

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010627.D
 Acq On : 30 May 2019 21:00
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/1/2019 4:27:17 AM

Quant Time: May 31 08:55:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	117975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	206192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	68205	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
35) Dibromofluoromethane	7.88	113	69907	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	
50) Toluene-d8	10.32	98	264115	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
62) 4-Bromofluorobenzene	12.62	95	104306	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47124	44.807	ug/l	99
3) Chloromethane	2.21	50	52263	42.164	ug/l	97
4) Vinyl Chloride	2.36	62	57671	40.167	ug/l	99
5) Bromomethane	2.76	94	47497	48.086	ug/l	97
6) Chloroethane	2.91	64	41014	44.499	ug/l	97
7) Trichlorofluoromethane	3.26	101	109544	51.678	ug/l	96
8) Diethyl Ether	3.68	74	36698	54.615	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	68361	52.367	ug/l	99
10) Methyl Iodide	4.27	142	61337	41.108	ug/l	98
11) Tert butyl alcohol	5.19	59	26250	239.657	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	64800	52.001	ug/l	93
13) Acrolein	3.90	56	16776	264.112	ug/l	96
14) Allyl chloride	4.67	41	89121	49.408	ug/l	99
15) Acrylonitrile	5.37	53	73754	262.089	ug/l	98
16) Acetone	4.13	43	54792	220.438	ug/l	99
17) Carbon Disulfide	4.37	76	165865	44.625	ug/l	100
18) Methyl Acetate	4.67	43	33571	55.224	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	177517	55.880	ug/l	98
20) Methylene Chloride	4.92	84	69197	47.158	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	75436	52.777	ug/l	98
22) Diisopropyl ether	6.31	45	197196	53.317	ug/l	97
23) Vinyl Acetate	6.26	43	580675	262.831	ug/l	99
24) 1,1-Dichloroethane	6.21	63	119837	54.295	ug/l	99
25) 2-Butanone	7.17	43	93868	263.887	ug/l	97
26) 2,2-Dichloropropane	7.17	77	102501	48.754	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	85746	55.180	ug/l	98
28) Bromochloromethane	7.51	49	45938	58.132	ug/l	95
29) Tetrahydrofuran	7.52	42	62641	260.243	ug/l	98
30) Chloroform	7.68	83	134879	56.655	ug/l	99
31) Cyclohexane	7.95	56	108875	47.092	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	121139	53.238	ug/l	98
36) 1,1-Dichloropropene	8.08	75	100275	52.205	ug/l	99
37) Ethyl Acetate	7.25	43	42950	52.583	ug/l	97
38) Carbon Tetrachloride	8.07	117	108375	52.304	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	129286	50.240	ug/l	96
40) Benzene	8.32	78	292006	54.696	ug/l	99
41) Methacrylonitrile	7.48	41	24052	49.558	ug/l	99
42) 1,2-Dichloroethane	8.40	62	83894	54.982	ug/l	99
43) Isopropyl Acetate	8.43	43	85208	52.217	ug/l	98
44) Trichloroethene	9.09	130	87308	55.086	ug/l	99
45) 1,2-Dichloropropane	9.37	63	69018	54.434	ug/l	97
46) Dibromomethane	9.46	93	42102	56.779	ug/l	96
47) Bromodichloromethane	9.65	83	100704	54.043	ug/l	100
48) Methyl methacrylate	9.43	41	38517	51.595	ug/l	97
49) 1,4-Dioxane	9.45	88	11180	922.970	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	223317	270.074	ug/l	99
52) Toluene	10.39	92	195693	54.581	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	98628	52.261	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	115270	53.482	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	60914	57.126	ug/l	98
56) Ethyl methacrylate	10.65	69	79161	53.829	ug/l	98
57) 1,3-Dichloropropane	10.93	76	101034	56.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	178491	274.021	ug/l	97
59) 2-Hexanone	10.97	43	151926	257.568	ug/l	98
60) Dibromochloromethane	11.13	129	75385	55.861	ug/l	100
61) 1,2-Dibromoethane	11.23	107	61650	57.075	ug/l	99
64) Tetrachloroethene	10.86	164	78368	60.710	ug/l	97
65) Chlorobenzene	11.66	112	218914	55.469	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	78493	55.521	ug/l	100
67) Ethyl Benzene	11.73	91	371280	53.285	ug/l	100
68) m/p-Xylenes	11.84	106	292439	107.003	ug/l	98
69) o-Xylene	12.16	106	140446	54.239	ug/l	98
70) Styrene	12.18	104	242238	55.136	ug/l	98
71) Bromoform	12.35	173	41650	53.498	ug/l #	100
73) Isopropylbenzene	12.46	105	374270	51.531	ug/l	100
74) N-amyl acetate	12.27	43	80610	48.433	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	69398	52.532	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	48103m	51.776	ug/l	
77) Bromobenzene	12.75	156	90943	55.953	ug/l	96
78) n-propylbenzene	12.80	91	426353	50.371	ug/l	99
79) 2-Chlorotoluene	12.90	91	254103	51.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	312381	50.782	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	20398	45.821	ug/l	96
82) 4-Chlorotoluene	12.99	91	262158	51.455	ug/l	99
83) tert-Butylbenzene	13.21	119	272865	50.782	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	311104	50.779	ug/l	100
85) sec-Butylbenzene	13.38	105	377917	50.258	ug/l	99
86) p-Isopropyltoluene	13.50	119	341822	50.222	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	171753	53.861	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	173069	54.094	ug/l	100
89) n-Butylbenzene	13.83	91	314258	48.542	ug/l	99
90) Hexachloroethane	14.10	117	66810	50.714	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	157468	54.196	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11868	48.314	ug/l	98

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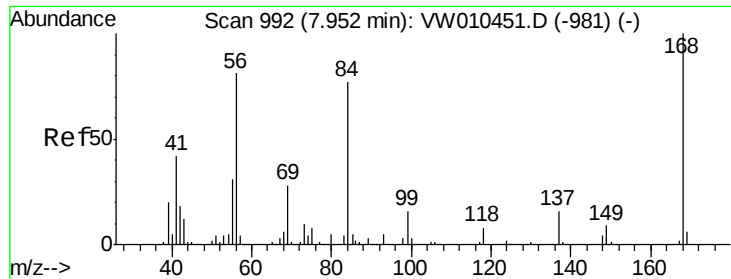
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	106253	53.748	ug/l	100
94) Hexachlorobutadiene	15.24	225	56410	53.414	ug/l	99
95) Naphthalene	15.37	128	217411	52.391	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	92241	54.226	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

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VSTDCCC050EC

Tot Ion:168 Resp: 117975

Ion Ratio Lower Upper

168 100

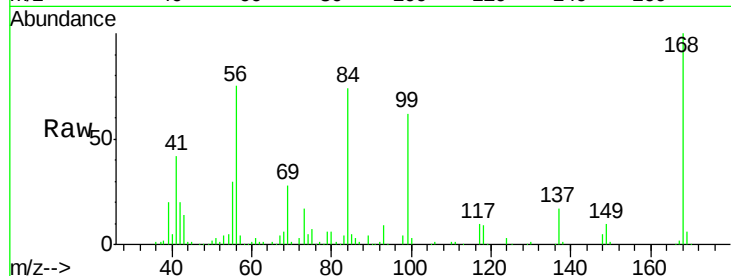
99 61.4 46.1 69.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

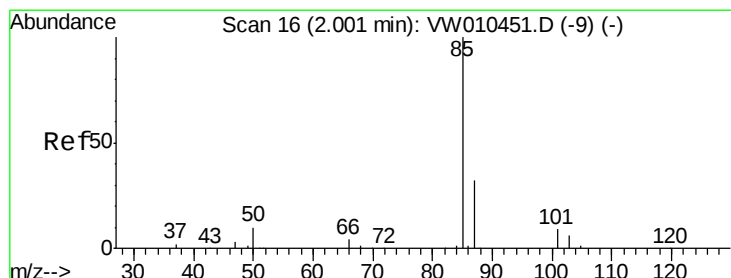
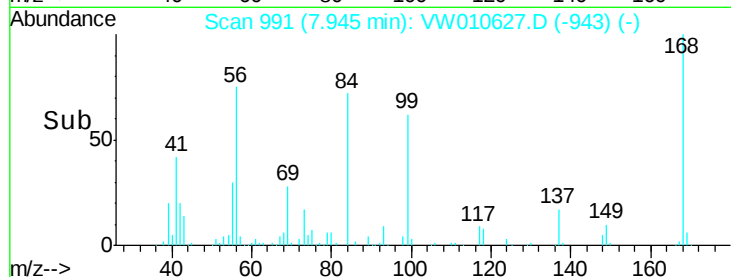
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.807 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010627.D

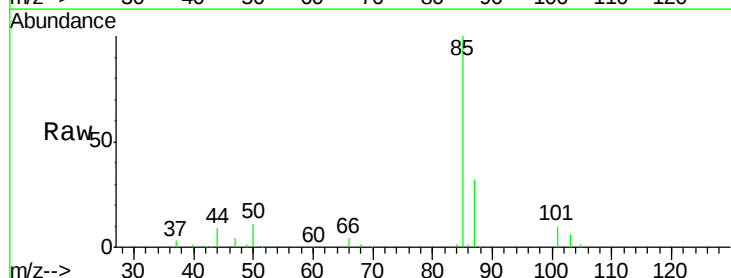
Acq: 30 May 2019 21:00

Tgt Ion: 85 Resp: 47124

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

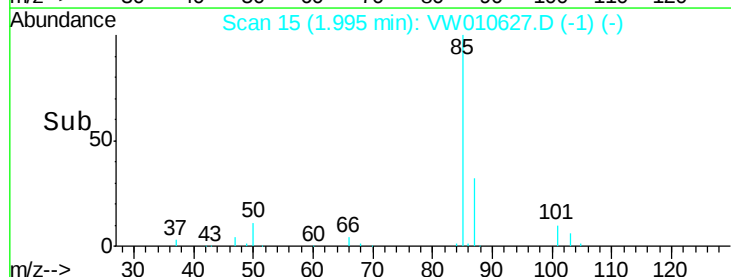
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 42.164 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 52263

Ion Ratio Lower Upper

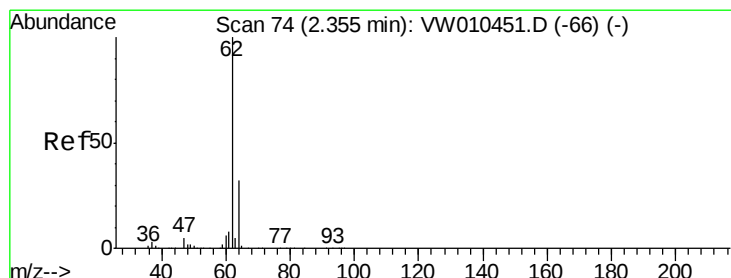
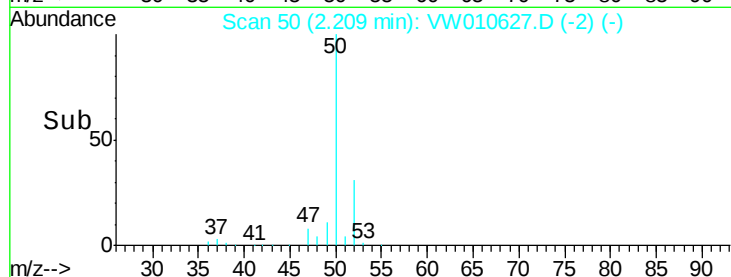
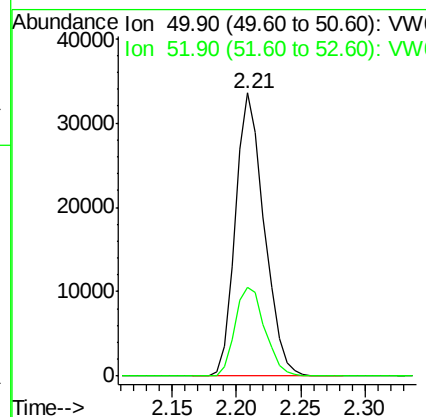
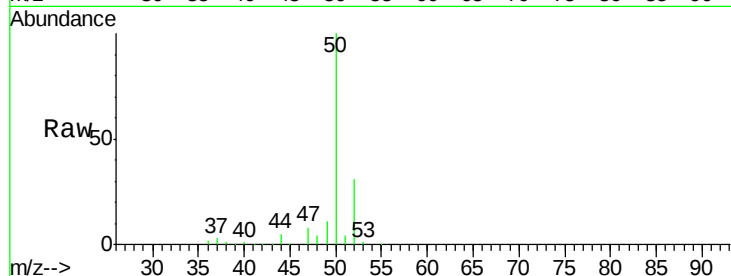
50 100

52 31.4 26.3 39.5

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#4

Vinyl Chloride

Concen: 40.167 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010627.D

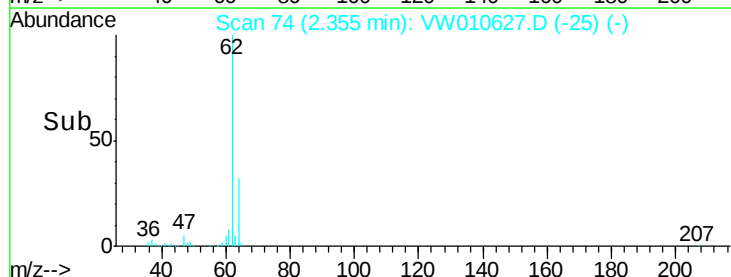
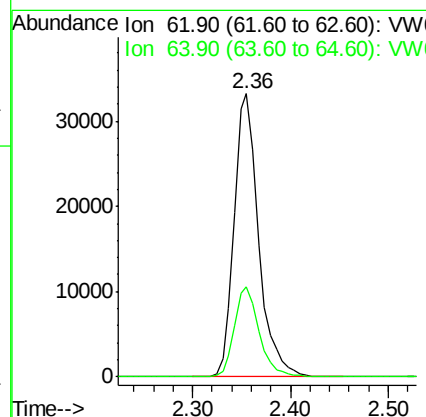
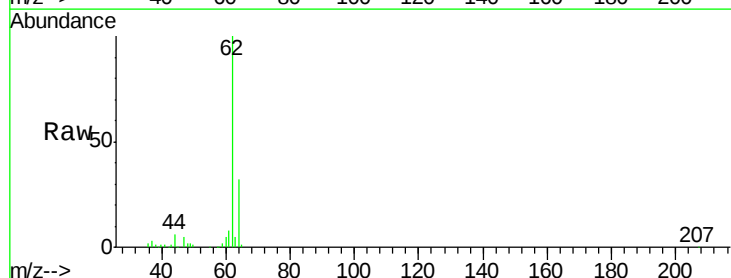
Acq: 30 May 2019 21:00

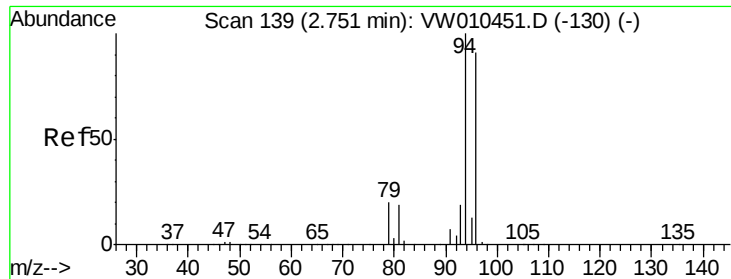
Tgt Ion: 62 Resp: 57671

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 48.086 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 47497

Ion Ratio Lower Upper

94 100

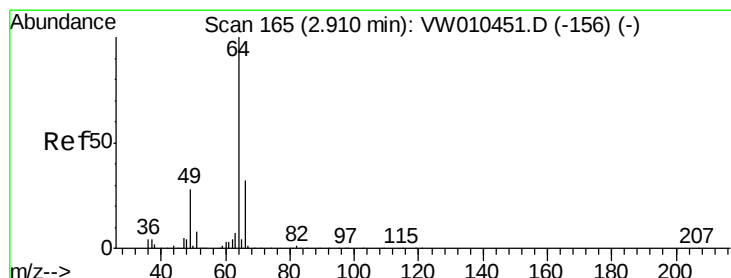
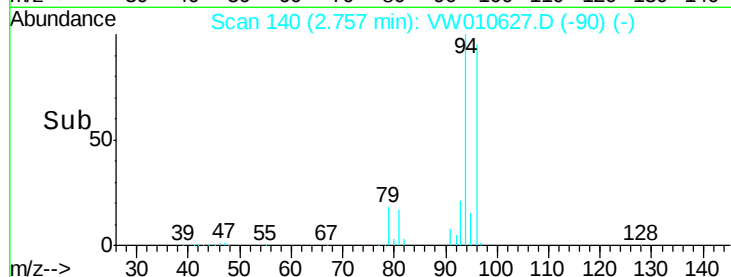
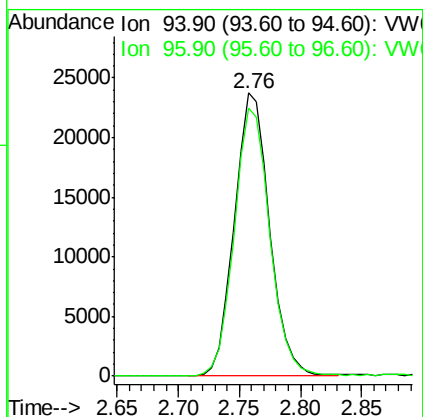
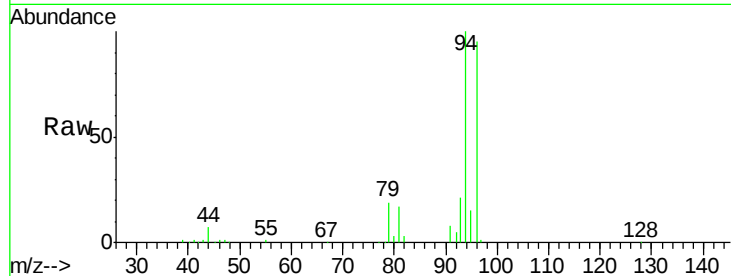
96 94.3 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 44.499 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010627.D

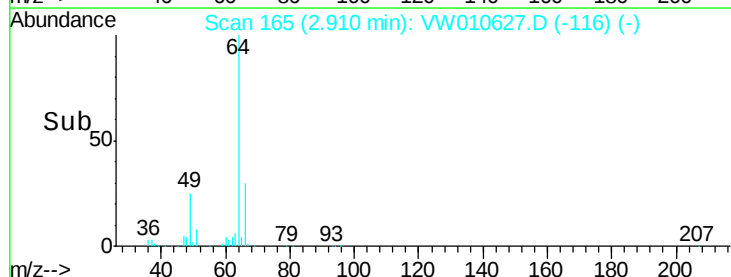
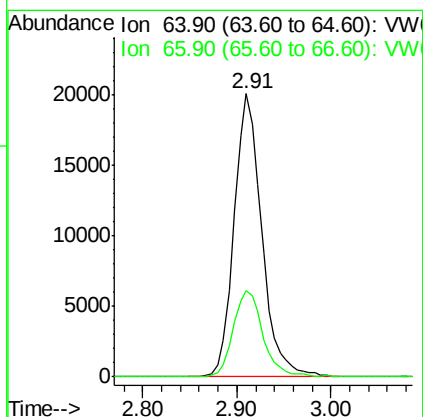
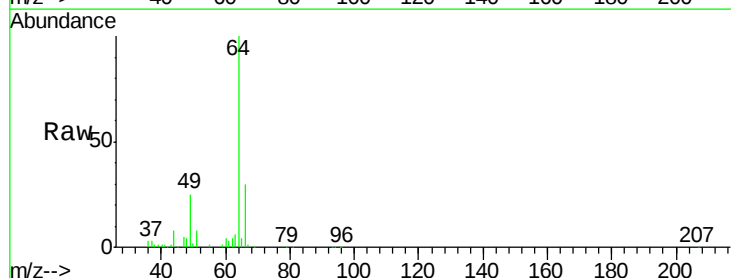
Acq: 30 May 2019 21:00

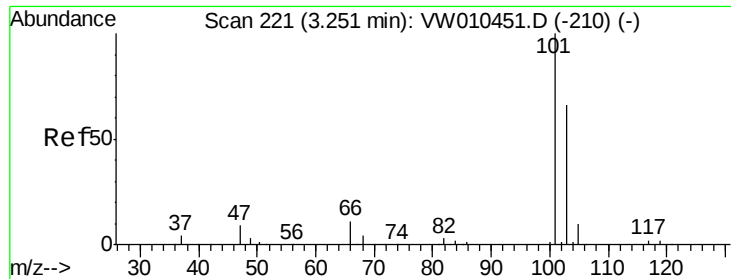
Tgt Ion: 64 Resp: 41014

Ion Ratio Lower Upper

64 100

66 30.4 25.5 38.3





#7

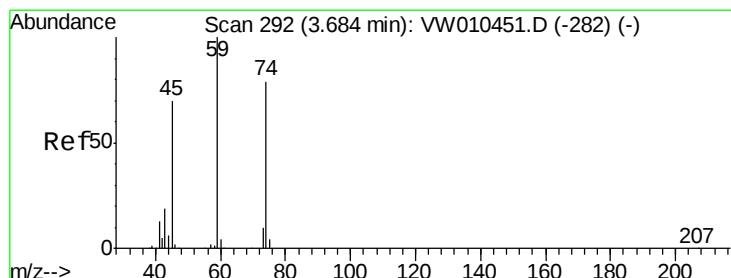
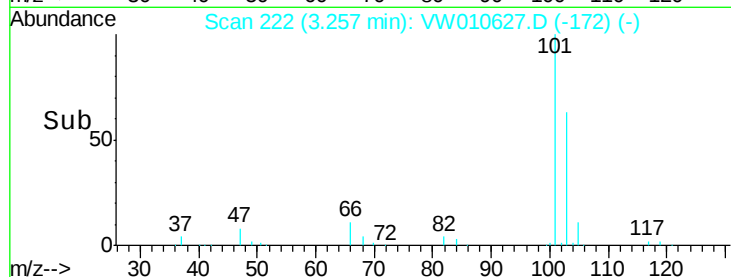
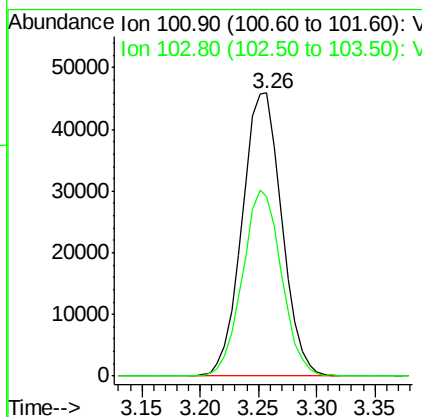
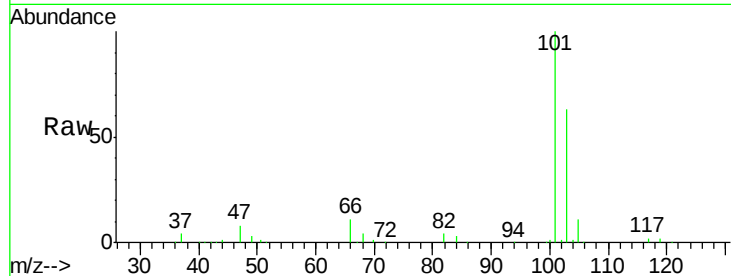
Trichlorofluoromethane
Concen: 51.678 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW010627.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.0	79.4

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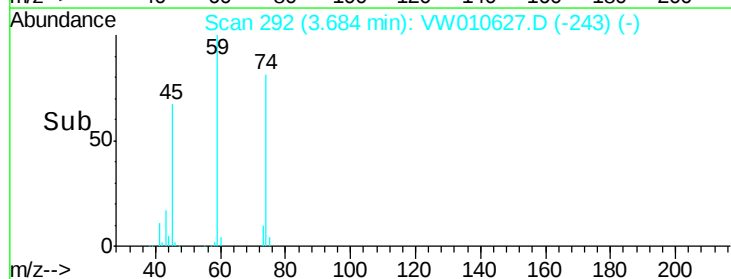
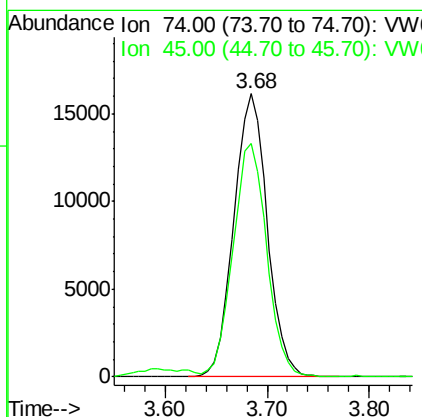
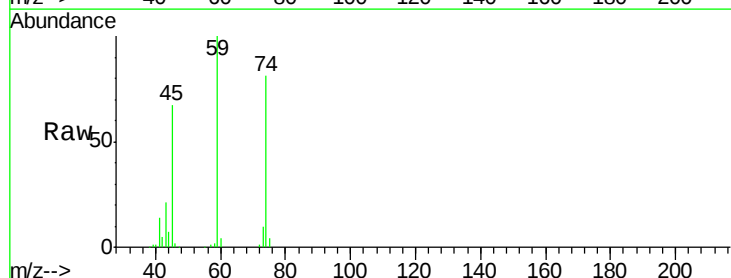
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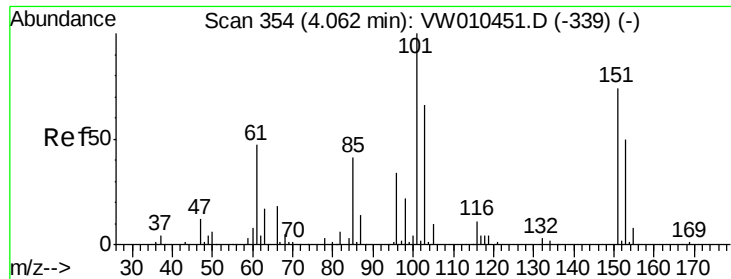


#8

Diethyl Ether
Concen: 54.615 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.1	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.367 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

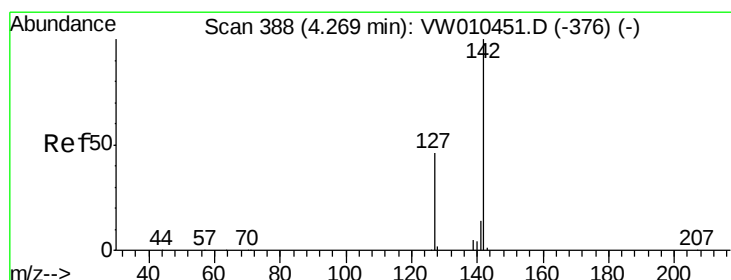
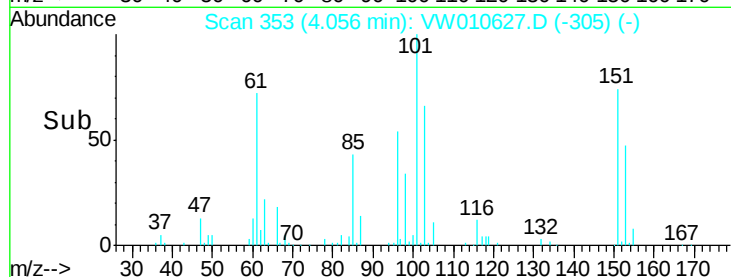
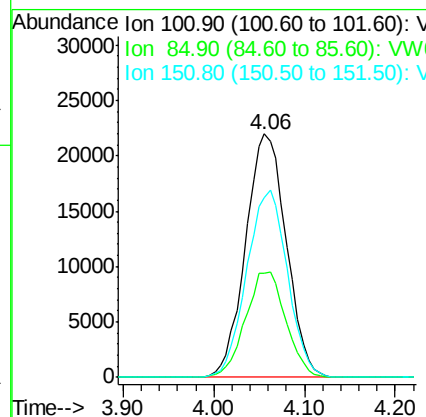
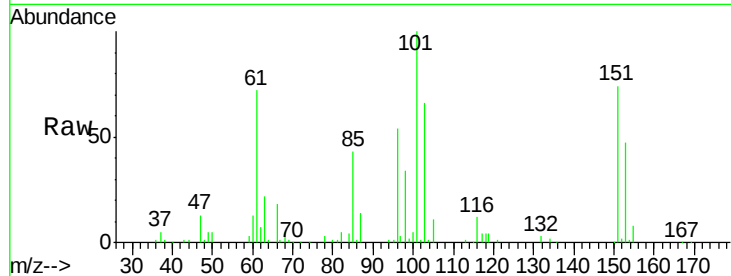
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	68361
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.3	51.5
151	77.0	60.3	90.5

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#10

Methyl Iodide

Concen: 41.108 ug/l

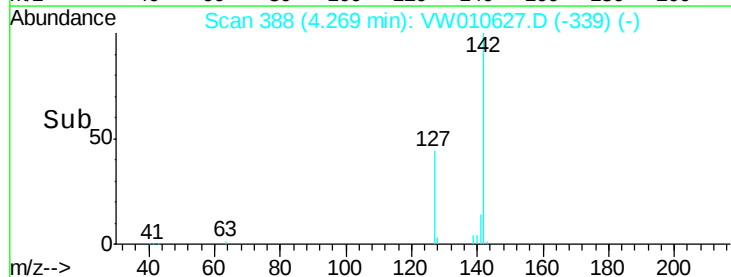
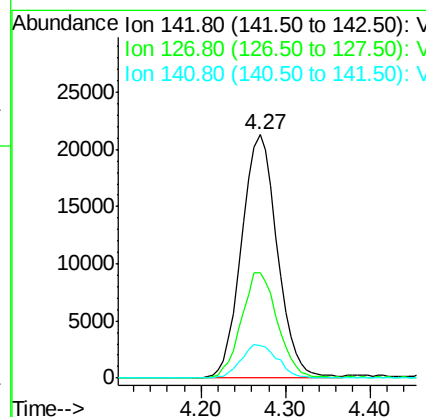
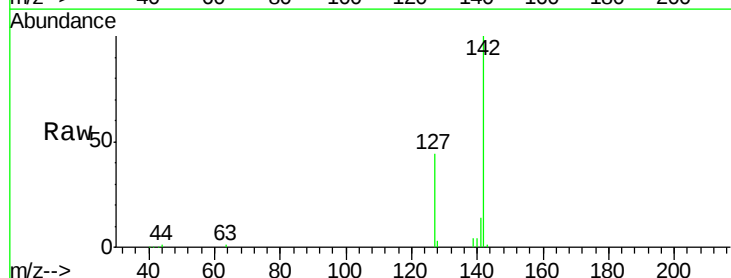
RT: 4.27 min Scan# 388

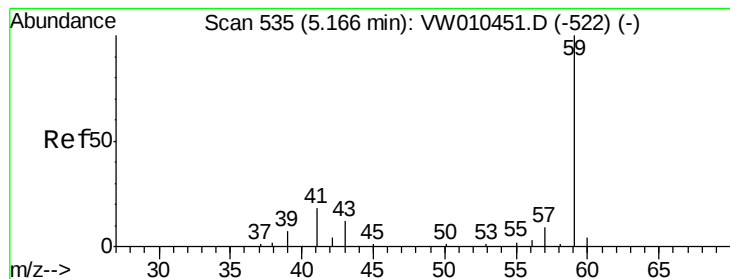
Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:	142	Resp:	61337
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.1	54.1
141	14.0	11.3	16.9





#11

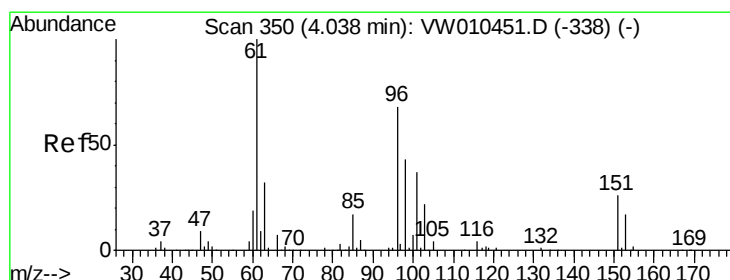
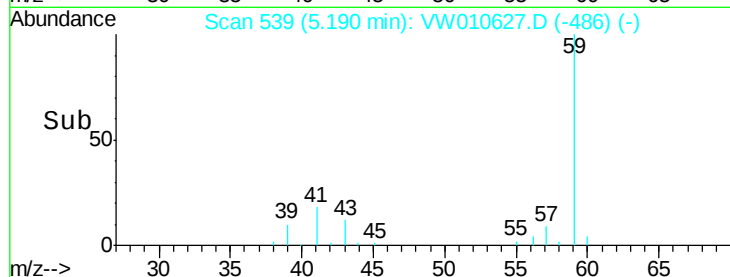
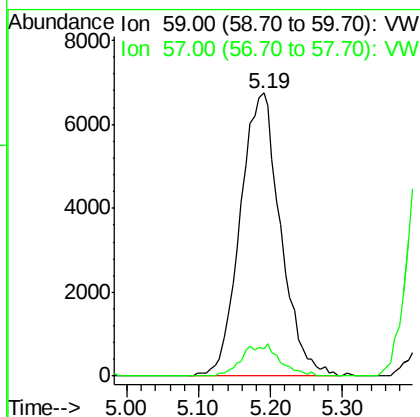
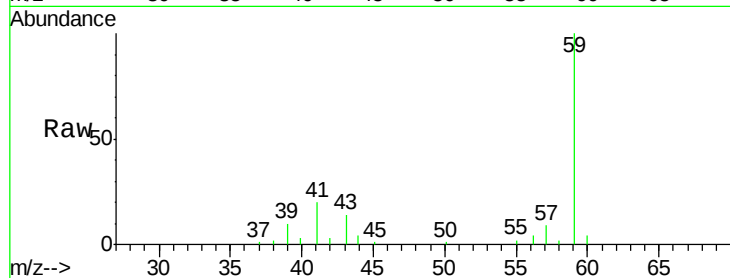
Tert butyl alcohol
 Concen: 239.657 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	26250		
57	4.3		8.8	13.2#

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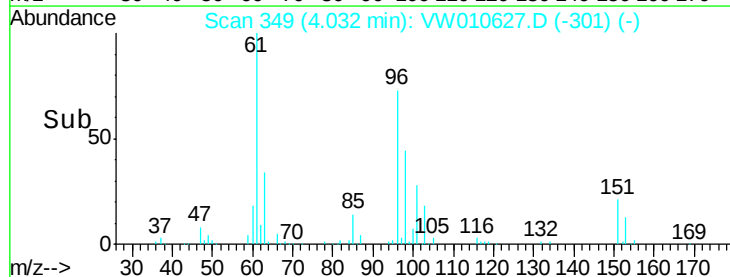
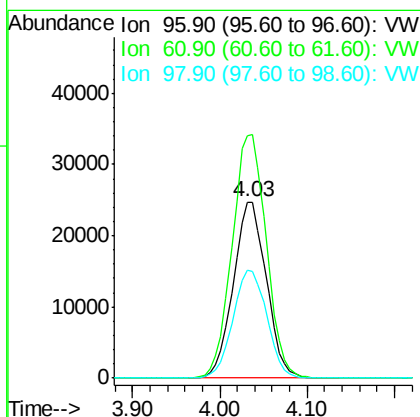
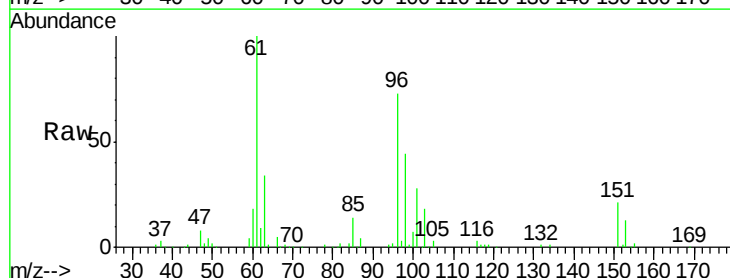
MMDadoda
 6/1/2019 4:27:17 AM

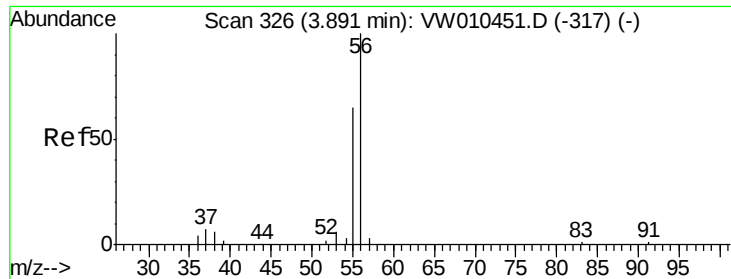


#12

1,1-Dichloroethene
 Concen: 52.001 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	64800		
61	137.6		118.3	177.5
98	60.9		51.0	76.6





#13

Acrolein

Concen: 264.112 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 16776

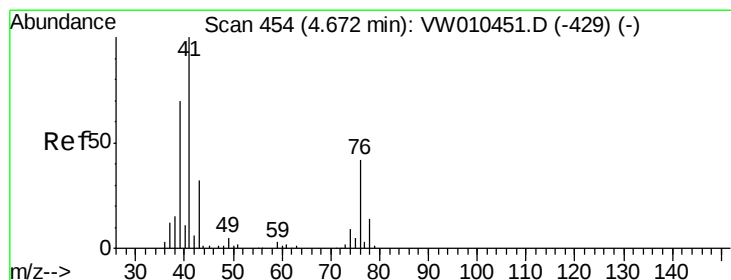
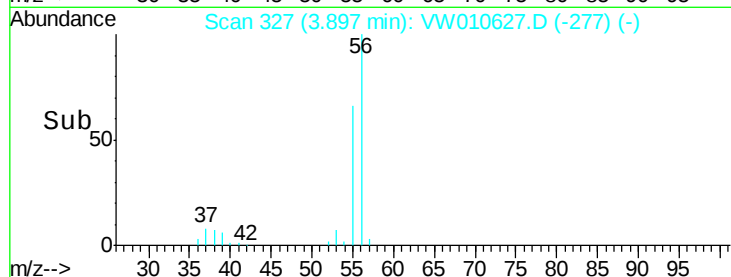
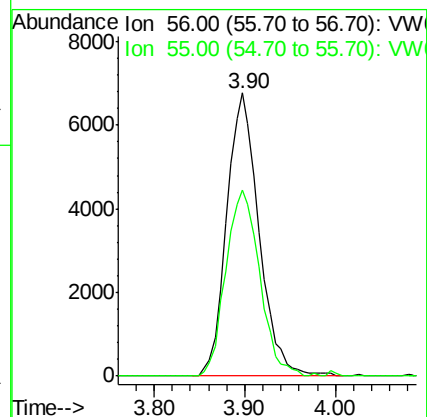
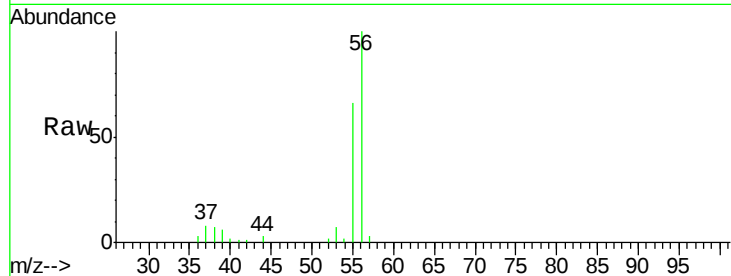
Ion Ratio Lower Upper

56 100

55 68.9 57.9 86.9

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6/1/2019 4:27:17 AM



#14

Allyl chloride

Concen: 49.408 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

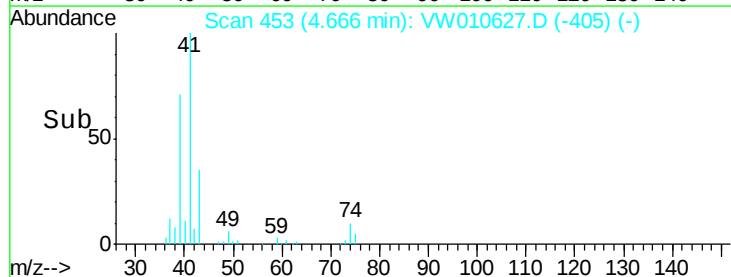
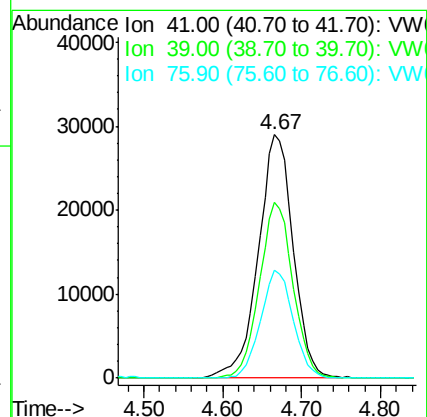
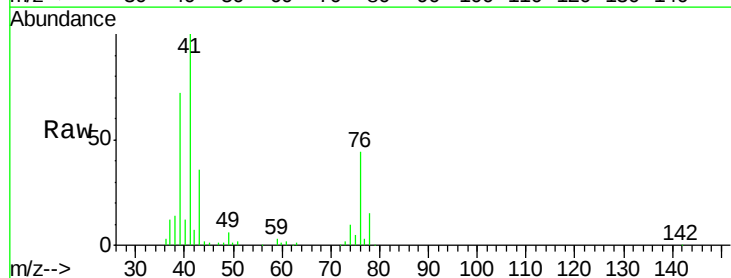
Tgt Ion: 41 Resp: 89121

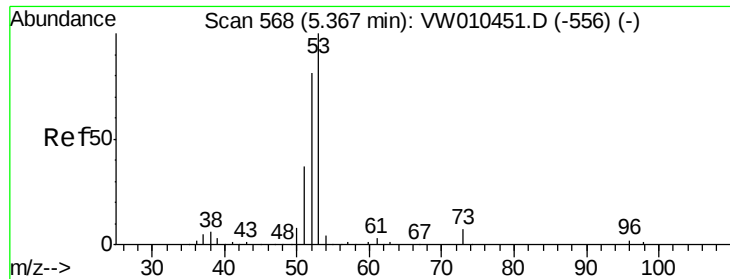
Ion Ratio Lower Upper

41 100

39 69.6 55.0 82.4

76 41.5 32.8 49.2





#15

Acrylonitrile

Concen: 262.089 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

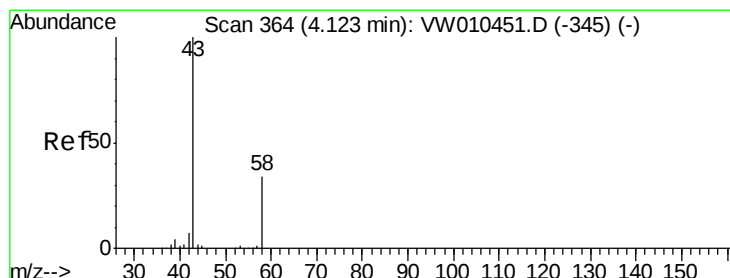
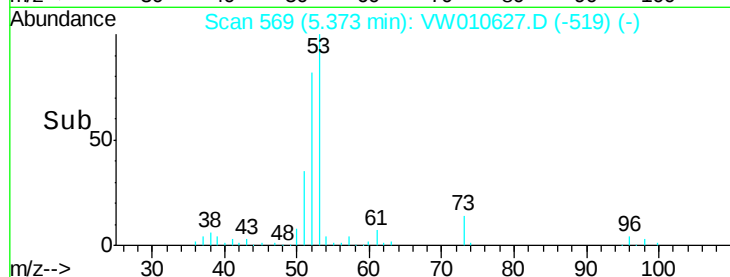
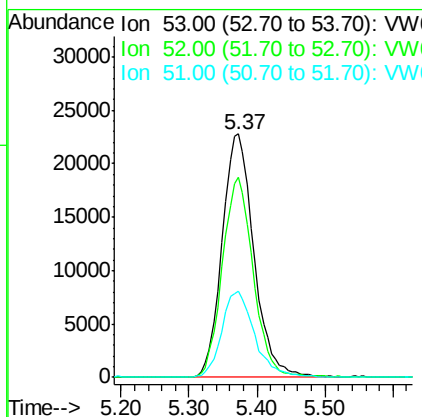
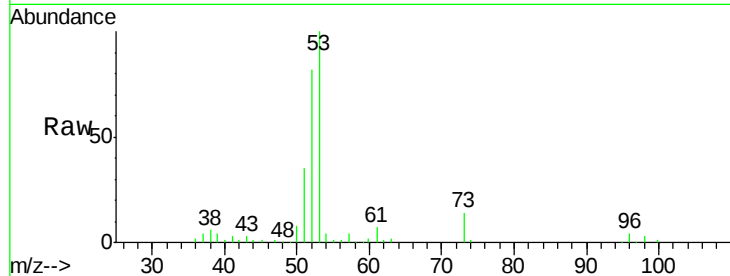
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	73754
Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.6	98.4
51	36.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 220.438 ug/l

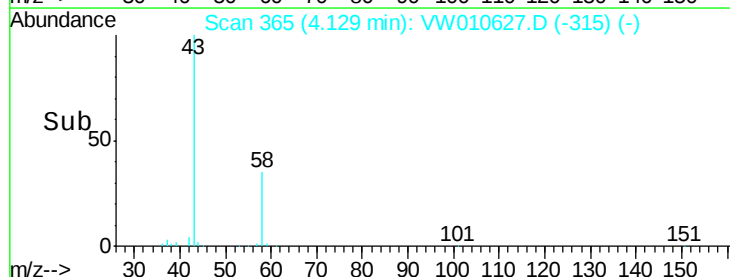
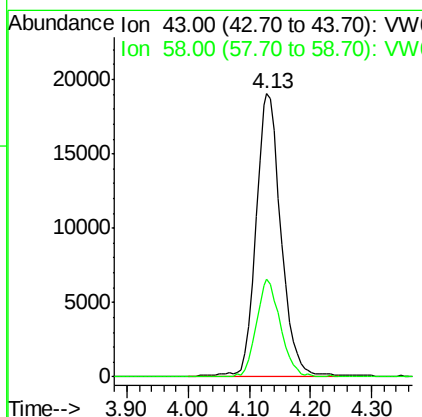
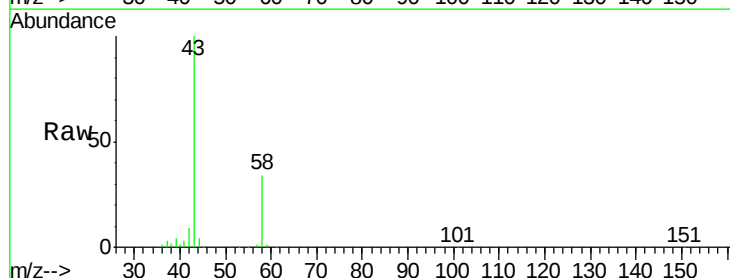
RT: 4.13 min Scan# 365

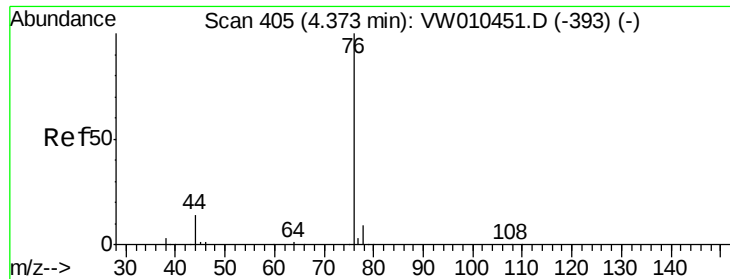
Delta R.T. 0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:	43	Resp:	54792
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.0	40.4





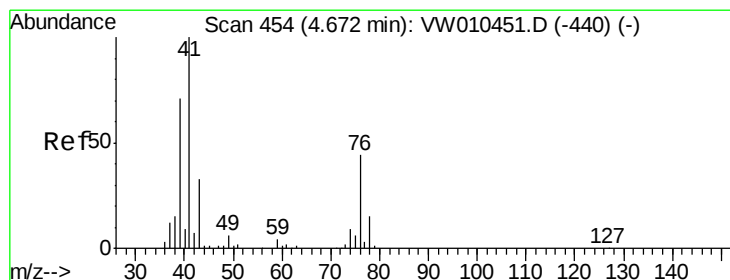
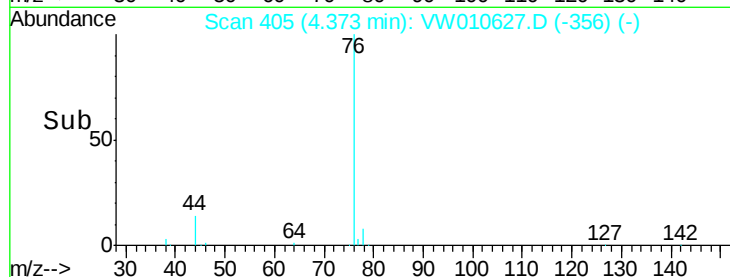
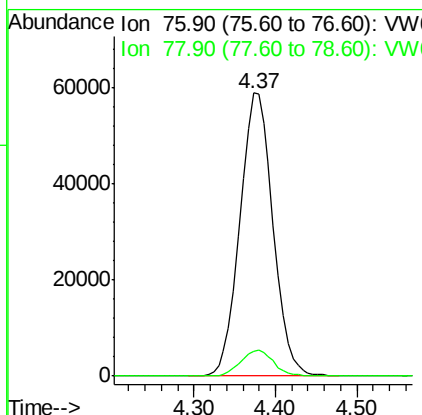
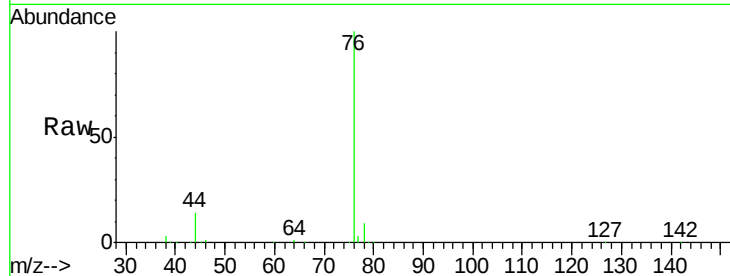
#17
Carbon Disulfide
Concen: 44.625 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

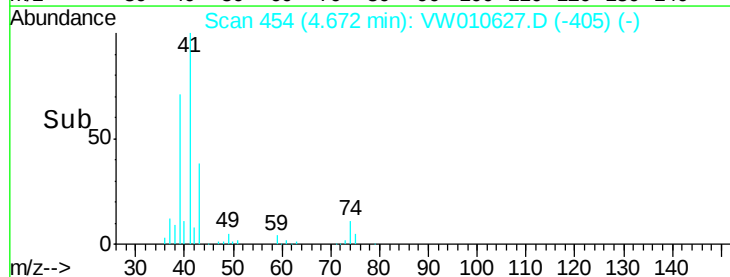
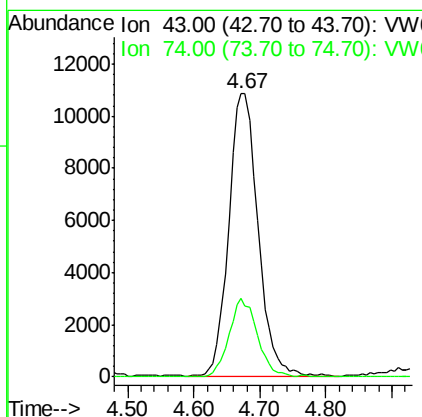
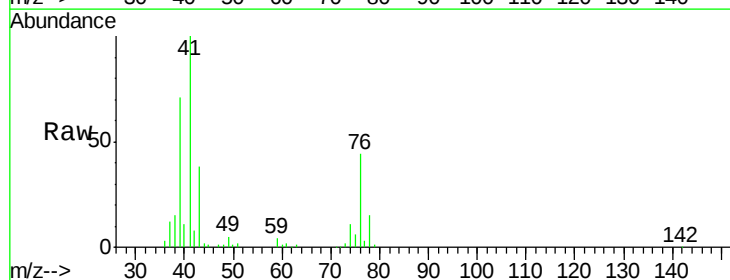
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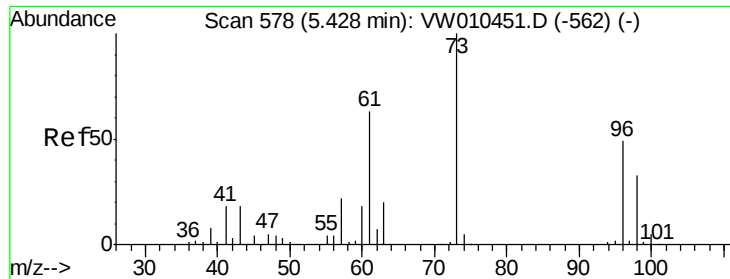
MMDadoda
6/1/2019 4:27:17 AM



#18
Methyl Acetate
Concen: 55.224 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	21.6	32.4





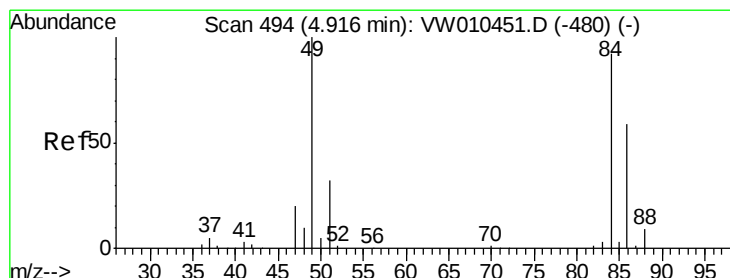
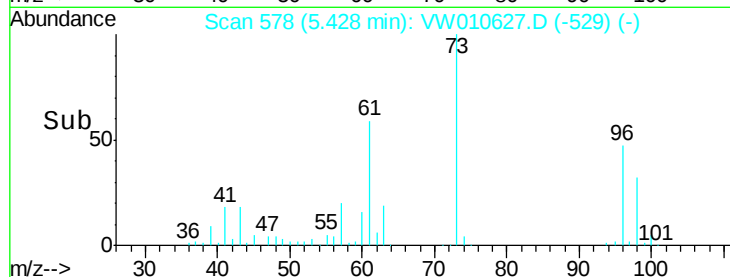
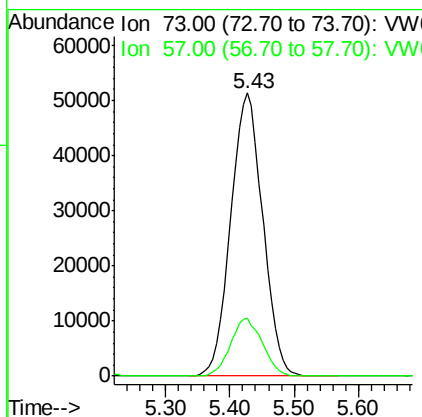
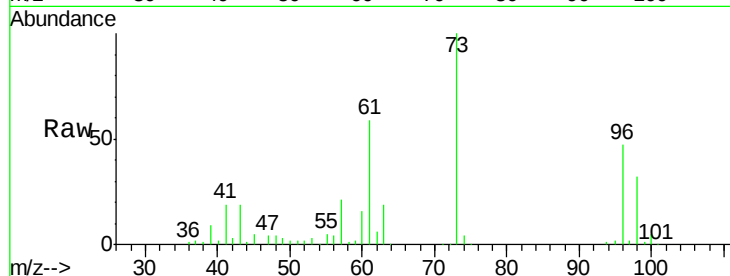
#19
Methyl tert-butyl Ether
Concen: 55.880 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 177517
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.0

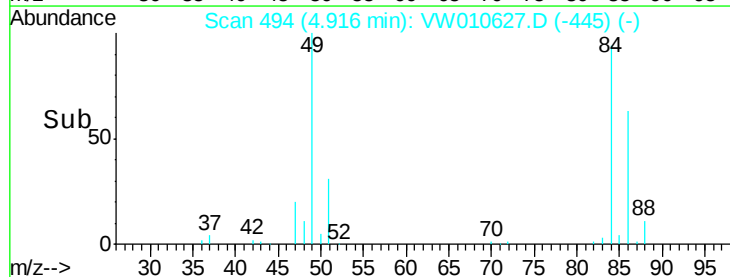
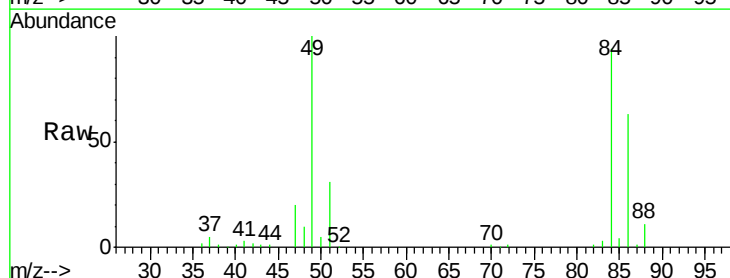
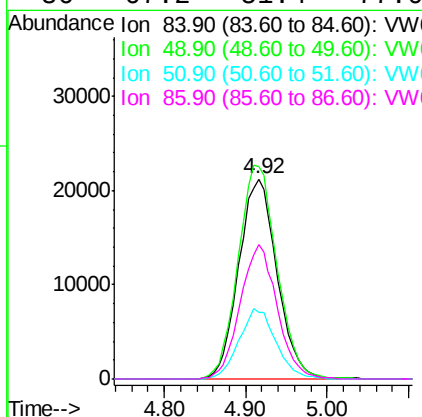
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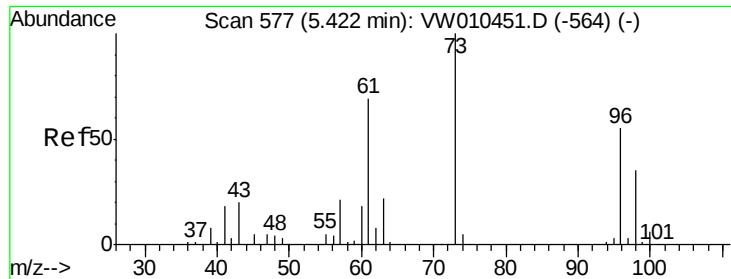
MMDadoda
6/1/2019 4:27:17 AM



#20
Methylene Chloride
Concen: 47.158 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion: 84 Resp: 69197
Ion Ratio Lower Upper
84 100
49 106.4 87.2 130.8
51 33.1 27.7 41.5
86 67.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 52.777 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 75436

Ion Ratio Lower Upper

96 100

61 128.3 101.4 152.0

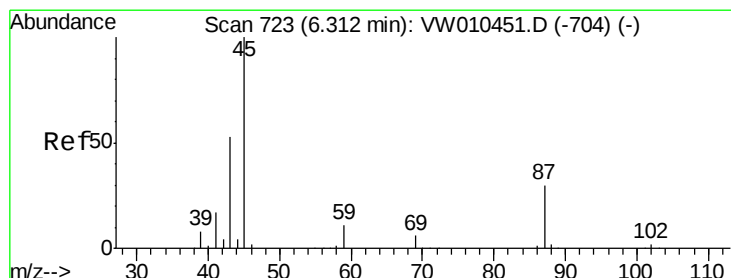
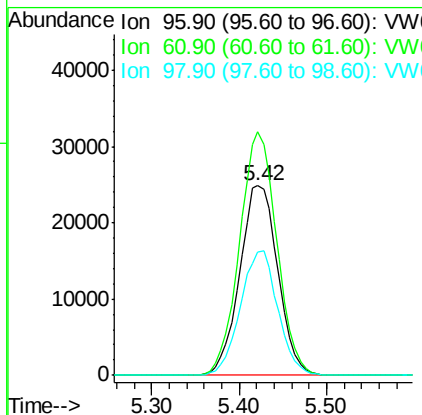
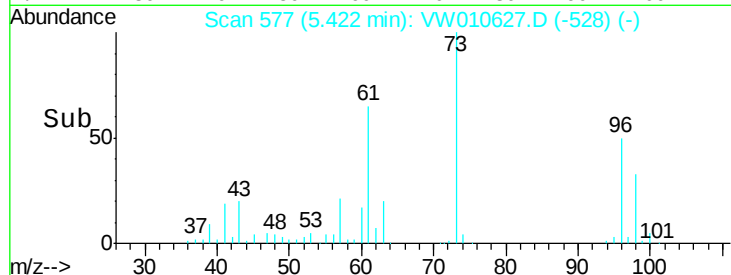
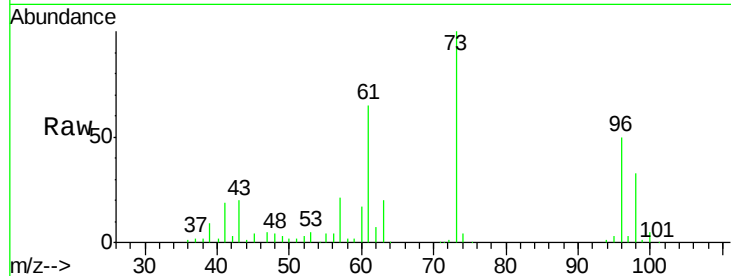
98 64.8 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.317 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion: 45 Resp: 197196

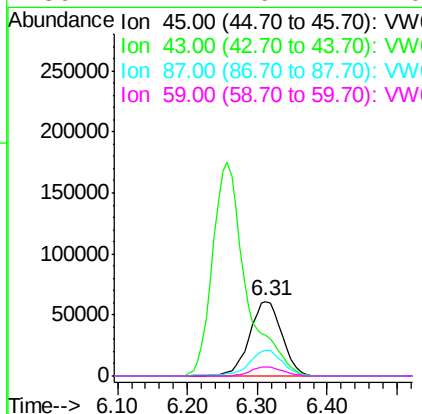
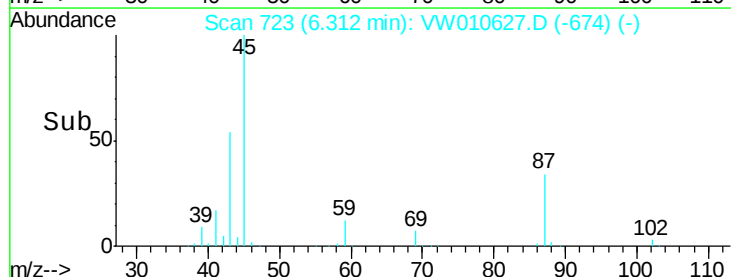
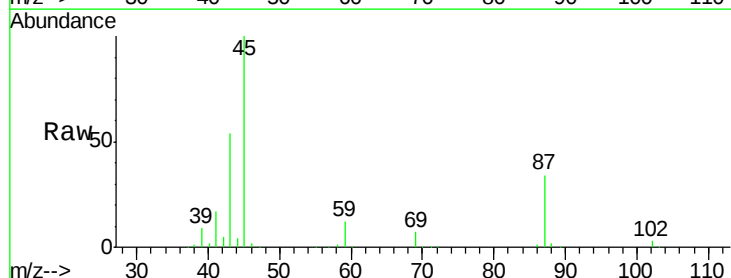
Ion Ratio Lower Upper

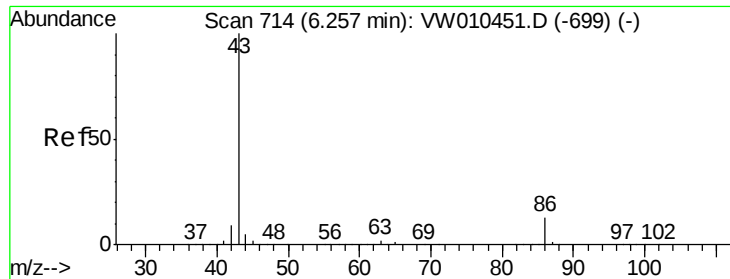
45 100

43 54.0 42.9 64.3

87 34.3 24.6 36.8

59 12.4 9.4 14.0





#23

Vinyl Acetate

Concen: 262.831 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 580675

Ion Ratio Lower Upper

43 100

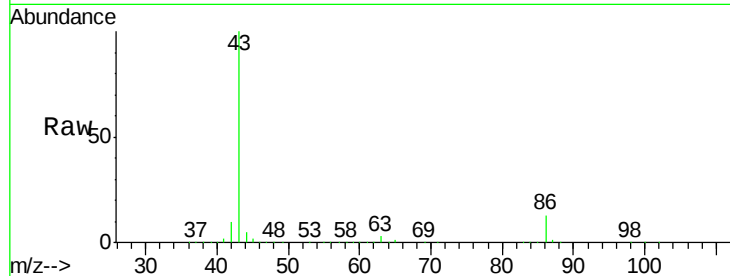
86 13.1 10.3 15.5

Manual Integrations

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6/1/2019 4:27:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

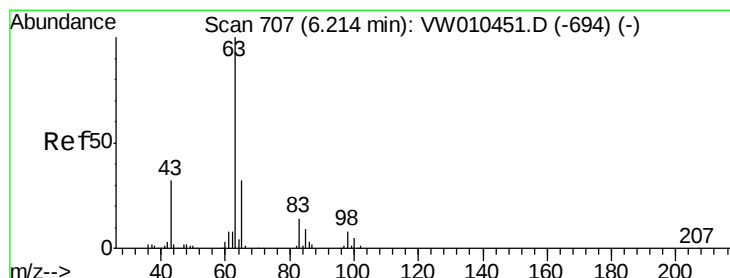
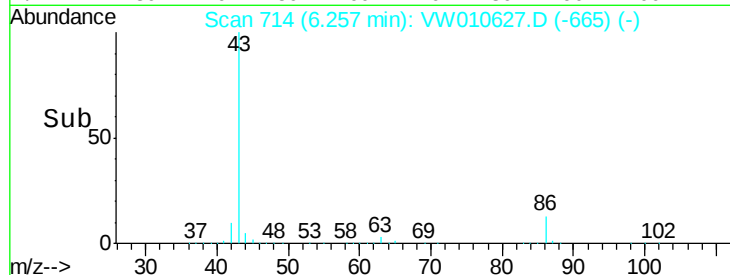
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 54.295 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

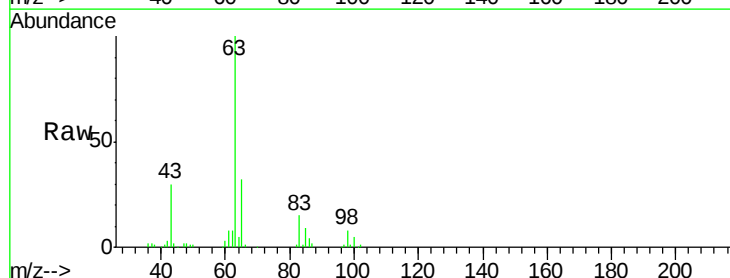
Tgt Ion: 63 Resp: 119837

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

100 4.9 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

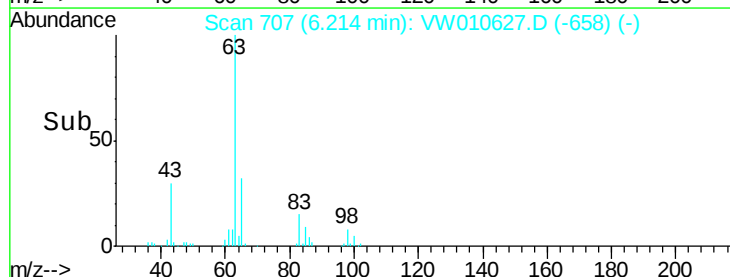
30000

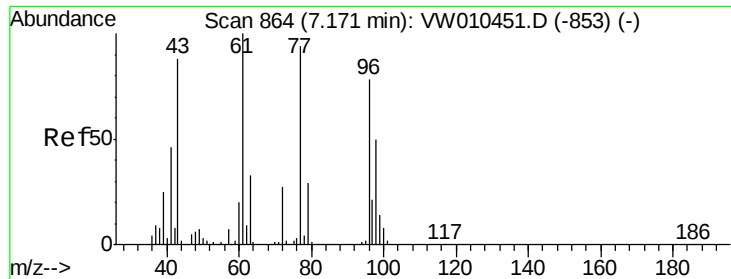
20000

10000

0

Time-->





#25

2-Butanone

Concen: 263.887 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 93868

Ion Ratio Lower Upper

43 100

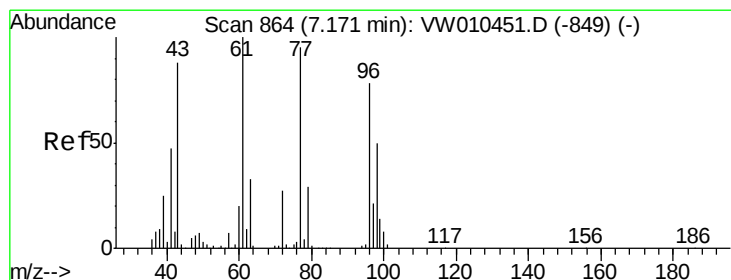
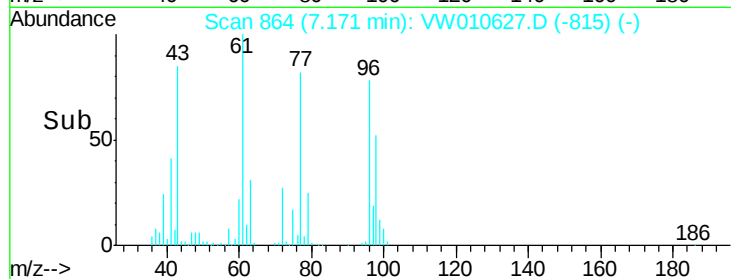
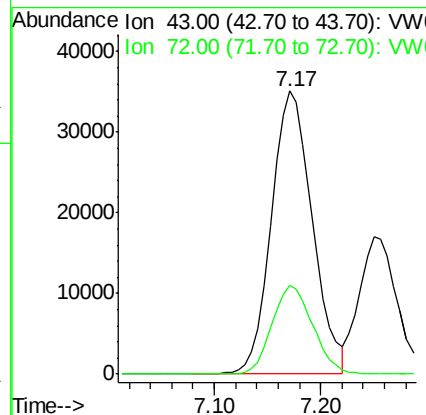
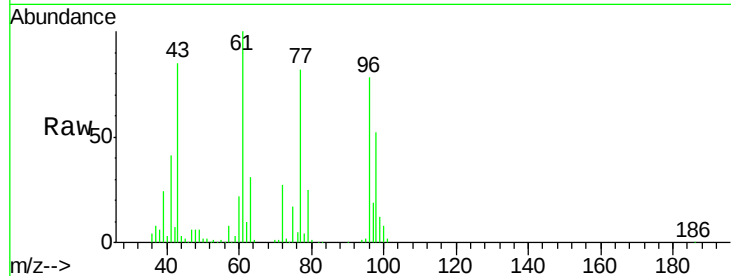
72 31.6 24.1 36.1

Manual Integrations

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MMDadoda

6/1/2019 4:27:17 AM



#26

2,2-Dichloropropane

Concen: 48.754 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010627.D

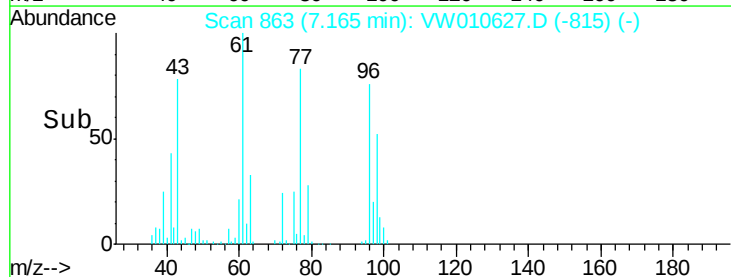
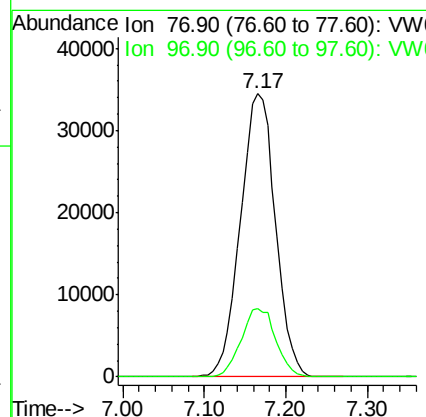
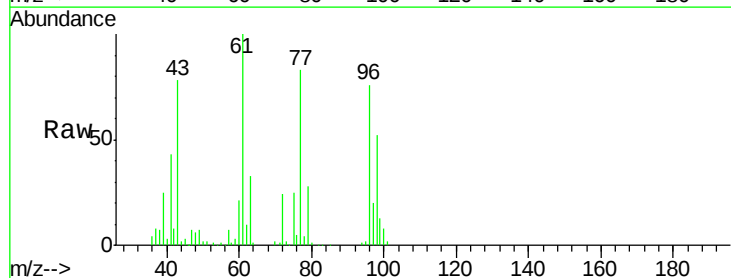
Acq: 30 May 2019 21:00

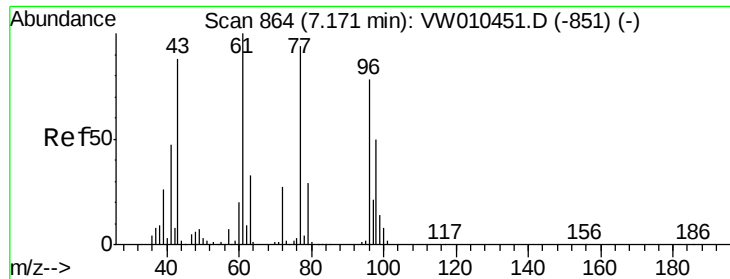
Tgt Ion: 77 Resp: 102501

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.0





#27

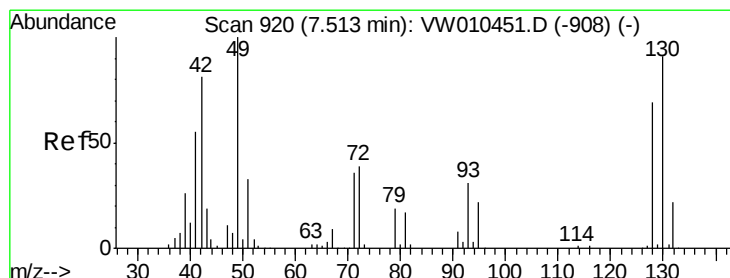
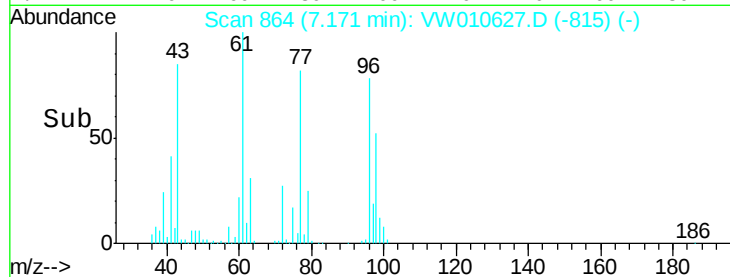
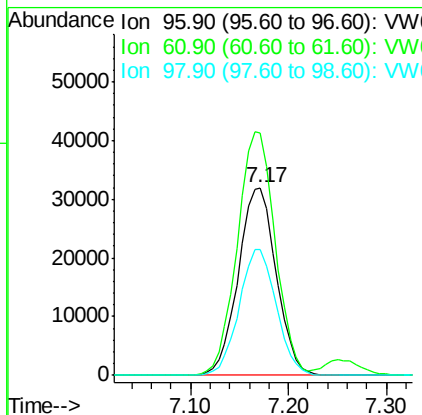
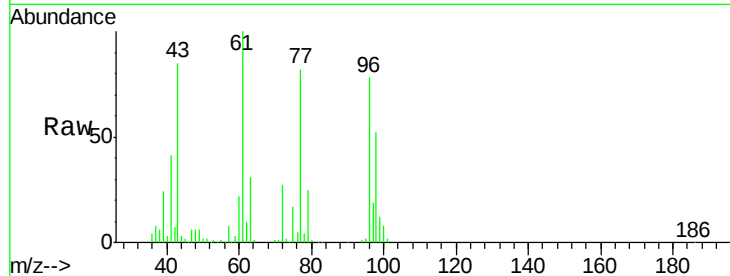
cis-1,2-Dichloroethene
 Concen: 55.180 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	265.4
98	66.2	0.0	129.4

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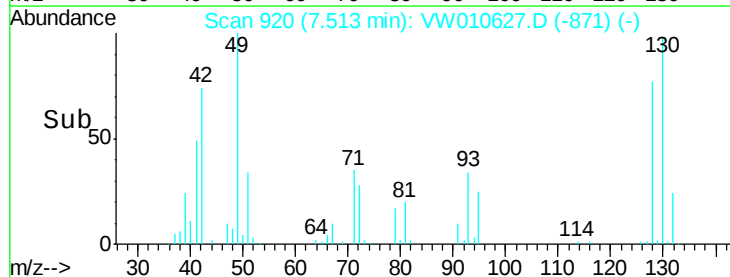
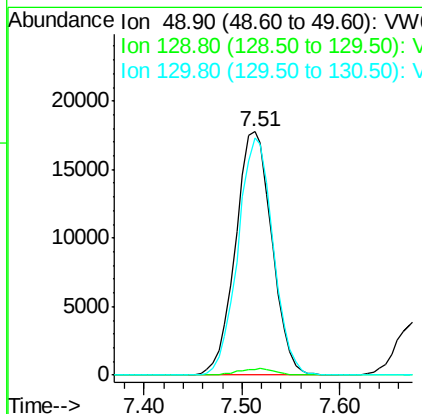
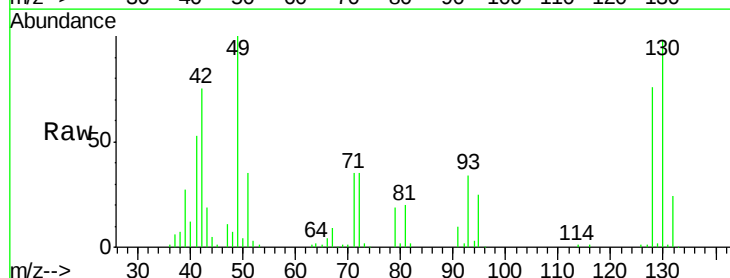
MMDadoda
 6/1/2019 4:27:17 AM

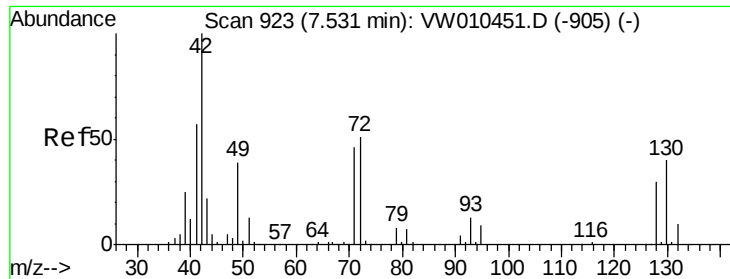


#28

Bromochloromethane
 Concen: 58.132 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	94.1	71.2	106.8





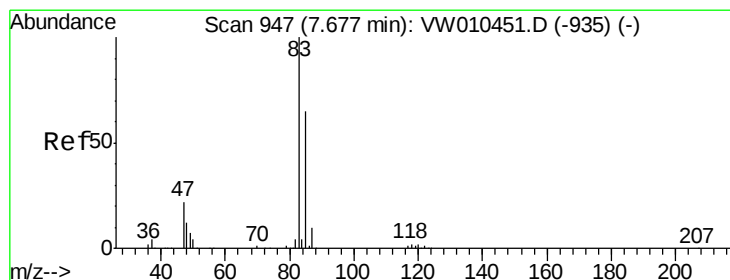
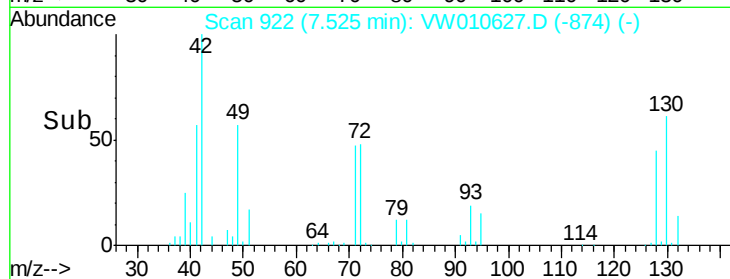
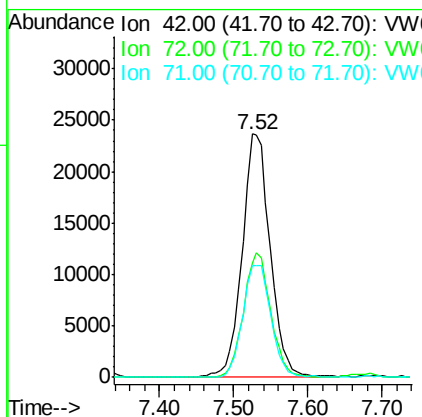
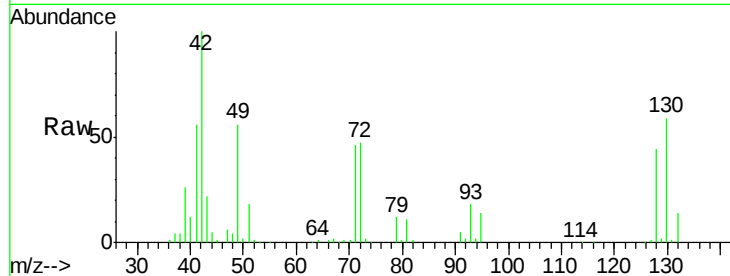
#29
Tetrahydrofuran
Concen: 260.243 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	38.5	57.7
71	46.5	36.5	54.7

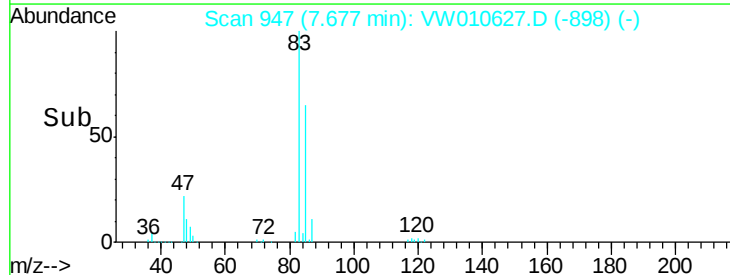
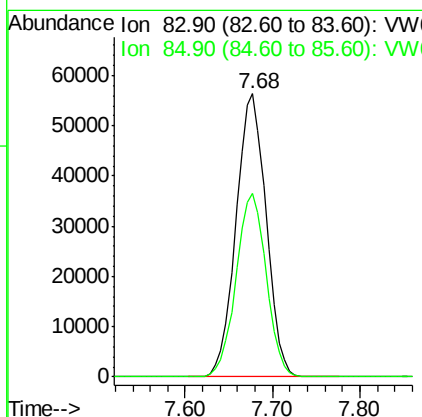
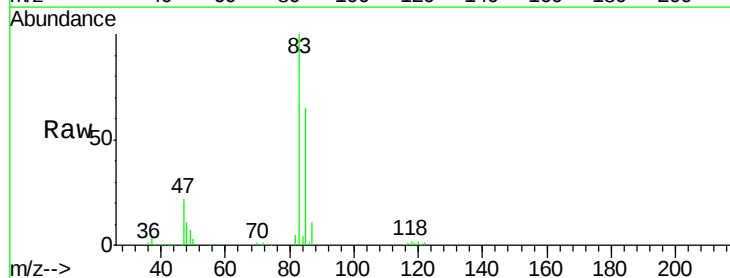
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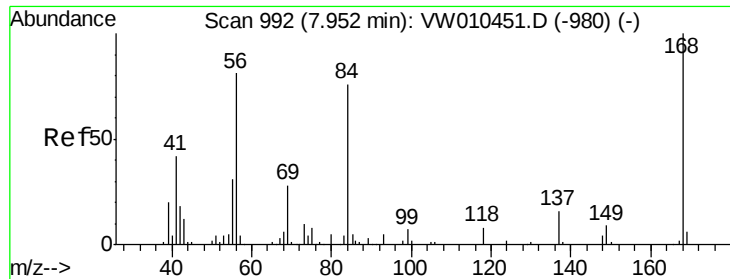
MMDadoda
6/1/2019 4:27:17 AM



#30
Chloroform
Concen: 56.655 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





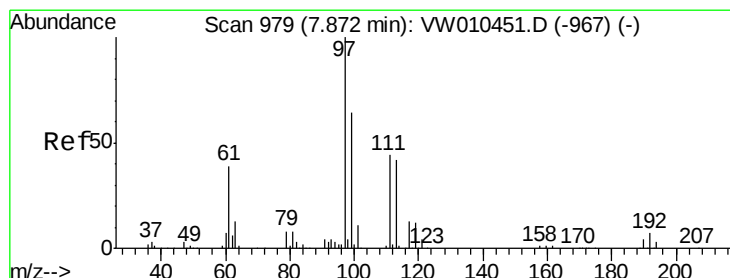
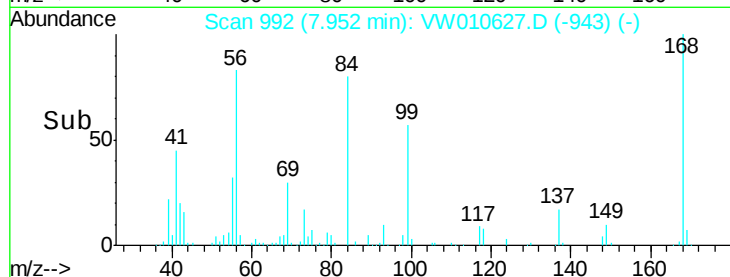
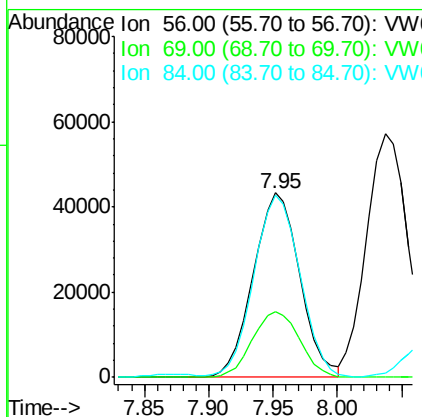
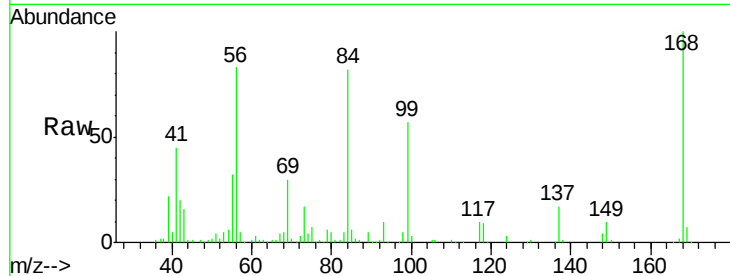
#31
Cyclohexane
Concen: 47.092 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	108875		
69	35.5		28.2	42.2
84	97.5		75.8	113.8

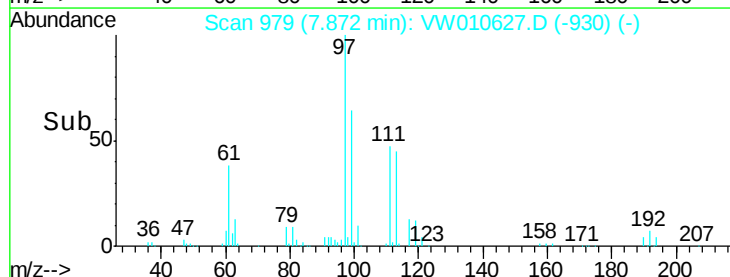
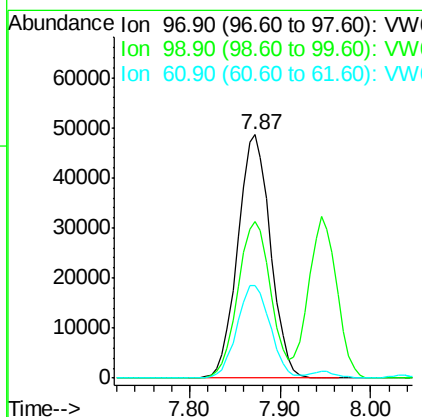
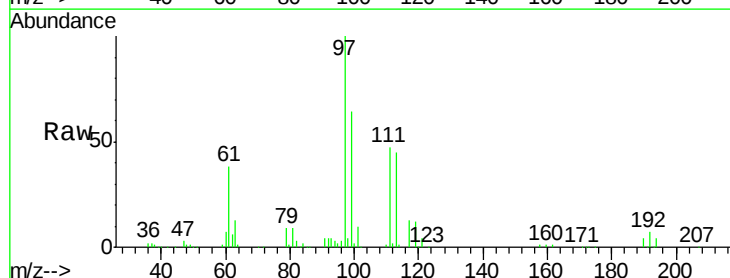
Manual Integrations
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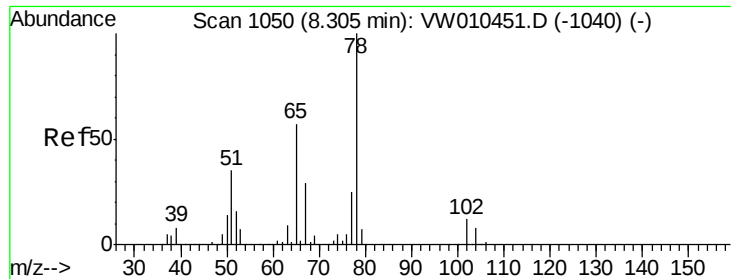
MMDadoda
6/1/2019 4:27:17 AM



#32
1,1,1-Trichloroethane
Concen: 53.238 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	121139		
99	65.0		50.8	76.2
61	38.9		32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 56.011 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 68205

Ion Ratio Lower Upper

65 100

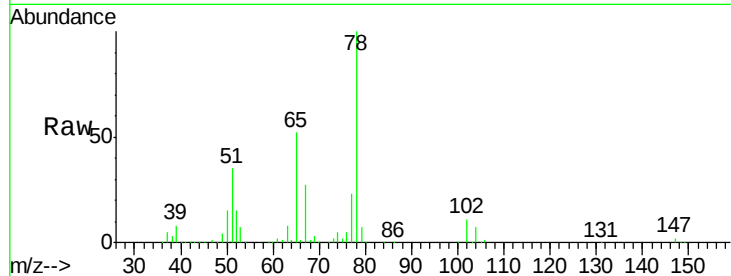
67 53.5 0.0 103.6

Manual Integrations

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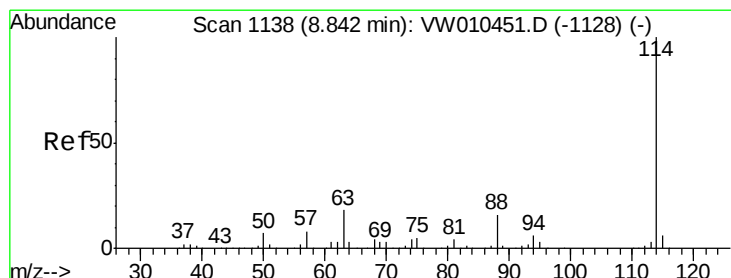
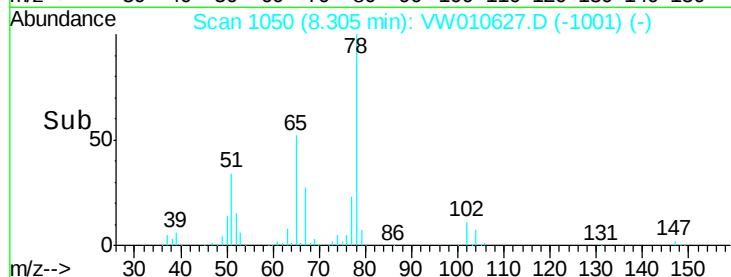
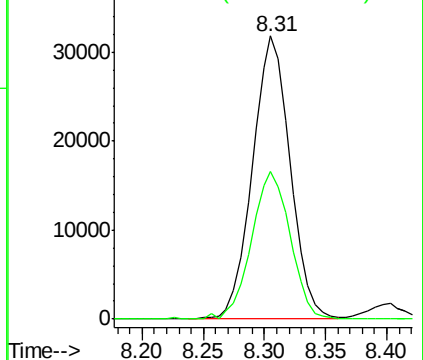
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

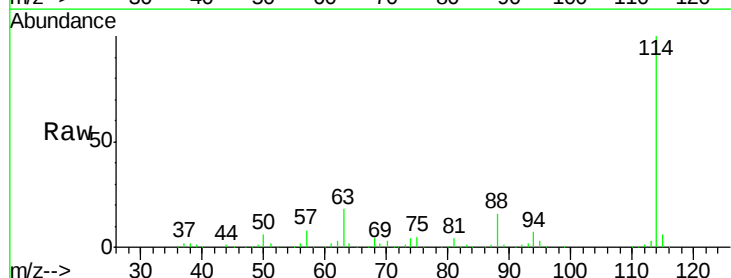
Tgt Ion: 114 Resp: 206192

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.0

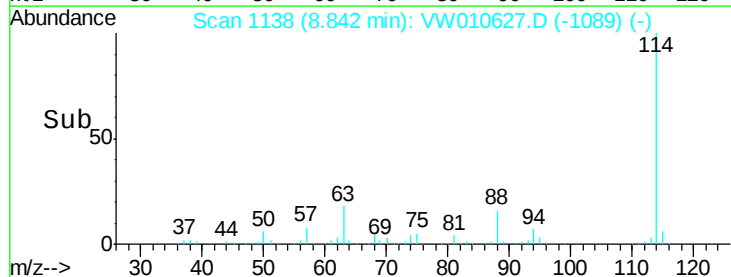
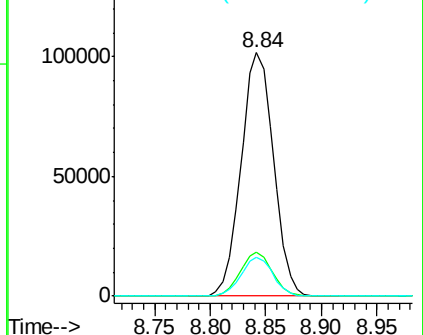
88 15.9 0.0 32.0

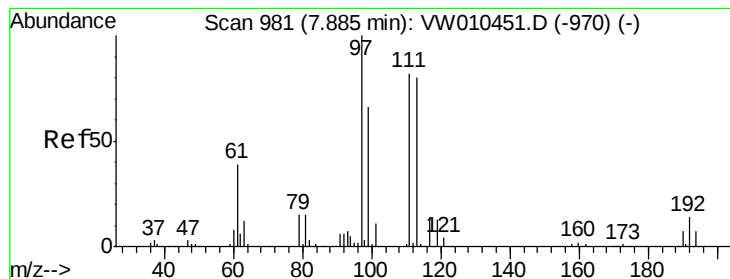


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 55.875 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

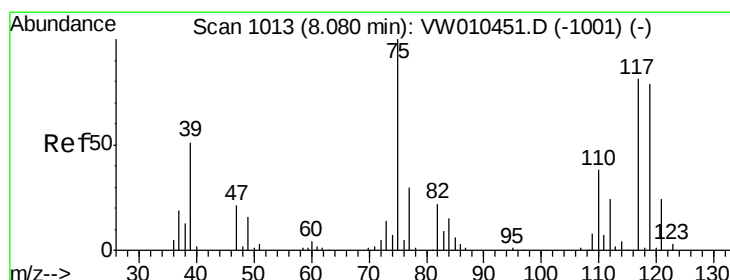
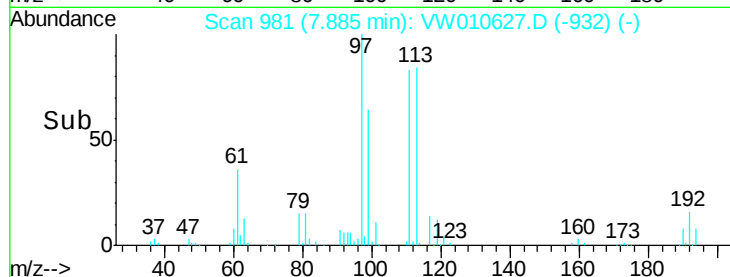
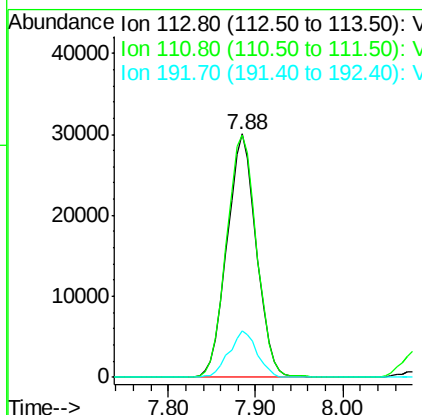
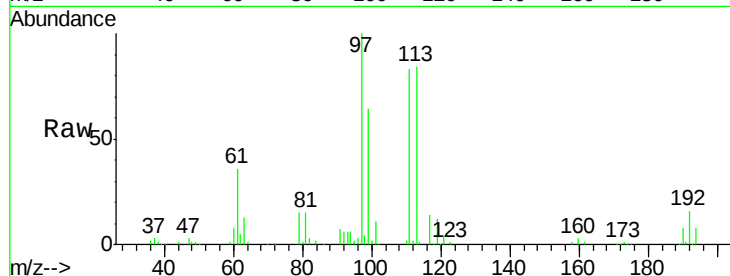
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	69907
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	18.2	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.205 ug/l

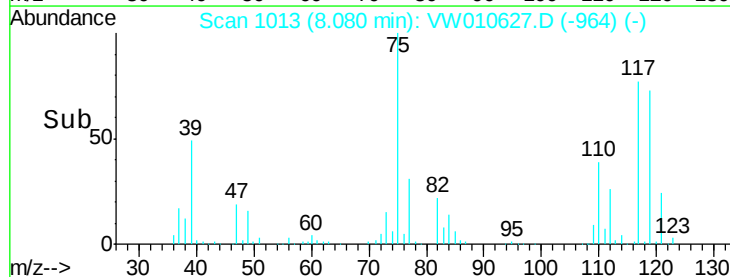
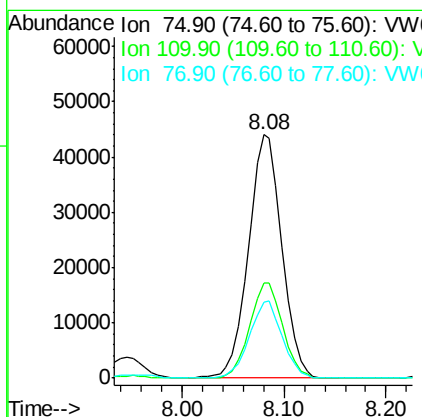
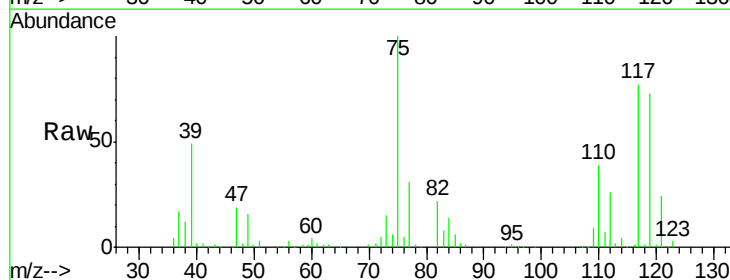
RT: 8.08 min Scan# 1013

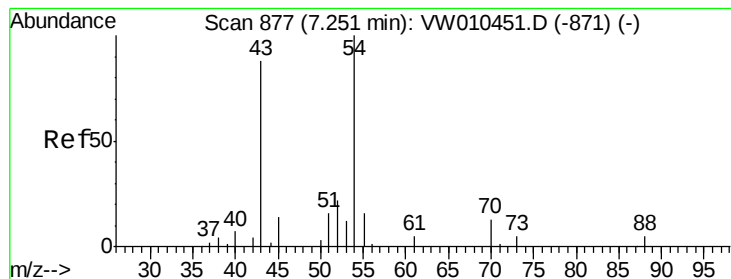
Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:	75	Resp:	100275
Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.2	57.6
77	31.1	25.2	37.8





#37

Ethyl Acetate

Concen: 52.583 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

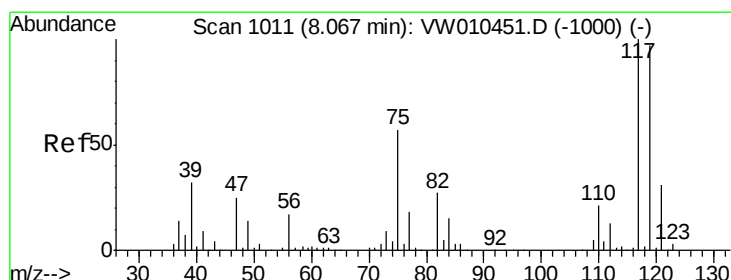
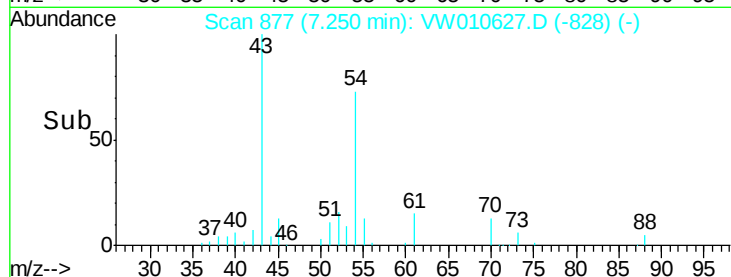
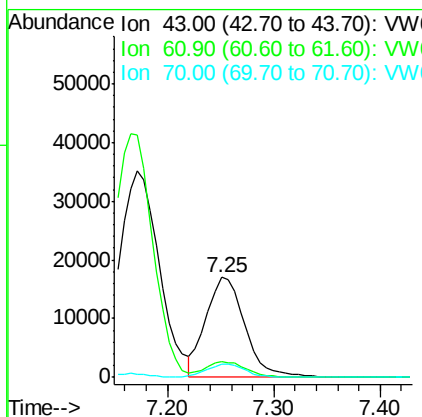
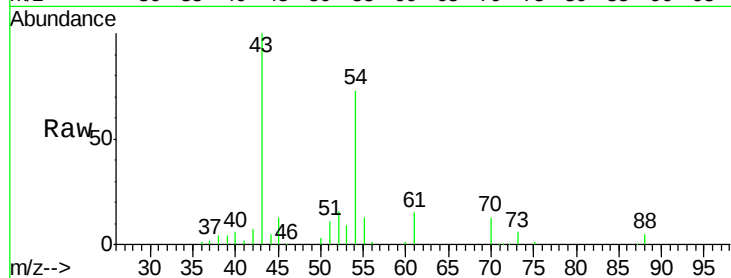
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	42950
Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.2	16.8
70	13.1	9.9	14.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 52.304 ug/l

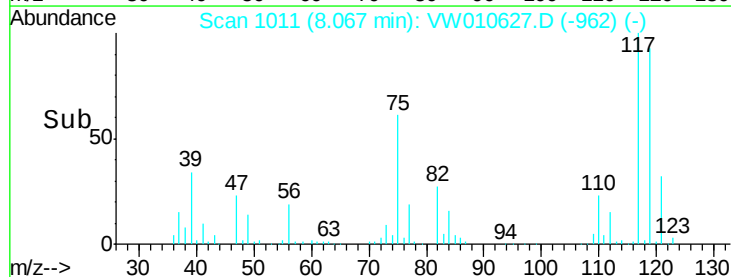
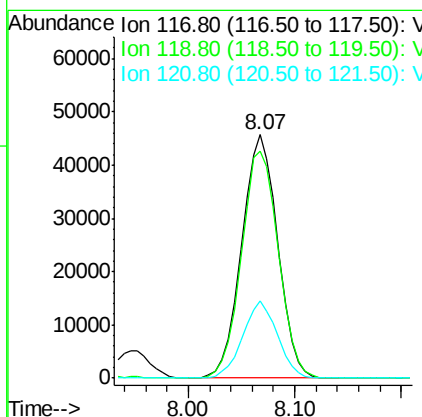
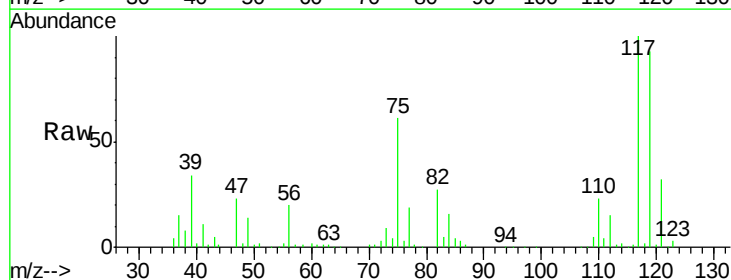
RT: 8.07 min Scan# 1011

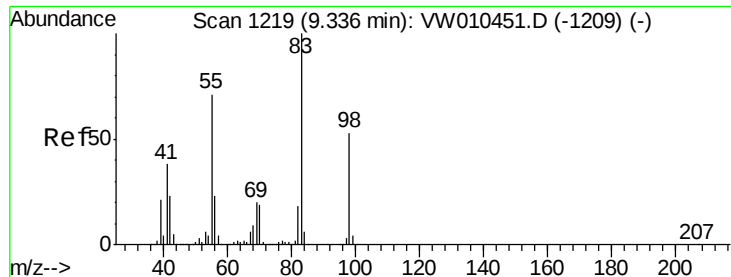
Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:	117	Resp:	108375
Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.4	116.0
121	31.8	25.0	37.6





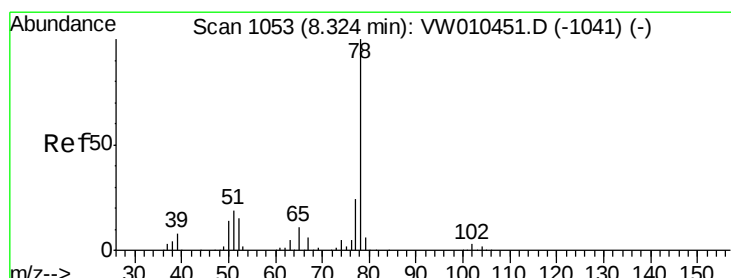
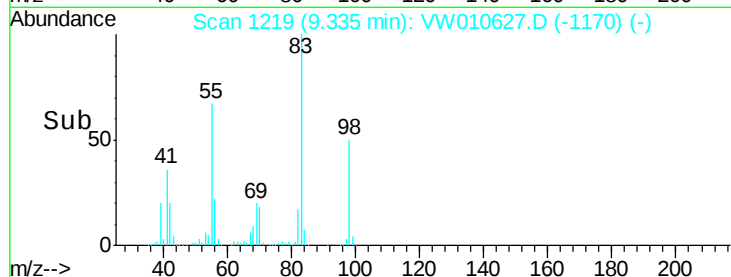
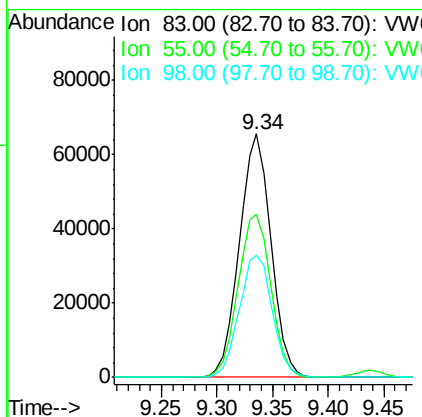
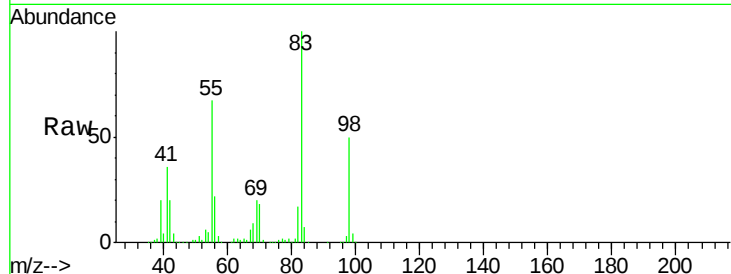
#39
Methvlcvclohexane
Concen: 50.240 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129286		
55	67.0		57.0	85.6
98	50.3		42.0	63.0

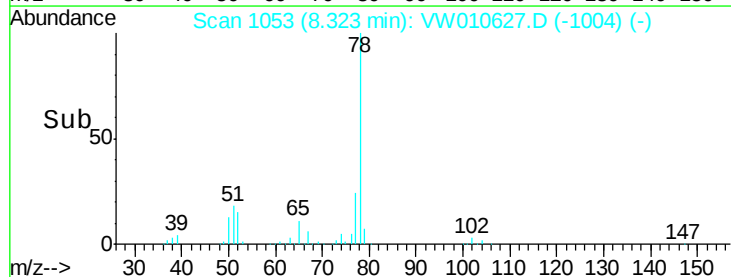
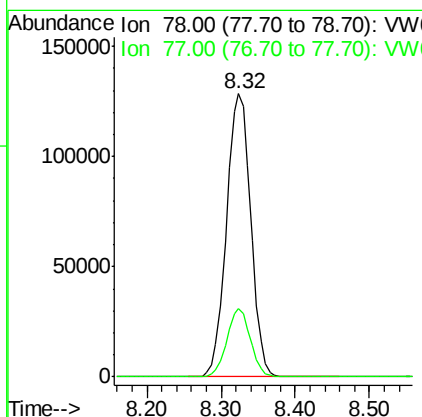
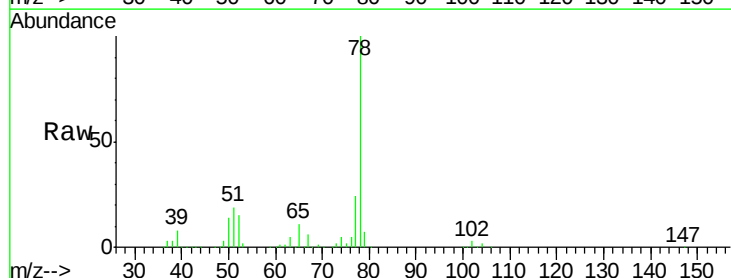
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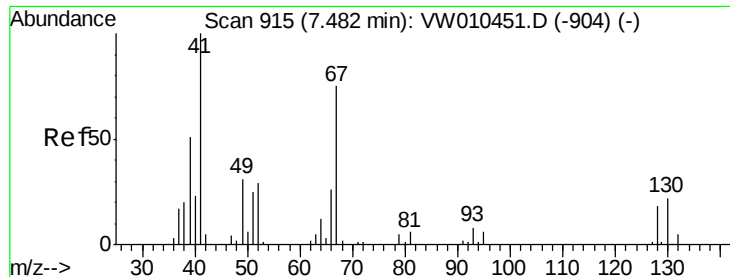
MMDadoda
6/1/2019 4:27:17 AM



#40
Benzene
Concen: 54.696 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	292006		
77	24.3		18.9	28.3





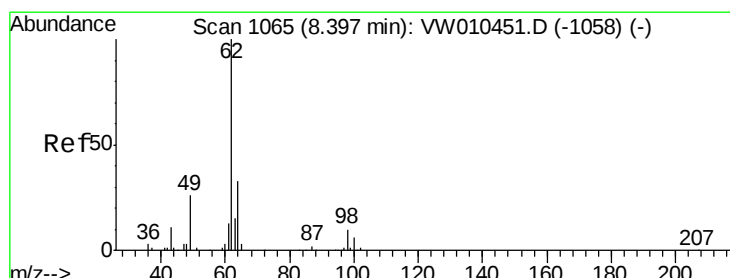
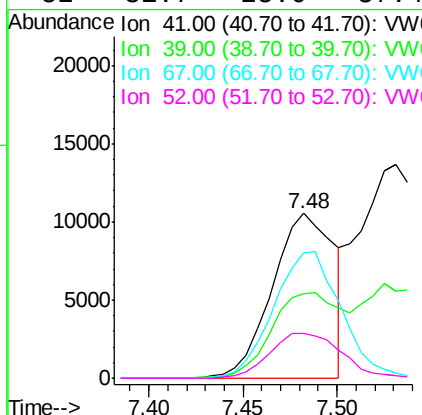
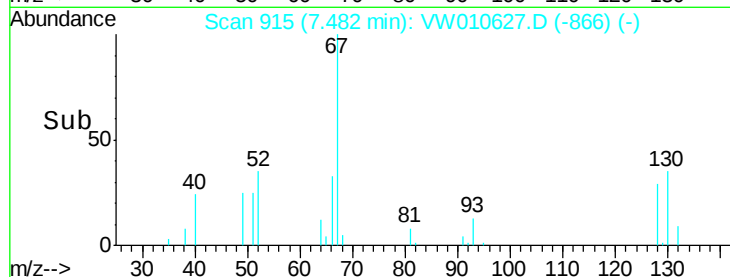
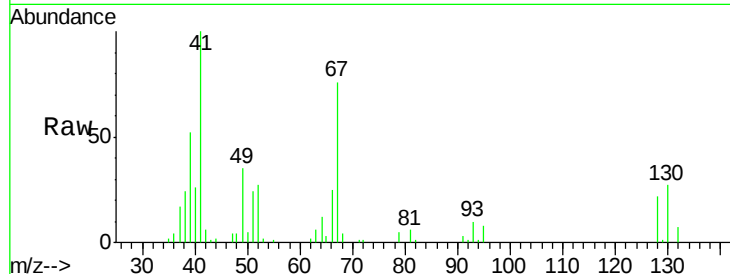
#41
Methacrylonitrile
Concen: 49.558 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	24052
Ion	Ratio	Lower	Upper
41	100		
39	60.2	47.4	71.2
67	83.4	65.5	98.3
52	31.7	25.0	37.4

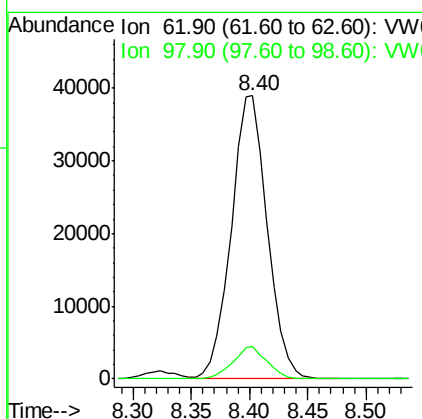
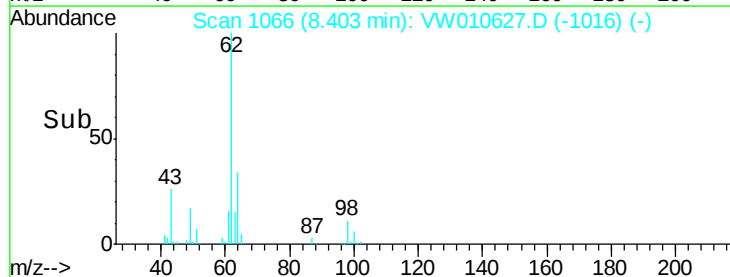
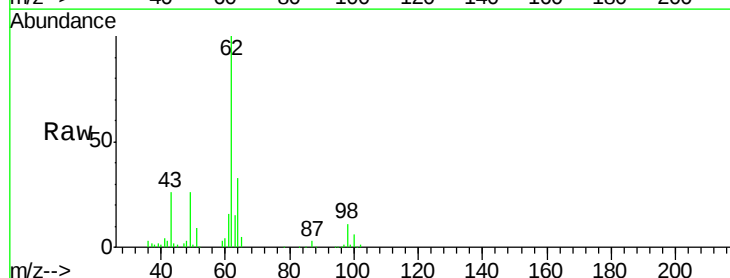
Manual Integrations
APPROVED

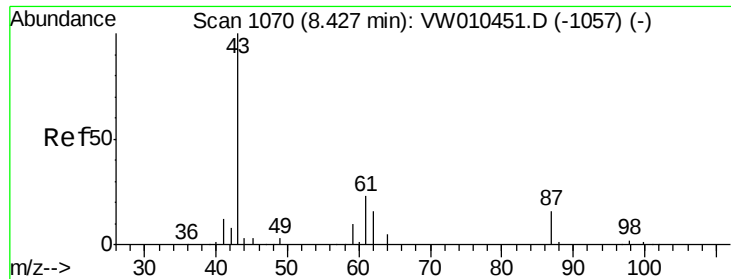
MMDadoda
6/1/2019 4:27:17 AM



#42
1,2-Dichloroethane
Concen: 54.982 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion:	62	Resp:	83894
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0





#43

Isopropyl Acetate

Concen: 52.217 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

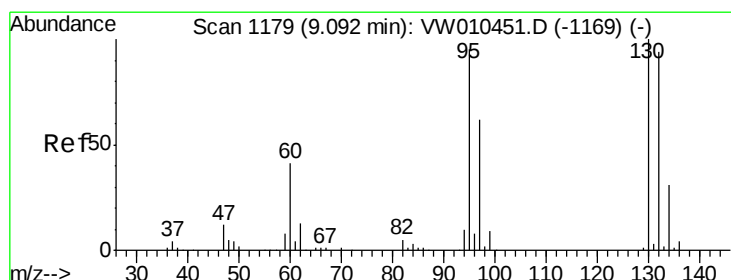
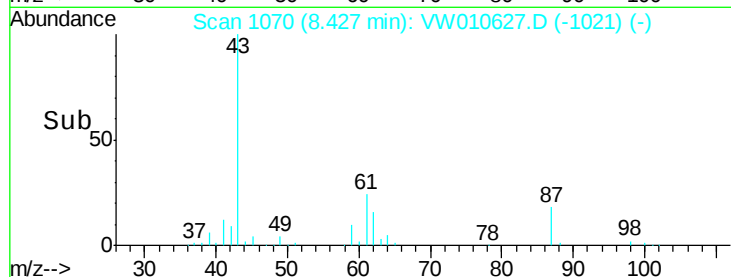
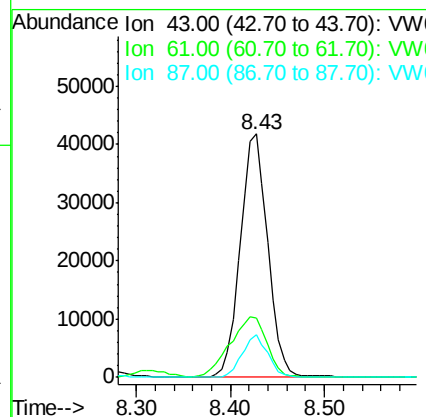
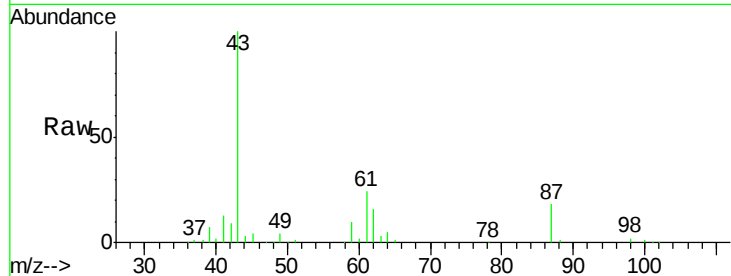
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	85208
Ion	Ratio	Lower	Upper
43	100		
61	33.4	25.4	38.2
87	16.3	12.7	19.1

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#44

Trichloroethene

Concen: 55.086 ug/l

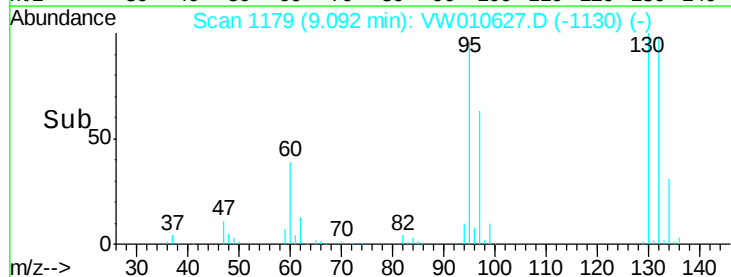
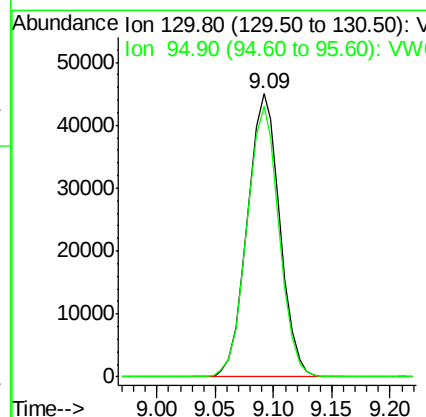
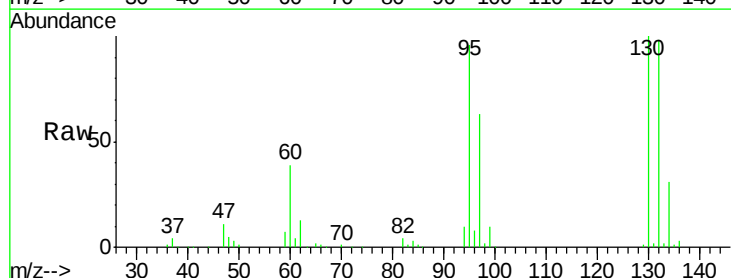
RT: 9.09 min Scan# 1179

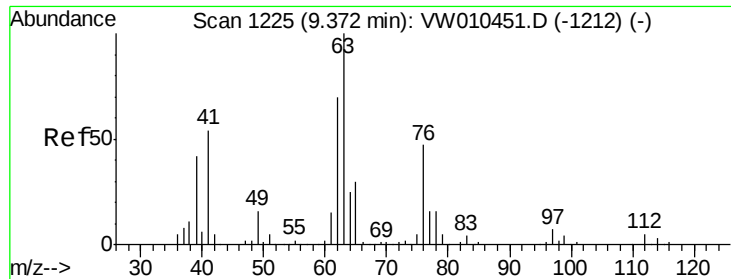
Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:	130	Resp:	87308
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	189.6





#45

1,2-Dichloropropane

Concen: 54.434 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 69018

Ion Ratio Lower Upper

63 100

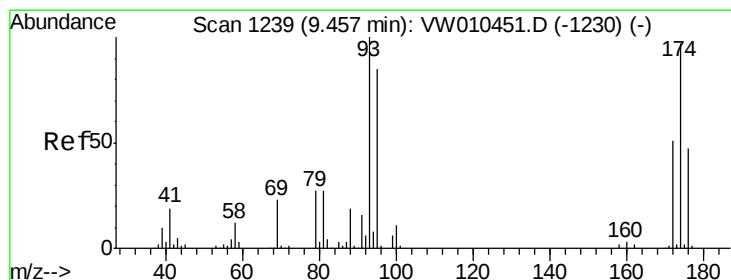
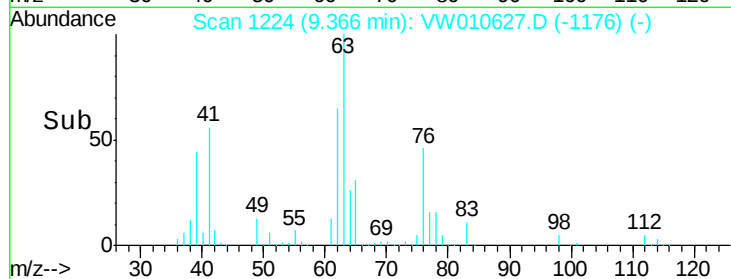
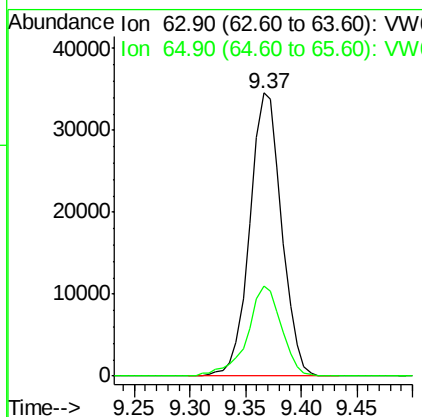
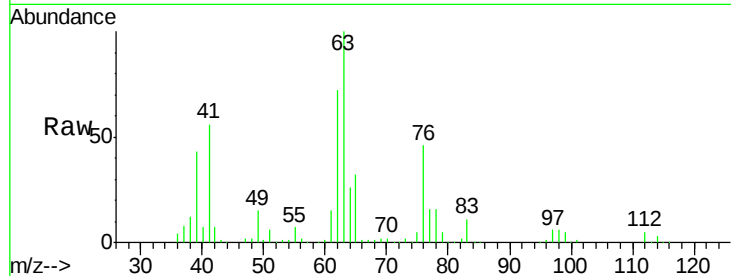
65 31.9 24.3 36.5

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#46

Dibromomethane

Concen: 56.779 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

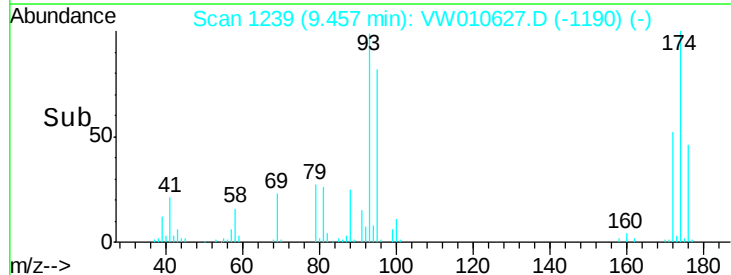
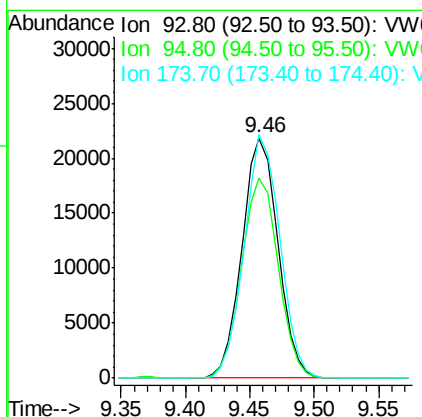
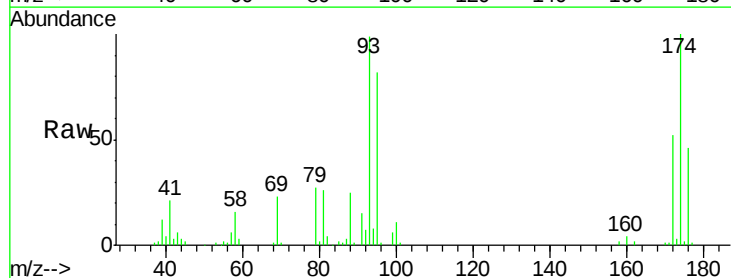
Tgt Ion: 93 Resp: 42102

Ion Ratio Lower Upper

93 100

95 85.1 66.1 99.1

174 101.2 77.1 115.7





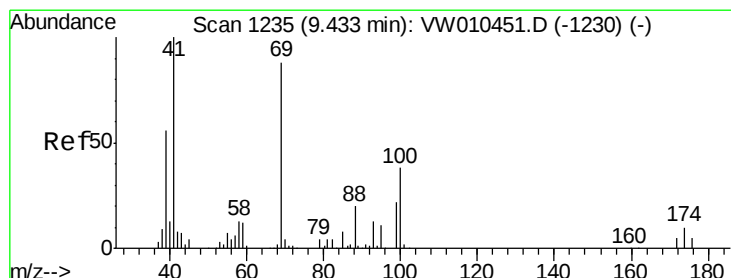
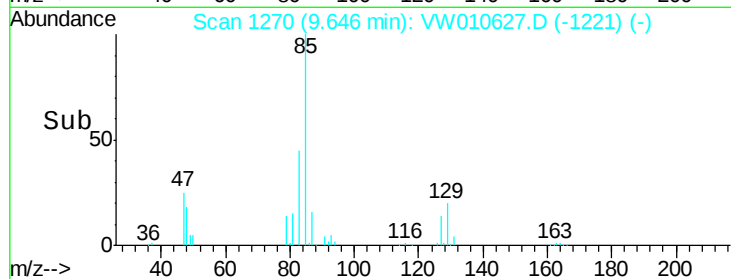
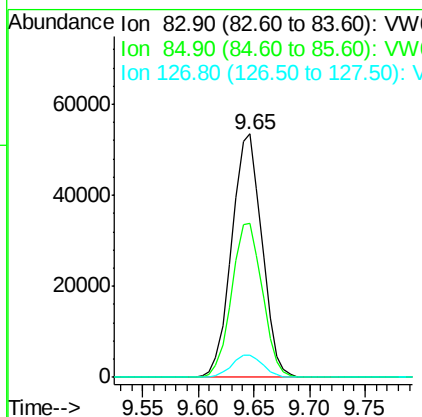
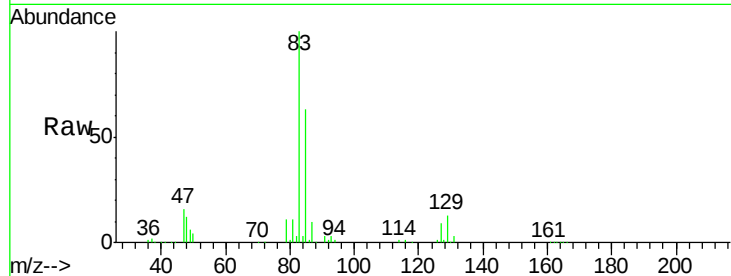
#47
Bromodichloromethane
Concen: 54.043 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	100704		
85	63.2		50.4	75.6
127	9.0		7.4	11.0

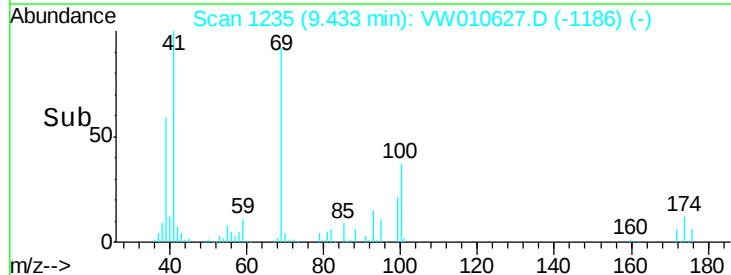
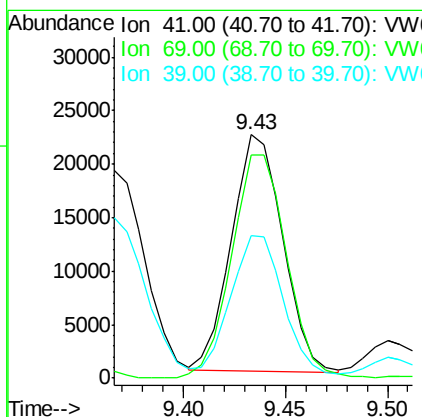
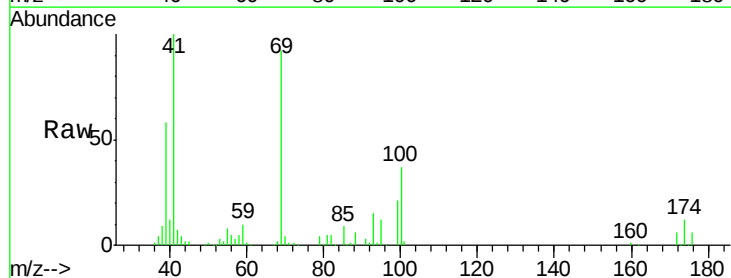
Manual Integrations
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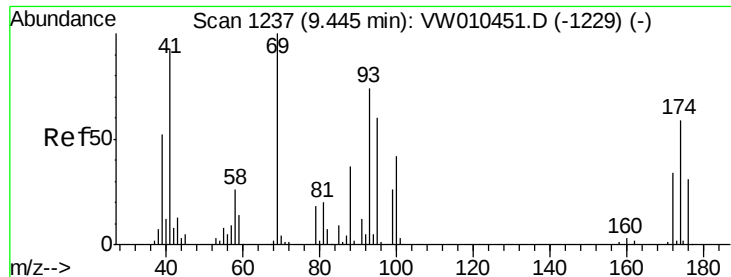
MMDadoda
6/1/2019 4:27:17 AM



#48
Methyl methacrylate
Concen: 51.595 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	38517		
69	101.7		77.6	116.4
39	63.4		49.8	74.8





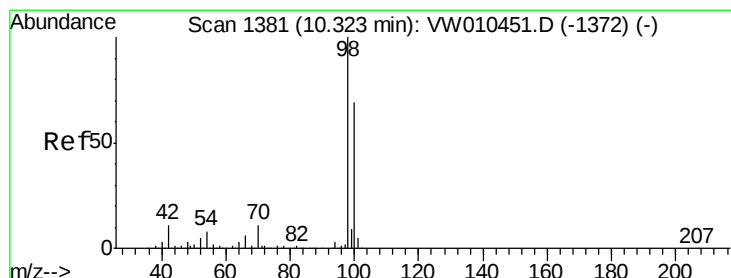
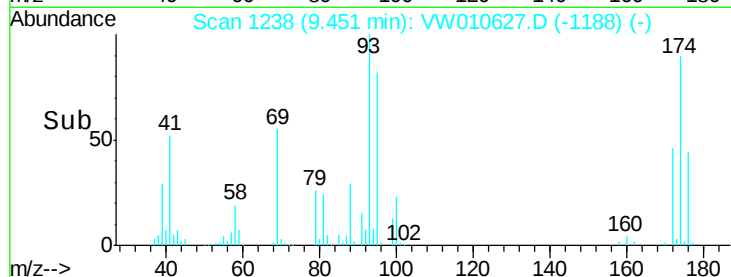
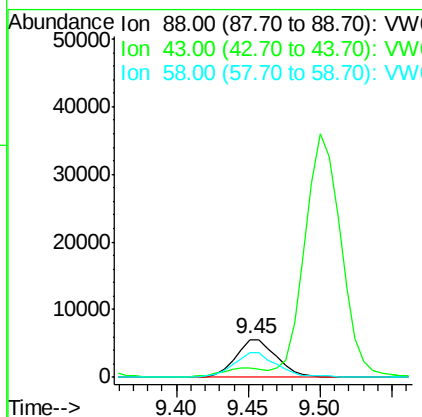
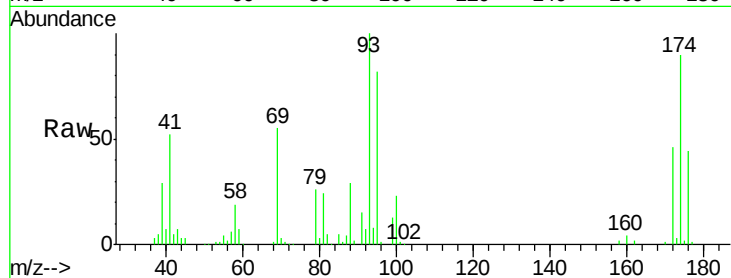
#49
1,4-Dioxane
Concen: 922.970 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	11180
Ion	Ratio	Lower	Upper
88	100		
43	27.2	25.9	38.9
58	70.1	52.7	79.1

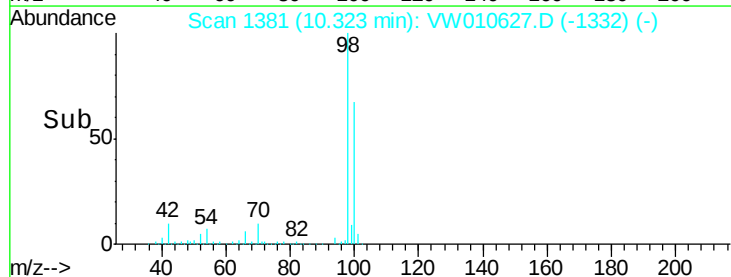
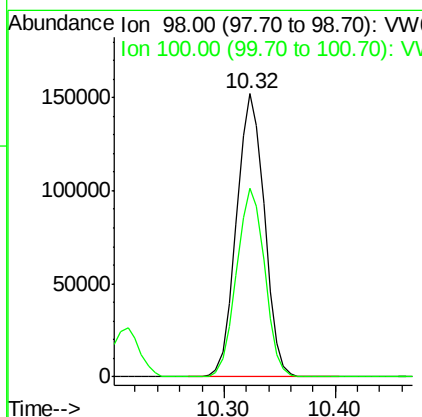
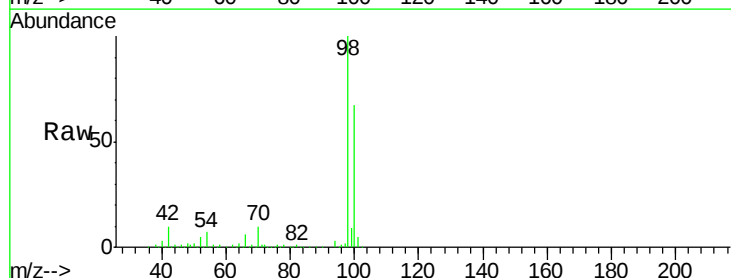
Manual Integrations
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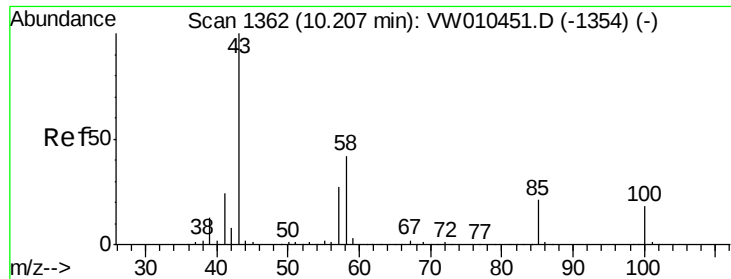
MMDadoda
6/1/2019 4:27:17 AM



#50
Toluene-d8
Concen: 55.259 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	98	Resp	264115
Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 270.074 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 223317

Ion Ratio Lower Upper

43 100

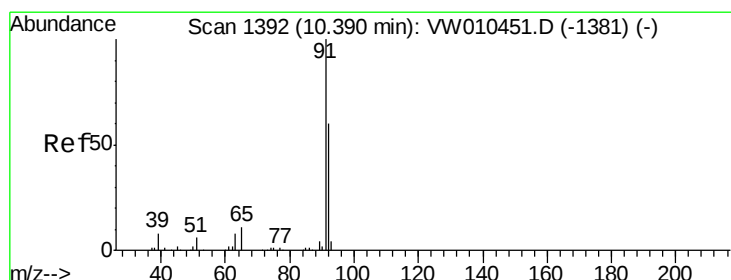
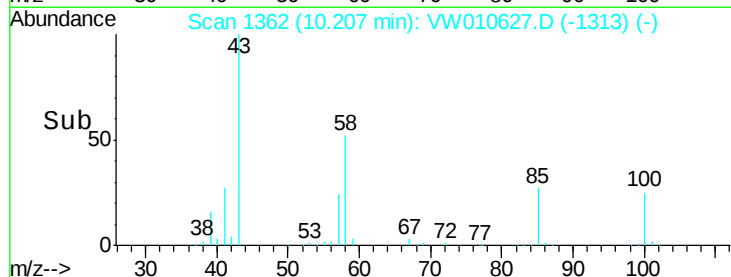
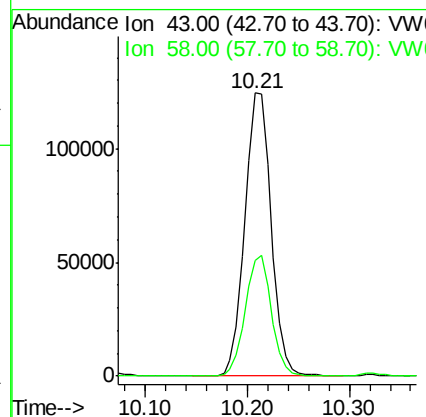
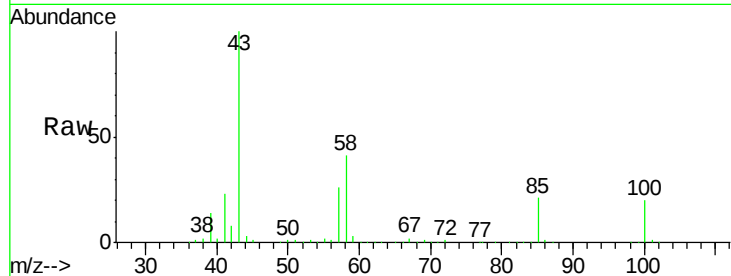
58 42.1 33.2 49.8

Manual Integrations

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MMDadoda

6/1/2019 4:27:17 AM



#52

Toluene

Concen: 54.581 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010627.D

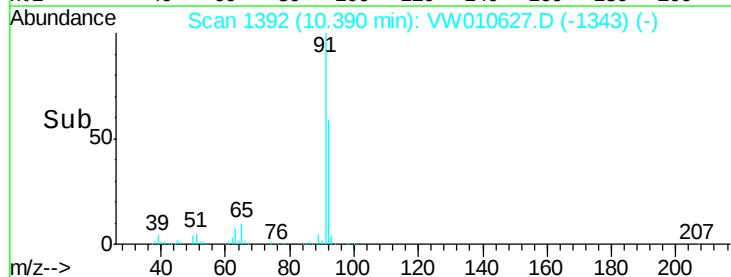
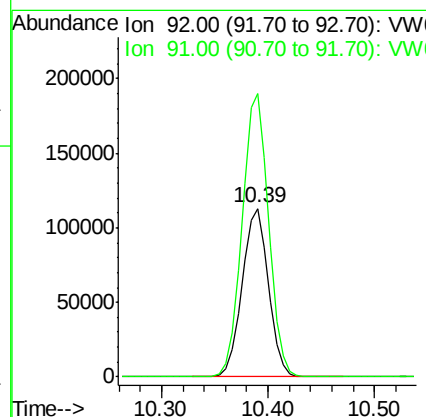
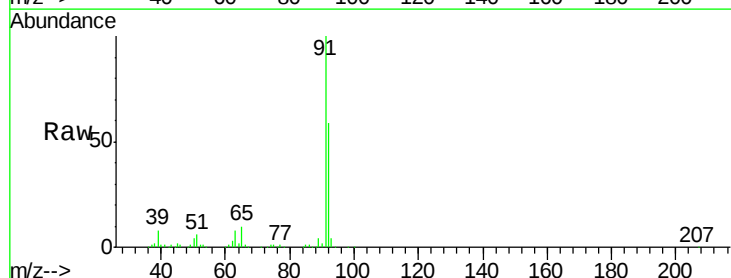
Acq: 30 May 2019 21:00

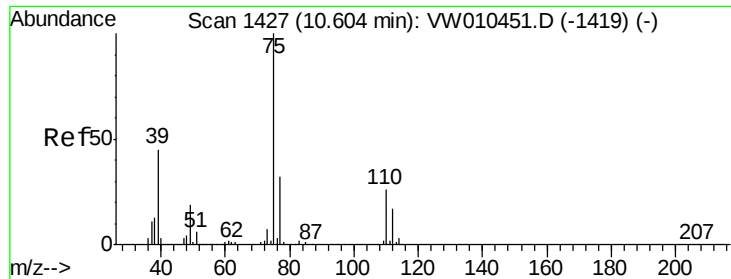
Tgt Ion: 92 Resp: 195693

Ion Ratio Lower Upper

92 100

91 169.0 135.4 203.0





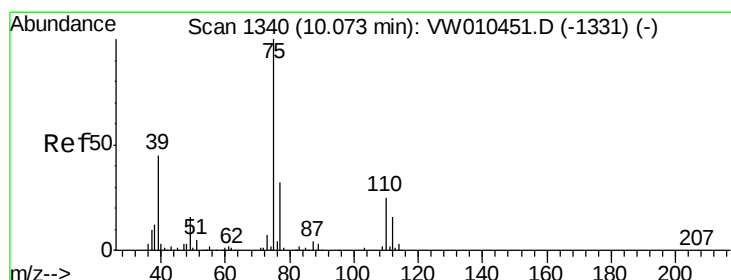
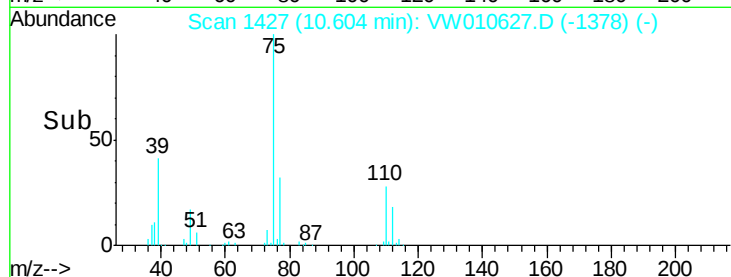
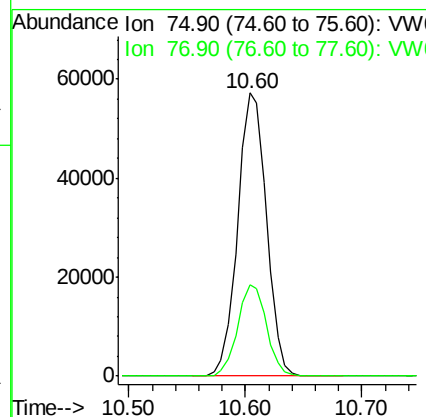
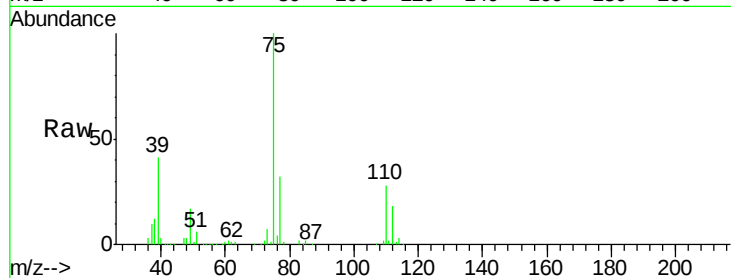
#53
 t-1,3-Dichloropropene
 Concen: 52.261 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	75	Resp	98628
Ion Ratio	Lower	Upper	
75	100		
77	32.3	25.4	38.0

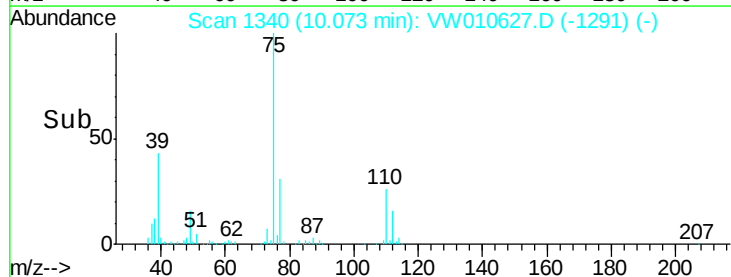
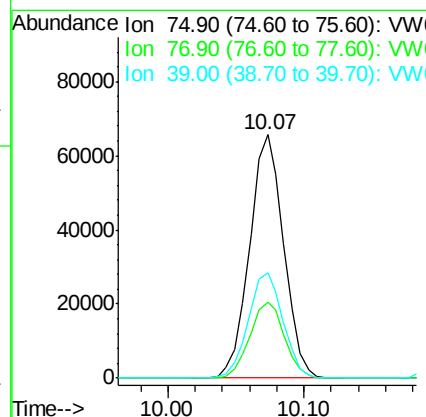
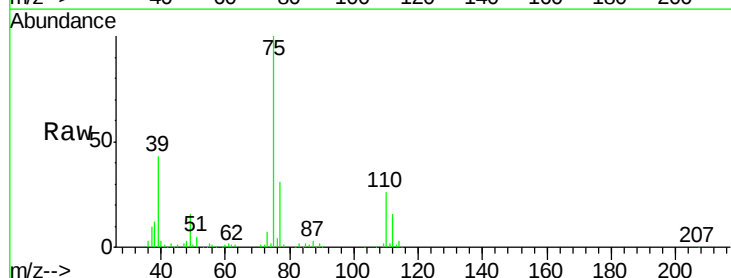
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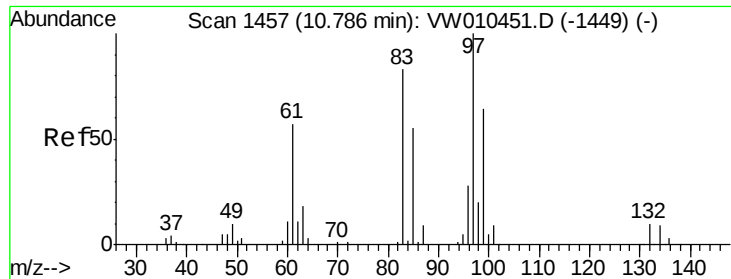
MMDadoda
 6/1/2019 4:27:17 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.482 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Tgt Ion	75	Resp	115270
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.7	38.5
39	43.4	36.2	54.4





#55

1,1,2-Trichloroethane

Concen: 57.126 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

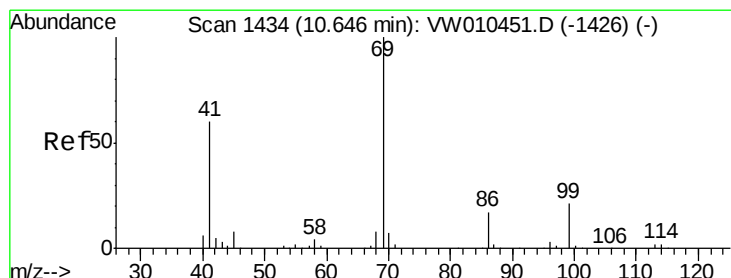
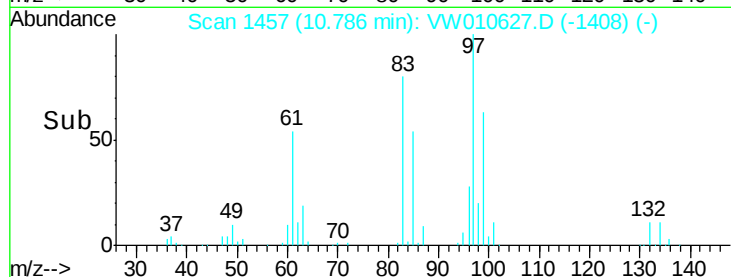
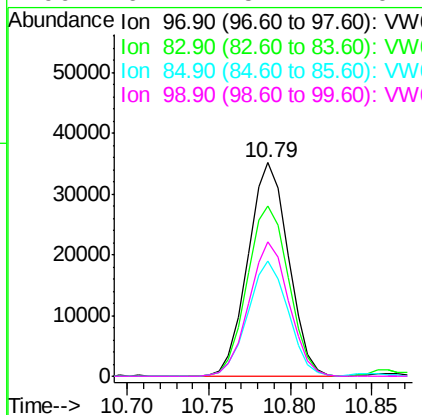
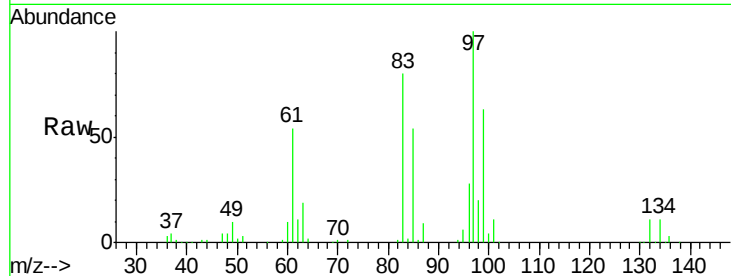
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	60914
Ion	Ratio	Lower	Upper
97	100		
83	79.9	66.1	99.1
85	53.7	44.2	66.4
99	62.7	51.1	76.7

Manual Integrations
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6/1/2019 4:27:17 AM



#56

Ethyl methacrylate

Concen: 53.829 ug/l

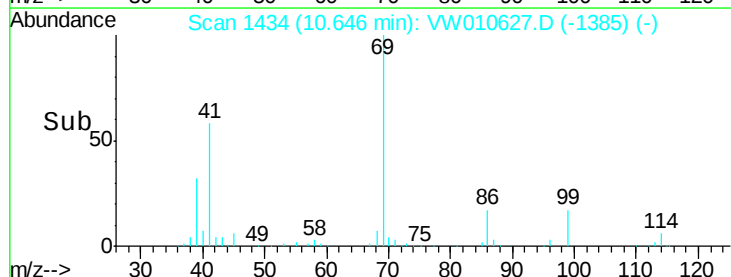
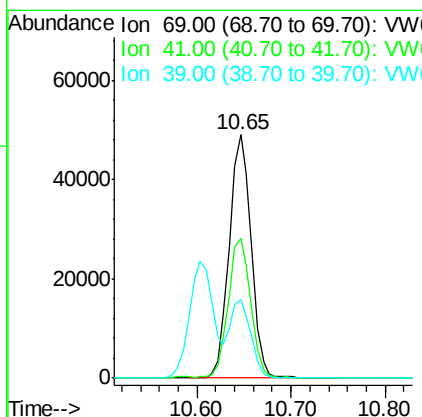
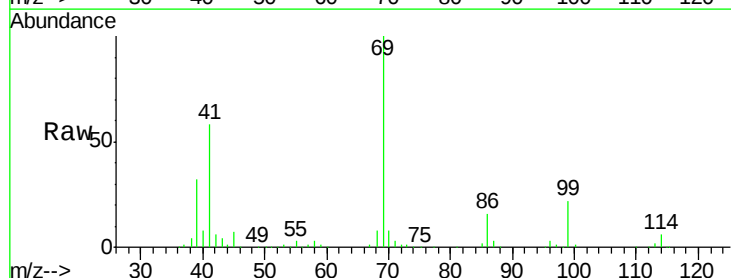
RT: 10.65 min Scan# 1434

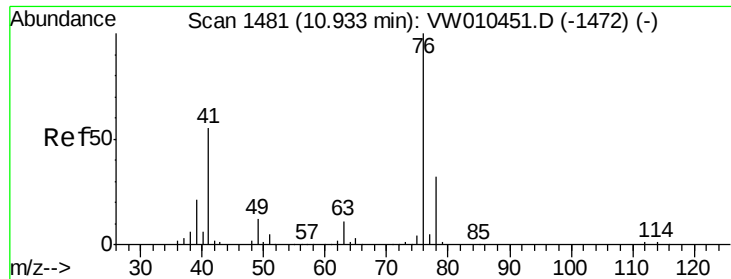
Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:	69	Resp:	79161
Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.7	71.5
39	30.8	25.3	37.9





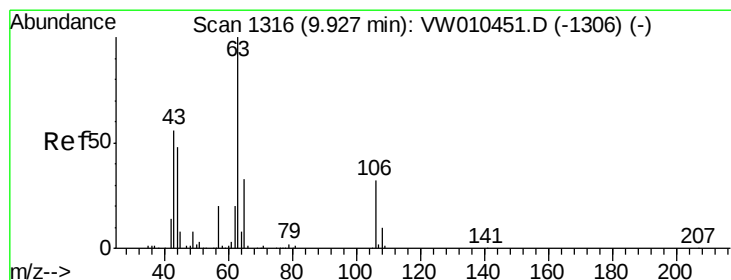
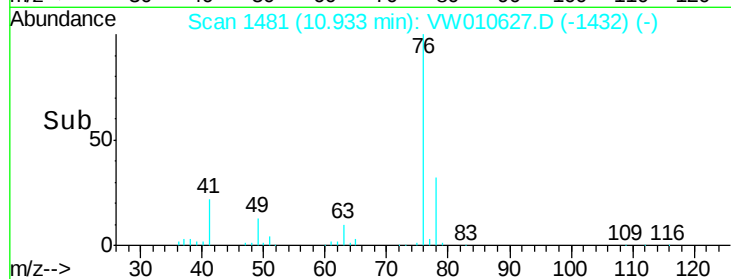
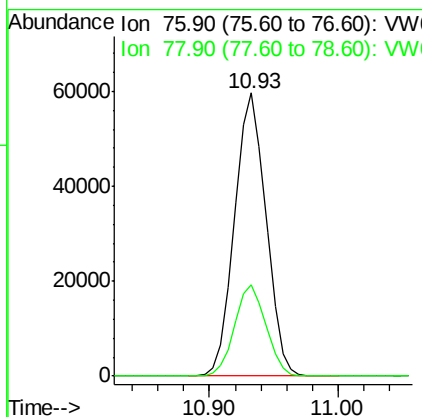
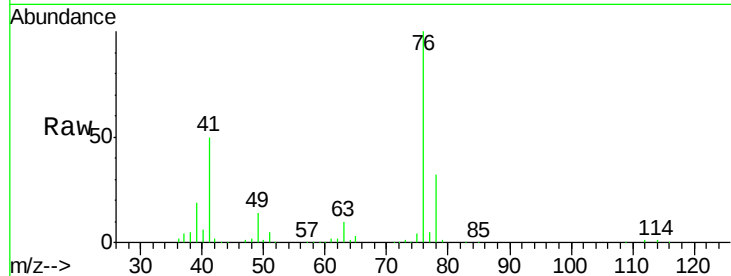
#57
 1,3-Dichloropropane
 Concen: 56.566 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 101034
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

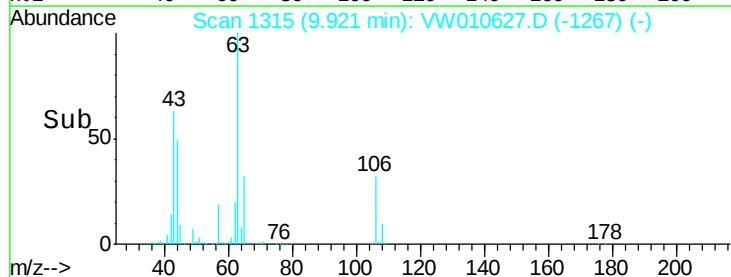
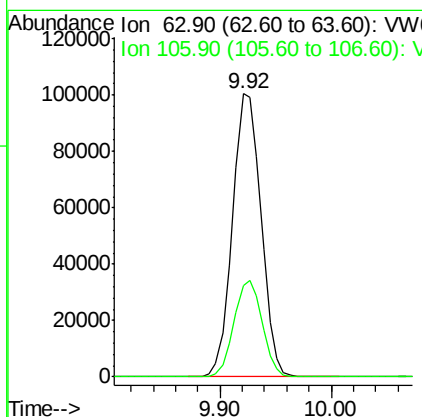
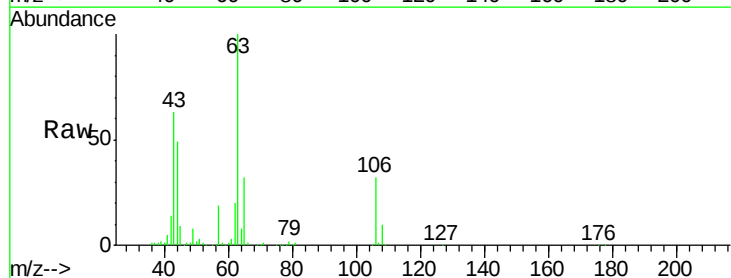
Manual Integrations
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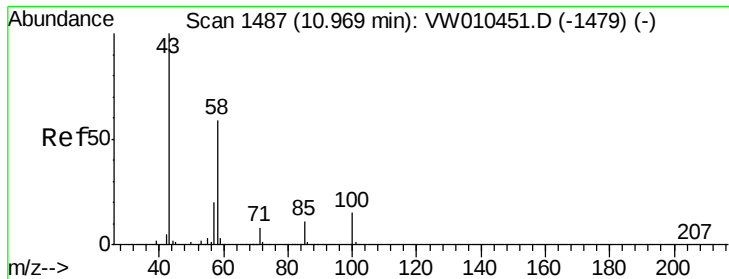
MMDadoda
 6/1/2019 4:27:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.021 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Tgt Ion: 63 Resp: 178491
 Ion Ratio Lower Upper
 63 100
 106 33.6 25.8 38.6





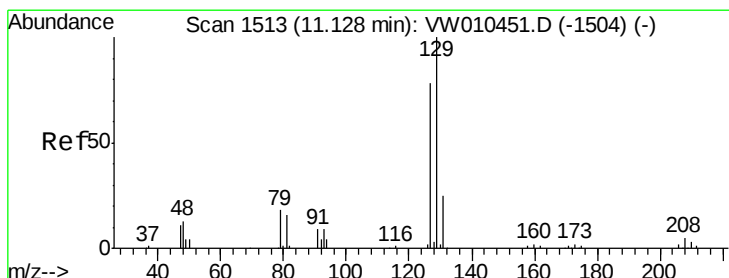
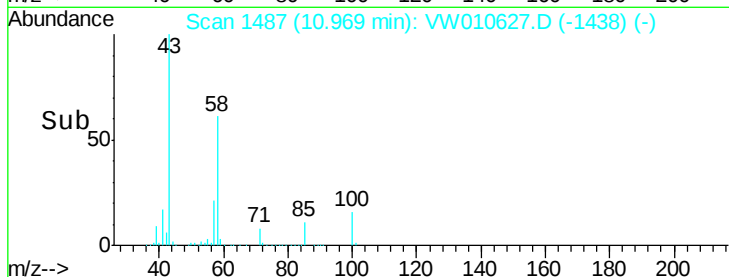
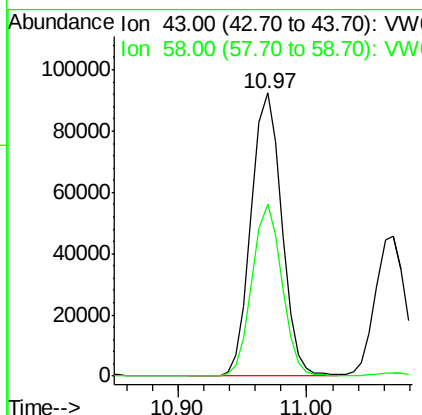
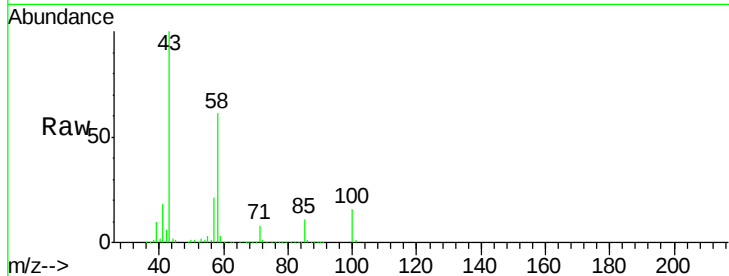
#59
2-Hexanone
Concen: 257.568 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 151926
Ion Ratio Lower Upper
43 100
58 59.3 28.9 86.8

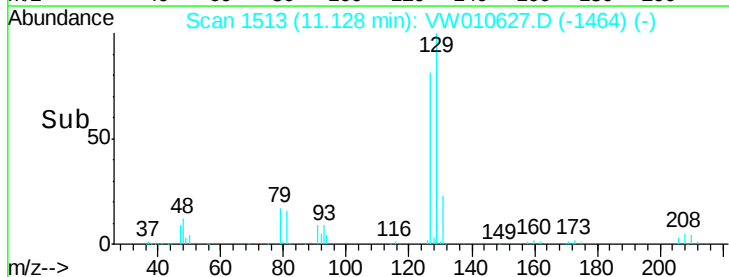
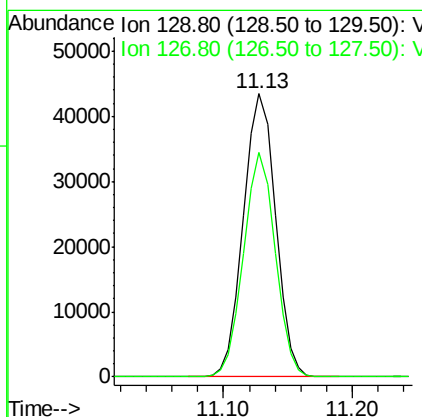
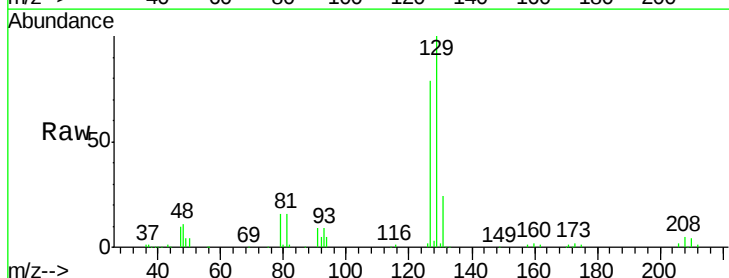
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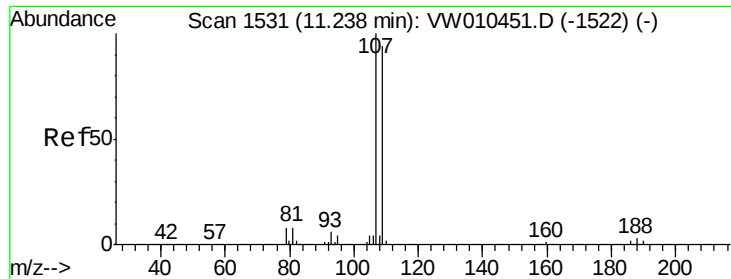
MMDadoda
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#60
Dibromochloromethane
Concen: 55.861 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion: 129 Resp: 75385
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





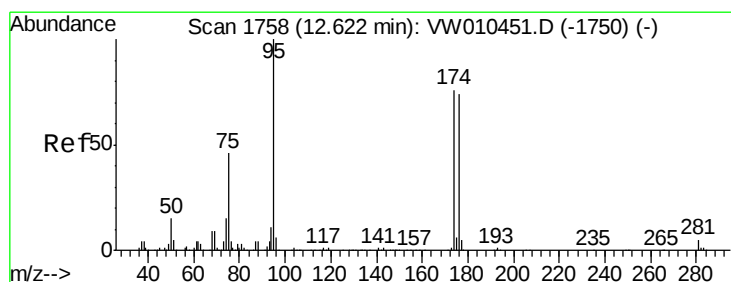
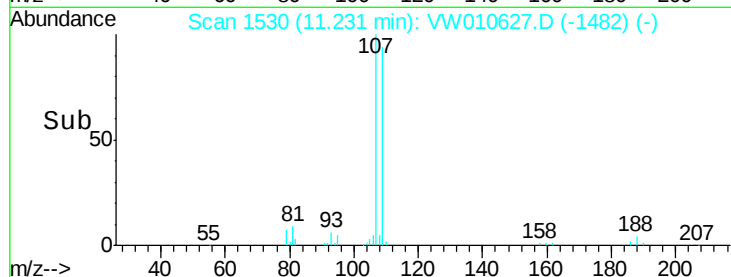
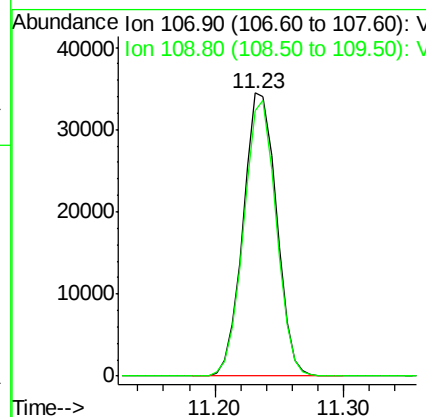
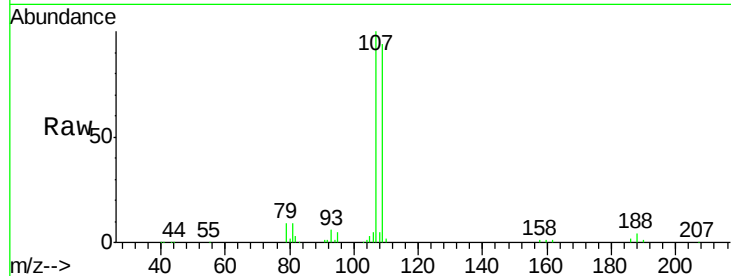
#61
 1,2-Dibromoethane
 Concen: 57.075 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.4

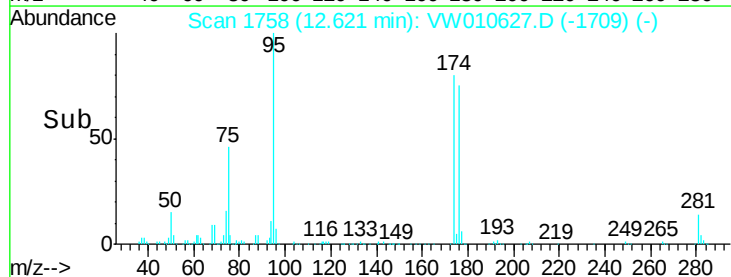
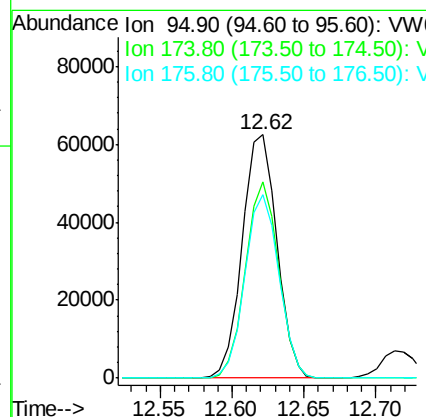
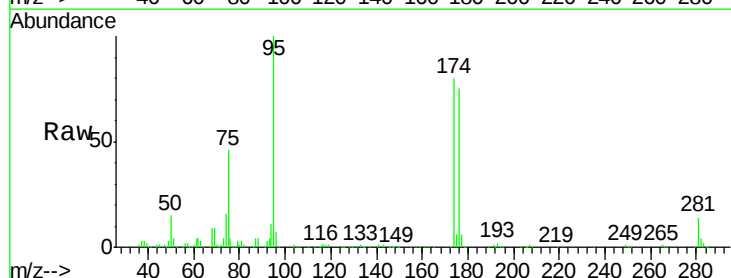
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#62
 4-Bromofluorobenzene
 Concen: 54.789 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	148.6
176	73.8	0.0	144.2





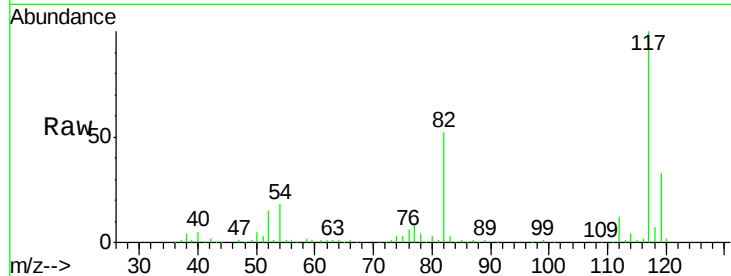
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	185178		
82	51.8	42.8	64.2	
119	33.3	26.3	39.5	

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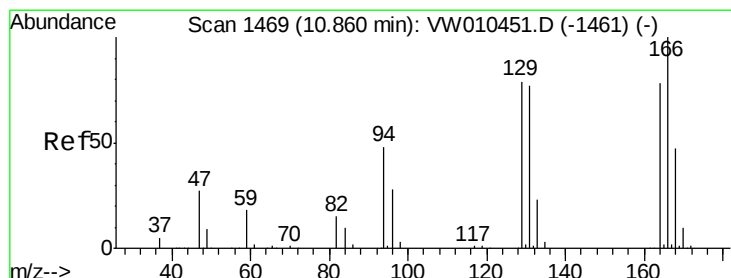
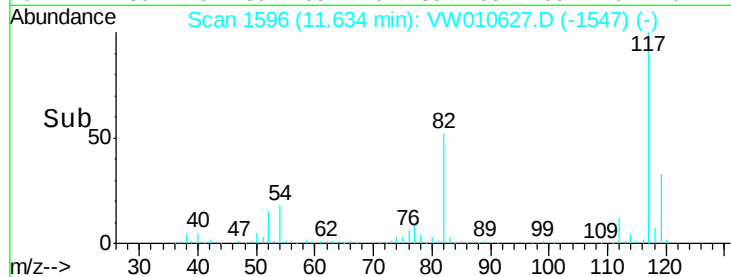
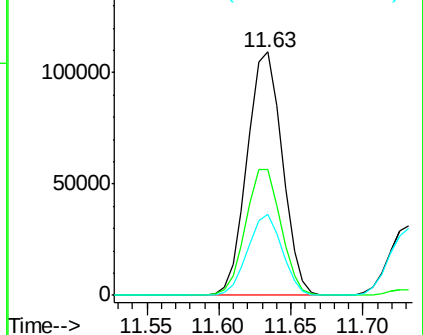


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 60.710 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78368		
166	126.4	101.9	152.9	
129	99.4	80.6	121.0	
131	91.5	78.2	117.2	

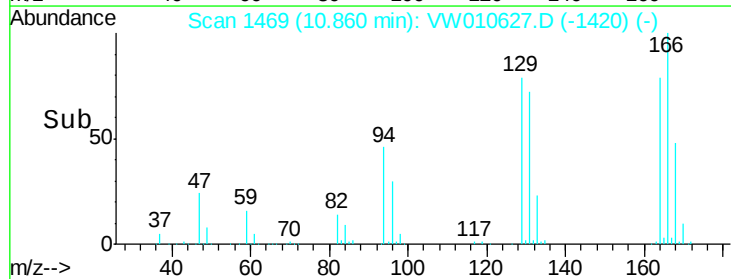
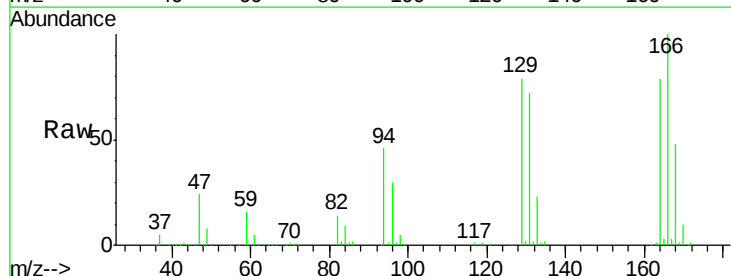
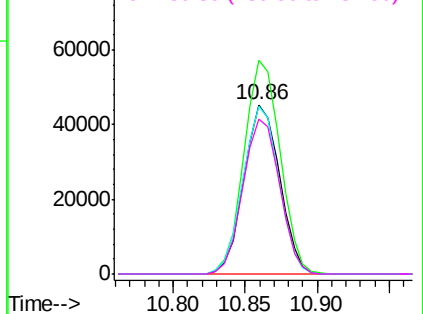
Abundance

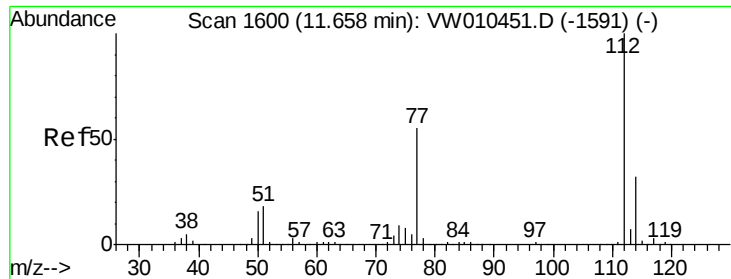
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 55.469 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 218914

Ion Ratio Lower Upper

112 100

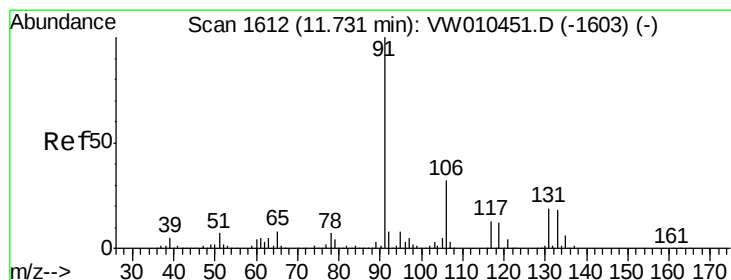
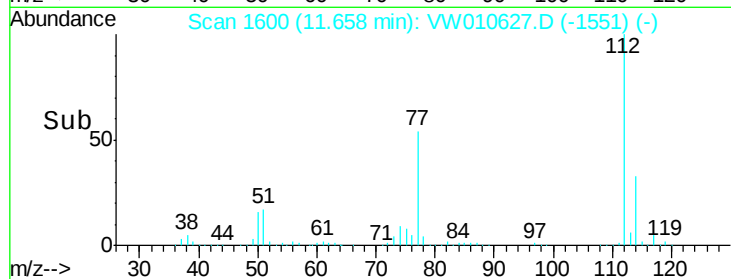
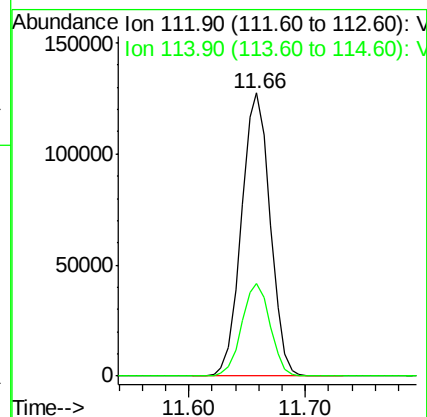
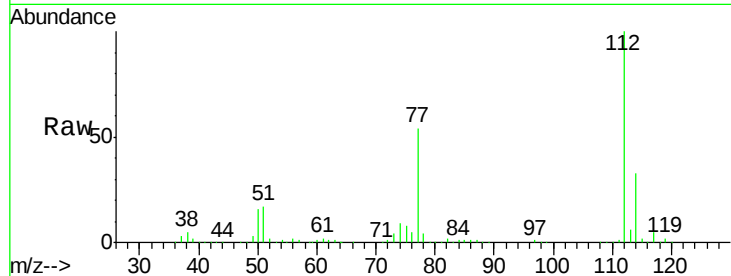
114 32.6 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 55.521 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

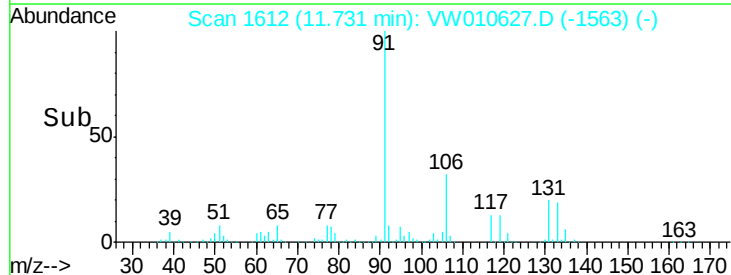
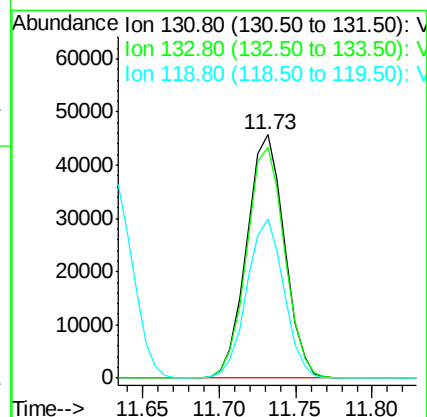
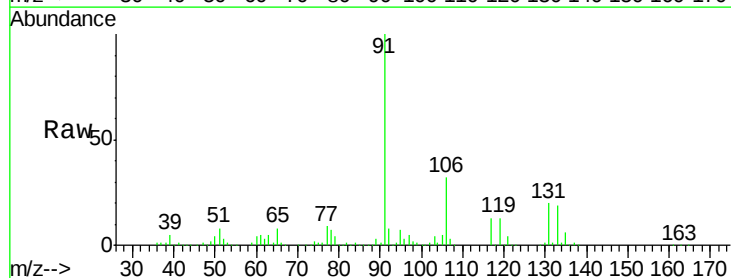
Tgt Ion:131 Resp: 78493

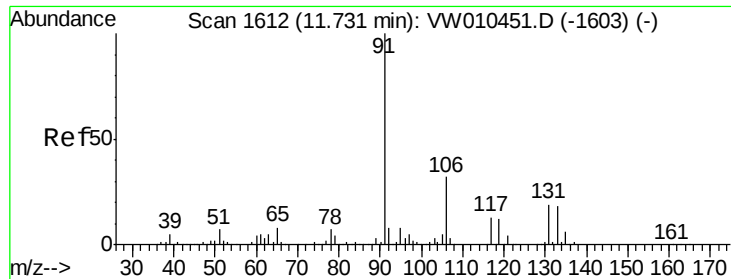
Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.9

119 64.3 32.1 96.5





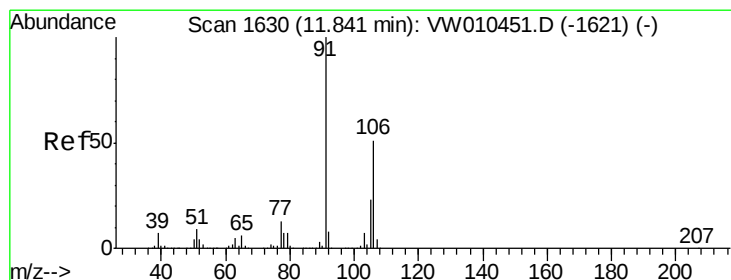
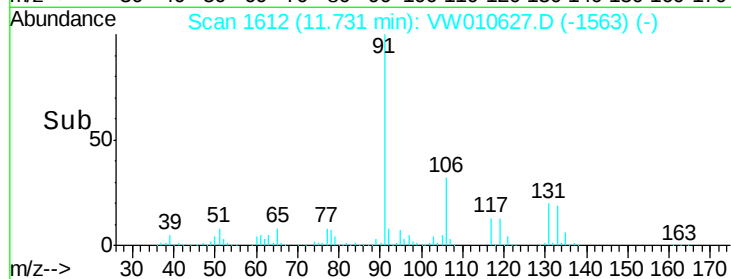
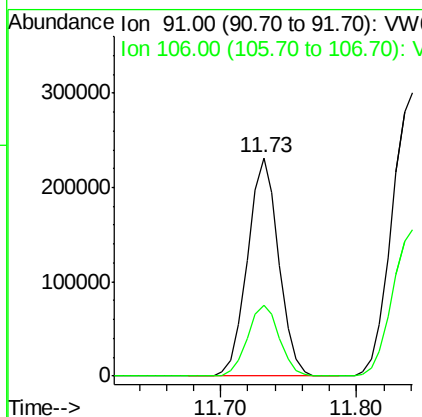
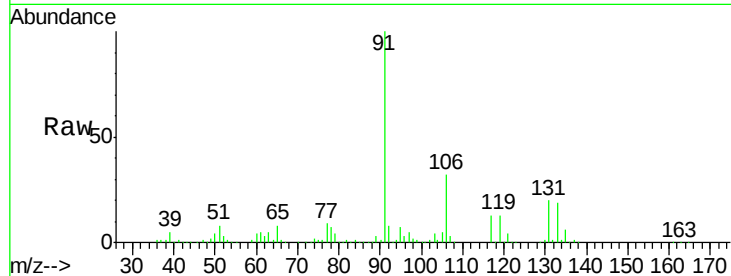
#67
Ethyl Benzene
Concen: 53.285 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.9	38.9

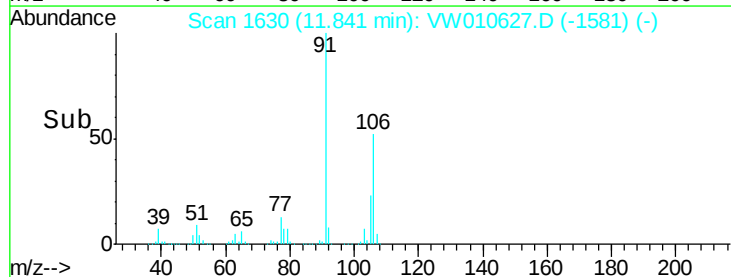
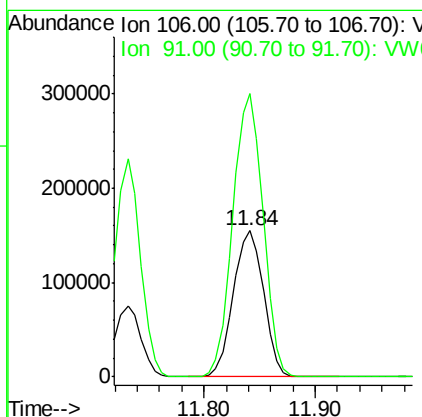
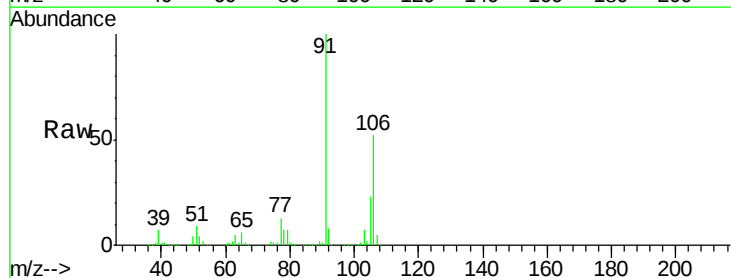
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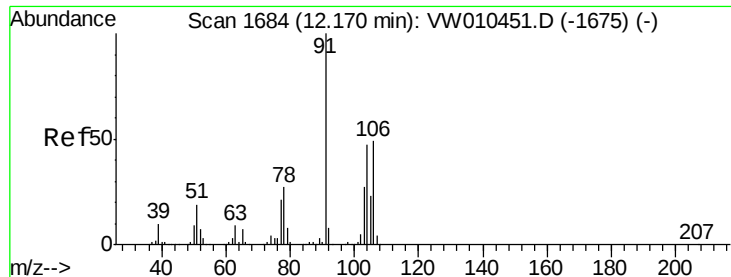
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#68
m/p-Xylenes
Concen: 107.003 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.7	156.0	234.0





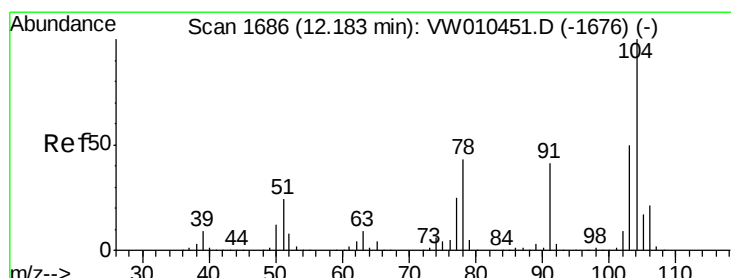
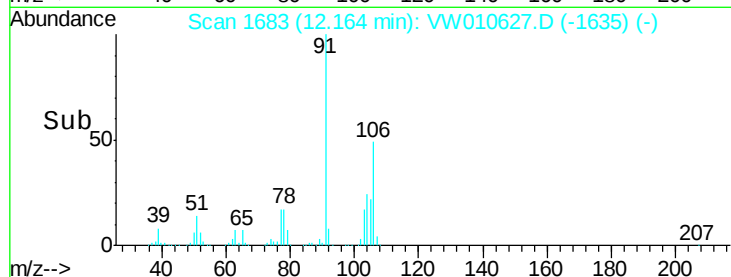
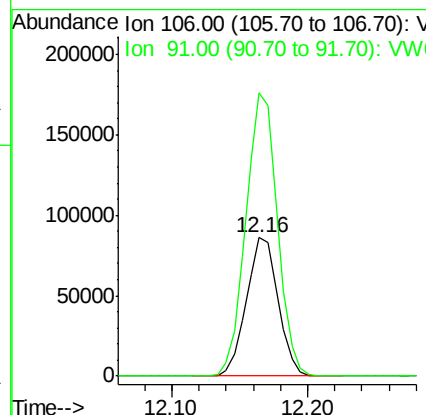
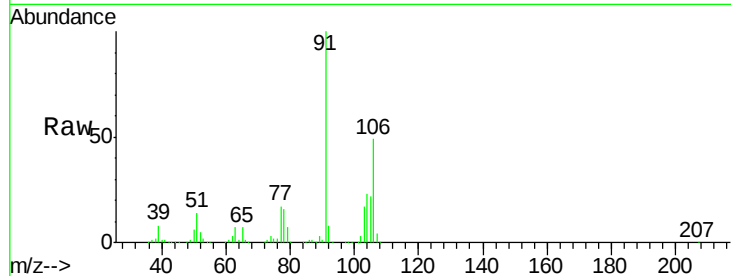
#69
o-Xylene
Concen: 54.239 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	203.2	103.2	309.4		

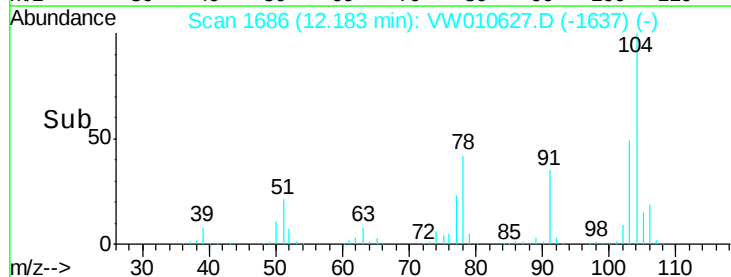
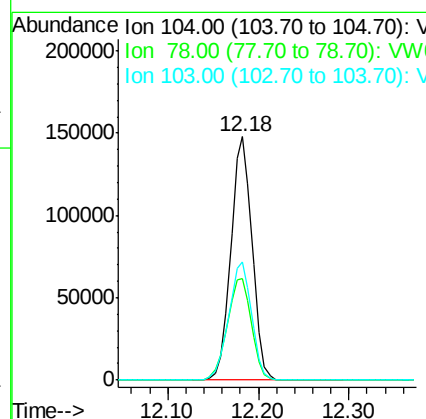
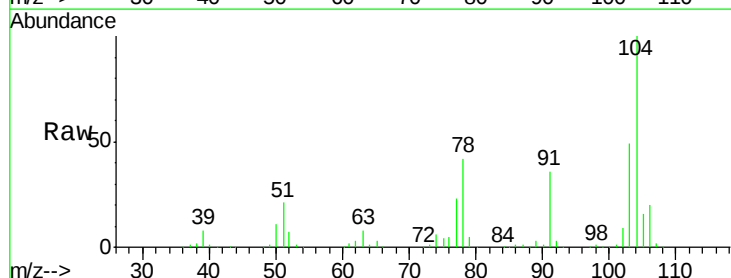
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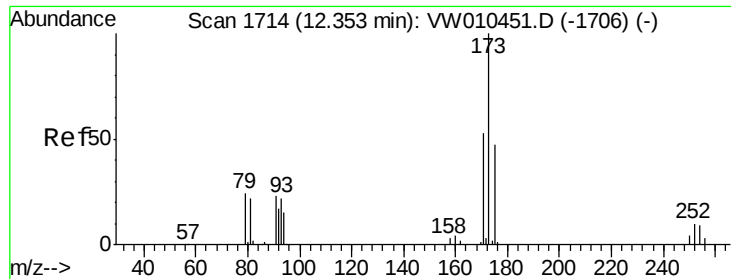
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#70
Styrene
Concen: 55.136 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.4	39.0	58.4		
103	52.6	43.0	64.6		





#71

Bromoform

Concen: 53.498 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

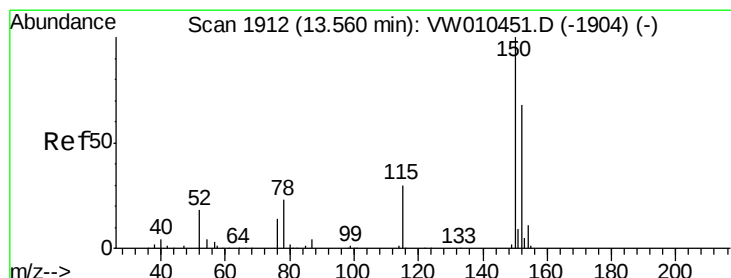
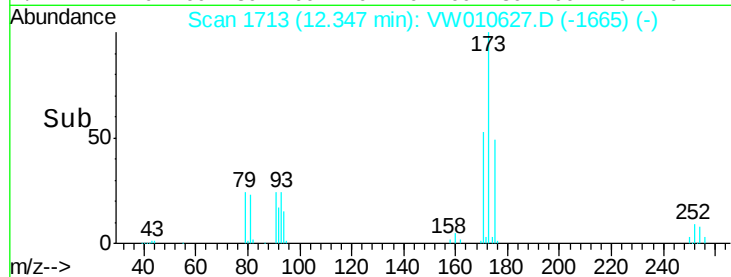
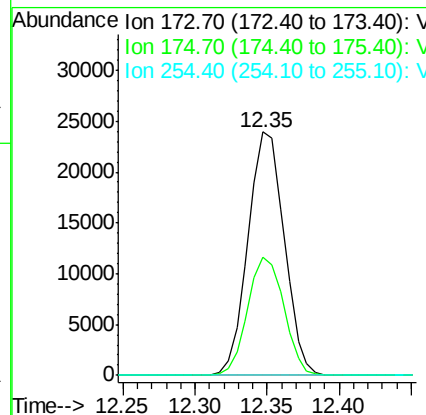
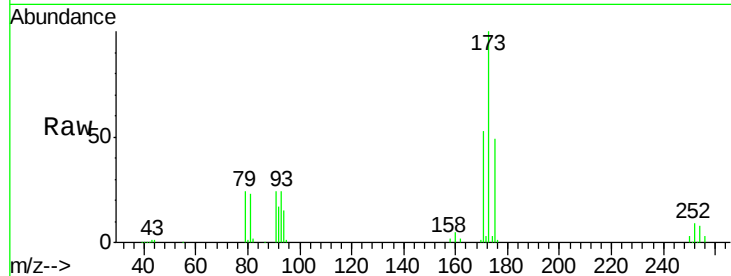
ClientSampleId :

VSTDCCC050EC

Tot Ion:173	Resp:	41650
Ion Ratio	Lower	Upper
173	100	
175	48.7	24.4 73.4
254	0.0	0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

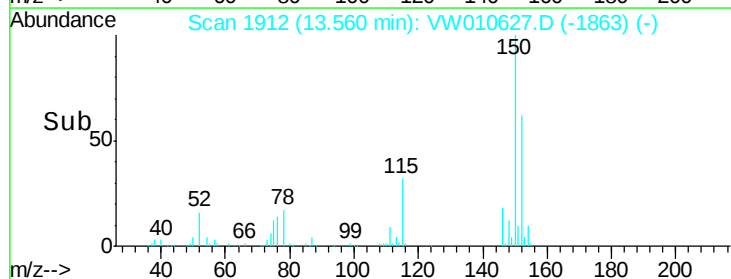
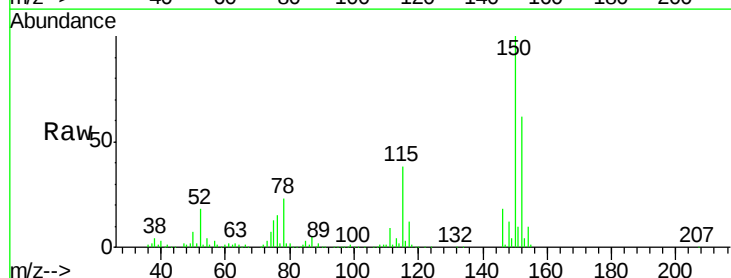
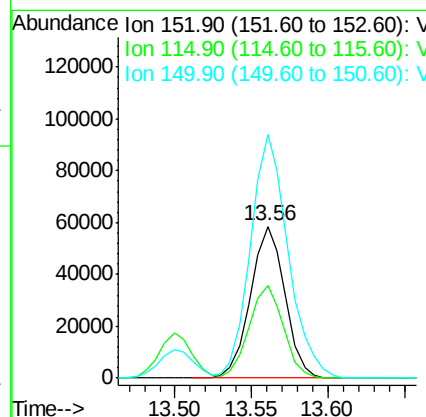
RT: 13.56 min Scan# 1912

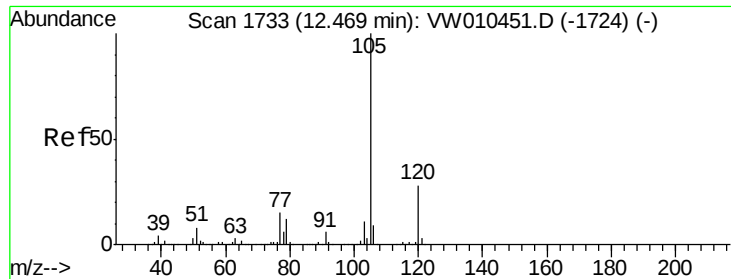
Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:152	Resp:	91528
Ion Ratio	Lower	Upper
152	100	
115	60.6	30.3 91.0
150	176.2	0.0 349.8





#73

Isopropylbenzene

Concen: 51.531 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 374270

Ion Ratio Lower Upper

105 100

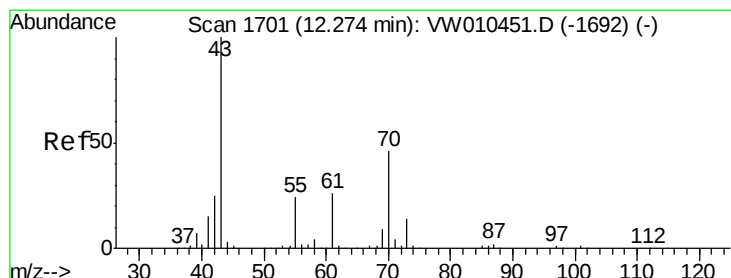
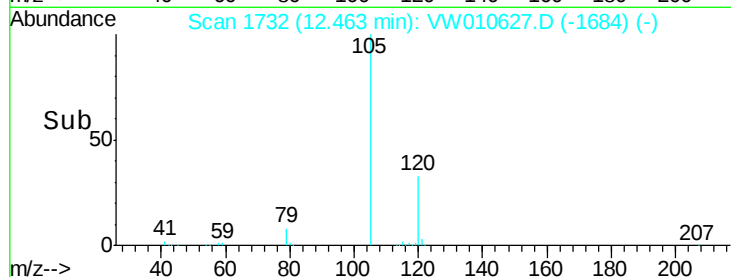
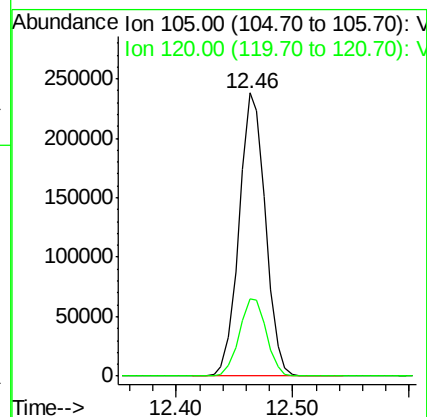
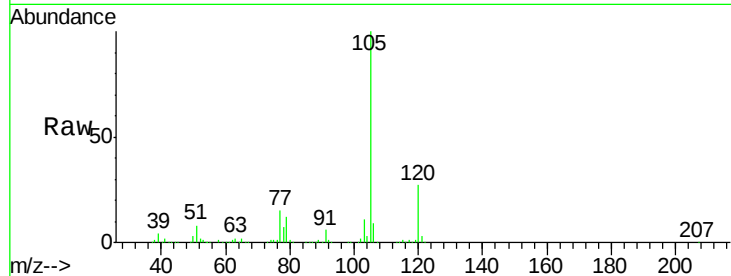
120 28.1 13.9 41.7

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#74

N-ethyl acetate

Concen: 48.433 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion: 43 Resp: 80610

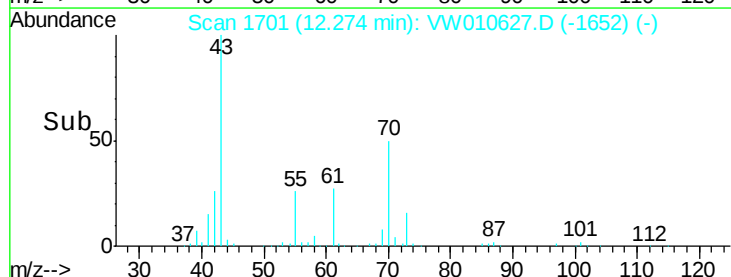
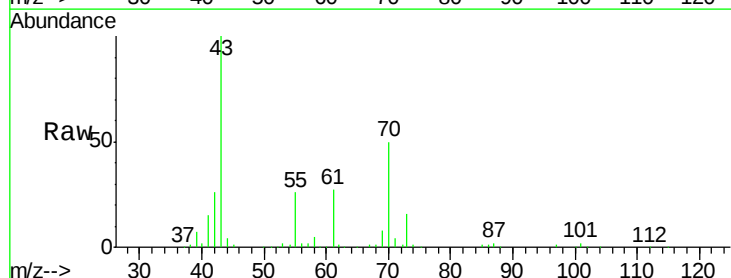
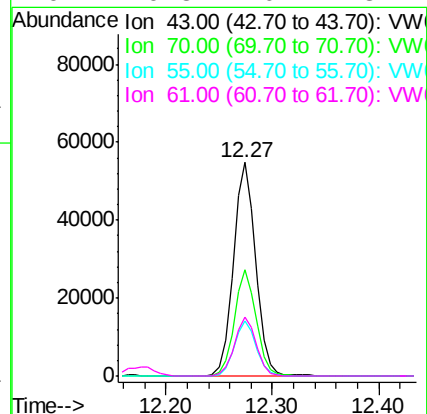
Ion Ratio Lower Upper

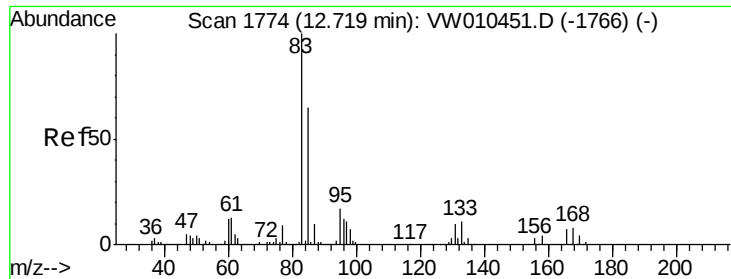
43 100

70 48.7 37.1 55.7

55 25.4 19.6 29.4

61 26.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.532 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

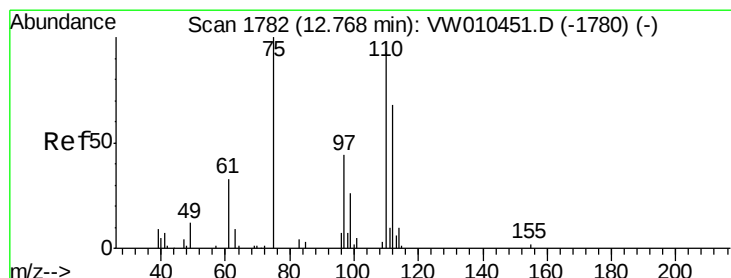
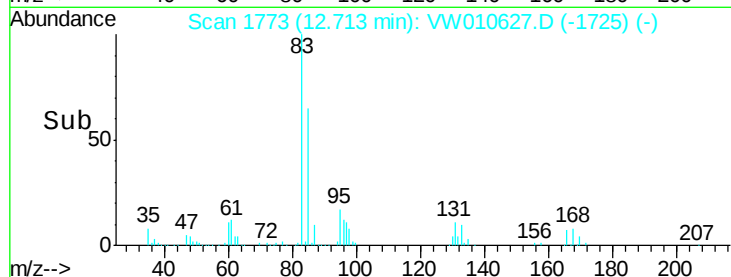
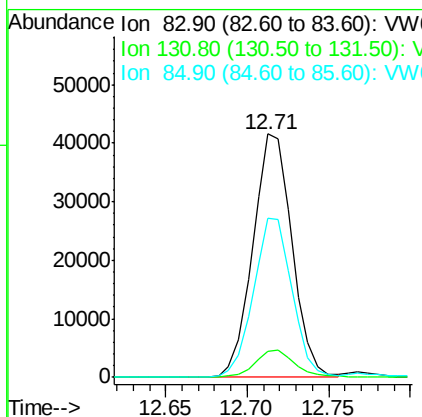
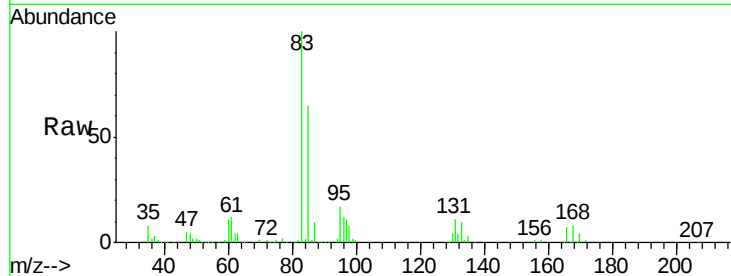
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	69398
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.6	16.8
85	64.4	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.776 ug/l m

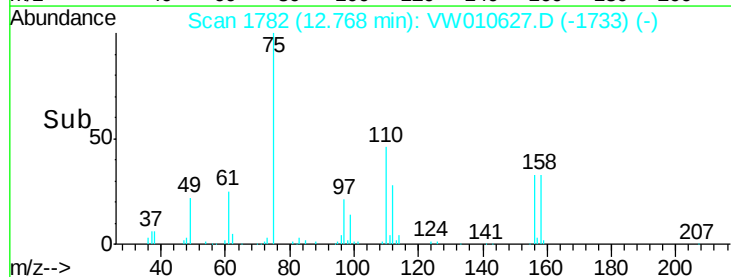
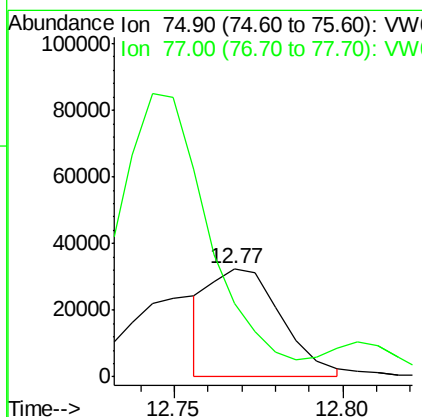
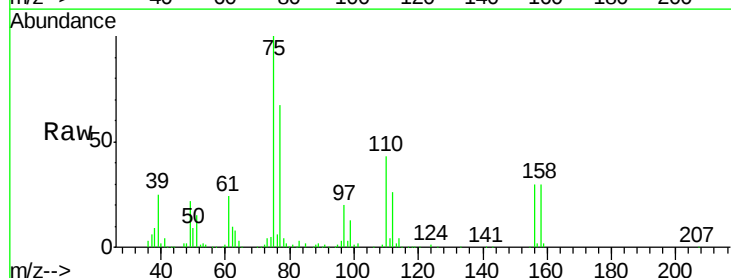
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:	75	Resp:	48103
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





#77

Bromobenzene

Concen: 55.953 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

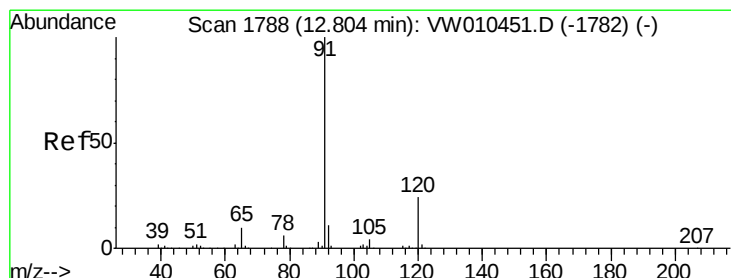
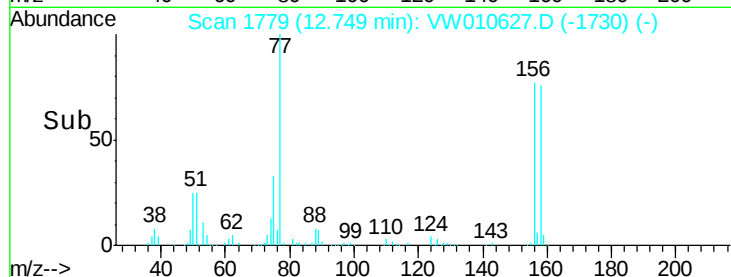
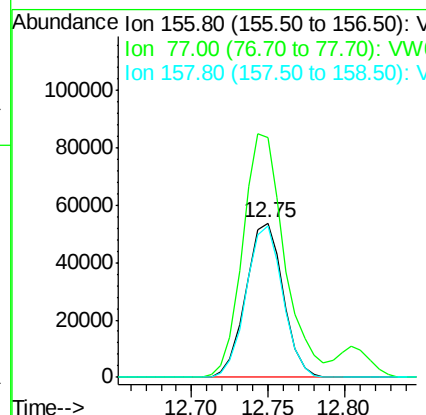
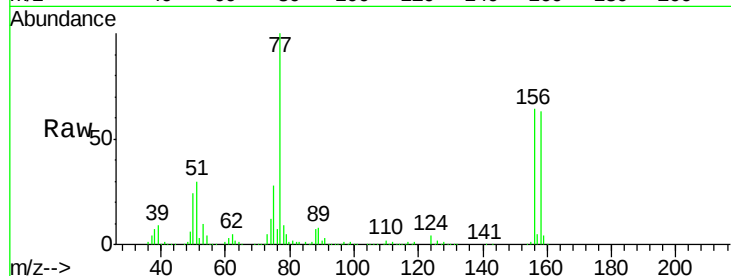
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.7	92.4	277.2
158	96.6	48.3	144.8

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#78

n-propylbenzene

Concen: 50.371 ug/l

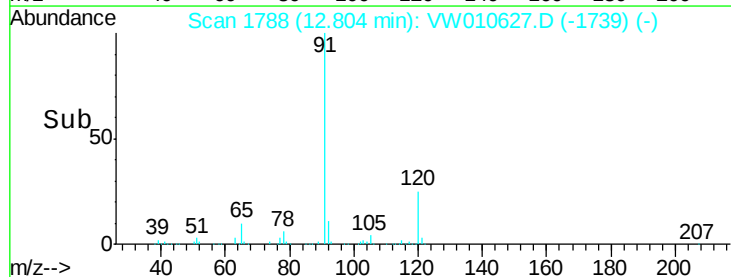
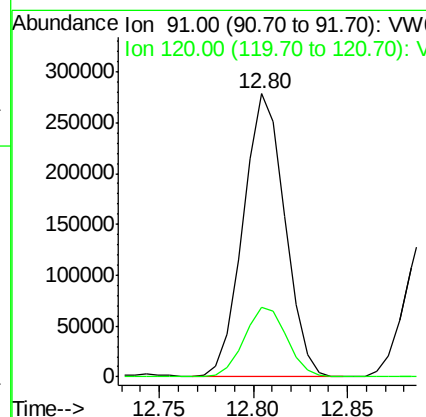
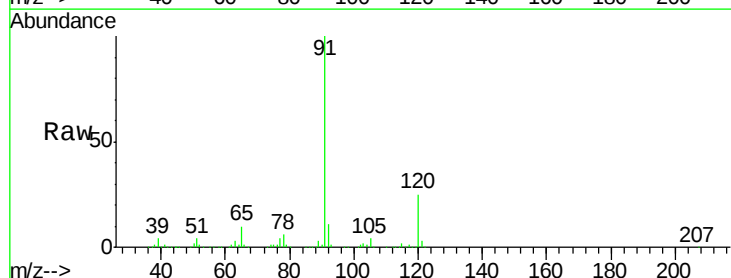
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.3	36.8





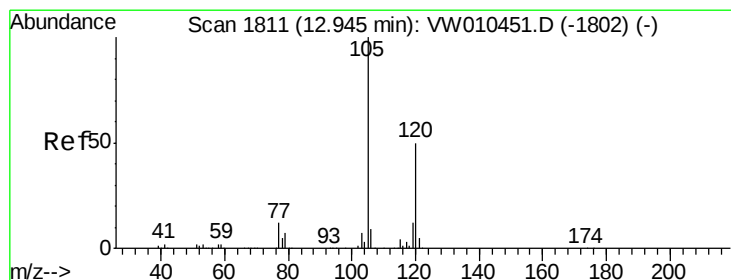
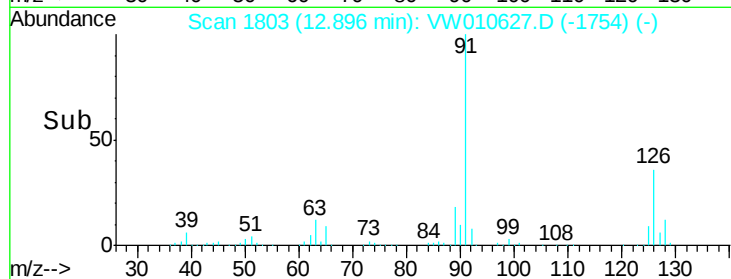
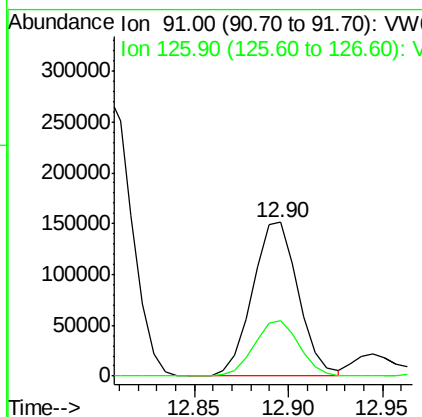
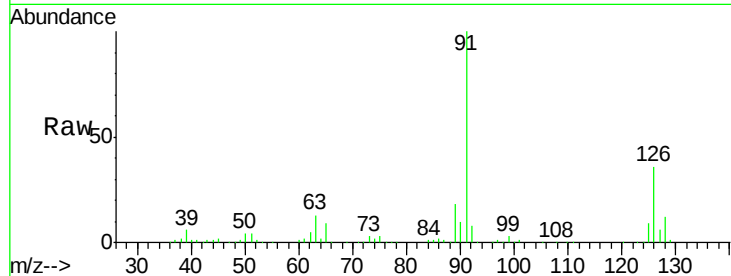
#79
 2-Chlorotoluene
 Concen: 51.767 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 254103
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.4 52.3

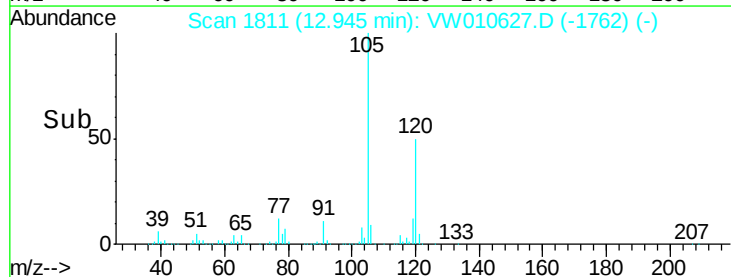
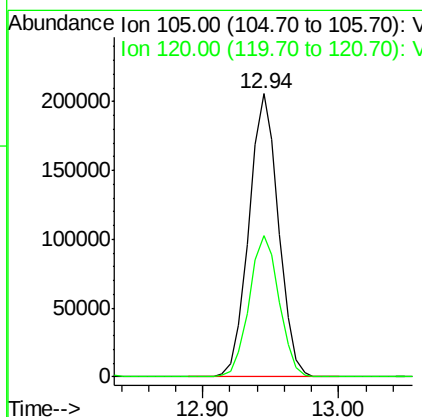
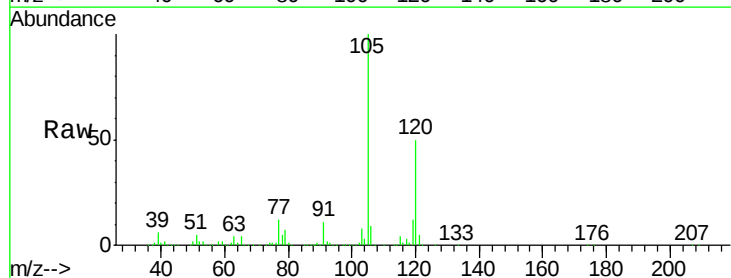
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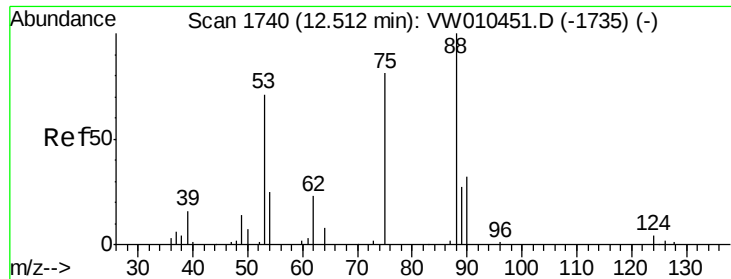
MMDadoda
 6/1/2019 4:27:17 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.782 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Tgt Ion:105 Resp: 312381
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.2 75.6





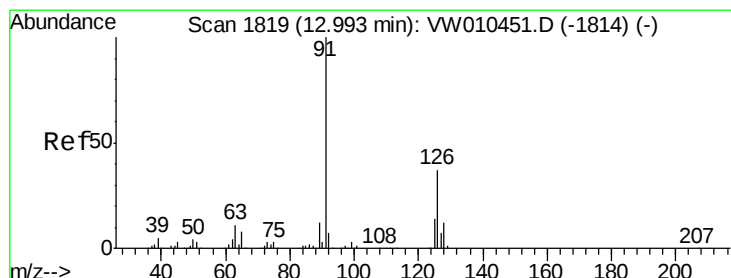
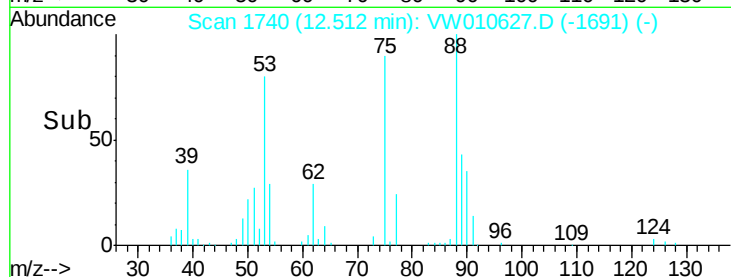
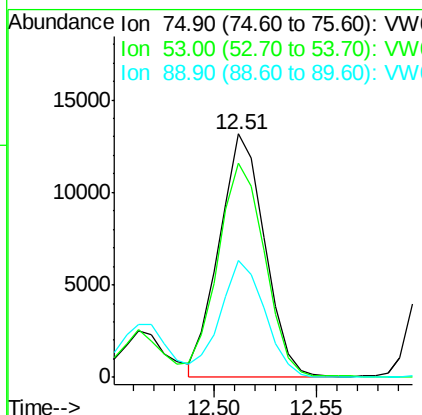
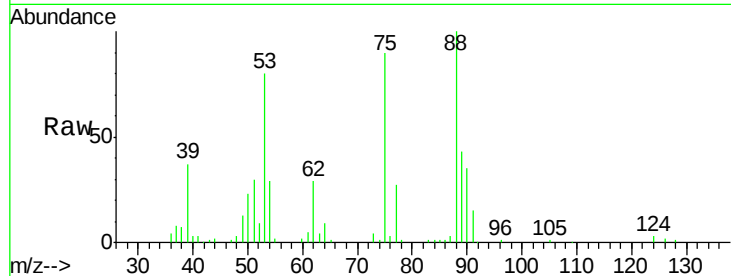
#81
trans-1,4-Dichloro-2-butene
Concen: 45.821 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.6	69.8	104.8
89	47.1	39.5	59.3

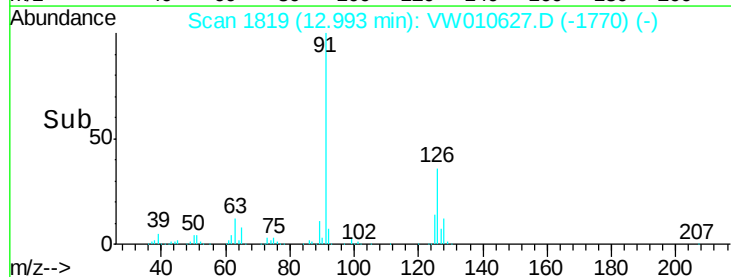
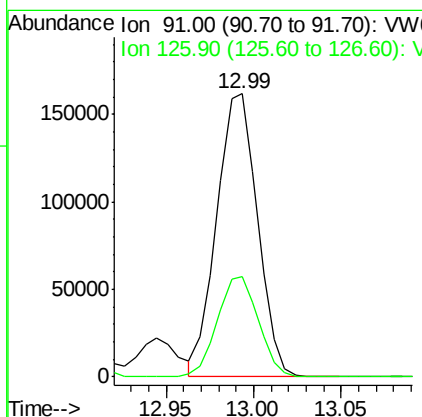
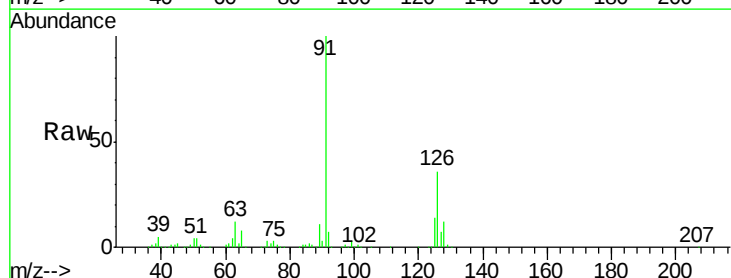
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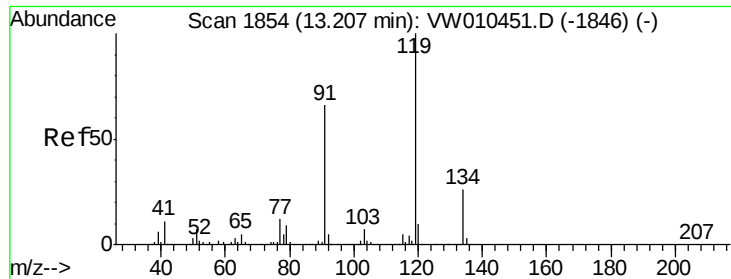
MMDadoda
6/1/2019 4:27:17 AM



#82
4-Chlorotoluene
Concen: 51.455 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.5	52.6





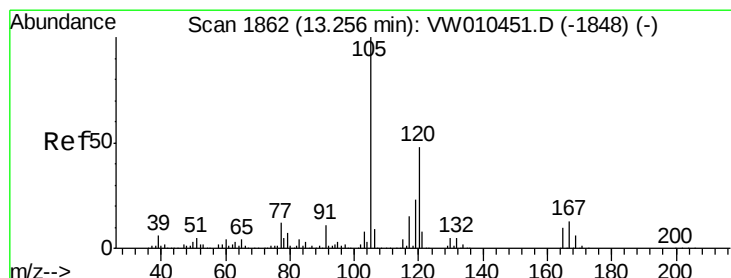
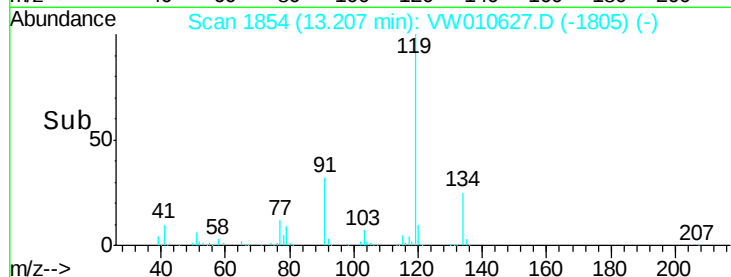
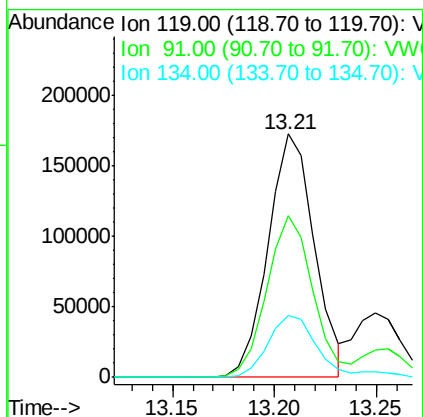
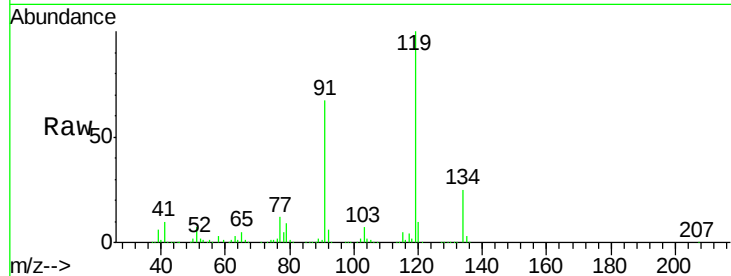
#83
tert-Butylbenzene
Concen: 50.782 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	272865		
91	66.5		33.1	99.5
134	27.9		13.9	41.6

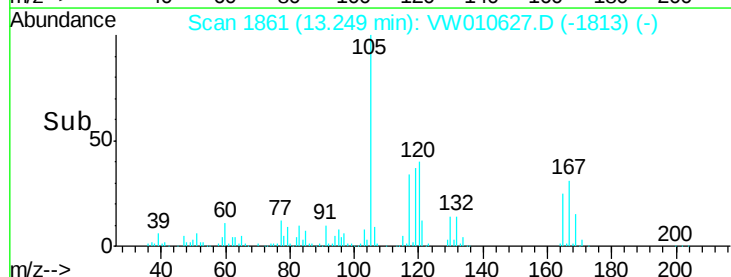
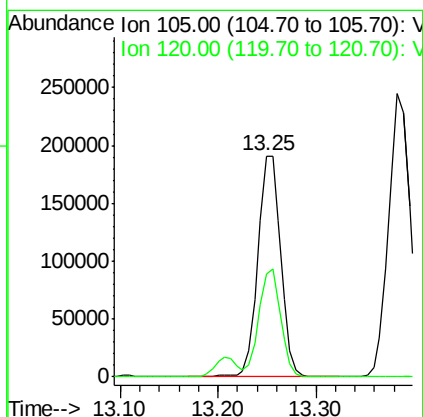
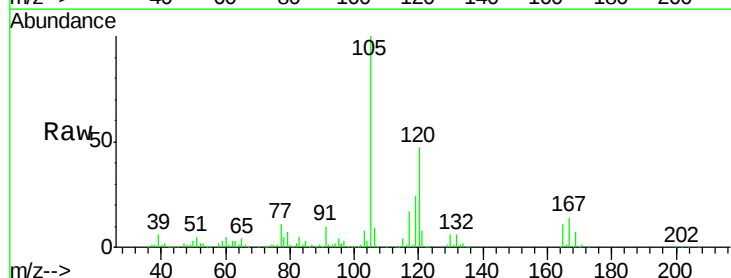
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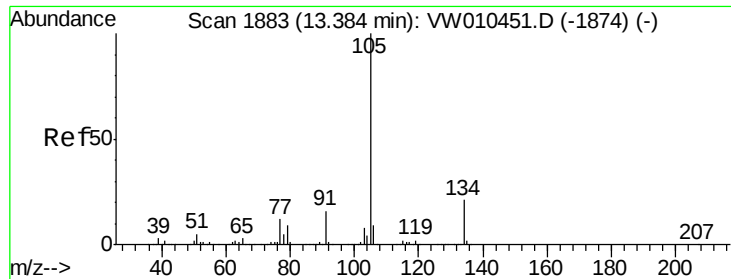
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#84
1,2,4-Trimethylbenzene
Concen: 50.779 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	311104		
120	47.0		23.4	70.2





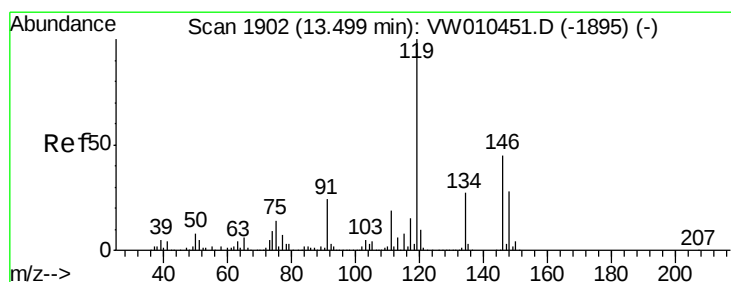
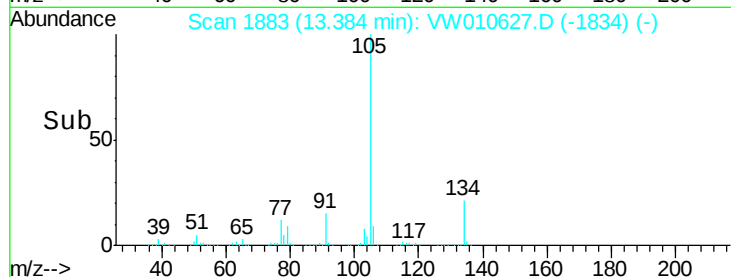
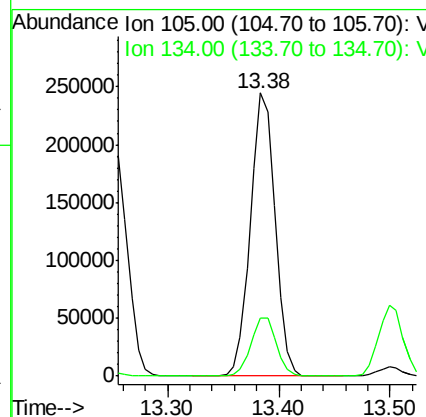
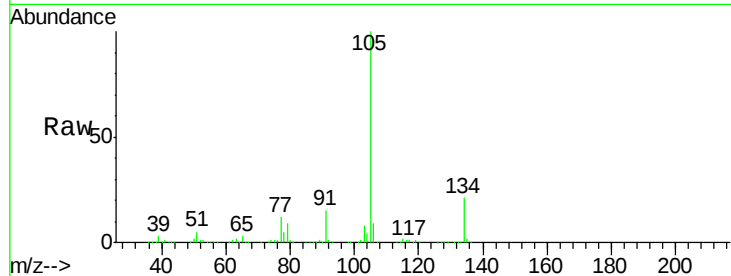
#85
 sec-Butylbenzene
 Concen: 50.258 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.5	31.6

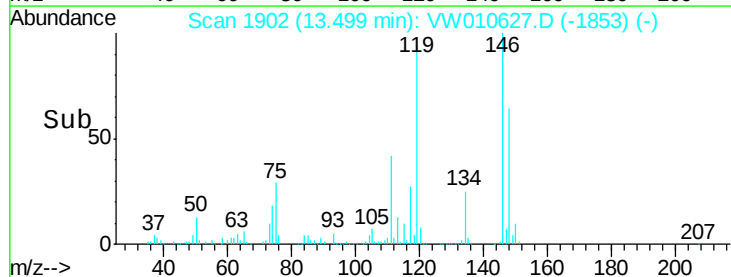
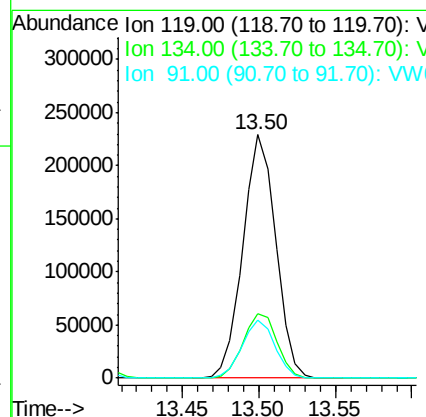
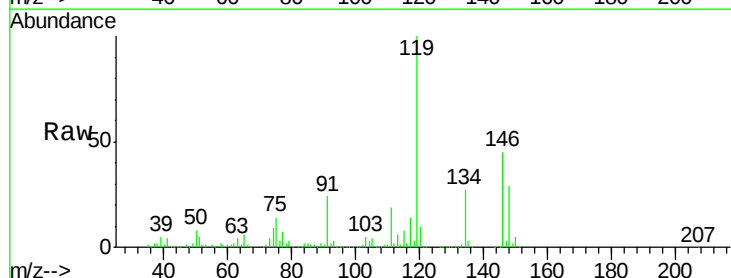
Manual Integrations
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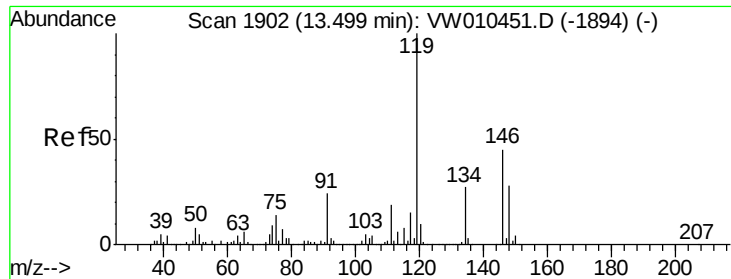
MMDadoda
 6/1/2019 4:27:17 AM



#86
 p-Isopropyltoluene
 Concen: 50.222 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.6	40.7
91	23.7	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 53.861 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

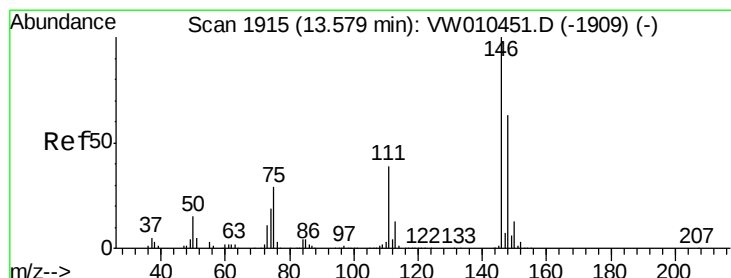
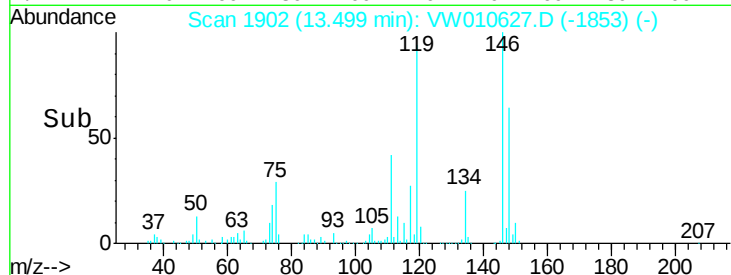
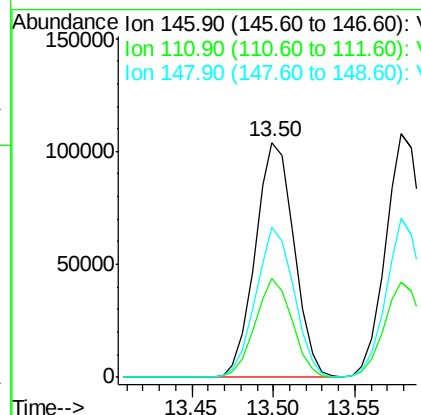
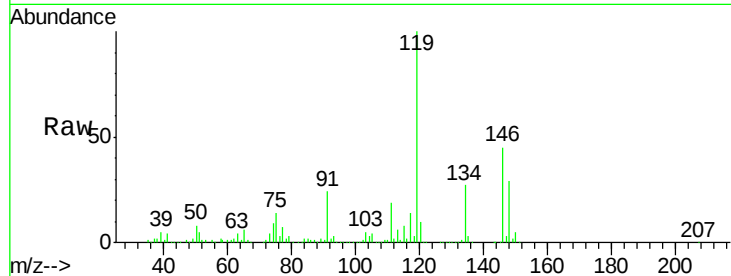
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	171753
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	60.9
148	62.9	31.6	94.8

Manual Integrations
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6/1/2019 4:27:17 AM



#88

1,4-Dichlorobenzene

Concen: 54.094 ug/l

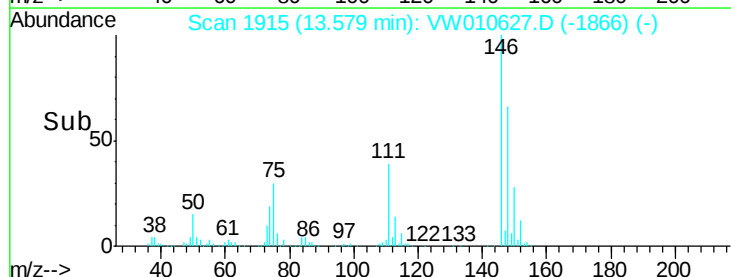
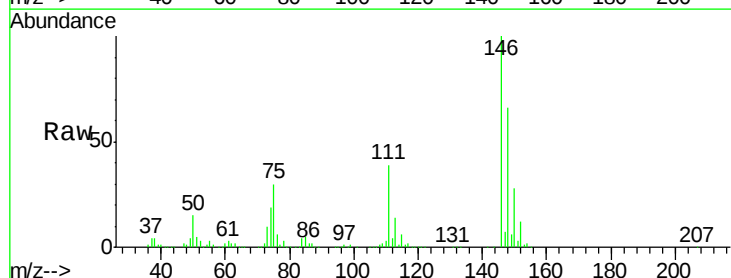
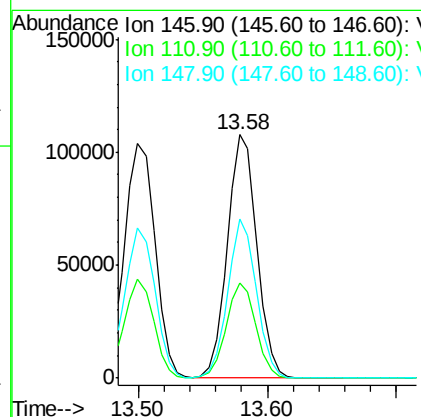
RT: 13.58 min Scan# 1915

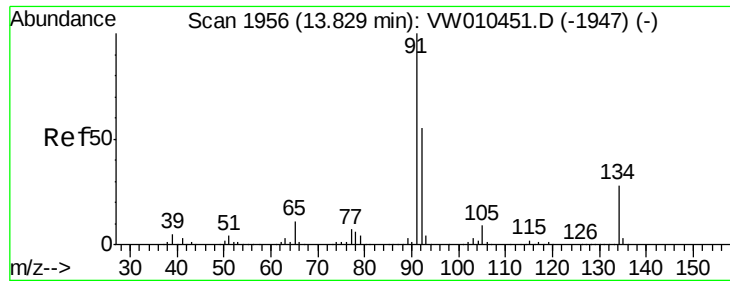
Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:	146	Resp:	173069
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.9	59.6
148	63.5	31.6	94.8





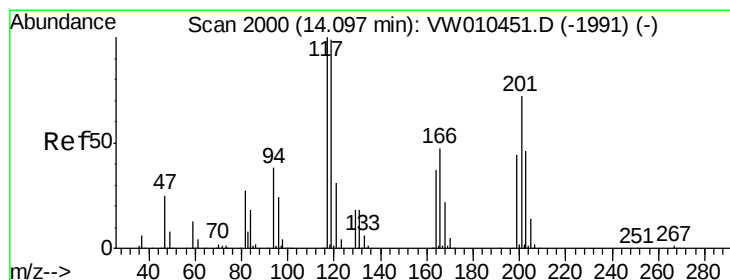
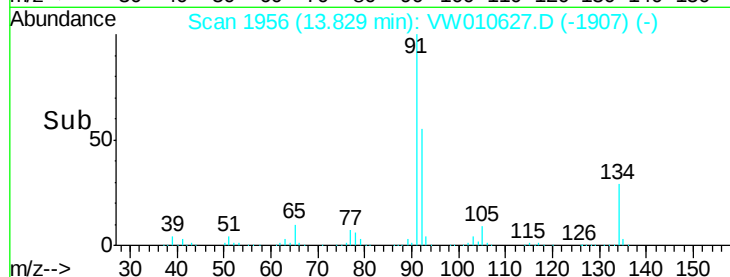
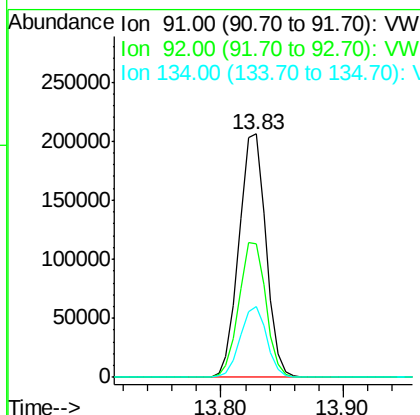
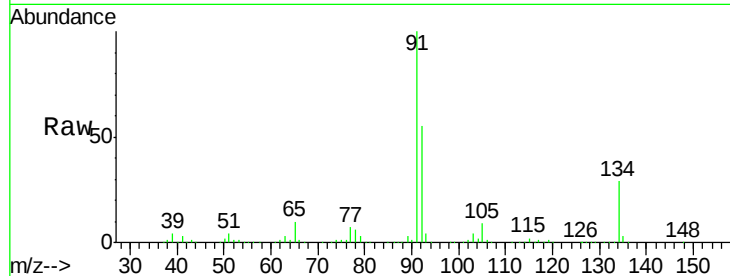
#89
n-Butylbenzene
Concen: 48.542 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	27.7	83.1
134	28.7	13.9	41.6

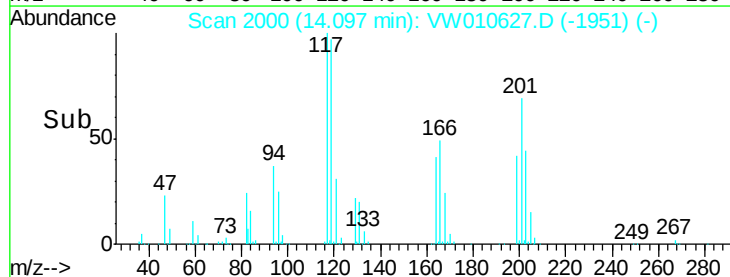
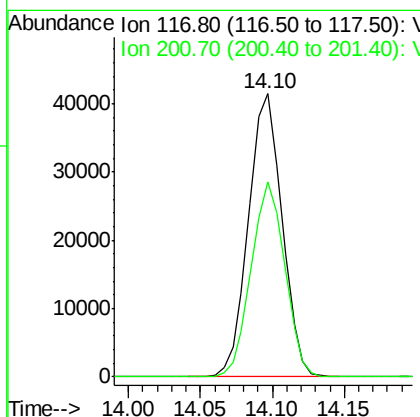
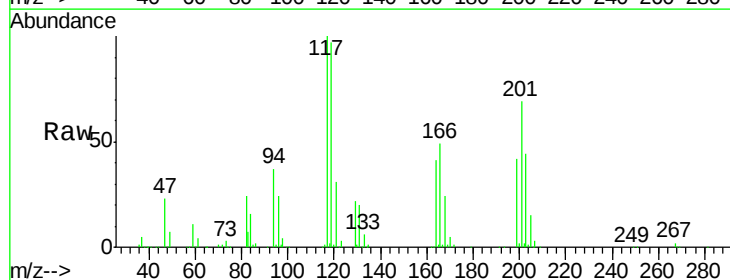
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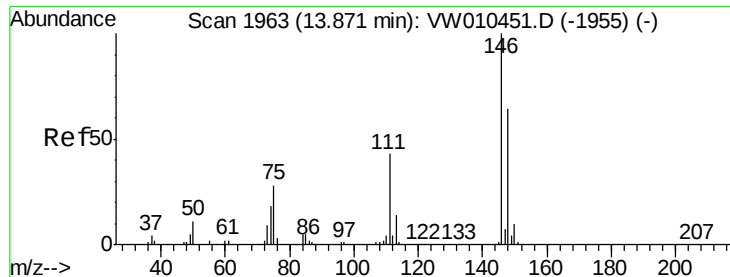
MMDadoda
6/1/2019 4:27:17 AM



#90
Hexachloroethane
Concen: 50.714 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010627.D
Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.6	103.8





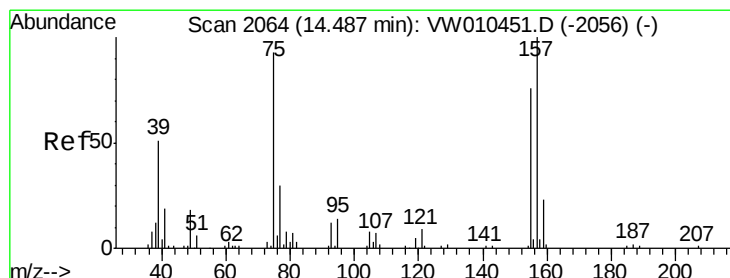
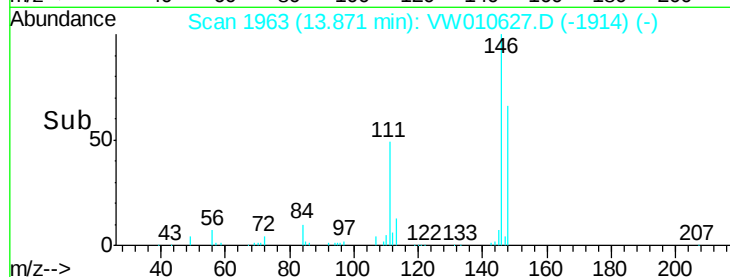
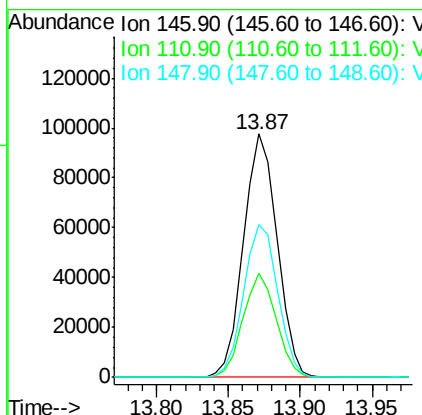
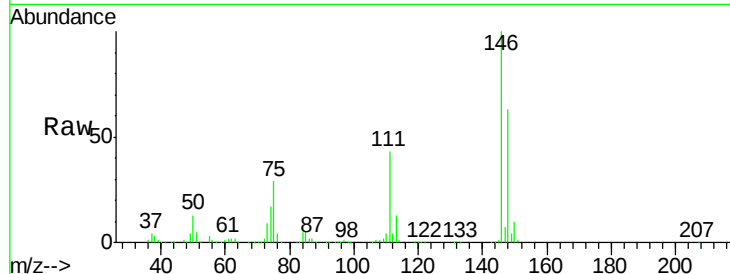
#91
 1,2-Dichlorobenzene
 Concen: 54.196 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.6	32.0	96.0

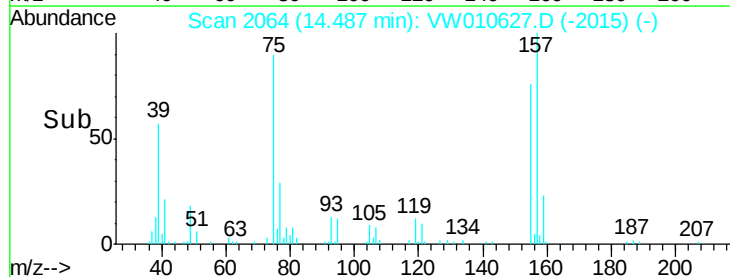
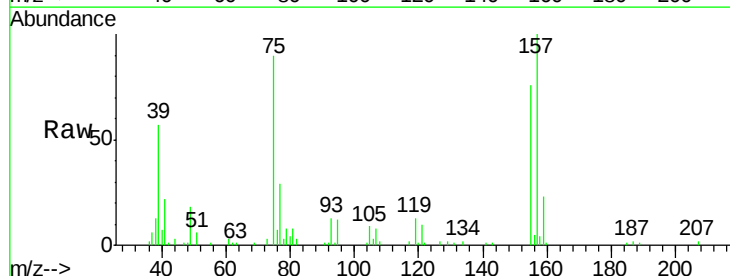
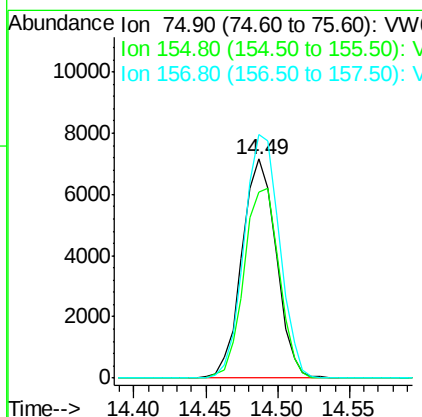
Manual Integrations
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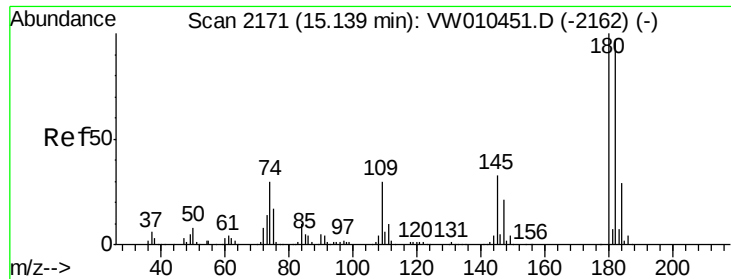
MMDadoda
 6/1/2019 4:27:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.314 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	43.0	129.0
157	113.9	55.7	167.1





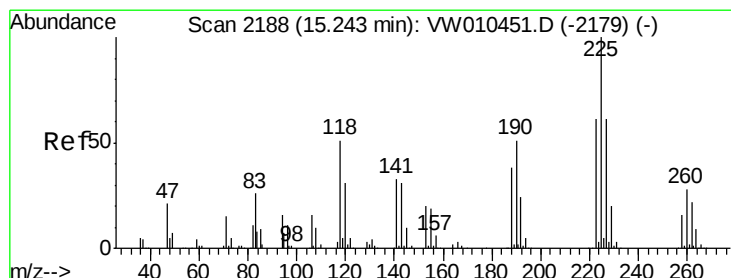
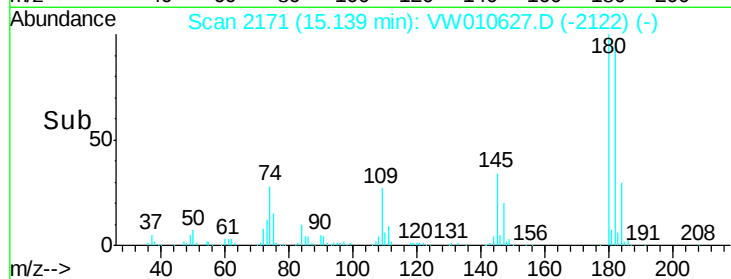
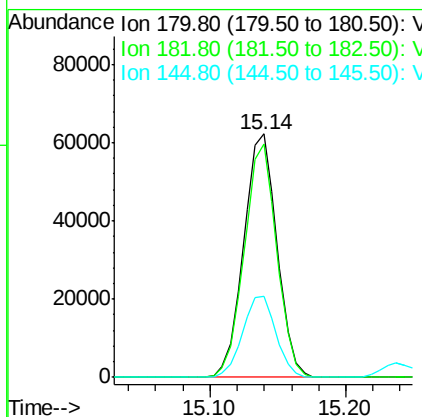
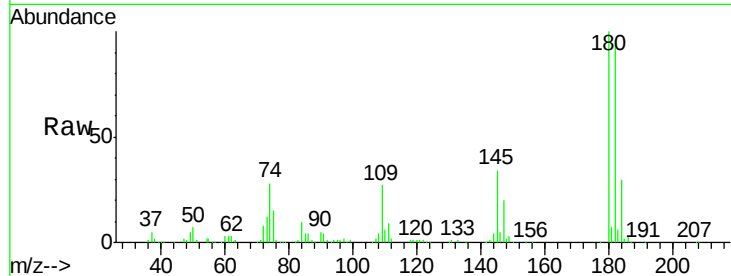
#93
 1,2,4-Trichlorobenzene
 Concen: 53.748 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106253		
182	94.1	47.0	141.2	
145	33.5	16.7	50.0	

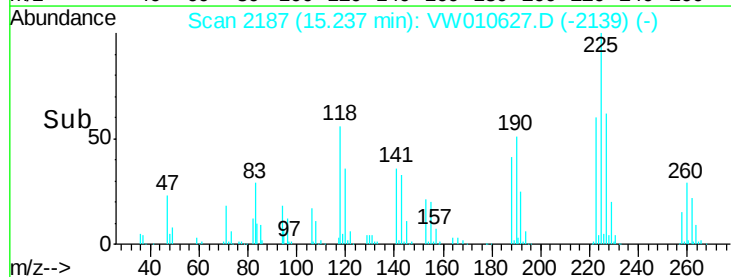
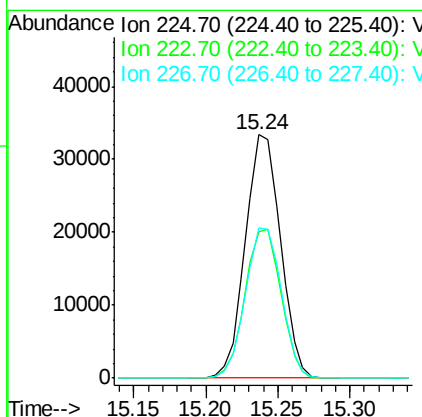
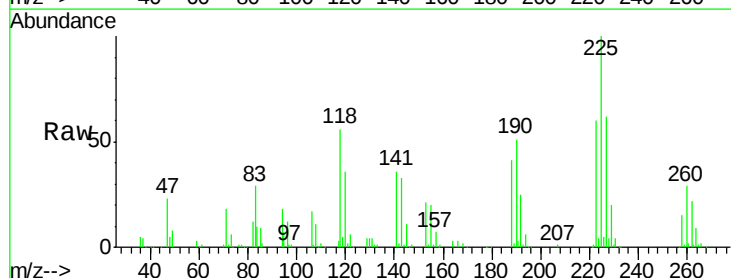
Manual Integrations
 APPROVED

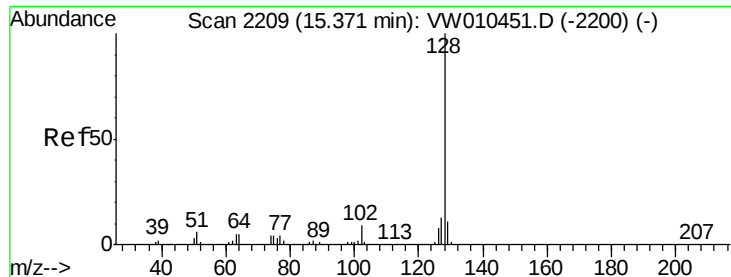
MMDadoda
 6/1/2019 4:27:17 AM



#94
 Hexachlorobutadiene
 Concen: 53.414 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010627.D
 Acq: 30 May 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56410		
223	62.6	31.1	93.2	
227	63.2	31.1	93.5	





#95

Naphthalene

Concen: 52.391 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Instrument :

MSVOA_W

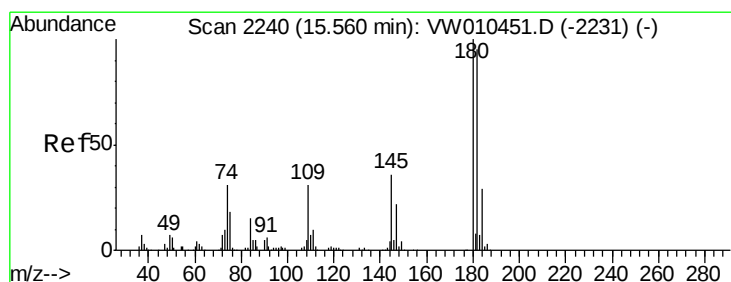
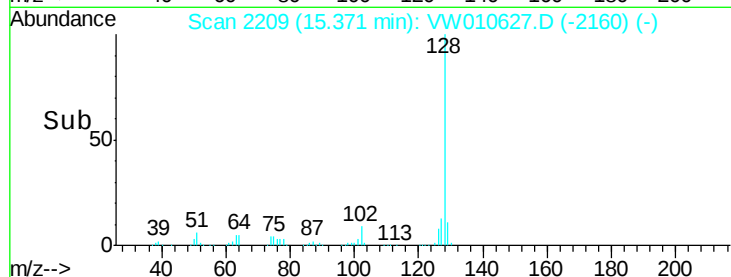
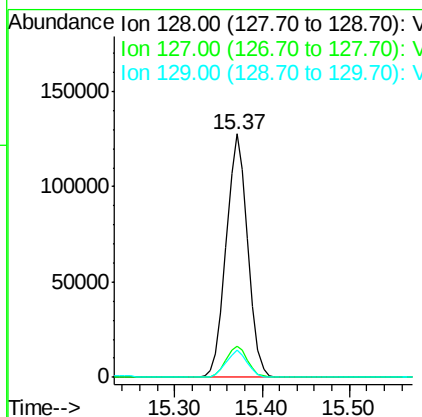
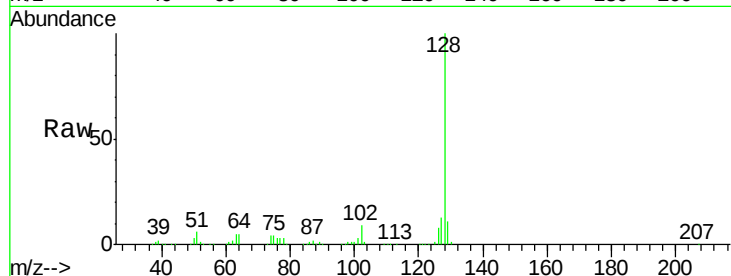
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	217411
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/1/2019 4:27:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.226 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010627.D

Acq: 30 May 2019 21:00

Tgt Ion:	180	Resp:	92241
Ion Ratio	Lower	Upper	
180	100		
182	93.3	47.1	141.3
145	35.5	17.4	52.3

