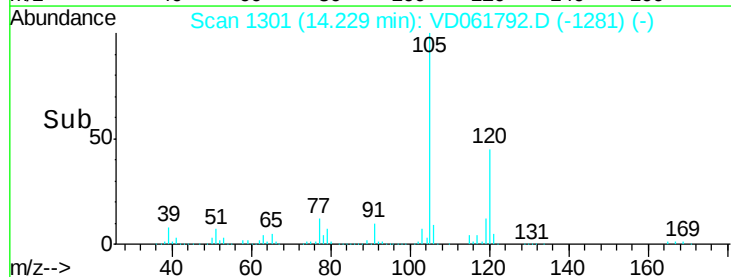
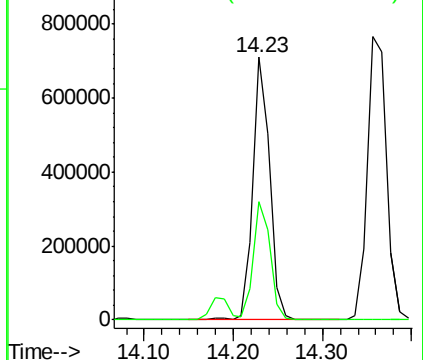


#84
1,2,4-Trimethylbenzene
Concen: 52.180 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:105 Resp: 918747
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 49.521 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 1125406

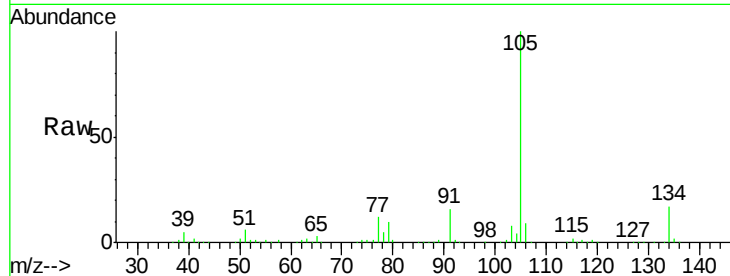
Ion Ratio Lower Upper

105 100

134 16.8 8.6 25.7

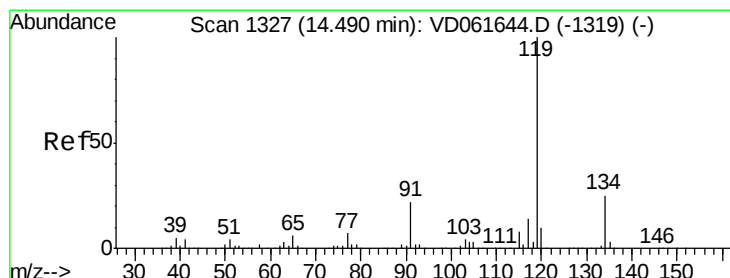
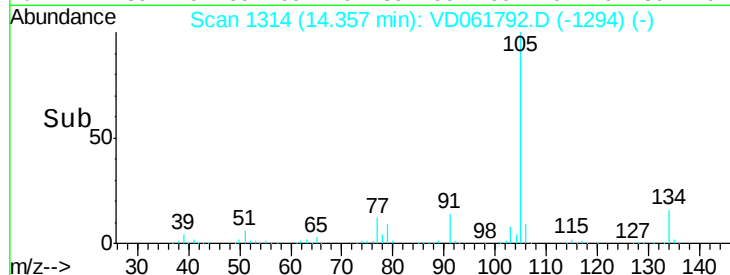
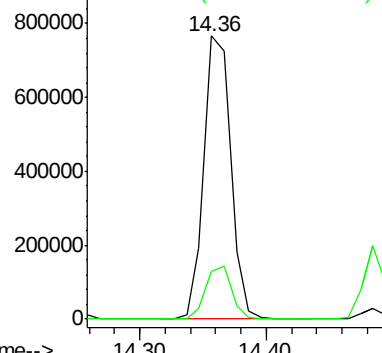
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.399 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

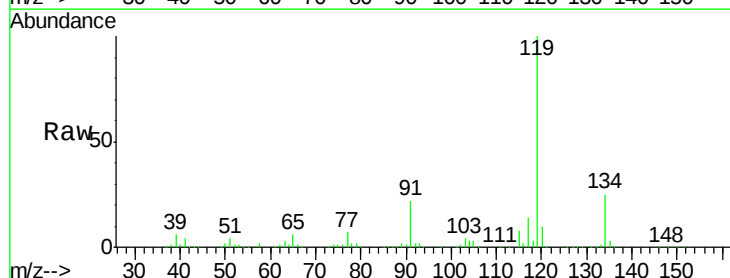
Tgt Ion:119 Resp: 973888

Ion Ratio Lower Upper

119 100

134 24.5 12.5 37.5

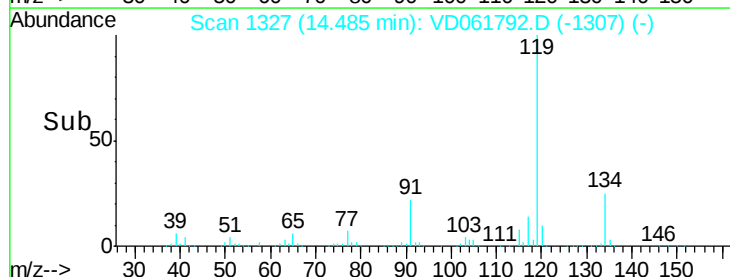
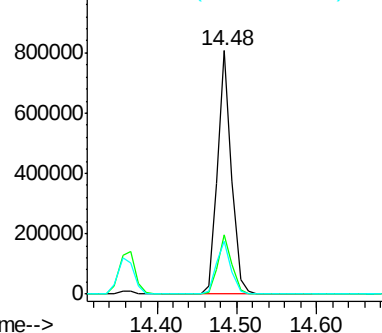
91 22.0 11.0 33.0

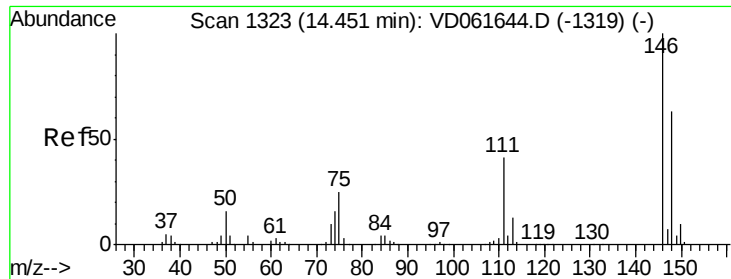


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





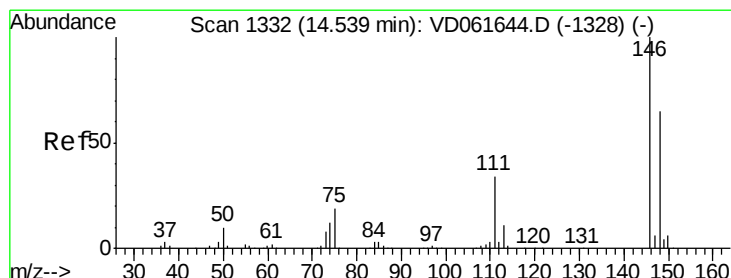
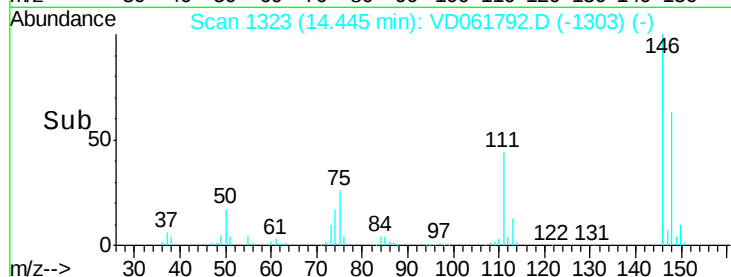
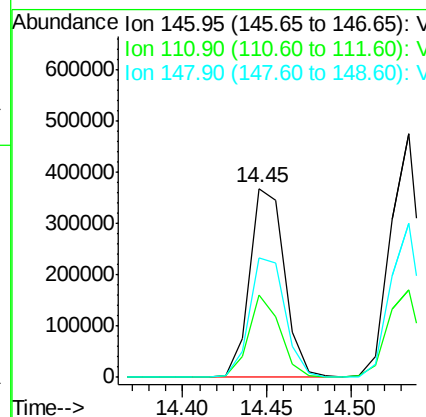
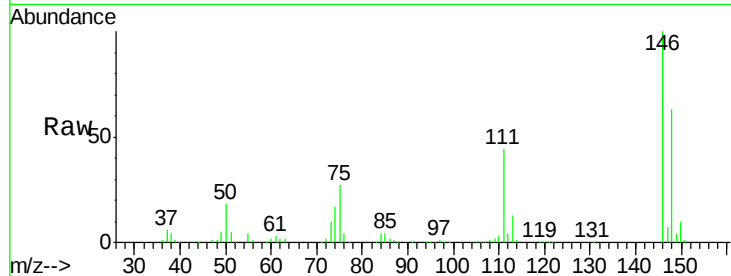
#87
 1,3-Dichlorobenzene
 Concen: 48.235 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.3	61.0
148	63.0	31.7	95.1

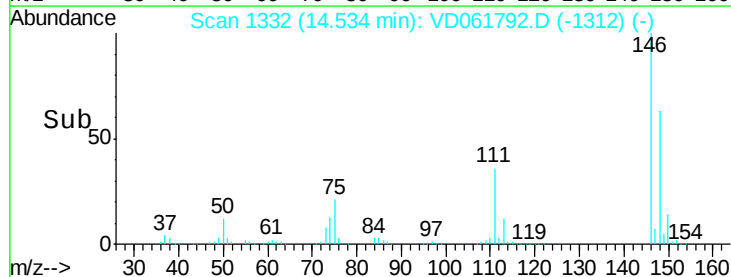
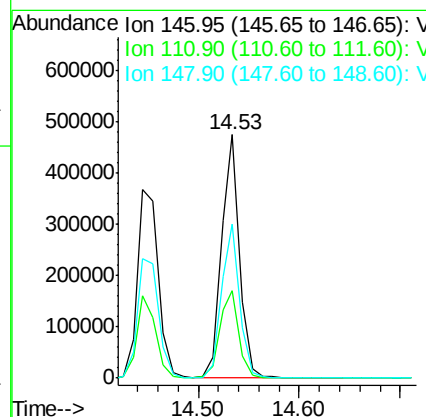
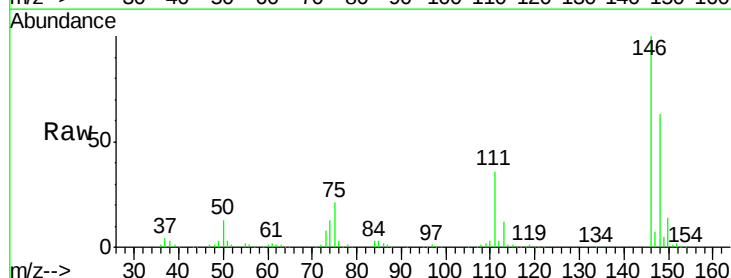
Manual Integrations
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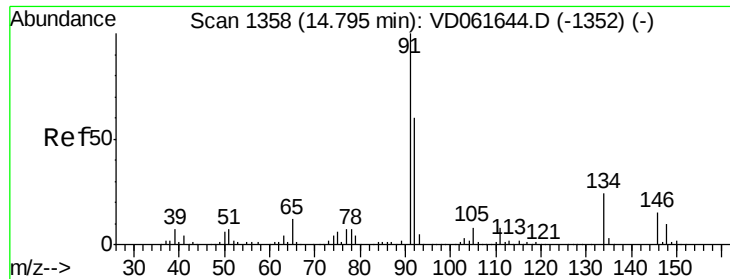
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 4/15/2019 12:32:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.143 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.1	51.2
148	63.0	32.6	97.7





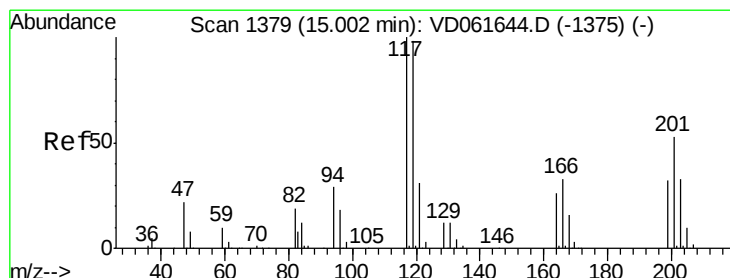
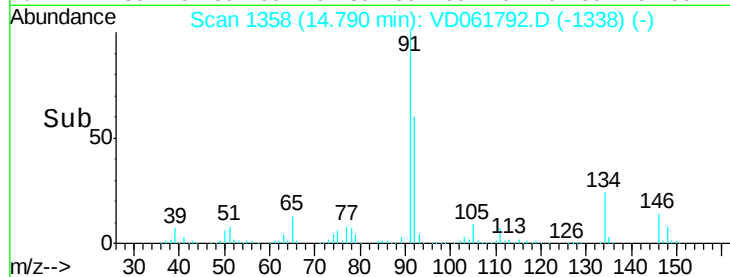
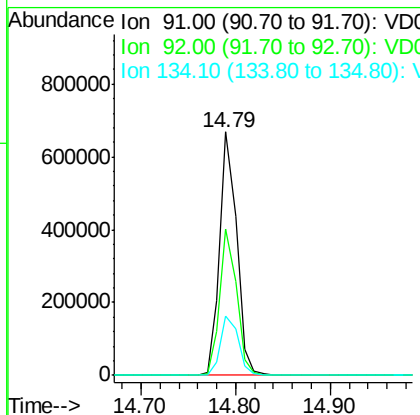
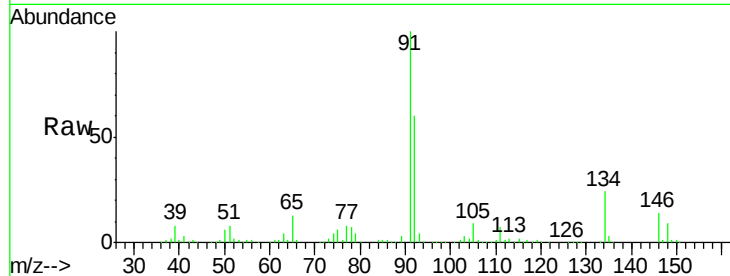
#89
n-Butylbenzene
Concen: 48.800 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.3	29.8	89.4
134	24.3	12.2	36.4

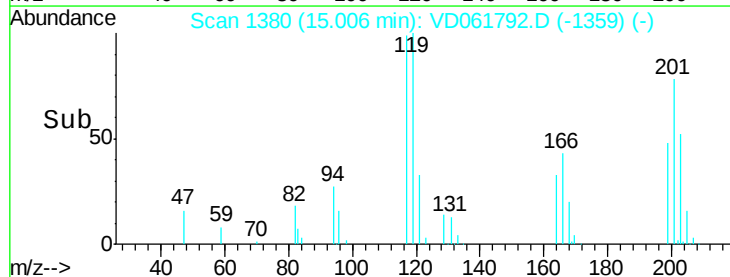
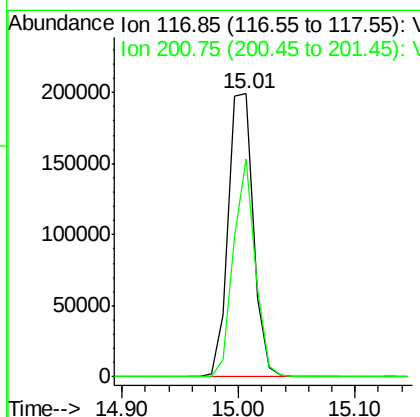
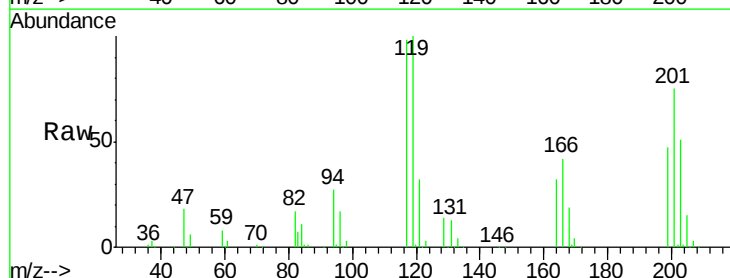
Manual Integrations
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4/15/2019 12:32:01 AM



#90
Hexachloroethane
Concen: 55.942 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	26.3	78.8





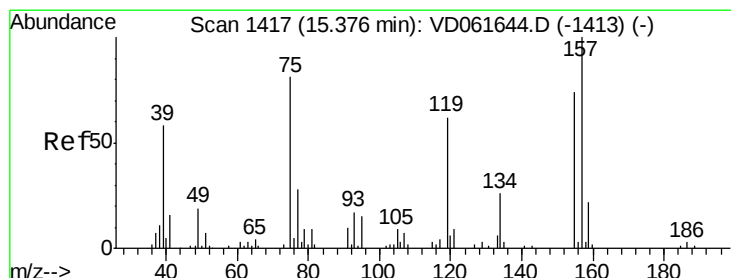
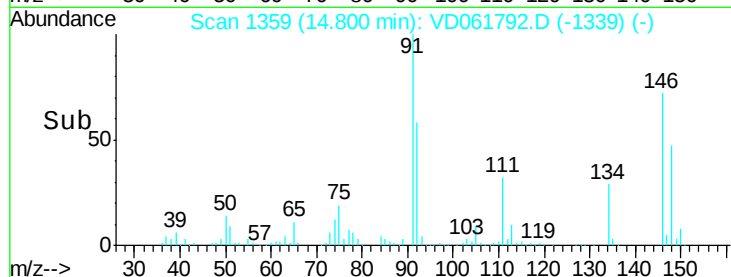
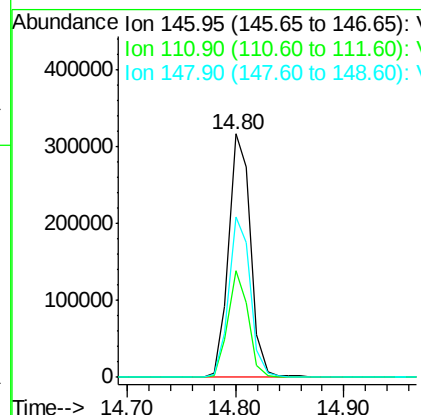
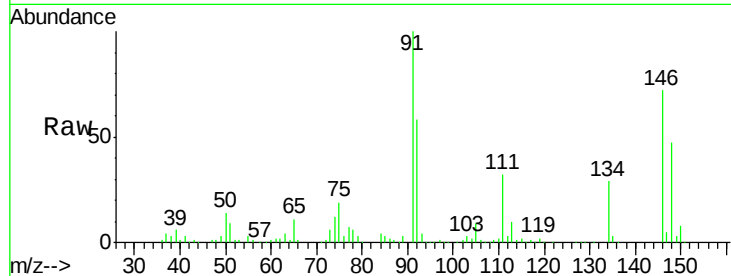
#91
 1,2-Dichlorobenzene
 Concen: 49.721 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.3
148	65.7	31.7	95.1

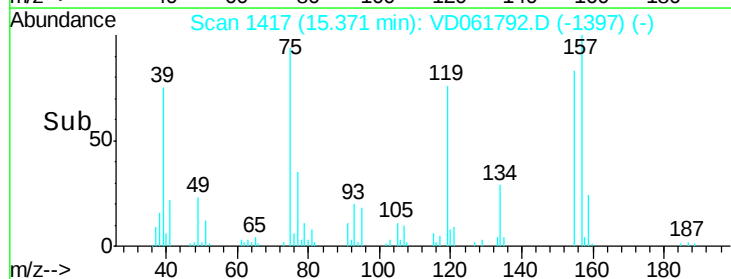
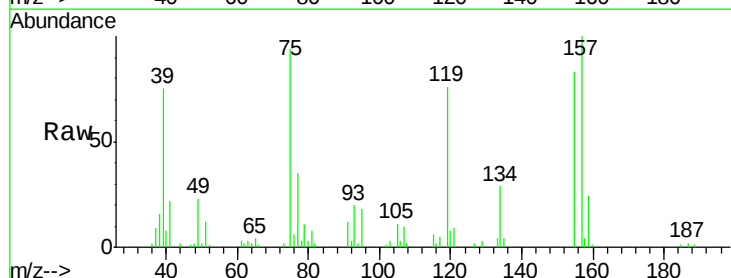
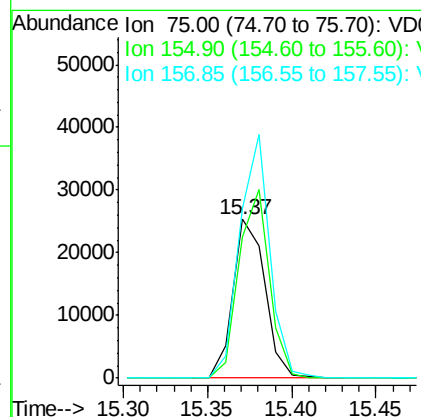
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.799 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	45.6	136.7
157	106.7	61.4	184.2





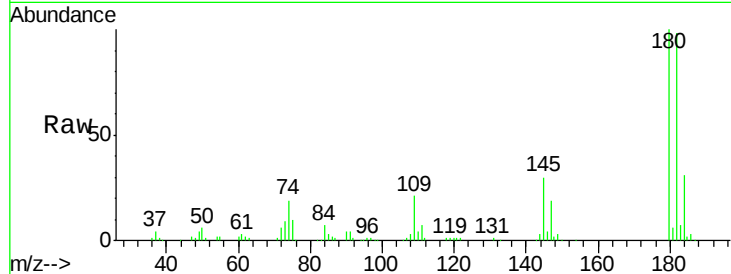
#93
 1,2,4-Trichlorobenzene
 Concen: 60.851 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

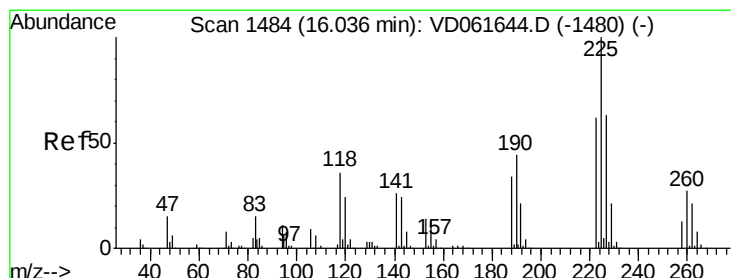
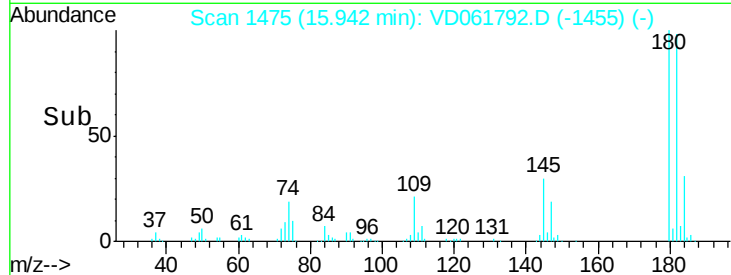
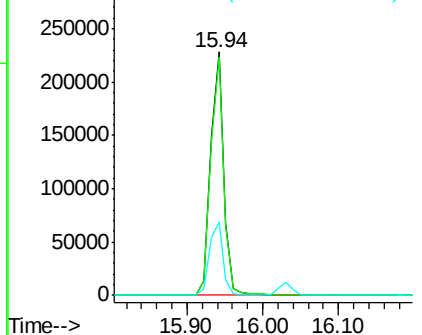
Tot Ion	Ratio	Resp	Lower	Upper
180	100	280548		
182	98.2	47.8	143.3	
145	29.9	13.3	39.8	

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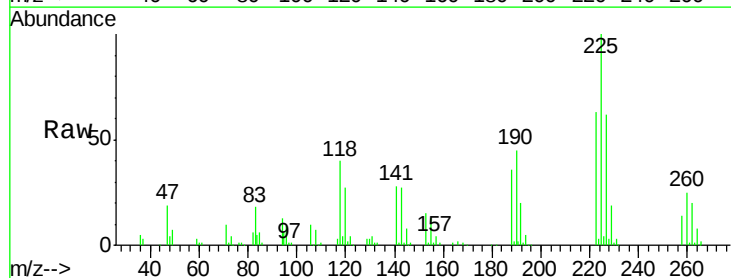


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

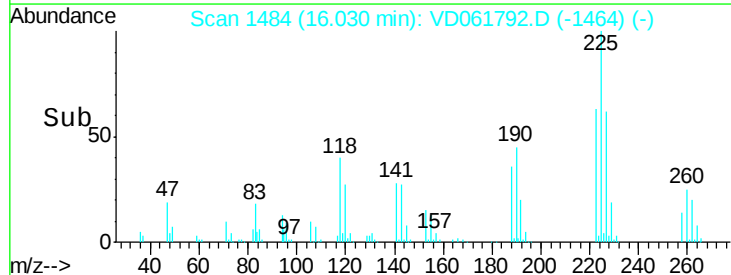
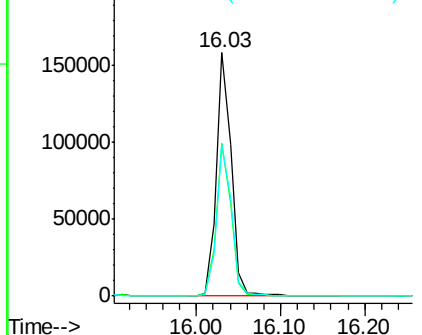


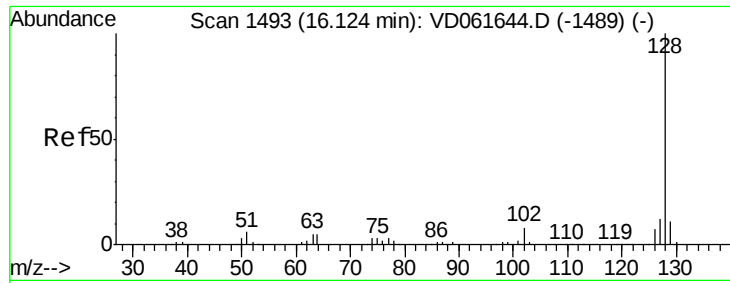
#94
 Hexachlorobutadiene
 Concen: 54.550 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	194196		
223	63.0	30.8	92.3	
227	62.4	31.5	94.5	



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





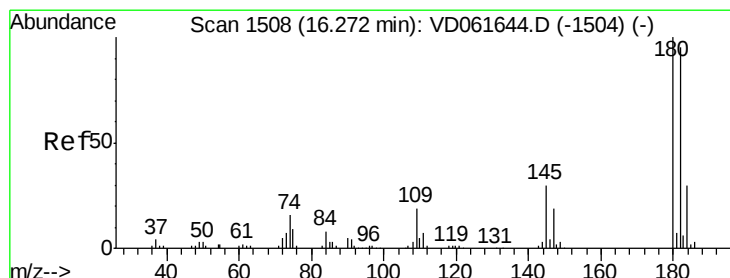
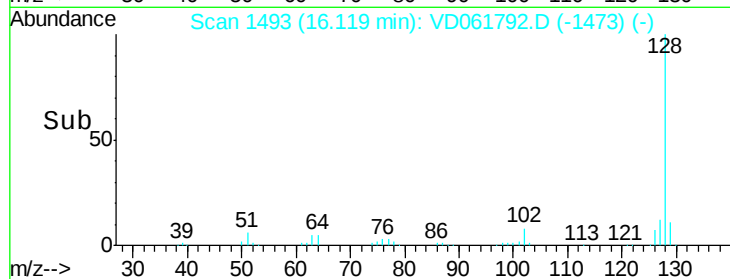
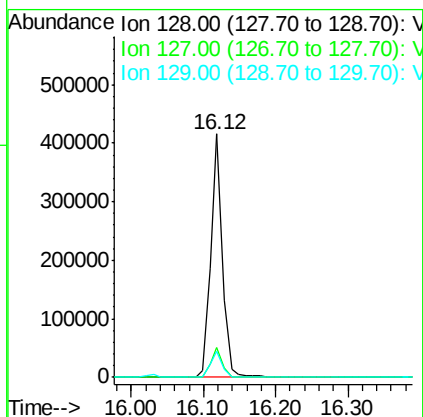
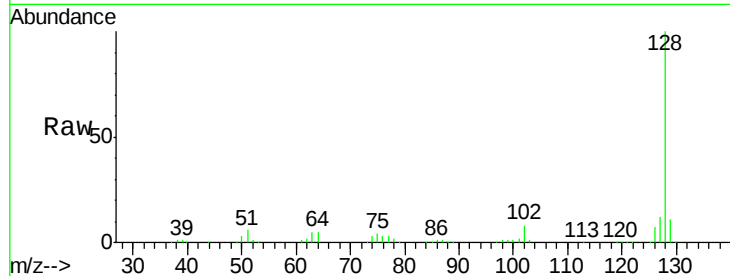
#95
Naphthalene
Concen: 63.512 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.4	14.2
129	10.6	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 78.131 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	142.0
145	31.3	15.1	45.3

