

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013344.D
 Acq On : 30 Sep 2019 20:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 11:33:10 AM

Quant Time: Oct 01 05:58:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	469743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136639	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	7.88	113	136950	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
50) Toluene-d8	10.32	98	558997	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.62	95	194557	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	74998	40.156	ug/l	92
3) Chloromethane	2.20	50	100836	42.001	ug/l	99
4) Vinyl Chloride	2.35	62	142222	45.950	ug/l	99
5) Bromomethane	2.76	94	89355	45.556	ug/l	94
6) Chloroethane	2.90	64	83900	45.987	ug/l	95
7) Trichlorofluoromethane	3.25	101	83430	46.747	ug/l	99
8) Diethyl Ether	3.68	74	79056	51.859	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	139377	47.967	ug/l	99
10) Methyl Iodide	4.26	142	223521	49.617	ug/l	99
11) Tert butyl alcohol	5.20	59	60499	320.913	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	145903	48.491	ug/l	98
13) Acrolein	3.89	56	26001	170.930	ug/l	100
14) Allyl chloride	4.66	41	231316	48.305	ug/l	99
15) Acrylonitrile	5.37	53	186526	283.483	ug/l	98
16) Acetone	4.12	43	150615	252.749	ug/l	97
17) Carbon Disulfide	4.38	76	409083	47.038	ug/l	100
18) Methyl Acetate	4.67	43	98404	58.746	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	247614	53.695	ug/l	100
20) Methylene Chloride	4.91	84	157494	51.781	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	162404	49.939	ug/l	95
22) Diisopropyl ether	6.31	45	466630	51.244	ug/l	97
23) Vinyl Acetate	6.25	43	1437432	266.083	ug/l	99
24) 1,1-Dichloroethane	6.21	63	274359	49.930	ug/l	98
25) 2-Butanone	7.17	43	241110	269.531	ug/l	98
26) 2,2-Dichloropropane	7.17	77	162180	49.281	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	177615	51.753	ug/l	97
28) Bromochloromethane	7.51	49	120520	57.148	ug/l #	96
29) Tetrahydrofuran	7.53	42	159903	291.475	ug/l	99
30) Chloroform	7.67	83	269977	50.184	ug/l	98
31) Cyclohexane	7.95	56	259579	45.319	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	216457	49.679	ug/l	99
36) 1,1-Dichloropropene	8.08	75	220454	48.454	ug/l	98
37) Ethyl Acetate	7.25	43	109779	56.772	ug/l	98
38) Carbon Tetrachloride	8.07	117	201531	49.412	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	285637	48.852	ug/l	99
40) Benzene	8.32	78	641783	50.571	ug/l	100
41) Methacrylonitrile	7.48	41	64761	56.115	ug/l	98
42) 1,2-Dichloroethane	8.40	62	171122	50.160	ug/l	98
43) Isopropyl Acetate	8.42	43	202814	54.725	ug/l	99
44) Trichloroethene	9.09	130	181208	50.892	ug/l	94
45) 1,2-Dichloropropane	9.37	63	159961	51.628	ug/l	98
46) Dibromomethane	9.46	93	80461	53.490	ug/l	98
47) Bromodichloromethane	9.64	83	197152	51.508	ug/l	98
48) Methyl methacrylate	9.43	41	97037	55.683	ug/l	99
49) 1,4-Dioxane	9.46	88	27527	1219.111	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	536987	289.026	ug/l	99
52) Toluene	10.38	92	418192	51.417	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	208244	52.955	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	249803	52.245	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	119484	53.143	ug/l	99
56) Ethyl methacrylate	10.65	69	167866	57.049	ug/l	98
57) 1,3-Dichloropropane	10.93	76	208041	53.025	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	382405	280.725	ug/l	98
59) 2-Hexanone	10.97	43	367691	287.653	ug/l	98
60) Dibromochloromethane	11.13	129	140253	54.937	ug/l	99
61) 1,2-Dibromoethane	11.23	107	117424	54.930	ug/l	99
64) Tetrachloroethene	10.86	164	158922	50.959	ug/l	97
65) Chlorobenzene	11.66	112	439250	51.176	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	154387	52.651	ug/l	99
67) Ethyl Benzene	11.73	91	786887	50.599	ug/l	98
68) m/p-Xylenes	11.84	106	608247	102.638	ug/l	100
69) o-Xylene	12.16	106	284959	51.720	ug/l	97
70) Styrene	12.18	104	495885	52.425	ug/l	99
71) Bromoform	12.35	173	88618	57.206	ug/l #	99
73) Isopropylbenzene	12.46	105	785931	49.519	ug/l	99
74) N-amyl acetate	12.27	43	186319	52.904	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	142906	53.838	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	89742m	47.297	ug/l	
77) Bromobenzene	12.74	156	190946	50.769	ug/l	98
78) n-propylbenzene	12.80	91	911226	49.049	ug/l	99
79) 2-Chlorotoluene	12.89	91	510658	49.064	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	661318	49.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	47572	56.259	ug/l	94
82) 4-Chlorotoluene	12.99	91	537389	48.962	ug/l	99
83) tert-Butylbenzene	13.21	119	576947	49.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	656313	49.436	ug/l	99
85) sec-Butylbenzene	13.38	105	793362	49.142	ug/l	99
86) p-Isopropyltoluene	13.50	119	746385	49.845	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	364843	50.404	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	357078	50.299	ug/l	99
89) n-Butylbenzene	13.82	91	671931	49.144	ug/l	100
90) Hexachloroethane	14.09	117	125696	49.968	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	325129	51.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23197	57.136	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	234269	52.207	ug/l	99
94) Hexachlorobutadiene	15.24	225	149070	48.558	ug/l	98
95) Naphthalene	15.36	128	425231	57.941	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	205415	52.978	ug/l	99

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

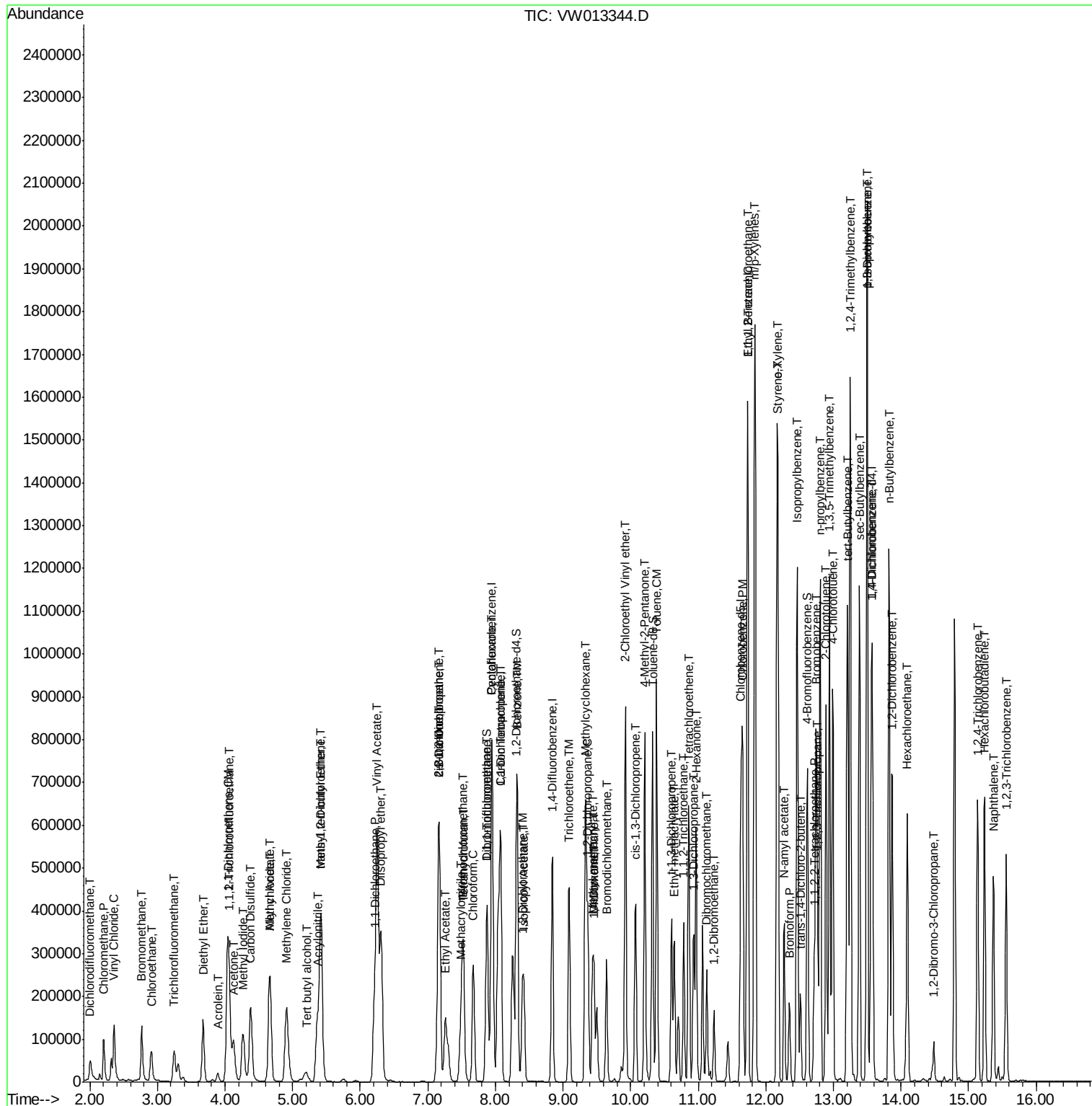
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW093019\
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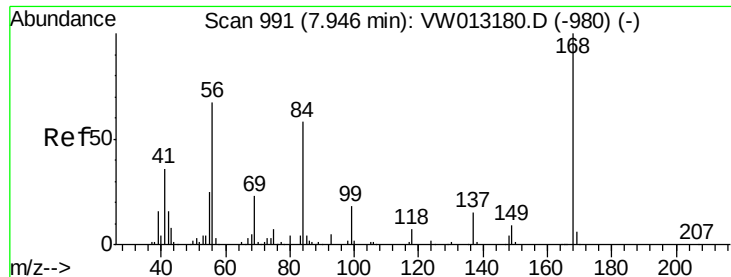
Instrument :
MSVOA_W
Client Sampled :
VSTDCCC050EC

Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 323774

Ion Ratio Lower Upper

168 100

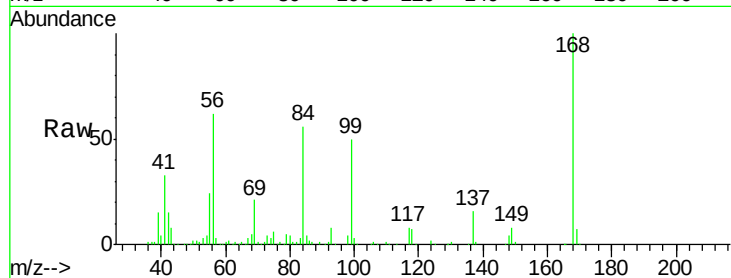
99 49.5 40.2 60.4

Manual Integrations

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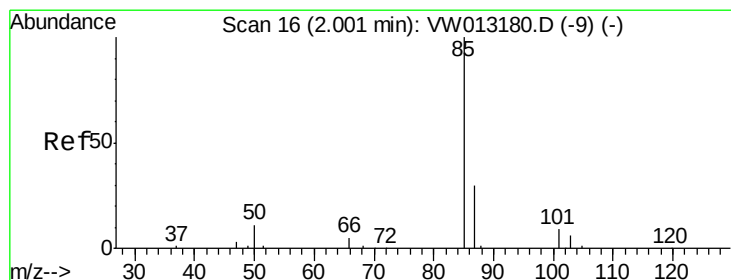
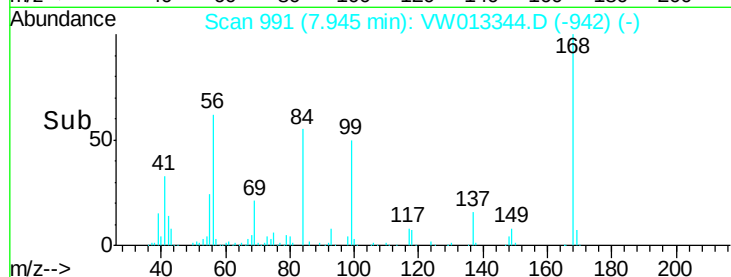
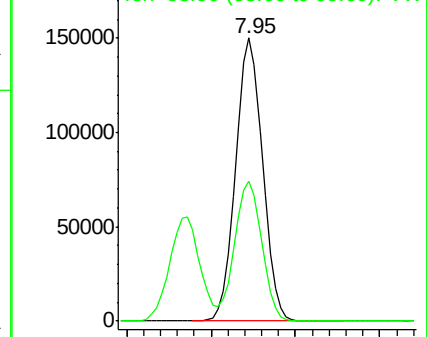
MMDadoda

10/1/2019 11:33:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 40.156 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013344.D

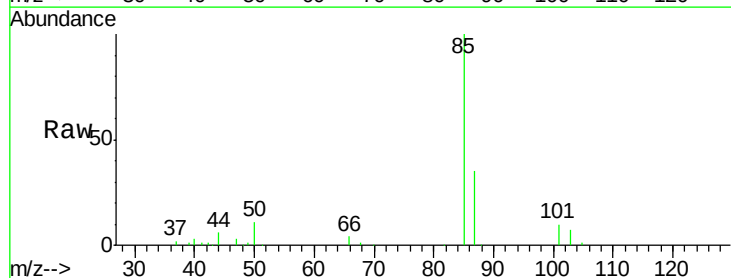
Acq: 30 Sep 2019 20:01

Tgt Ion: 85 Resp: 74998

Ion Ratio Lower Upper

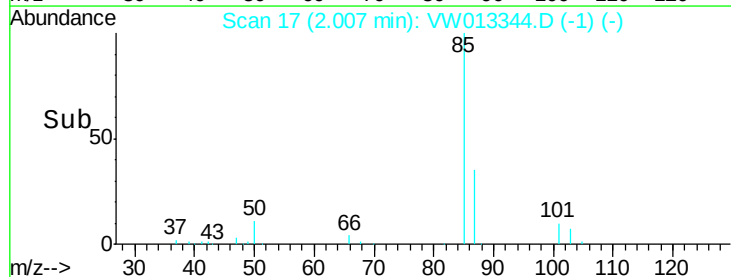
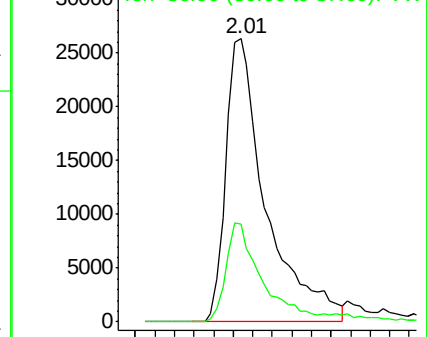
85 100

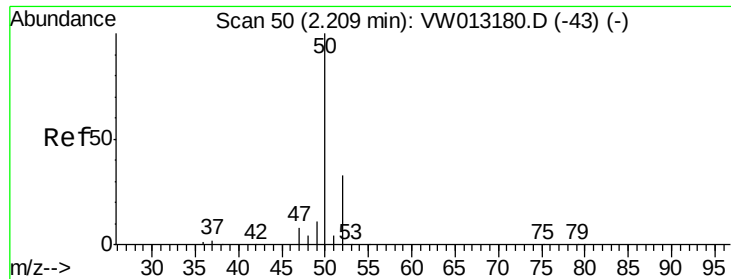
87 34.6 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 42.001 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 100836

Ion Ratio Lower Upper

50 100

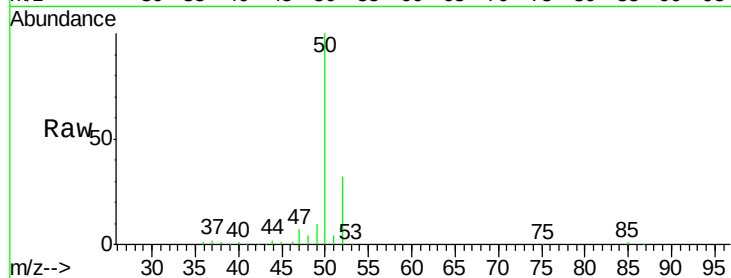
52 31.8 26.1 39.1

Manual Integrations

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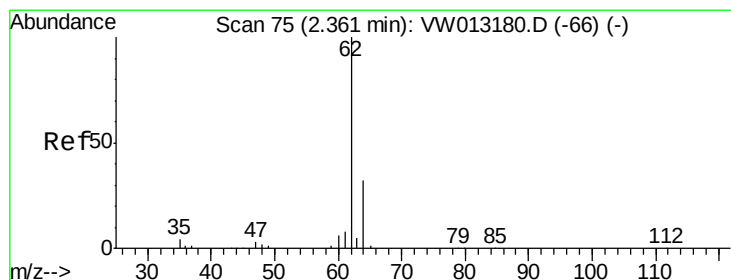
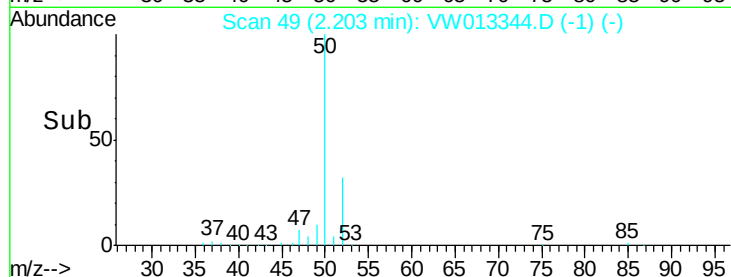
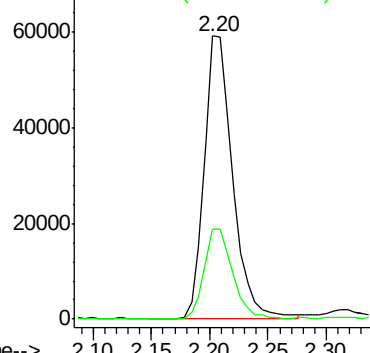
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 45.950 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013344.D

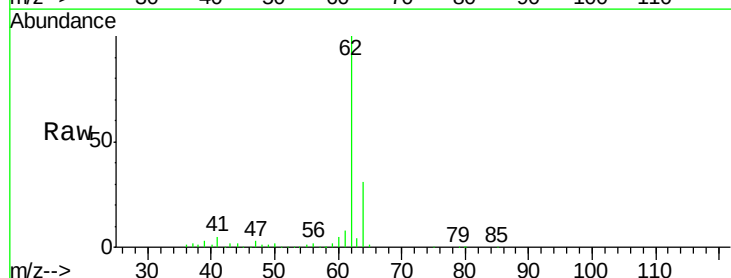
Acq: 30 Sep 2019 20:01

Tgt Ion: 62 Resp: 142222

Ion Ratio Lower Upper

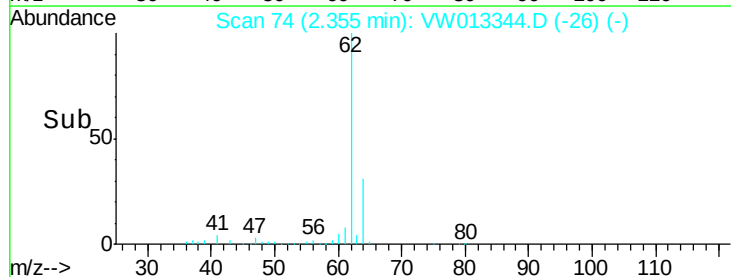
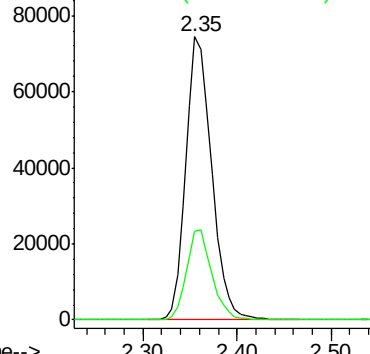
62 100

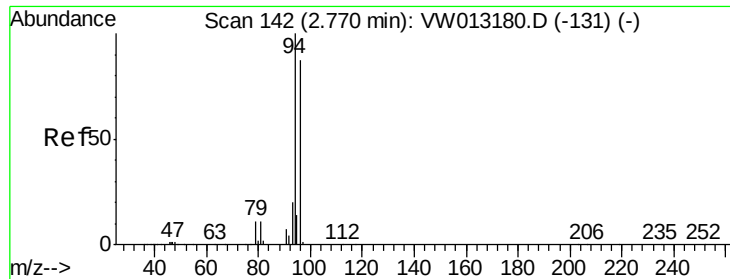
64 31.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 45.556 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 89355

Ion Ratio Lower Upper

94 100

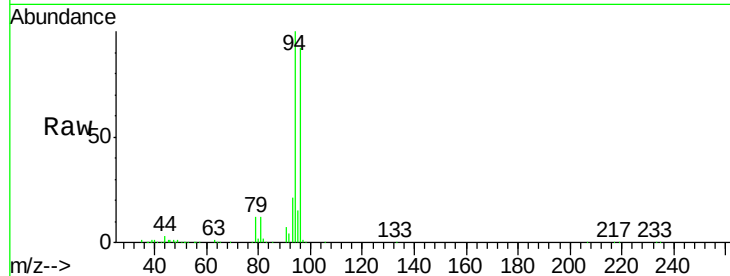
96 92.5 69.7 104.5

Manual Integrations

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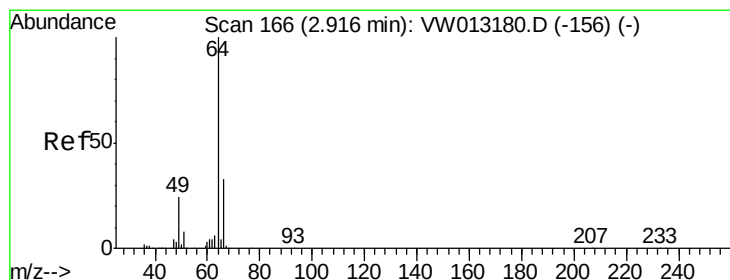
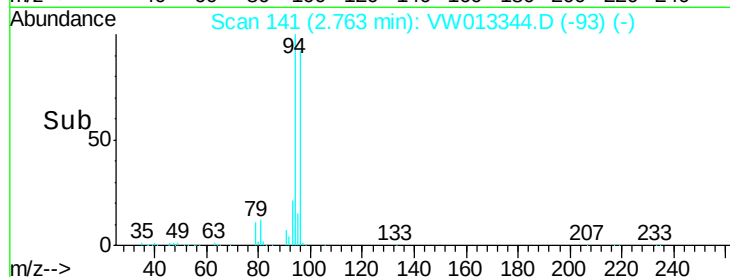
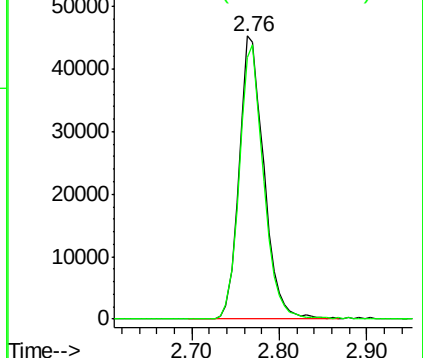
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 45.987 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013344.D

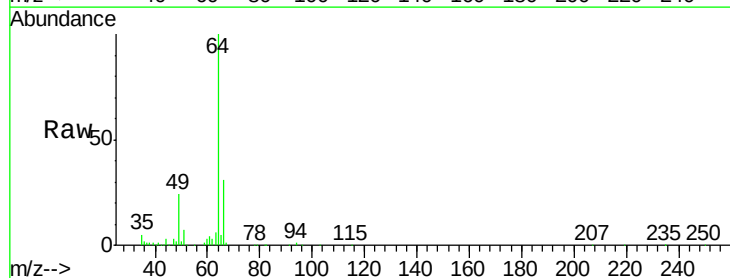
Acq: 30 Sep 2019 20:01

Tgt Ion: 64 Resp: 83900

Ion Ratio Lower Upper

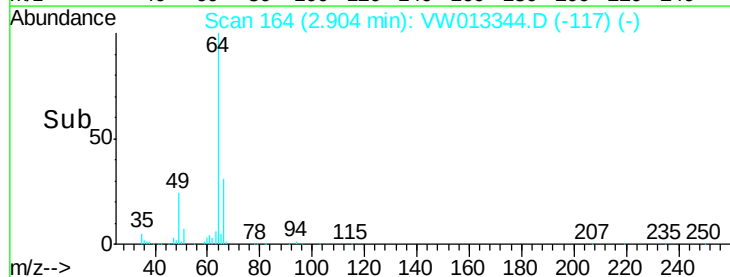
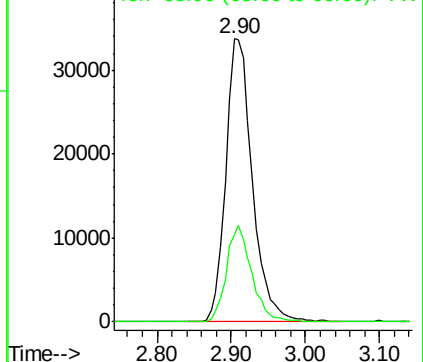
64 100

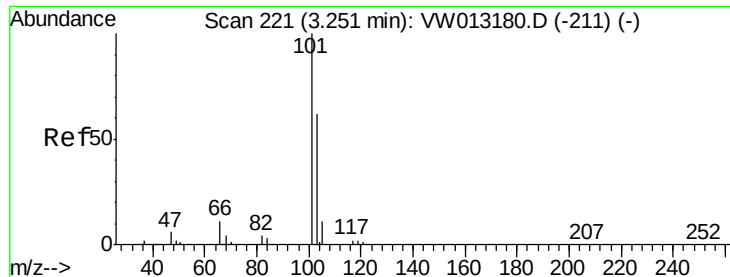
66 30.6 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

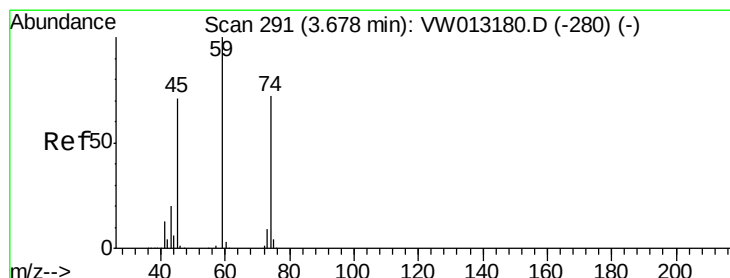
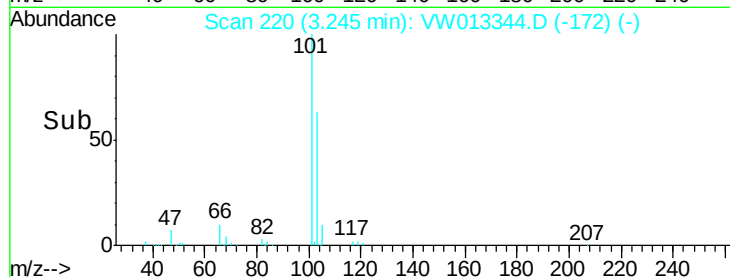
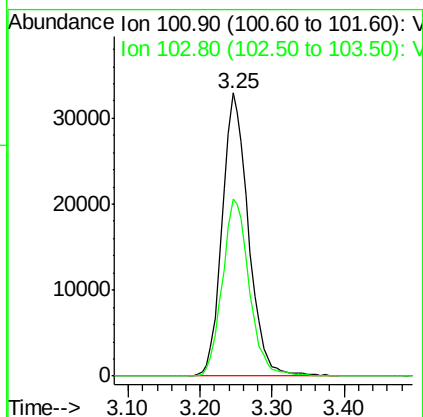
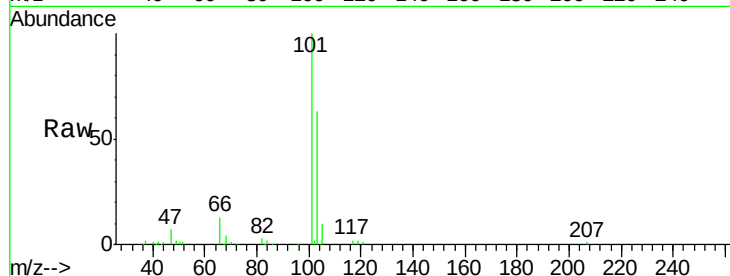
Trichlorofluoromethane
Concen: 46.747 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	49.7	74.5

Manual Integrations
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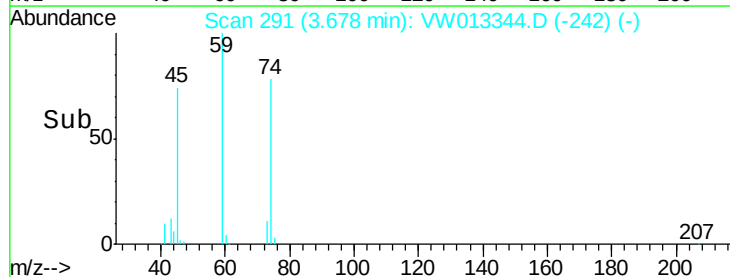
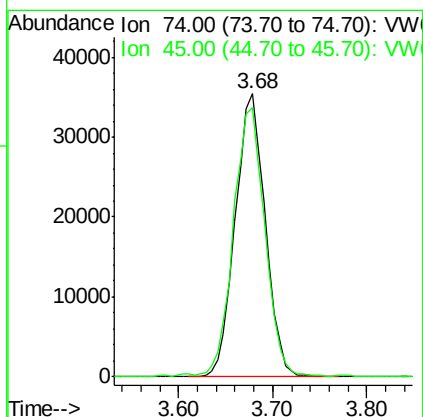
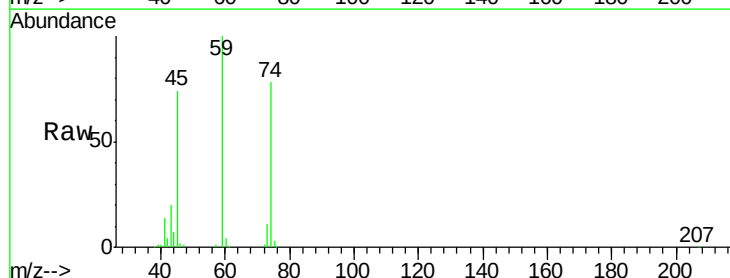
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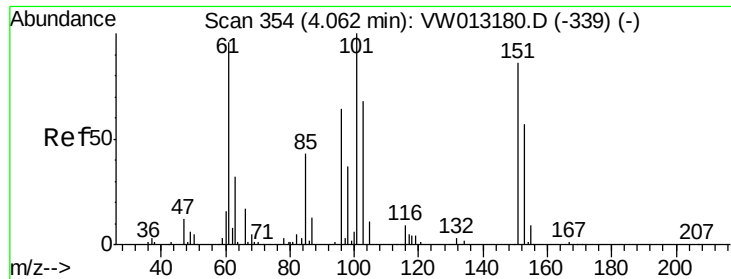


#8

Diethyl Ether
Concen: 51.859 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.967 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

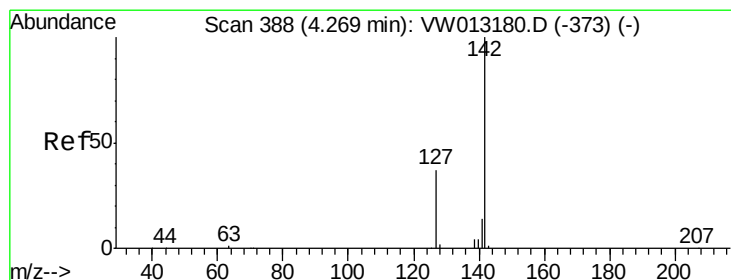
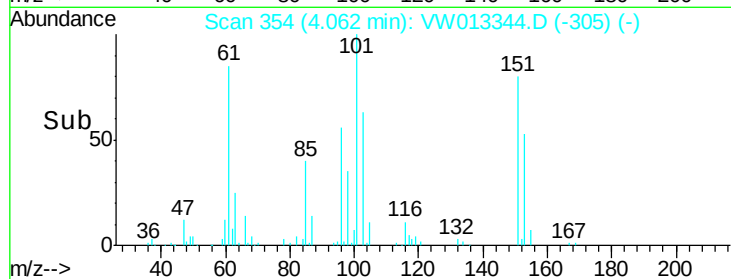
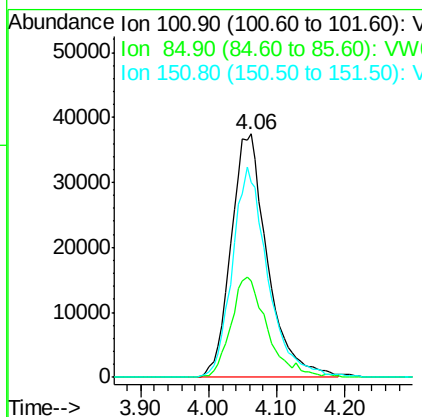
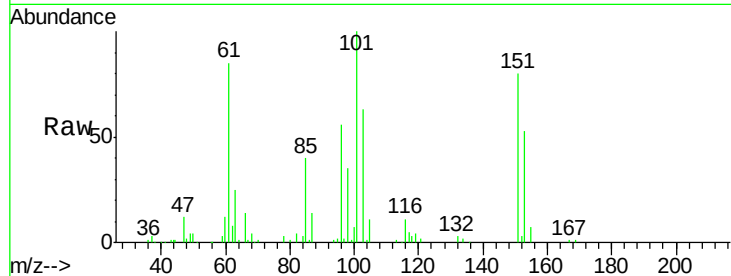
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	139377
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.0
151	84.1	66.9	100.3

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#10

Methyl Iodide

Concen: 49.617 ug/l

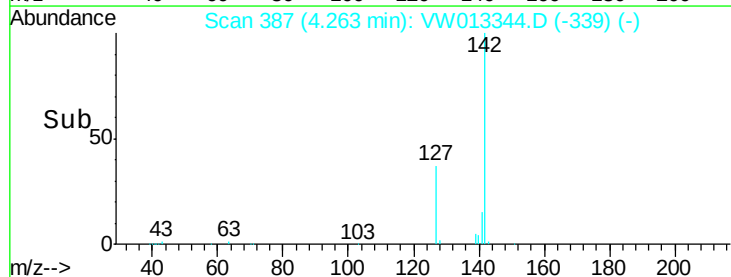
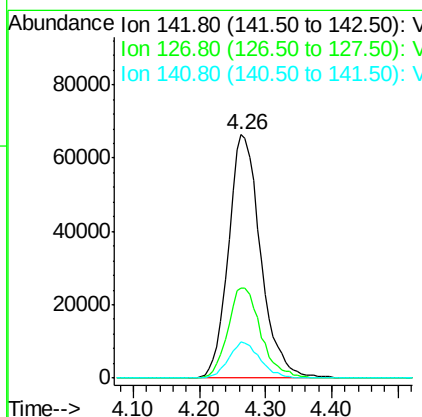
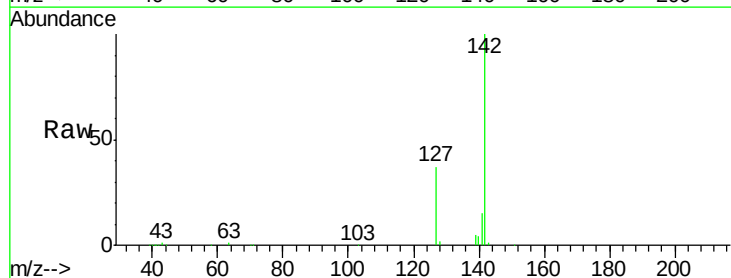
RT: 4.26 min Scan# 387

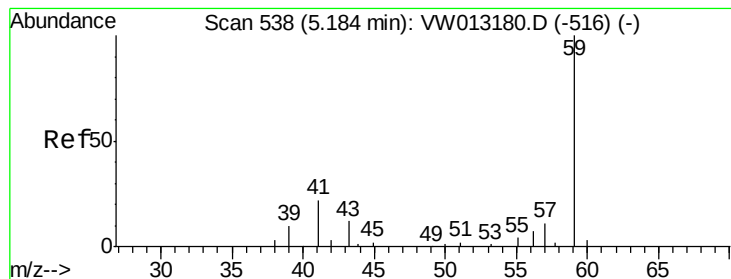
Delta R.T. -0.01 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tgt Ion:	142	Resp:	223521
Ion Ratio	Lower	Upper	
142	100		
127	38.1	30.9	46.3
141	14.4	11.7	17.5





#11

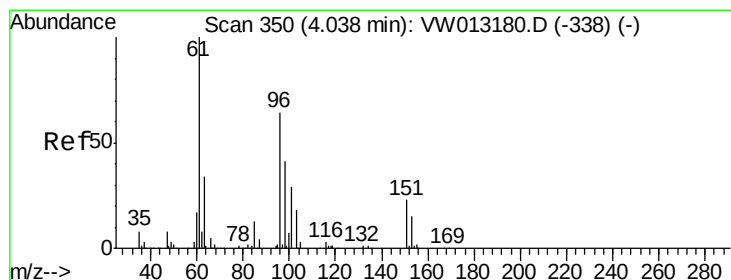
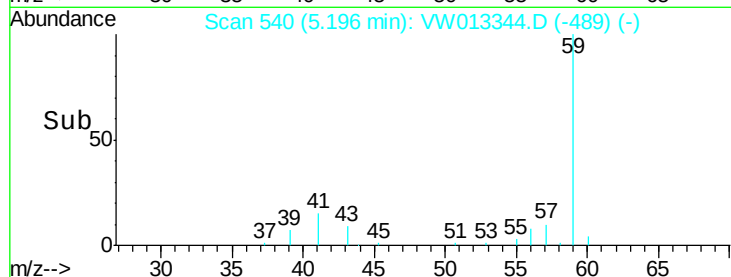
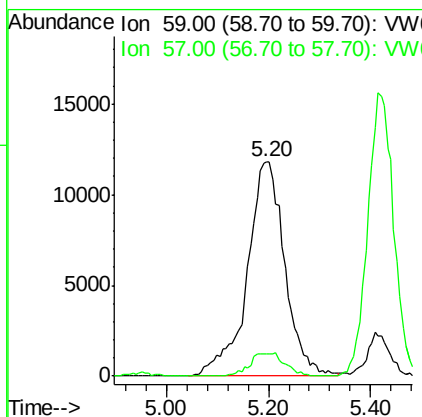
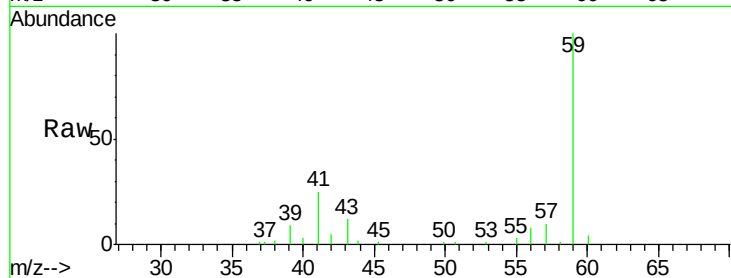
Tert butyl alcohol
 Concen: 320.913 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	60499		
57	57	5.0		8.2	12.2#

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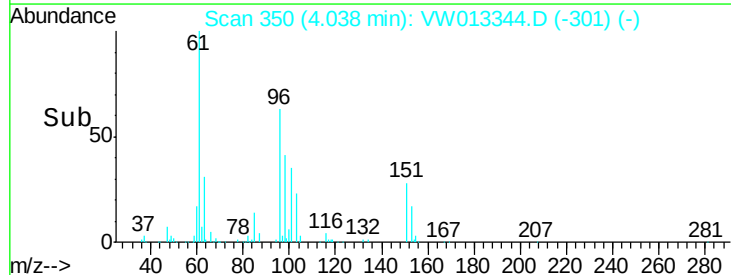
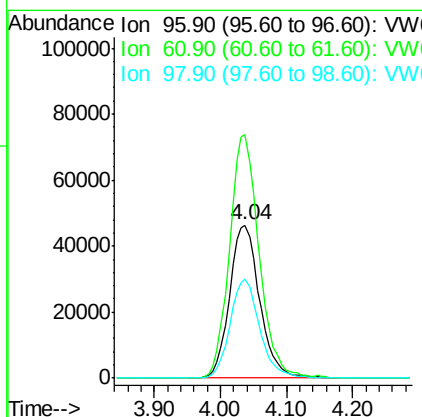
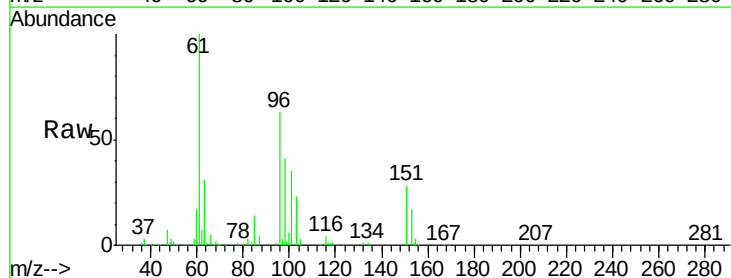
MMDadoda
 10/1/2019 11:33:10 AM

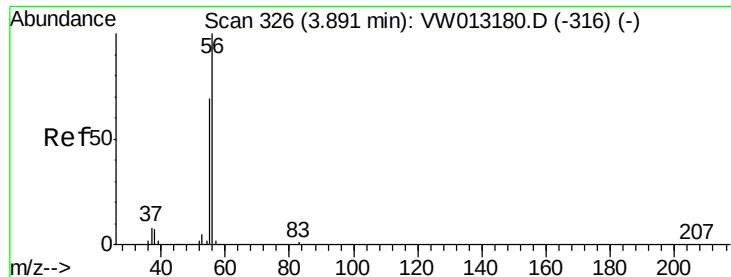


#12

1,1-Dichloroethene
 Concen: 48.491 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	145903		
61	61	158.9		125.1	187.7
98	98	64.5		50.8	76.2





#13

Acrolein

Concen: 170.930 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 26001

Ion Ratio Lower Upper

56 100

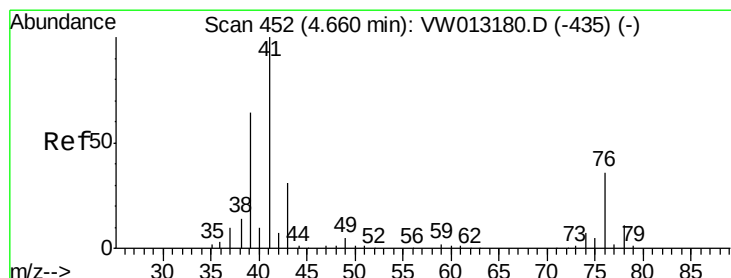
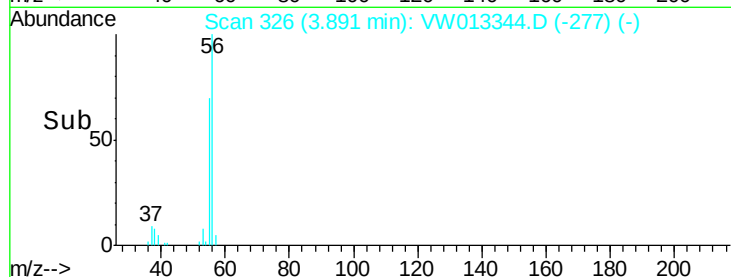
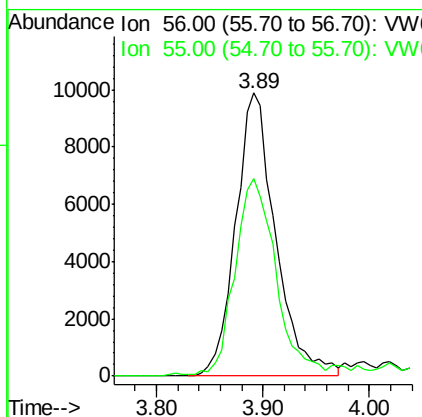
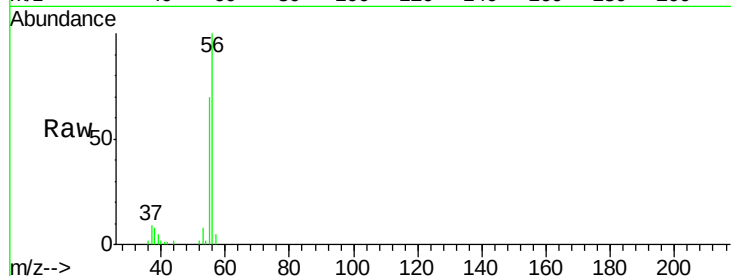
55 69.2 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 48.305 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

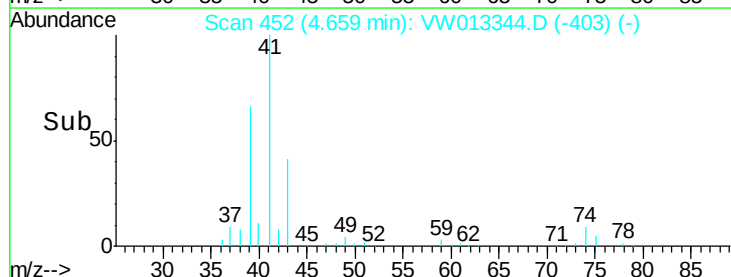
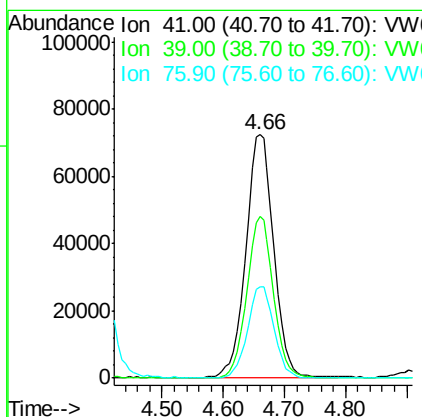
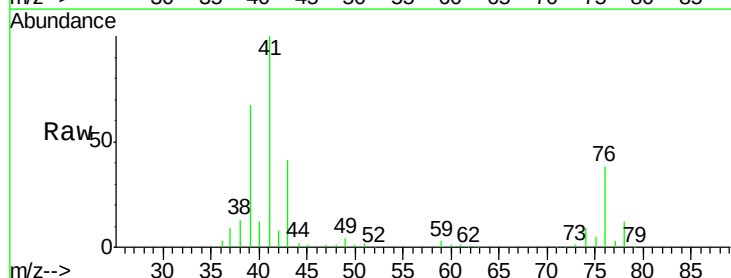
Tgt Ion: 41 Resp: 231316

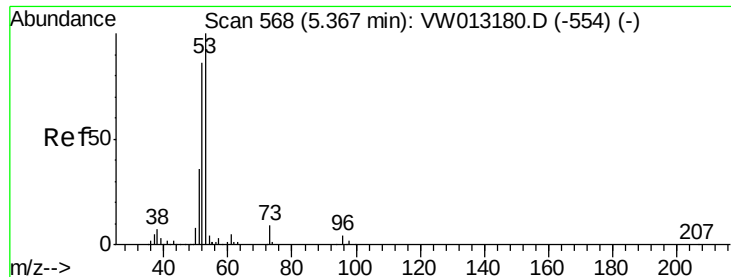
Ion Ratio Lower Upper

41 100

39 62.7 51.0 76.4

76 35.8 28.4 42.6





#15

Acrylonitrile

Concen: 283.483 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

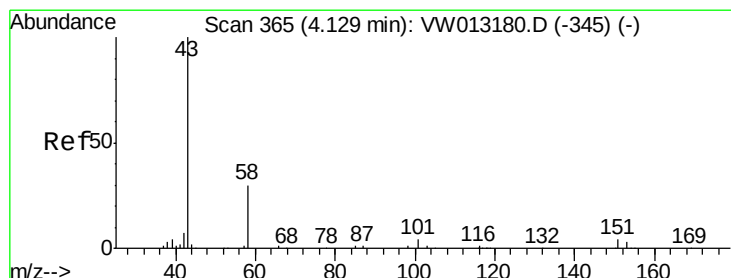
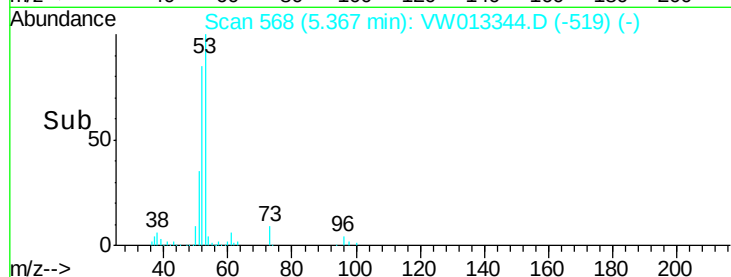
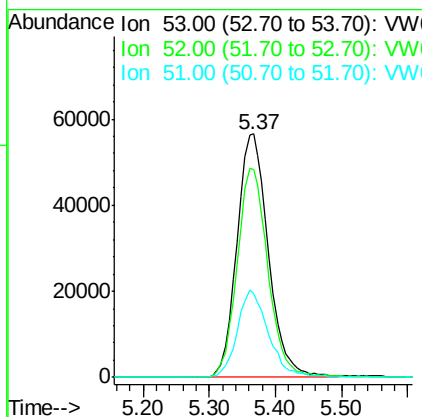
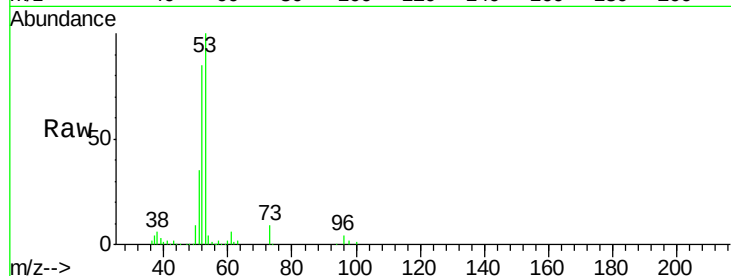
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	186526
Ion Ratio	Lower	Upper	
53	100		
52	84.2	65.3	97.9
51	35.6	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 252.749 ug/l

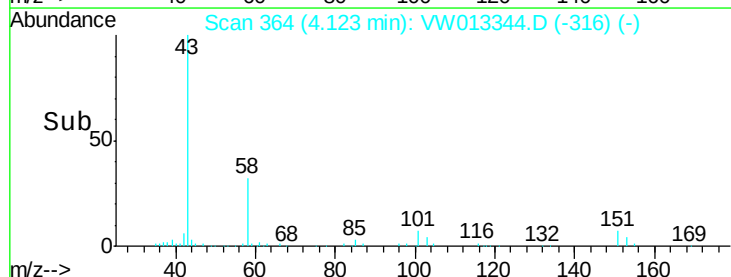
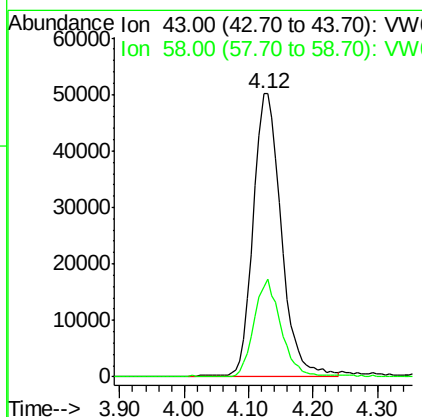
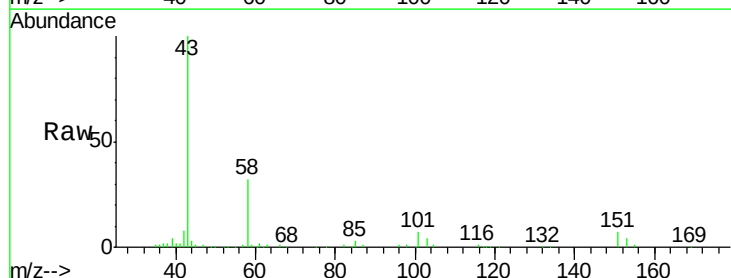
RT: 4.12 min Scan# 364

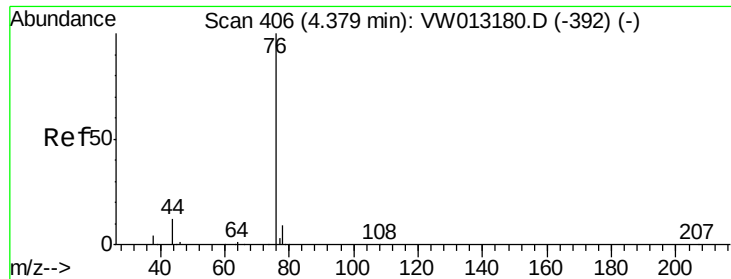
Delta R.T. -0.01 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tgt Ion:	43	Resp:	150615
Ion Ratio	Lower	Upper	
43	100		
58	31.7	24.1	36.1





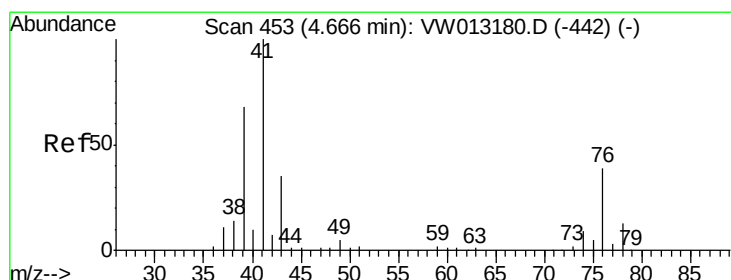
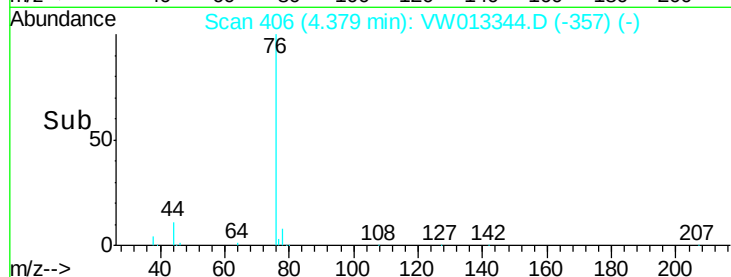
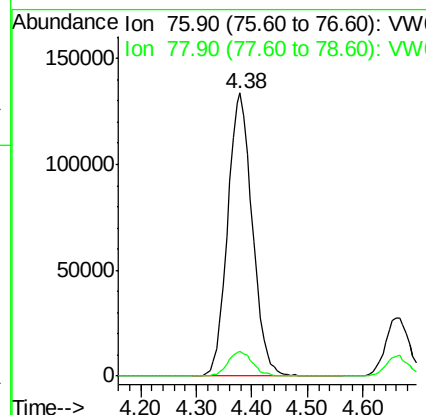
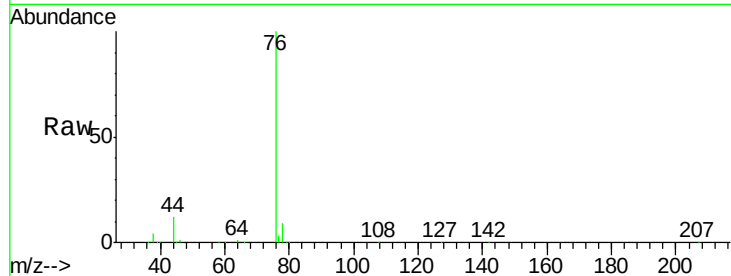
#17
Carbon Disulfide
Concen: 47.038 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

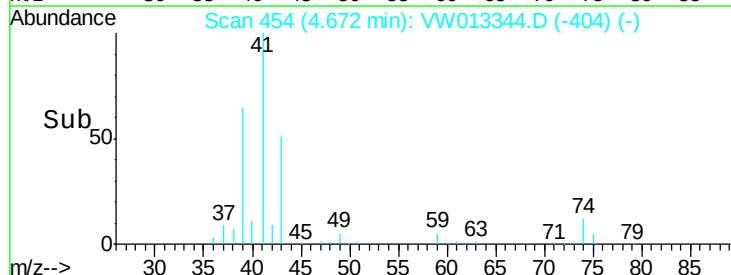
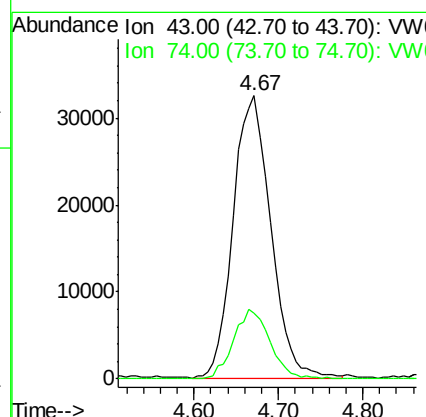
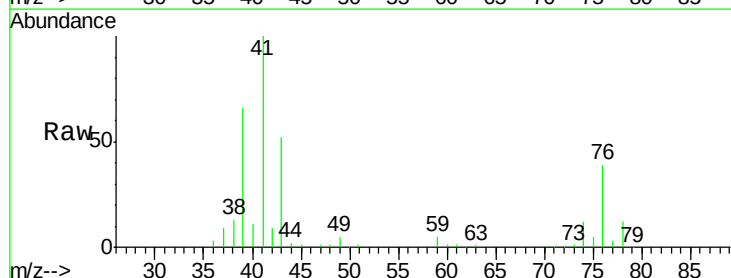
Manual Integrations
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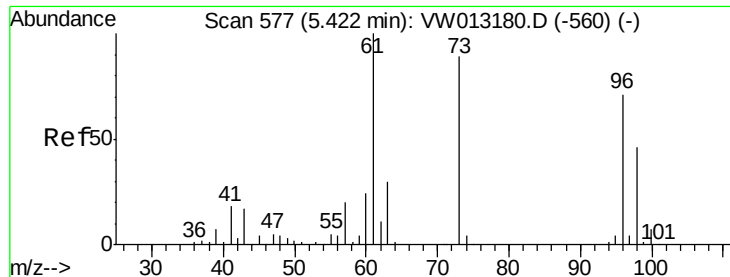
MMDadoda
10/1/2019 11:33:10 AM



#18
Methyl Acetate
Concen: 58.746 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.3	28.9





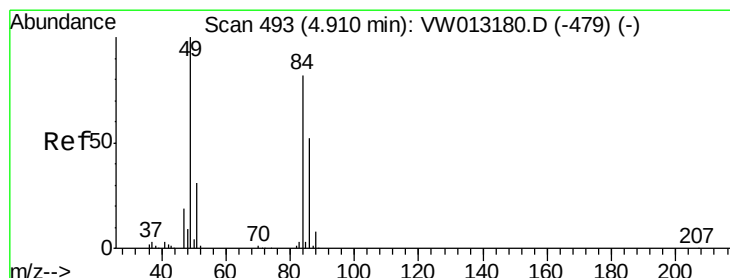
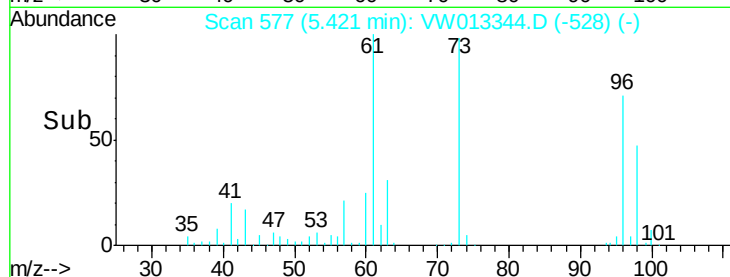
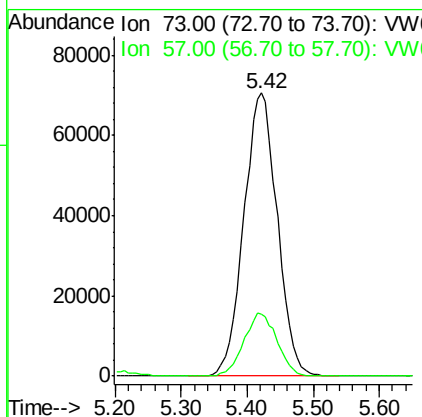
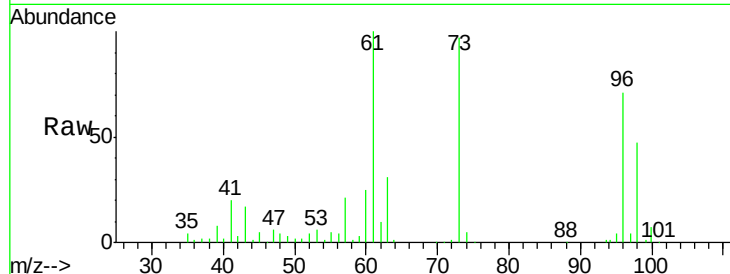
#19
Methyl tert-butyl Ether
Concen: 53.695 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 247614
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

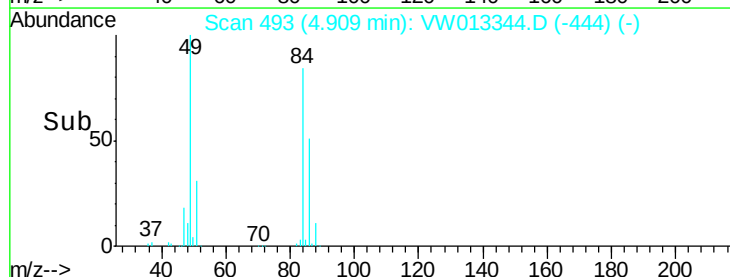
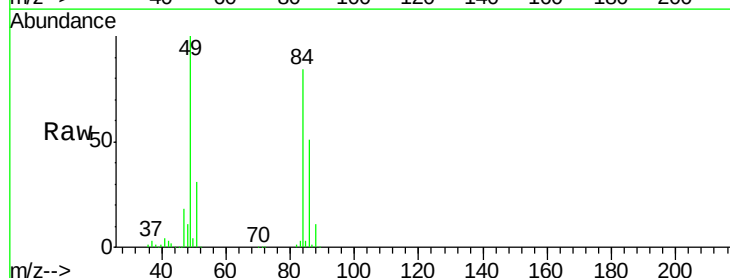
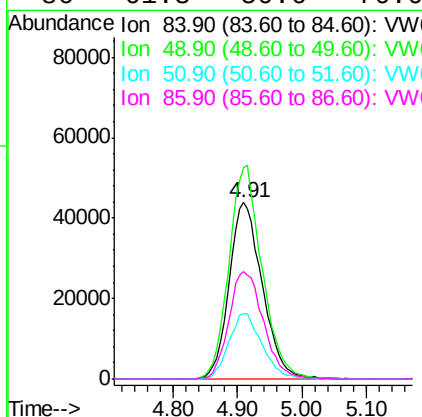
Manual Integrations
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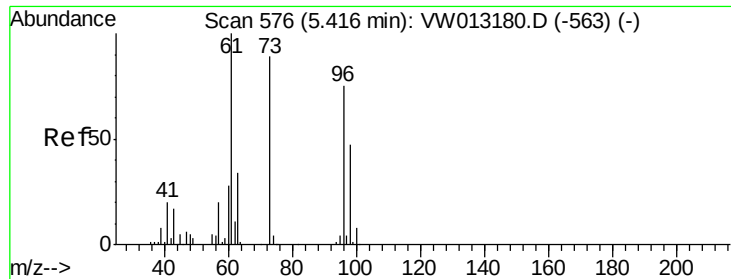
MMDadoda
10/1/2019 11:33:10 AM



#20
Methylene Chloride
Concen: 51.781 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion: 84 Resp: 157494
Ion Ratio Lower Upper
84 100
49 119.3 97.6 146.4
51 37.0 30.2 45.2
86 61.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 49.939 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

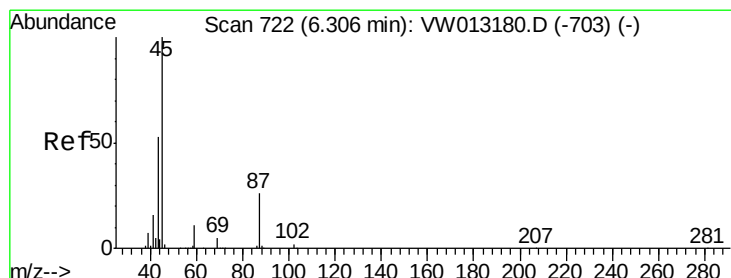
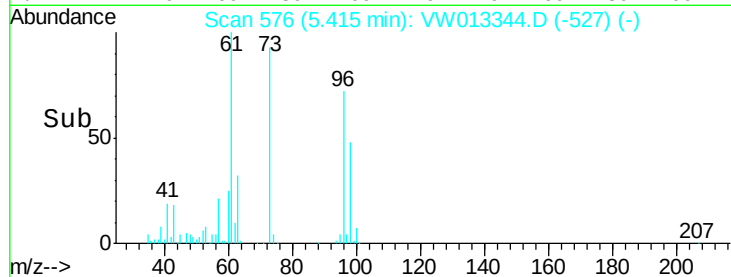
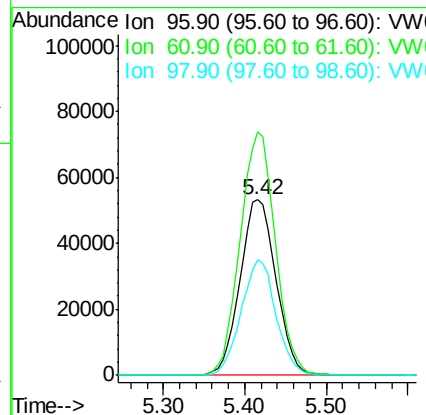
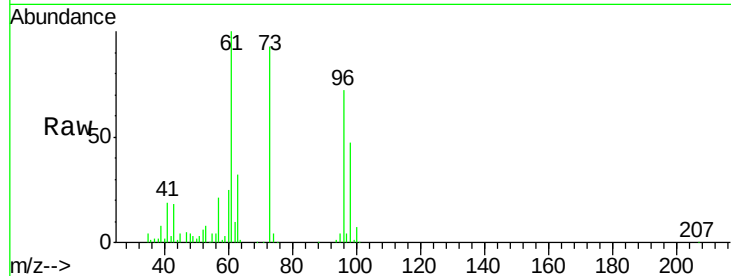
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	162404
Ion	Ratio	Lower	Upper
96	100		
61	138.7	106.6	159.8
98	65.8	49.8	74.8

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#22

Diisopropyl ether

Concen: 51.244 ug/l

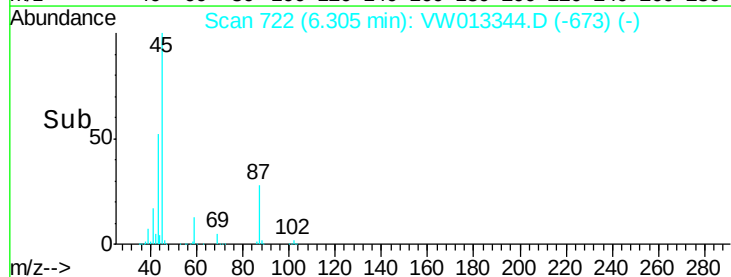
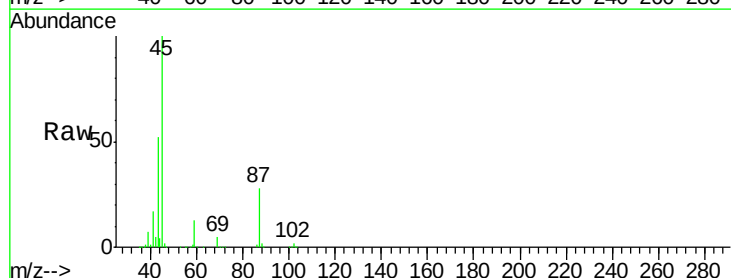
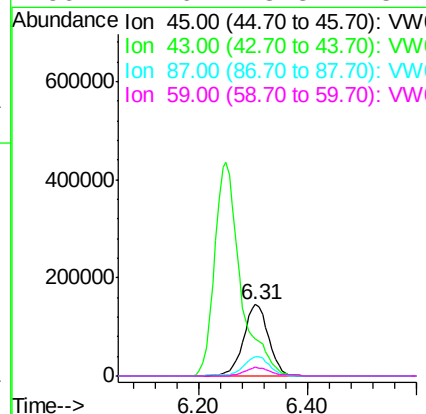
RT: 6.31 min Scan# 722

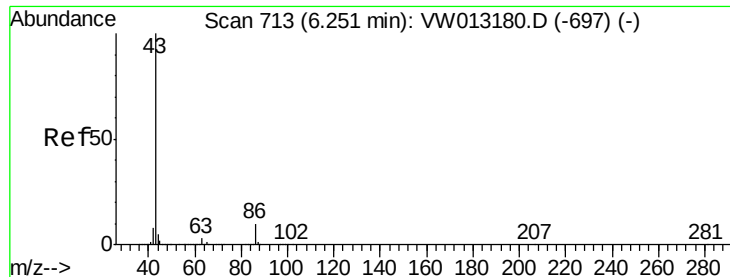
Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tgt Ion:	45	Resp:	466630
Ion	Ratio	Lower	Upper
45	100		
43	51.3	42.4	63.6
87	27.5	20.4	30.6
59	12.6	8.8	13.2





#23

Vinyl Acetate

Concen: 266.083 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tot Ion: 43 Resp: 1437432

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5

Instrument :

MSVOA_W

ClientSampleId :

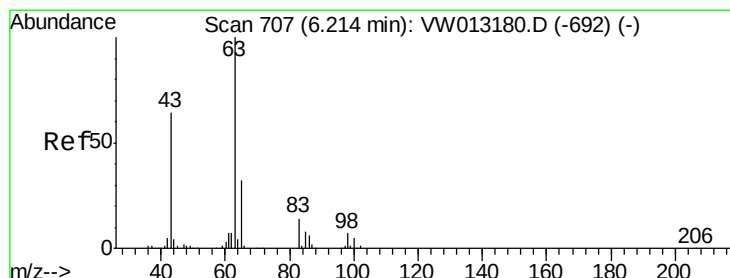
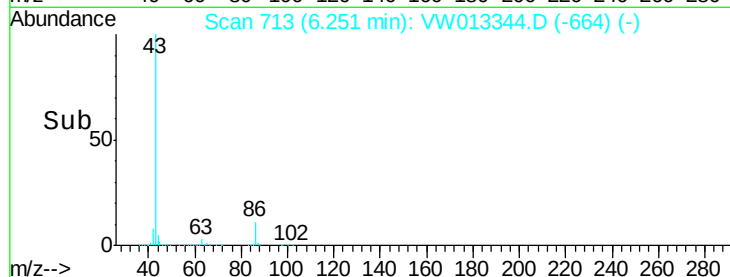
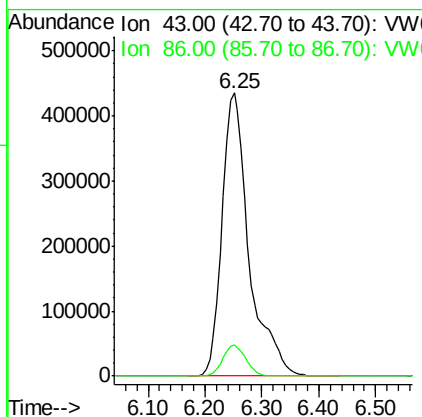
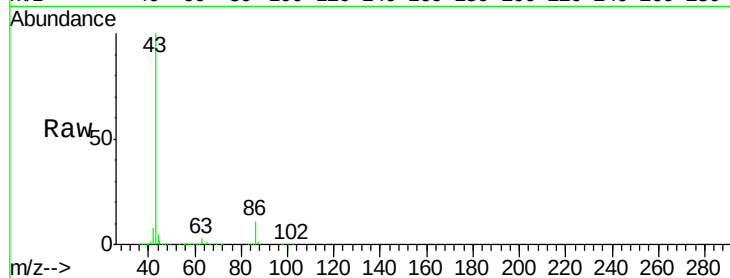
VSTDCCC050EC

Manual Integrations

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10/1/2019 11:33:10 AM



#24

1,1-Dichloroethane

Concen: 49.930 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

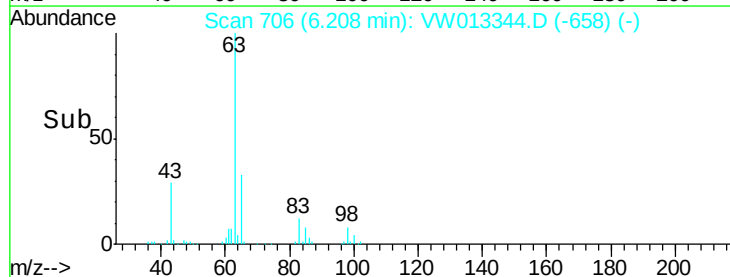
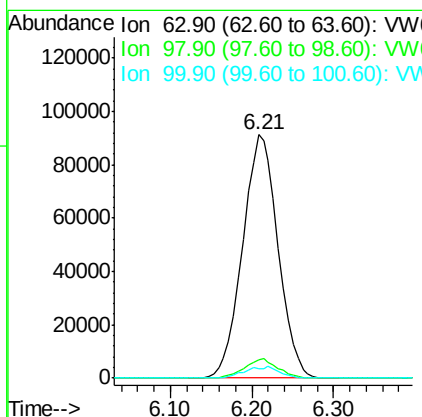
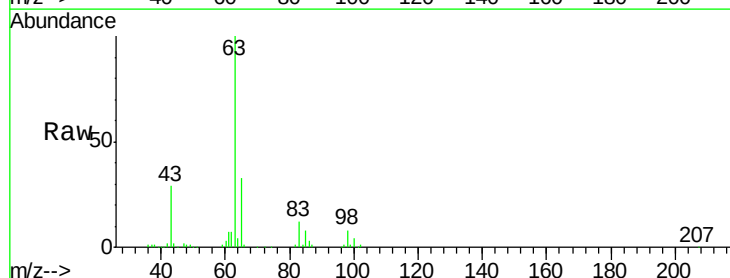
Tgt Ion: 63 Resp: 274359

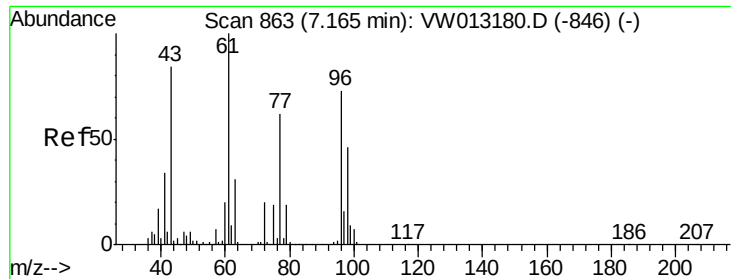
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 269.531 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 241110

Ion Ratio Lower Upper

43 100

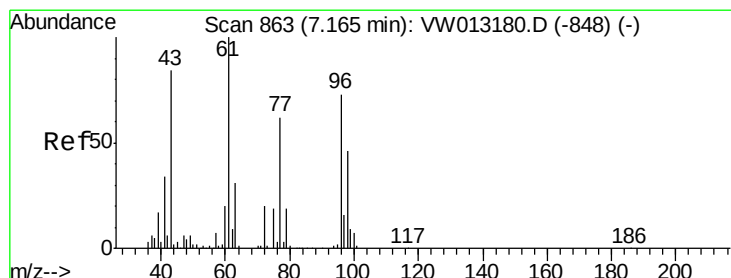
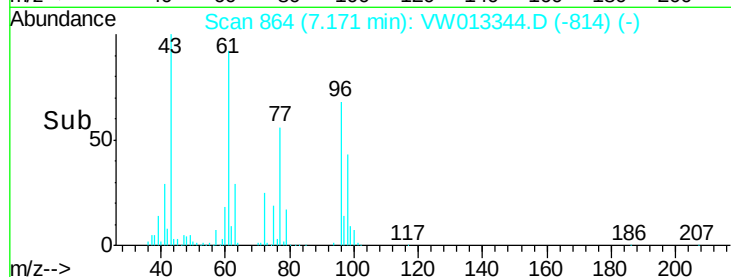
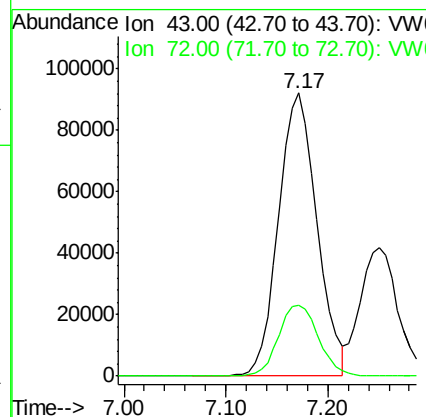
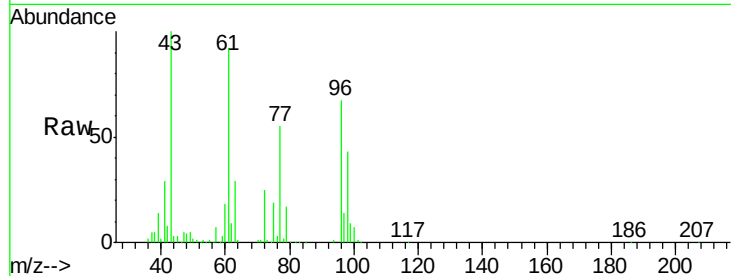
72 25.2 19.4 29.0

Manual Integrations

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MMDadoda

10/1/2019 11:33:10 AM



#26

2,2-Dichloropropane

Concen: 49.281 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013344.D

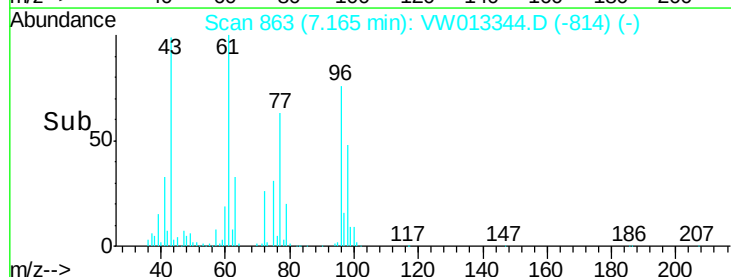
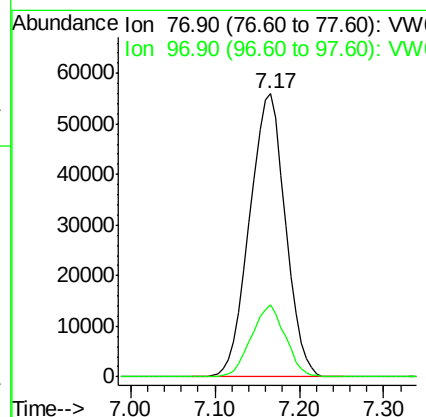
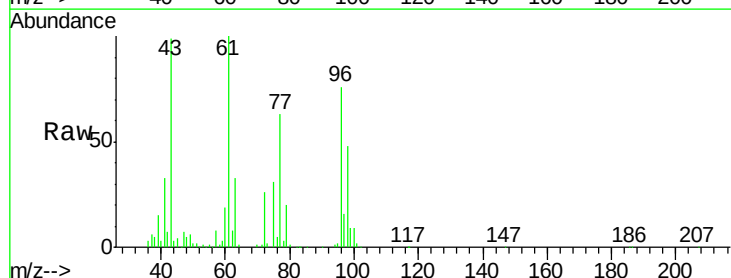
Acq: 30 Sep 2019 20:01

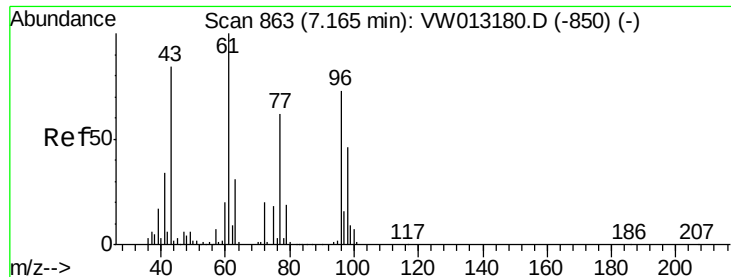
Tgt Ion: 77 Resp: 162180

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.4





#27

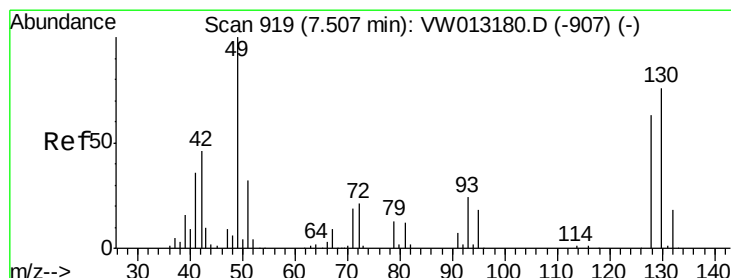
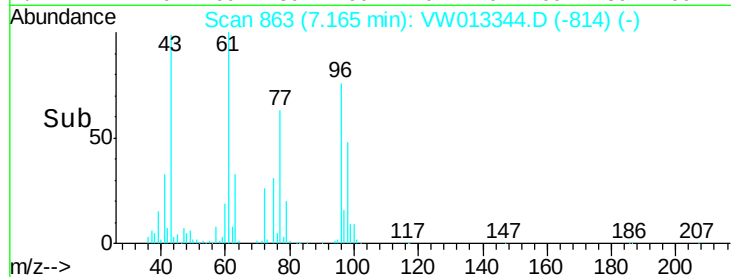
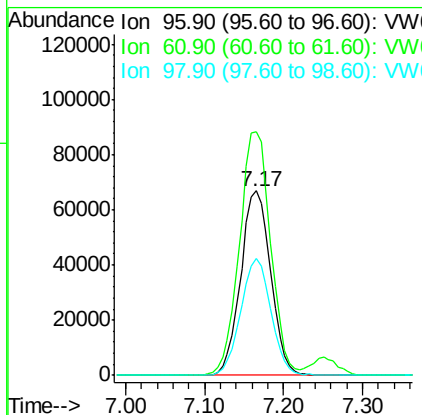
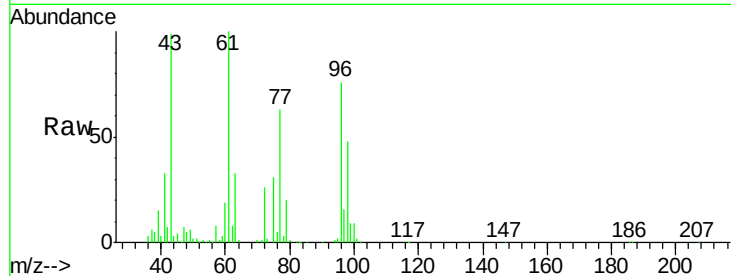
cis-1,2-Dichloroethene
Concen: 51.753 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		177615		
61	137.0	0.0	282.4		
98	63.3	0.0	128.2		

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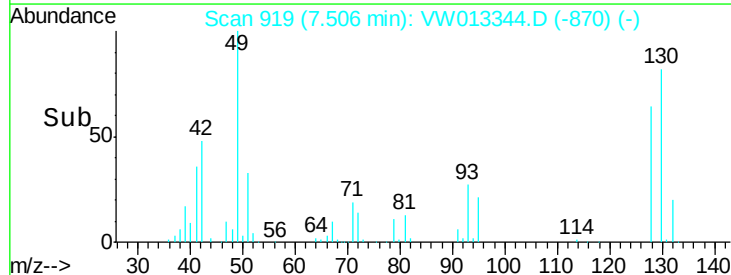
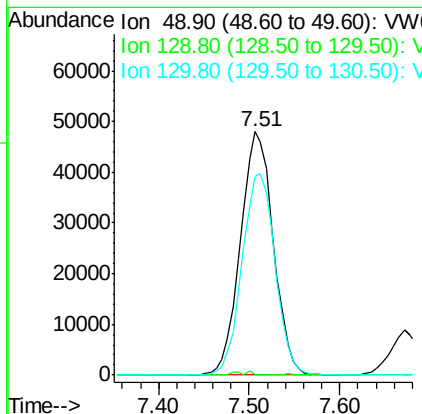
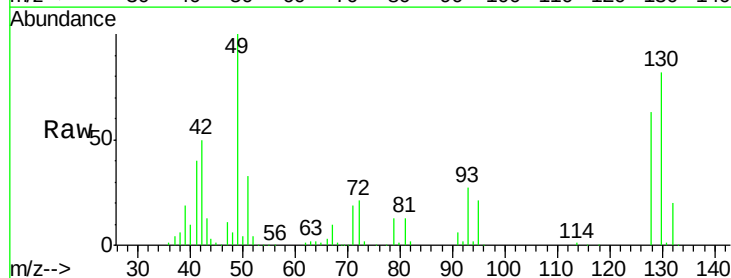
MMDadoda
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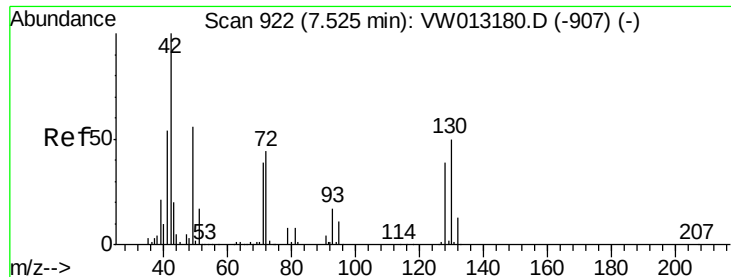


#28

Bromochloromethane
Concen: 57.148 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		120520		
129	0.0	0.0	1.0		
130	83.2	63.4	95.2		





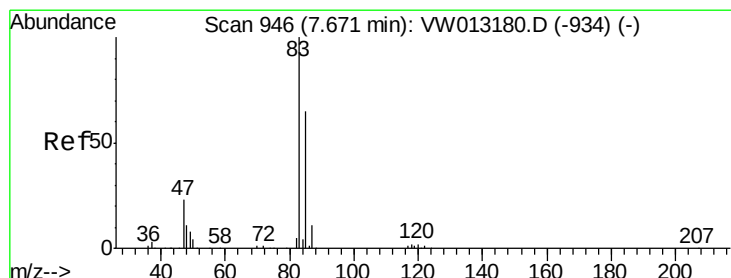
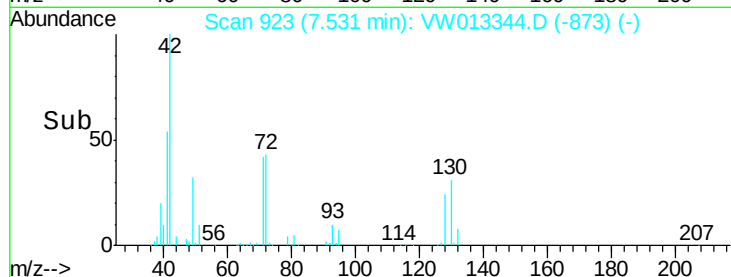
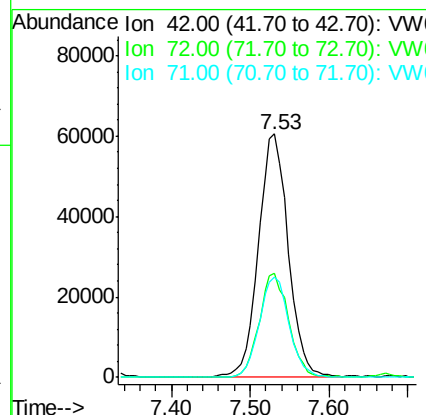
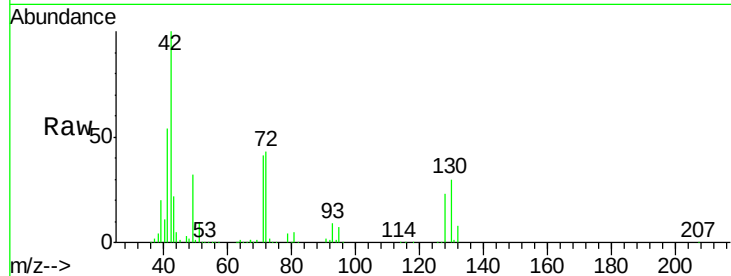
#29
Tetrahydrofuran
Concen: 291.475 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.9	50.9
71	40.7	31.9	47.9

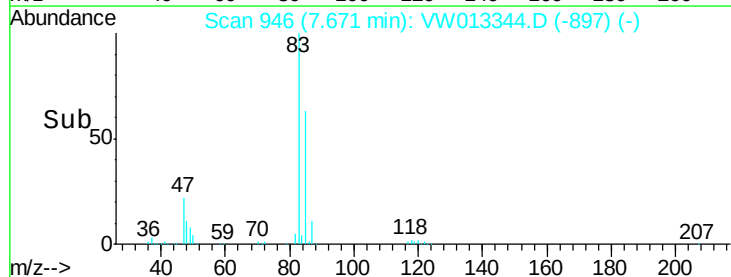
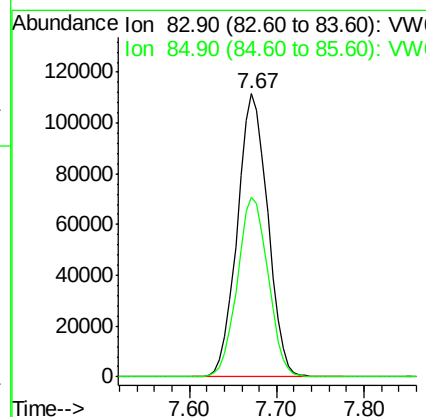
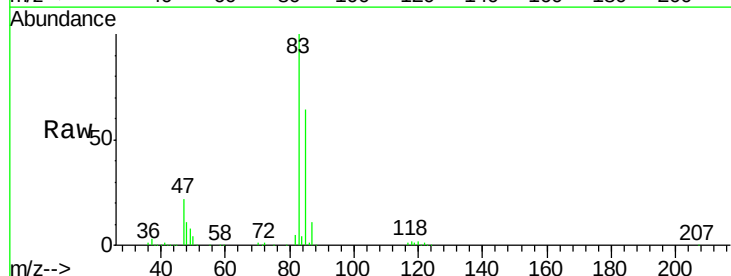
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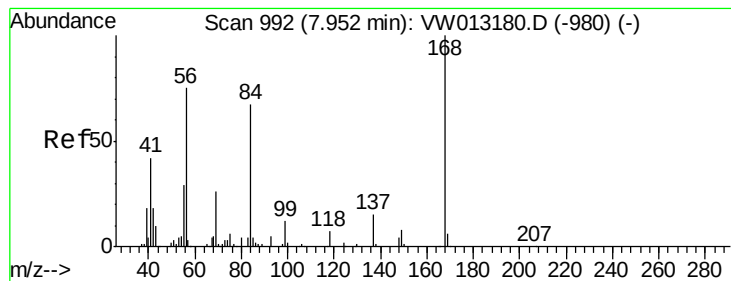
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#30
Chloroform
Concen: 50.184 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





#31

Cyclohexane

Concen: 45.319 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

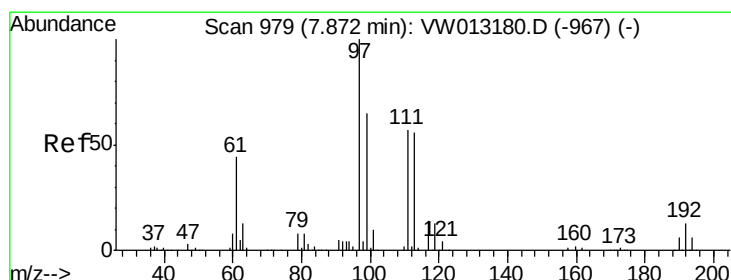
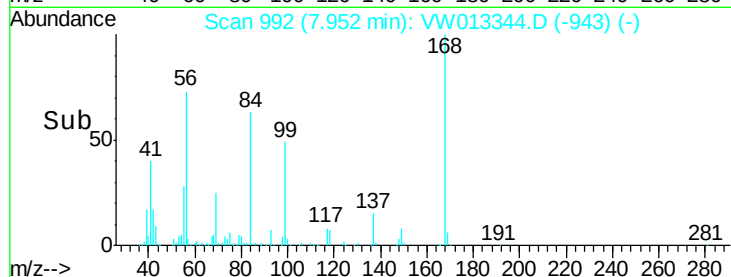
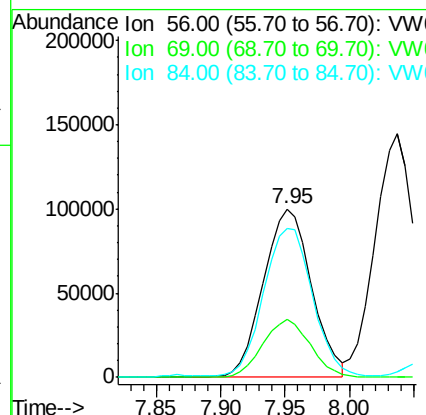
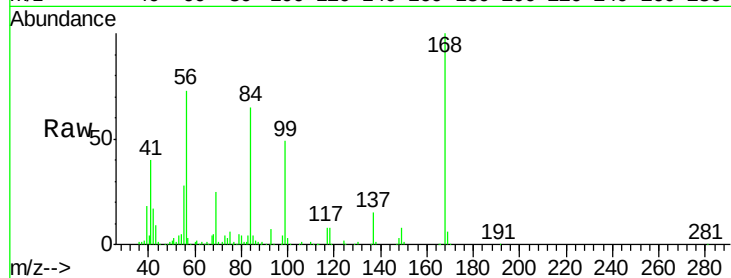
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	259579
Ion	Ratio	Lower	Upper
56	100		
69	34.5	27.2	40.8
84	87.2	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 49.679 ug/l

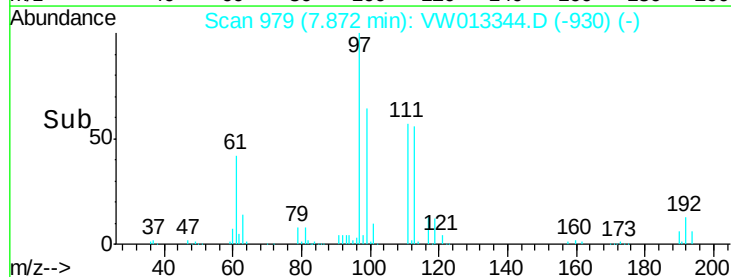
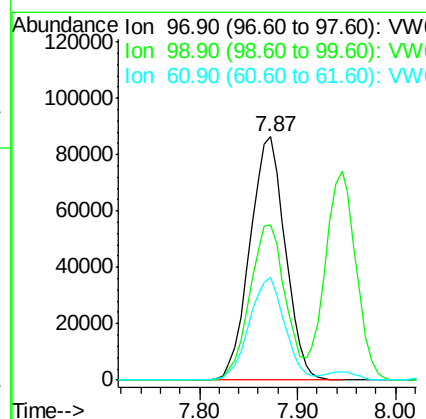
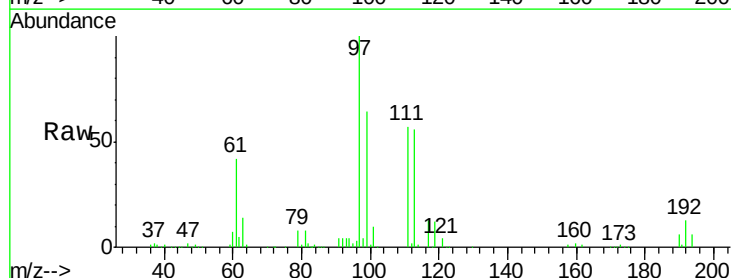
RT: 7.87 min Scan# 979

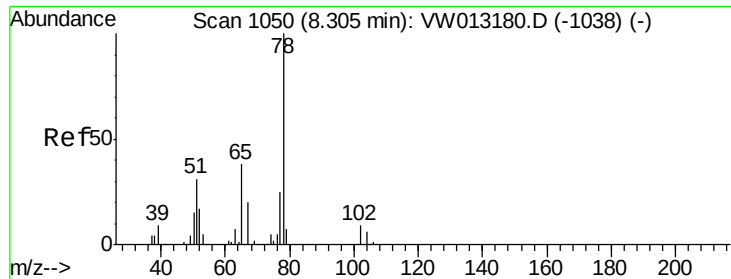
Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tgt Ion:	97	Resp:	216457
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	42.1	34.6	51.8





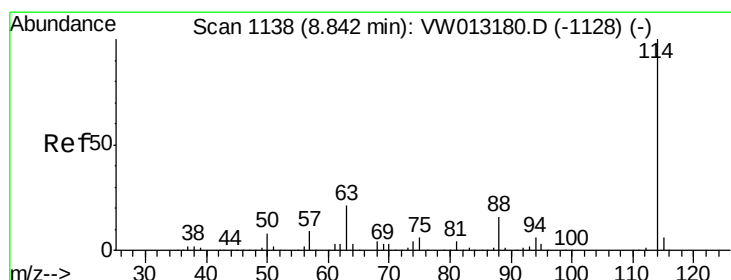
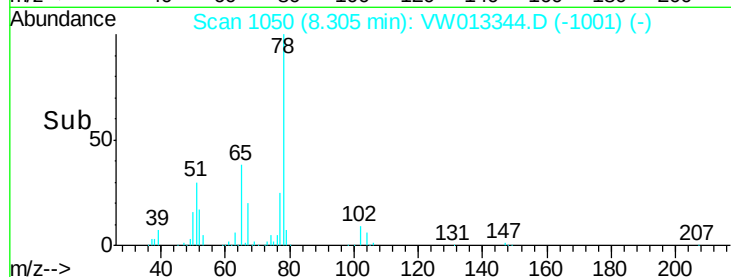
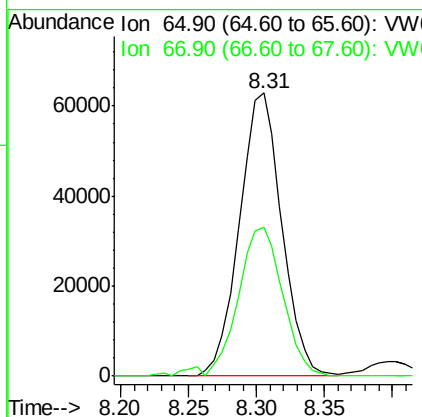
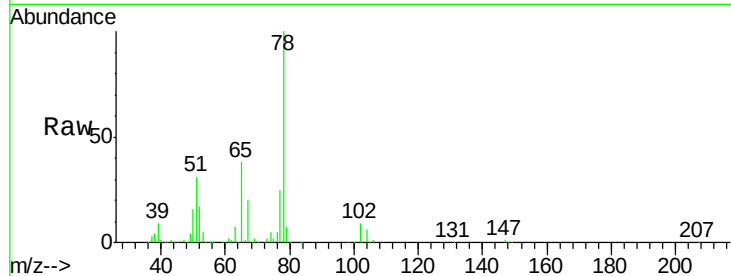
#33
 1,2-Dichloroethane-d4
 Concen: 51.709 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	136639		
67	54.5	0.0	106.2	

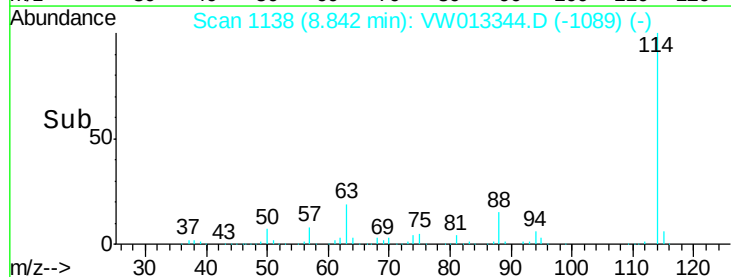
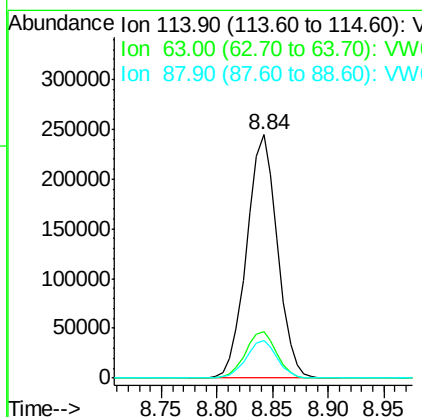
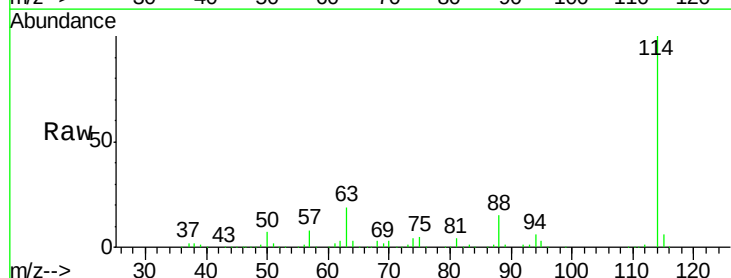
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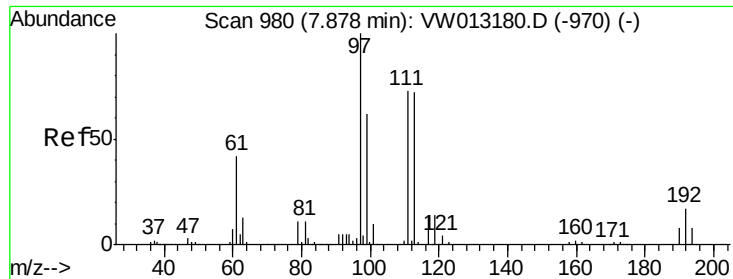
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	469743		
63	19.3	0.0	41.4	
88	15.3	0.0	32.0	





#35

Dibromofluoromethane

Concen: 53.008 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

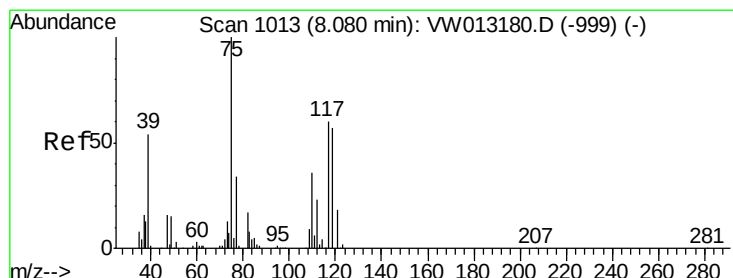
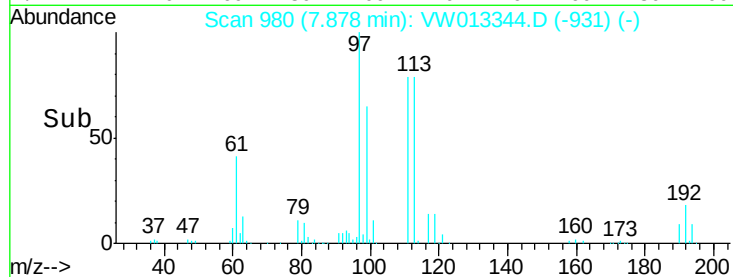
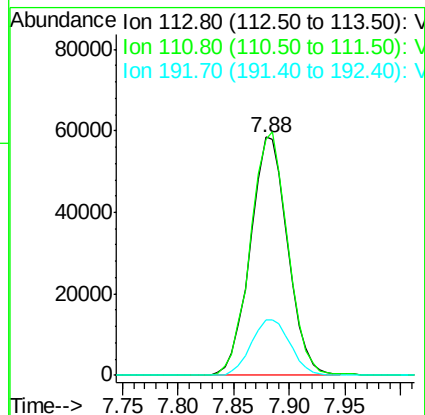
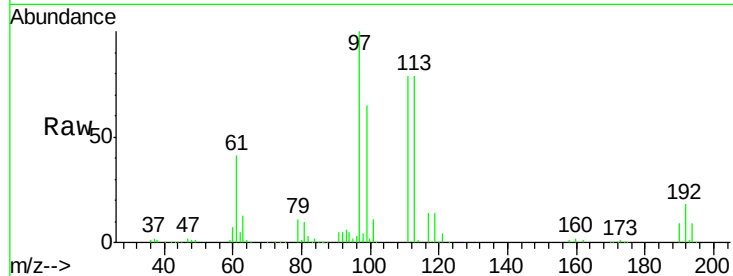
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	136950
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.9	122.9
192	24.4	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 48.454 ug/l

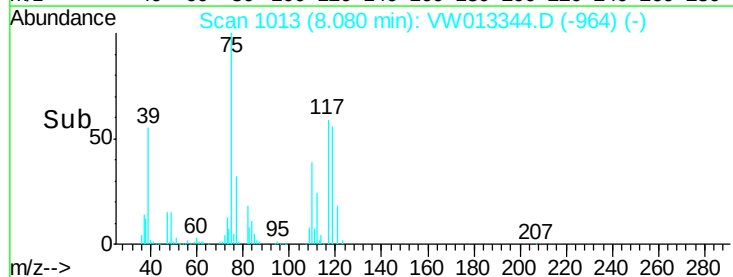
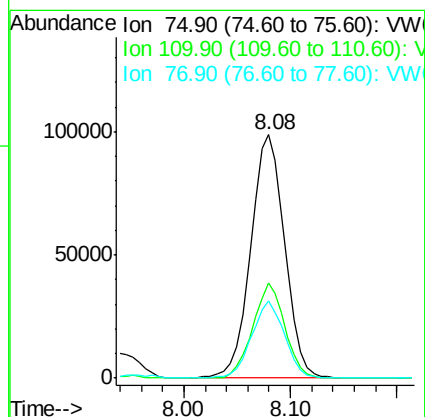
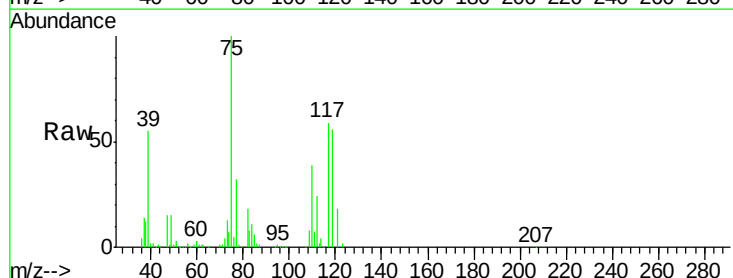
RT: 8.08 min Scan# 1013

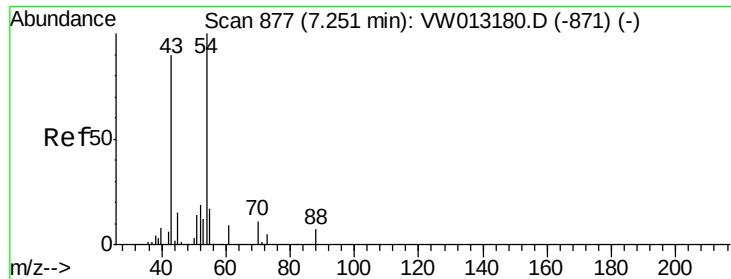
Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tgt Ion:	75	Resp:	220454
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.1	54.3
77	30.8	25.8	38.6





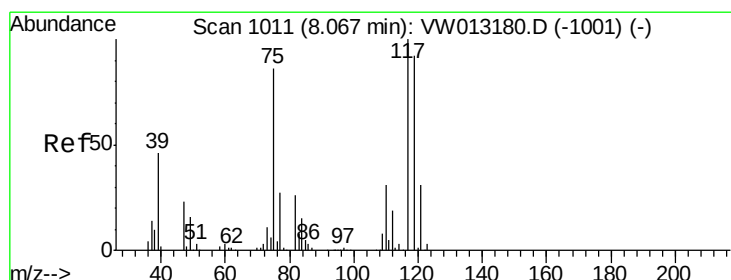
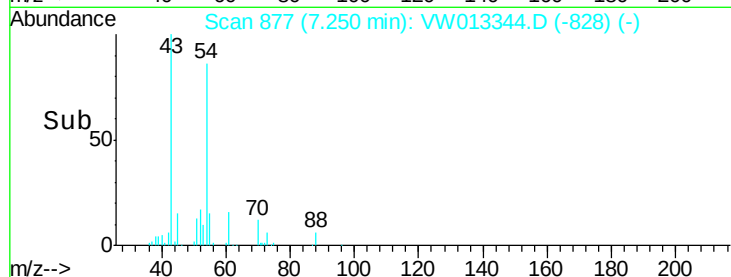
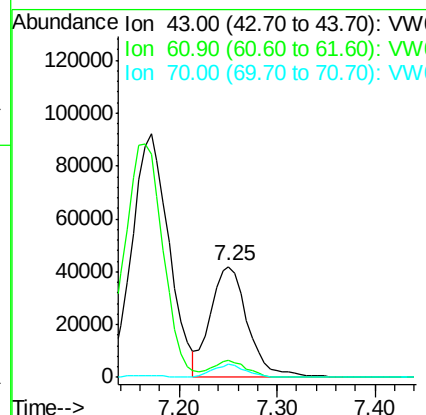
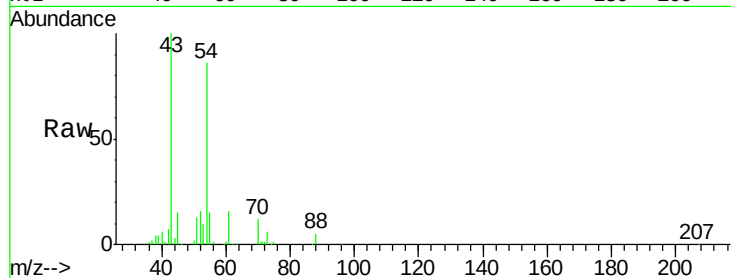
#37
Ethyl Acetate
Concen: 56.772 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	10.9	8.2	12.2

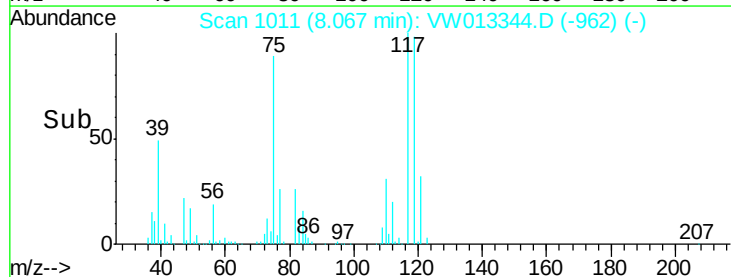
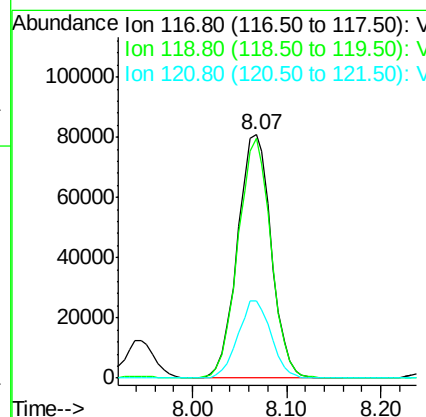
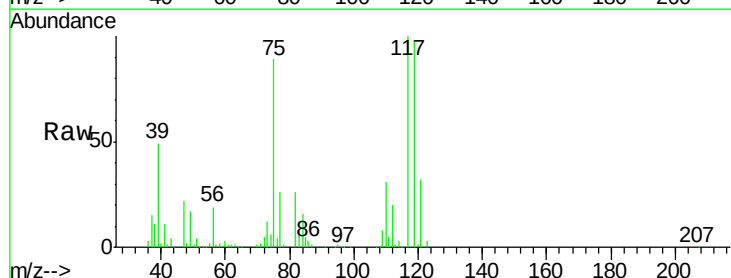
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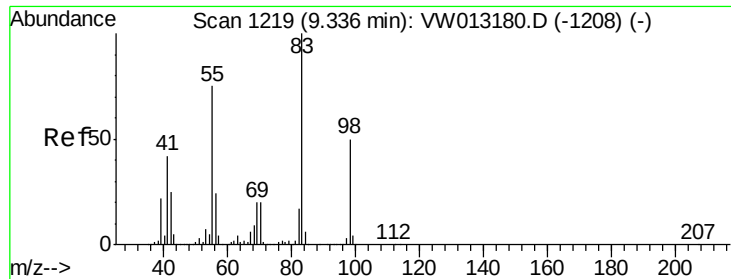
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#38
Carbon Tetrachloride
Concen: 49.412 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	73.5	110.3
121	31.7	25.0	37.6





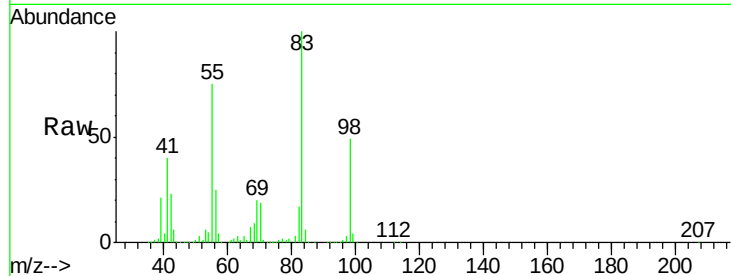
#39
Methylvlcyclohexane
Concen: 48.852 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

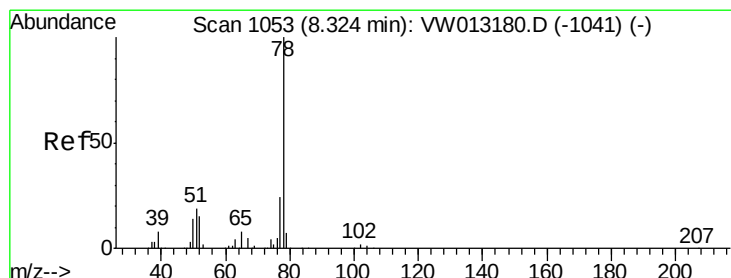
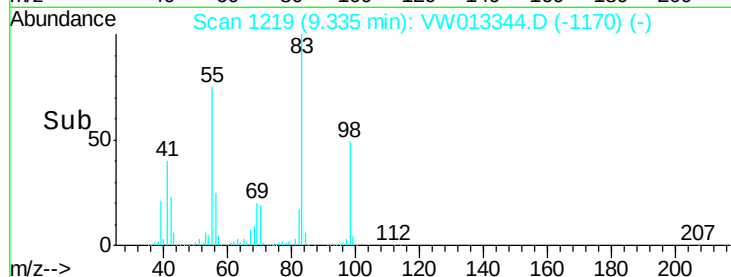
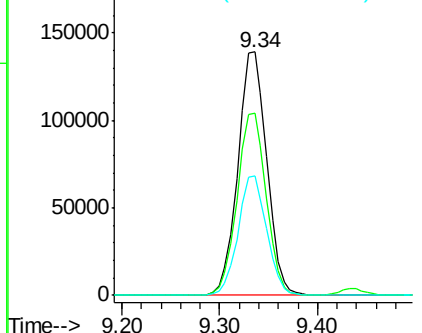
Tot Ion	Ratio	Resp	Lower	Upper
83	100	285637		
55	74.7		60.4	90.6
98	48.9		40.0	60.0

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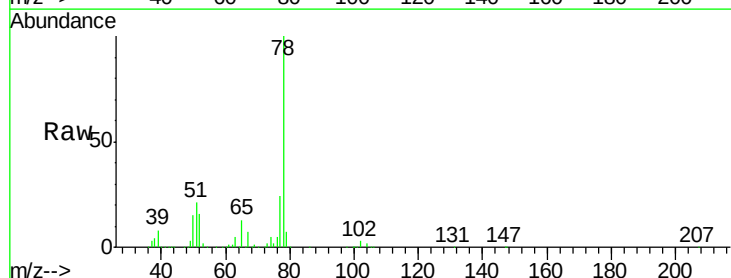


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

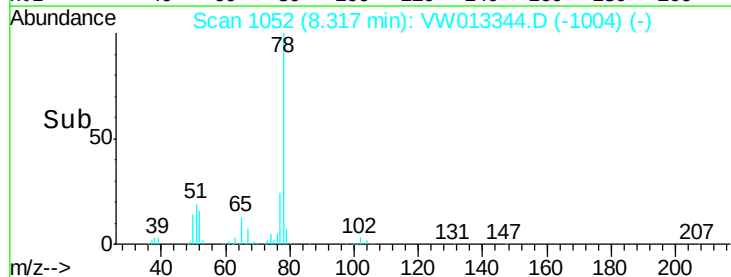
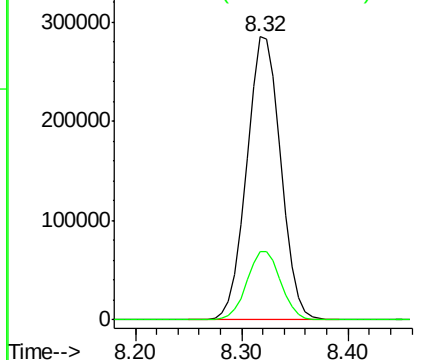


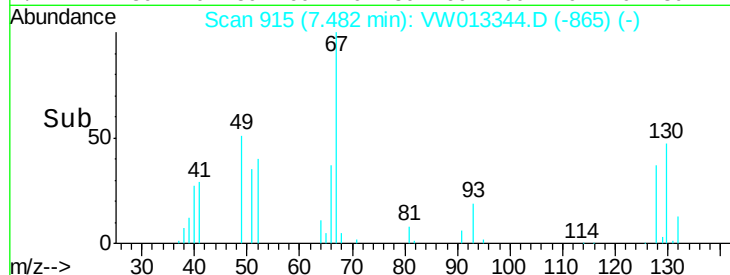
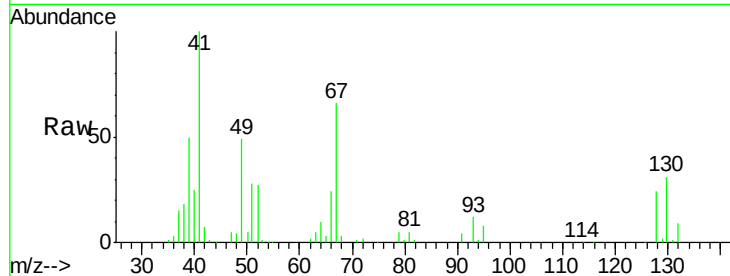
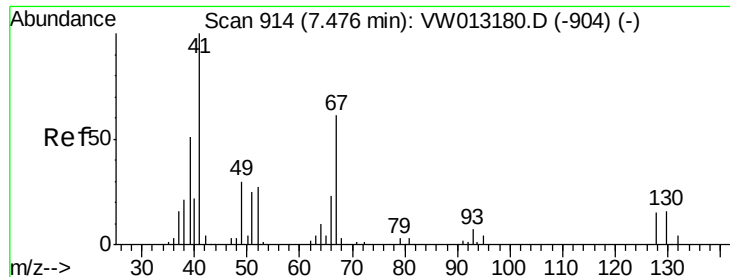
#40
Benzene
Concen: 50.571 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	641783		
77	24.0		19.1	28.7



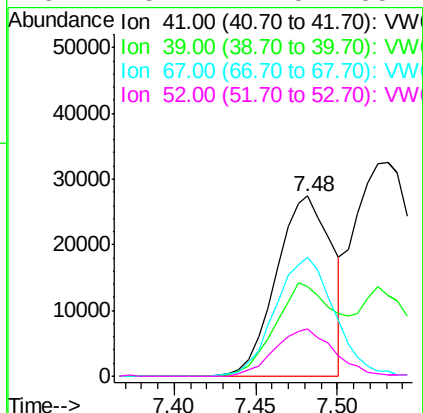
Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41
Methacrylonitrile
Concen: 56.115 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

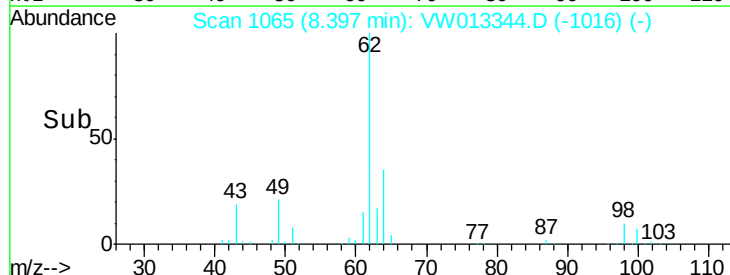
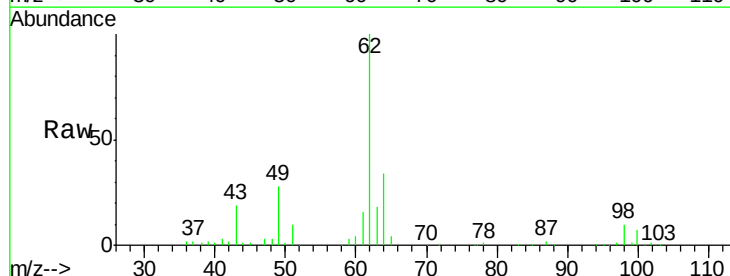
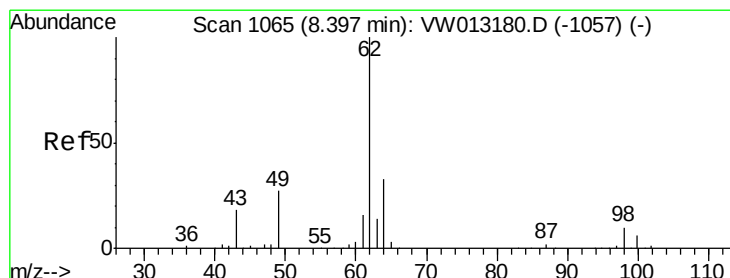
Tot Ion	41	Resp	64761
Ion Ratio	Lower	Upper	
41	100		
39	57.0	45.9	68.9
67	70.9	54.5	81.7
52	28.1	22.5	33.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

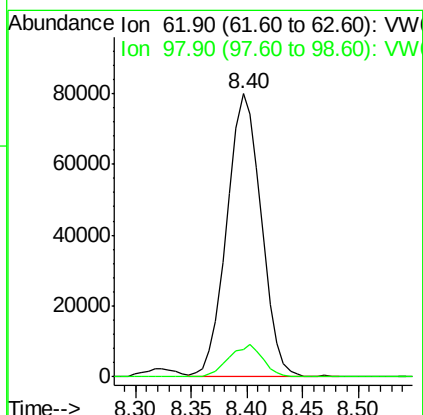
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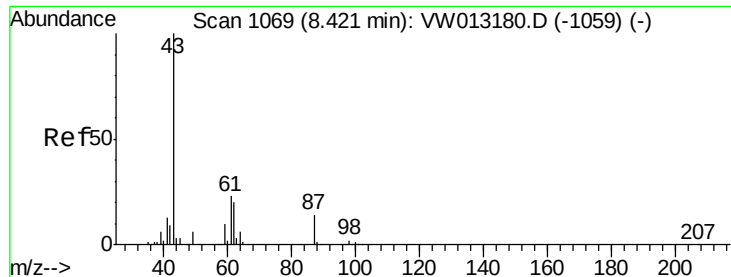
MMDadoda
10/1/2019 11:33:10 AM



#42
1,2-Dichloroethane
Concen: 50.160 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	62	Resp	171122
Ion Ratio	Lower	Upper	
62	100		
98	11.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 54.725 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

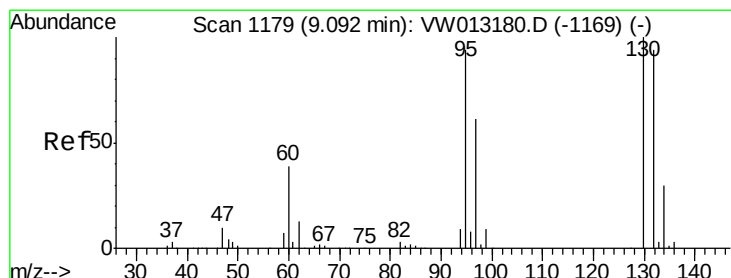
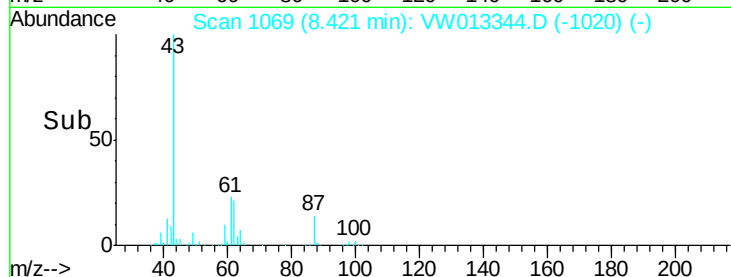
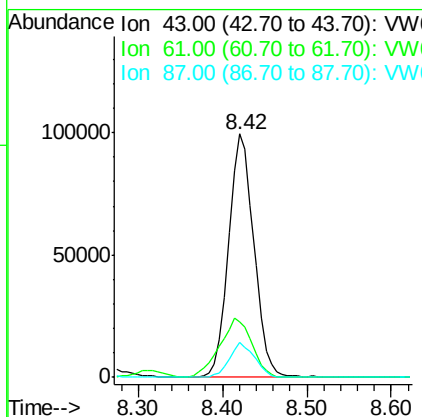
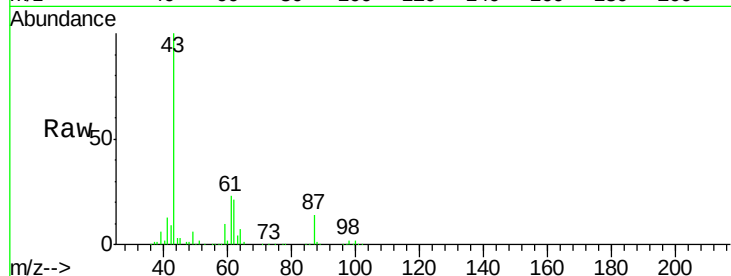
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	202814
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.5	38.3
87	14.2	11.0	16.4

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#44

Trichloroethene

Concen: 50.892 ug/l

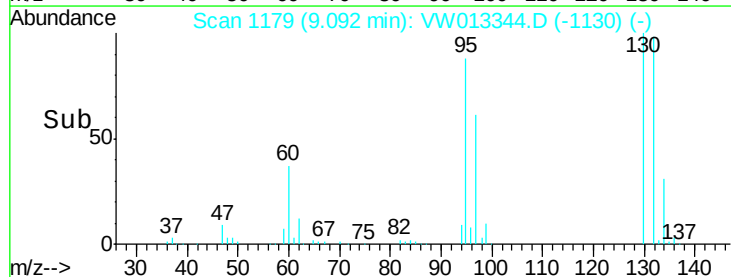
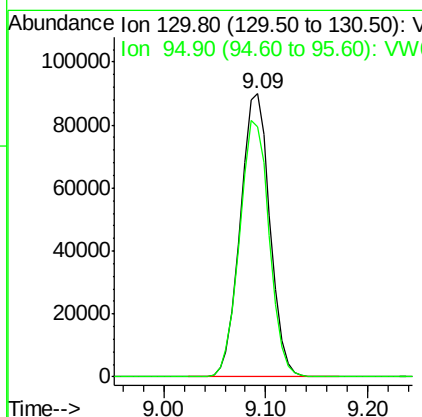
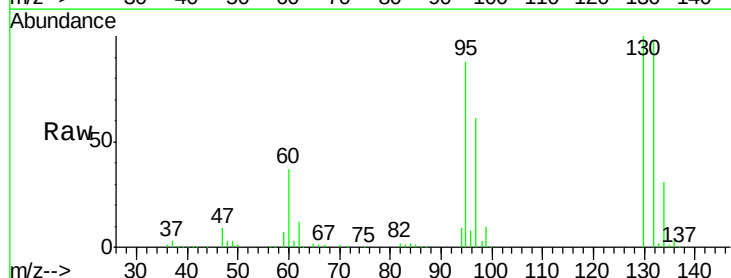
RT: 9.09 min Scan# 1179

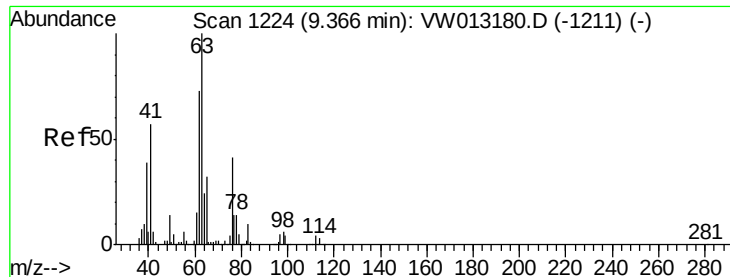
Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tgt Ion:	130	Resp:	181208
Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	188.0





#45

1,2-Dichloropropane

Concen: 51.628 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 159961

Ion Ratio Lower Upper

63 100

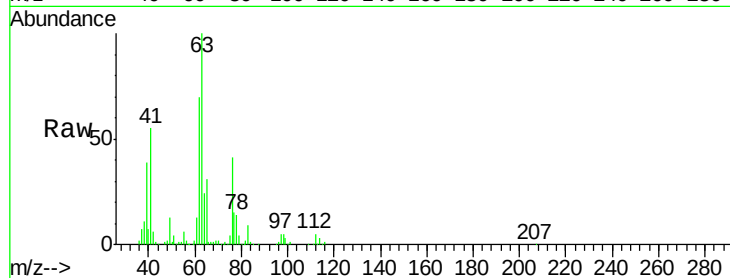
65 30.7 25.3 37.9

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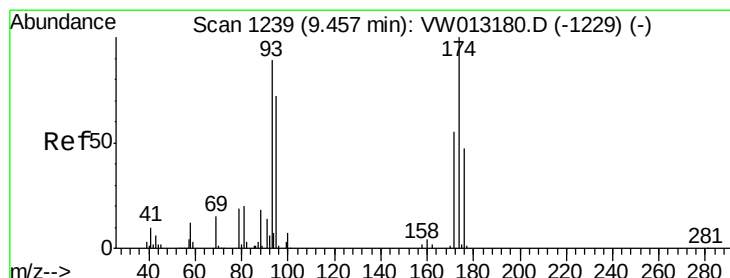
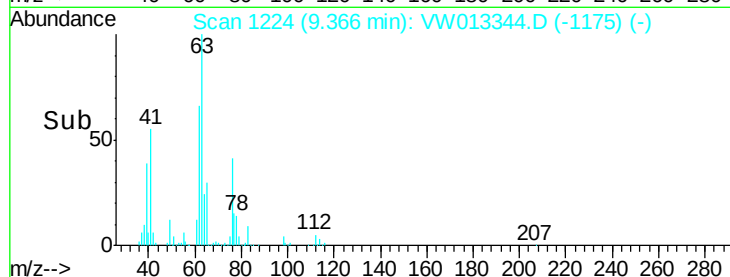
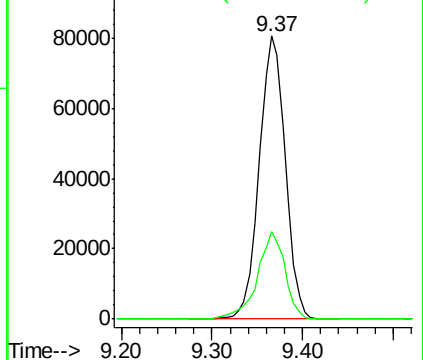
MMDadoda

10/1/2019 11:33:10 AM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 53.490 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

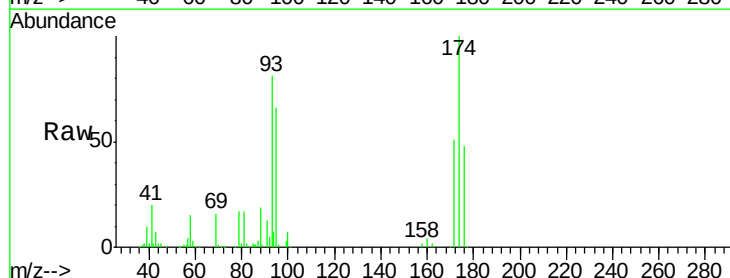
Tgt Ion: 93 Resp: 80461

Ion Ratio Lower Upper

93 100

95 82.7 66.4 99.6

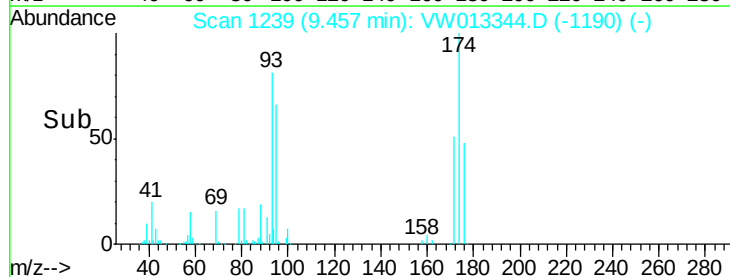
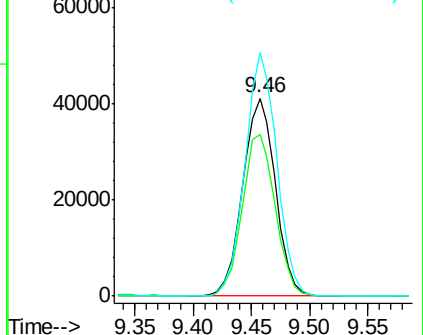
174 119.9 93.0 139.6

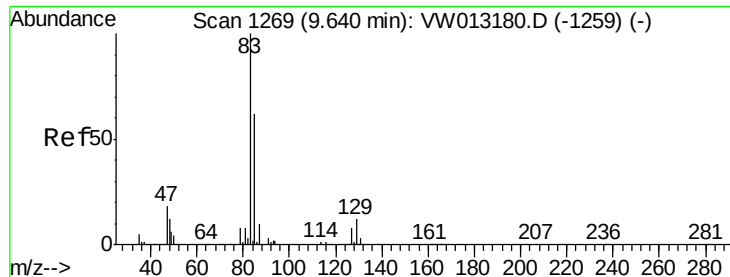


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.508 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

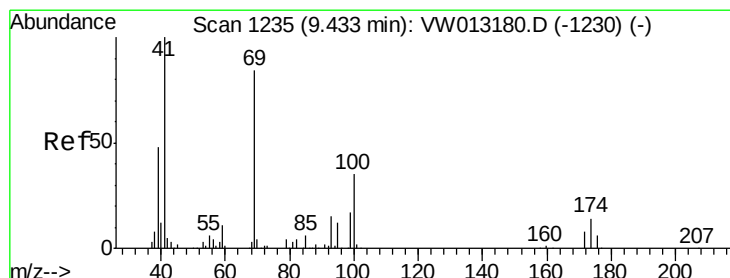
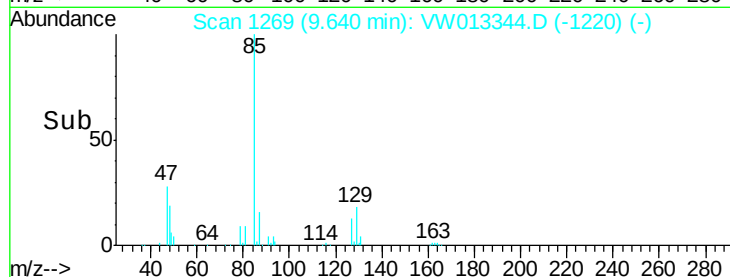
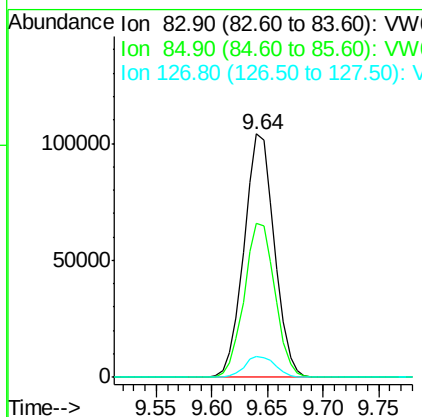
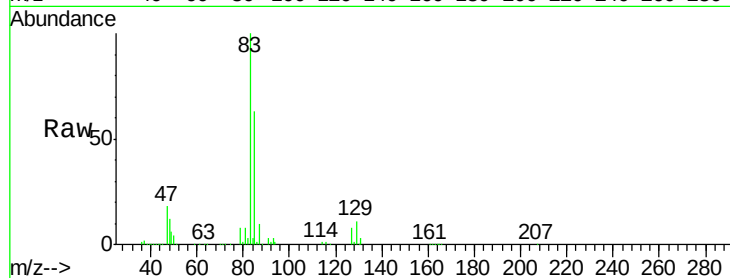
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	197152
Ion Ratio	Lower	Upper	
83	100		
85	63.1	49.4	74.2
127	8.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.683 ug/l

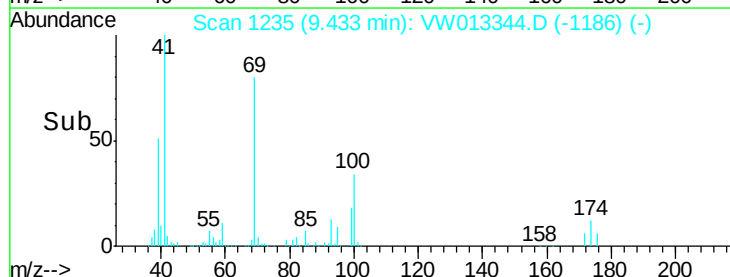
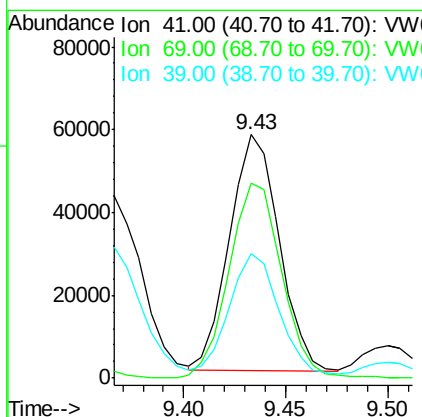
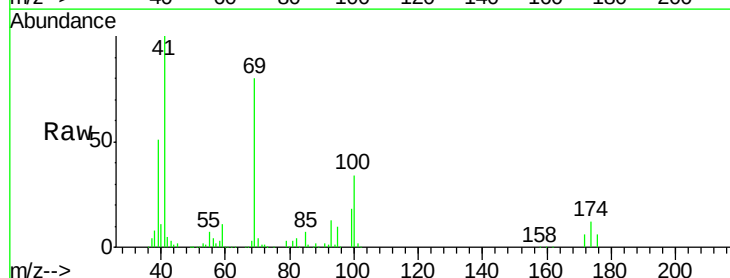
RT: 9.43 min Scan# 1235

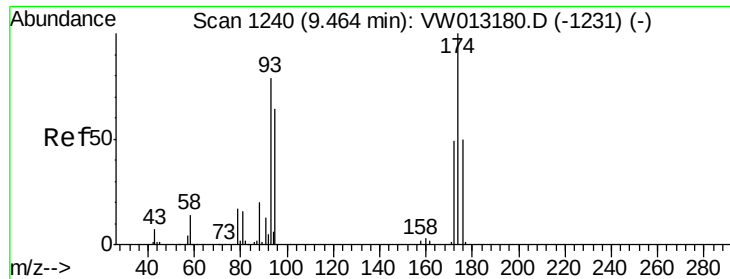
Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tgt Ion:	41	Resp:	97037
Ion Ratio	Lower	Upper	
41	100		
69	87.8	69.7	104.5
39	49.9	41.1	61.7





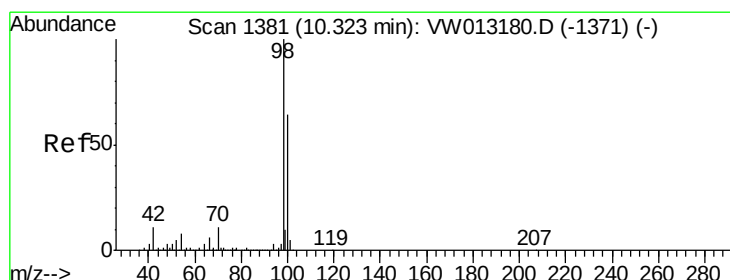
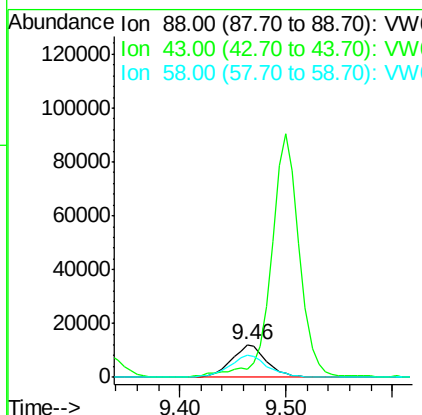
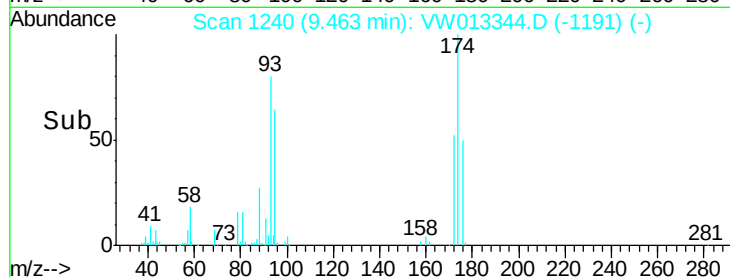
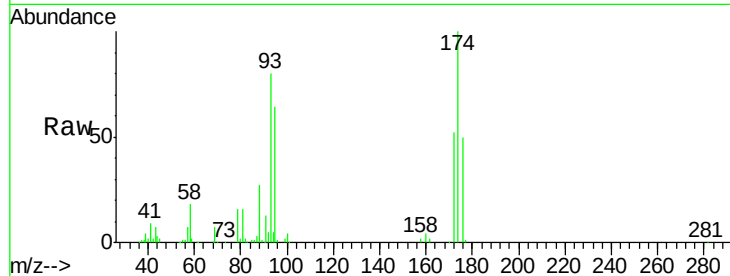
#49
1,4-Dioxane
Concen: 1219.111 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	27527
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.4	65.4	98.0

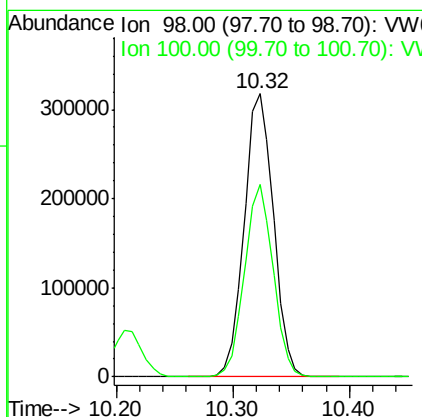
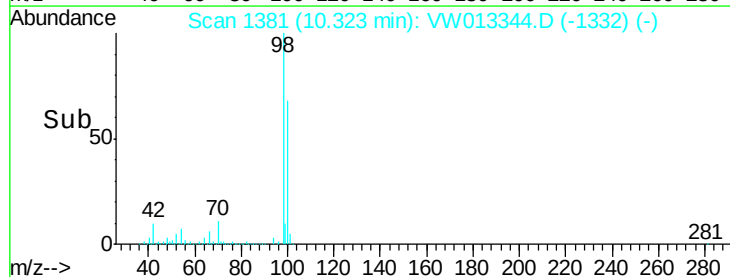
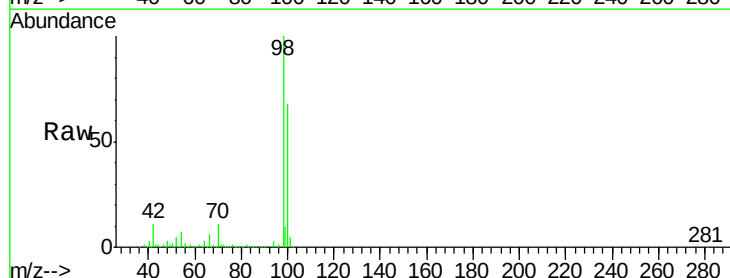
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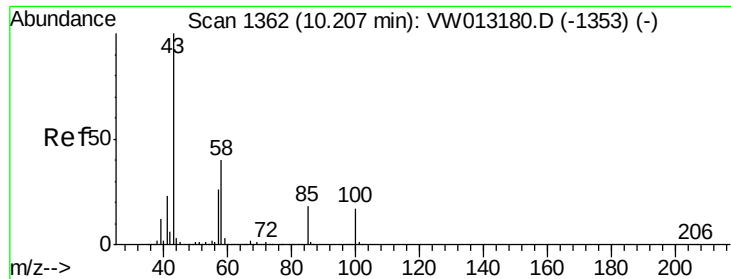
MMDadoda
10/1/2019 11:33:10 AM



#50
Toluene-d8
Concen: 51.699 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	98	Resp	558997
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 289.026 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 536987

Ion Ratio Lower Upper

43 100

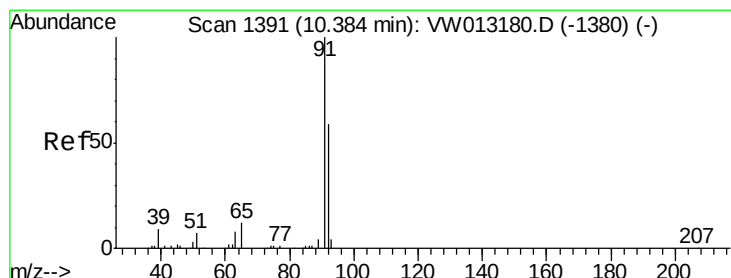
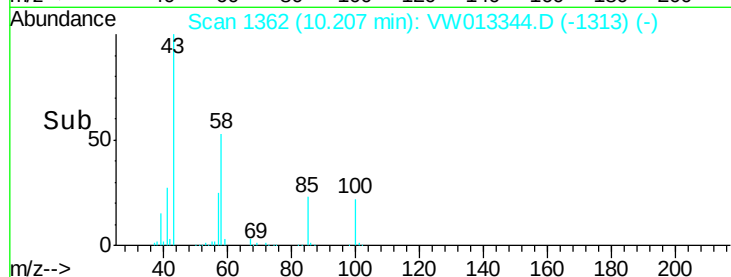
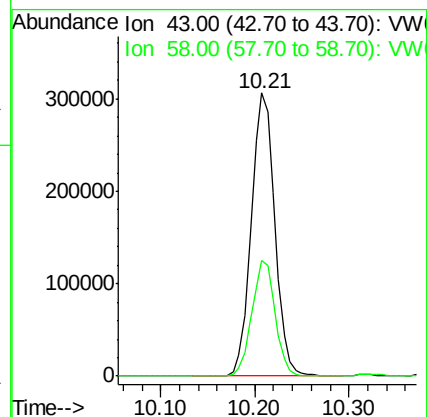
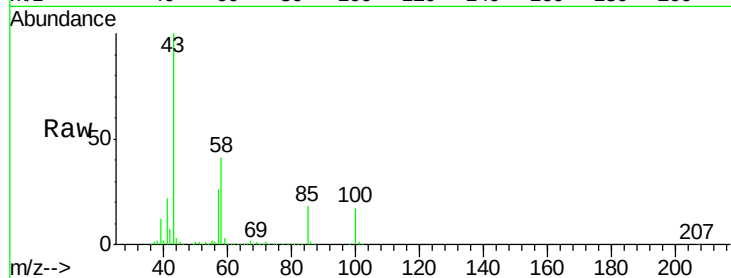
58 40.4 31.7 47.5

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#52

Toluene

Concen: 51.417 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013344.D

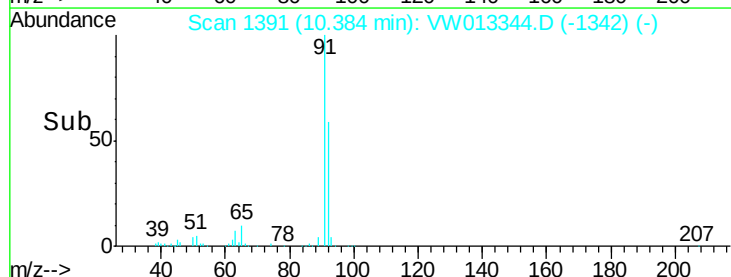
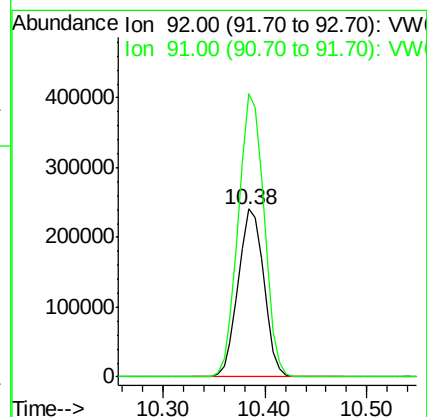
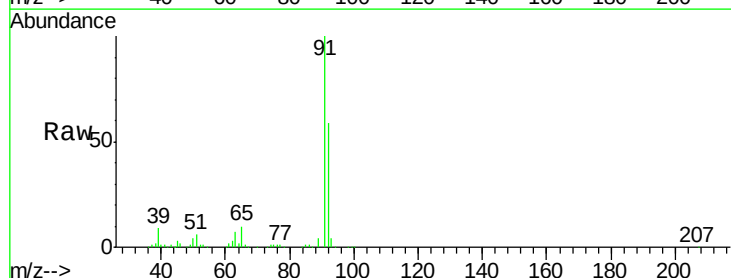
Acq: 30 Sep 2019 20:01

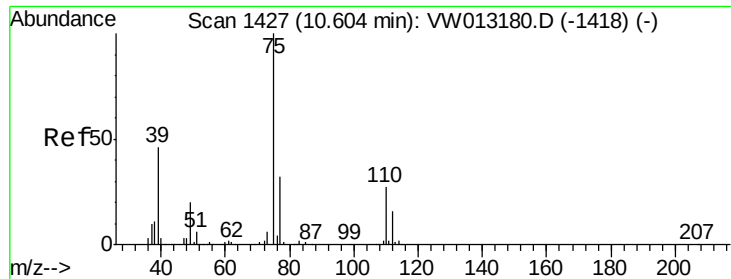
Tgt Ion: 92 Resp: 418192

Ion Ratio Lower Upper

92 100

91 169.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 52.955 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 208244

Ion Ratio Lower Upper

75 100

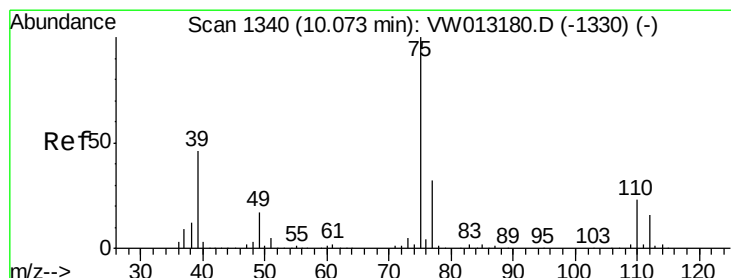
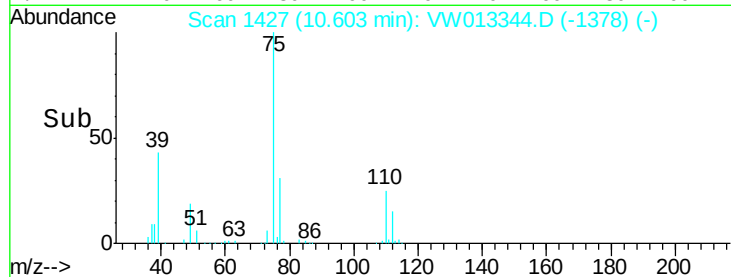
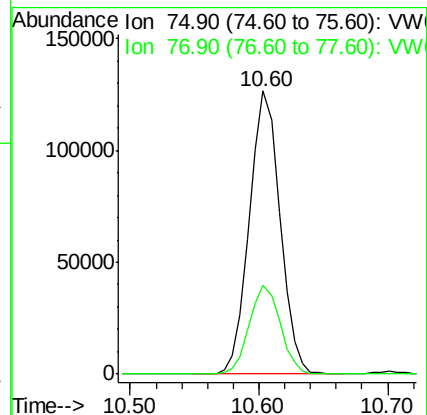
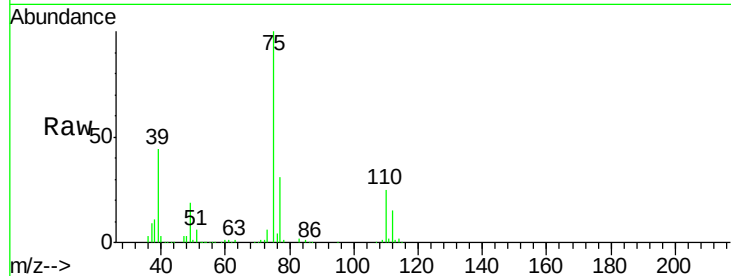
77 31.4 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 52.245 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

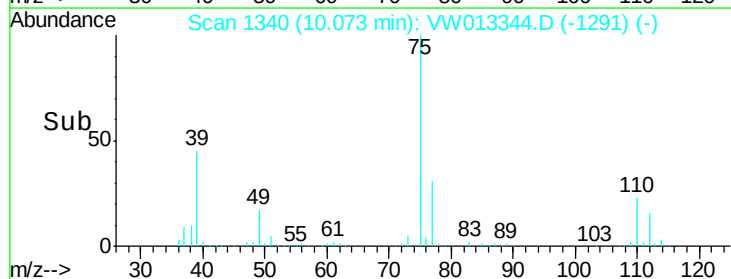
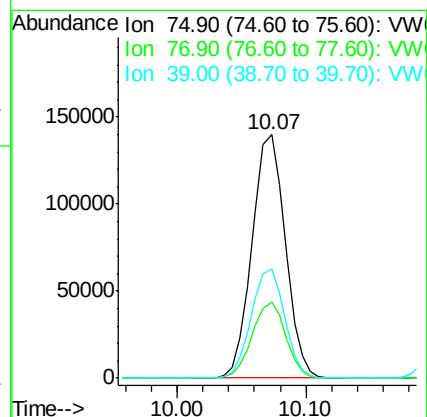
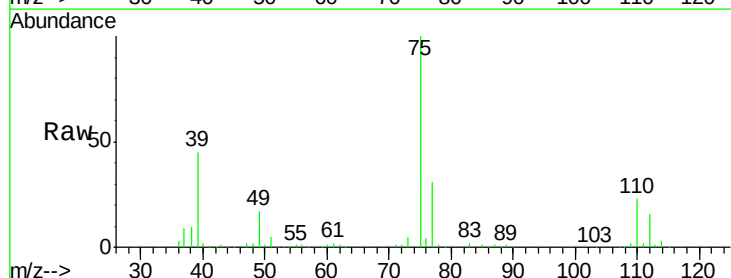
Tgt Ion: 75 Resp: 249803

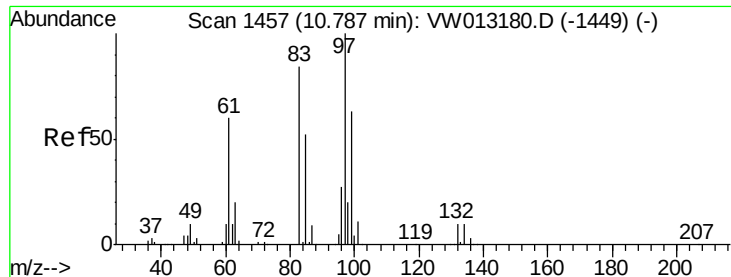
Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

39 44.5 36.6 55.0





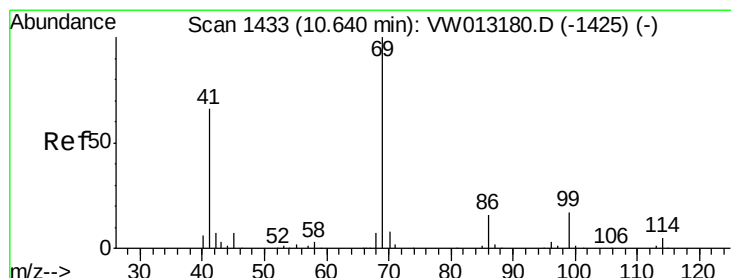
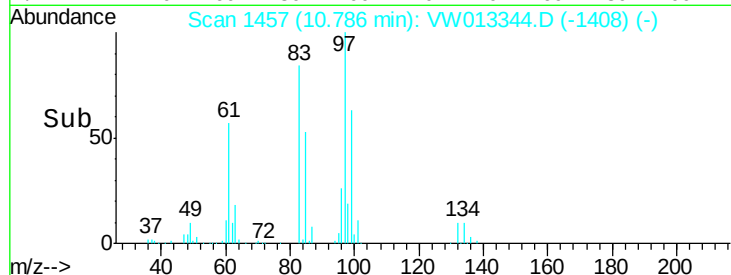
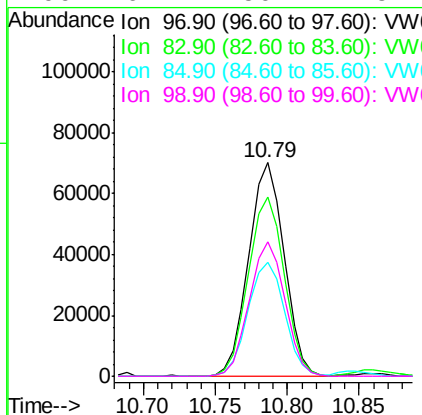
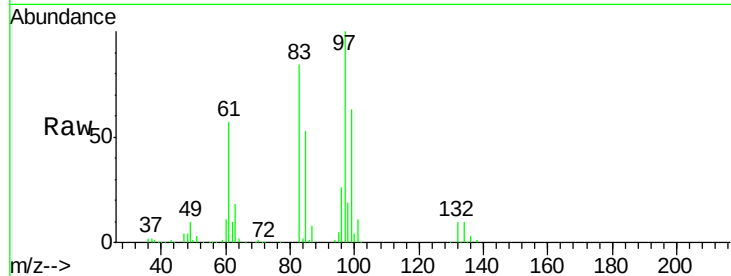
#55
 1,1,2-Trichloroethane
 Concen: 53.143 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		119484		
83	83.8	67.6	101.4		
85	53.4	41.9	62.9		
99	62.7	50.1	75.1		

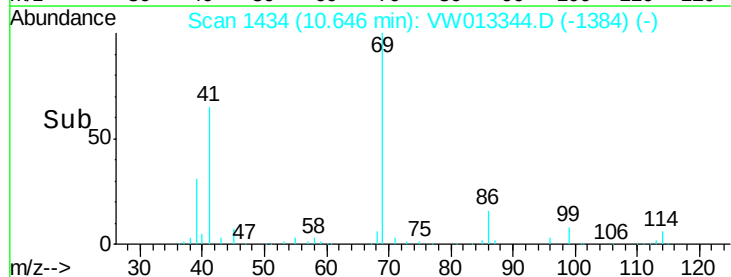
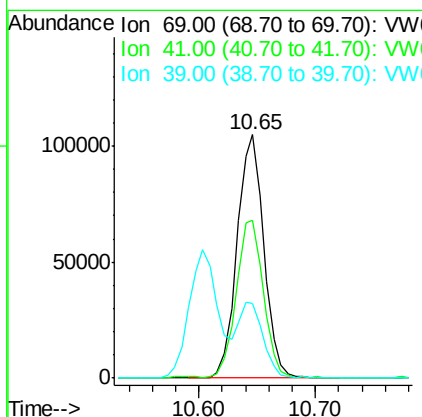
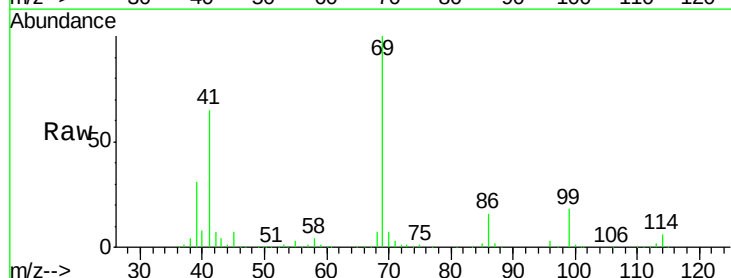
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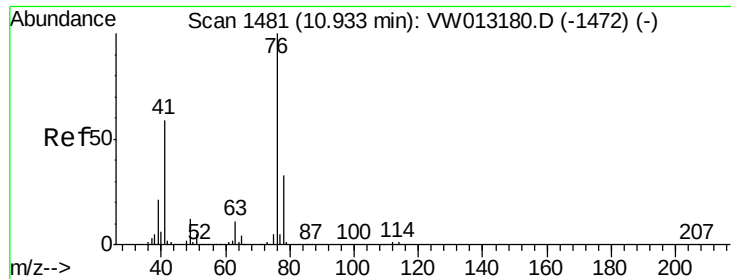
MMDadoda
 10/1/2019 11:33:10 AM



#56
 Ethyl methacrylate
 Concen: 57.049 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		167866		
41	65.7	53.9	80.9		
39	28.7	23.8	35.6		





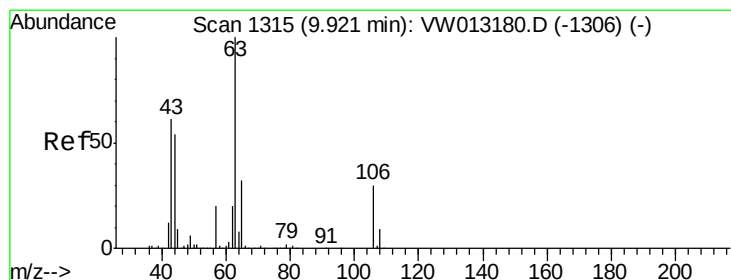
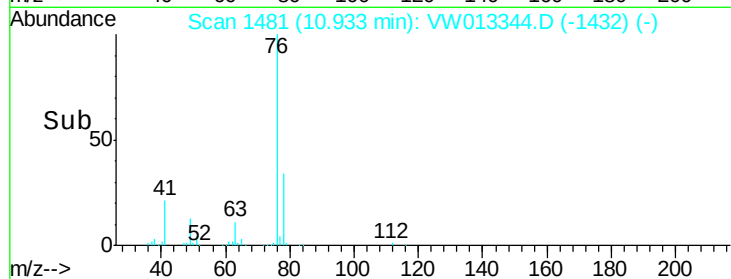
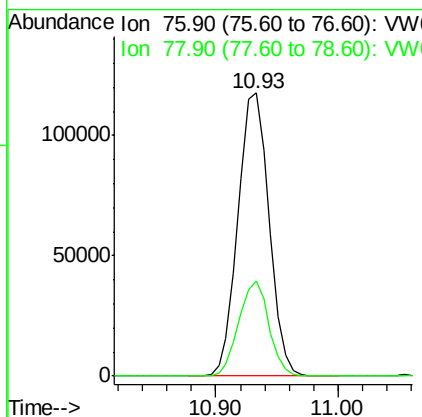
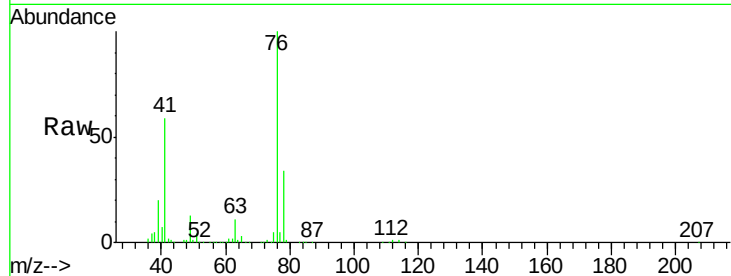
#57
 1,3-Dichloropropane
 Concen: 53.025 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

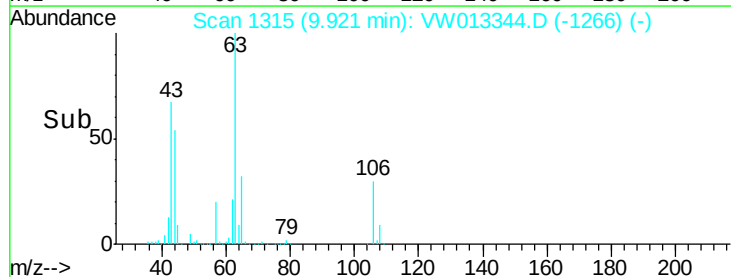
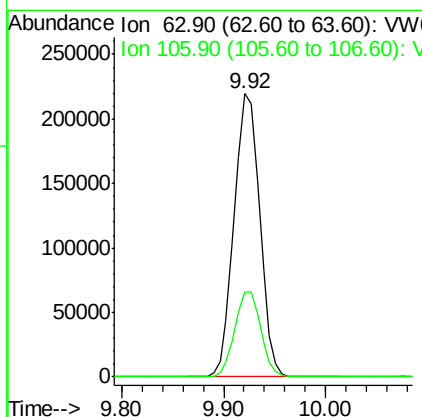
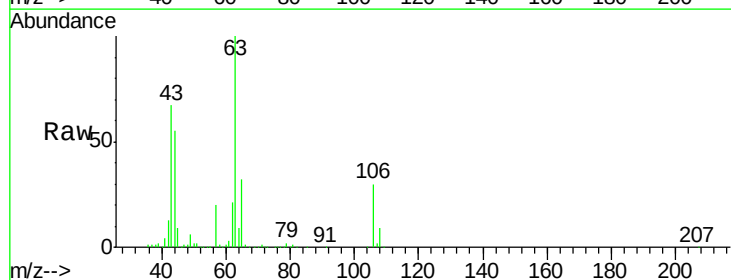
Manual Integrations
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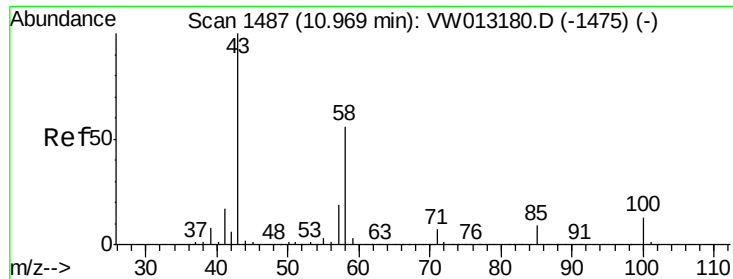
MMDadoda
 10/1/2019 11:33:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.725 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.4	35.0





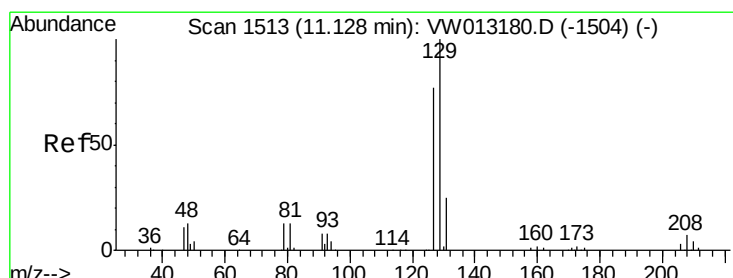
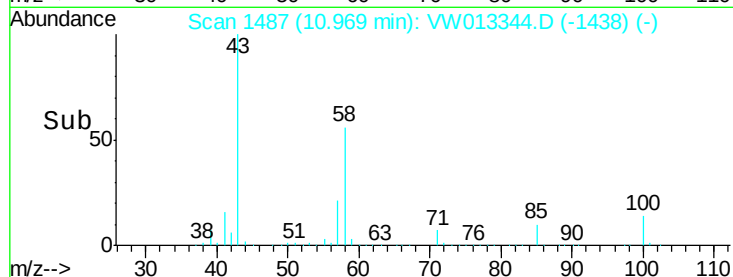
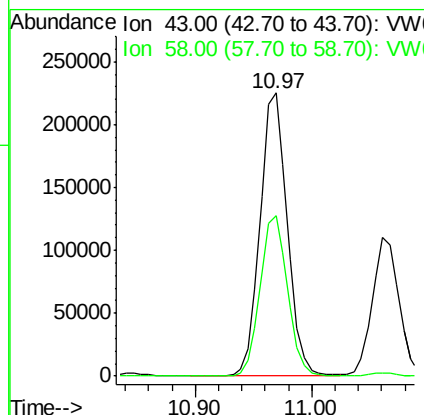
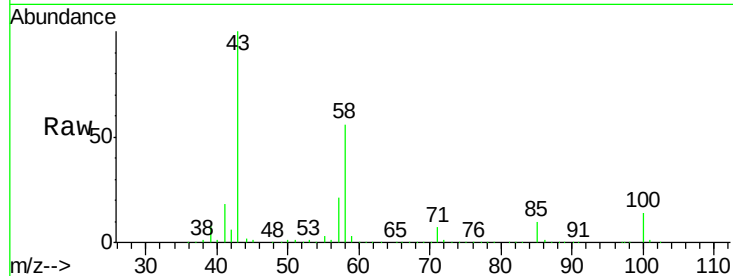
#59
2-Hexanone
Concen: 287.653 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 367691
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.2

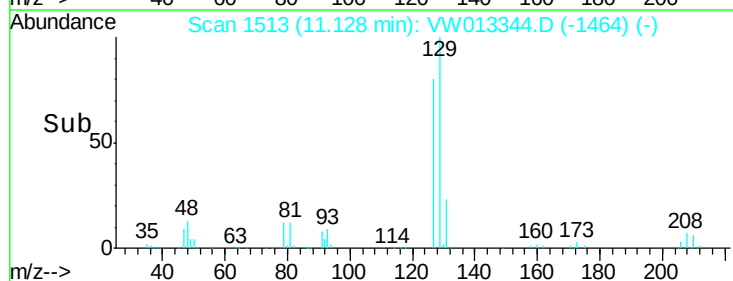
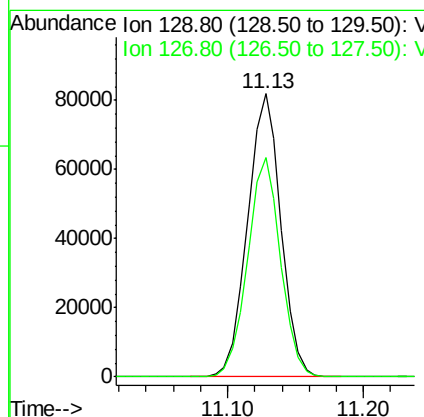
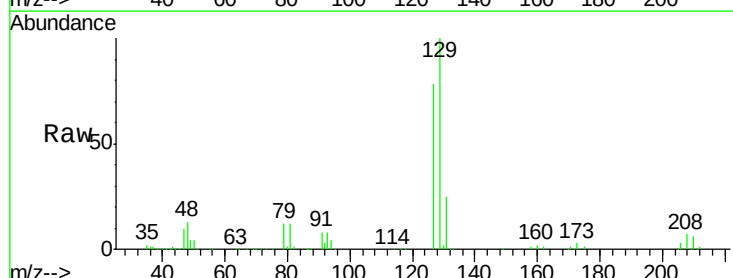
Manual Integrations
APPROVED

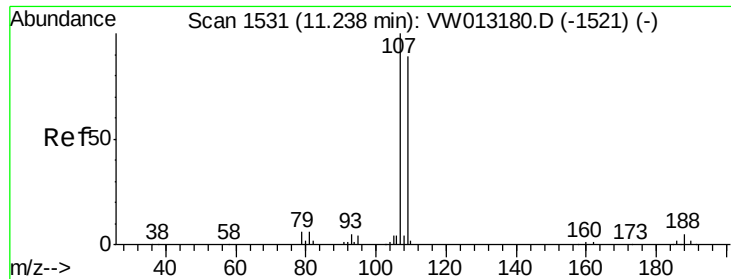
MMDadoda
10/1/2019 11:33:10 AM



#60
Dibromochloromethane
Concen: 54.937 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion: 129 Resp: 140253
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.4





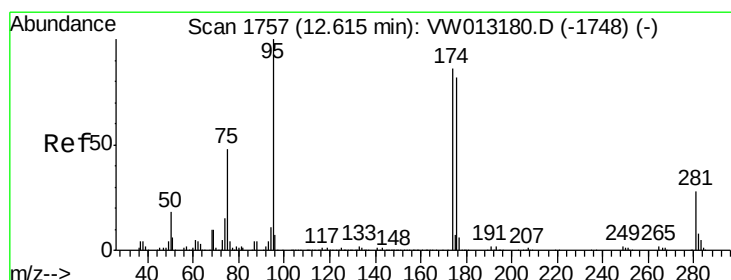
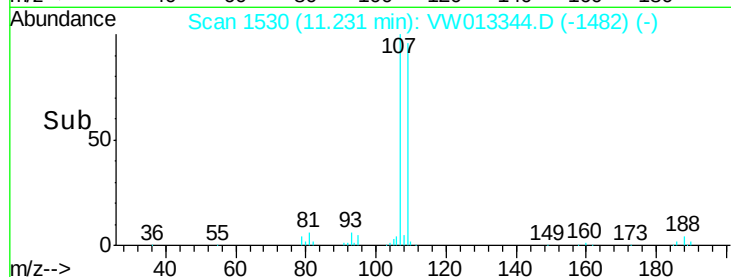
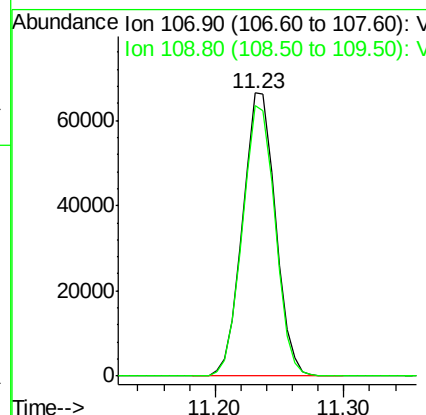
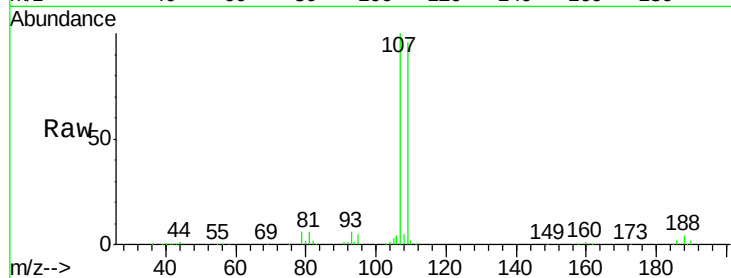
#61
 1,2-Dibromoethane
 Concen: 54.930 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.2	112.8

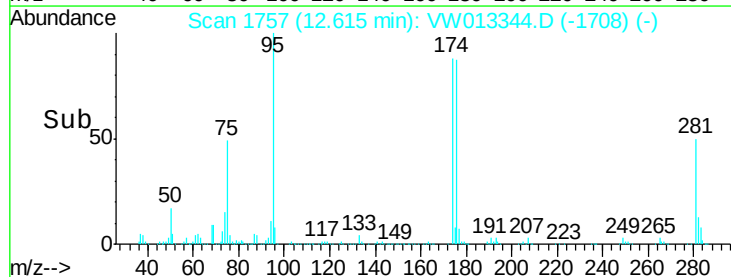
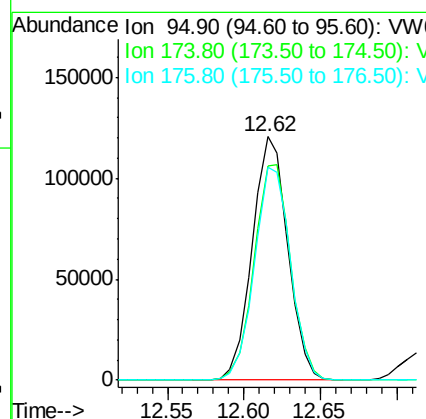
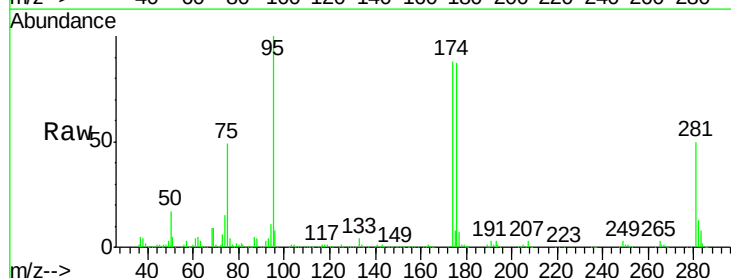
Manual Integrations
 APPROVED

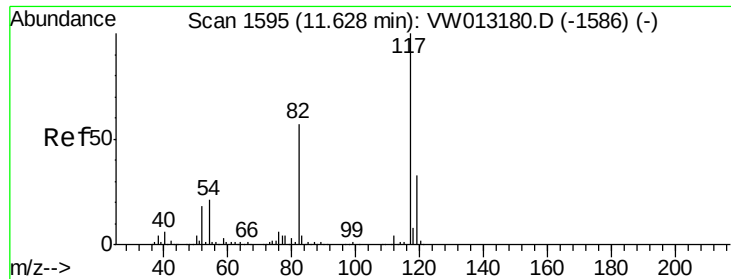
MMDadoda
 10/1/2019 11:33:10 AM



#62
 4-Bromofluorobenzene
 Concen: 52.676 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	178.4
176	88.9	0.0	172.2





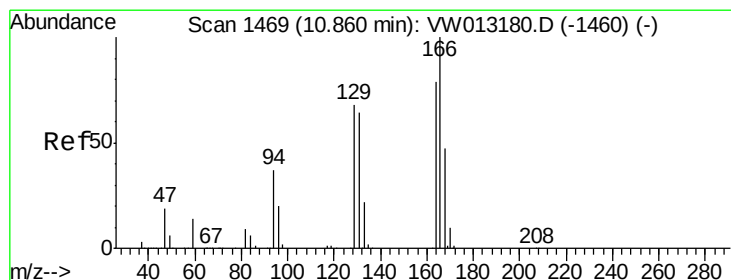
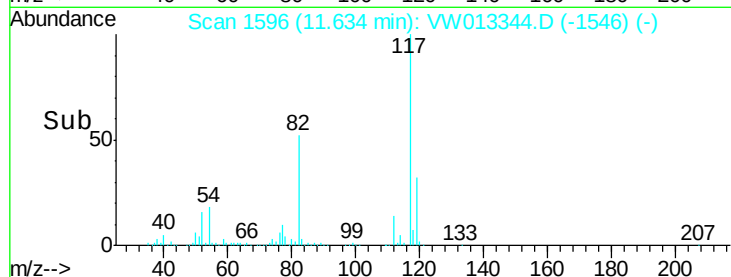
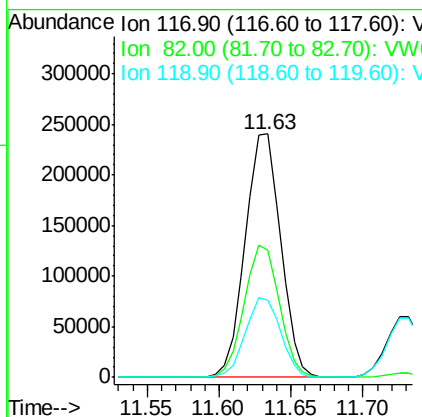
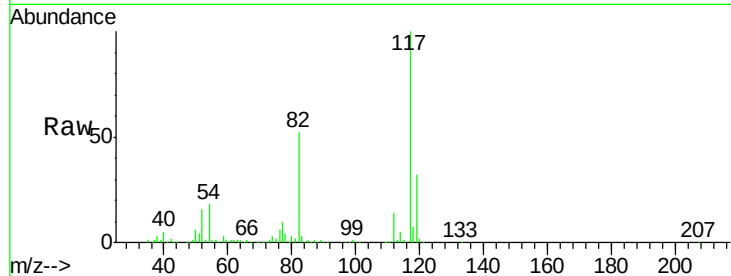
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.9	68.9
119	31.8	26.2	39.2

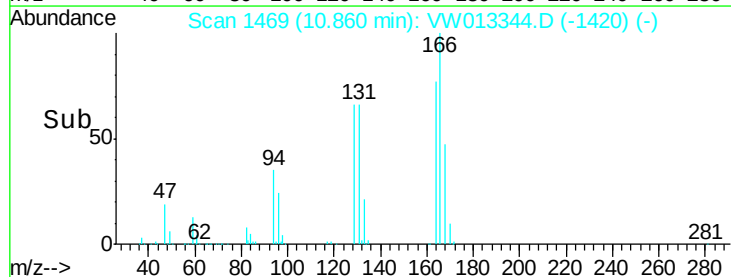
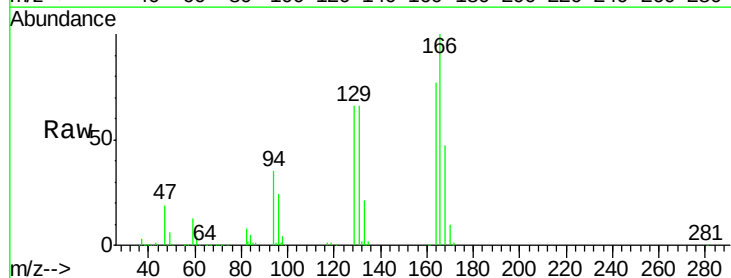
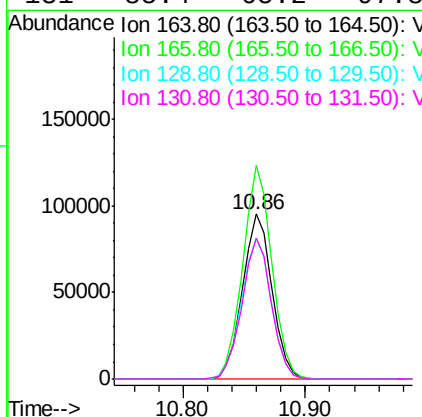
Manual Integrations
APPROVED

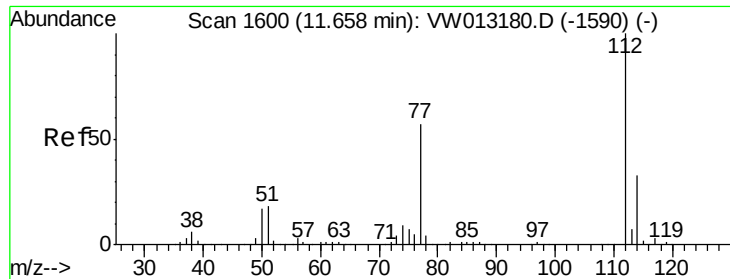
MMDadoda
10/1/2019 11:33:10 AM



#64
Tetrachloroethene
Concen: 50.959 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.2	151.8
129	85.5	68.8	103.2
131	85.4	65.2	97.8





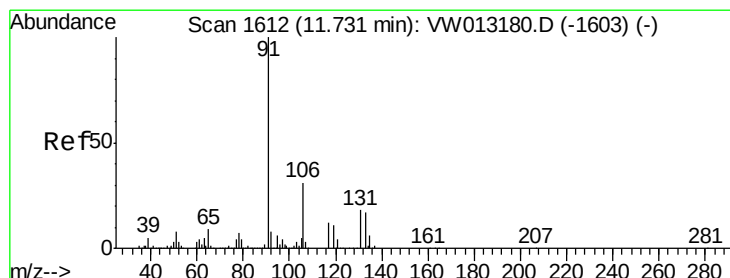
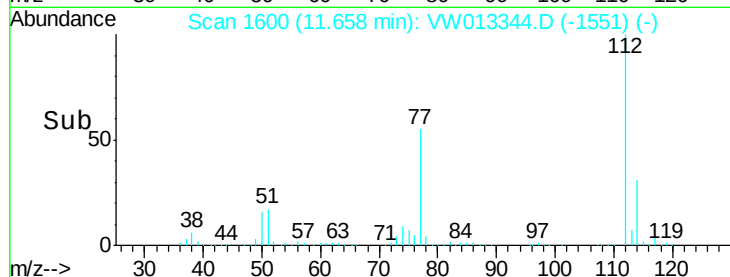
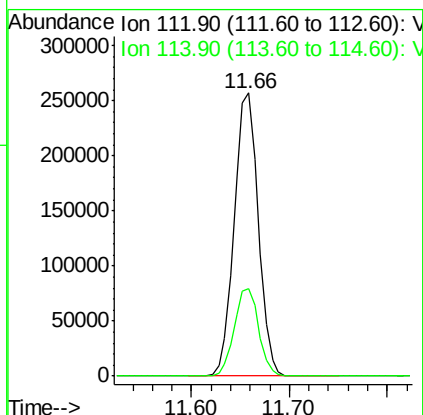
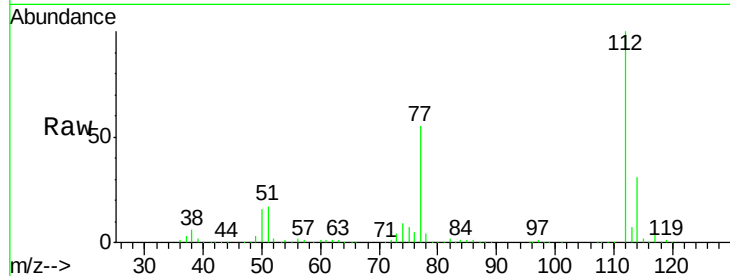
#65
Chlorobenzene
Concen: 51.176 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 439250
Ion Ratio Lower Upper
112 100
114 31.1 26.5 39.7

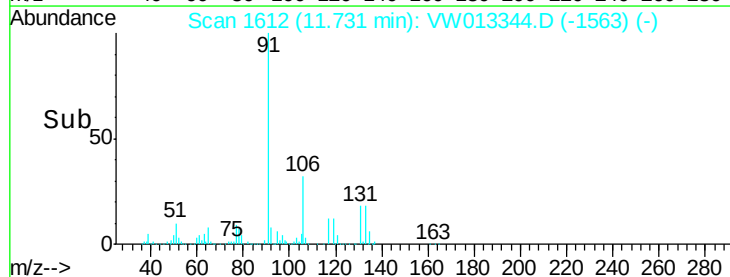
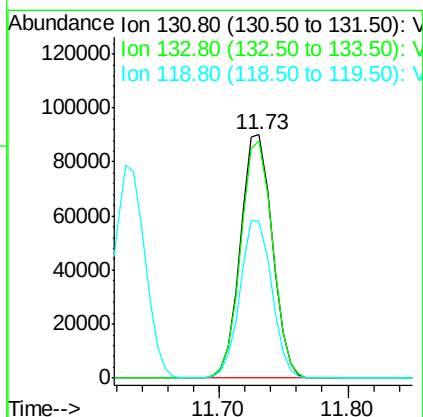
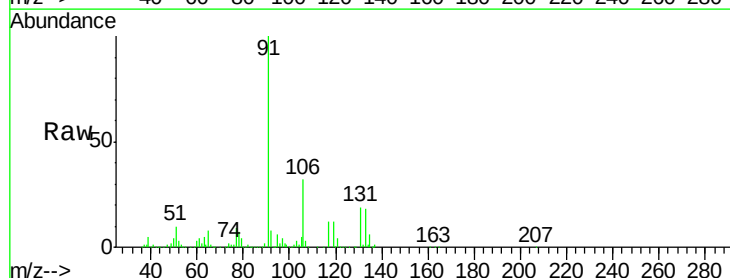
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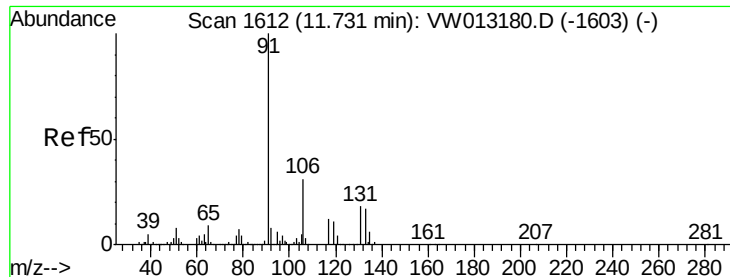
MMDadoda
10/1/2019 11:33:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.651 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion:131 Resp: 154387
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.6
119 64.8 32.5 97.5





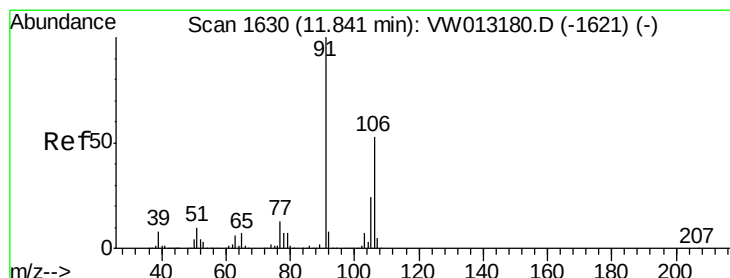
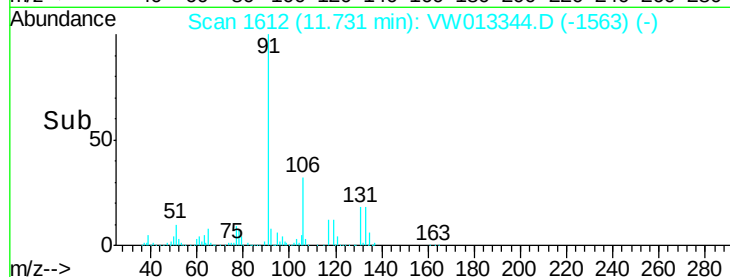
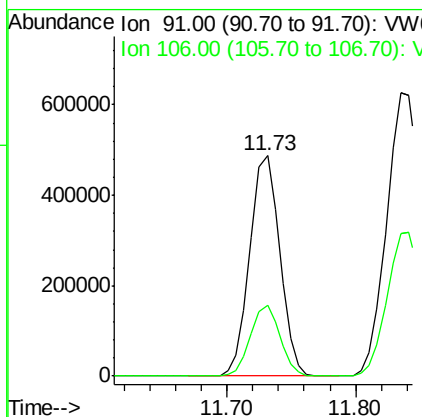
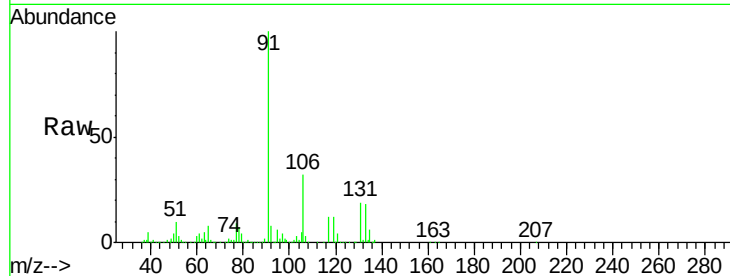
#67
Ethyl Benzene
Concen: 50.599 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	91	Resp	786887
Ion Ratio	Lower	Upper	
91	100		
106	32.0	24.9	37.3

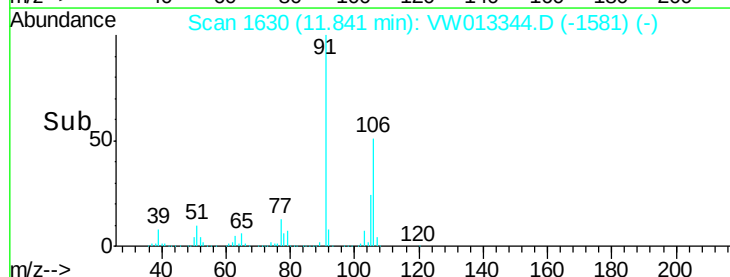
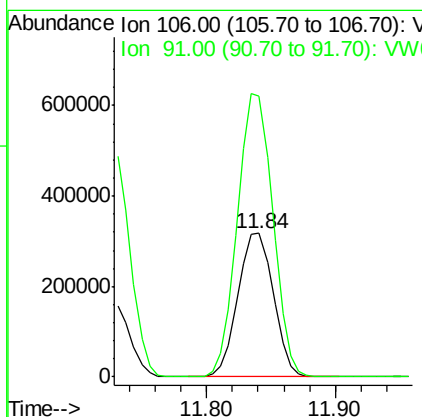
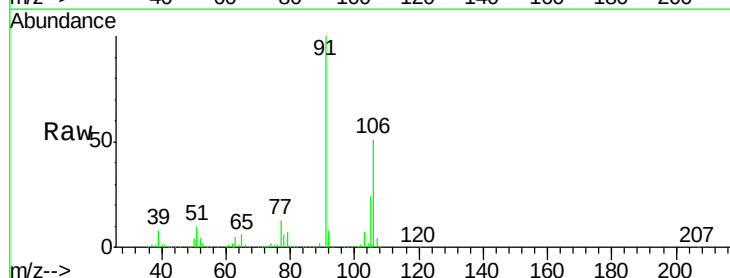
Manual Integrations
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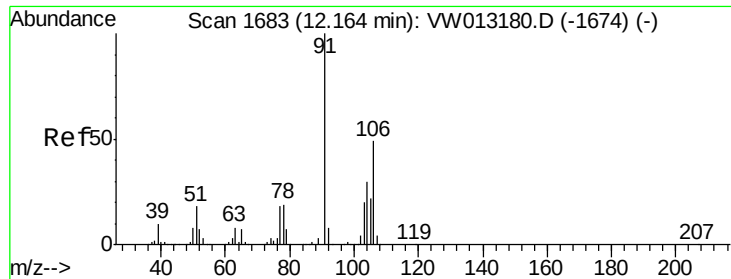
MMDadoda
10/1/2019 11:33:10 AM



#68
m/p-Xylenes
Concen: 102.638 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	106	Resp	608247
Ion Ratio	Lower	Upper	
106	100		
91	196.7	157.9	236.9





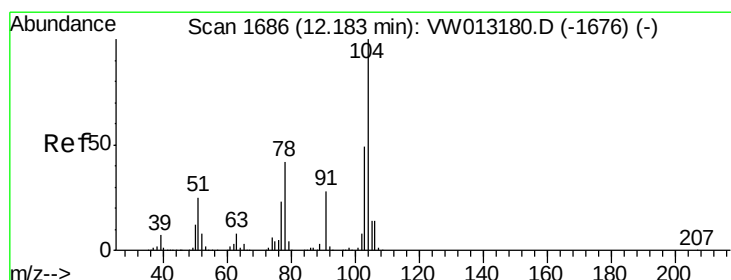
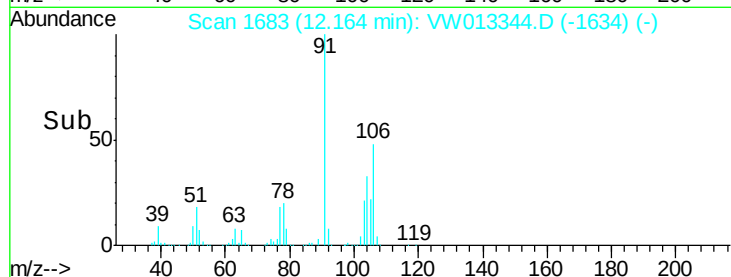
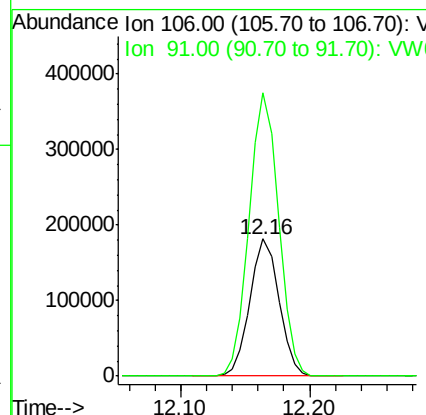
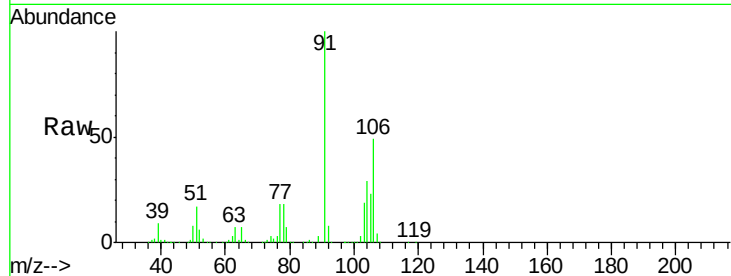
#69
o-Xylene
Concen: 51.720 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	284959		
91	207.7	106.5	319.5	

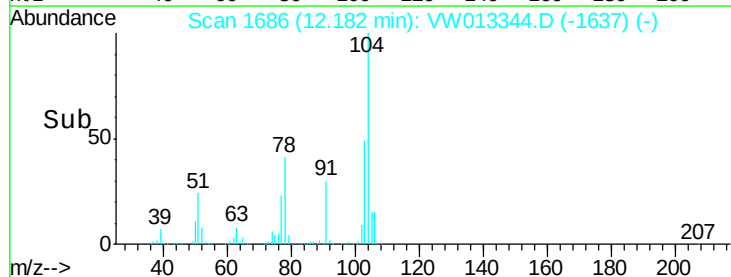
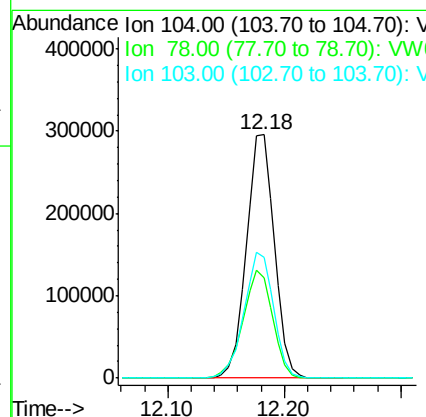
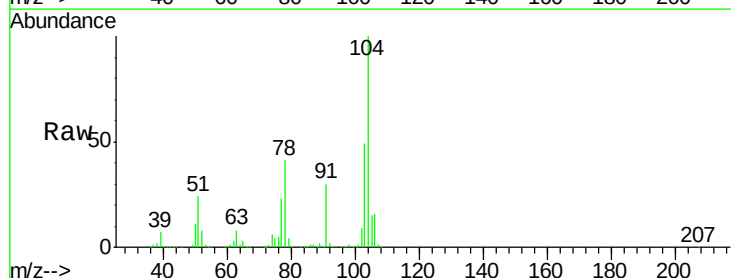
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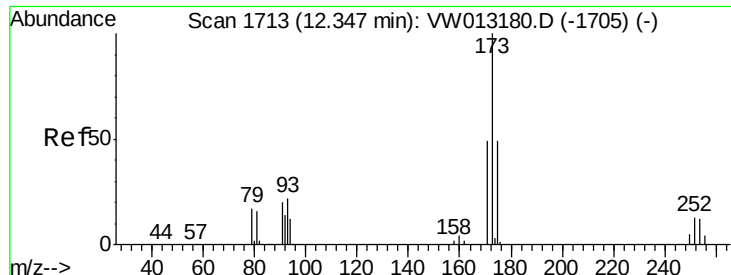
MMDadoda
10/1/2019 11:33:10 AM



#70
Styrene
Concen: 52.425 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	495885		
78	47.0	38.4	57.6	
103	54.4	43.3	64.9	





#71

Bromoform

Concen: 57.206 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 88618

Ion Ratio Lower Upper

173 100

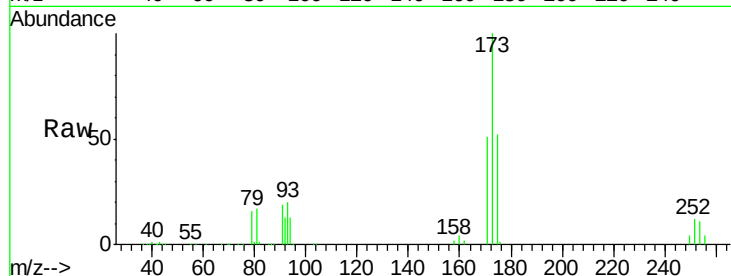
175 49.6 24.3 73.0

254 0.2 0.1 0.1#

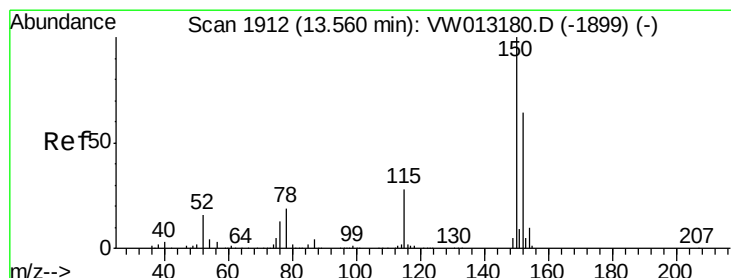
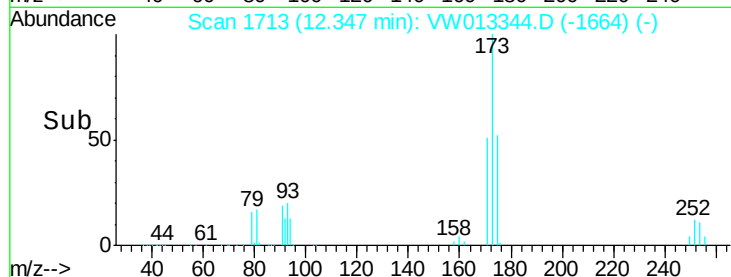
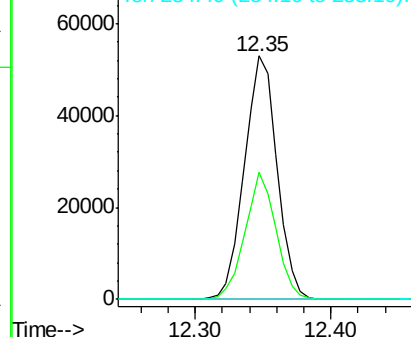
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

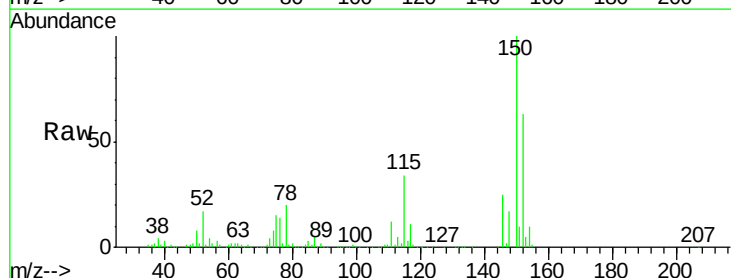
Tgt Ion:152 Resp: 214852

Ion Ratio Lower Upper

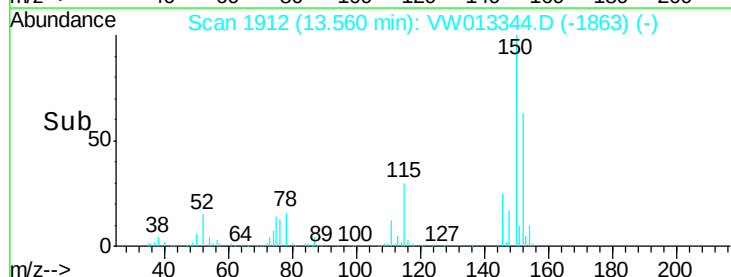
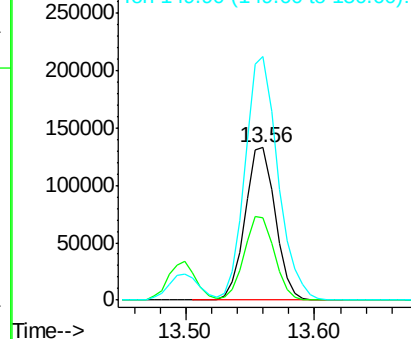
152 100

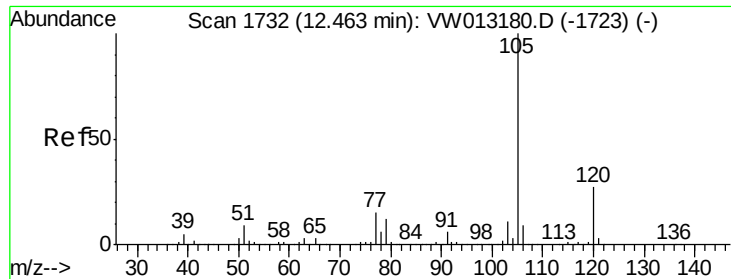
115 54.8 27.3 81.9

150 173.2 0.0 349.0



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: 49.519 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 785931

Ion Ratio Lower Upper

105 100

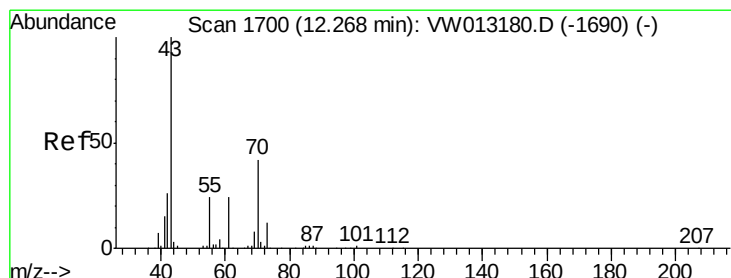
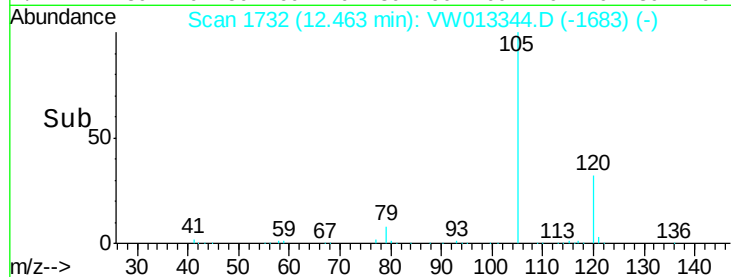
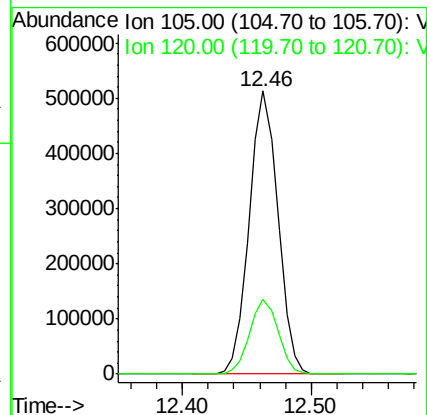
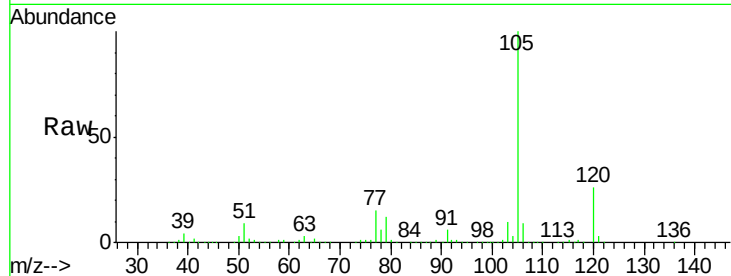
120 26.4 13.4 40.1

Manual Integrations

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MMDadoda

10/1/2019 11:33:10 AM



#74

N-ethyl acetate

Concen: 52.904 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tgt Ion: 43 Resp: 186319

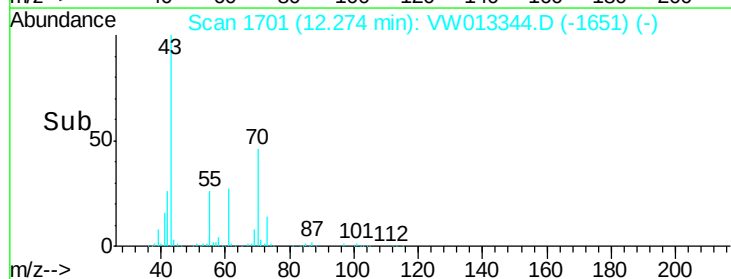
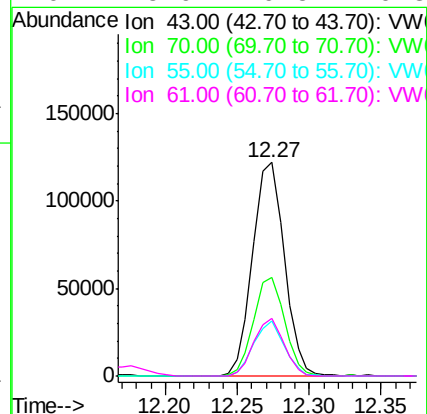
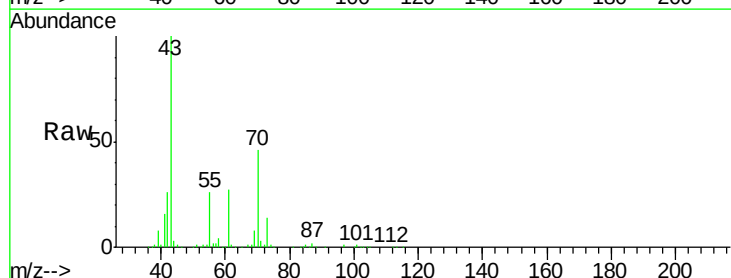
Ion Ratio Lower Upper

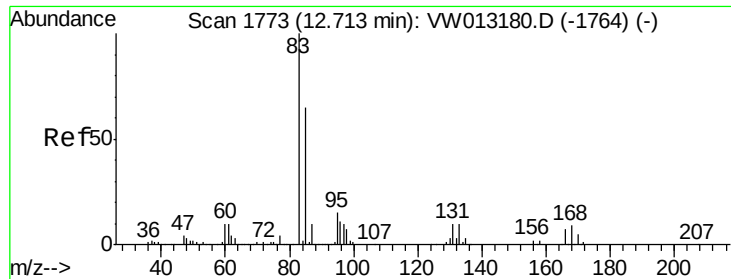
43 100

70 45.4 35.1 52.7

55 25.4 19.9 29.9

61 25.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.838 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

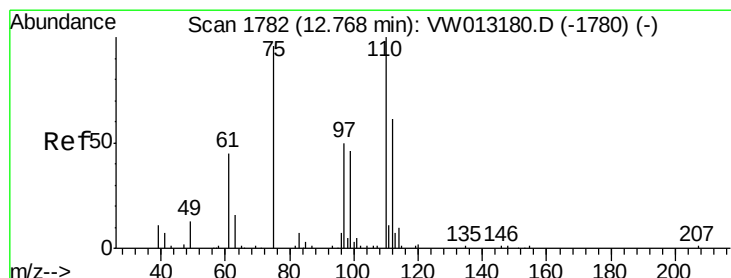
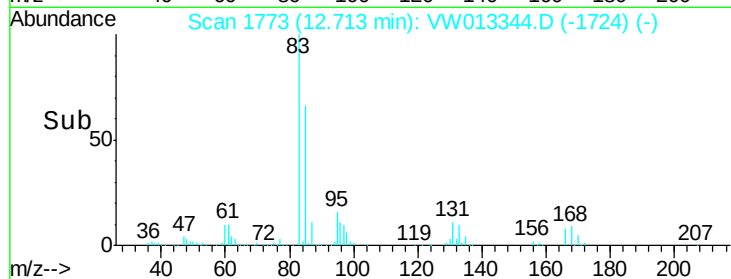
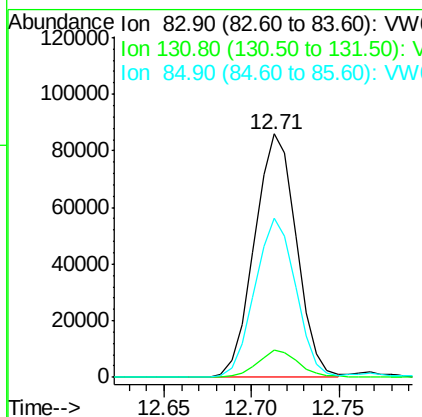
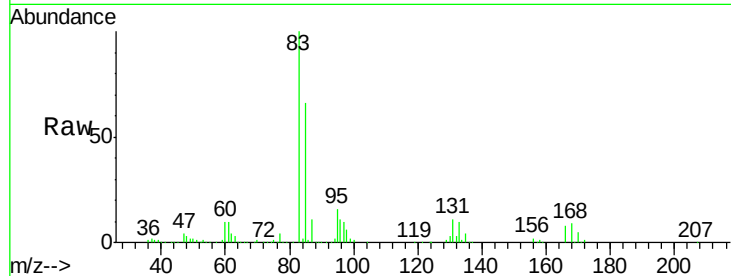
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	142906
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	64.1	31.9	95.9

Manual Integrations
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10/1/2019 11:33:10 AM



#76

1,2,3-Trichloropropane

Concen: 47.297 ug/l m

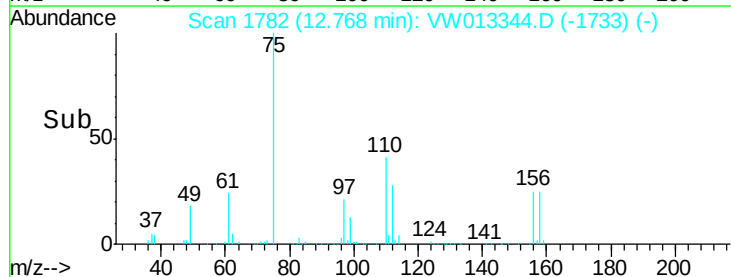
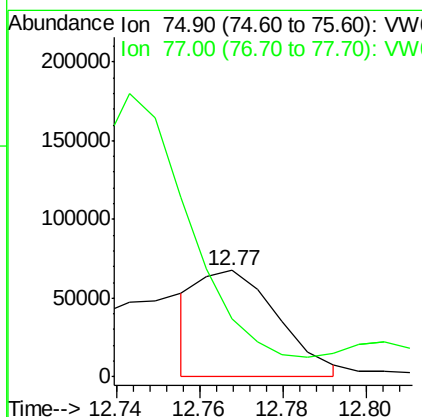
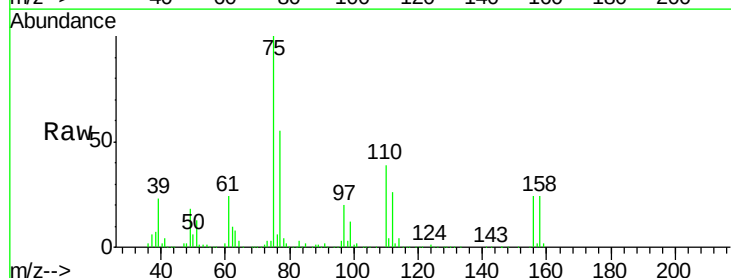
RT: 12.77 min Scan# 1782

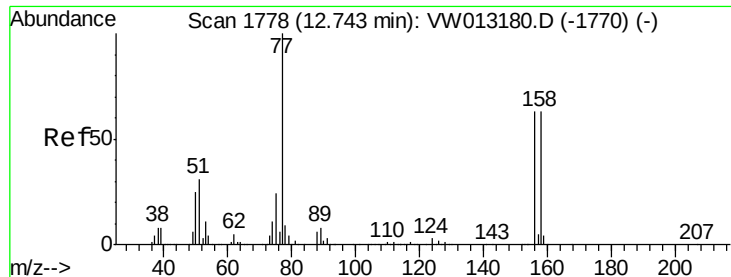
Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Tgt Ion:	75	Resp:	89742
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.769 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 190946

Ion Ratio Lower Upper

156 100

77 173.1 85.7 257.1

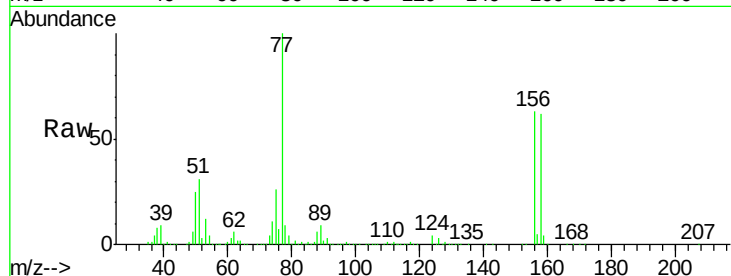
158 98.5 48.1 144.4

Manual Integrations

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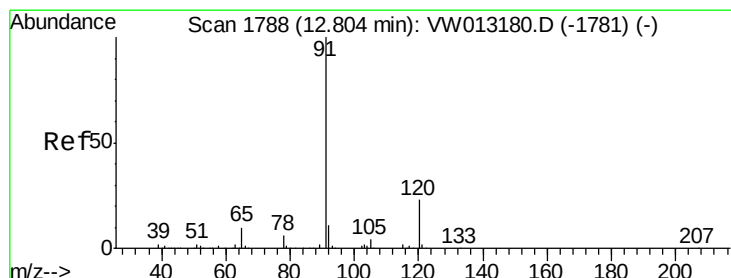
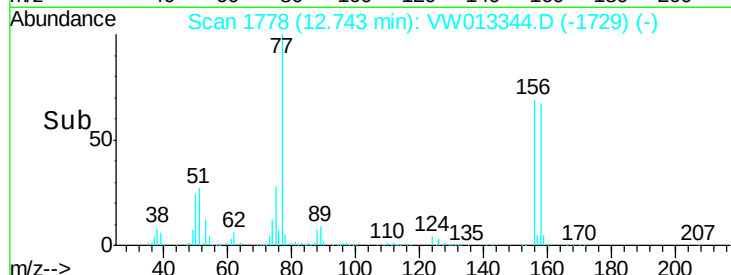
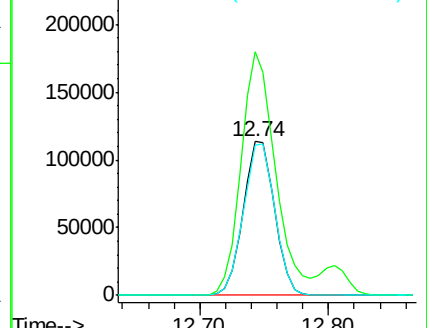
10/1/2019 11:33:10 AM



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: 49.049 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013344.D

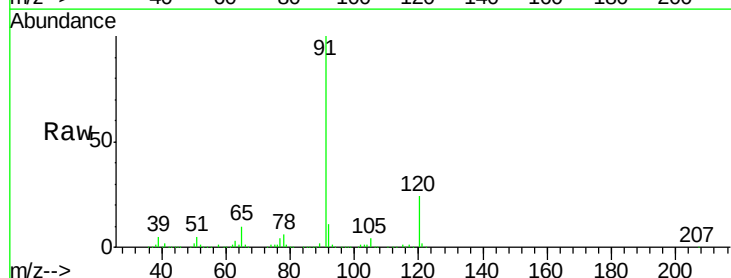
Acq: 30 Sep 2019 20:01

Tgt Ion: 91 Resp: 911226

Ion Ratio Lower Upper

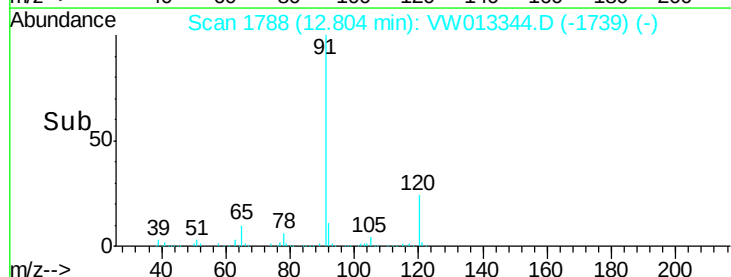
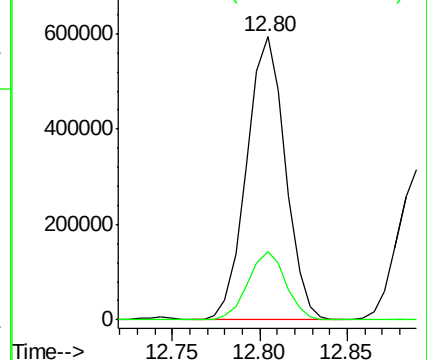
91 100

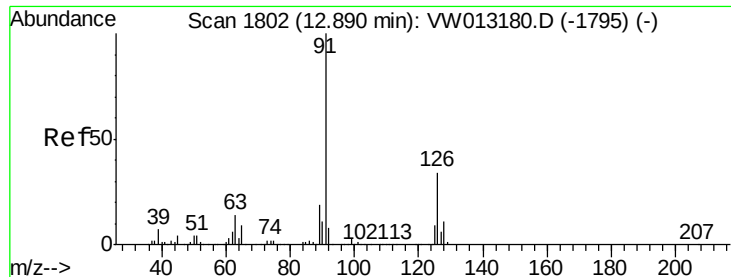
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.064 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013344.D

Acq: 30 Sep 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 510658

Ion Ratio Lower Upper

91 100

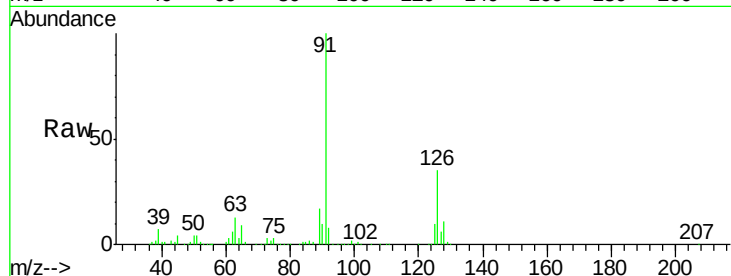
126 35.5 17.2 51.5

Manual Integrations

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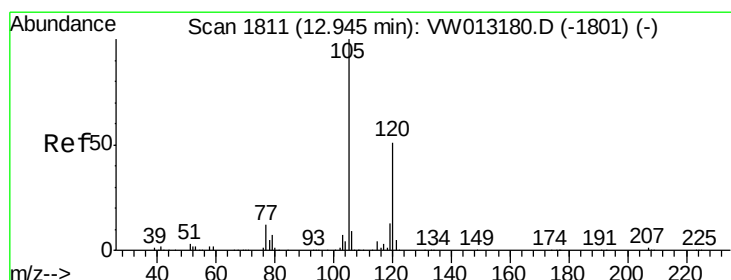
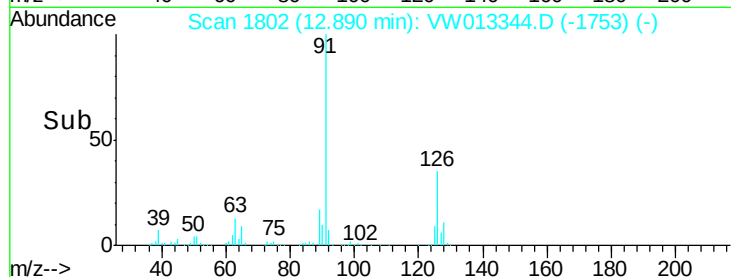
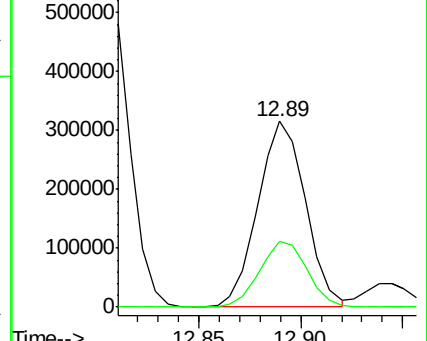
MMDadoda

10/1/2019 11:33:10 AM



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: 49.569 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013344.D

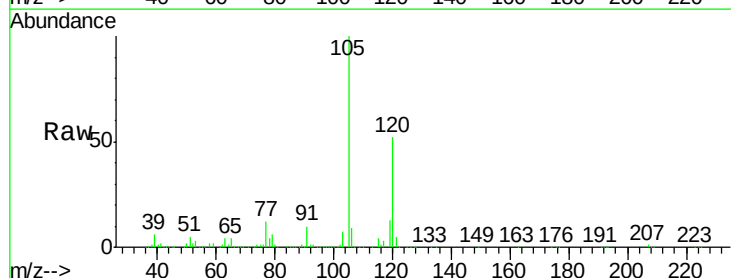
Acq: 30 Sep 2019 20:01

Tgt Ion:105 Resp: 661318

Ion Ratio Lower Upper

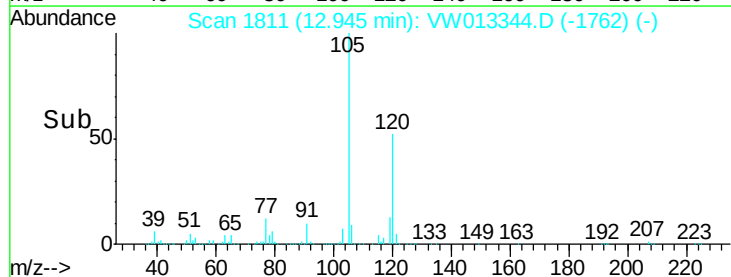
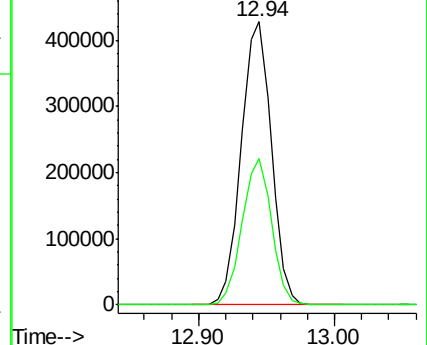
105 100

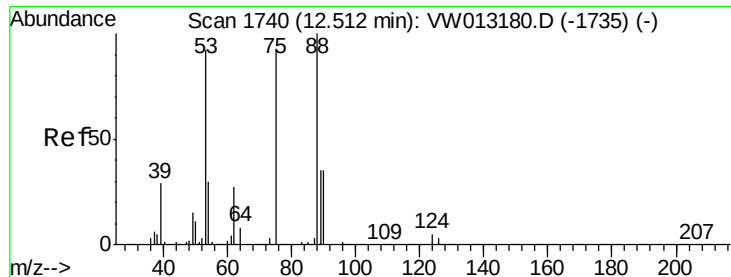
120 50.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





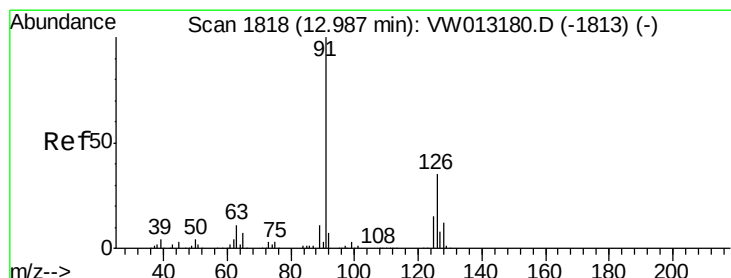
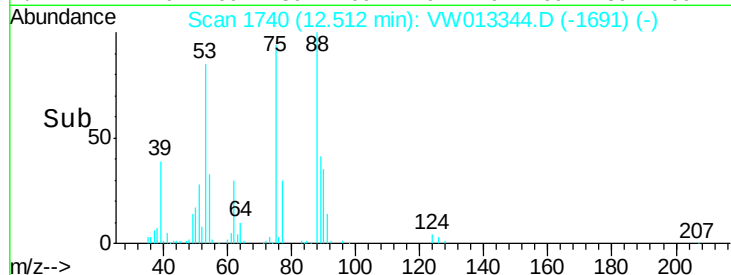
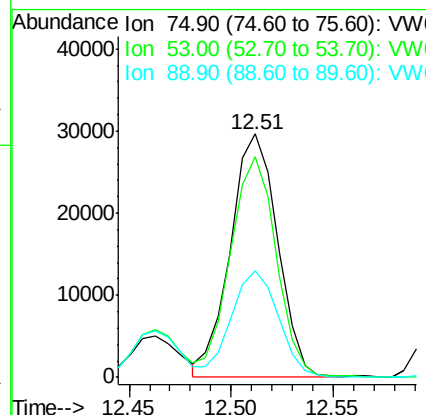
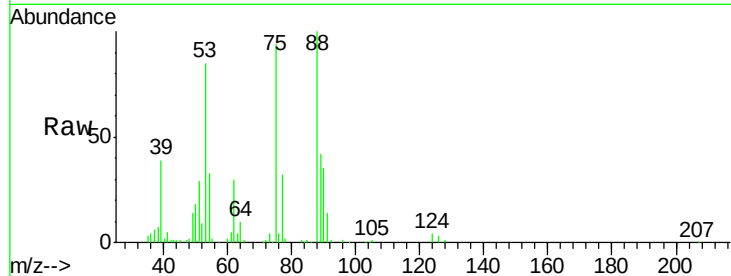
#81
trans-1,4-Dichloro-2-butene
Concen: 56.259 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	76.6	114.8
89	43.3	33.5	50.3

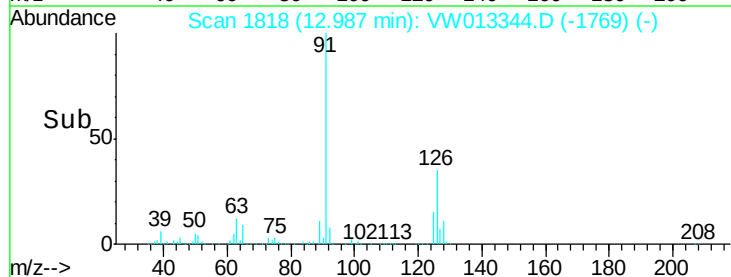
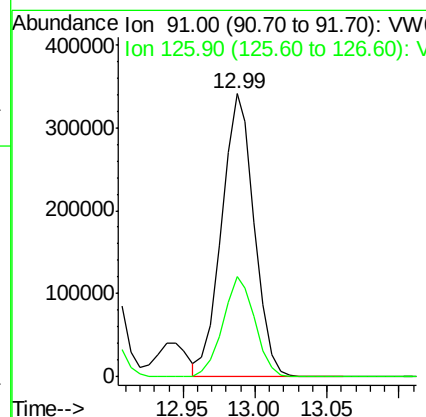
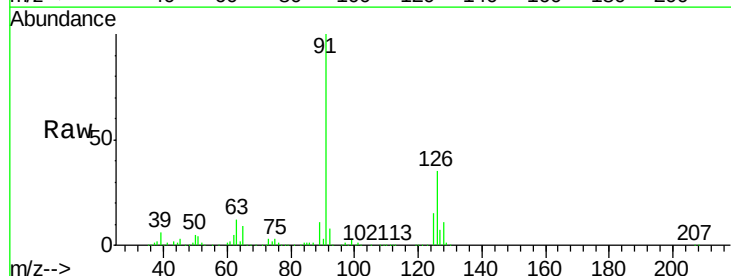
Manual Integrations
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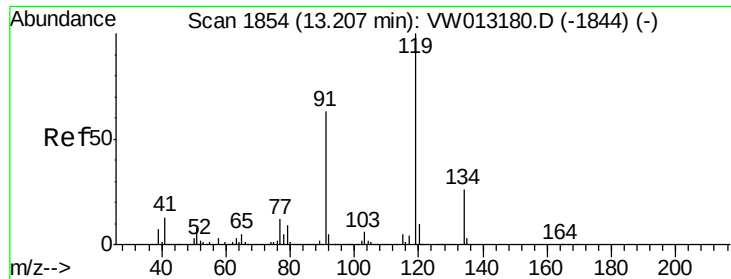
MMDadoda
10/1/2019 11:33:10 AM



#82
4-Chlorotoluene
Concen: 48.962 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





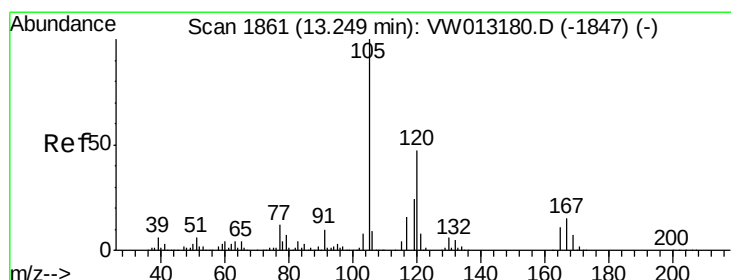
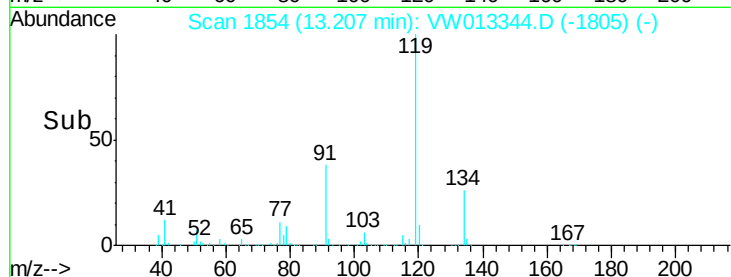
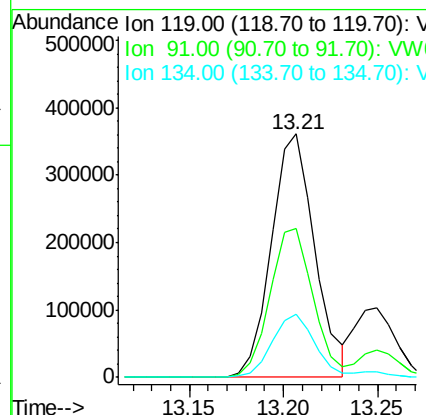
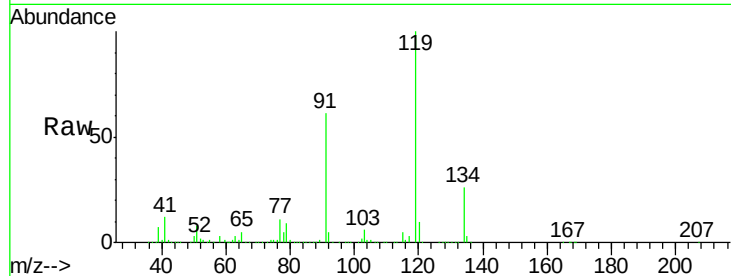
#83
 tert-Butylbenzene
 Concen: 49.270 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.7	92.1
134	25.8	12.6	37.6

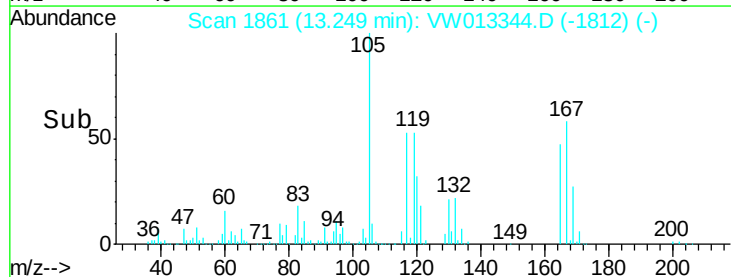
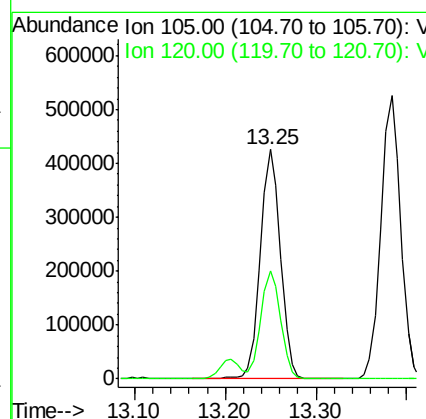
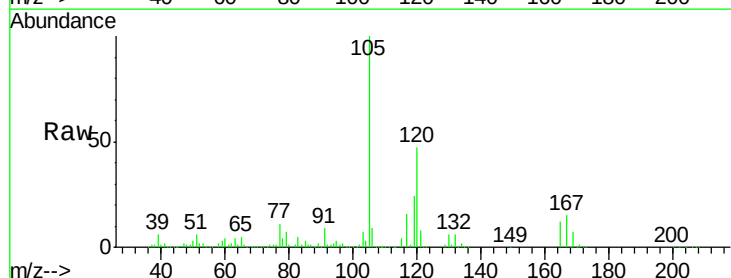
Manual Integrations
 APPROVED

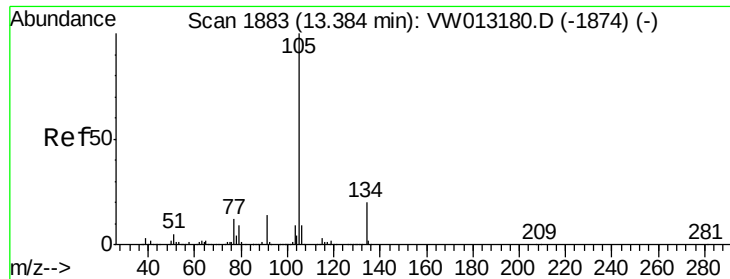
MMDadoda
 10/1/2019 11:33:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.436 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.3





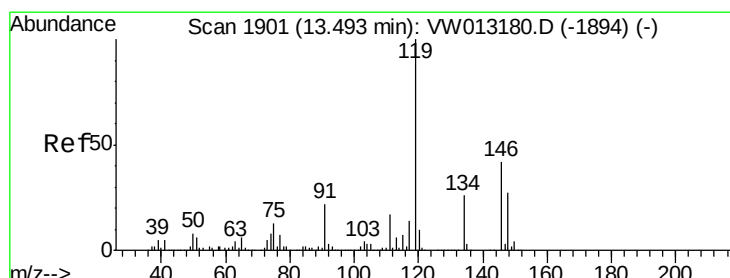
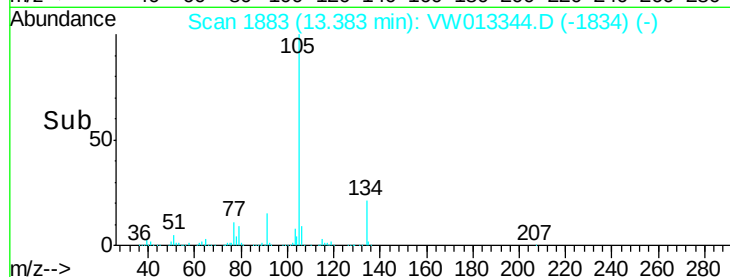
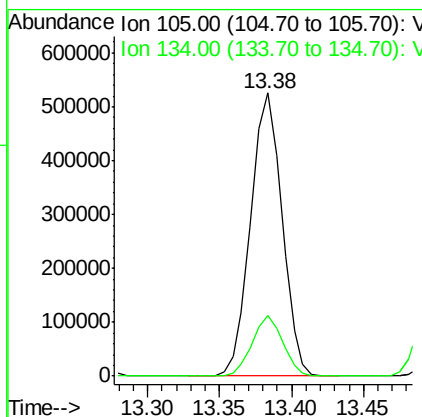
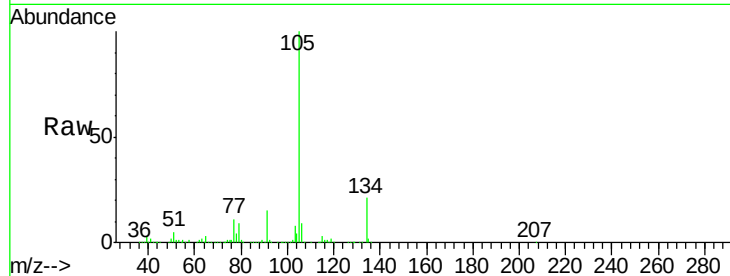
#85
 sec-Butylbenzene
 Concen: 49.142 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.8

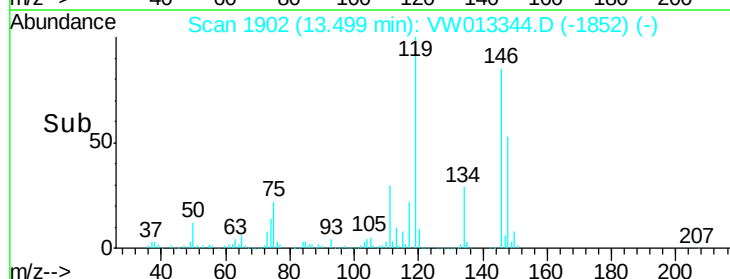
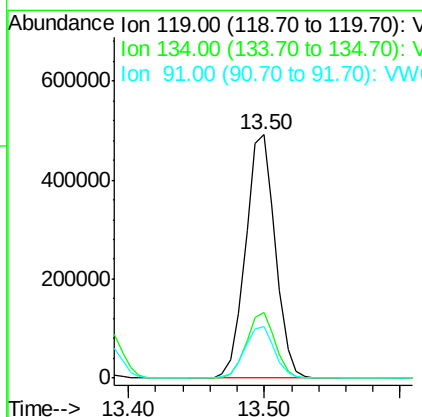
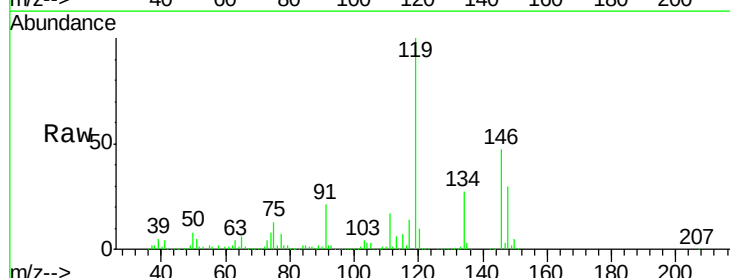
Manual Integrations
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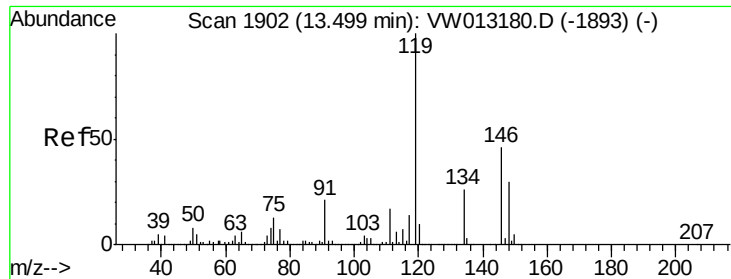
MMDadoda
 10/1/2019 11:33:10 AM



#86
 p-Isopropyltoluene
 Concen: 49.845 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	21.3	10.8	32.4





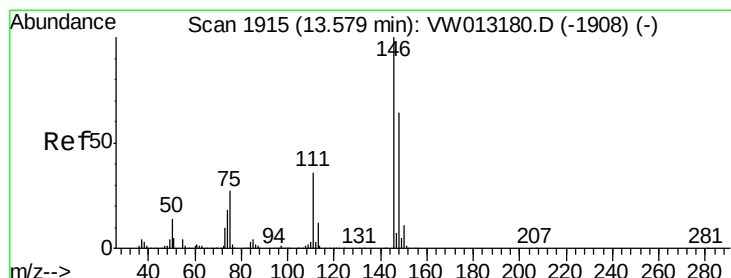
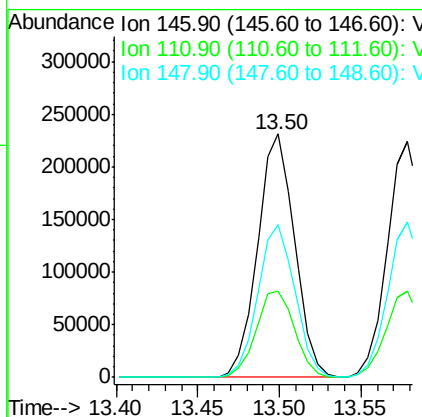
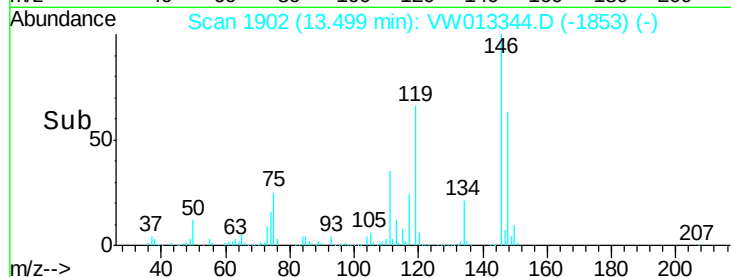
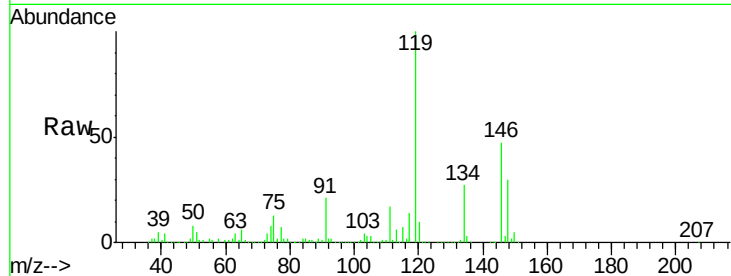
#87
 1,3-Dichlorobenzene
 Concen: 50.404 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	62.9	31.9	95.5

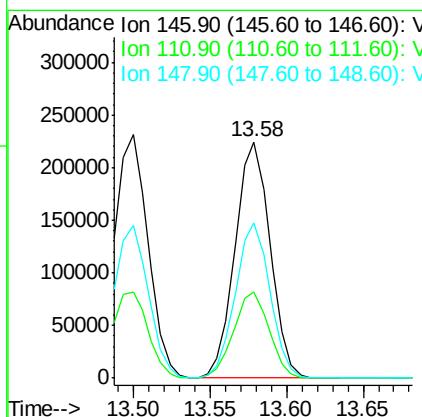
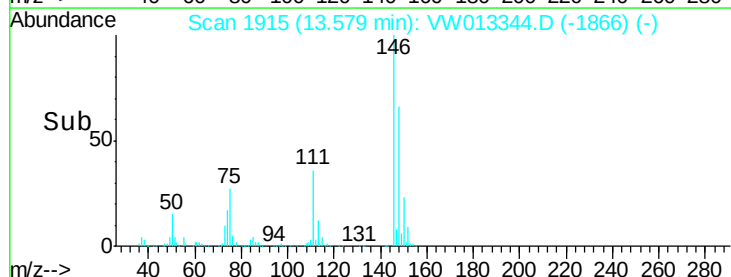
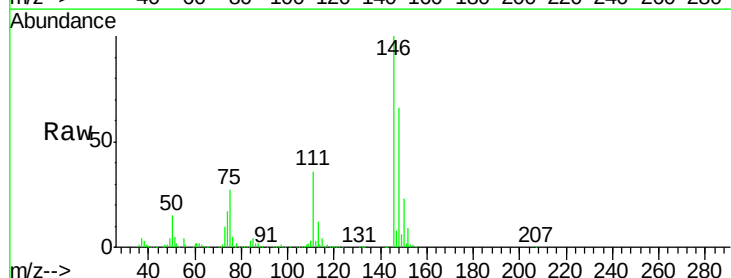
Manual Integrations
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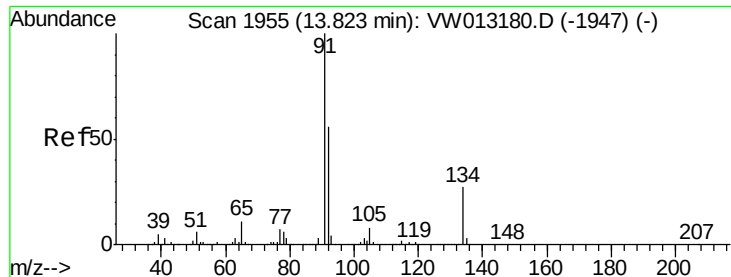
MMDadoda
 10/1/2019 11:33:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.299 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	65.0	32.1	96.3





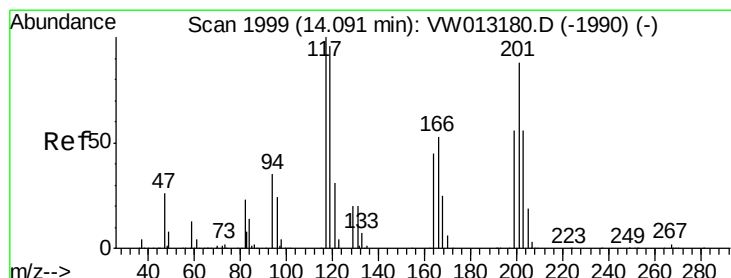
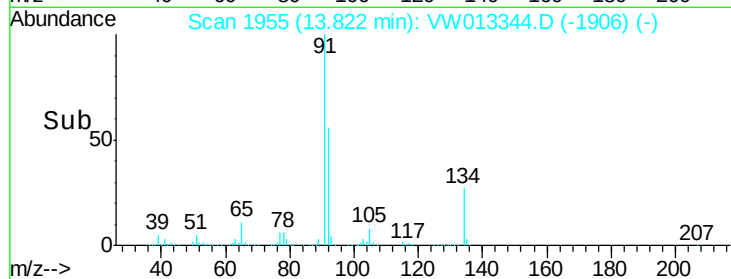
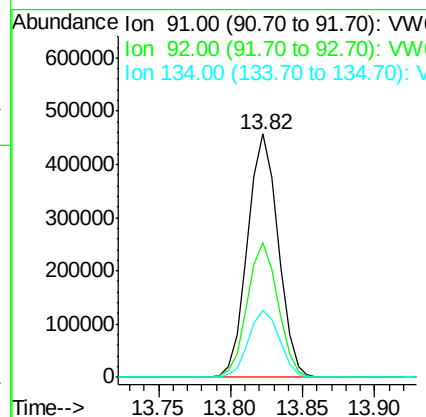
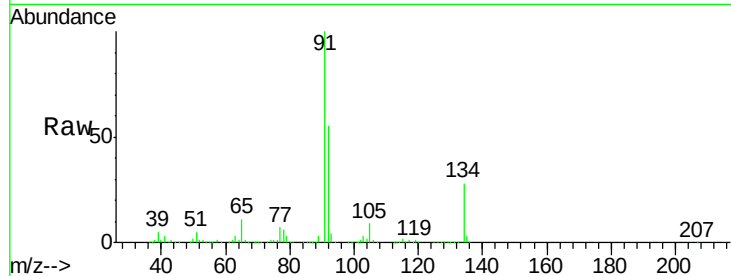
#89
n-Butylbenzene
Concen: 49.144 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		671931		
92	55.4	27.6	82.8		
134	27.7	13.7	41.1		

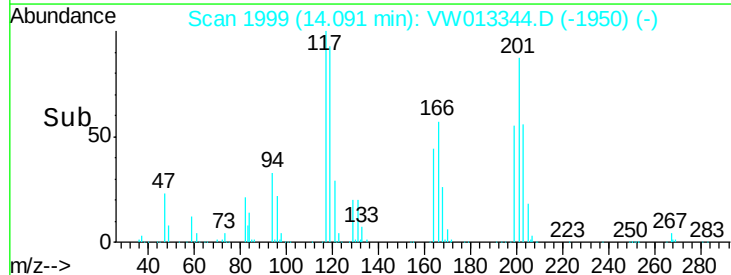
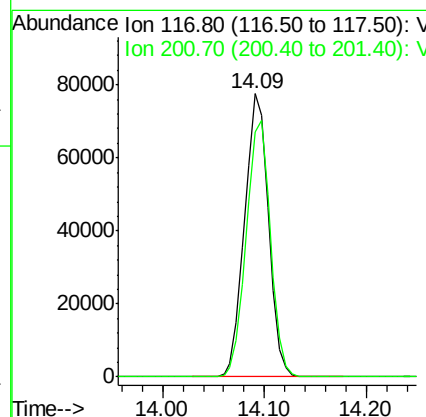
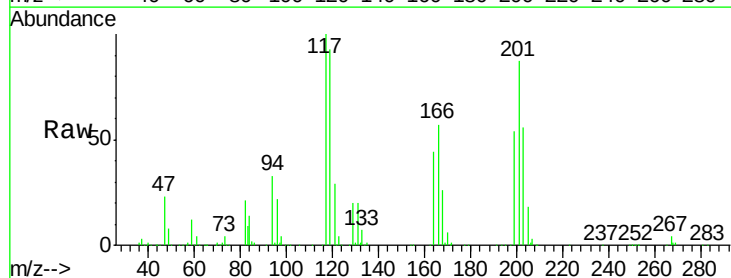
Manual Integrations
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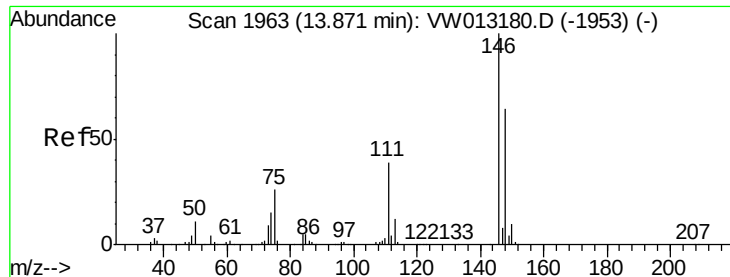
MMDadoda
10/1/2019 11:33:10 AM



#90
Hexachloroethane
Concen: 49.968 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		125696		
201	92.0	44.5	133.5		





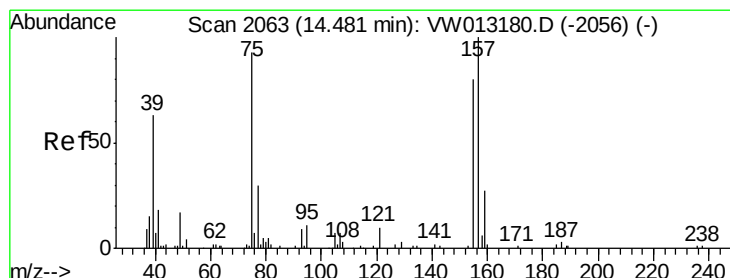
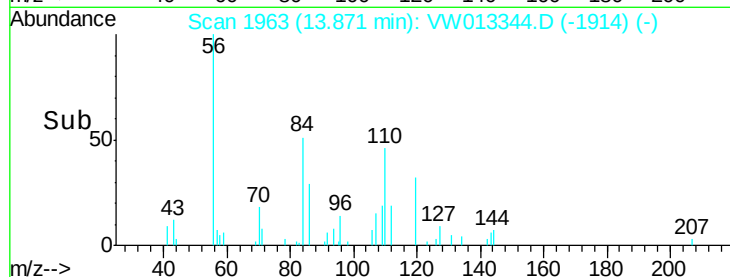
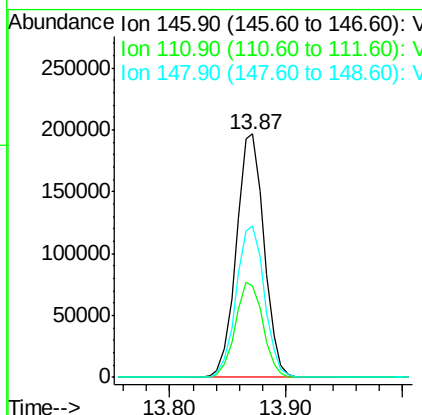
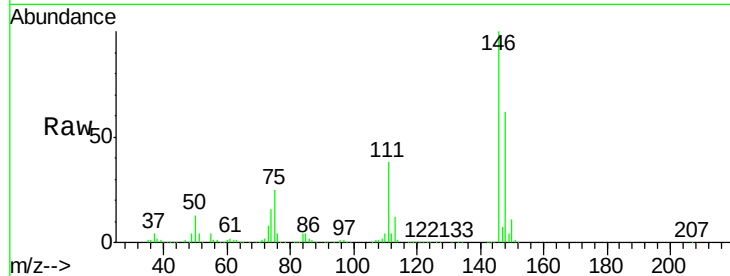
#91
 1,2-Dichlorobenzene
 Concen: 51.920 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.3
148	63.7	32.0	96.0

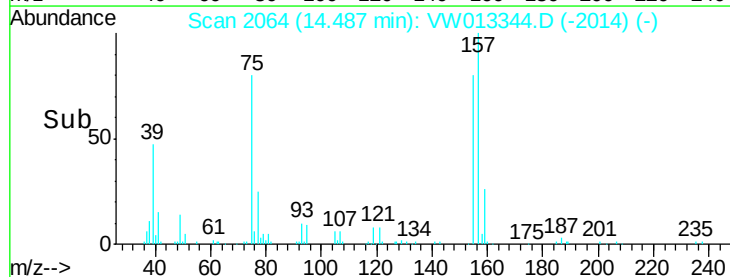
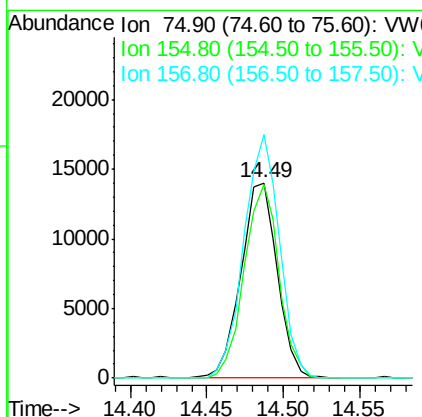
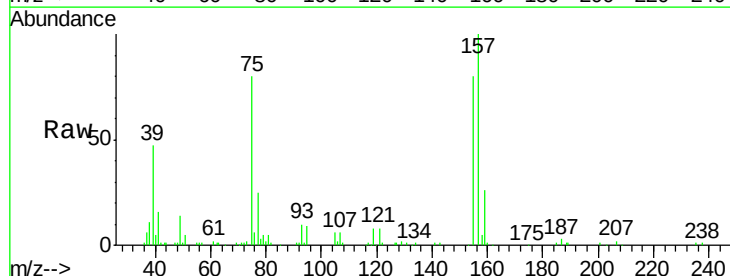
Manual Integrations
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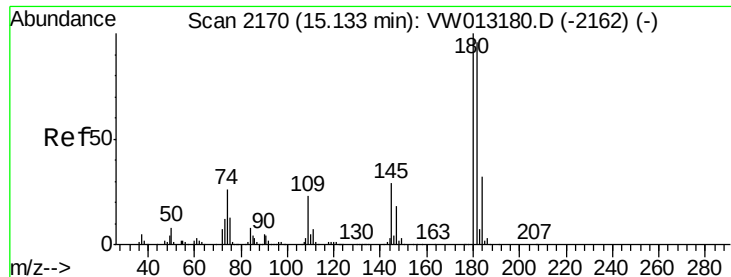
MMDadoda
 10/1/2019 11:33:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.136 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	46.1	138.3
157	121.7	60.4	181.2





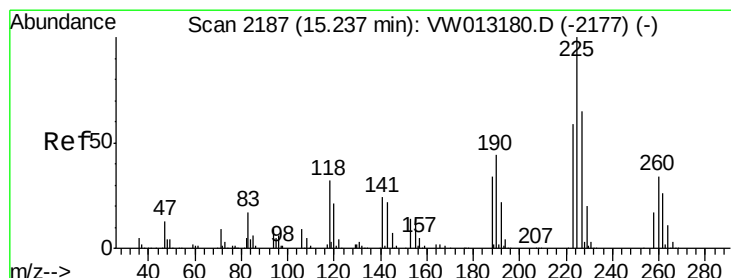
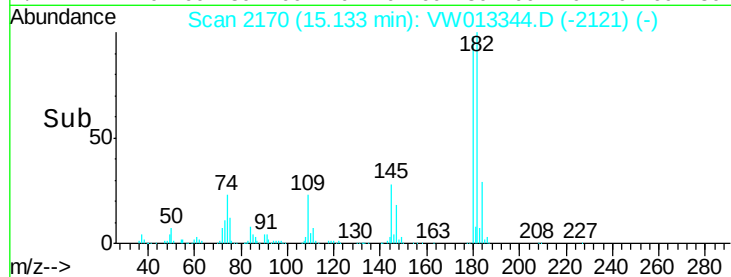
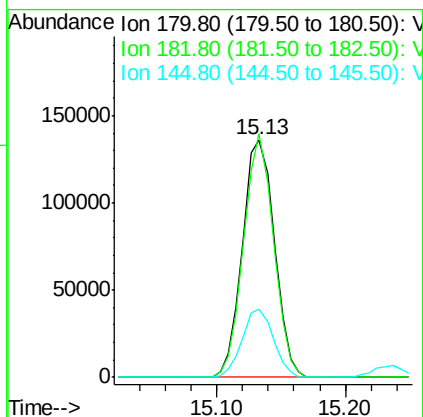
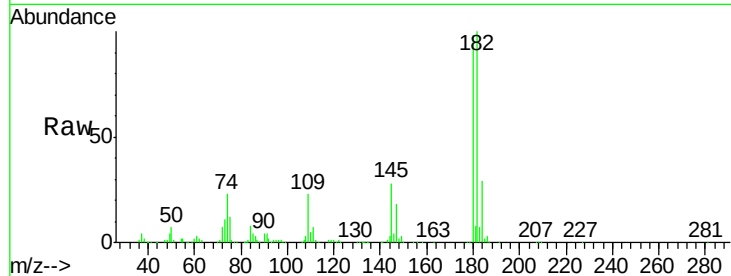
#93
 1,2,4-Trichlorobenzene
 Concen: 52.207 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.3	142.0	
145	28.1	14.2	42.8	

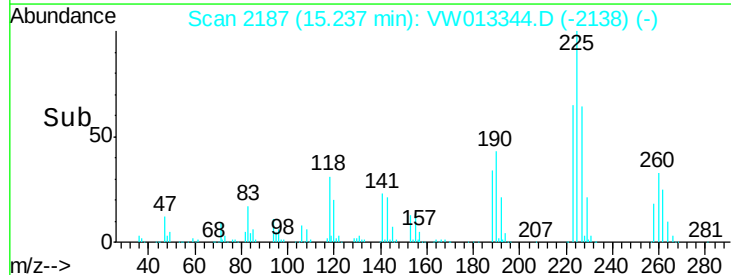
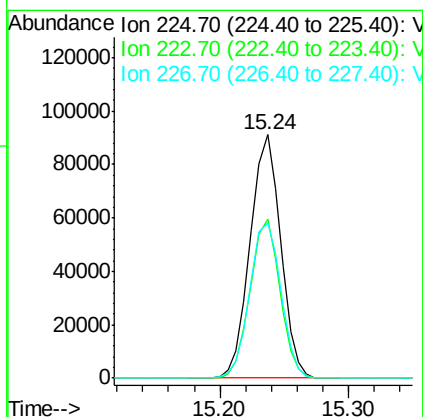
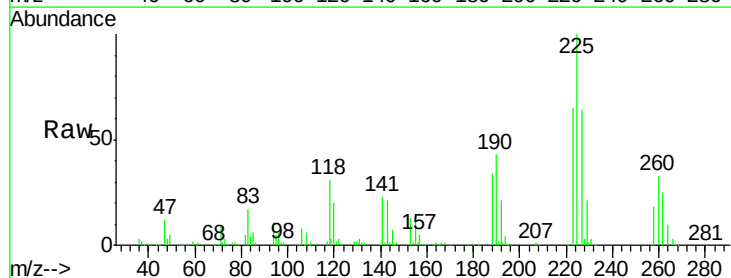
Manual Integrations
 APPROVED

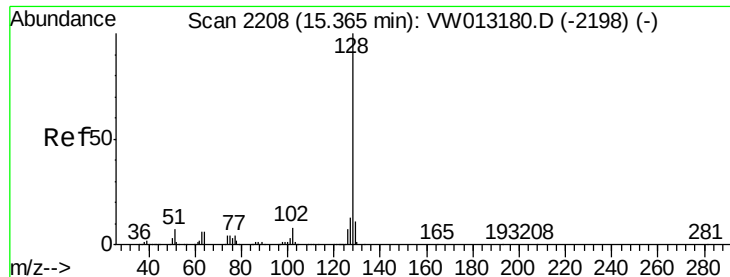
MMDadoda
 10/1/2019 11:33:10 AM



#94
 Hexachlorobutadiene
 Concen: 48.558 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013344.D
 Acq: 30 Sep 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	30.6	91.8	
227	65.3	31.9	95.9	





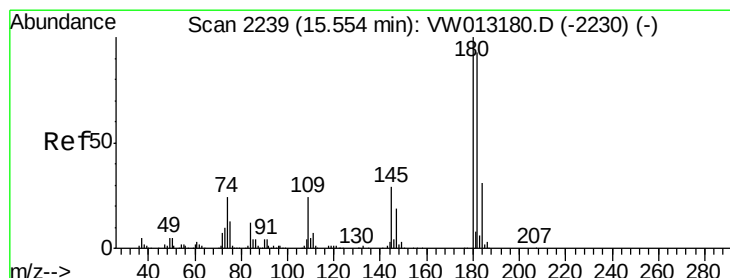
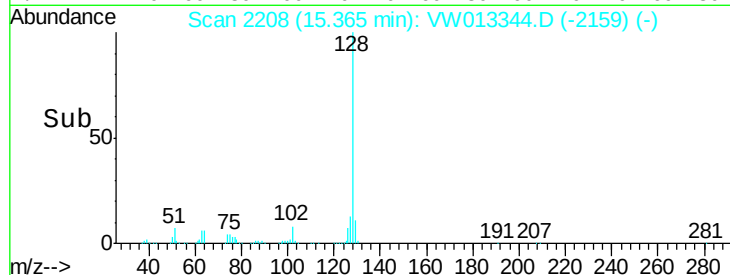
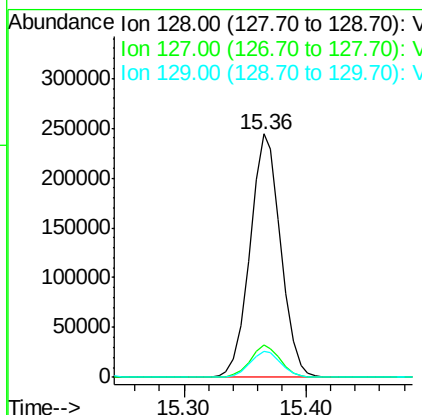
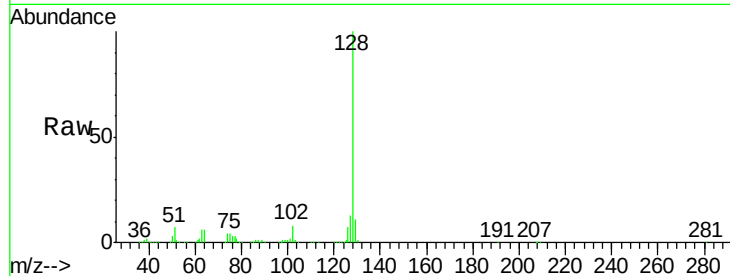
#95
Naphthalene
Concen: 57.941 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		425231		
127	13.2		10.6	15.8	
129	10.8		8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
10/1/2019 11:33:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.978 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013344.D
Acq: 30 Sep 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		205415		
182	96.7		47.9	143.7	
145	29.7		15.0	45.0	

