

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010866.D
 Acq On : 20 Jun 2019 00:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 12:00:22 PM

Quant Time: Jun 20 07:03:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143023	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	7.88	113	110318	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.32	98	444660	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.62	95	167696	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	90378	43.032	ug/l	98
3) Chloromethane	2.21	50	148289	47.990	ug/l	99
4) Vinyl Chloride	2.35	62	130322	45.649	ug/l	96
5) Bromomethane	2.75	94	75148	47.934	ug/l	99
6) Chloroethane	2.90	64	83033	48.454	ug/l	98
7) Trichlorofluoromethane	3.25	101	185726	50.116	ug/l	100
8) Diethyl Ether	3.68	74	73127	55.216	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114222	50.132	ug/l	99
10) Methyl Iodide	4.27	142	109308	46.901	ug/l	99
11) Tert butyl alcohol	5.17	59	78824	361.187	ug/l	97
12) 1,1-Dichloroethene	4.03	96	110712	50.372	ug/l	98
13) Acrolein	3.89	56	22598	253.403	ug/l	100
14) Allyl chloride	4.67	41	268729	55.451	ug/l	99
15) Acrylonitrile	5.37	53	190899	296.702	ug/l	100
16) Acetone	4.12	43	201657	280.946	ug/l	99
17) Carbon Disulfide	4.37	76	324578	46.521	ug/l	99
18) Methyl Acetate	4.67	43	107533	69.596	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	362356	57.163	ug/l	98
20) Methylene Chloride	4.92	84	130739	51.921	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	131907	52.867	ug/l	97
22) Diisopropyl ether	6.31	45	565405	58.276	ug/l	99
23) Vinyl Acetate	6.26	43	1624096	277.375	ug/l	100
24) 1,1-Dichloroethane	6.21	63	272217	55.987	ug/l	99
25) 2-Butanone	7.17	43	302419	303.847	ug/l	96
26) 2,2-Dichloropropane	7.16	77	197114	49.820	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	151187	55.061	ug/l	98
28) Bromochloromethane	7.51	49	128196	59.080	ug/l	96
29) Tetrahydrofuran	7.53	42	186794	298.375	ug/l	99
30) Chloroform	7.68	83	251019	56.443	ug/l	98
31) Cyclohexane	7.95	56	254096	47.012	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	210778	54.256	ug/l	99
36) 1,1-Dichloropropene	8.08	75	199062	51.131	ug/l	100
37) Ethyl Acetate	7.25	43	128195	59.422	ug/l	98
38) Carbon Tetrachloride	8.07	117	176315	52.463	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	232668	47.013	ug/l	98
40) Benzene	8.32	78	567396	53.424	ug/l	100
41) Methacrylonitrile	7.48	41	86842	67.722	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	191313	56.756	ug/l	99
43) Isopropyl Acetate	8.43	43	246912	59.242	ug/l	99
44) Trichloroethene	9.09	130	137321	52.415	ug/l	98
45) 1,2-Dichloropropane	9.37	63	157146	55.895	ug/l	100
46) Dibromomethane	9.46	93	73076	55.961	ug/l	98
47) Bromodichloromethane	9.65	83	191435	56.554	ug/l	97
48) Methyl methacrylate	9.43	41	119887	59.659	ug/l	97
49) 1,4-Dioxane	9.45	88	24276	1189.053	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	645699	303.253	ug/l	99
52) Toluene	10.39	92	347393	53.161	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	197999	55.225	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	228822	54.237	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	105087	55.862	ug/l	99
56) Ethyl methacrylate	10.65	69	167449	57.847	ug/l	97
57) 1,3-Dichloropropane	10.93	76	200625	56.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	444592	293.235	ug/l	98
59) 2-Hexanone	10.97	43	455358	295.907	ug/l	99
60) Dibromochloromethane	11.13	129	117970	56.570	ug/l	100
61) 1,2-Dibromoethane	11.24	107	100515	56.394	ug/l	99
64) Tetrachloroethene	10.86	164	136772	60.150	ug/l	97
65) Chlorobenzene	11.66	112	356463	52.930	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	127742	54.794	ug/l	100
67) Ethyl Benzene	11.73	91	675441	52.186	ug/l	100
68) m/p-Xylenes	11.84	106	488884	105.517	ug/l	99
69) o-Xylene	12.16	106	232408	52.889	ug/l	97
70) Styrene	12.18	104	410425	53.767	ug/l	99
71) Bromoform	12.35	173	66487	55.144	ug/l #	99
73) Isopropylbenzene	12.46	105	631670	49.943	ug/l	100
74) N-amyl acetate	12.27	43	233837	57.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	129507	53.787	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	95686m	54.137	ug/l	
77) Bromobenzene	12.75	156	143289	51.901	ug/l	97
78) n-propylbenzene	12.80	91	770766	50.540	ug/l	100
79) 2-Chlorotoluene	12.90	91	451514	51.821	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	531684	51.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39024	50.745	ug/l	95
82) 4-Chlorotoluene	12.99	91	470182	52.293	ug/l	99
83) tert-Butylbenzene	13.21	119	437848	49.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	537332	51.580	ug/l	98
85) sec-Butylbenzene	13.38	105	630888	49.319	ug/l	100
86) p-Isopropyltoluene	13.50	119	568269	49.677	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	276199	51.878	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	274628	52.031	ug/l	99
89) n-Butylbenzene	13.83	91	565372	49.536	ug/l	100
90) Hexachloroethane	14.10	117	105326	51.414	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	249739	52.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23681	57.274	ug/l	97

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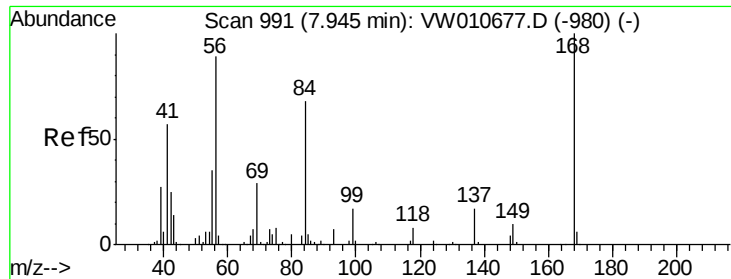
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	177040	52.692	ug/l	99
94) Hexachlorobutadiene	15.24	225	102301	48.513	ug/l	100
95) Naphthalene	15.37	128	350660	57.442	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	158899	55.609	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. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 227273

Ion Ratio Lower Upper

168 100

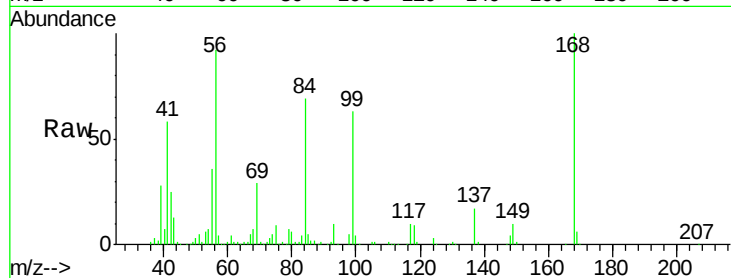
99 62.4 47.7 71.5

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

120000

100000

80000

60000

40000

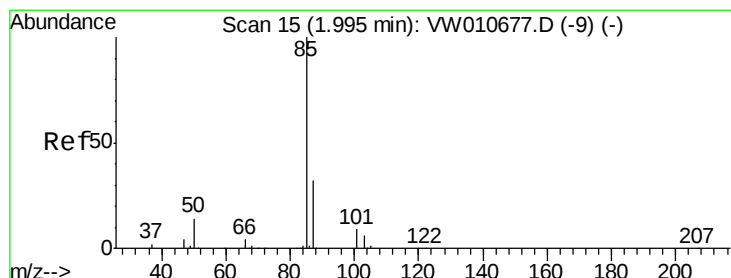
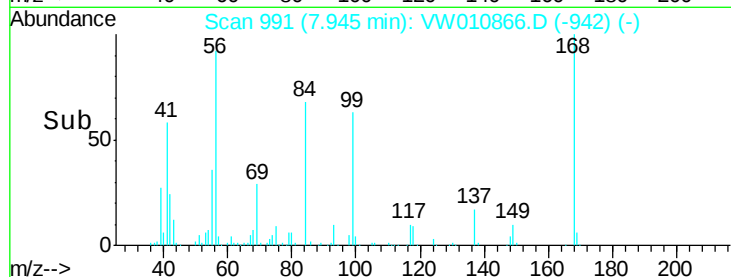
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 43.032 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010866.D

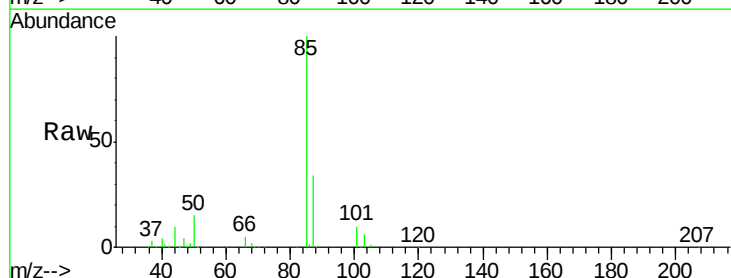
Acq: 20 Jun 2019 00:01

Tgt Ion: 85 Resp: 90378

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

50000

40000

30000

20000

10000

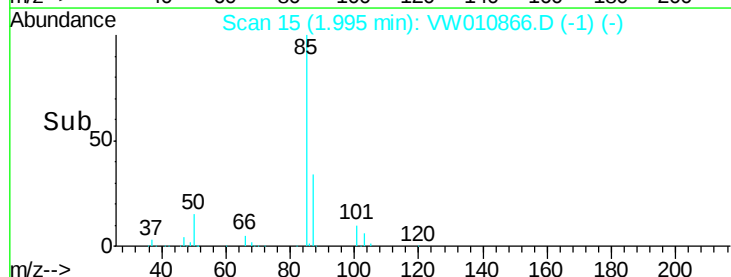
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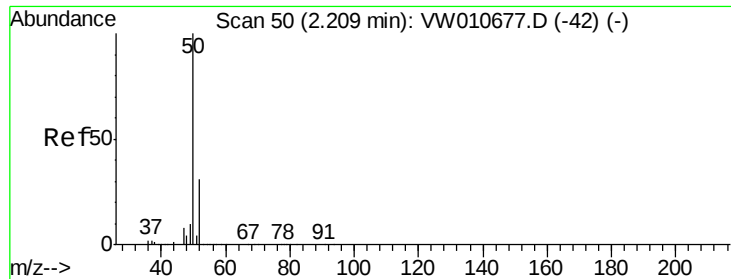
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 47.990 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 148289

Ion Ratio Lower Upper

50 100

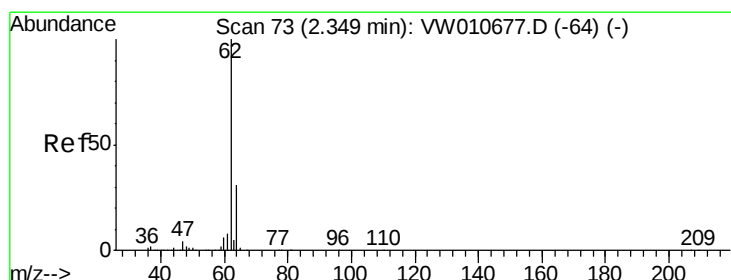
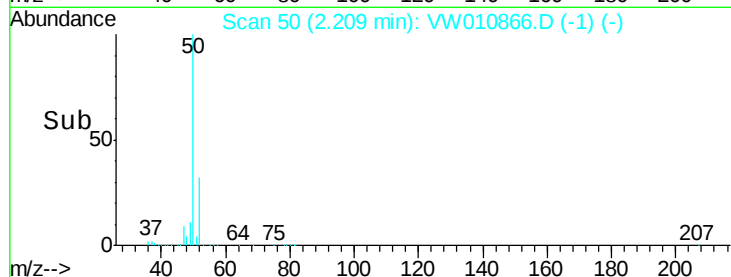
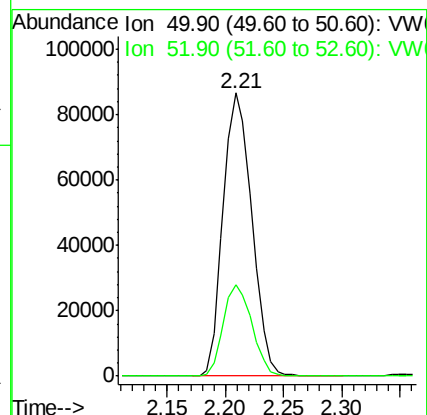
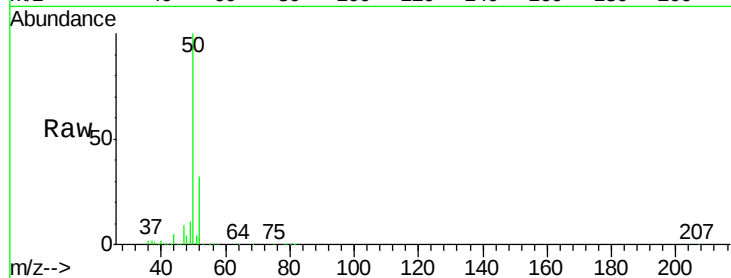
52 32.1 25.2 37.8

Manual Integrations

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6/20/2019 12:00:22 PM



#4

Vinyl Chloride

Concen: 45.649 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VW010866.D

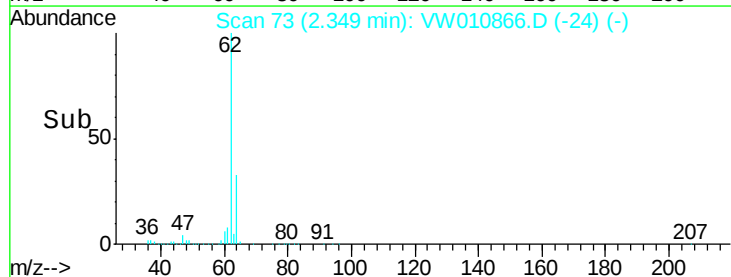
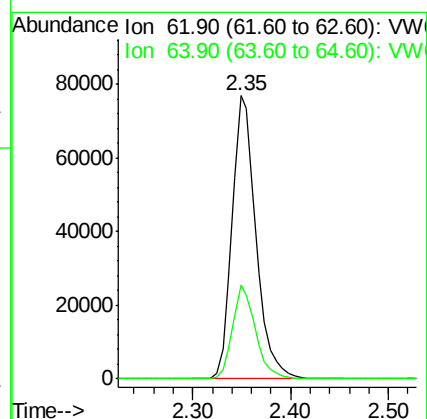
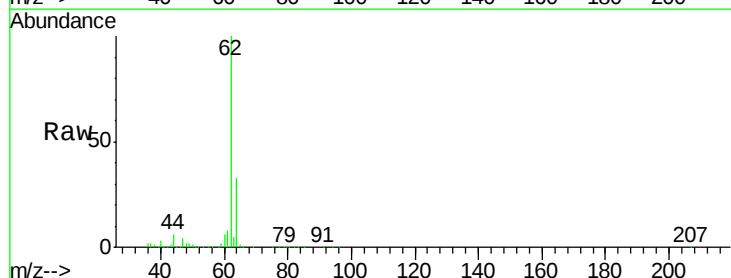
Acq: 20 Jun 2019 00:01

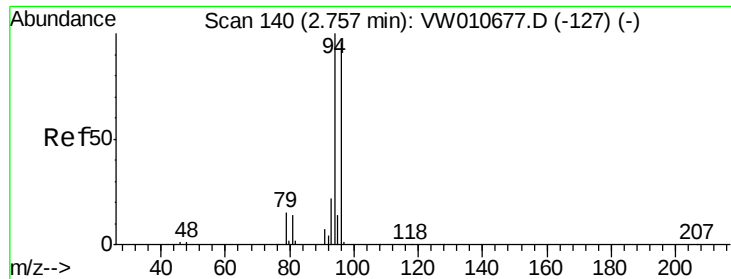
Tgt Ion: 62 Resp: 130322

Ion Ratio Lower Upper

62 100

64 33.0 24.5 36.7





#5

Bromomethane

Concen: 47.934 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 75148

Ion Ratio Lower Upper

94 100

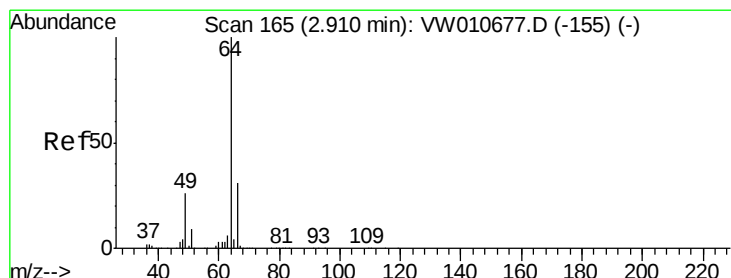
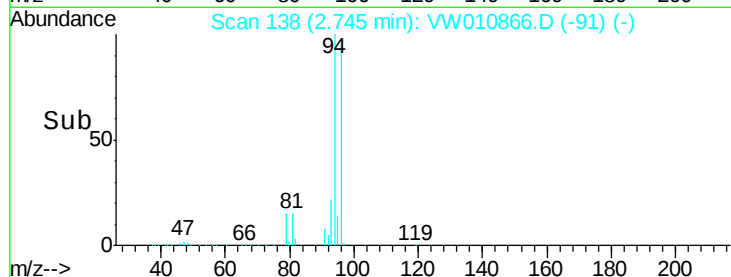
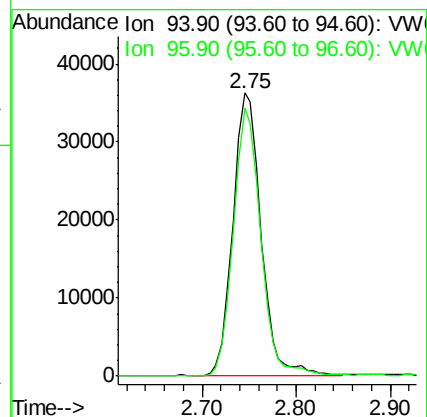
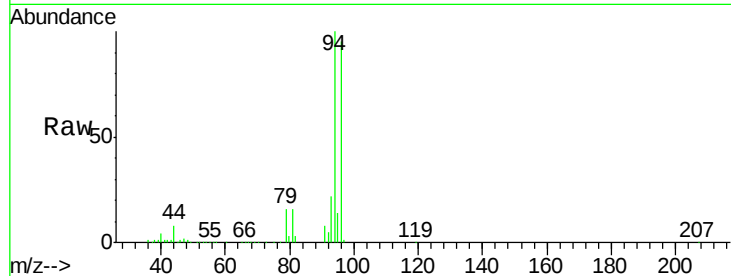
96 94.8 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 48.454 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010866.D

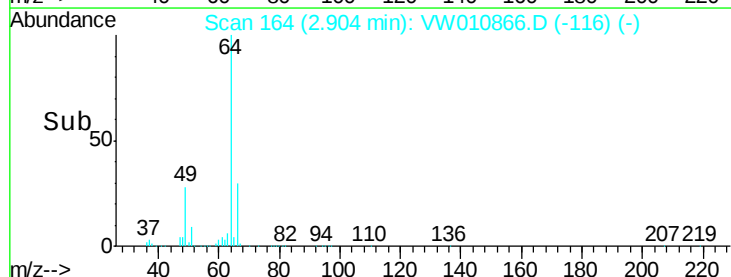
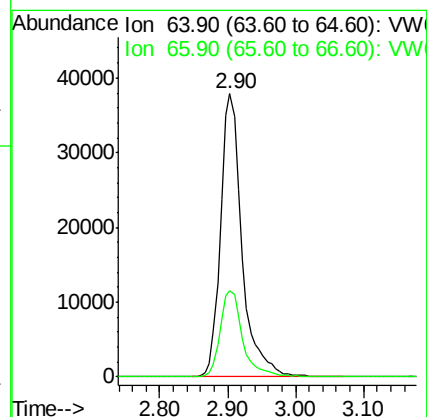
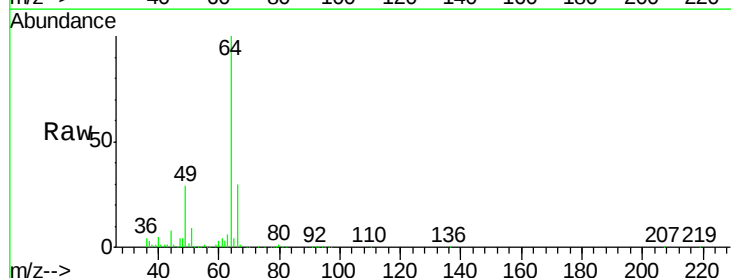
Acq: 20 Jun 2019 00:01

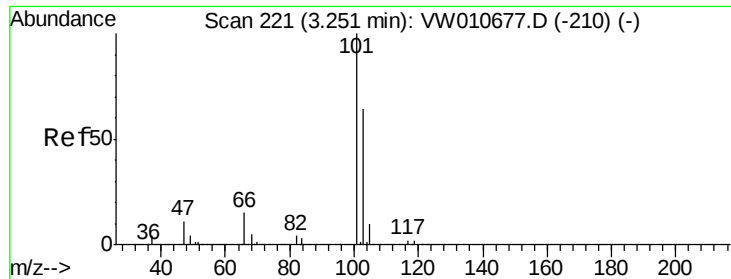
Tgt Ion: 64 Resp: 83033

Ion Ratio Lower Upper

64 100

66 30.2 25.1 37.7





#7

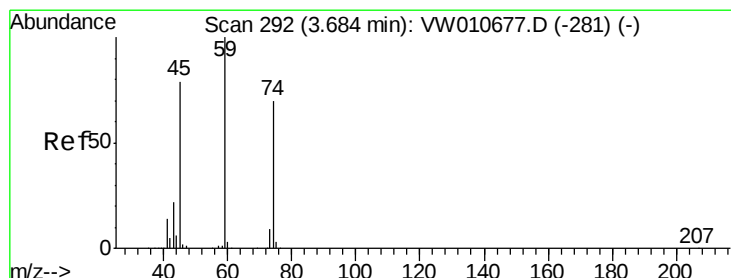
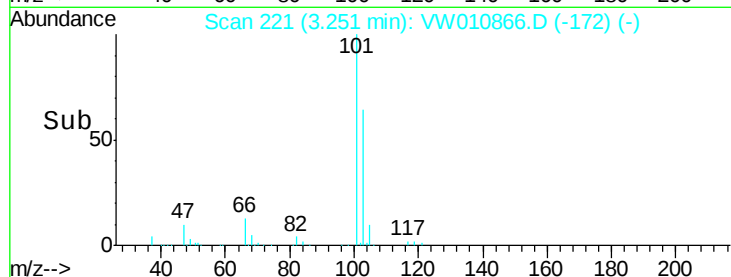
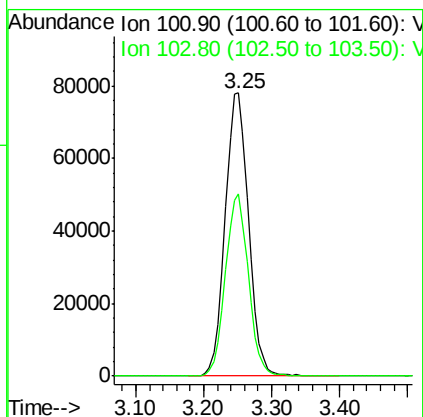
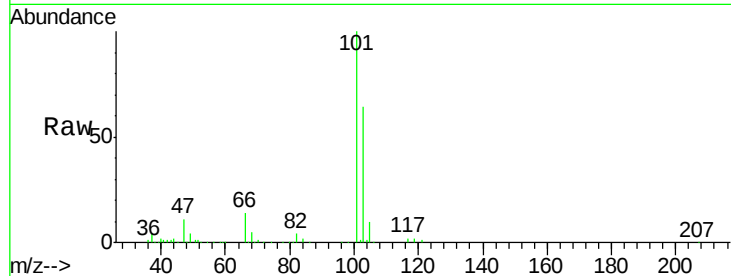
Trichlorofluoromethane
 Concen: 50.116 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	185726		
103	64.2	51.2	76.8	

Manual Integrations
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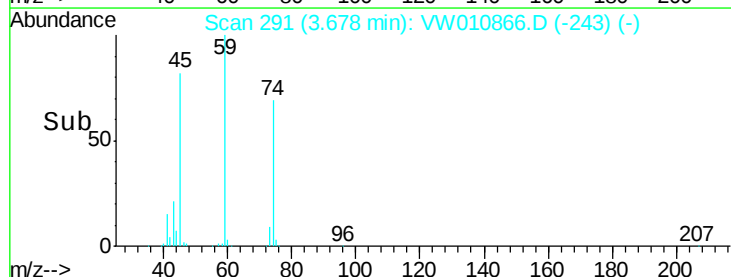
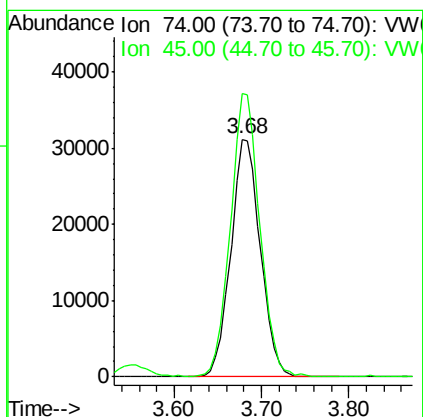
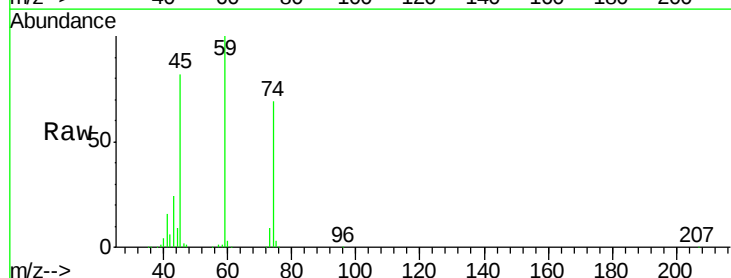
MMDadoda
 6/20/2019 12:00:22 PM

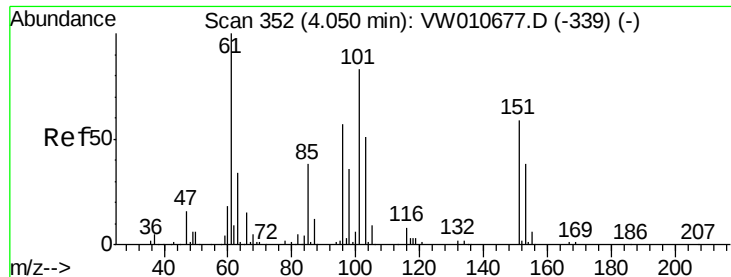


#8

Diethyl Ether
 Concen: 55.216 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	73127		
45	118.2	56.9	170.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.132 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

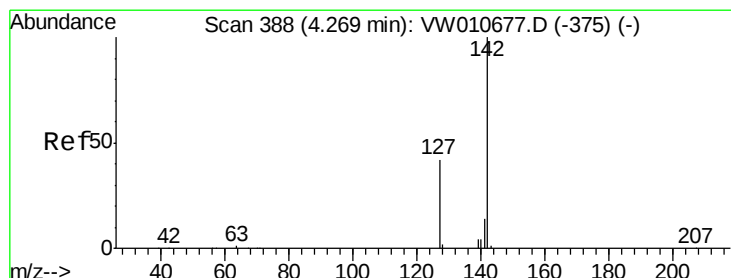
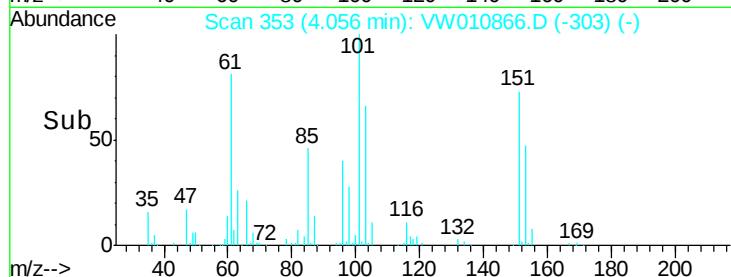
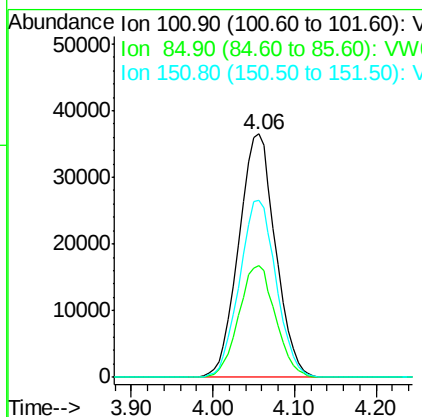
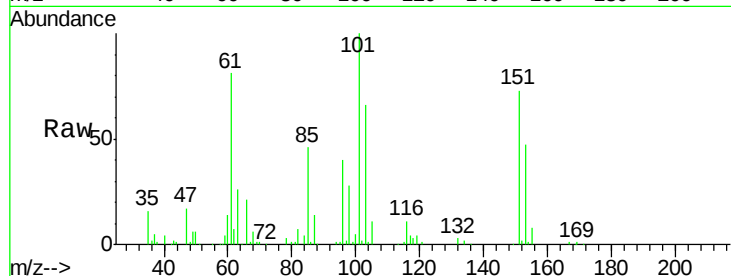
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	114222
Ion Ratio	Lower	Upper	
101	100		
85	45.9	35.8	53.8
151	72.7	58.1	87.1

Manual Integrations
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#10

Methyl Iodide

Concen: 46.901 ug/l

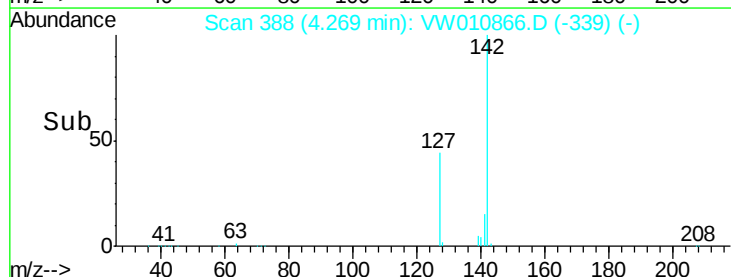
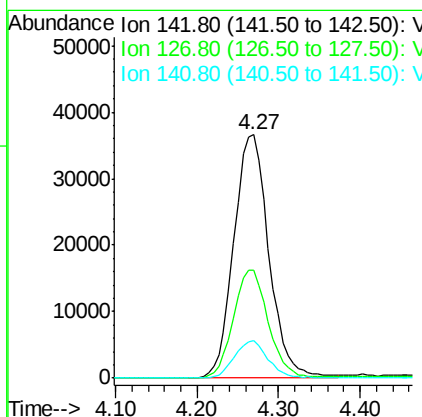
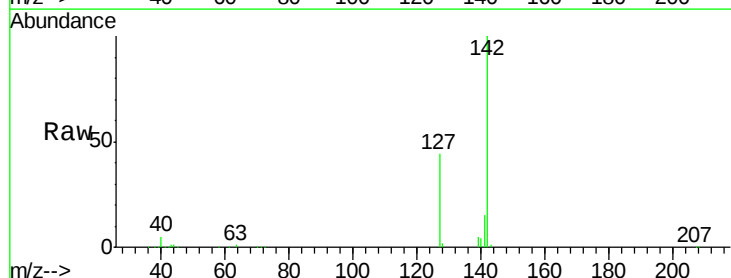
RT: 4.27 min Scan# 388

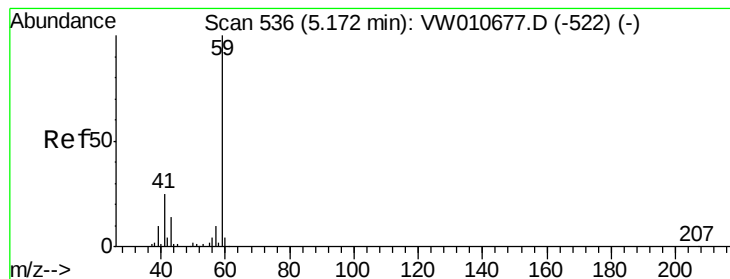
Delta R.T. 0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion:	142	Resp:	109308
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.6	51.8
141	14.7	11.6	17.4





#11

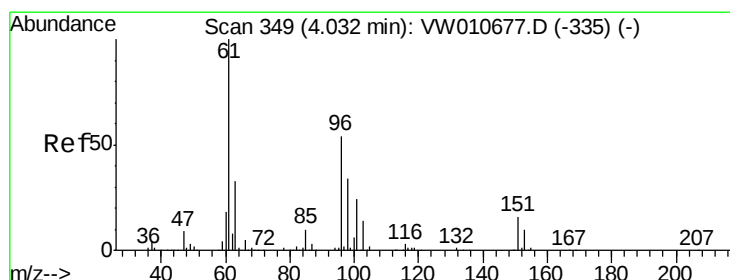
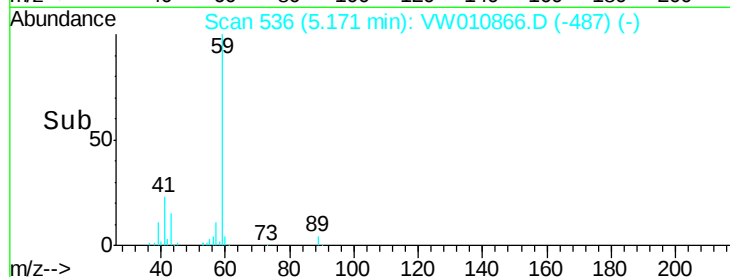
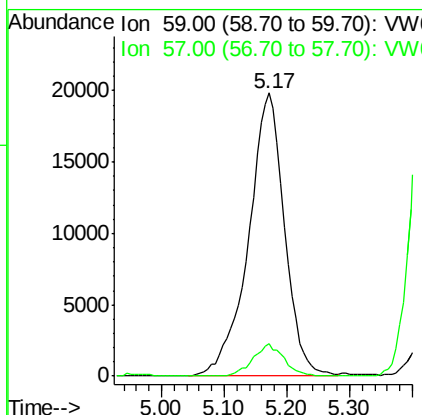
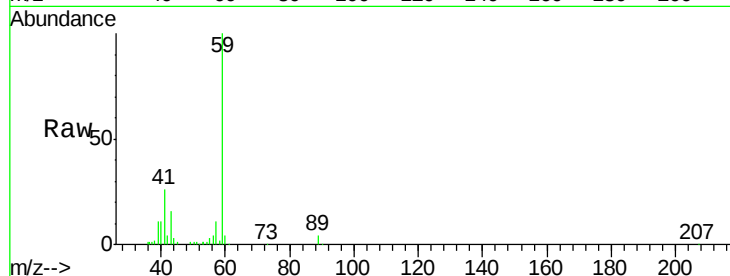
Tert butyl alcohol
Concen: 361.187 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	78824
Ion Ratio	100	Lower	Upper
57	9.7	8.6	12.8

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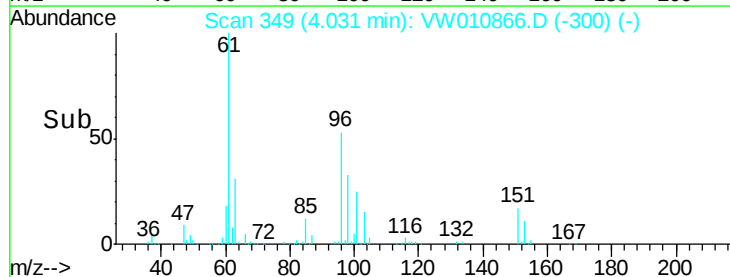
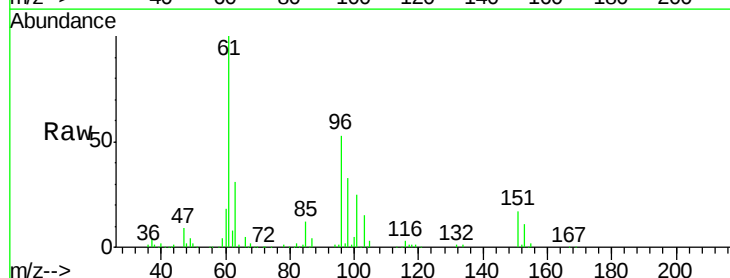
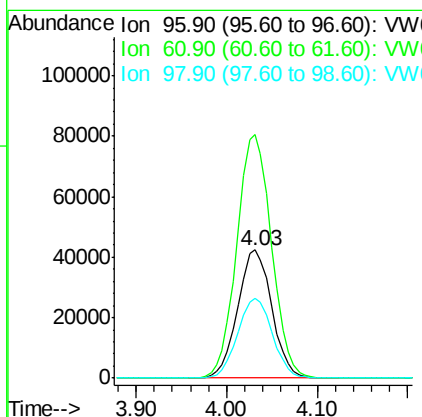
MMDadoda
6/20/2019 12:00:22 PM

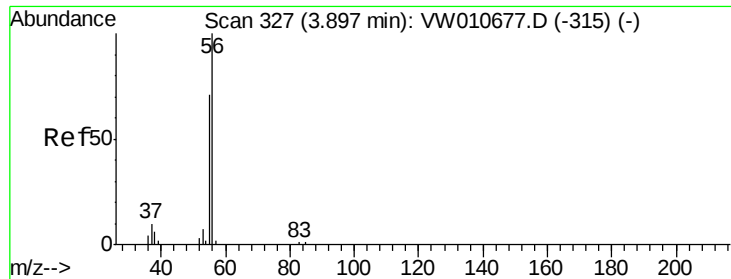


#12

1,1-Dichloroethene
Concen: 50.372 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	96	Resp	110712
Ion Ratio	100	Lower	Upper
61	189.6	149.1	223.7
98	62.3	51.1	76.7





#13

Acrolein

Concen: 253.403 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 22598

Ion Ratio Lower Upper

56 100

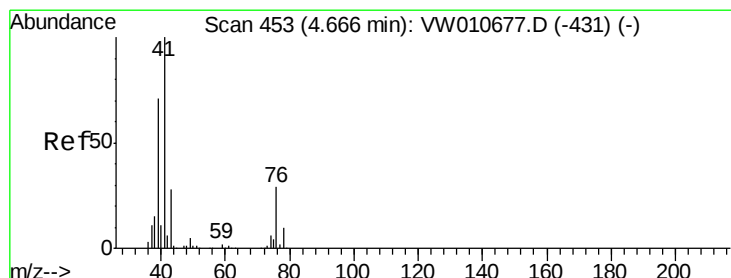
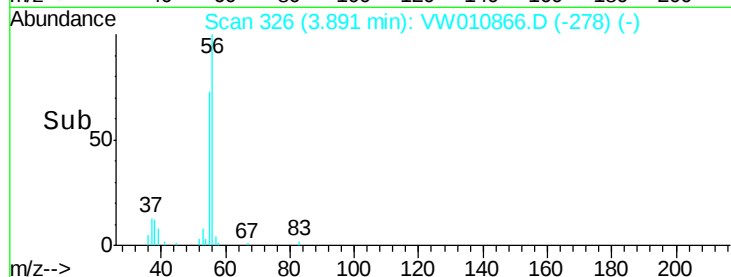
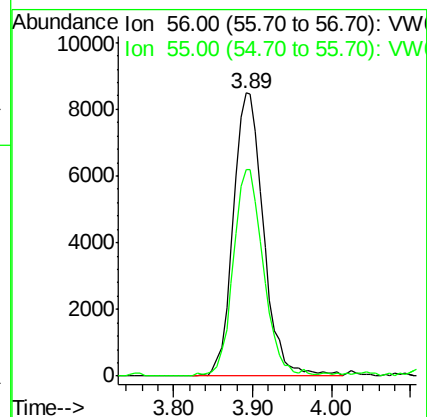
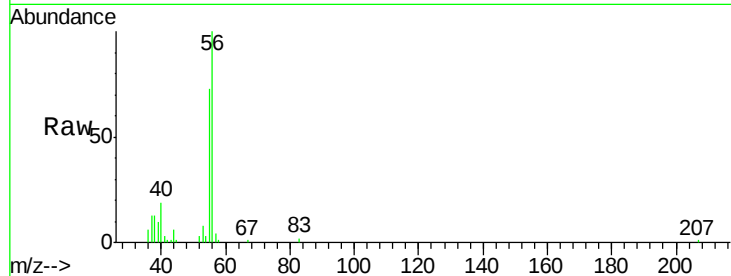
55 72.4 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 55.451 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

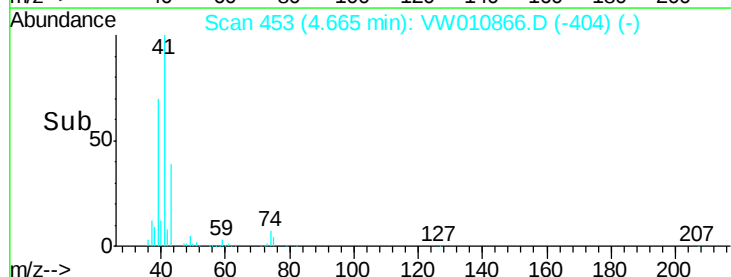
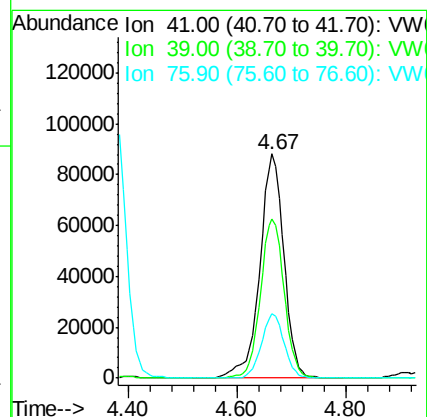
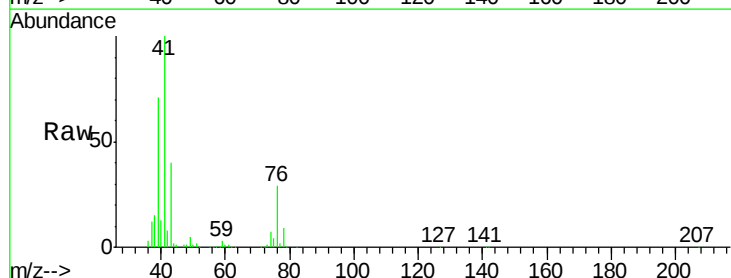
Tgt Ion: 41 Resp: 268729

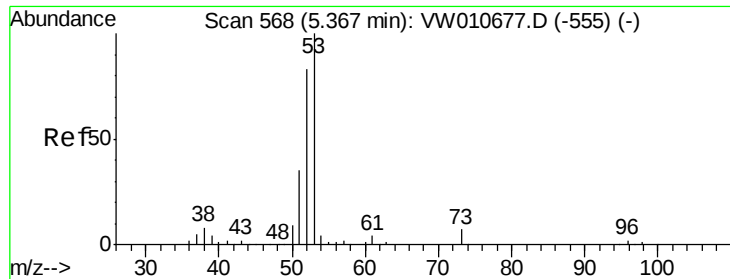
Ion Ratio Lower Upper

41 100

39 69.8 55.8 83.6

76 27.2 22.7 34.1





#15

Acrylonitrile

Concen: 296.702 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

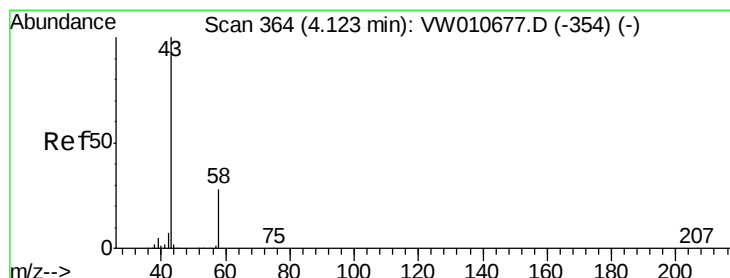
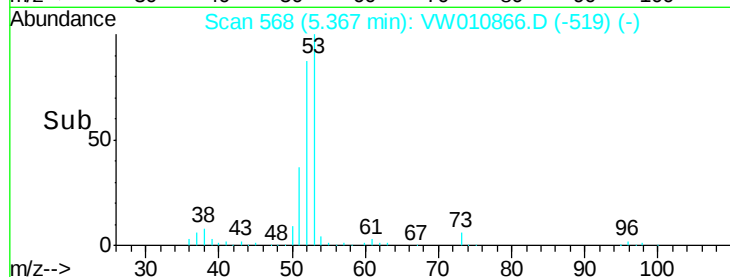
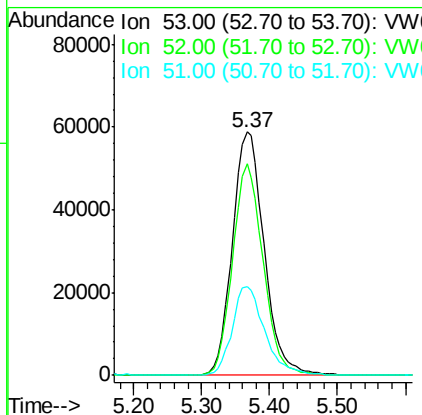
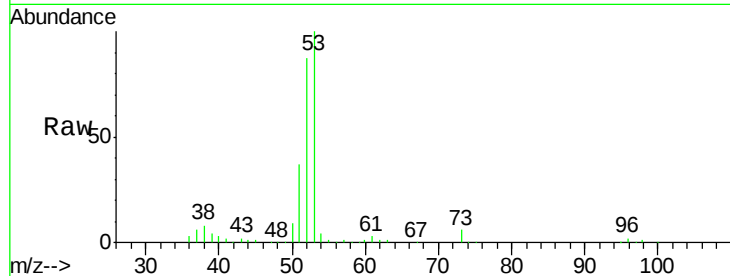
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	190899
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.6	100.0
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 280.946 ug/l

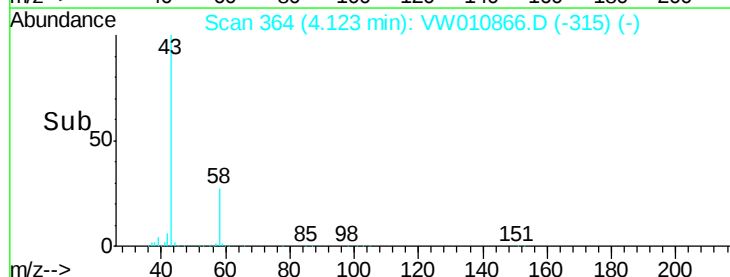
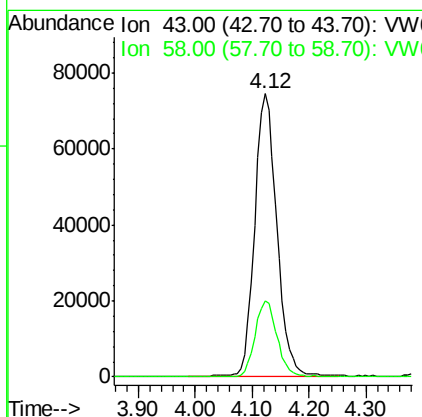
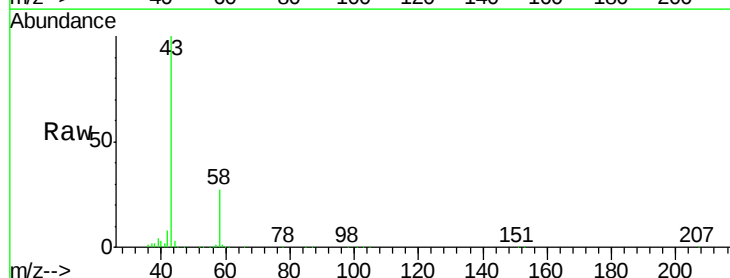
RT: 4.12 min Scan# 364

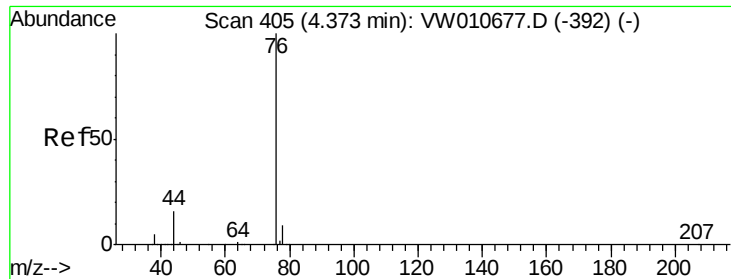
Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion:	43	Resp:	201657
Ion	Ratio	Lower	Upper
43	100		
58	26.9	22.1	33.1





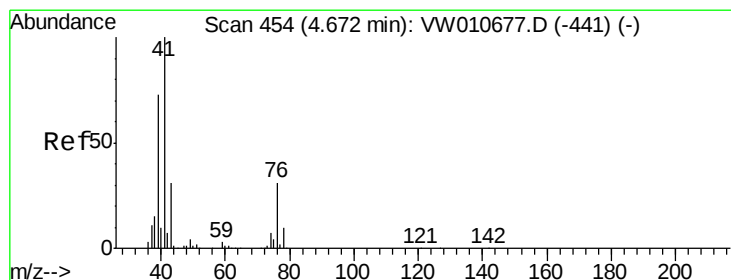
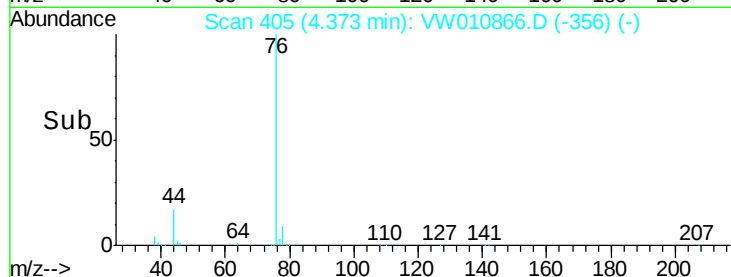
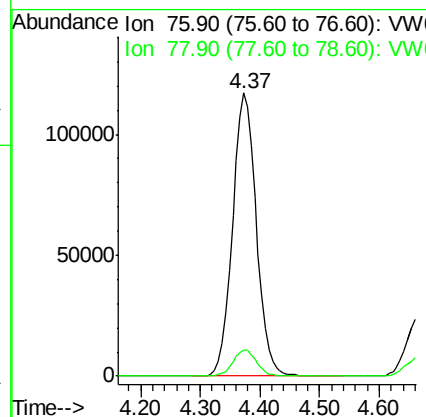
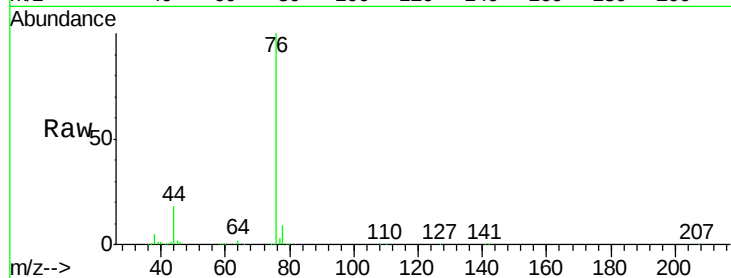
#17
Carbon Disulfide
Concen: 46.521 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

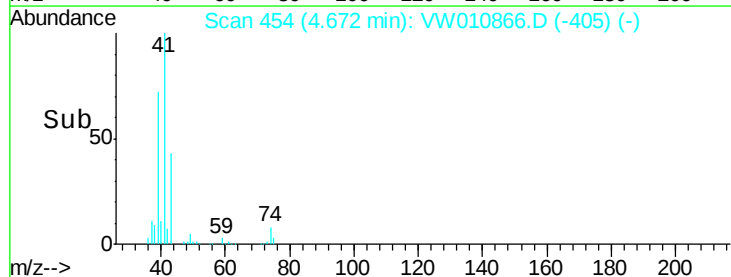
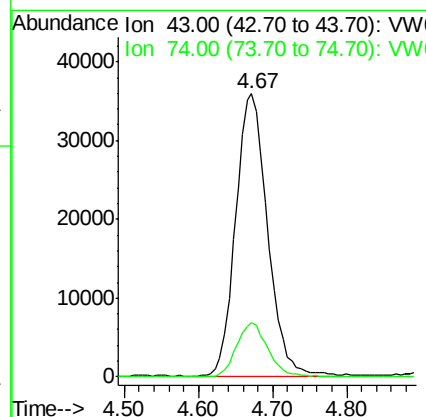
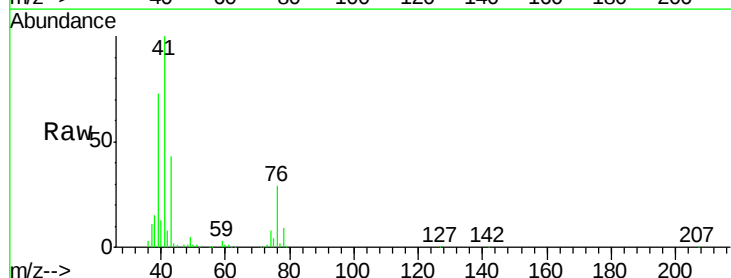
Manual Integrations
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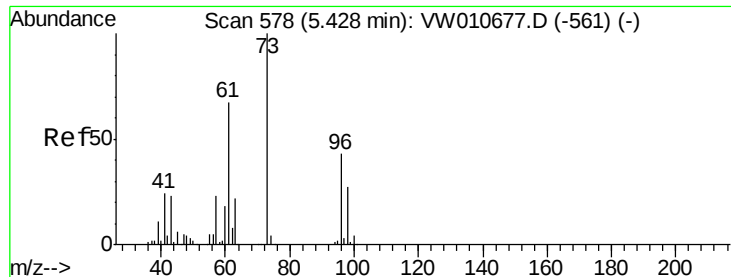
MMDadoda
6/20/2019 12:00:22 PM



#18
Methyl Acetate
Concen: 69.596 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.0	16.7	25.1





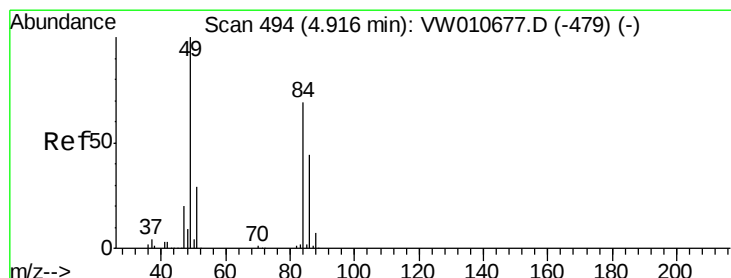
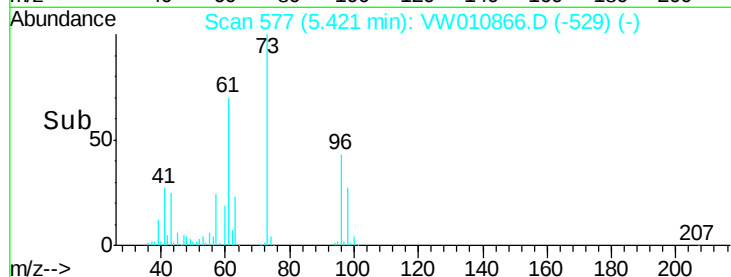
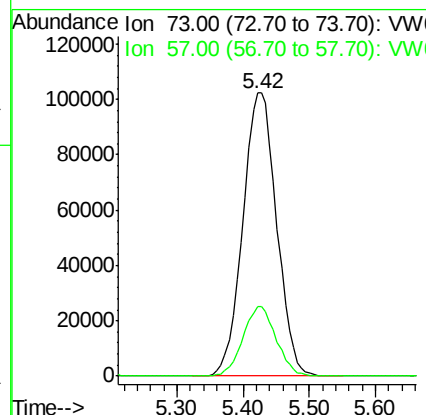
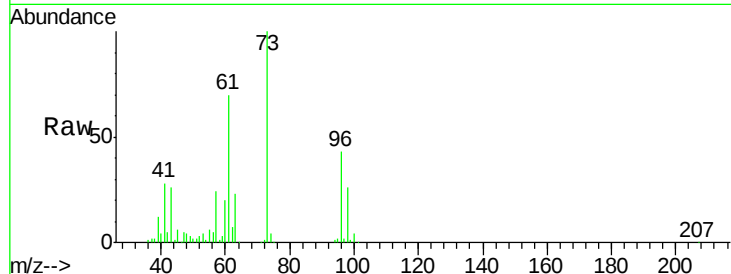
#19
Methyl tert-butyl Ether
Concen: 57.163 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 362356
Ion Ratio Lower Upper
73 100
57 24.4 18.6 27.8

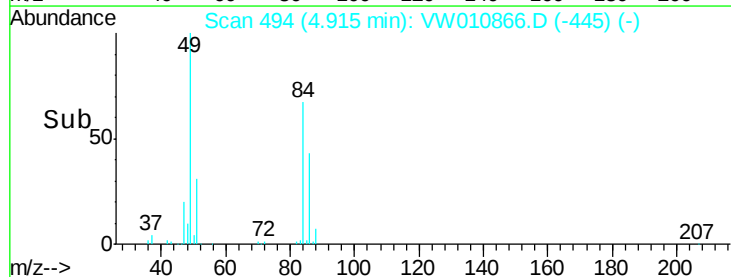
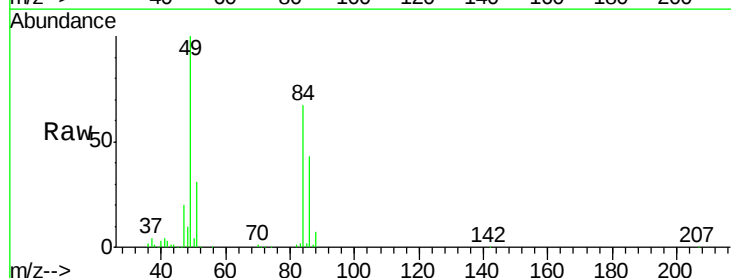
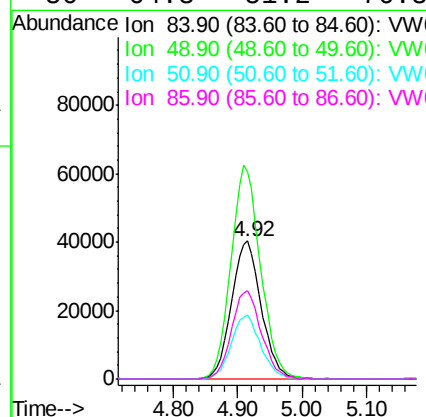
Manual Integrations
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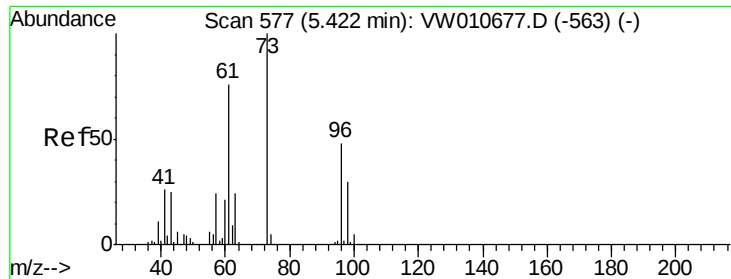
MMDadoda
6/20/2019 12:00:22 PM



#20
Methylene Chloride
Concen: 51.921 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion: 84 Resp: 130739
Ion Ratio Lower Upper
84 100
49 149.7 116.7 175.1
51 45.9 34.2 51.2
86 64.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 52.867 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

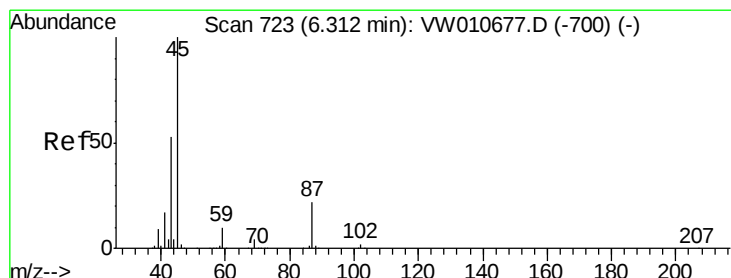
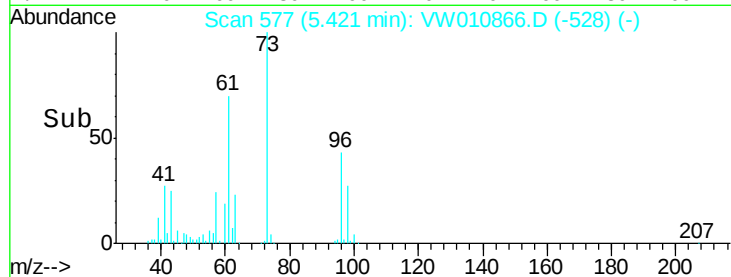
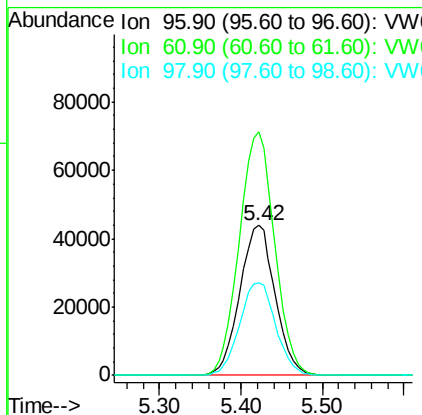
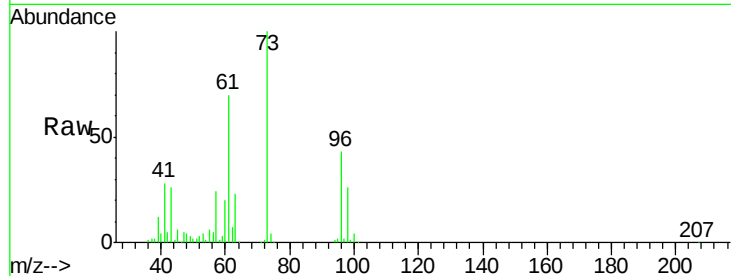
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	131907
Ion	Ratio	Lower	Upper
96	100		
61	162.8	126.0	189.0
98	61.9	49.6	74.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 58.276 ug/l

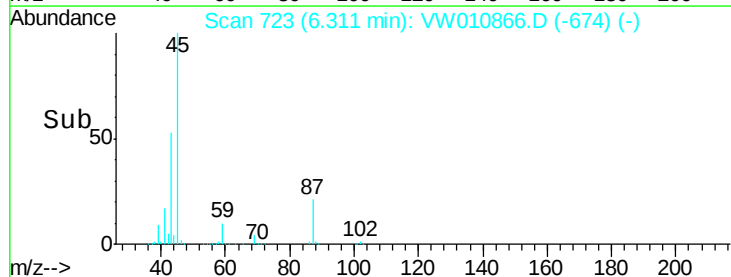
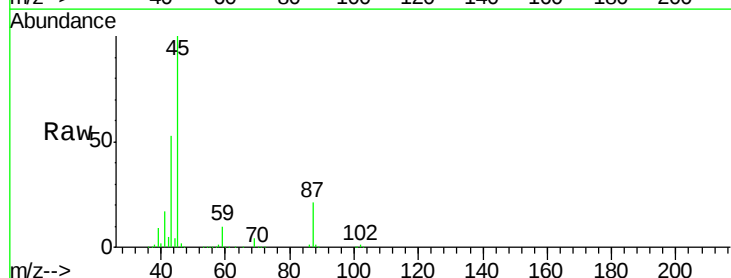
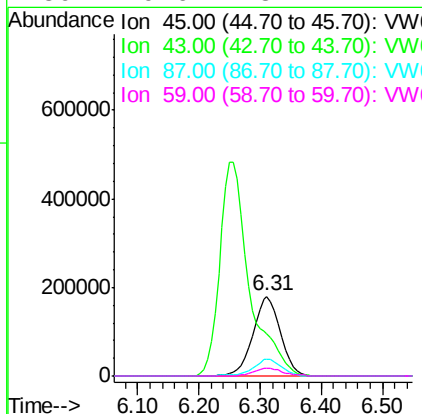
RT: 6.31 min Scan# 723

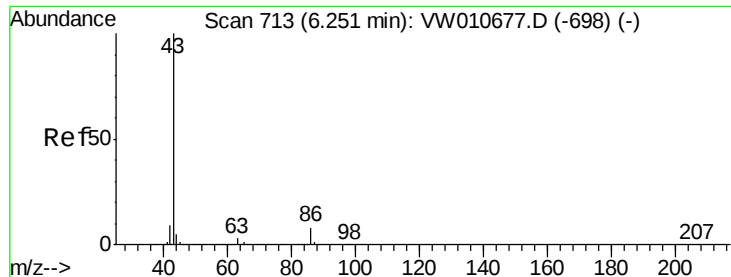
Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion:	45	Resp:	565405
Ion	Ratio	Lower	Upper
45	100		
43	53.0	42.5	63.7
87	20.8	17.4	26.2
59	9.6	8.1	12.1





#23

Vinyl Acetate

Concen: 277.375 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1624096

Ion Ratio Lower Upper

43 100

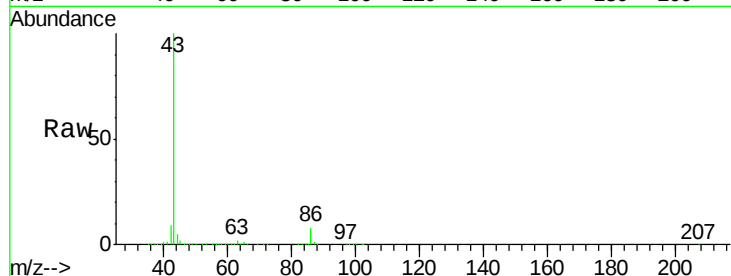
86 8.2 6.6 10.0

Manual Integrations

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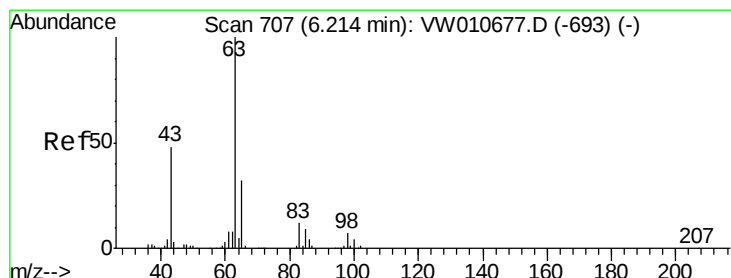
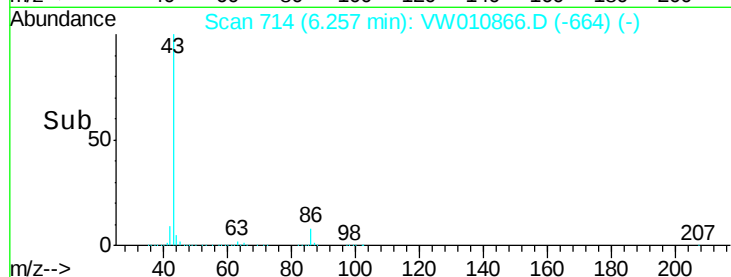
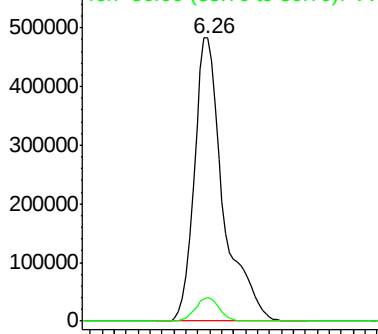
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 55.987 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

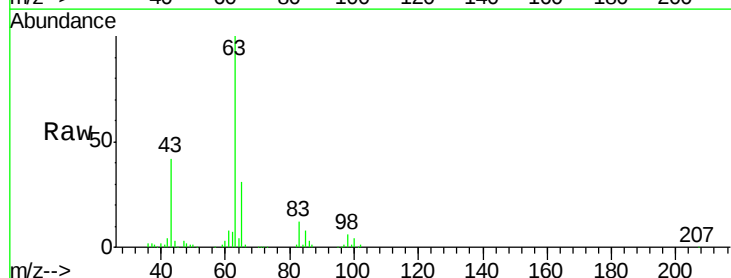
Tgt Ion: 63 Resp: 272217

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

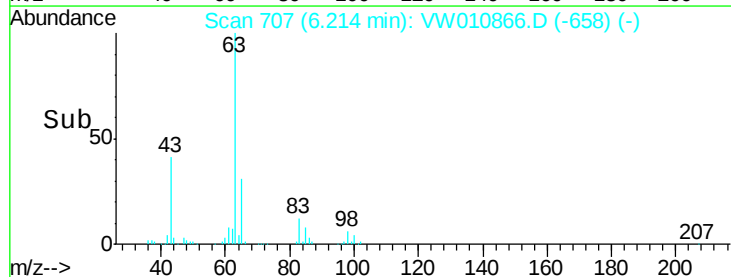
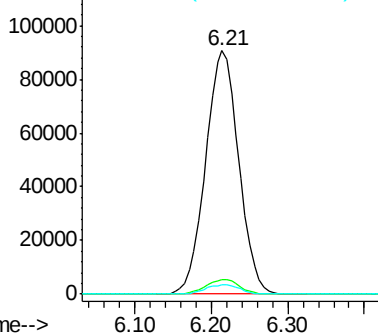
100 3.9 2.1 6.3

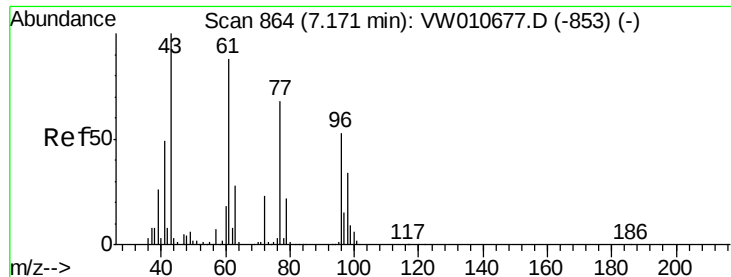


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 303.847 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 302419

Ion Ratio Lower Upper

43 100

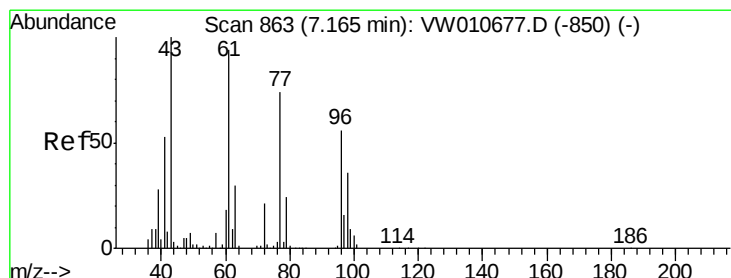
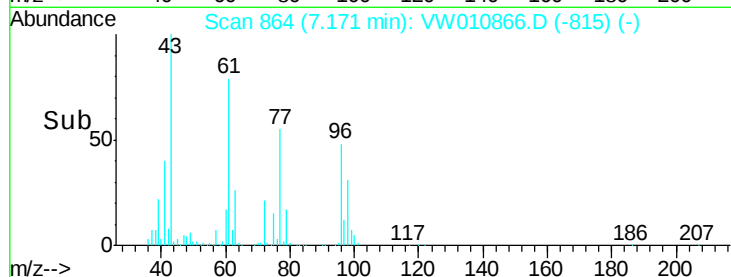
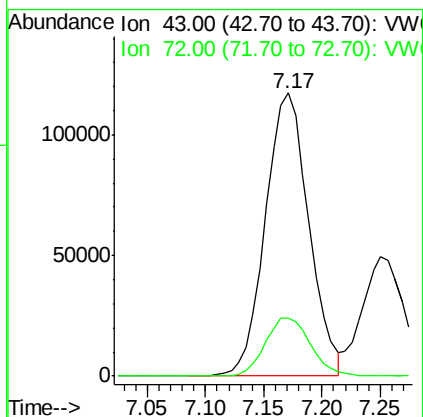
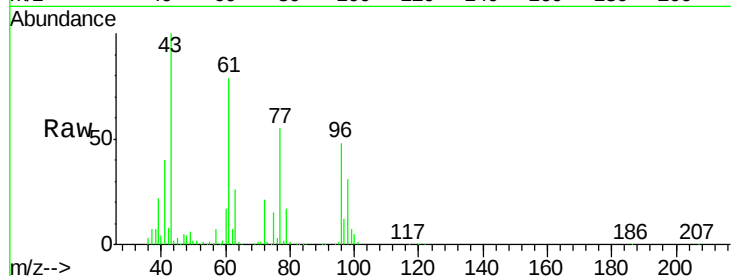
72 20.7 18.1 27.1

Manual Integrations

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6/20/2019 12:00:22 PM



#26

2,2-Dichloropropane

Concen: 49.820 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010866.D

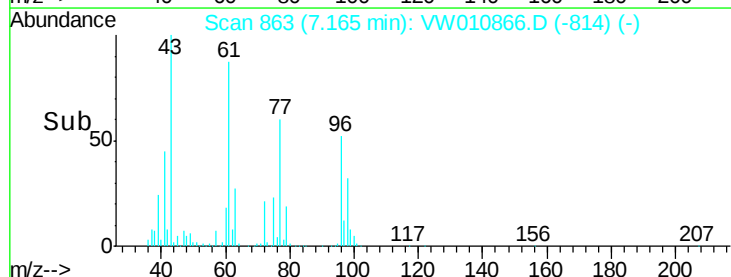
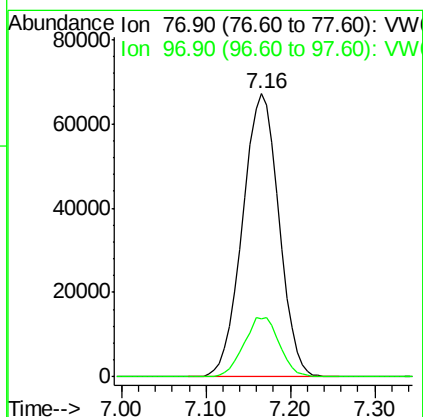
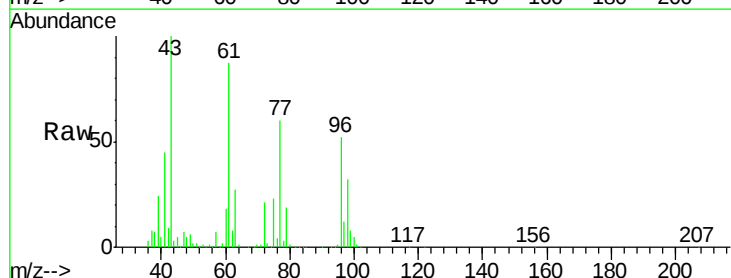
Acq: 20 Jun 2019 00:01

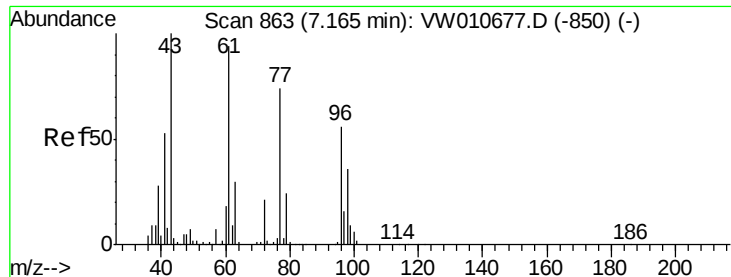
Tgt Ion: 77 Resp: 197114

Ion Ratio Lower Upper

77 100

97 20.5 10.5 31.6





#27

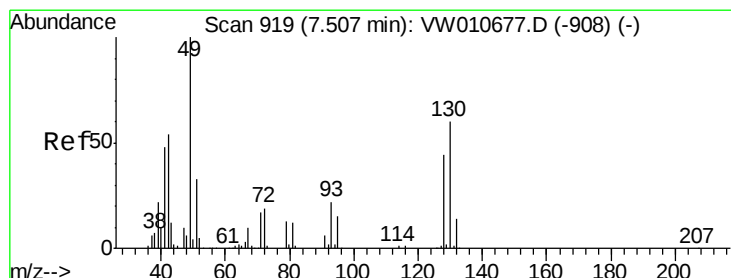
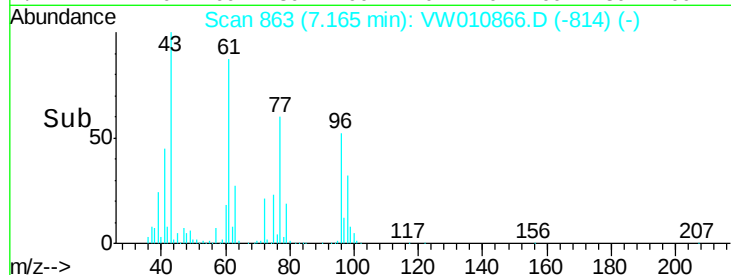
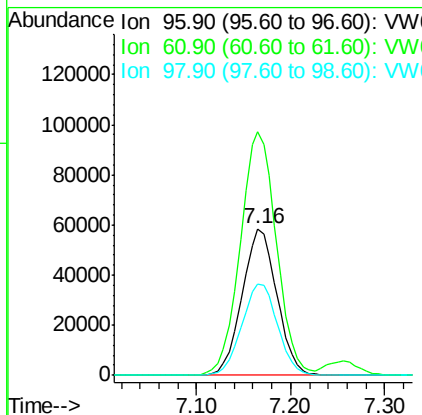
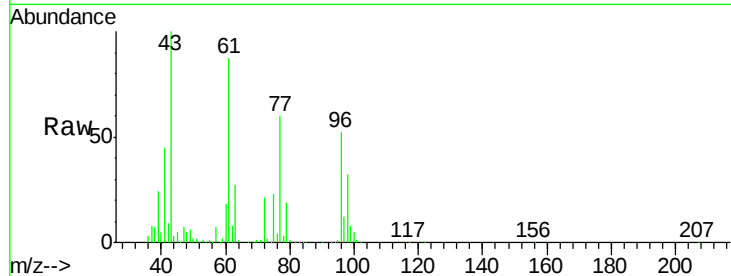
cis-1,2-Dichloroethene
Concen: 55.061 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	151187		
61	172.3	0.0	336.4	
98	64.3	0.0	128.0	

Manual Integrations
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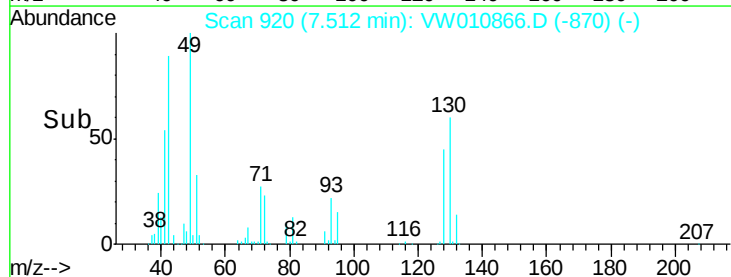
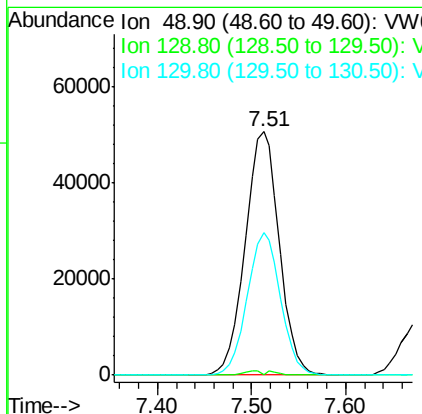
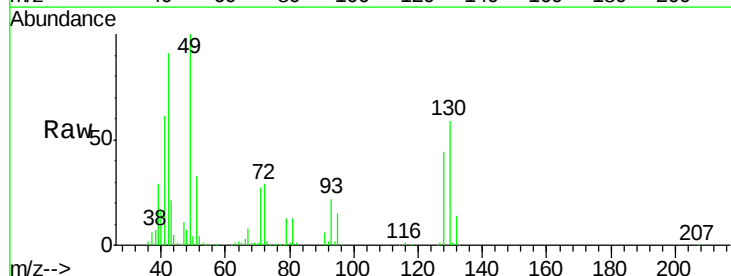
MMDadoda
6/20/2019 12:00:22 PM

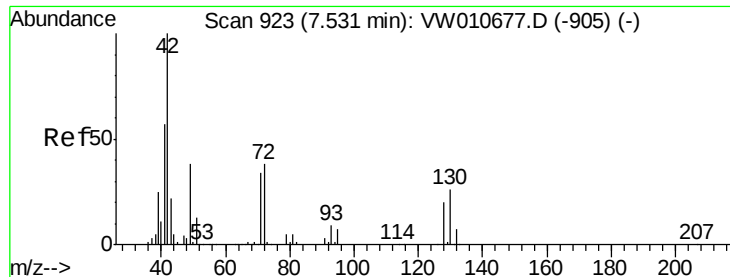


#28

Bromochloromethane
Concen: 59.080 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128196		
129	0.7	0.0	3.2	
130	57.2	48.3	72.5	





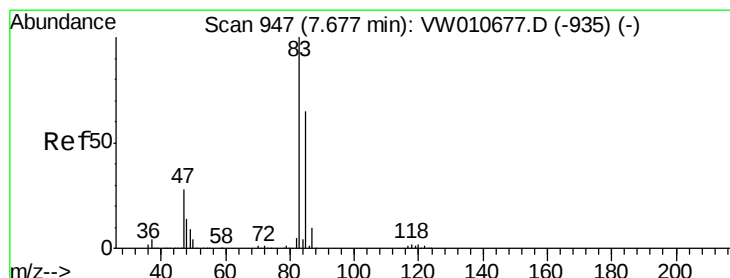
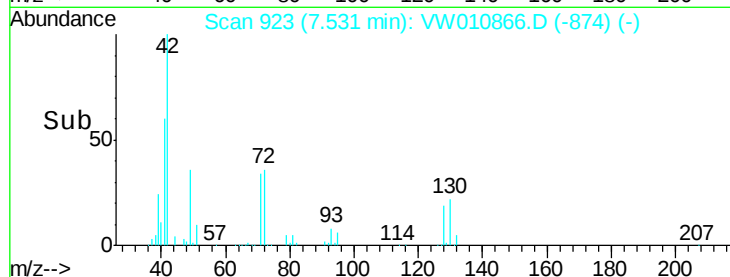
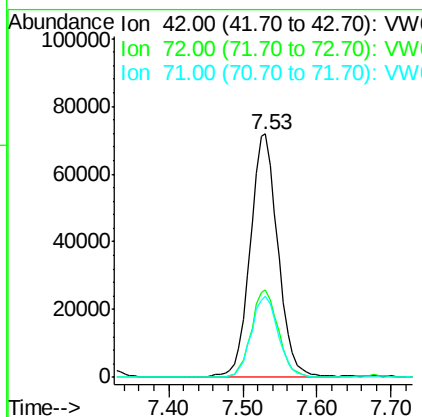
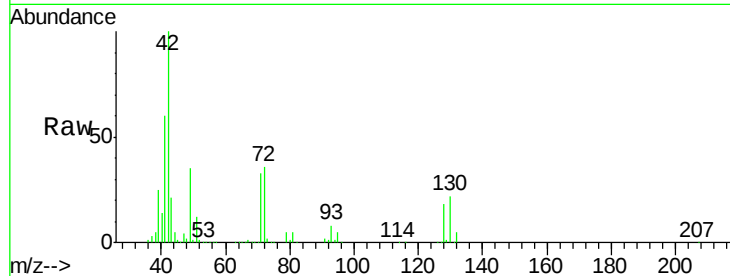
#29
Tetrahydrofuran
Concen: 298.375 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	28.7	43.1
71	33.1	26.6	39.8

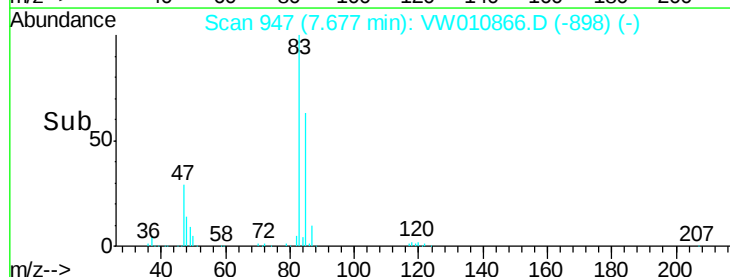
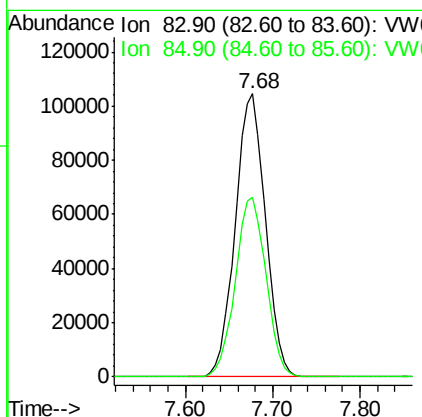
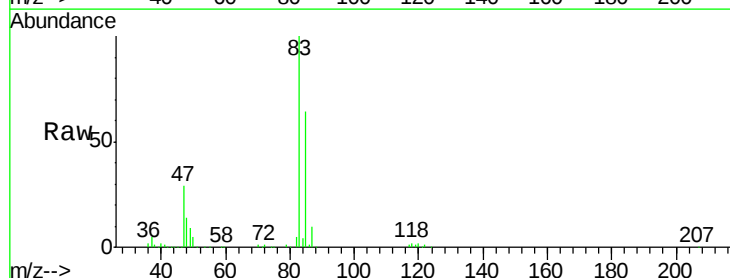
Manual Integrations
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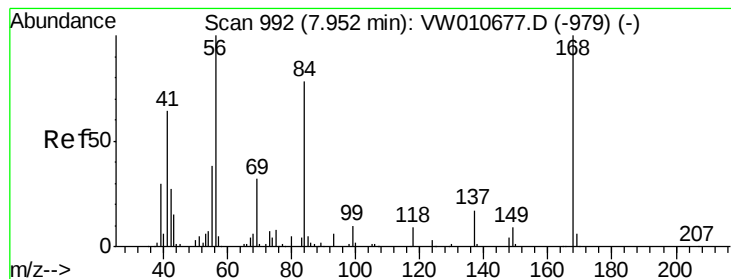
MMDadoda
6/20/2019 12:00:22 PM



#30
Chloroform
Concen: 56.443 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.8





#31

Cyclohexane

Concen: 47.012 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

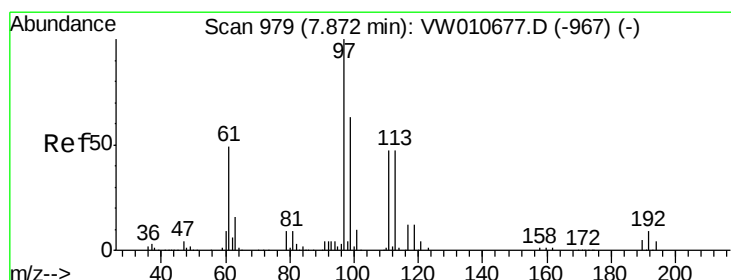
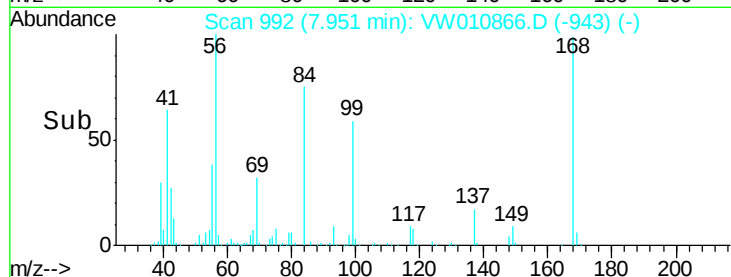
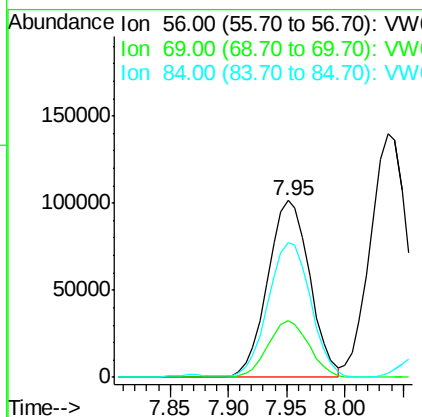
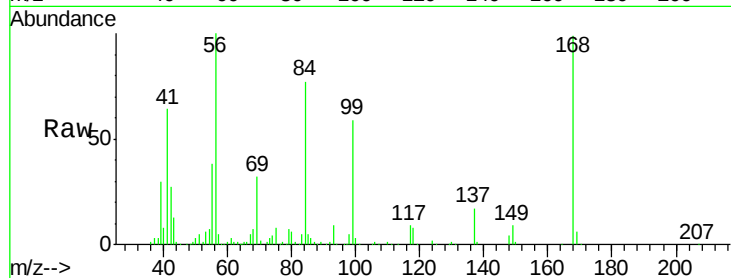
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	254096
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.2	37.8
84	75.2	62.2	93.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.256 ug/l

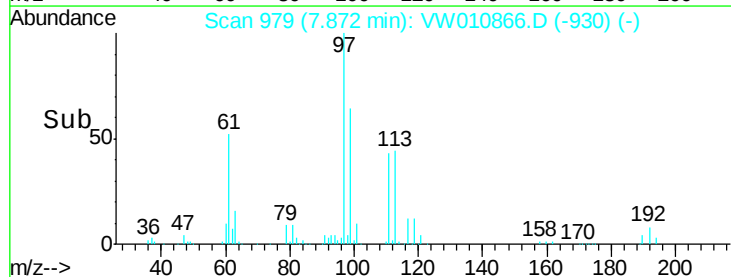
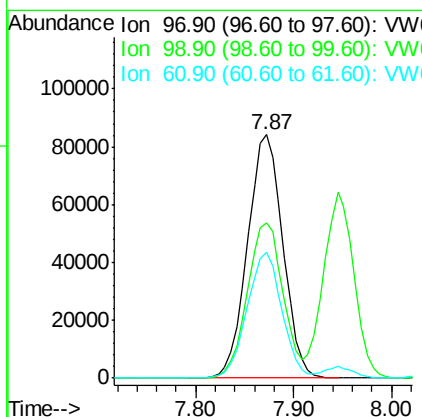
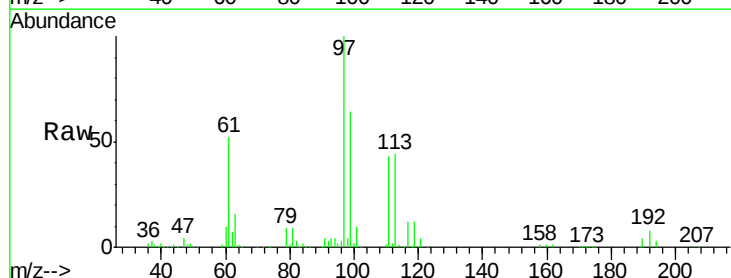
RT: 7.87 min Scan# 979

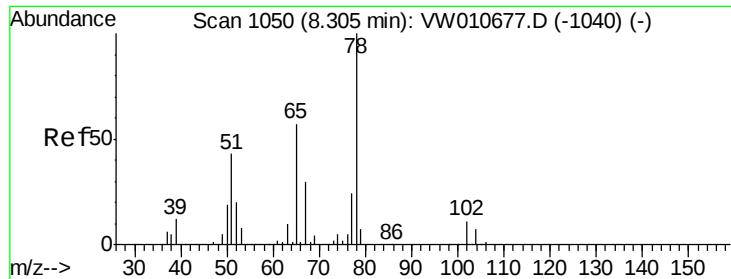
Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion:	97	Resp:	210778
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	51.0	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 53.391 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 143023

Ion Ratio Lower Upper

65 100

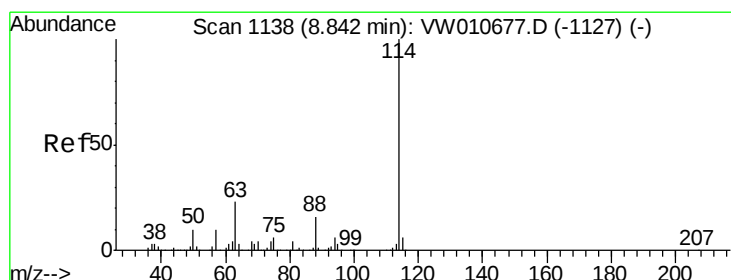
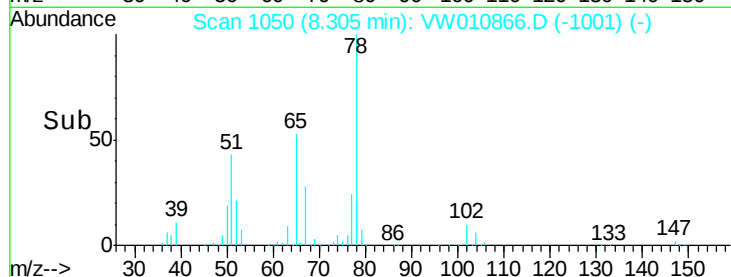
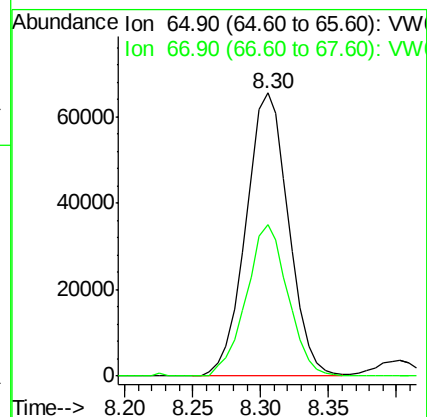
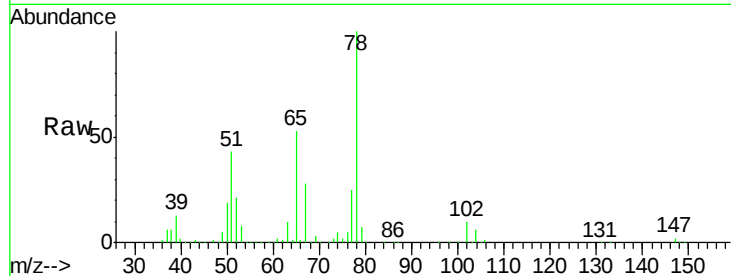
67 52.6 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

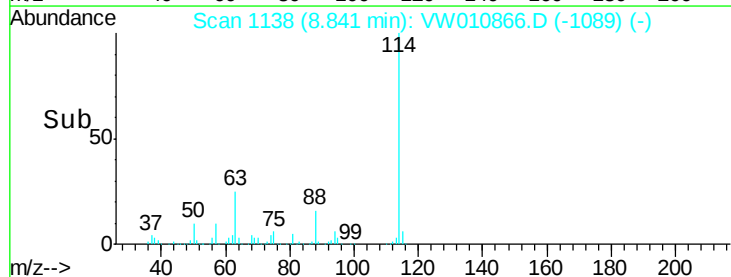
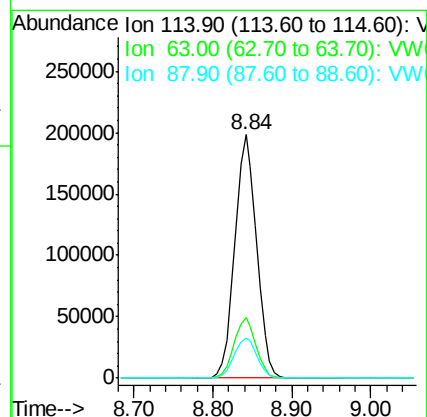
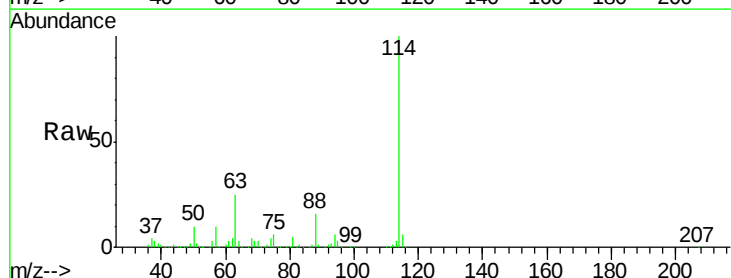
Tgt Ion: 114 Resp: 380333

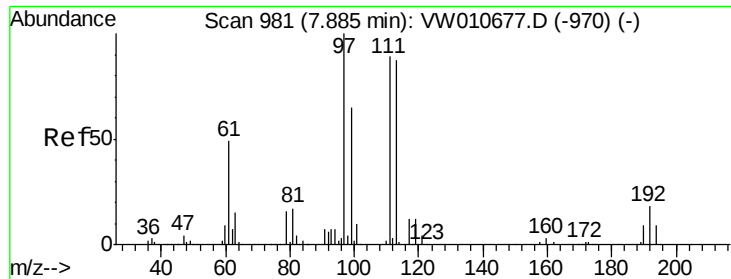
Ion Ratio Lower Upper

114 100

63 25.1 0.0 46.4

88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.439 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

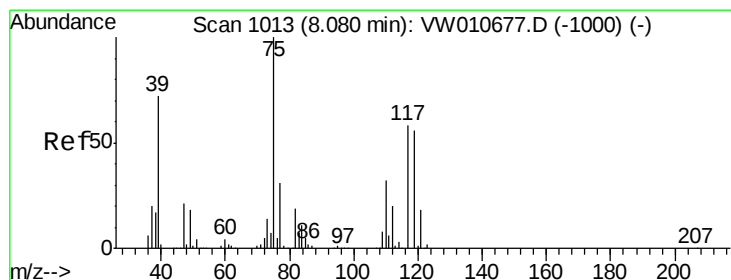
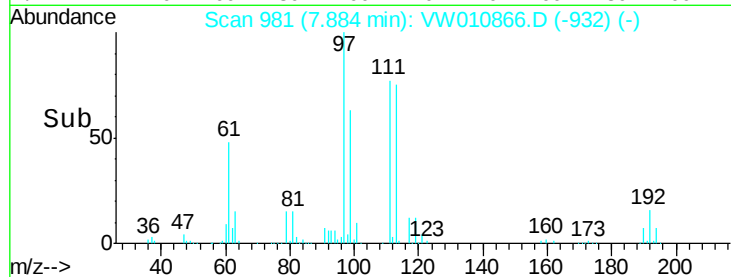
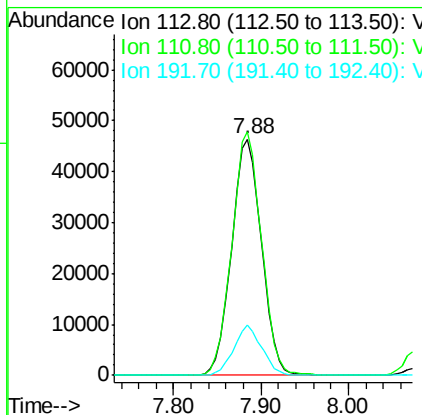
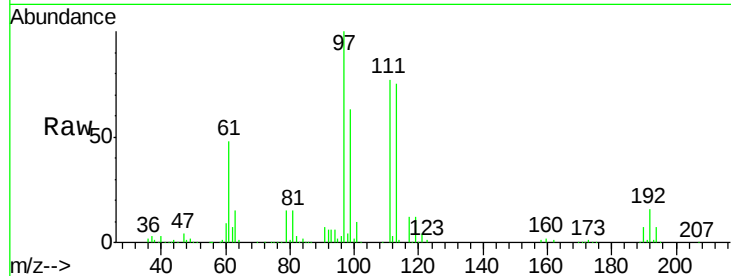
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110318		
111	101.9	82.6	123.8	
192	19.8	16.4	24.6	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.131 ug/l

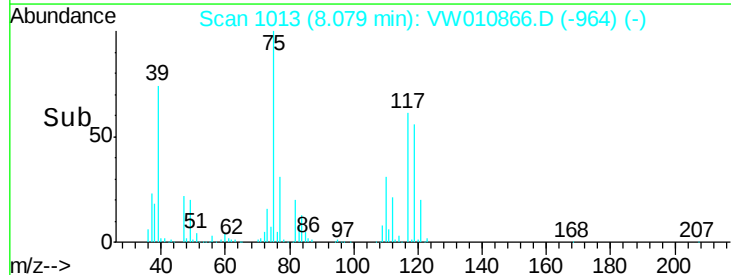
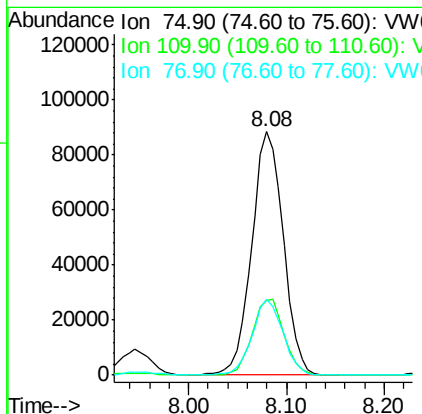
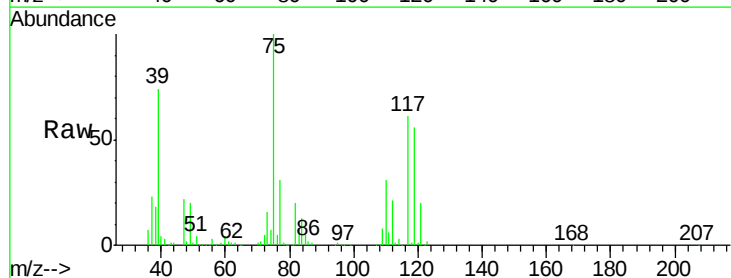
RT: 8.08 min Scan# 1013

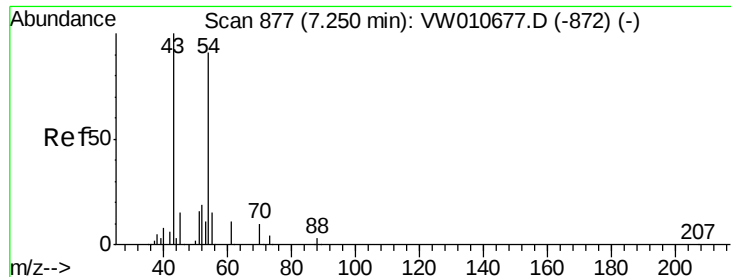
Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199062		
110	31.4	15.8	47.3	
77	30.6	24.7	37.1	





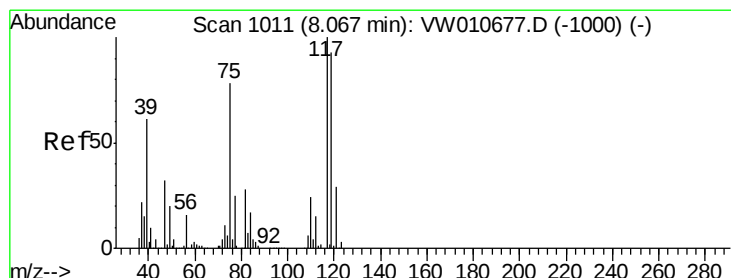
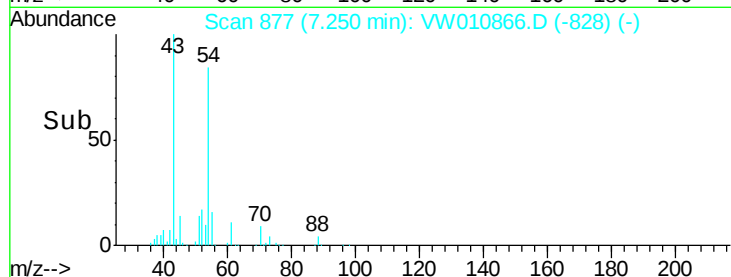
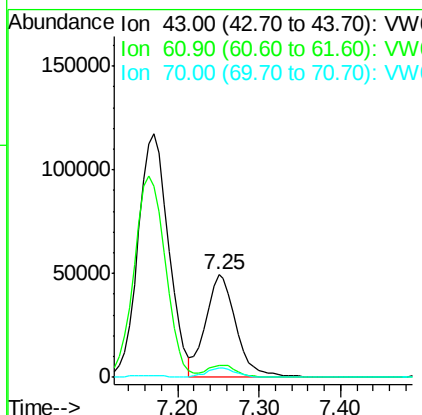
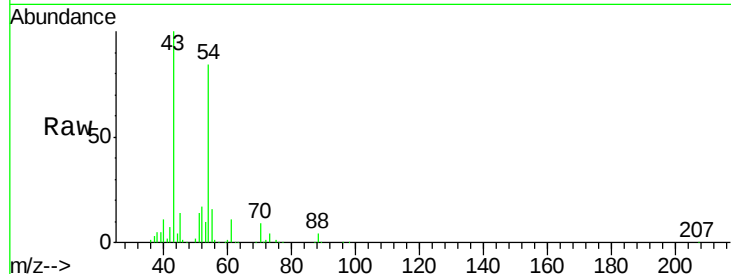
#37
Ethyl Acetate
Concen: 59.422 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	9.7	14.5
70	8.6	7.2	10.8

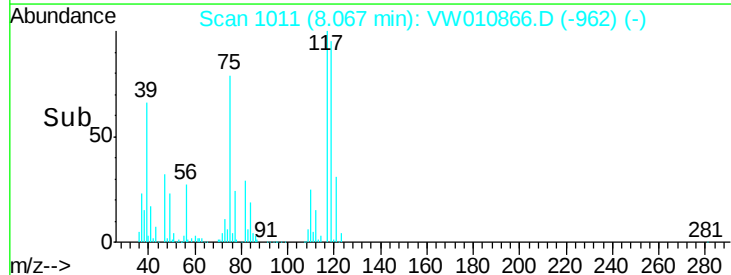
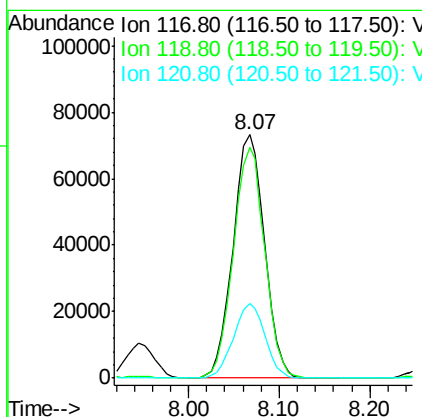
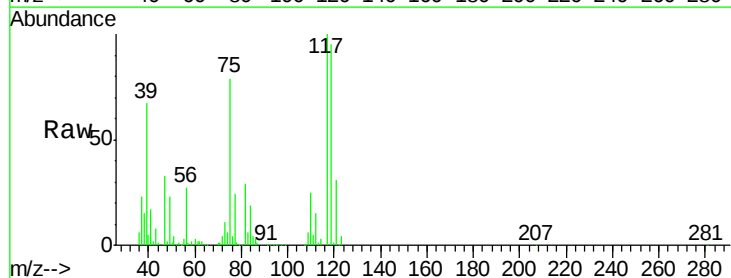
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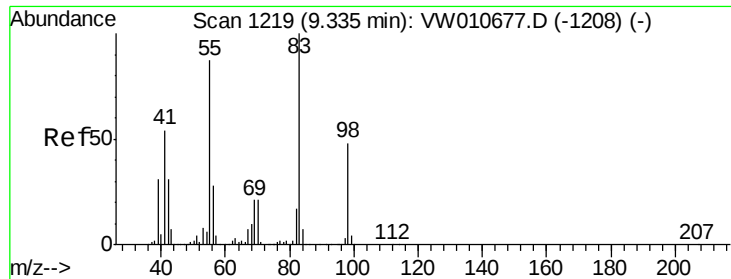
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6/20/2019 12:00:22 PM



#38
Carbon Tetrachloride
Concen: 52.463 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.2	111.4
121	30.8	22.9	34.3





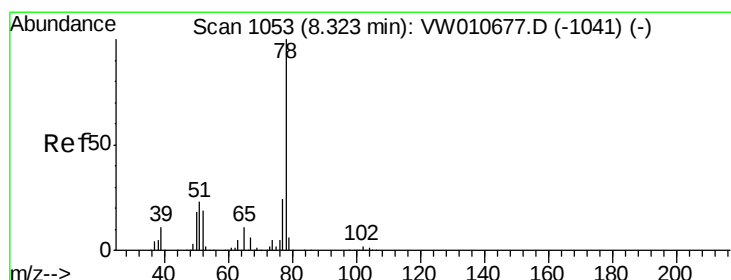
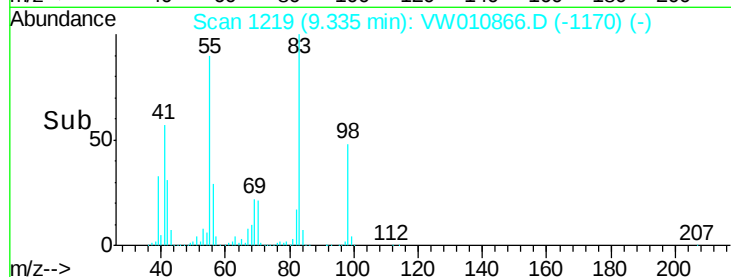
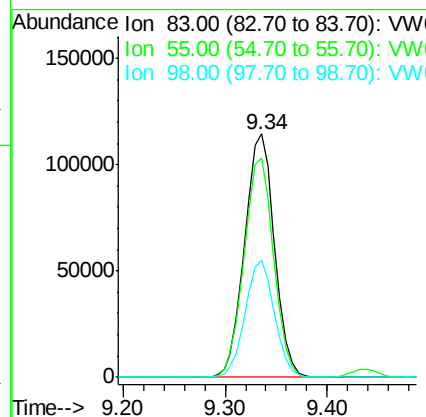
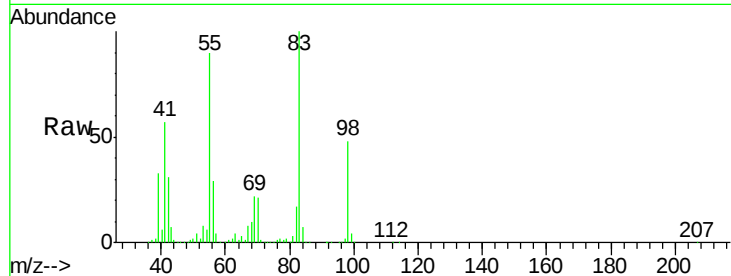
#39
Methvlcvclohexane
Concen: 47.013 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.9	70.0	105.0
98	47.9	38.1	57.1

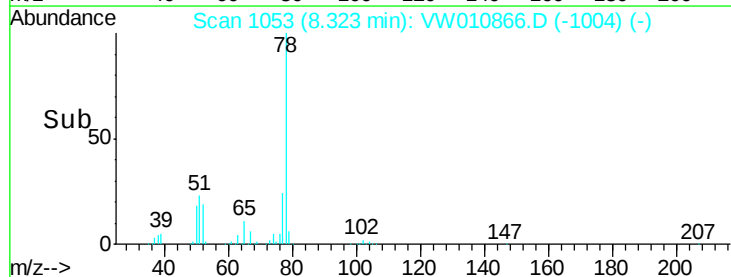
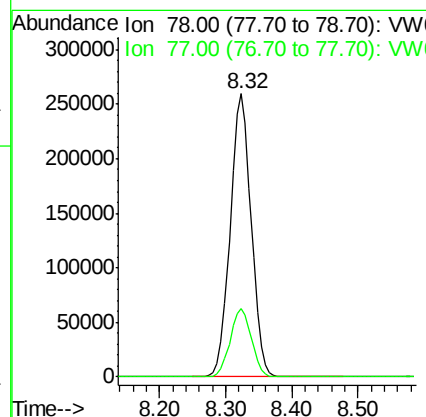
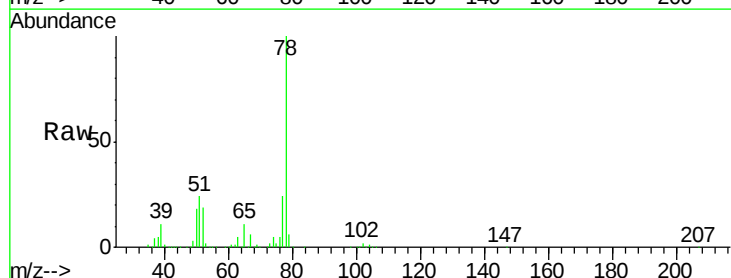
Manual Integrations
APPROVED

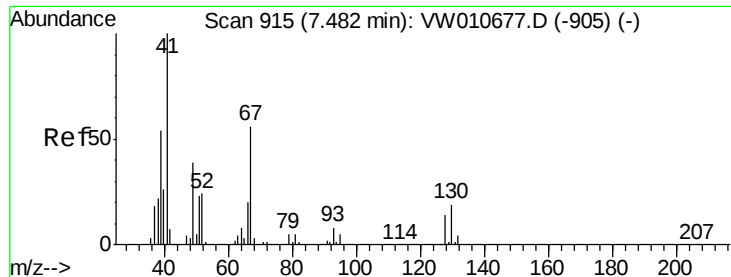
MMDadoda
6/20/2019 12:00:22 PM



#40
Benzene
Concen: 53.424 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





#41

Methacrylonitrile

Concen: 67.722 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

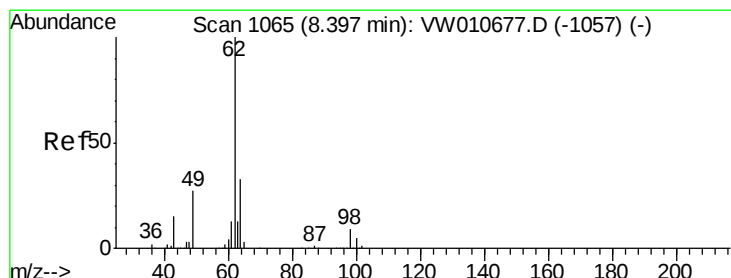
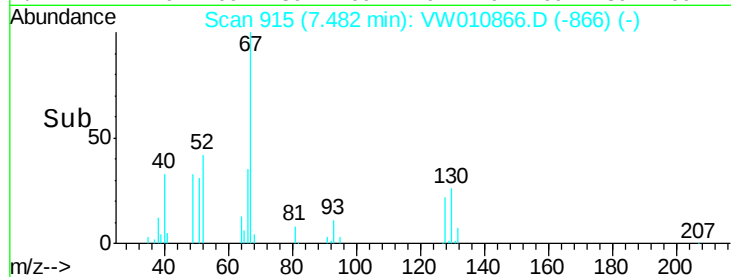
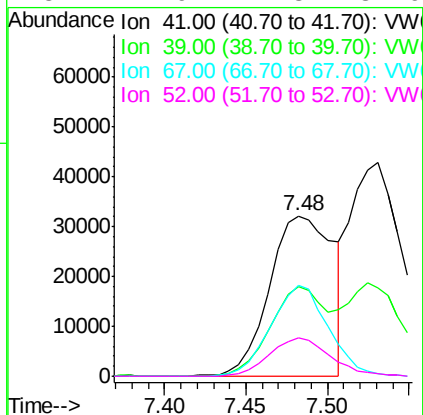
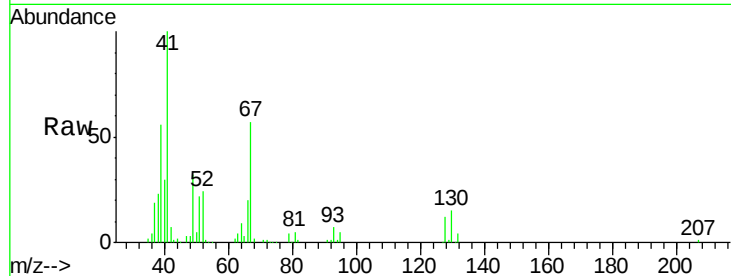
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	86842
Ion	Ratio	Lower	Upper
41	100		
39	46.8	47.3	70.9#
67	51.7	47.2	70.8
52	22.9	21.3	31.9

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 56.756 ug/l

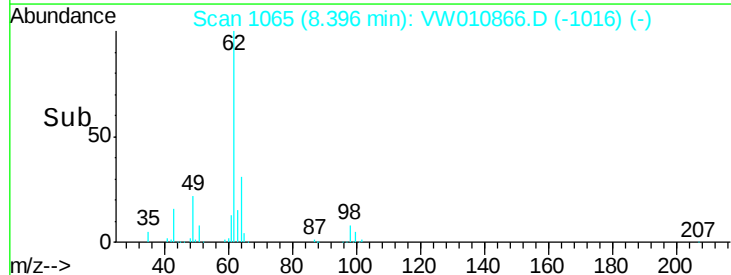
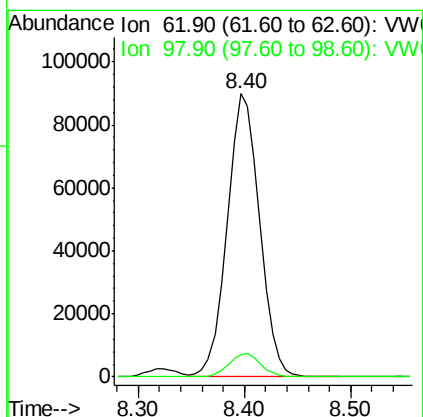
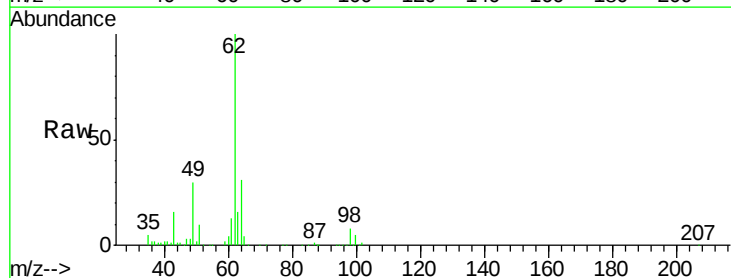
RT: 8.40 min Scan# 1065

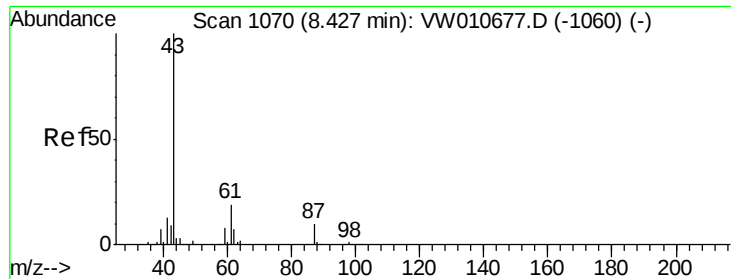
Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion:	62	Resp:	191313
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





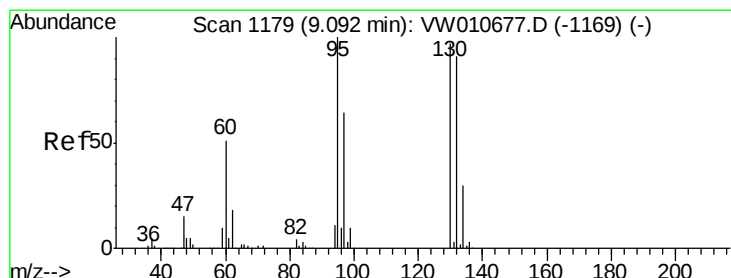
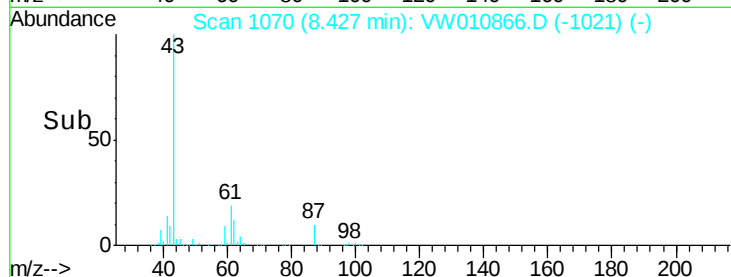
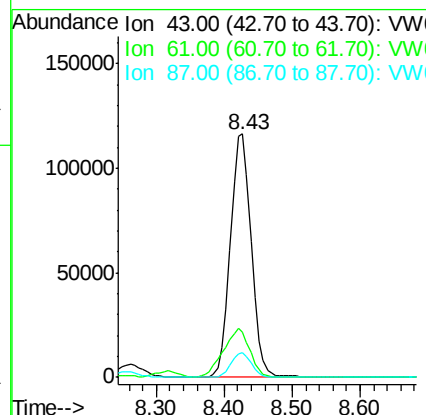
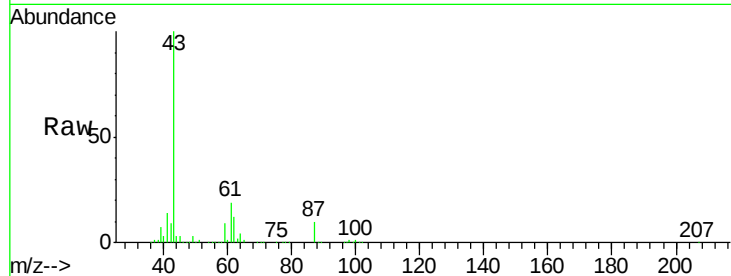
#43
Isopropyl Acetate
Concen: 59.242 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	21.2	31.8
87	10.1	8.3	12.5

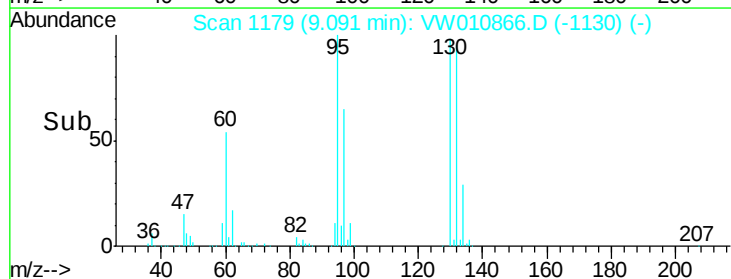
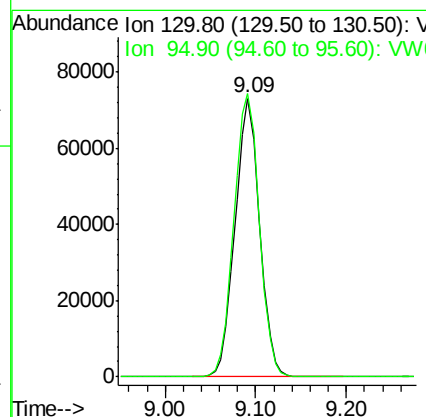
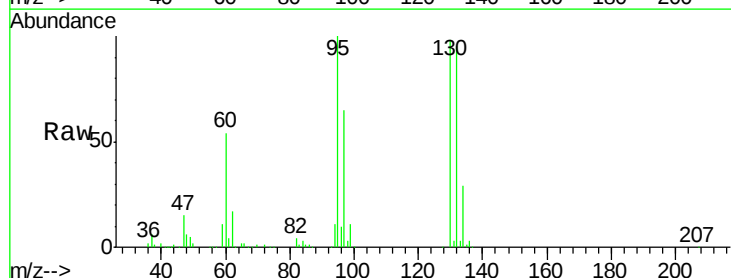
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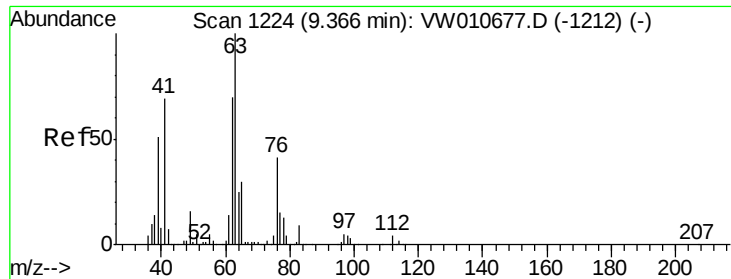
MMDadoda
6/20/2019 12:00:22 PM



#44
Trichloroethene
Concen: 52.415 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	207.0





#45

1,2-Dichloropropane

Concen: 55.895 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 157146

Ion Ratio Lower Upper

63 100

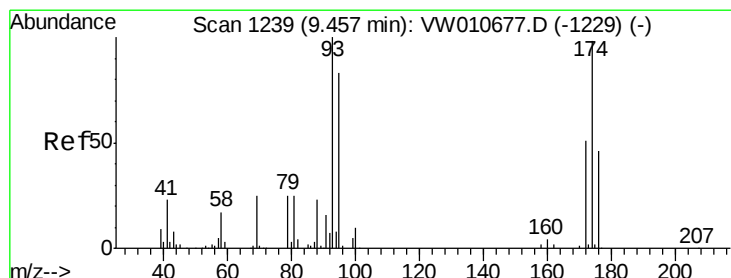
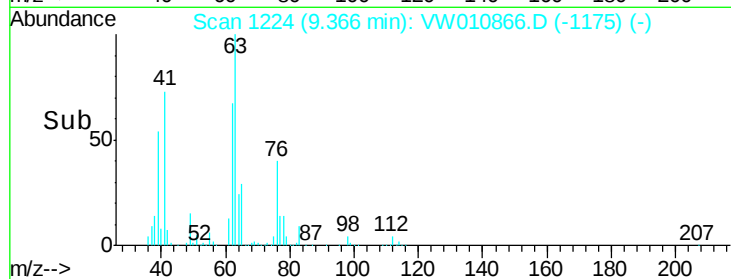
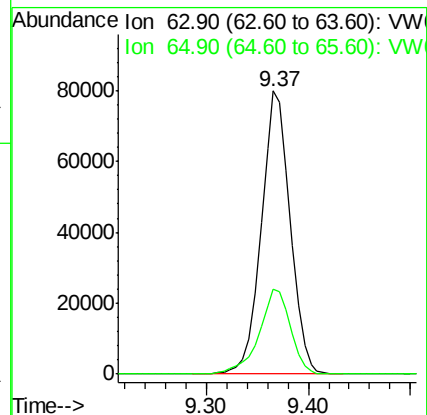
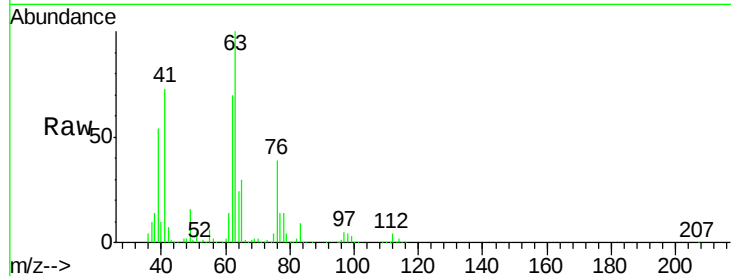
65 29.8 23.8 35.6

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#46

Dibromomethane

Concen: 55.961 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

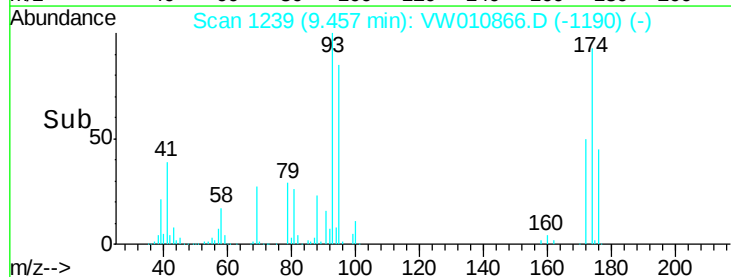
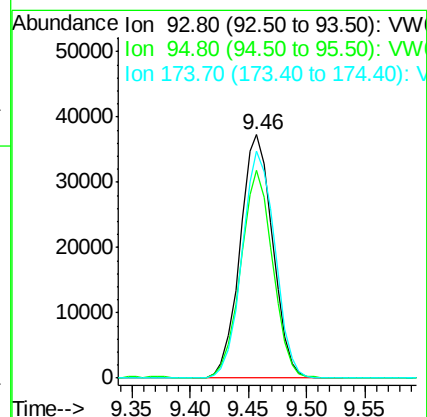
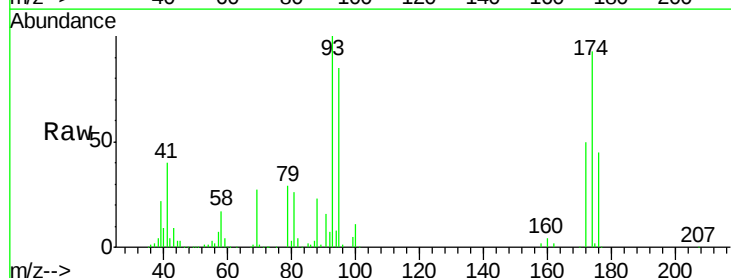
Tgt Ion: 93 Resp: 73076

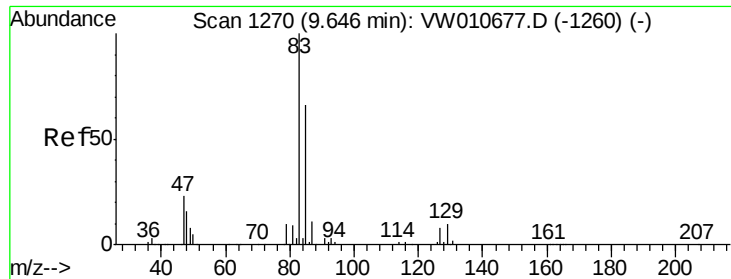
Ion Ratio Lower Upper

93 100

95 83.3 65.8 98.8

174 93.7 77.4 116.0





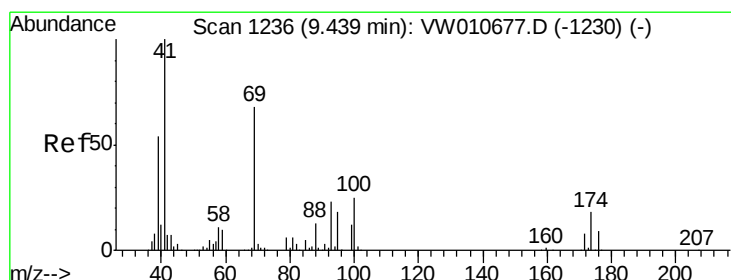
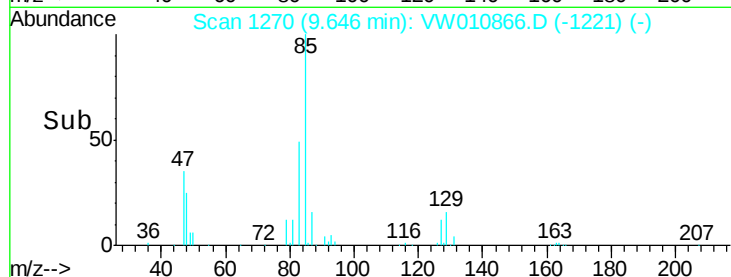
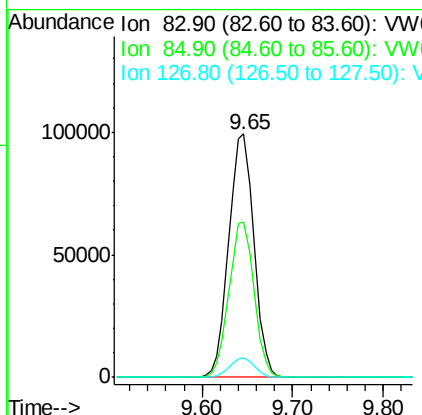
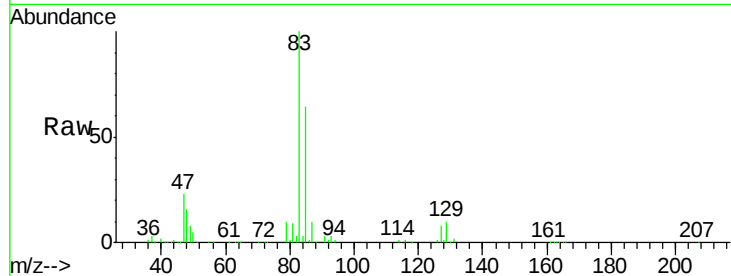
#47
Bromodichloromethane
Concen: 56.554 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	191435		
85	63.5	53.0	79.4	
127	7.9	6.4	9.6	

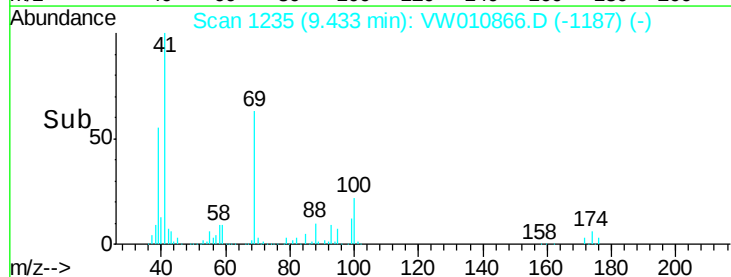
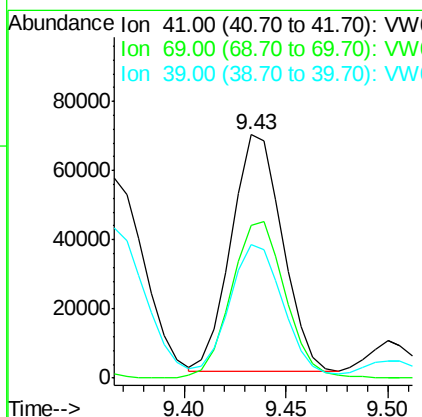
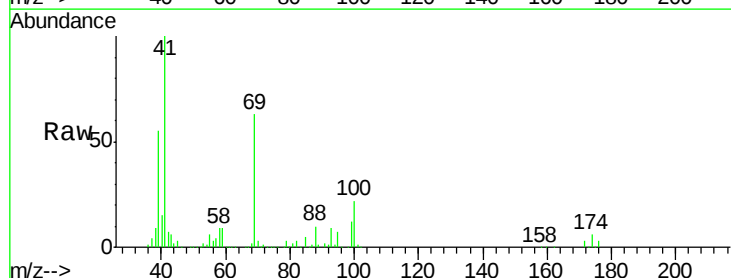
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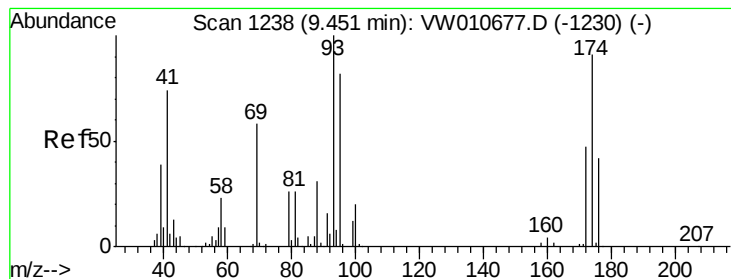
MMDadoda
6/20/2019 12:00:22 PM



#48
Methyl methacrylate
Concen: 59.659 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	119887		
69	69.5	56.6	85.0	
39	59.6	44.4	66.6	





#49

1,4-Dioxane

Concen: 1189.053 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 88 Resp: 24276

Ion Ratio Lower Upper

88 100

43 45.9 34.2 51.4

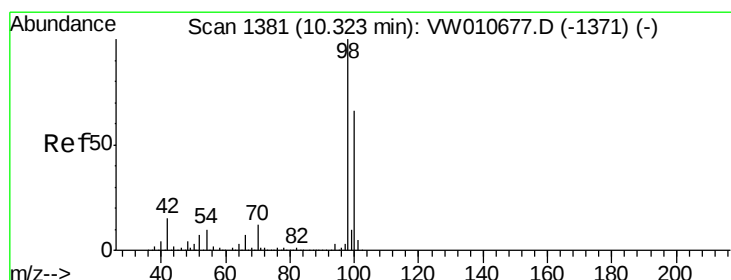
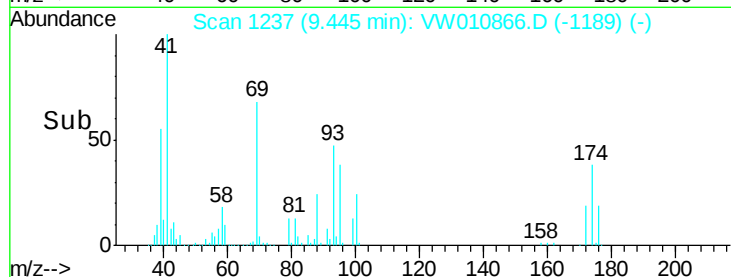
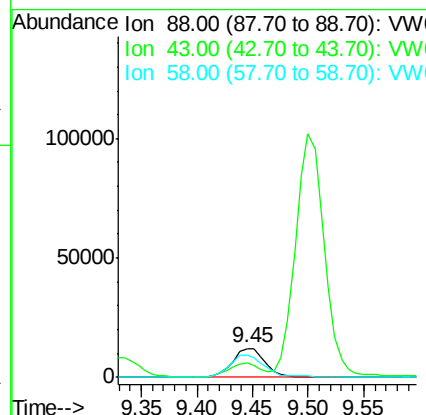
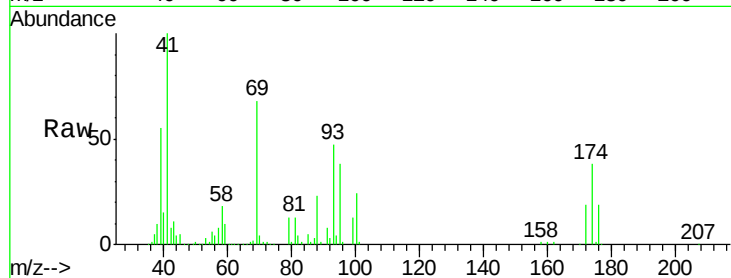
58 84.8 69.0 103.4

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#50

Toluene-d8

Concen: 49.120 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010866.D

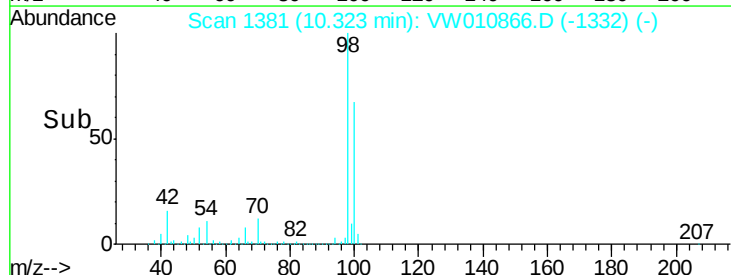
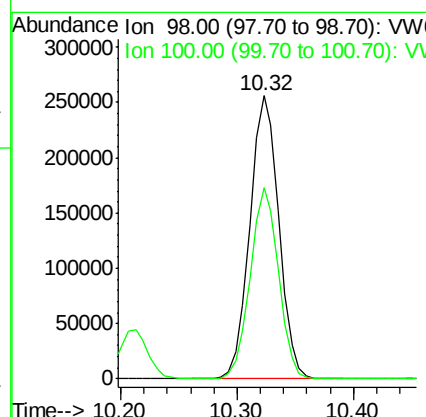
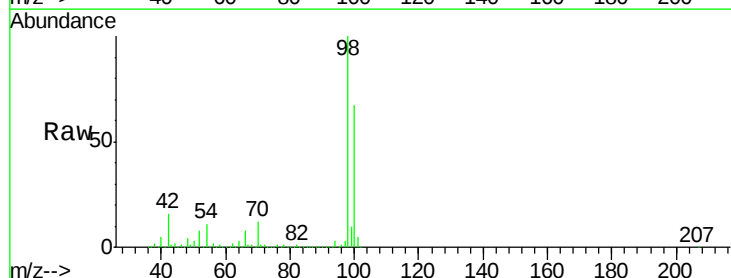
Acq: 20 Jun 2019 00:01

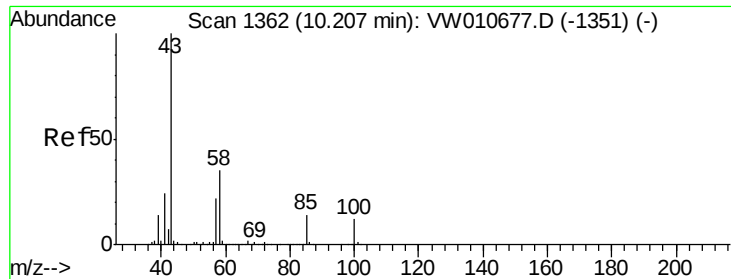
Tgt Ion: 98 Resp: 444660

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 303.253 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 645699

Ion Ratio Lower Upper

43 100

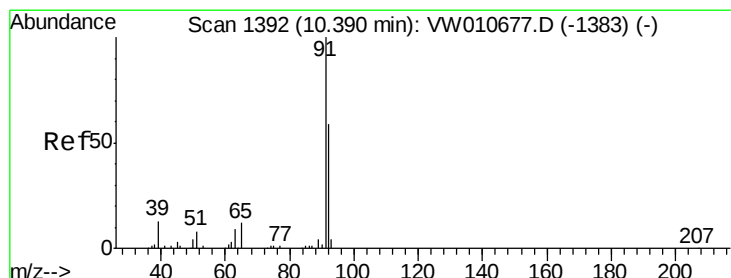
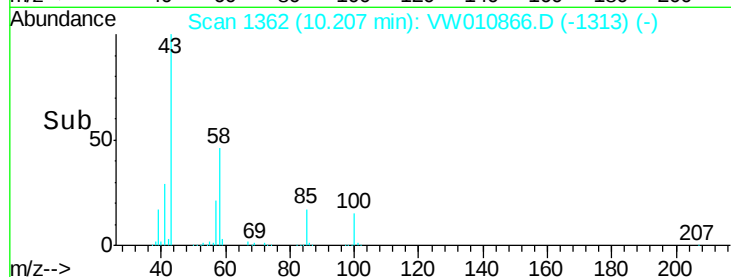
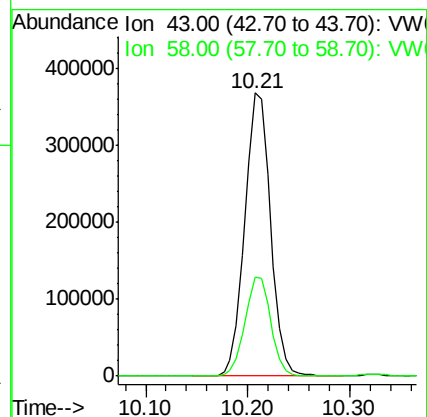
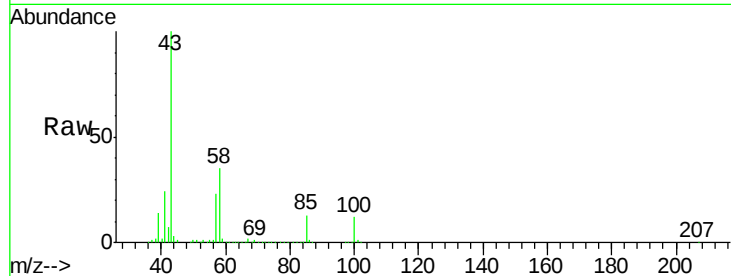
58 35.0 28.4 42.6

Manual Integrations

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#52

Toluene

Concen: 53.161 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010866.D

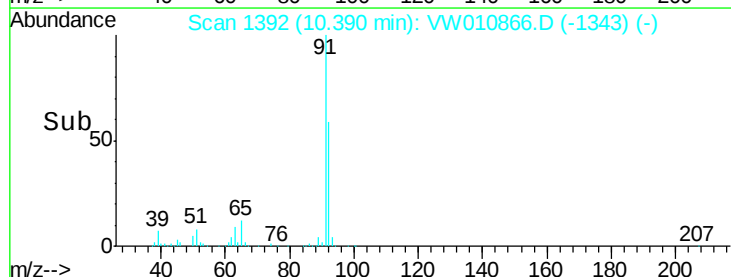
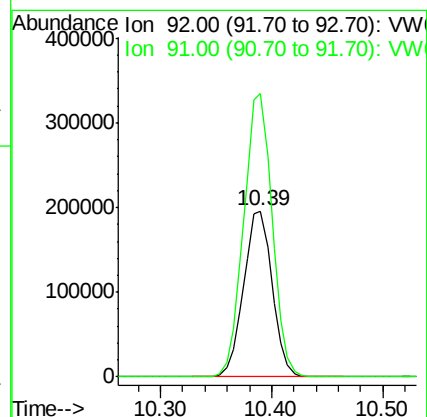
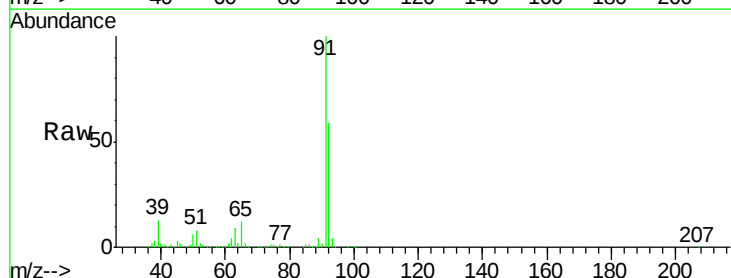
Acq: 20 Jun 2019 00:01

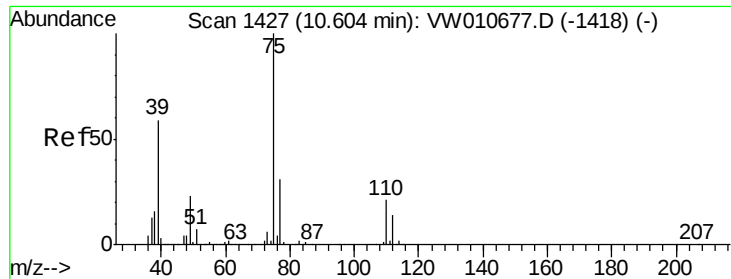
Tgt Ion: 92 Resp: 347393

Ion Ratio Lower Upper

92 100

91 170.9 134.9 202.3





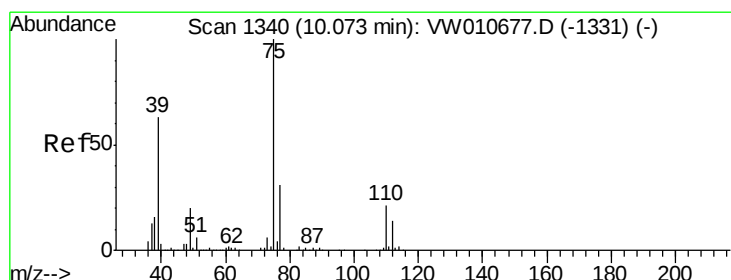
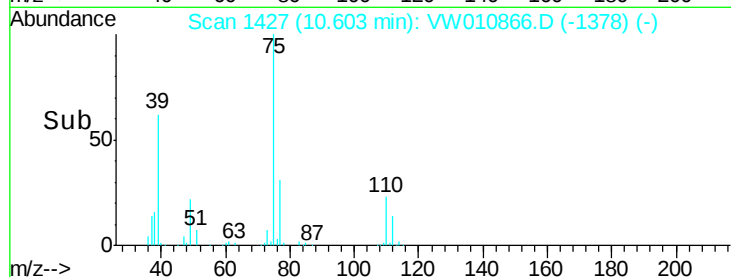
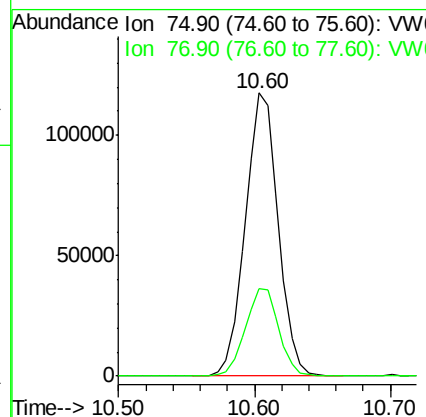
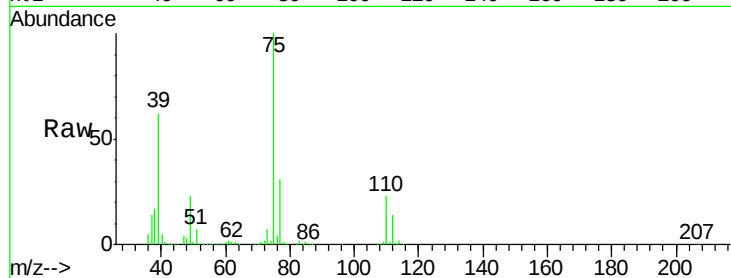
#53
 t-1,3-Dichloropropene
 Concen: 55.225 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8

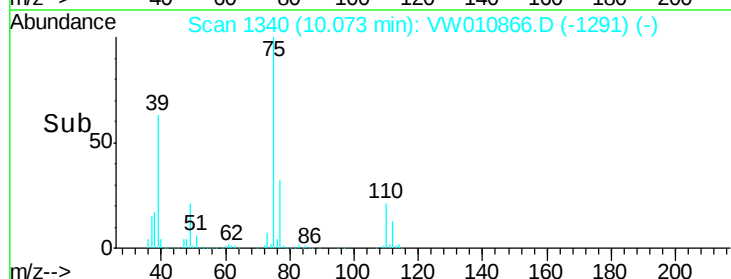
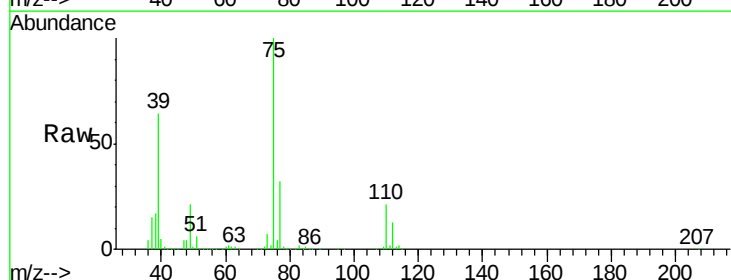
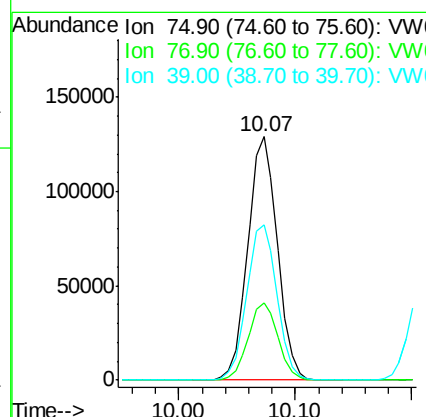
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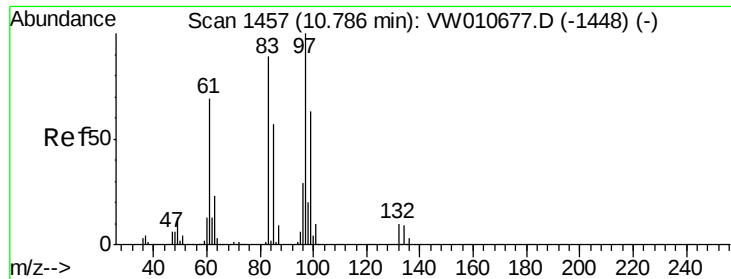
MMDadoda
 6/20/2019 12:00:22 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.237 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8
39	63.5	50.1	75.1





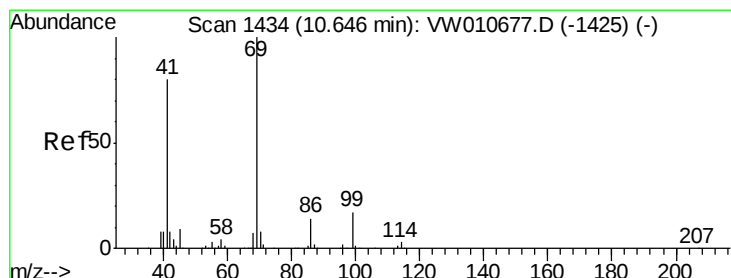
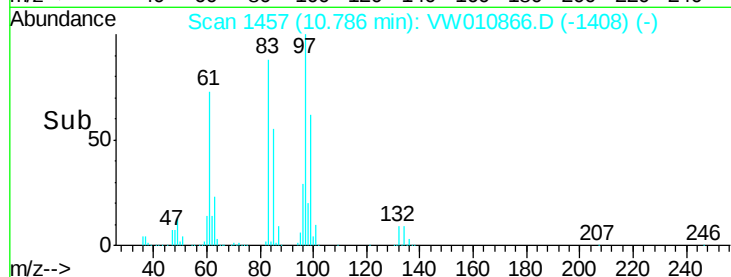
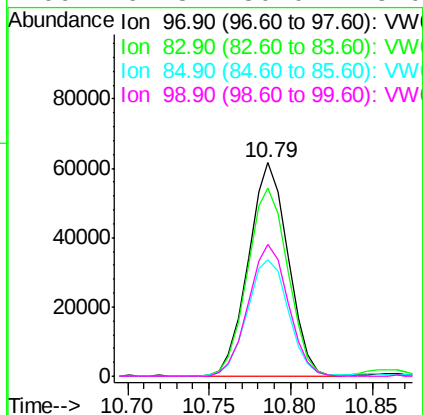
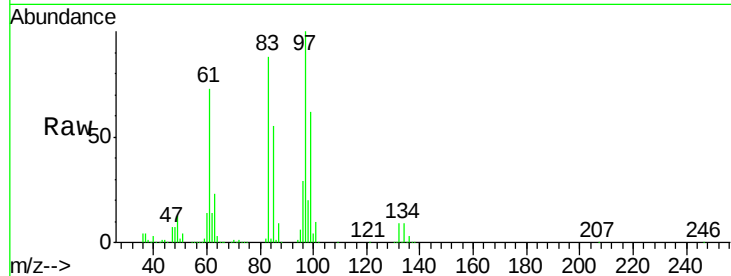
#55
 1,1,2-Trichloroethane
 Concen: 55.862 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	105087
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.1	106.7
85	54.7	45.2	67.8
99	61.8	50.0	75.0

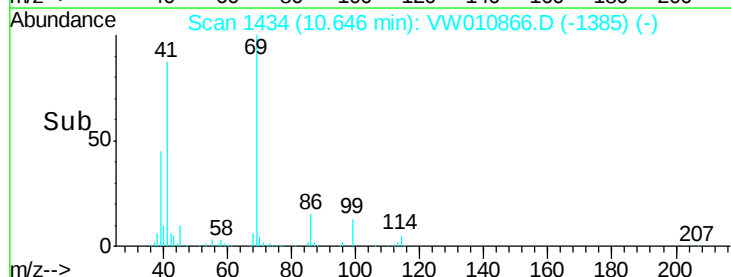
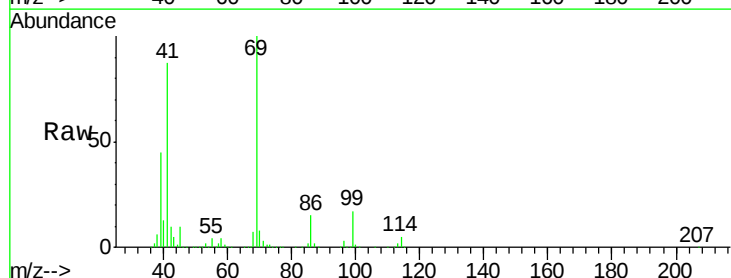
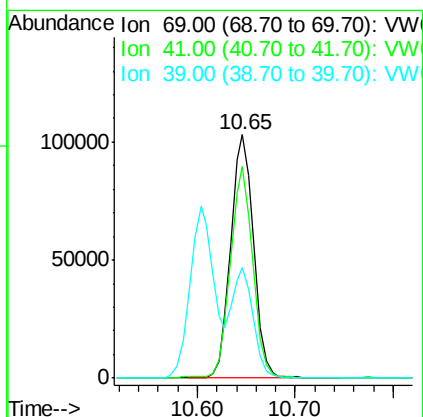
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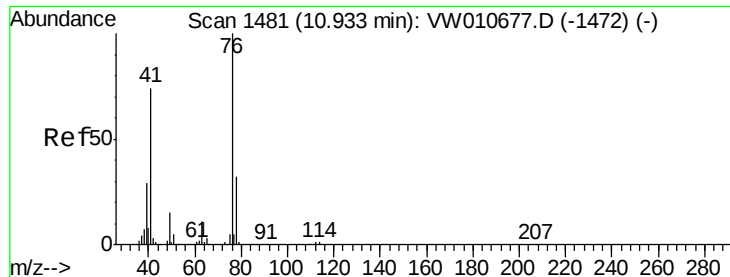
MMDadoda
 6/20/2019 12:00:22 PM



#56
 Ethyl methacrylate
 Concen: 57.847 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion:	69	Resp:	167449
Ion	Ratio	Lower	Upper
69	100		
41	84.9	64.8	97.2
39	41.2	32.2	48.2





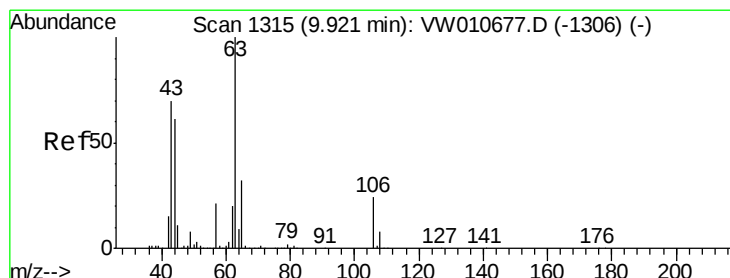
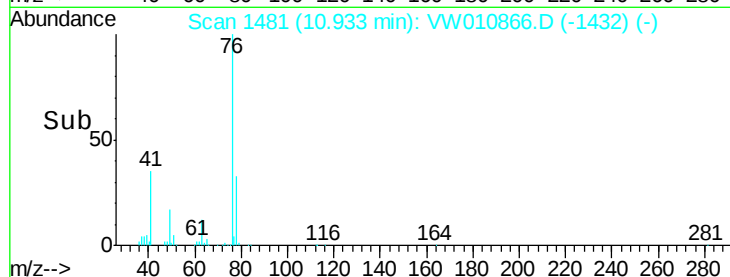
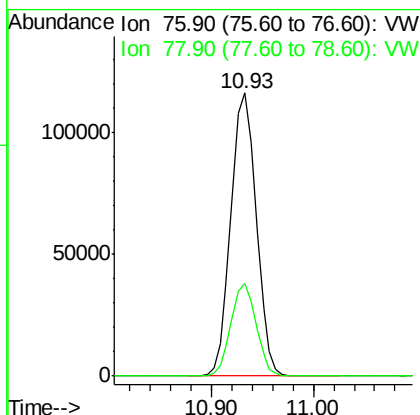
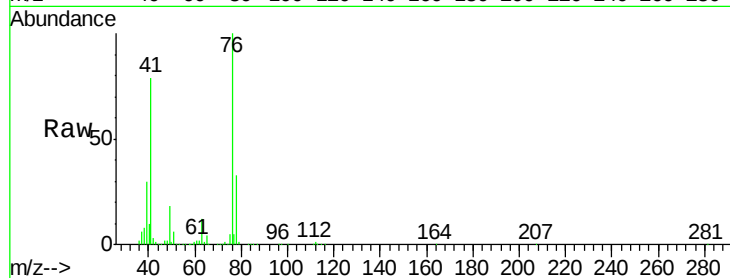
#57
 1,3-Dichloropropane
 Concen: 56.591 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

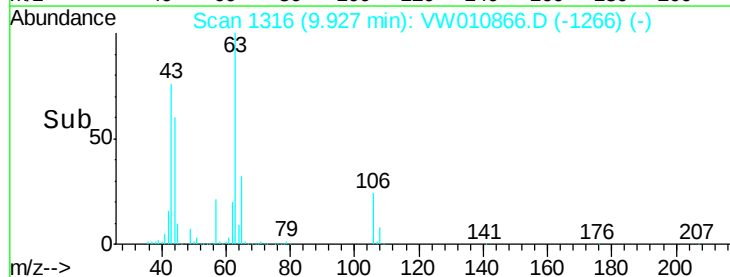
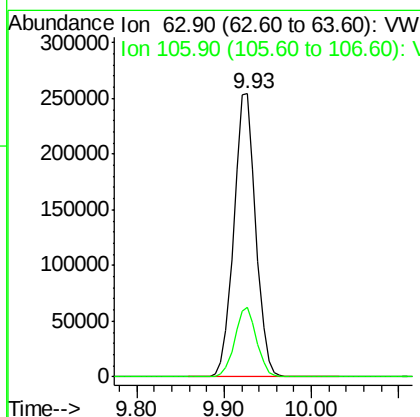
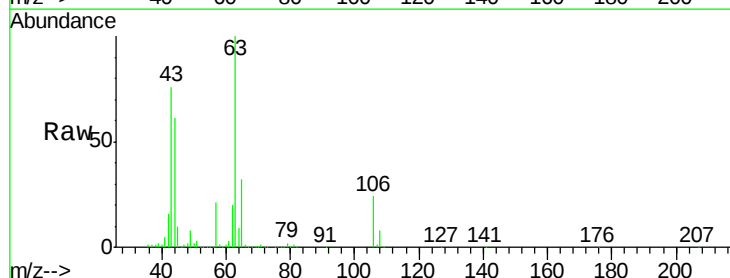
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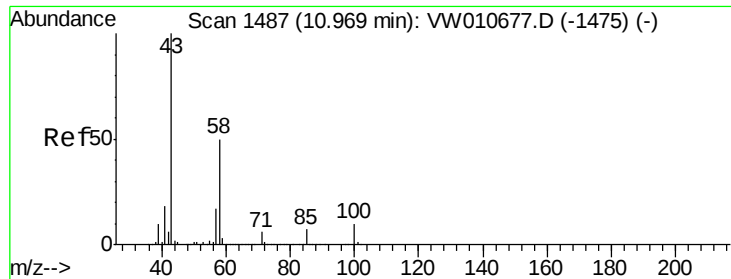
MMDadoda
 6/20/2019 12:00:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.235 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	20.1	30.1





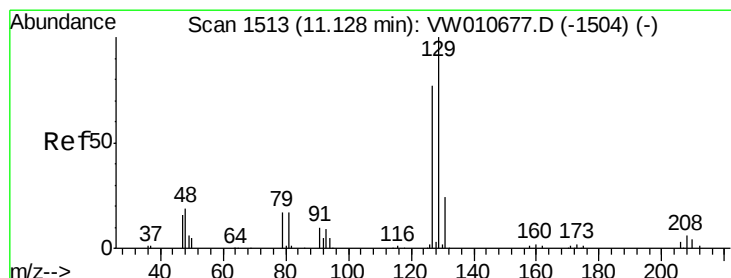
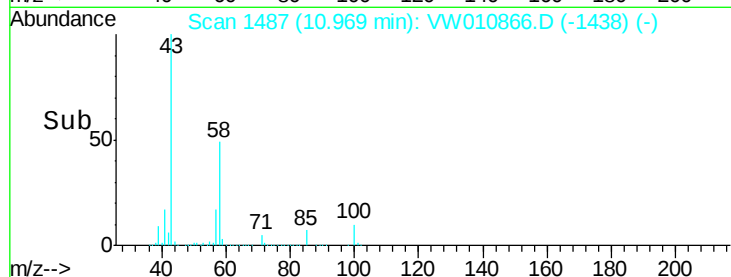
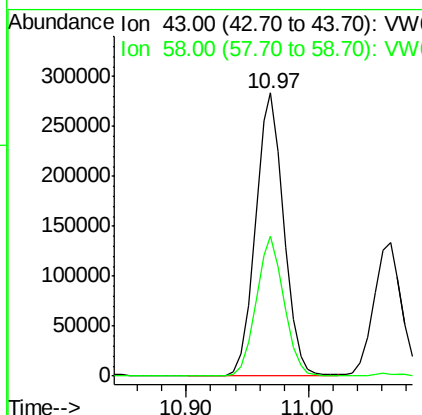
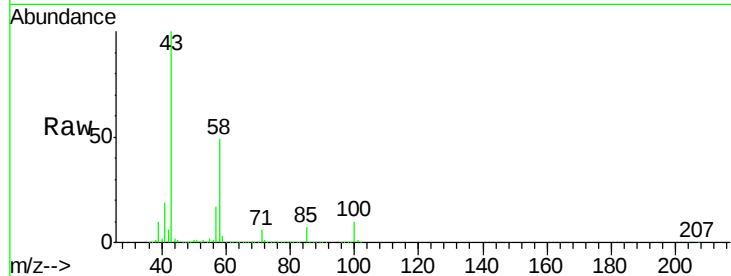
#59
2-Hexanone
Concen: 295.907 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 455358
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6

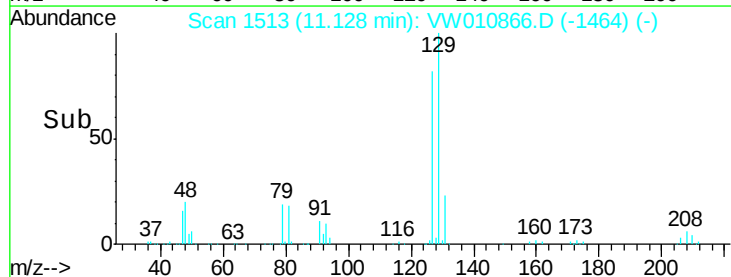
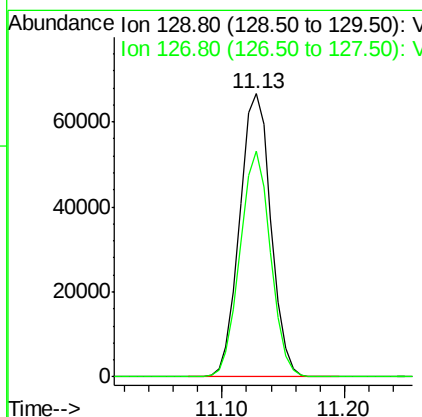
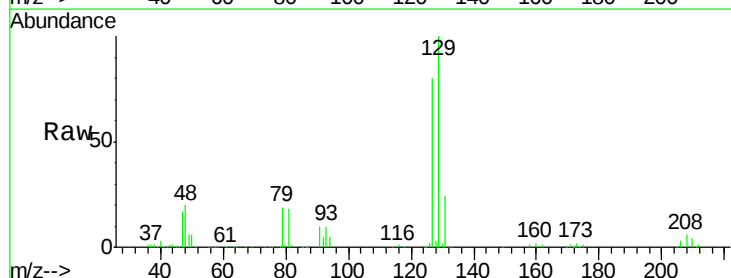
Manual Integrations
APPROVED

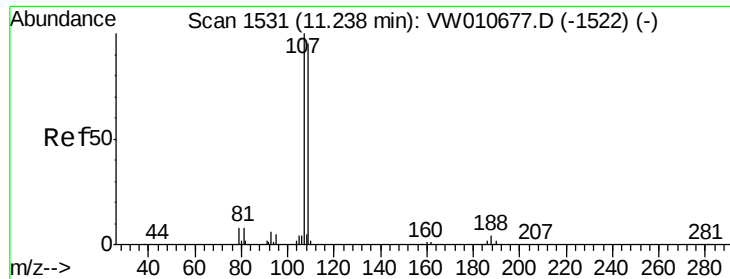
MMDadoda
6/20/2019 12:00:22 PM



#60
Dibromochloromethane
Concen: 56.570 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion: 129 Resp: 117970
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





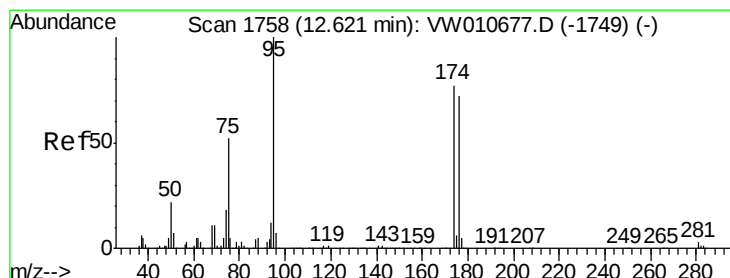
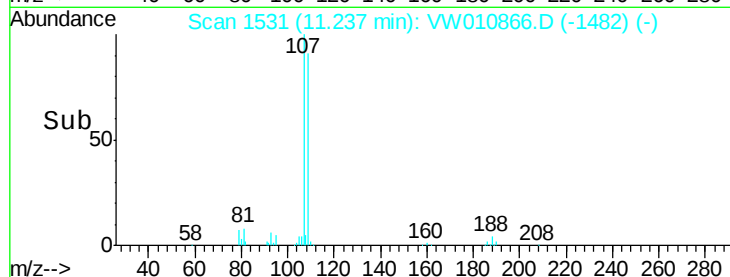
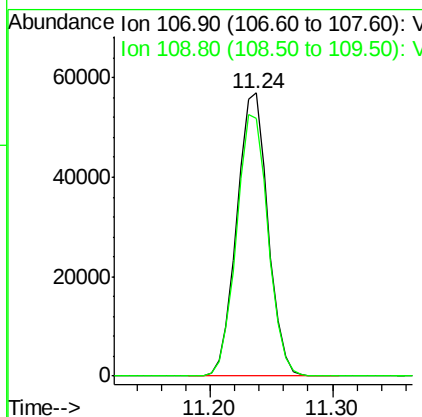
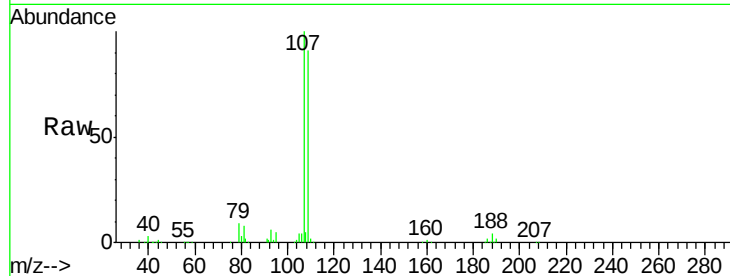
#61
 1,2-Dibromoethane
 Concen: 56.394 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	100515		
109	93.4	75.8	113.8	

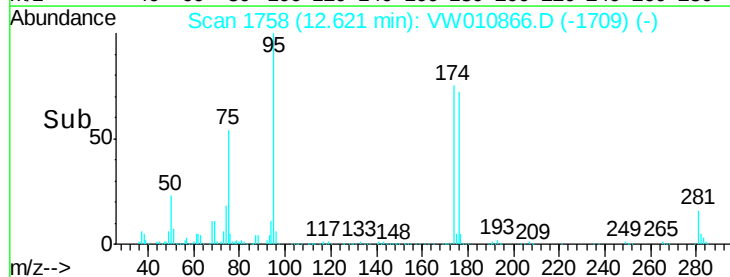
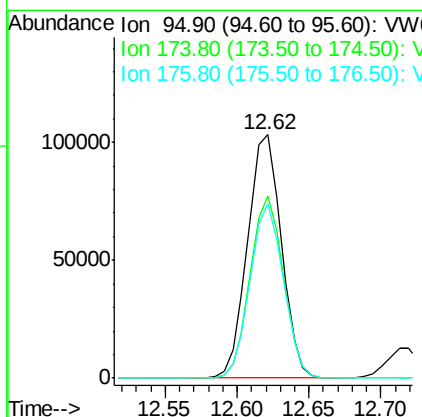
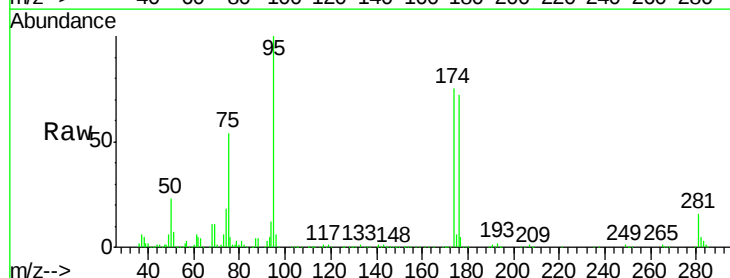
Manual Integrations
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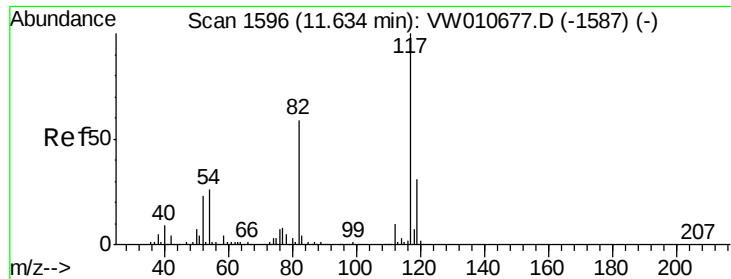
MMDadoda
 6/20/2019 12:00:22 PM



#62
 4-Bromofluorobenzene
 Concen: 50.908 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	167696		
174	73.3	0.0	150.4	
176	70.8	0.0	144.8	





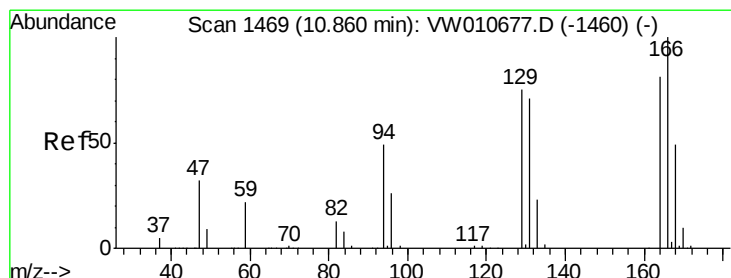
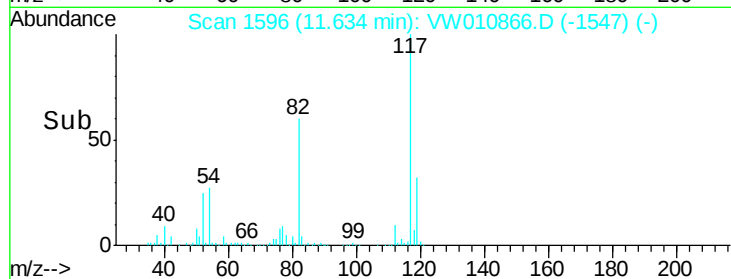
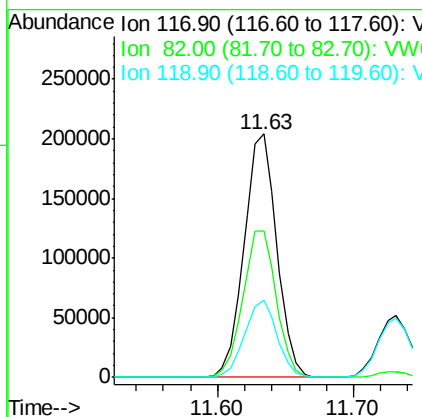
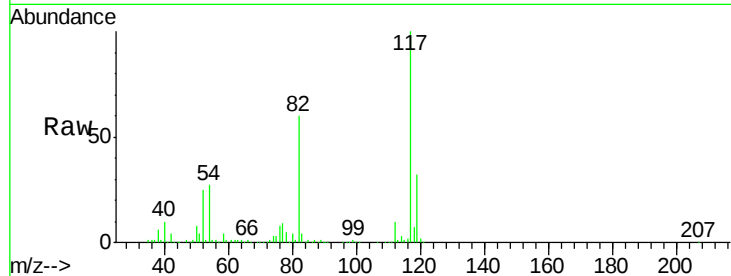
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	342470		
82	60.0	47.0	70.4	
119	31.8	25.1	37.7	

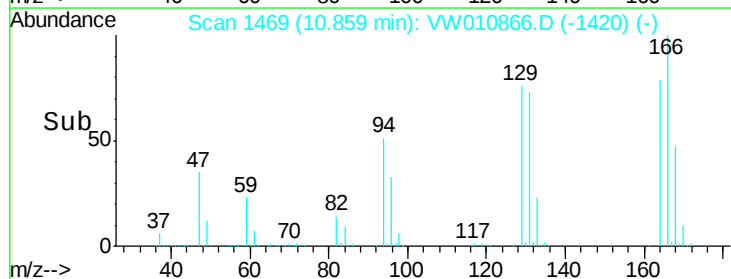
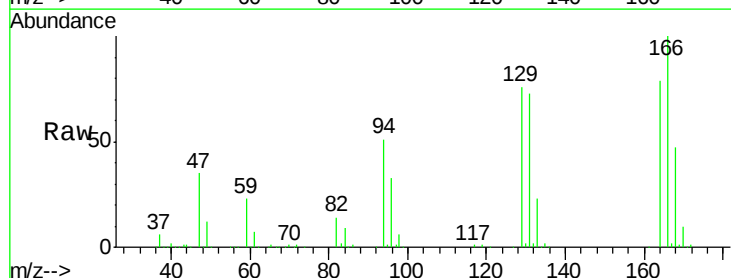
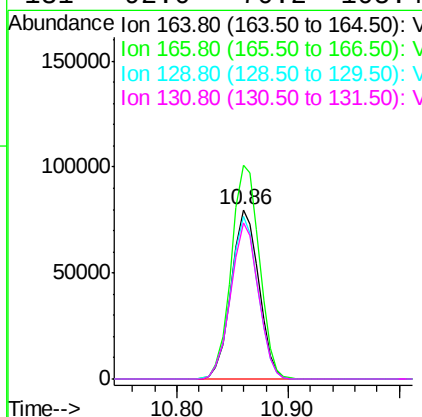
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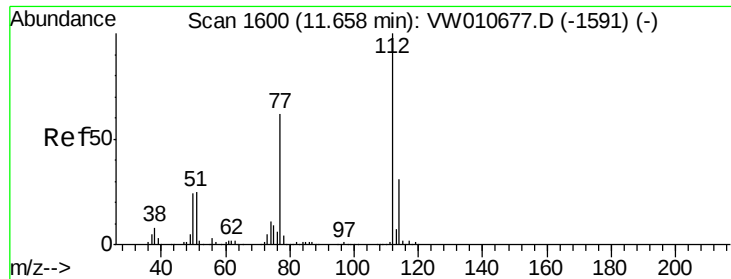
MMDadoda
6/20/2019 12:00:22 PM



#64
Tetrachloroethene
Concen: 60.150 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136772		
166	126.1	99.2	148.8	
129	96.4	74.6	112.0	
131	92.0	70.2	105.4	





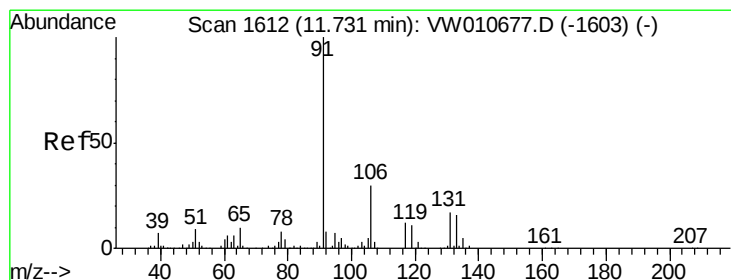
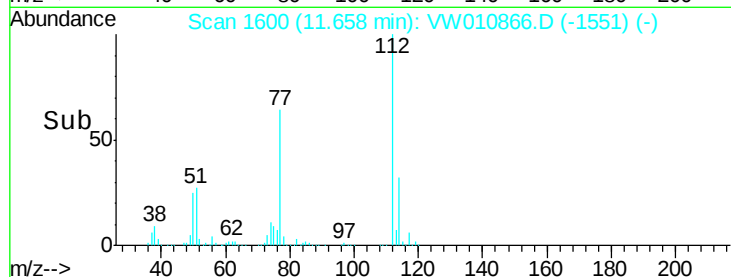
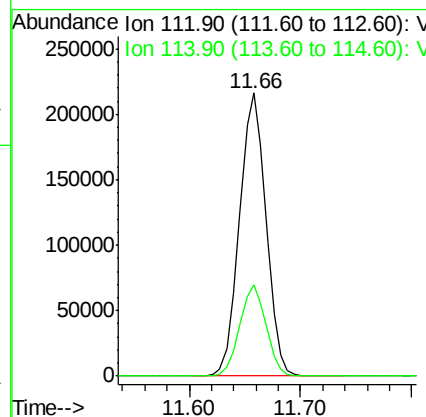
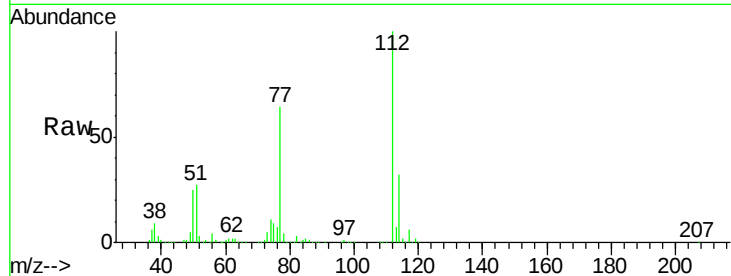
#65
Chlorobenzene
Concen: 52.930 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 356463
Ion Ratio Lower Upper
112 100
114 32.3 24.8 37.2

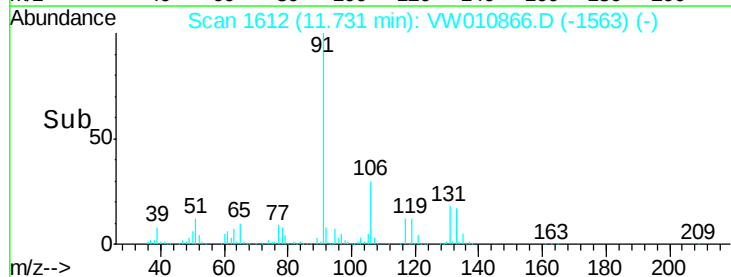
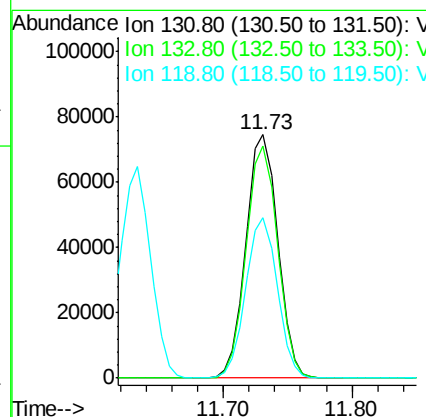
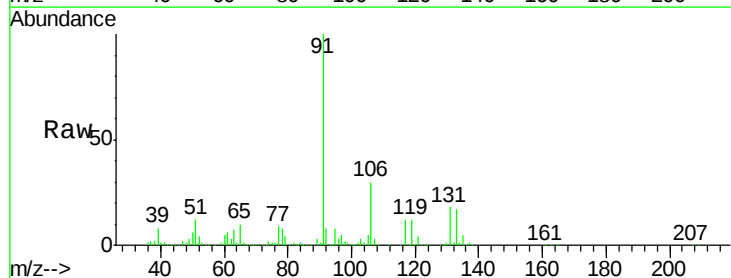
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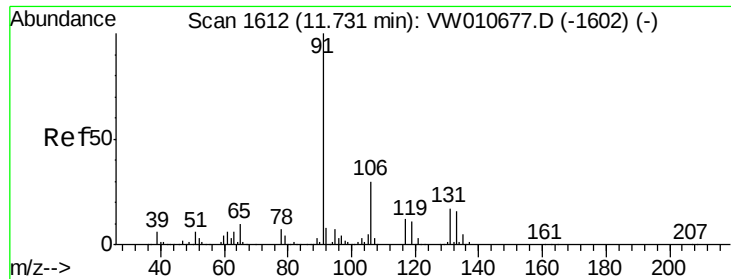
MMDadoda
6/20/2019 12:00:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.794 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion:131 Resp: 127742
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 65.3 32.4 97.0





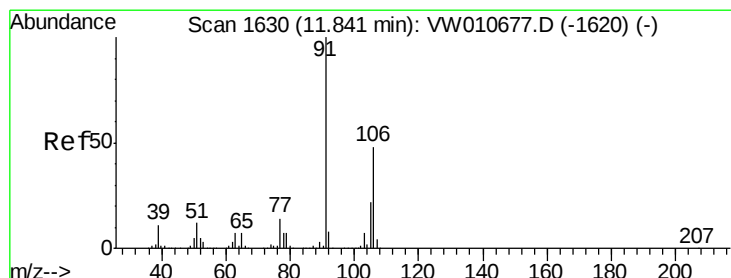
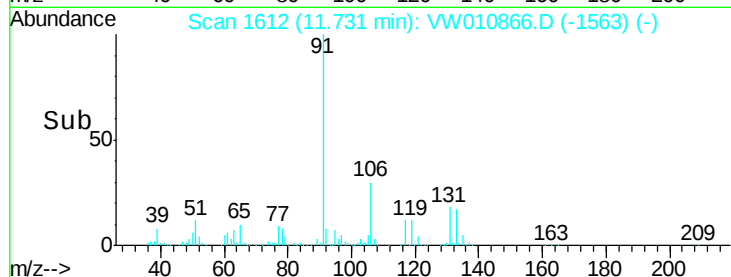
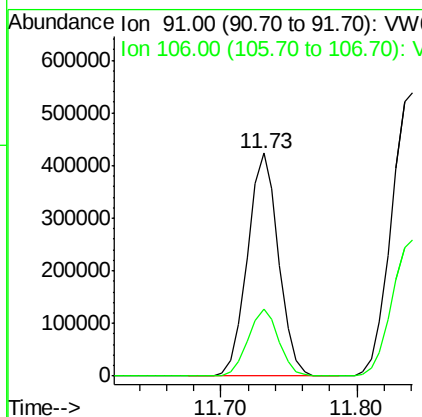
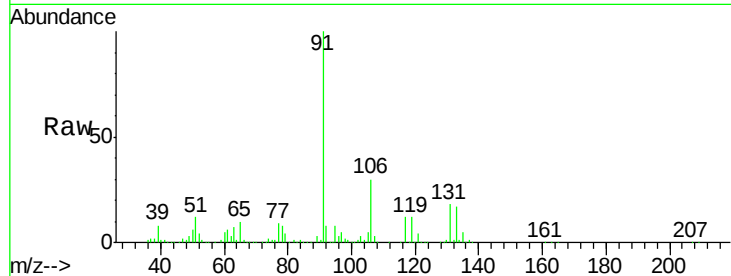
#67
Ethyl Benzene
Concen: 52.186 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 675441
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.4

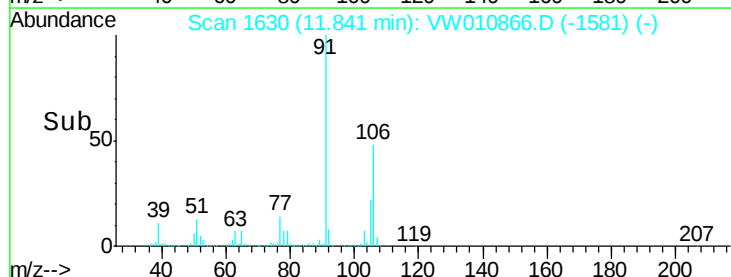
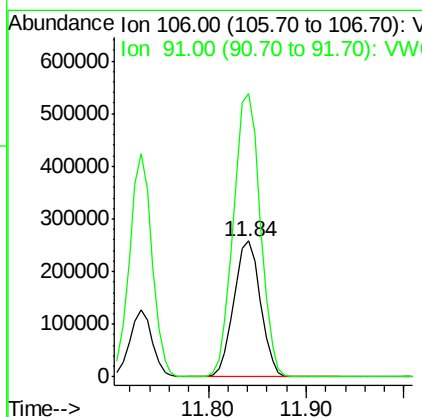
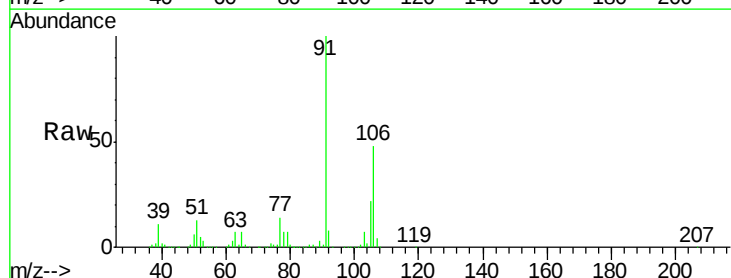
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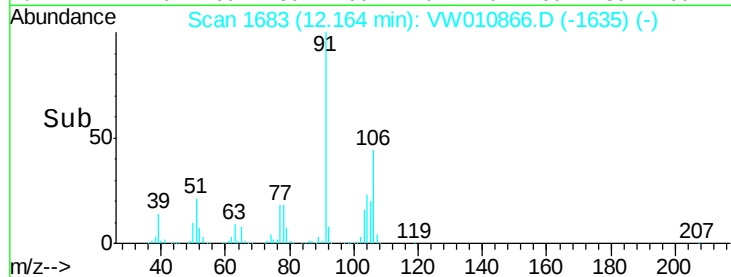
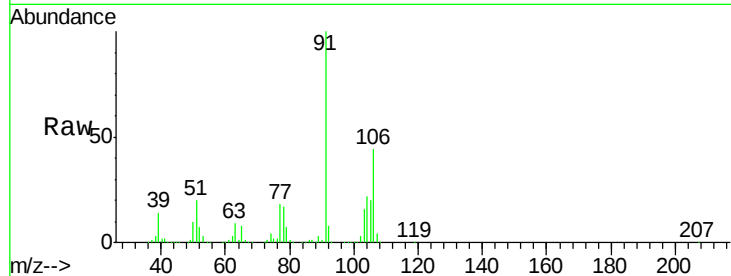
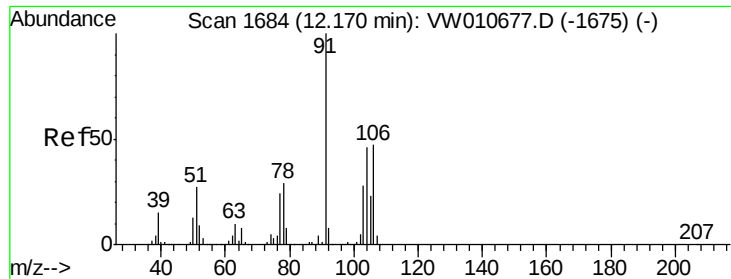
MMDadoda
6/20/2019 12:00:22 PM



#68
m/p-Xylenes
Concen: 105.517 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion: 106 Resp: 488884
Ion Ratio Lower Upper
106 100
91 210.2 166.5 249.7





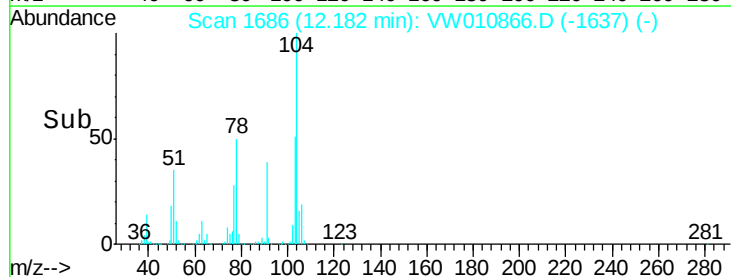
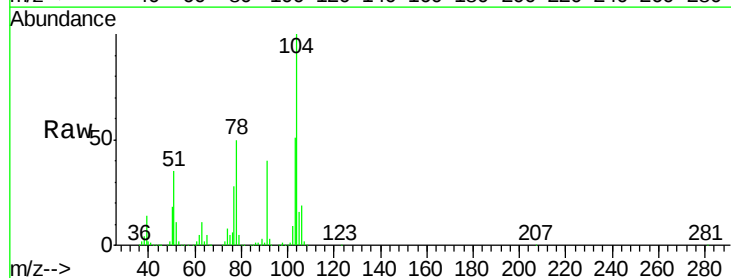
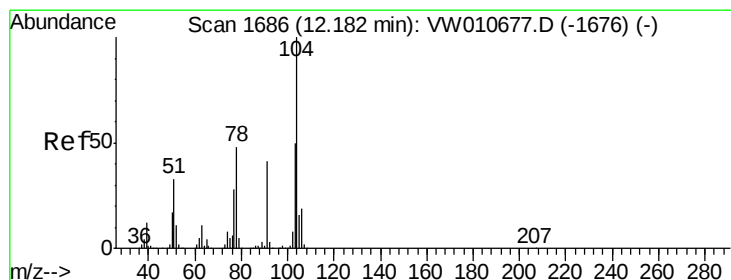
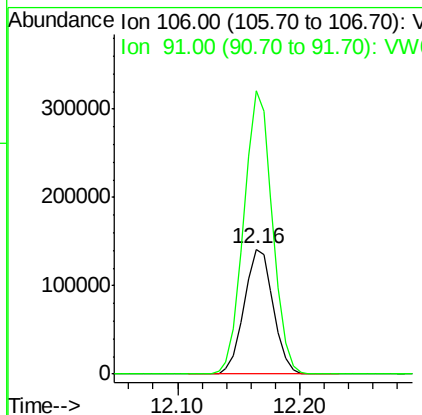
#69
o-Xylene
Concen: 52.889 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	232408		
91	222.8	108.9	326.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

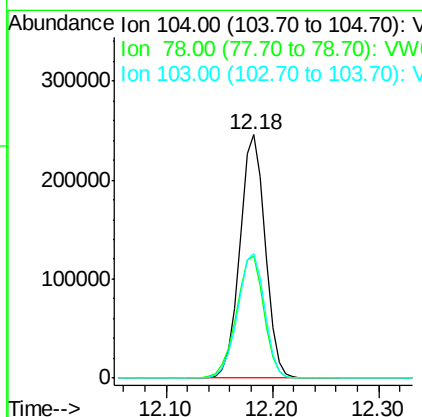
Manual Integrations
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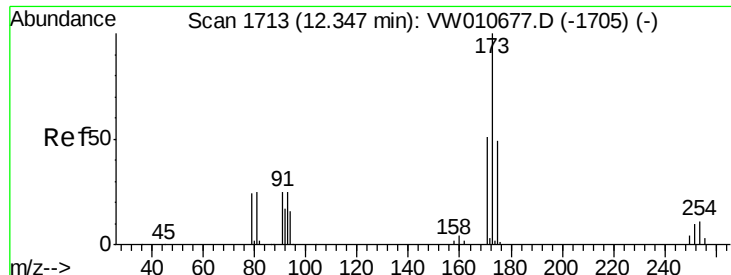
MMDadoda
6/20/2019 12:00:22 PM



#70
Styrene
Concen: 53.767 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	410425		
78	54.6	42.7	64.1	
103	54.9	43.6	65.4	





#71

Bromoform

Concen: 55.144 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 66487

Ion Ratio Lower Upper

173 100

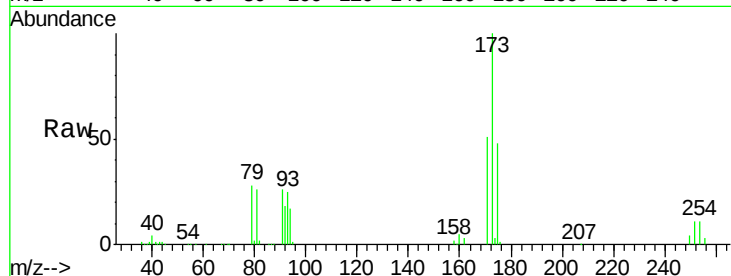
175 47.6 24.3 72.8

254 0.0 0.1 0.1#

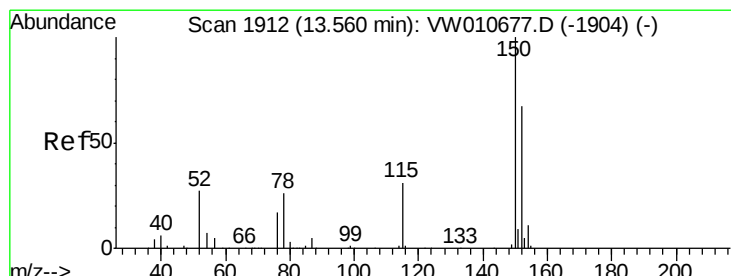
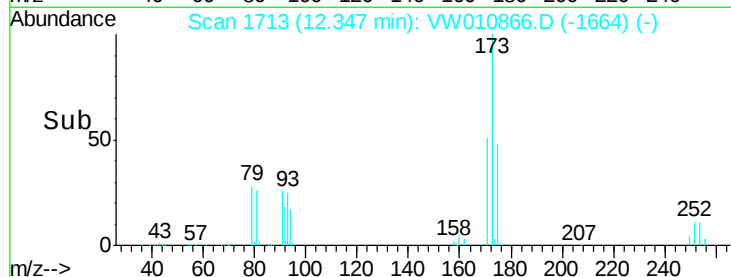
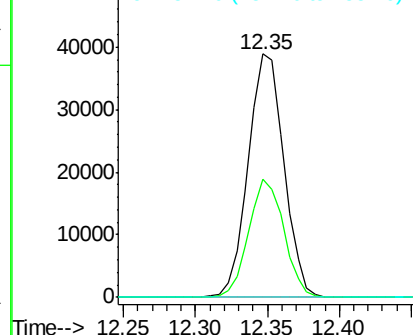
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

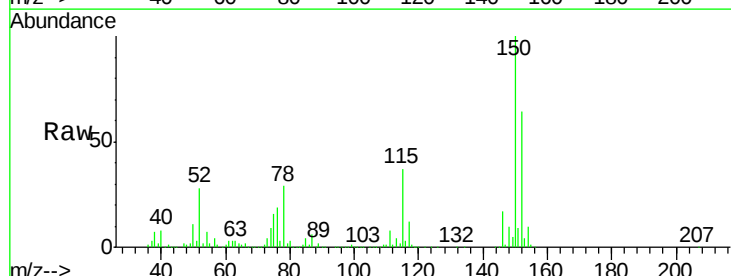
Tgt Ion:152 Resp: 168308

Ion Ratio Lower Upper

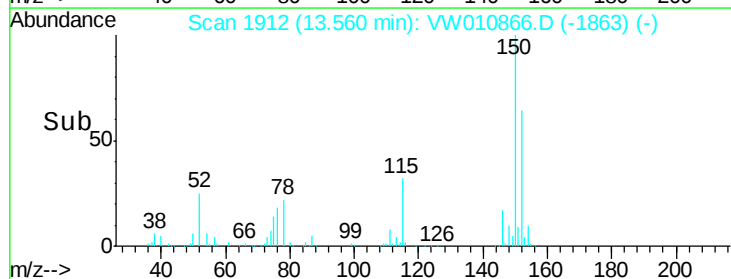
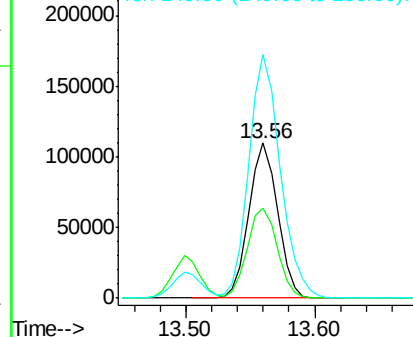
152 100

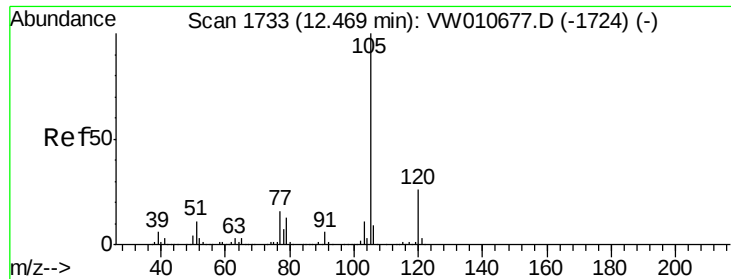
115 60.2 29.8 89.3

150 172.4 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.943 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 631670

Ion Ratio Lower Upper

105 100

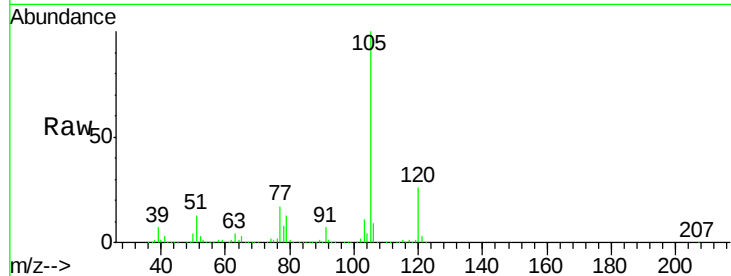
120 25.9 13.1 39.1

Manual Integrations

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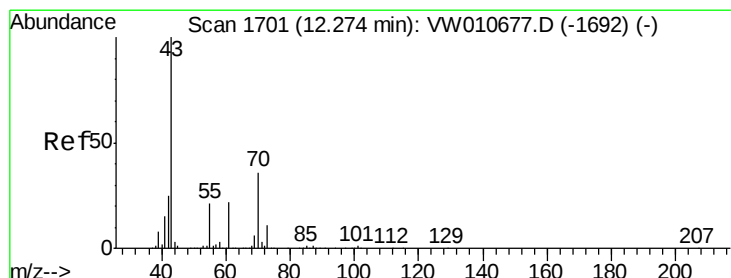
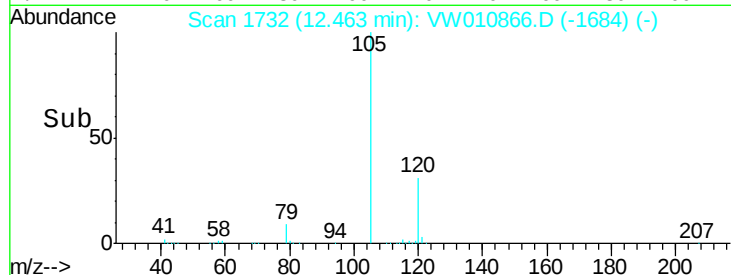
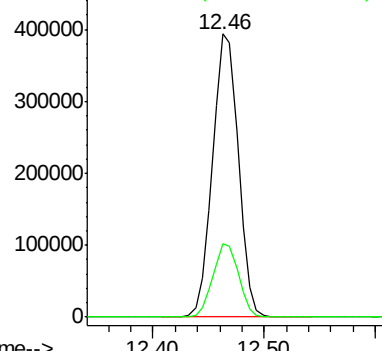
MMDadoda

6/20/2019 12:00:22 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.207 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion: 43 Resp: 233837

Ion Ratio Lower Upper

43 100

70 35.7 29.2 43.8

55 21.9 17.5 26.3

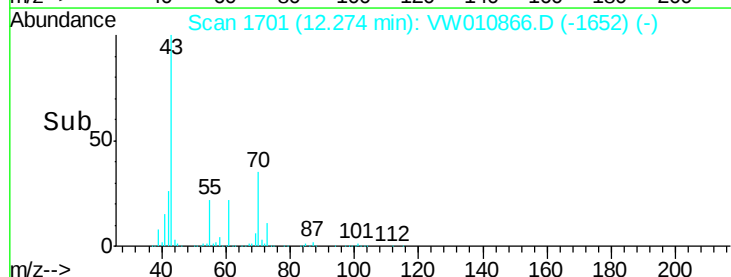
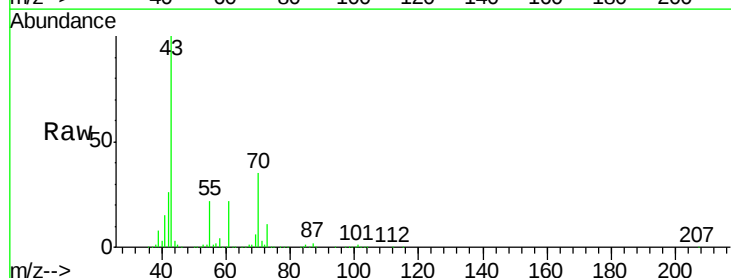
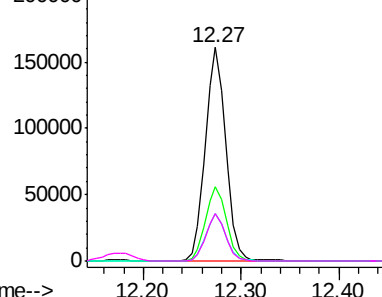
61 21.4 17.4 26.2

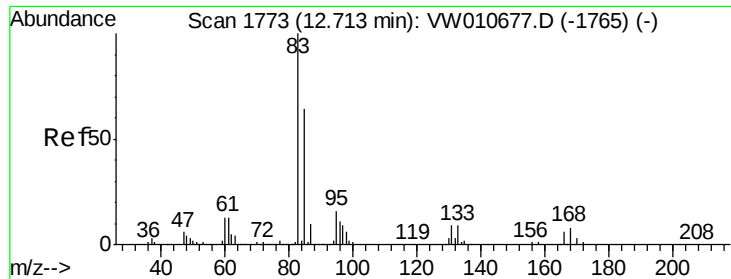
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 53.787 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

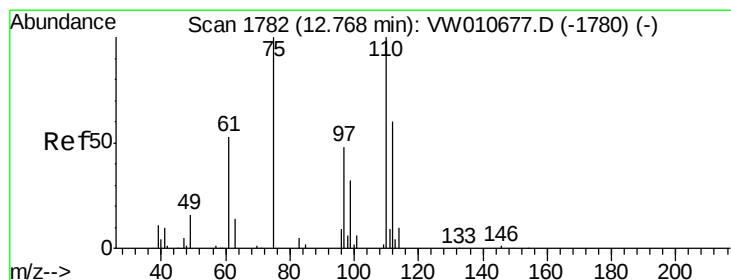
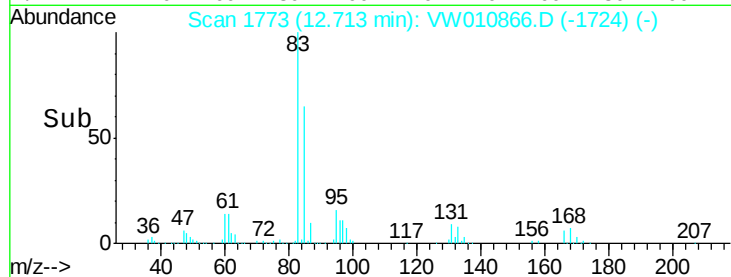
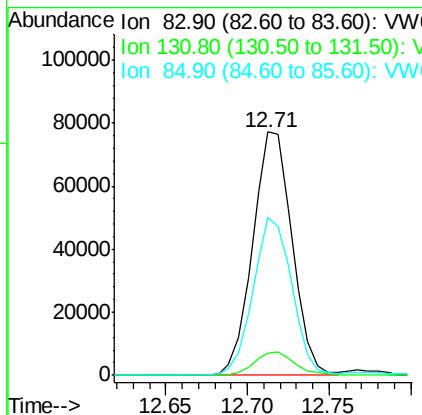
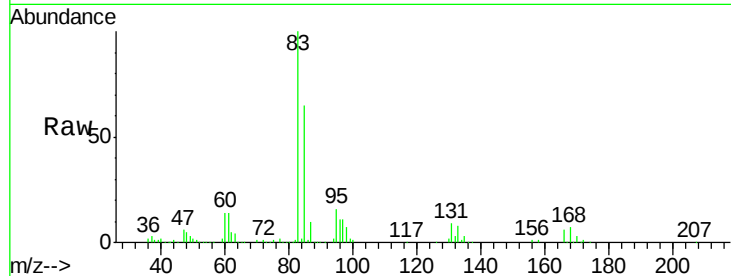
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	129507
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.137 ug/l m

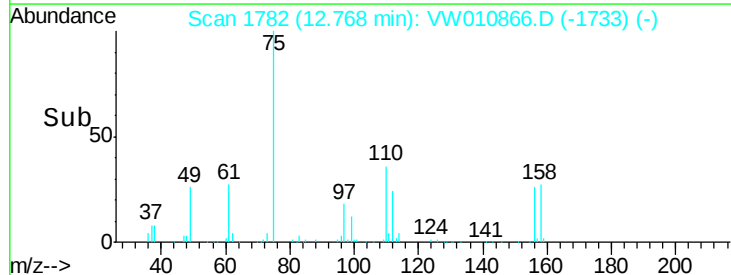
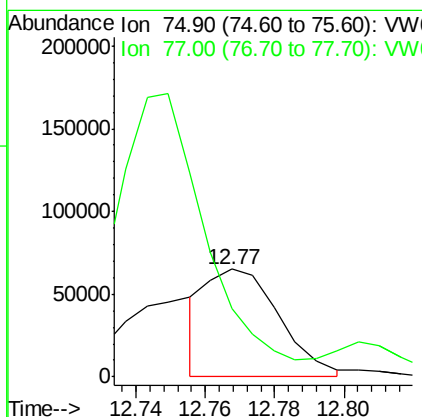
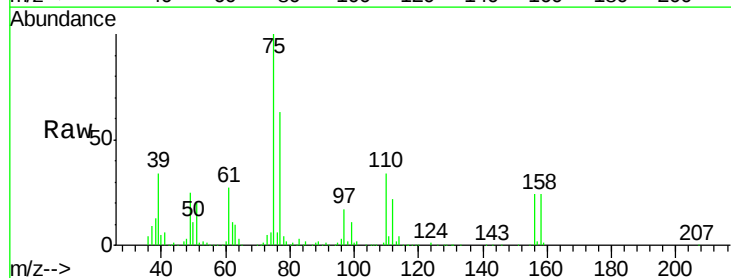
RT: 12.77 min Scan# 1782

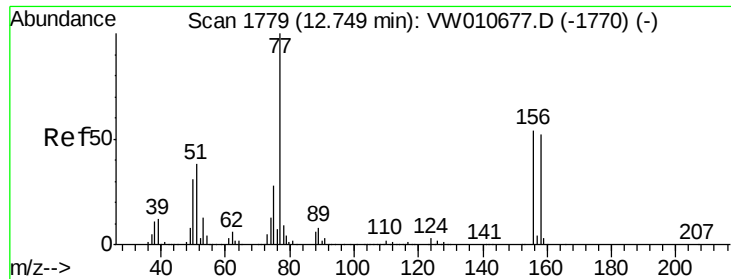
Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion:	75	Resp:	95686
Ion Ratio	Lower	Upper	
75	100		
77	327.4	0.0	0.0#





#77

Bromobenzene

Concen: 51.901 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 143289

Ion Ratio Lower Upper

156 100

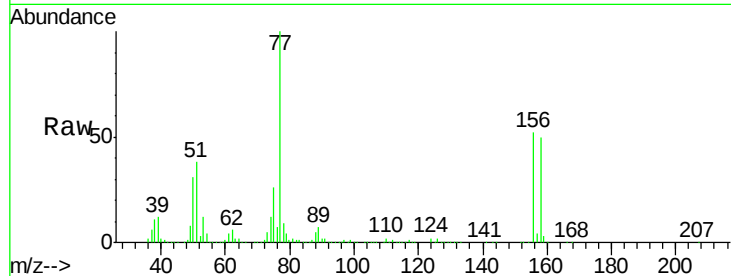
77 218.6 106.5 319.4

158 96.6 48.3 144.9

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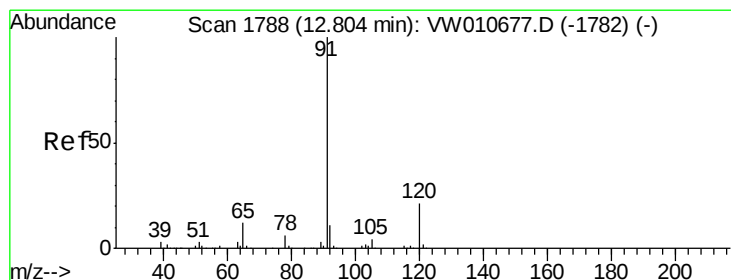
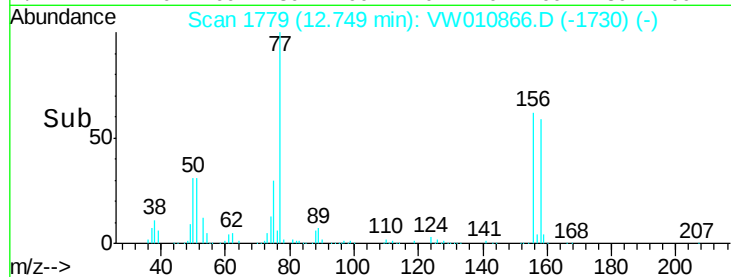
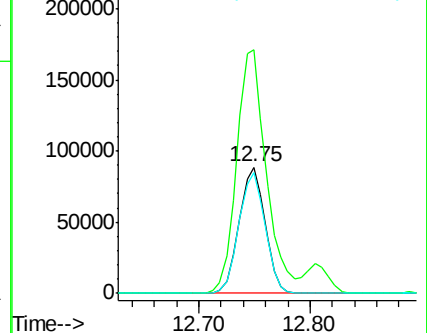
6/20/2019 12:00:22 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.540 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010866.D

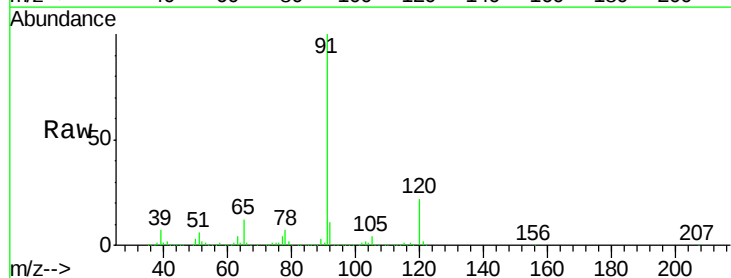
Acq: 20 Jun 2019 00:01

Tgt Ion: 91 Resp: 770766

Ion Ratio Lower Upper

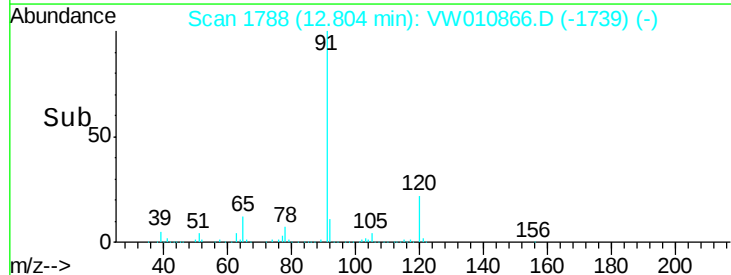
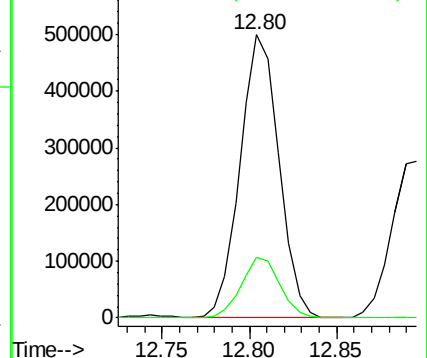
91 100

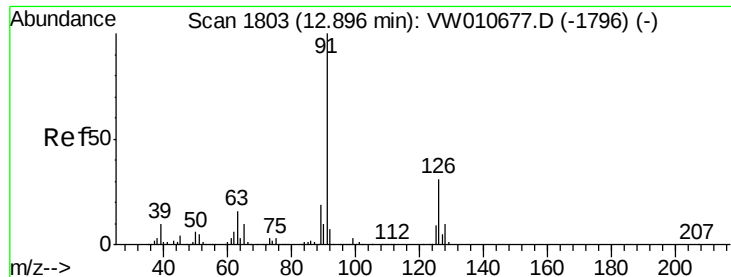
120 21.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.821 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 451514

Ion Ratio Lower Upper

91 100

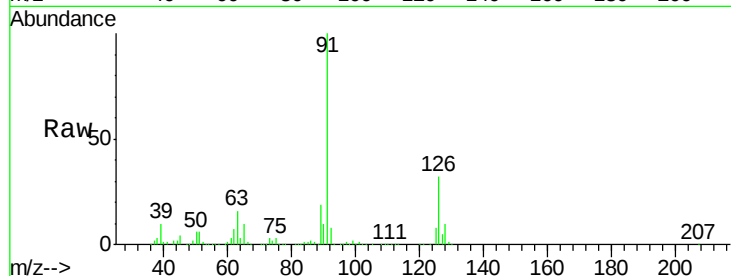
126 31.2 15.7 47.0

Manual Integrations

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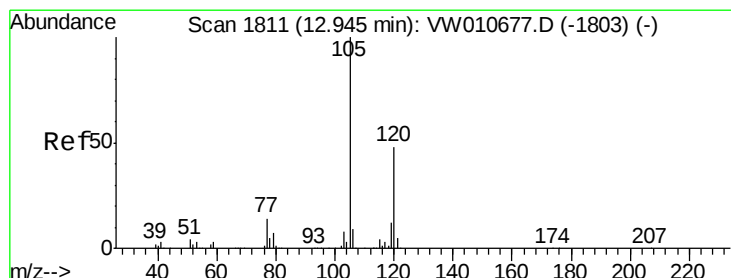
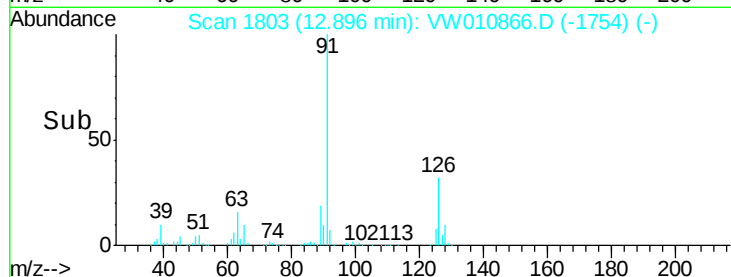
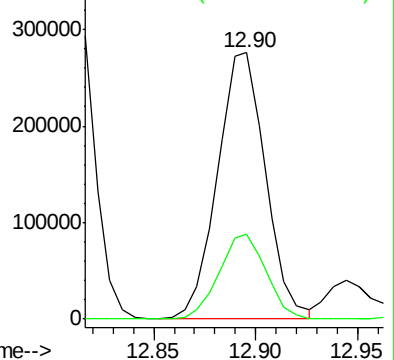
MMDadoda

6/20/2019 12:00:22 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.359 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010866.D

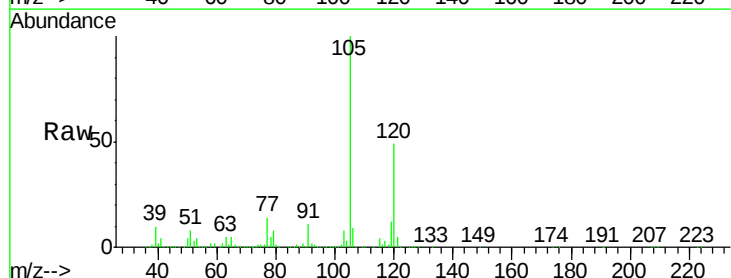
Acq: 20 Jun 2019 00:01

Tgt Ion: 105 Resp: 531684

Ion Ratio Lower Upper

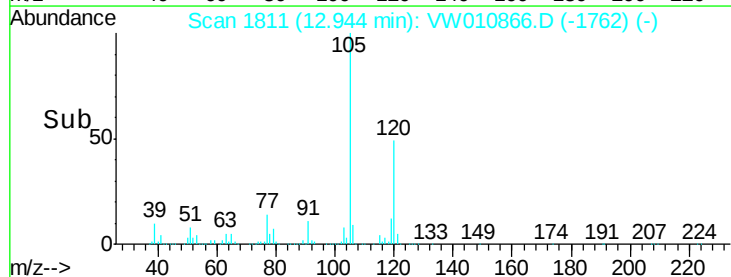
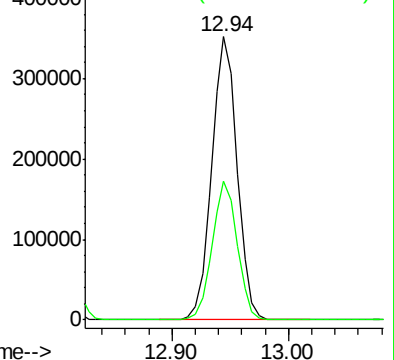
105 100

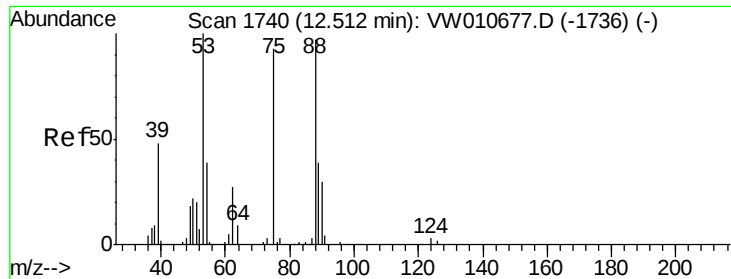
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.745 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

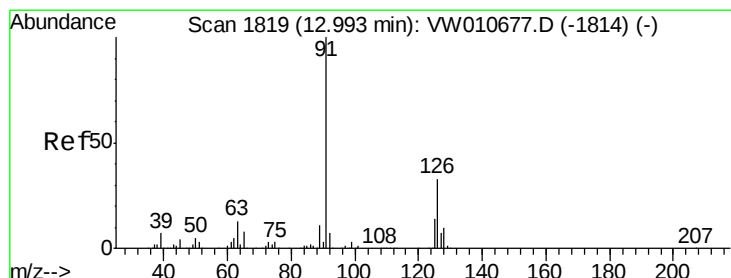
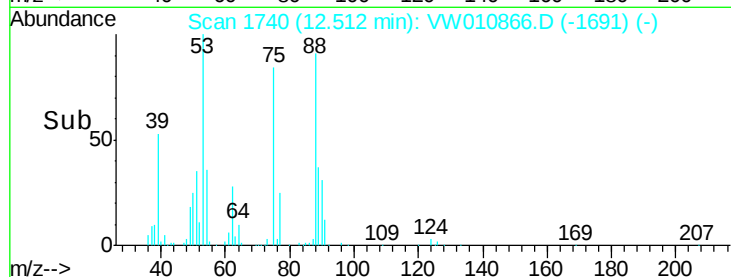
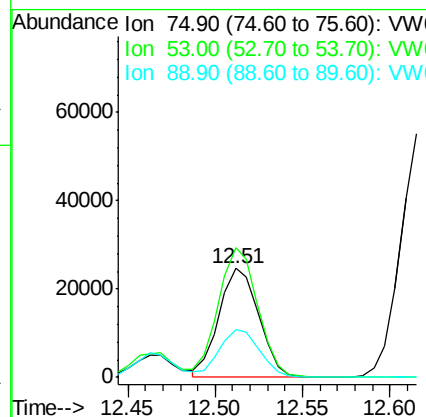
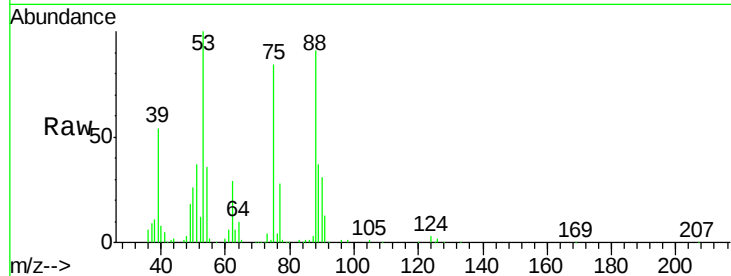
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	39024
Ion	Ratio	Lower	Upper
75	100		
53	119.5	90.1	135.1
89	44.4	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.293 ug/l

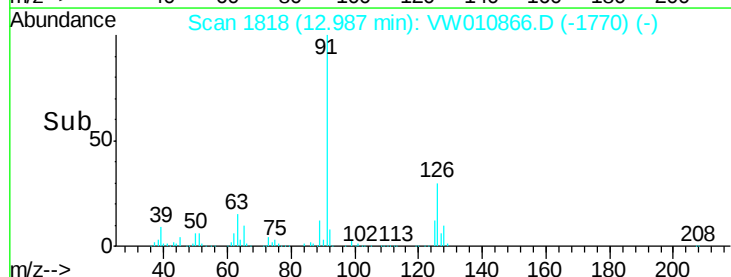
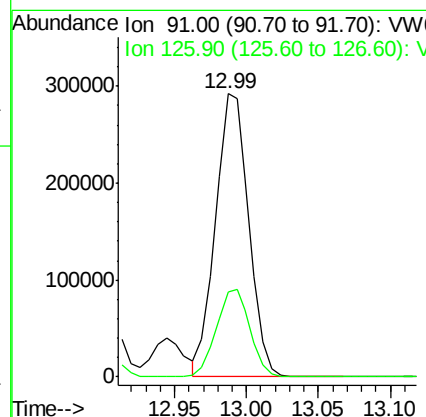
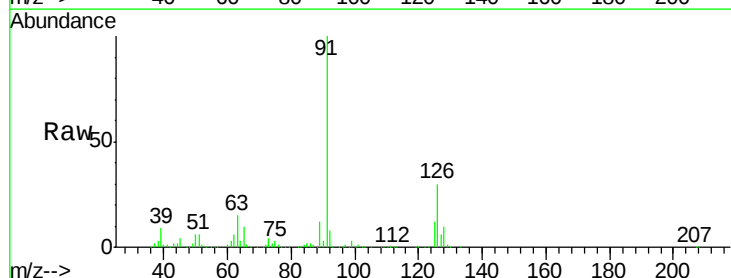
RT: 12.99 min Scan# 1818

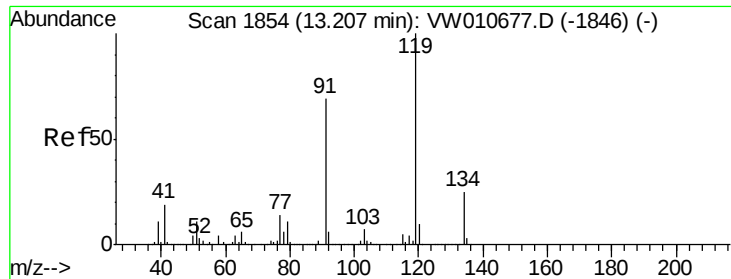
Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion:	91	Resp:	470182
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





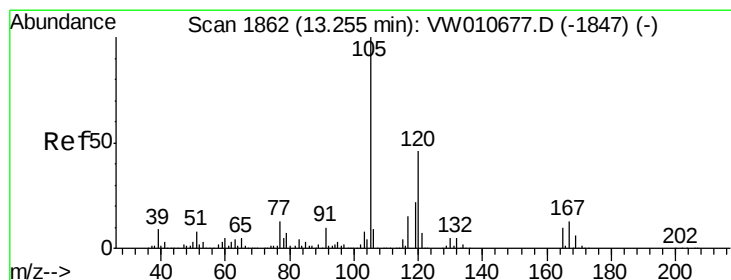
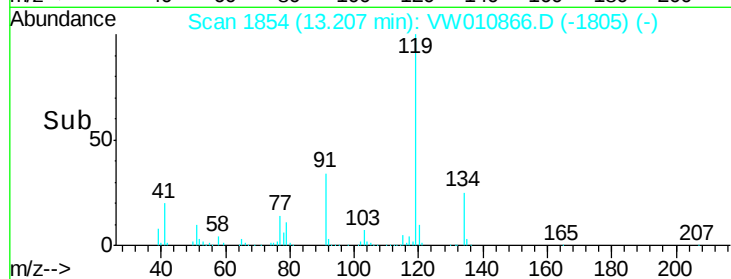
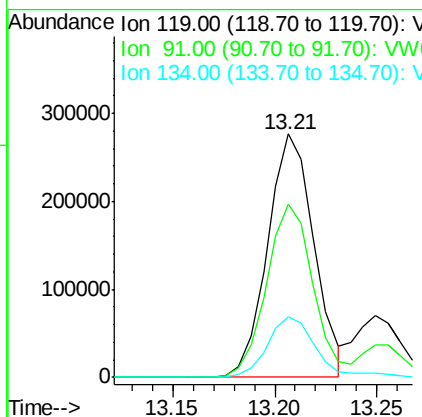
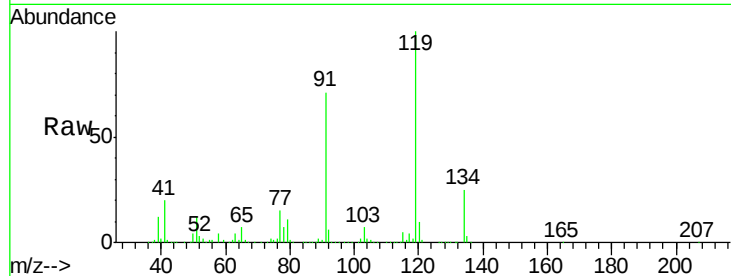
#83
tert-Butylbenzene
Concen: 49.836 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.6	35.1	105.3
134	26.3	13.6	40.7

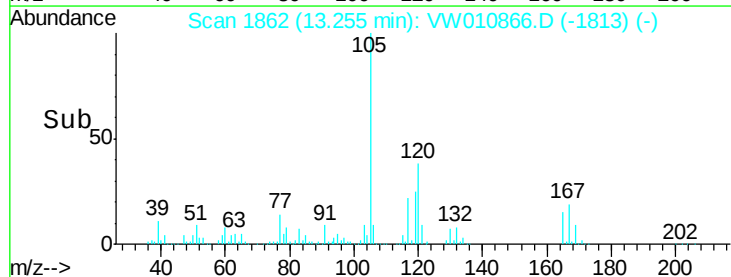
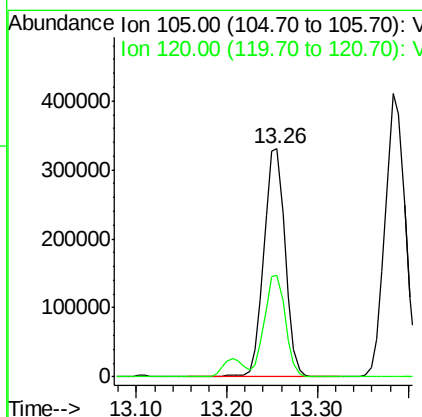
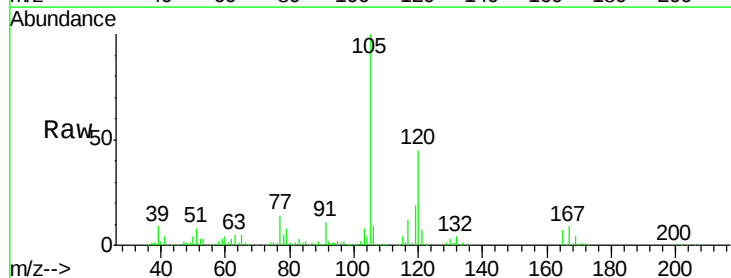
Manual Integrations
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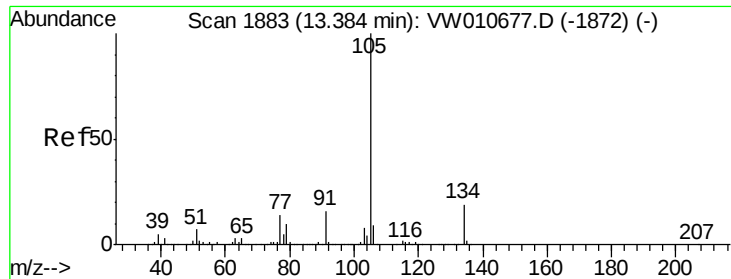
MMDadoda
6/20/2019 12:00:22 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.580 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.5	67.5





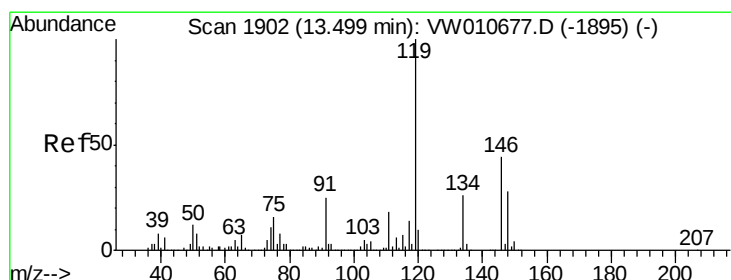
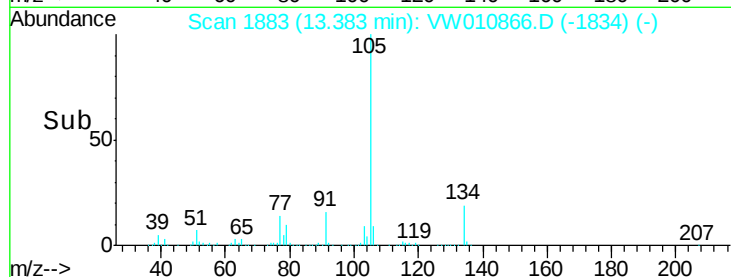
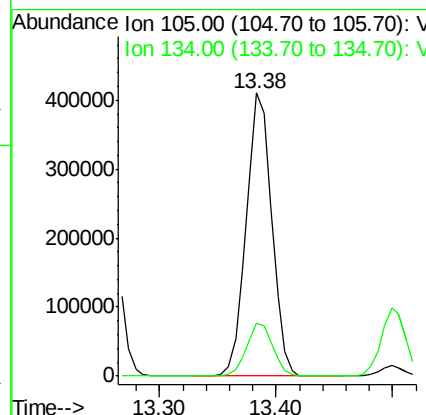
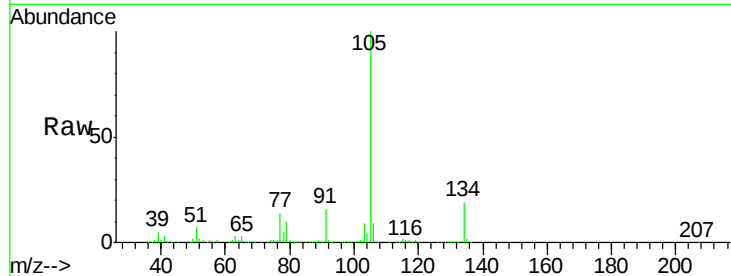
#85
 sec-Butylbenzene
 Concen: 49.319 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	28.9

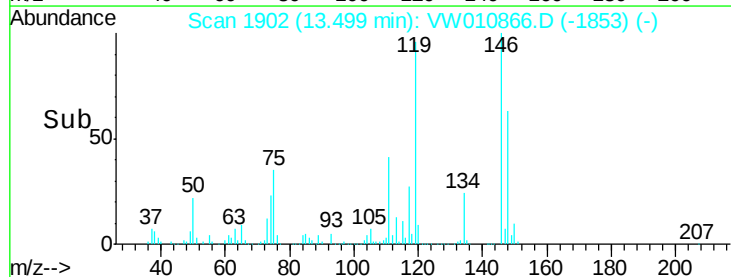
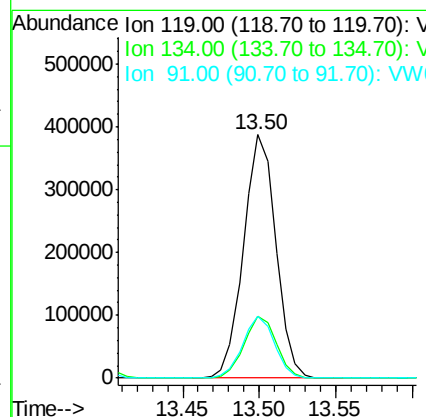
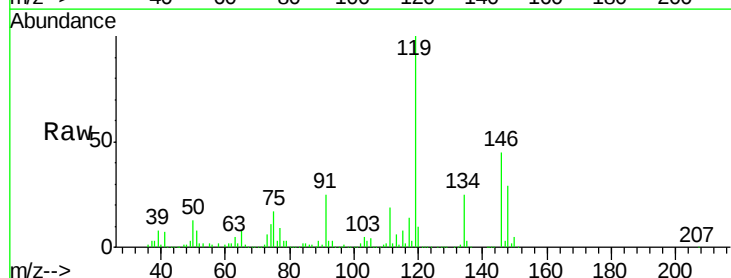
Manual Integrations
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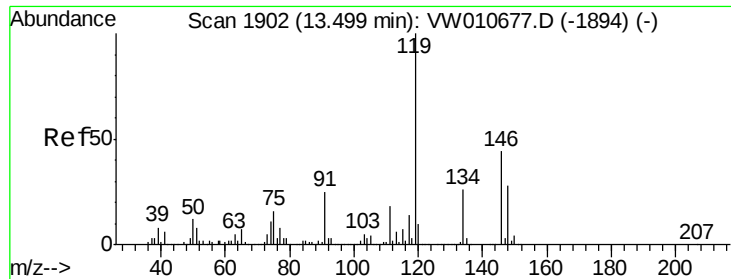
MMDadoda
 6/20/2019 12:00:22 PM



#86
 p-Isopropyltoluene
 Concen: 49.677 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	24.9	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 51.878 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

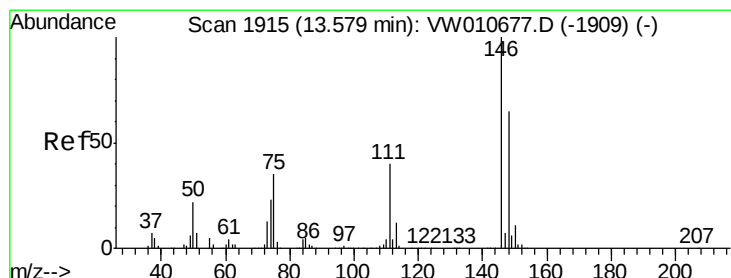
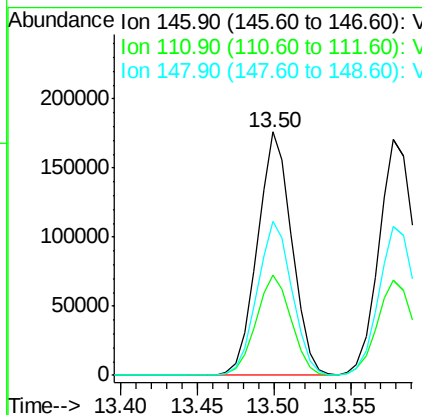
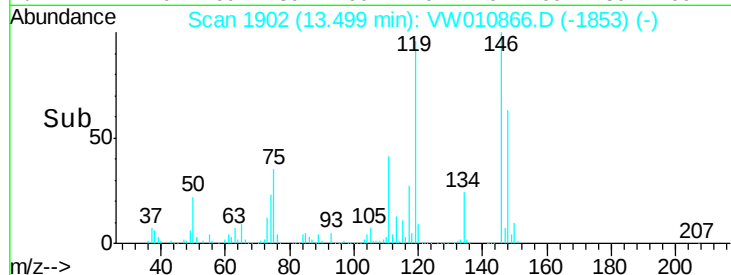
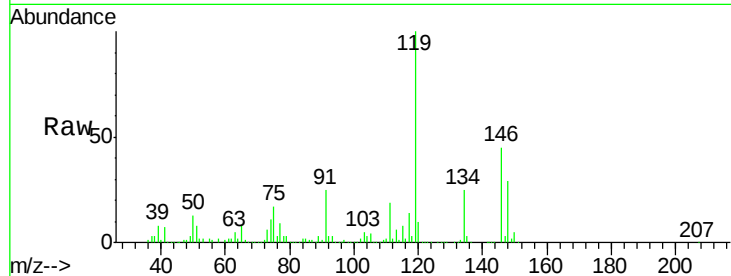
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	276199
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.4	61.3
148	64.0	31.5	94.5

Manual Integrations
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6/20/2019 12:00:22 PM



#88

1,4-Dichlorobenzene

Concen: 52.031 ug/l

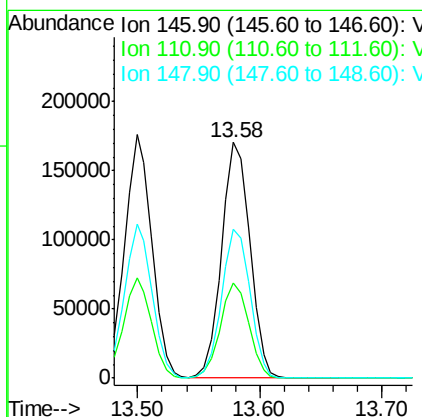
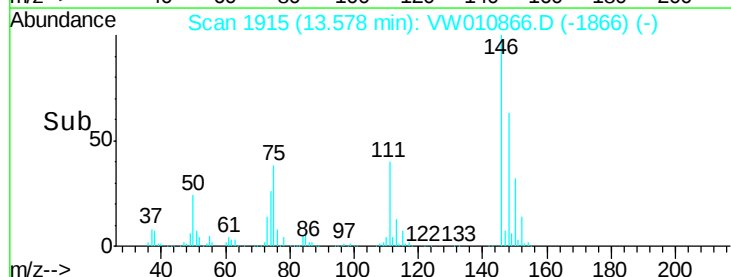
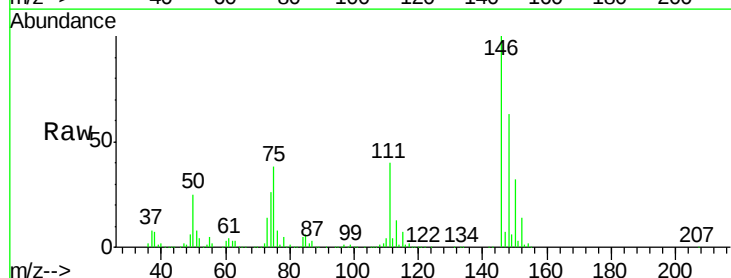
RT: 13.58 min Scan# 1915

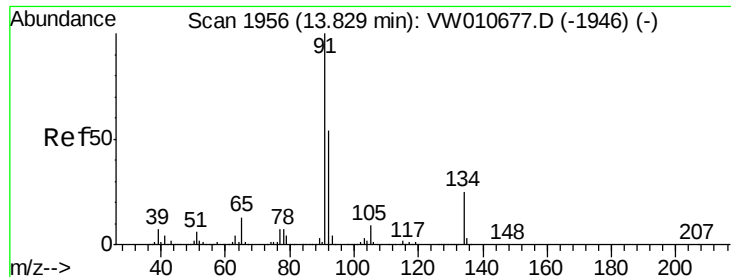
Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion:	146	Resp:	274628
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.3	60.9
148	63.3	32.4	97.2





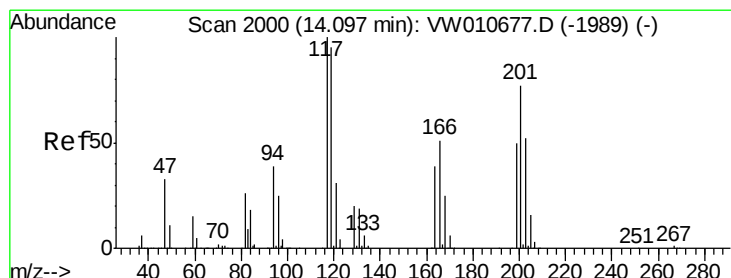
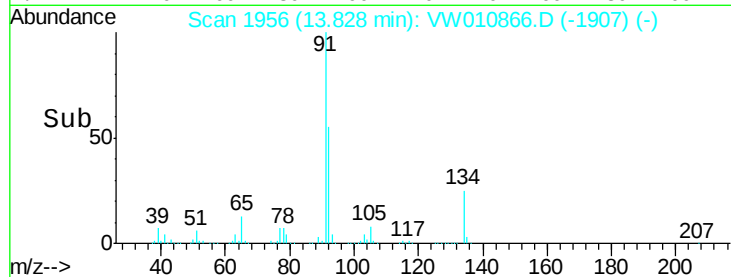
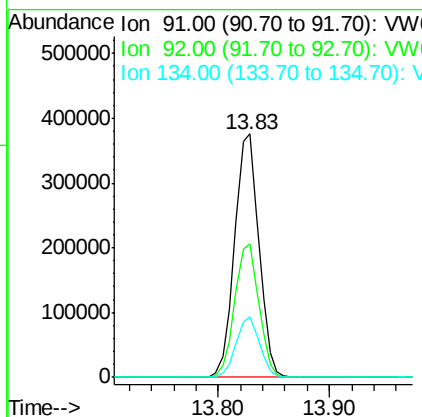
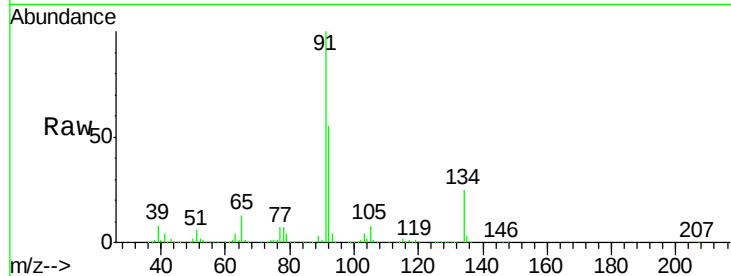
#89
n-Butylbenzene
Concen: 49.536 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.3	81.8
134	24.3	12.3	36.9

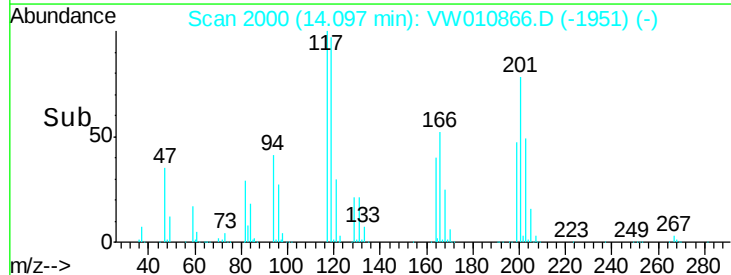
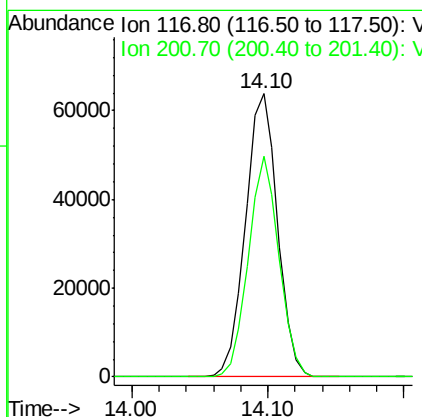
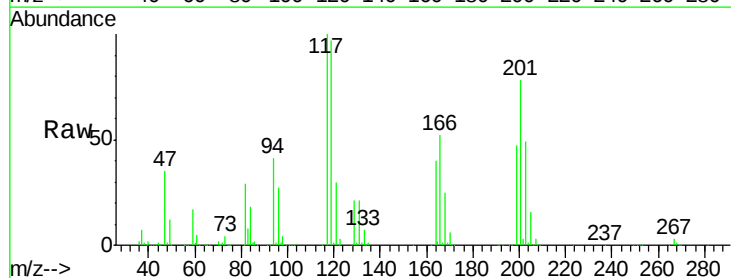
Manual Integrations
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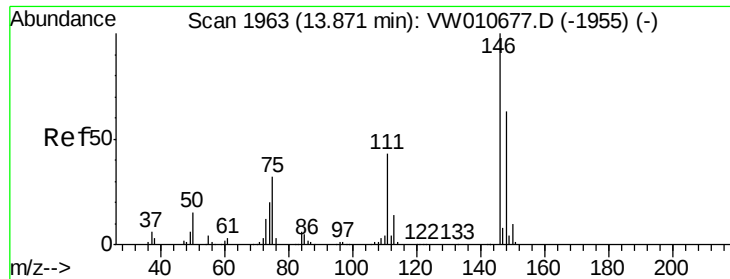
MMDadoda
6/20/2019 12:00:22 PM



#90
Hexachloroethane
Concen: 51.414 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	38.8	116.4





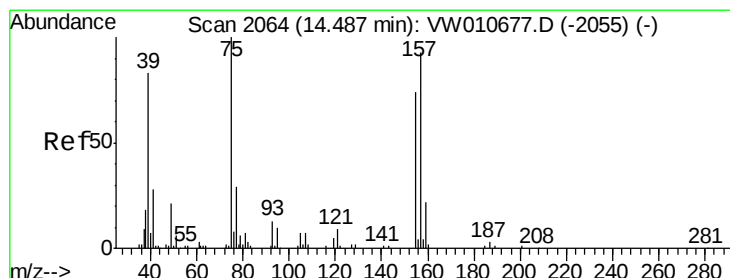
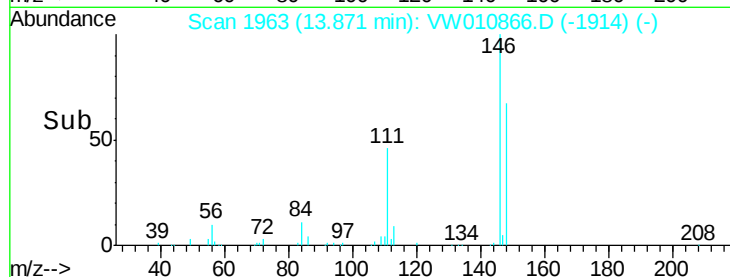
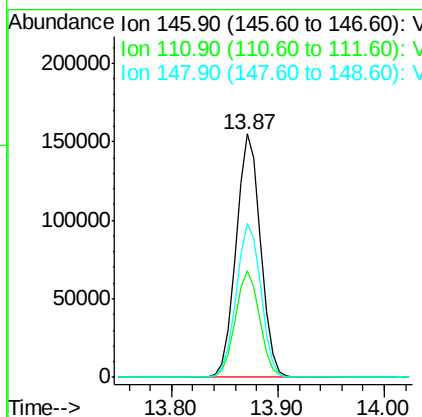
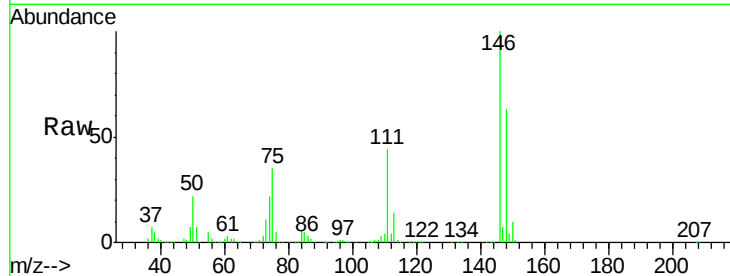
#91
 1,2-Dichlorobenzene
 Concen: 52.160 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	249739		
111	43.4		21.5	64.5
148	64.1		31.9	95.5

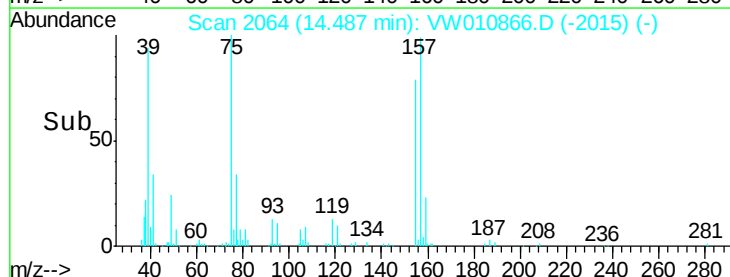
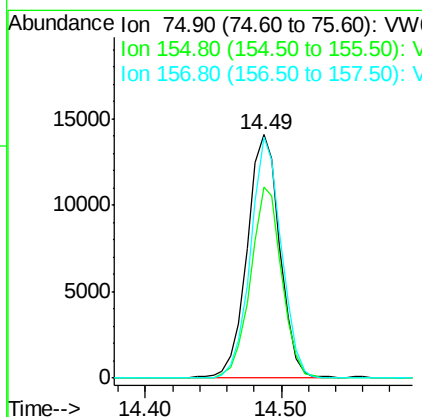
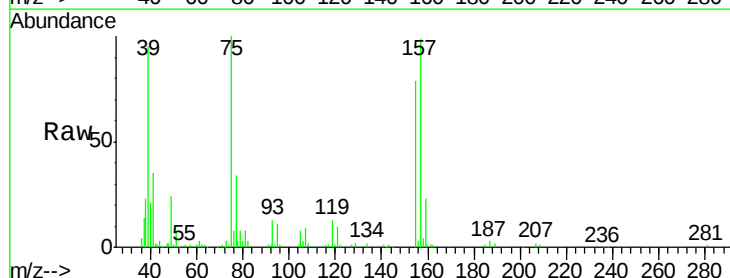
Manual Integrations
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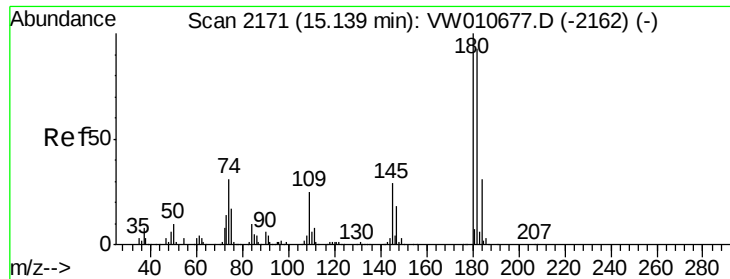
MMDadoda
 6/20/2019 12:00:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.274 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23681		
155	75.0		38.8	116.4
157	93.0		48.4	145.0





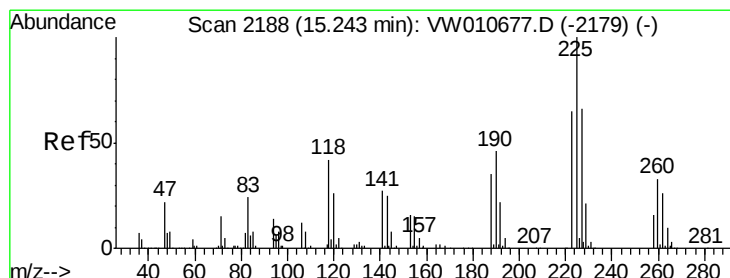
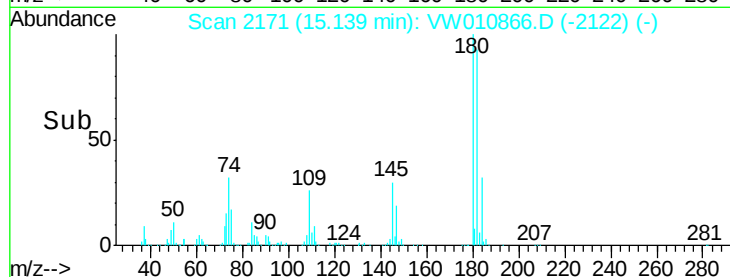
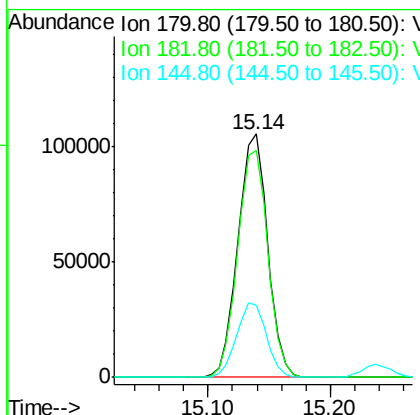
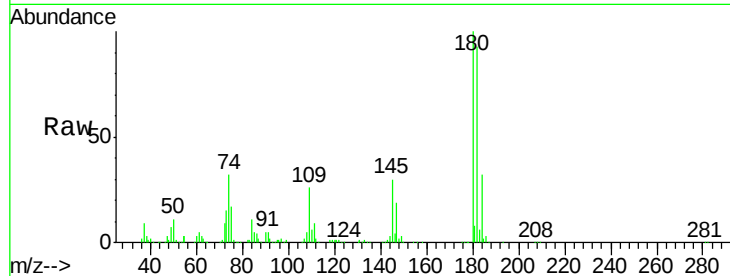
#93
 1,2,4-Trichlorobenzene
 Concen: 52.692 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	177040		
182	95.1	47.1	141.4	
145	30.7	15.2	45.5	

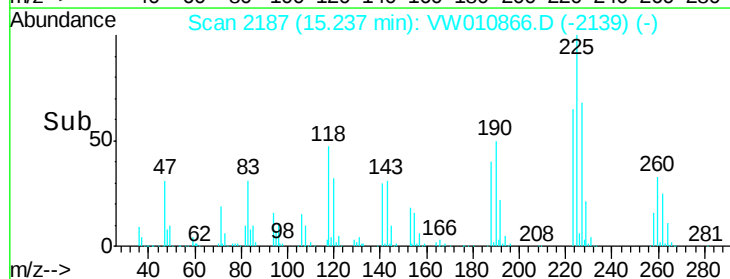
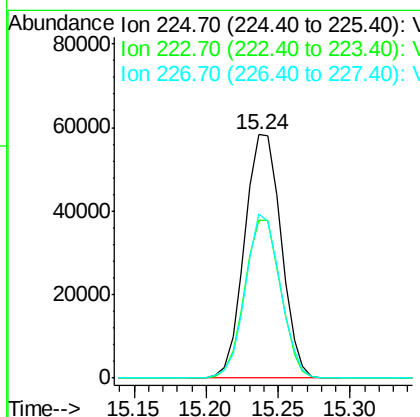
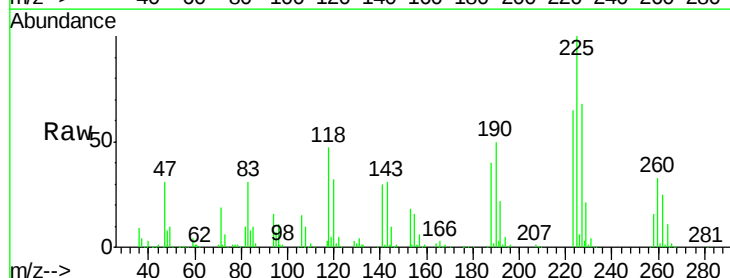
Manual Integrations
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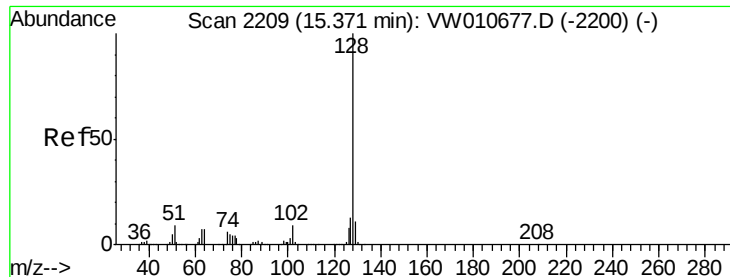
MMDadoda
 6/20/2019 12:00:22 PM



#94
 Hexachlorobutadiene
 Concen: 48.513 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102301		
223	64.0	32.2	96.6	
227	64.1	32.0	96.0	





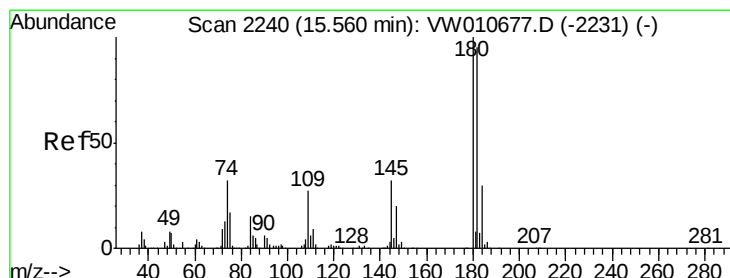
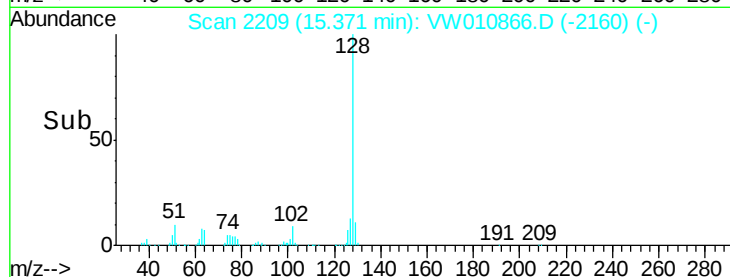
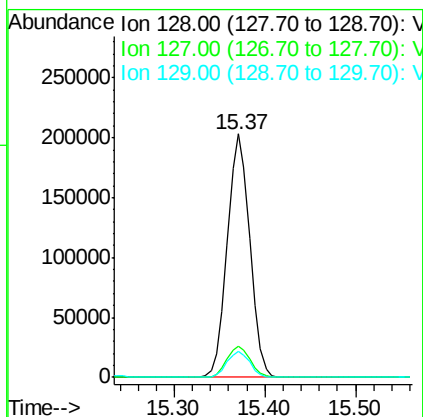
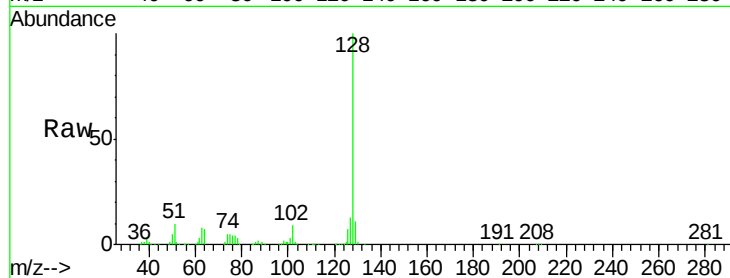
#95
Naphthalene
Concen: 57.442 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/20/2019 12:00:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.609 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.0	141.0
145	32.2	16.1	48.3

