

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015098.D
 Acq On : 09 Mar 2020 13:25
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW030920

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:04 PM

Quant Time: Mar 10 18:20:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	483752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	876905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	776944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	347962	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	325870	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	7.88	113	246692	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
50) Toluene-d8	10.32	98	1086650	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.62	95	362098	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	167287	57.030	ug/l	98
3) Chloromethane	2.21	50	314944	50.033	ug/l	100
4) Vinyl Chloride	2.36	62	403866	49.008	ug/l	99
5) Bromomethane	2.77	94	221280	46.975	ug/l	98
6) Chloroethane	2.92	64	237928	49.847	ug/l	99
7) Trichlorofluoromethane	3.26	101	208467	50.551	ug/l	95
8) Diethyl Ether	3.68	74	155530	49.495	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	306924	48.822	ug/l	99
10) Methyl Iodide	4.27	142	343098	49.057	ug/l	99
11) Tert butyl alcohol	5.16	59	95357	233.267	ug/l	98
12) 1,1-Dichloroethene	4.03	96	310658	50.543	ug/l	95
13) Acrolein	3.89	56	132493	221.614	ug/l	100
14) Allyl chloride	4.67	41	642979	52.201	ug/l	99
15) Acrylonitrile	5.36	53	383000	237.782	ug/l	98
16) Acetone	4.12	43	463431	285.683	ug/l	97
17) Carbon Disulfide	4.38	76	1074416	49.303	ug/l	99
18) Methyl Acetate	4.67	43	175406	45.615	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	401119	50.979	ug/l	99
20) Methylene Chloride	4.92	84	335952	50.796	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	323998	49.649	ug/l	98
22) Diisopropyl ether	6.31	45	1213903	51.362	ug/l	98
23) Vinyl Acetate	6.25	43	3602870	258.238	ug/l	100
24) 1,1-Dichloroethane	6.21	63	670847	48.674	ug/l	99
25) 2-Butanone	7.16	43	571479	256.979	ug/l	98
26) 2,2-Dichloropropane	7.16	77	380495	48.270	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	338583	49.836	ug/l	99
28) Bromochloromethane	7.51	49	325618	49.307	ug/l	99
29) Tetrahydrofuran	7.52	42	339495	244.065	ug/l	99
30) Chloroform	7.67	83	581465	47.541	ug/l	99
31) Cyclohexane	7.95	56	687400	48.494	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	469166	49.128	ug/l	98
36) 1,1-Dichloropropene	8.08	75	516267	50.767	ug/l	99
37) Ethyl Acetate	7.24	43	238122	46.982	ug/l	99
38) Carbon Tetrachloride	8.06	117	412501	49.828	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	617233	53.083	ug/l	97
40) Benzene	8.32	78	1391220	49.228	ug/l	99
41) Methacrylonitrile	7.48	41	149373	55.726	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	414776	48.174	ug/l	100
43) Isopropyl Acetate	8.42	43	440844	48.517	ug/l	99
44) Trichloroethene	9.09	130	295496	49.121	ug/l	98
45) 1,2-Dichloropropane	9.37	63	369024	48.487	ug/l	99
46) Dibromomethane	9.45	93	155256	46.915	ug/l	99
47) Bromodichloromethane	9.64	83	432608	48.964	ug/l	99
48) Methyl methacrylate	9.43	41	225123	48.389	ug/l	94
49) 1,4-Dioxane	9.45	88	51831	1022.971	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1178886	234.894	ug/l	100
52) Toluene	10.38	92	819068	50.451	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	439598	50.575	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	532840	50.323	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	211933	46.737	ug/l	99
56) Ethyl methacrylate	10.64	69	306332	46.978	ug/l	99
57) 1,3-Dichloropropane	10.93	76	418805	48.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	835193	243.278	ug/l	100
59) 2-Hexanone	10.96	43	825732	239.239	ug/l	100
60) Dibromochloromethane	11.12	129	226378	48.337	ug/l	98
61) 1,2-Dibromoethane	11.23	107	196641	48.915	ug/l	99
64) Tetrachloroethene	10.86	164	218897	48.821	ug/l	98
65) Chlorobenzene	11.65	112	773394	49.594	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	257502	49.586	ug/l	100
67) Ethyl Benzene	11.73	91	1588897	52.359	ug/l	100
68) m/p-Xylenes	11.83	106	1130448	105.375	ug/l	98
69) o-Xylene	12.16	106	510576	52.834	ug/l	99
70) Styrene	12.18	104	877537	52.996	ug/l	99
71) Bromoform	12.35	173	111798	48.511	ug/l #	98
73) Isopropylbenzene	12.46	105	1453305	54.676	ug/l	99
74) N-amyl acetate	12.27	43	415957	47.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	259742	48.123	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	200785m	51.056	ug/l	
77) Bromobenzene	12.74	156	269784	51.352	ug/l	100
78) n-propylbenzene	12.80	91	1883571	54.527	ug/l	99
79) 2-Chlorotoluene	12.89	91	1028140	52.938	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1217699	53.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	87304	50.142	ug/l	98
82) 4-Chlorotoluene	12.99	91	1078133	52.127	ug/l	100
83) tert-Butylbenzene	13.20	119	1008141	54.451	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1232319	53.927	ug/l	98
85) sec-Butylbenzene	13.38	105	1510895	53.921	ug/l	100
86) p-Isopropyltoluene	13.49	119	1301539	54.039	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	563262	50.601	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	542560	49.500	ug/l	99
89) n-Butylbenzene	13.82	91	1420910	54.703	ug/l	100
90) Hexachloroethane	14.09	117	242500	50.203	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	486274	49.878	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	44006	50.773	ug/l	96

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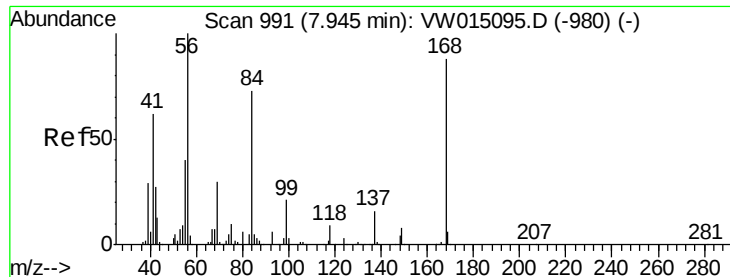
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	306832	54.998	ug/l	100
94) Hexachlorobutadiene	15.23	225	180640	51.571	ug/l	97
95) Naphthalene	15.36	128	611137	50.082	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	275819	55.740	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion:168 Resp: 483752

Ion Ratio Lower Upper

168 100

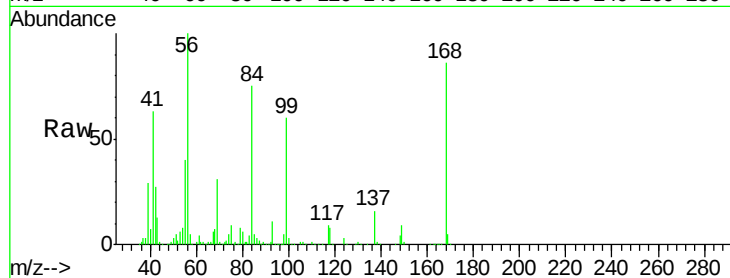
99 70.0 57.2 85.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

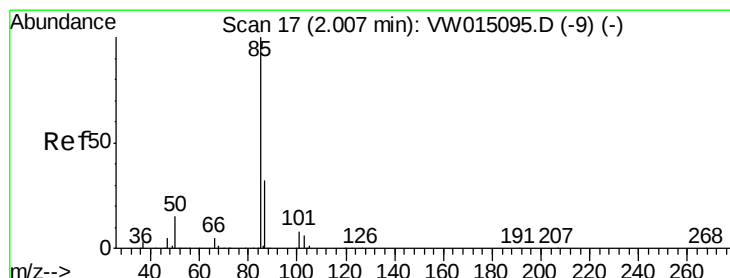
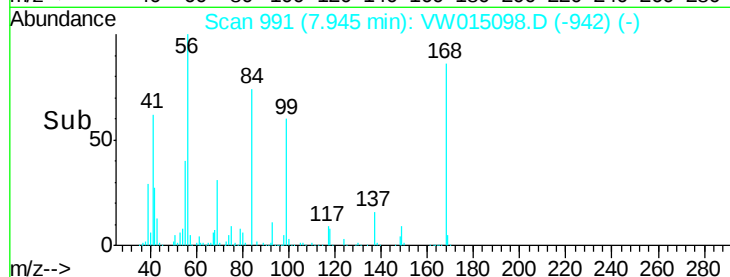
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100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 57.030 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015098.D

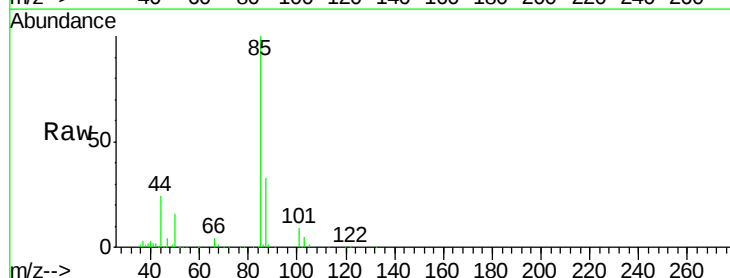
Acq: 09 Mar 2020 13:25

Tgt Ion: 85 Resp: 167287

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

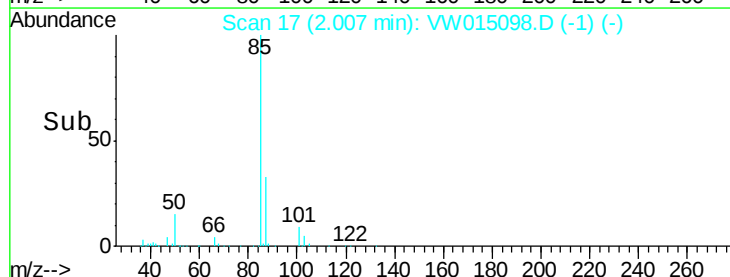
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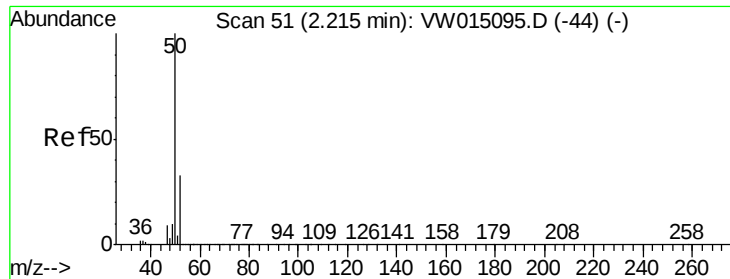
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20000

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Time-->





#3

Chloromethane

Concen: 50.033 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion: 50 Resp: 314944

Ion Ratio Lower Upper

50 100

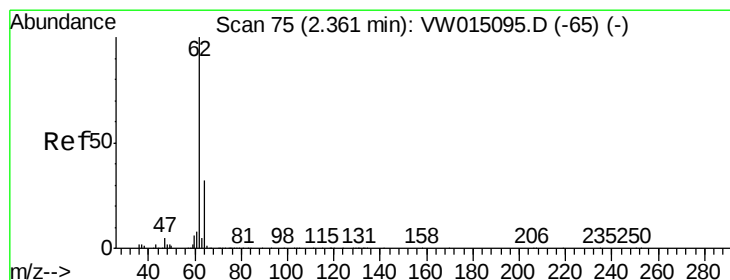
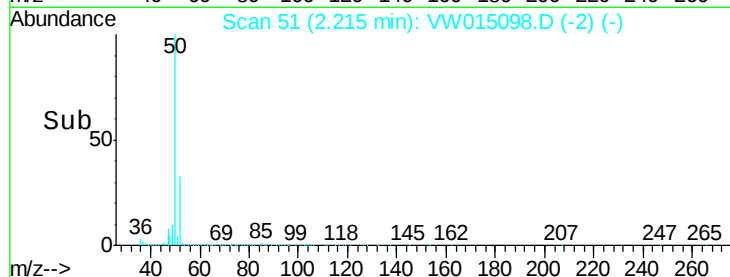
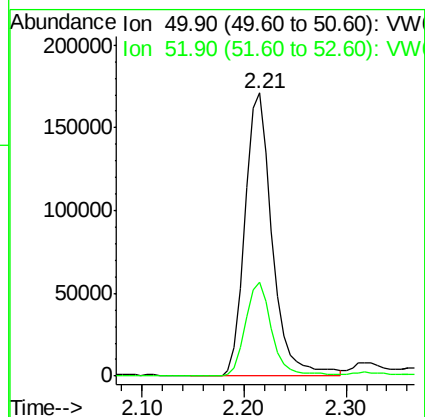
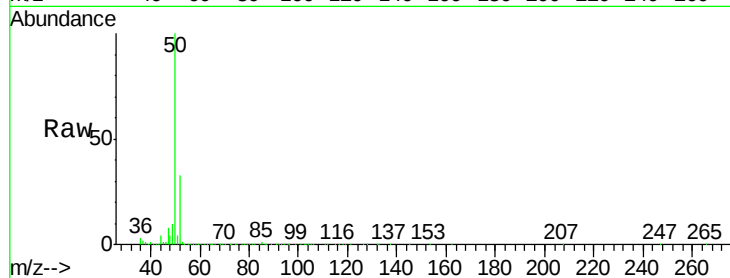
52 33.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.008 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015098.D

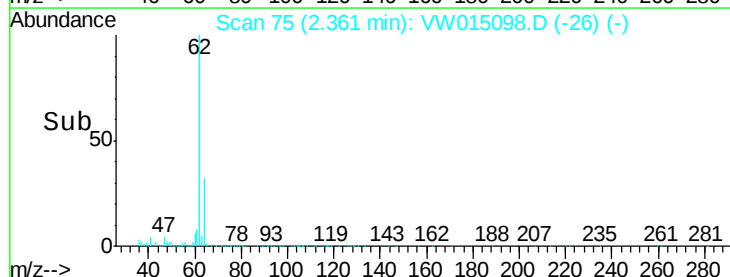
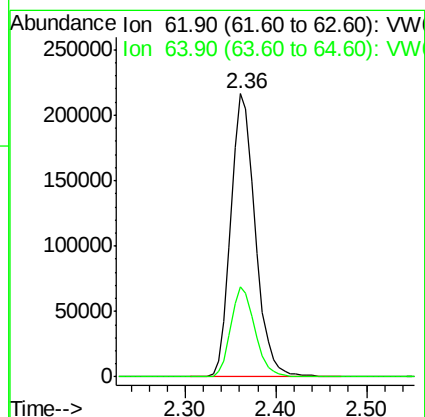
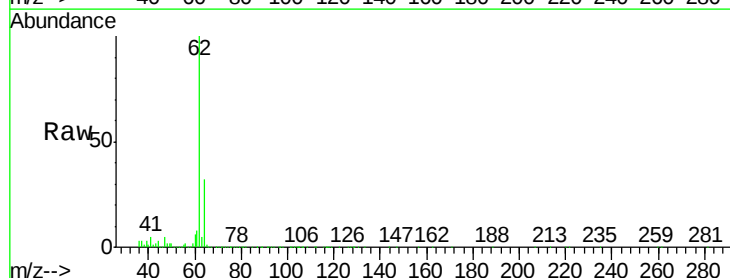
Acq: 09 Mar 2020 13:25

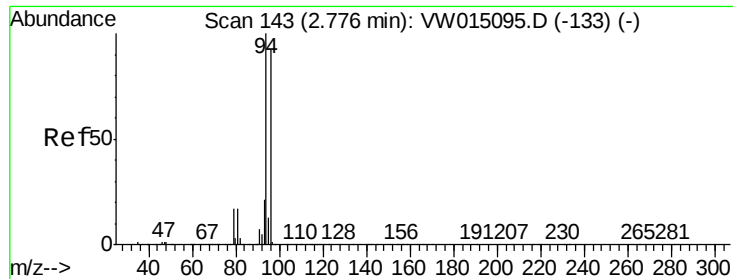
Tgt Ion: 62 Resp: 403866

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 46.975 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

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ClientSampleId :

ICVW030920

Tot Ion: 94 Resp: 221280

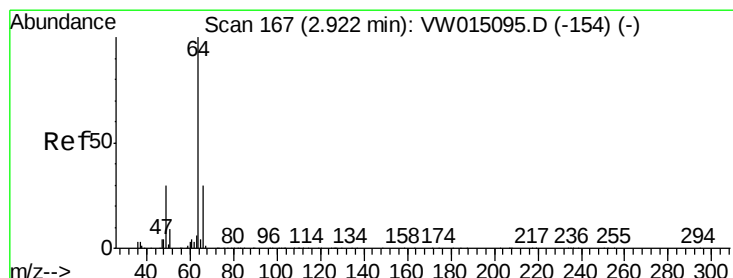
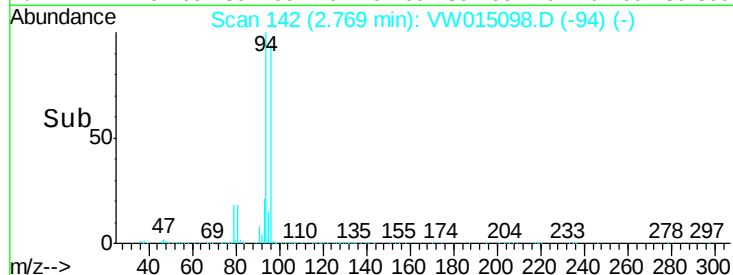
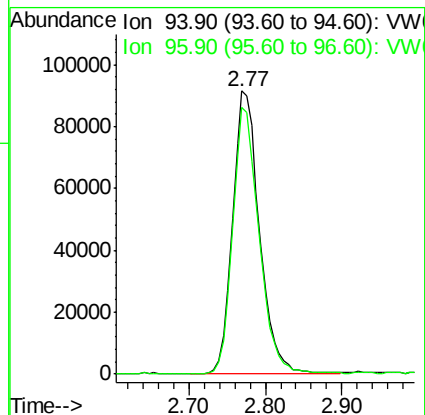
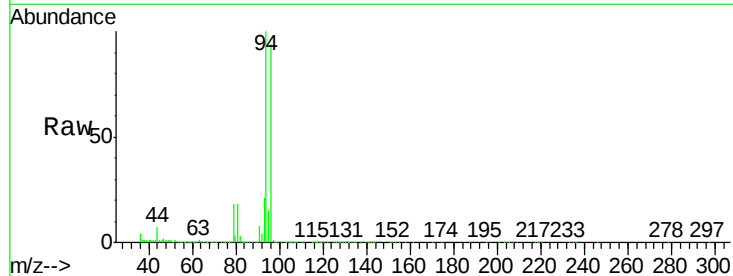
Ion Ratio Lower Upper

94 100

96 94.1 74.0 111.0

Manual Integrations
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#6

Chloroethane

Concen: 49.847 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015098.D

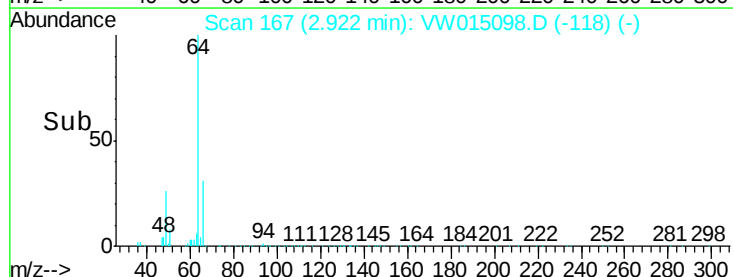
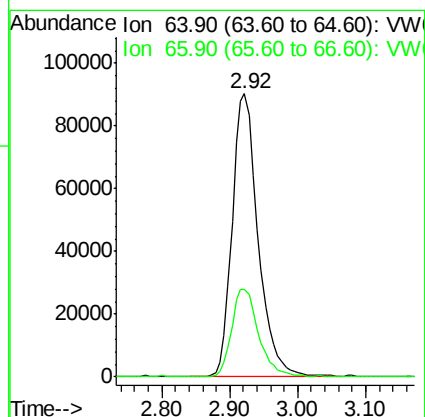
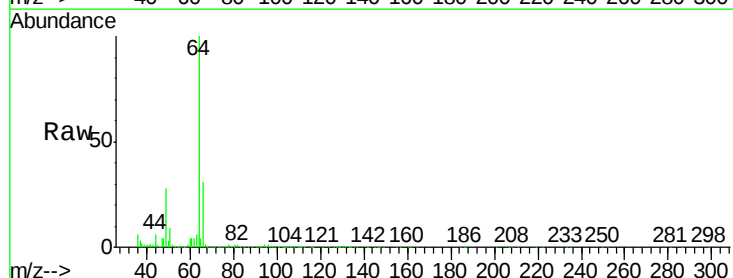
Acq: 09 Mar 2020 13:25

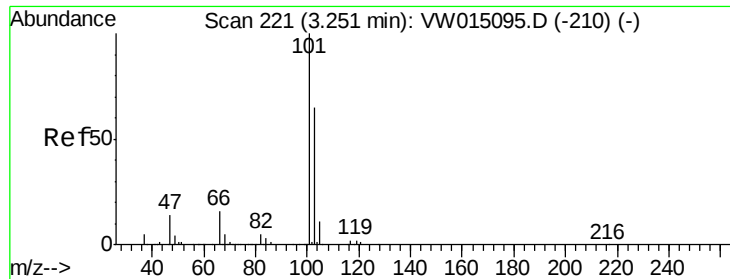
Tgt Ion: 64 Resp: 237928

Ion Ratio Lower Upper

64 100

66 30.8 24.2 36.2





#7

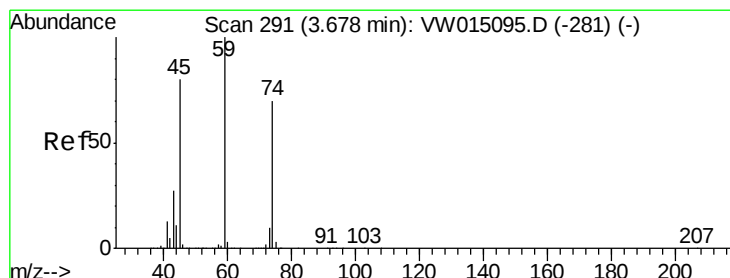
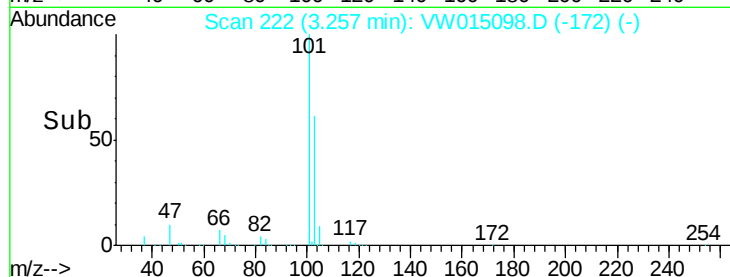
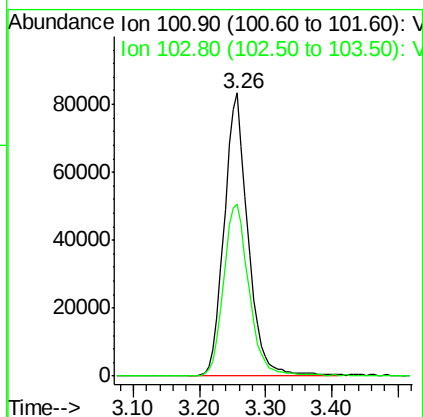
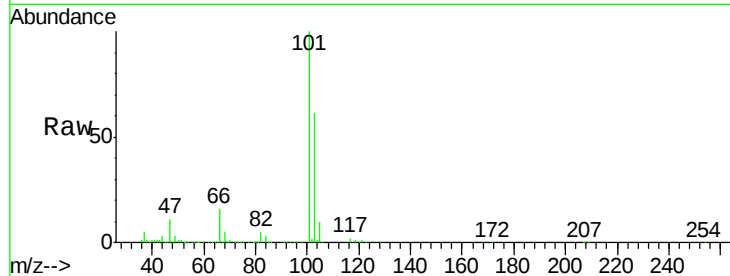
Trichlorofluoromethane
Concen: 50.551 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	208467		
103	60.7	51.8	77.6	

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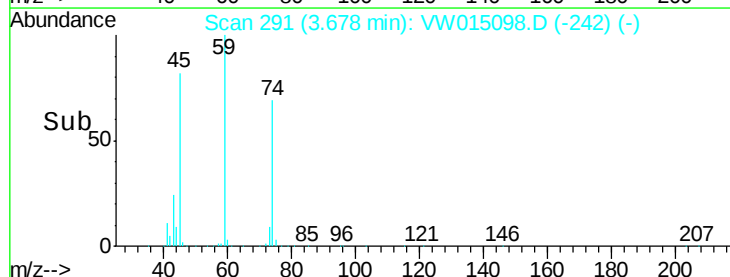
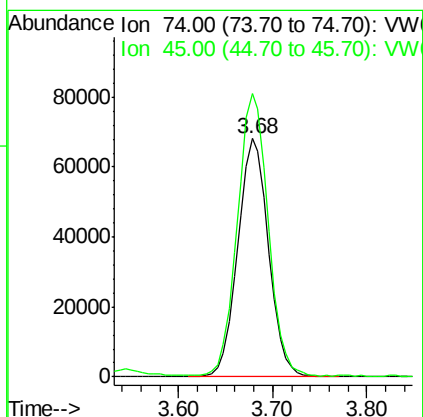
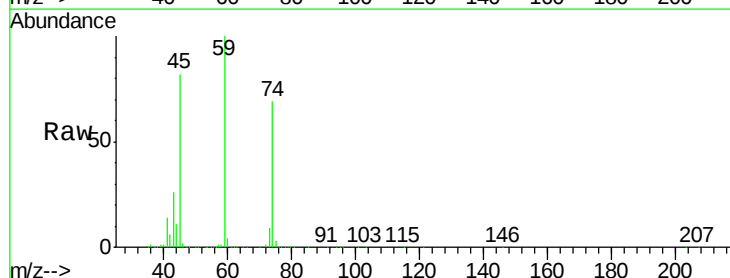
MMDadoda
3/11/2020 3:24:04 PM

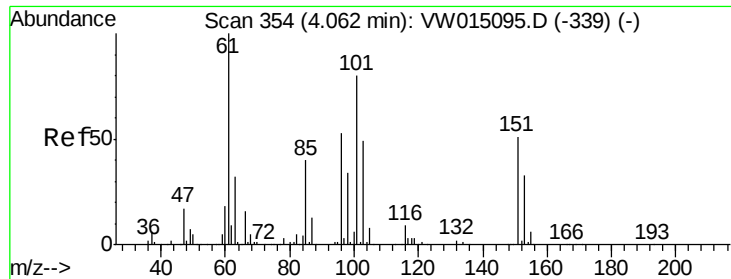


#8

Diethyl Ether
Concen: 49.495 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	155530		
45	118.6	59.2	177.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.822 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

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MSVOA_W

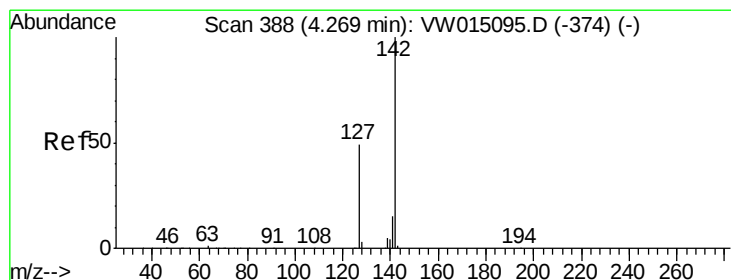
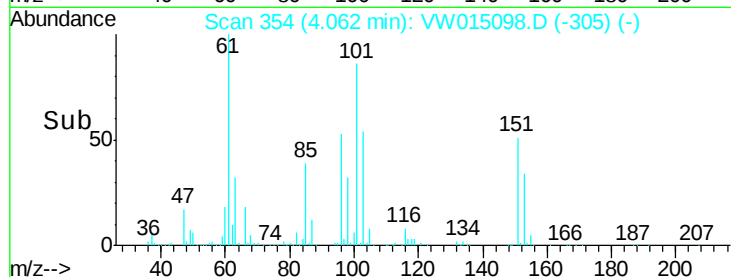
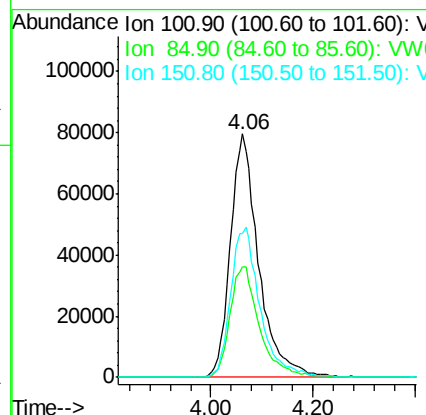
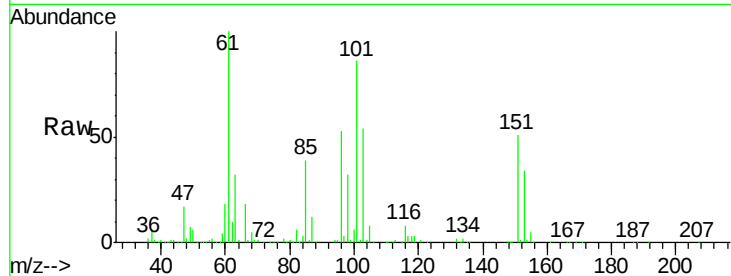
ClientSampled :

ICVW030920

Tot Ion:	101	Resp:	306924
Ion Ratio	Lower	Upper	
101	100		
85	46.9	39.0	58.4
151	63.9	50.8	76.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.057 ug/l

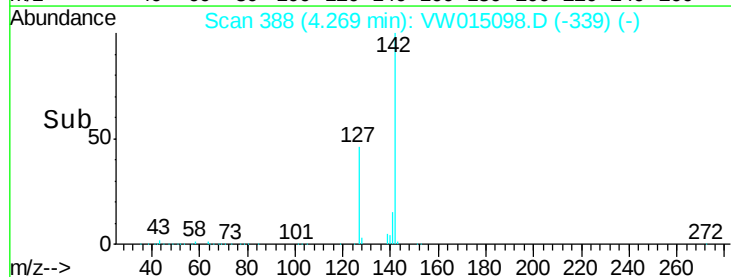
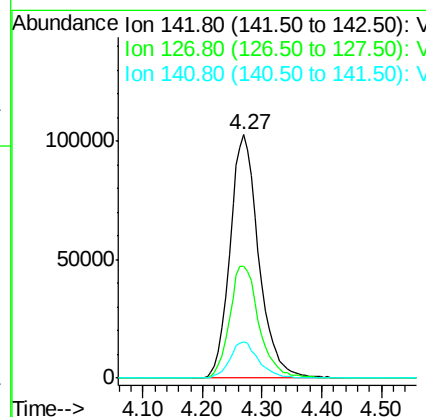
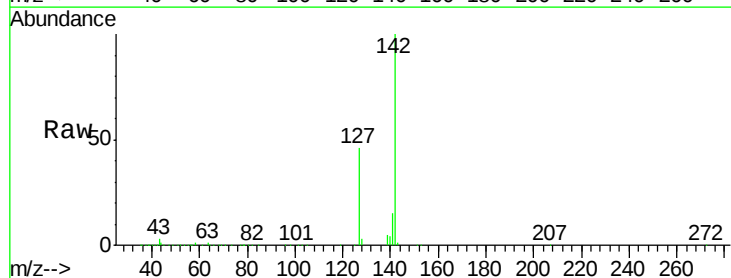
RT: 4.27 min Scan# 388

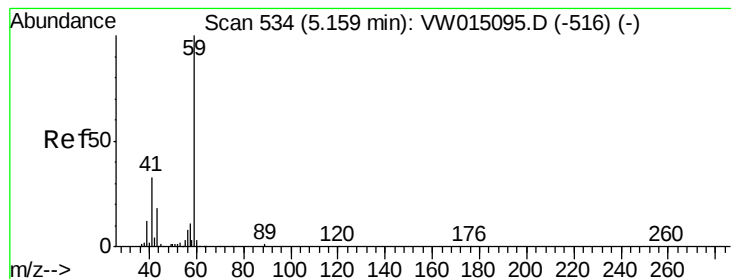
Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Tgt Ion:	142	Resp:	343098
Ion Ratio	Lower	Upper	
142	100		
127	47.1	38.2	57.4
141	14.9	12.0	18.0





#11

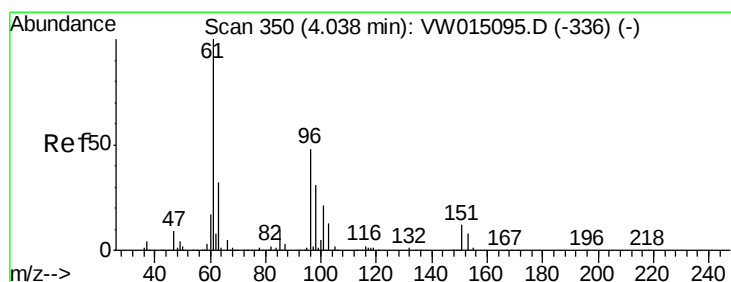
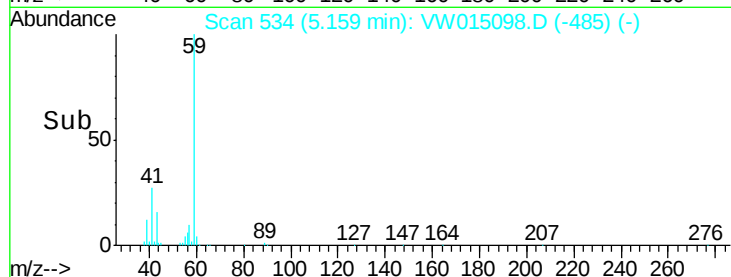
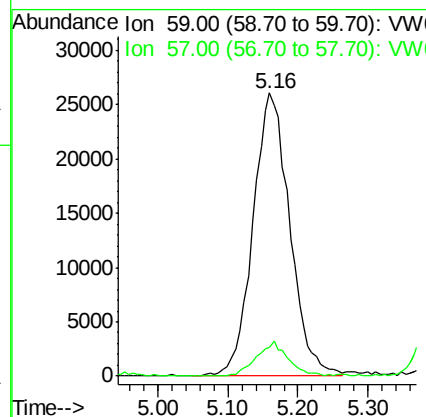
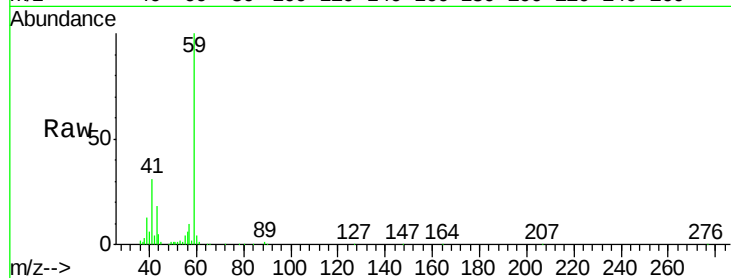
Tert butyl alcohol
Concen: 233.267 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.1	13.7

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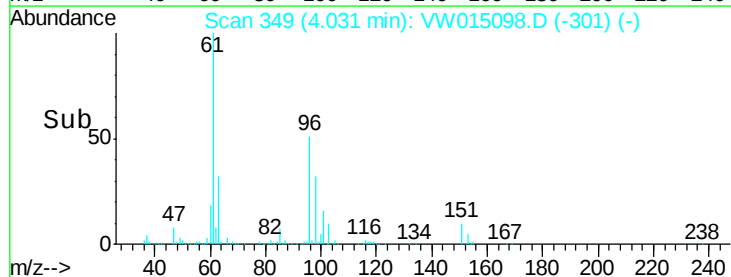
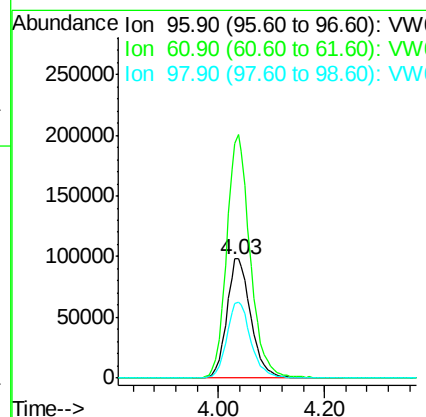
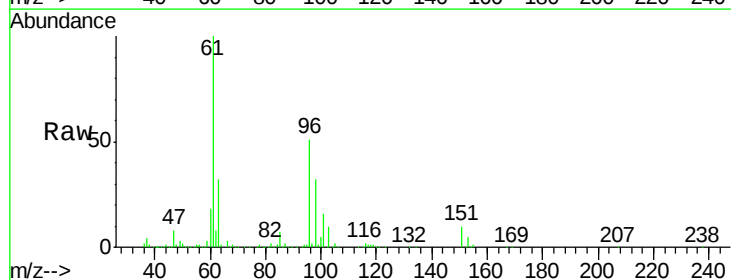
MMDadoda
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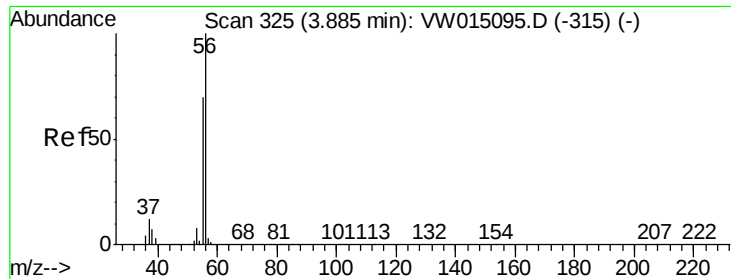


#12

1,1-Dichloroethene
Concen: 50.543 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.1	165.5	248.3
98	63.0	51.1	76.7





#13

Acrolein

Concen: 221.614 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion: 56 Resp: 132493

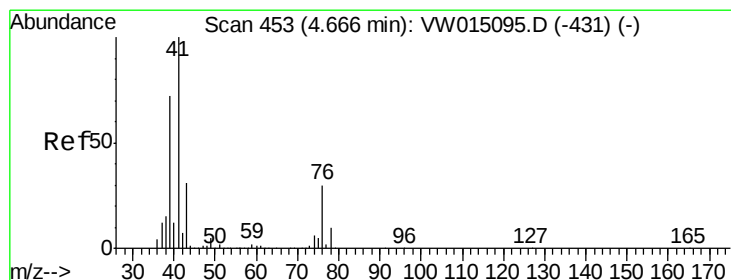
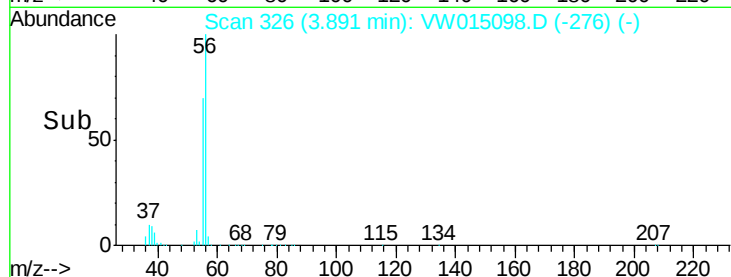
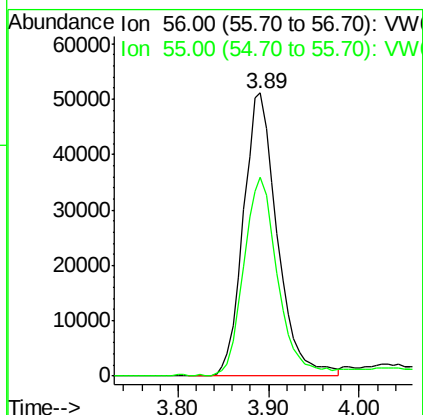
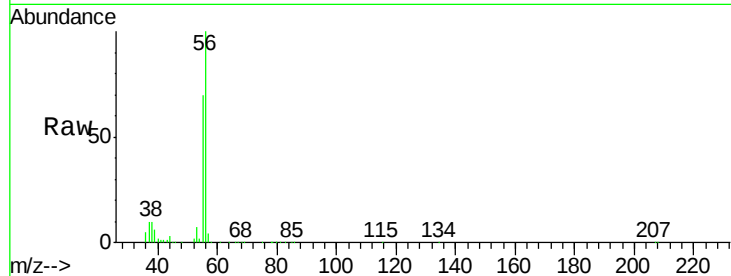
Ion Ratio Lower Upper

56 100

55 69.2 55.4 83.2

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#14

Allyl chloride

Concen: 52.201 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

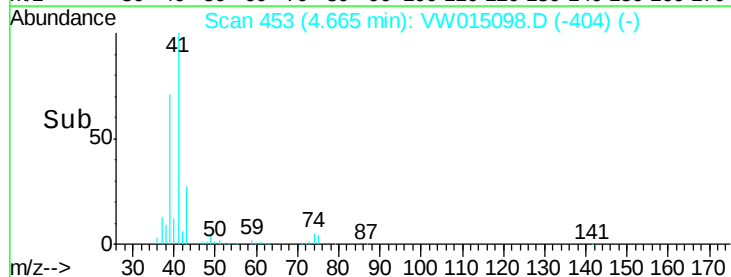
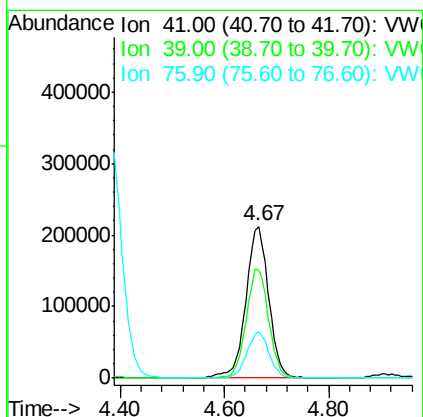
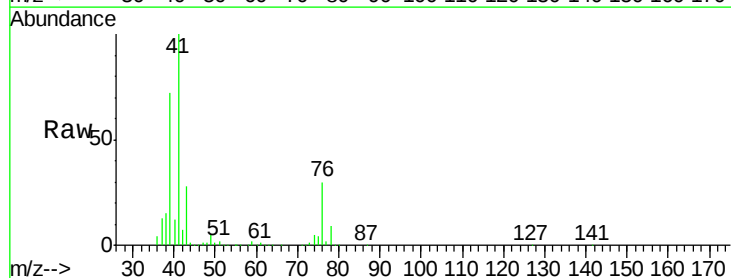
Tgt Ion: 41 Resp: 642979

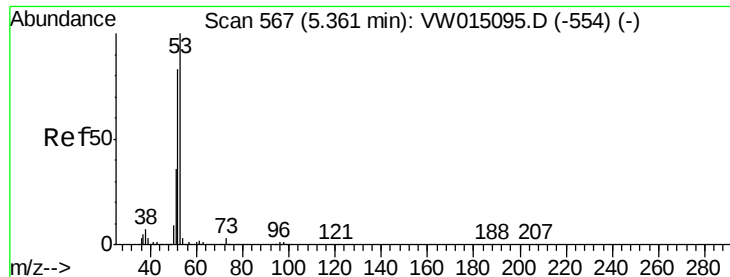
Ion Ratio Lower Upper

41 100

39 70.1 56.9 85.3

76 28.8 23.2 34.8





#15

Acrylonitrile

Concen: 237.782 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

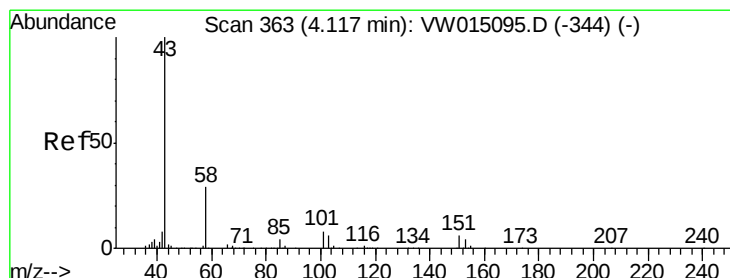
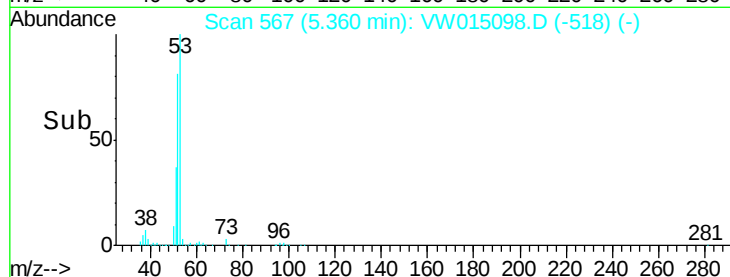
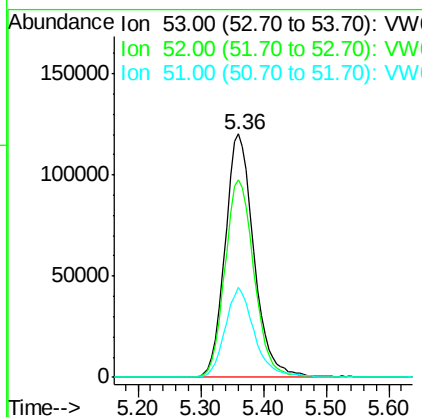
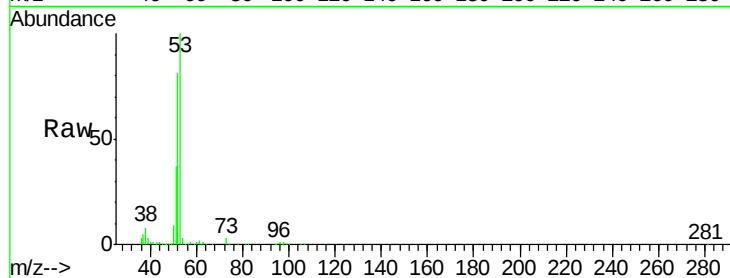
ClientSampleId :

ICVW030920

Tot Ion:	53	Resp:	383000
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.2	100.8
51	37.6	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 285.683 ug/l

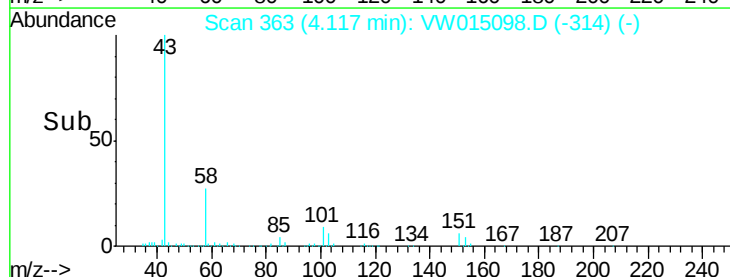
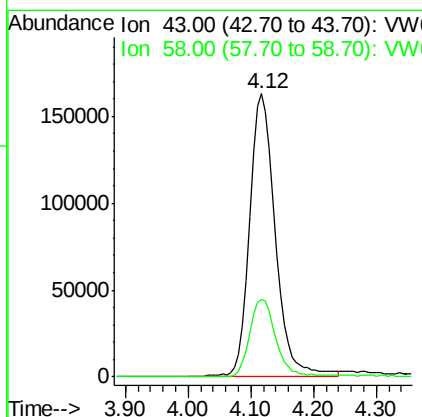
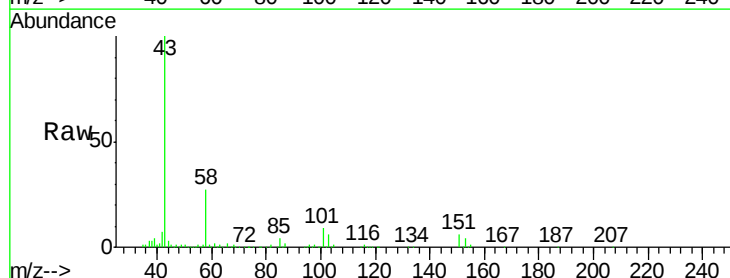
RT: 4.12 min Scan# 363

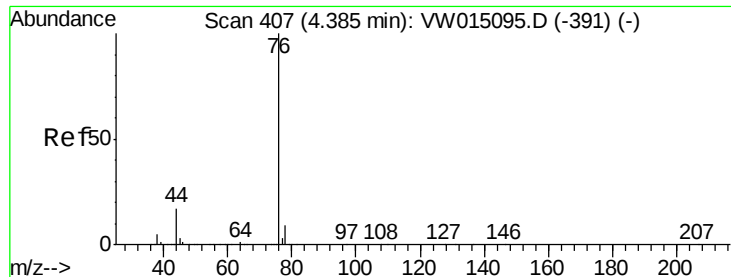
Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Tgt Ion:	43	Resp:	463431
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.9	34.3





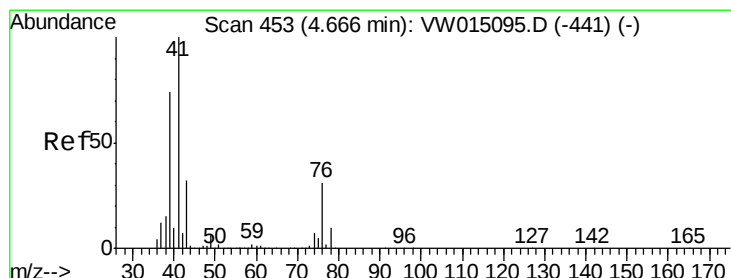
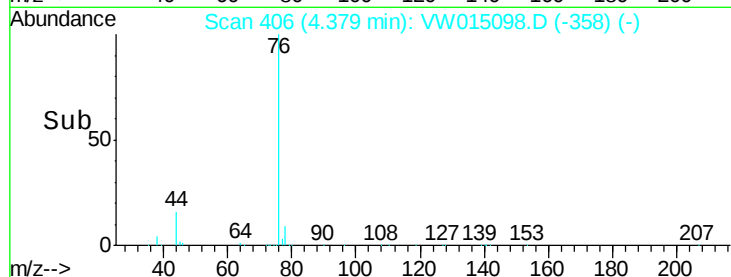
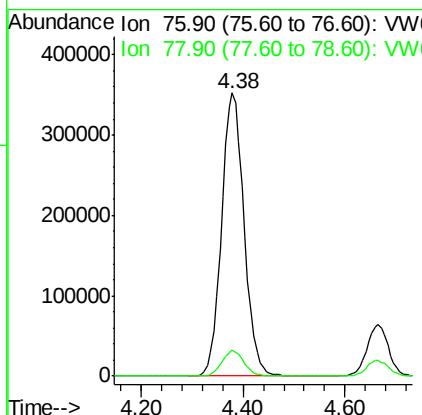
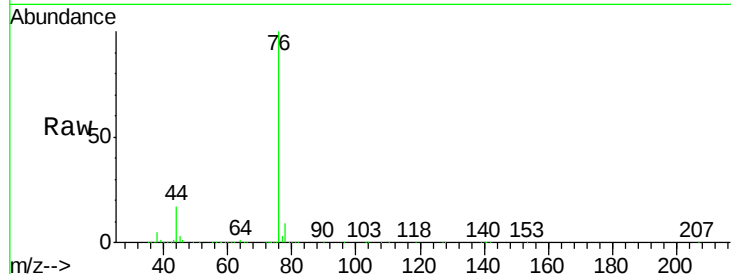
#17
Carbon Disulfide
Concen: 49.303 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion: 76 Resp: 1074416
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3

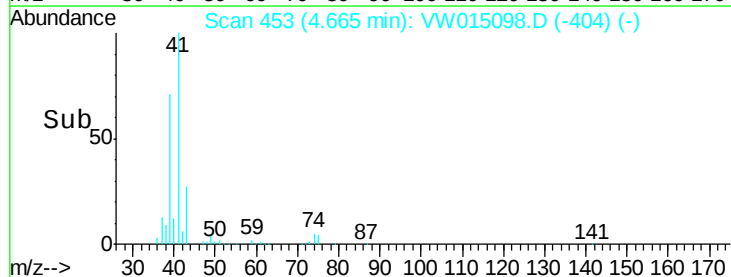
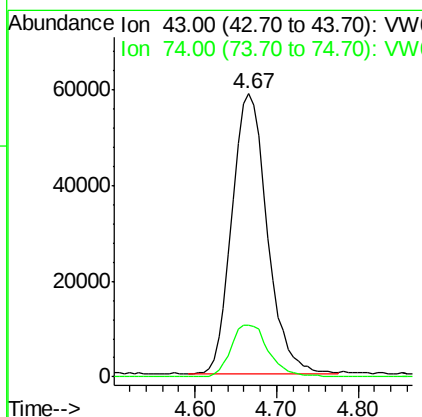
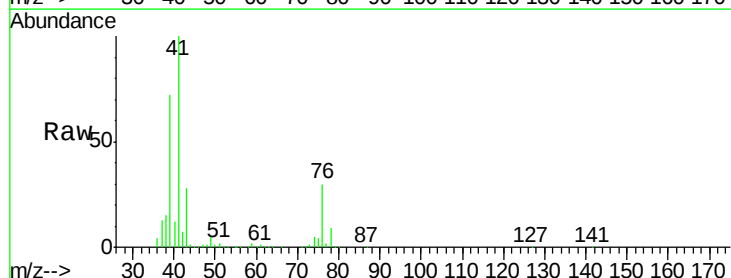
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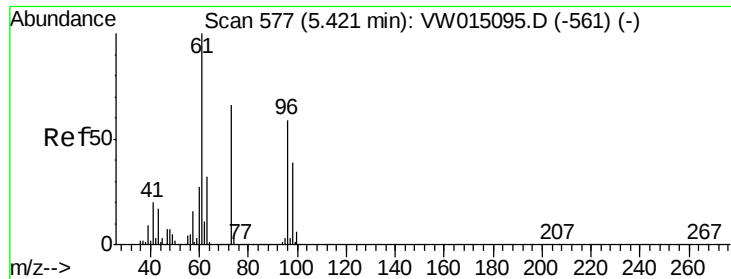
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#18
Methyl Acetate
Concen: 45.615 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 43 Resp: 175406
Ion Ratio Lower Upper
43 100
74 20.1 15.8 23.6





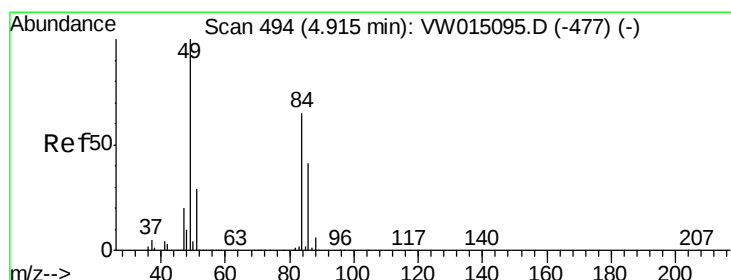
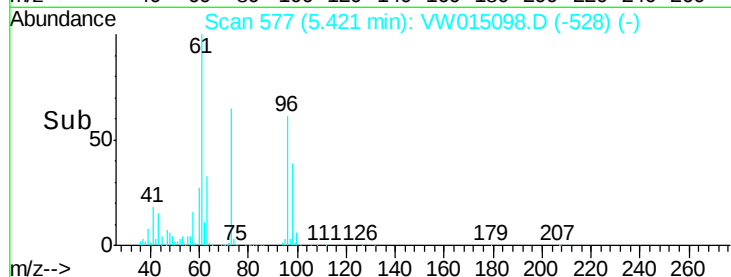
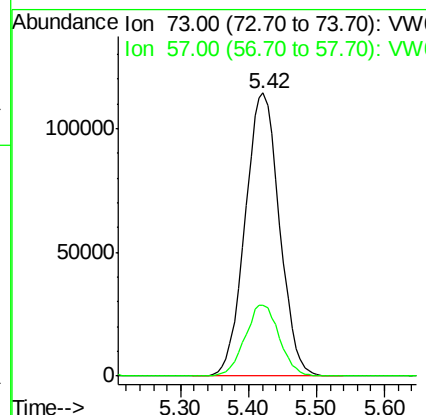
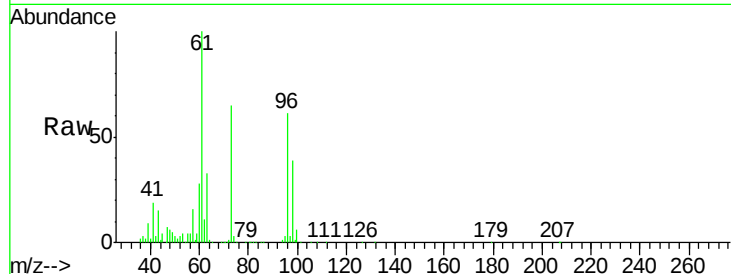
#19
Methvl tert-butvl Ether
Concen: 50.979 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.3	28.9

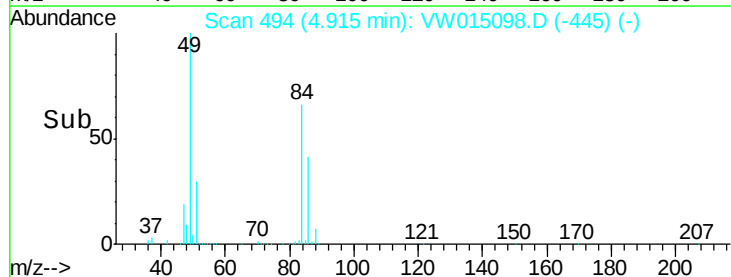
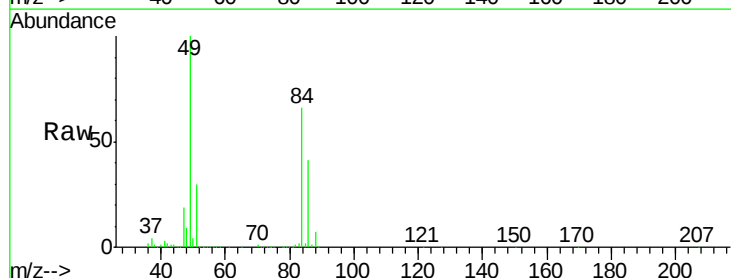
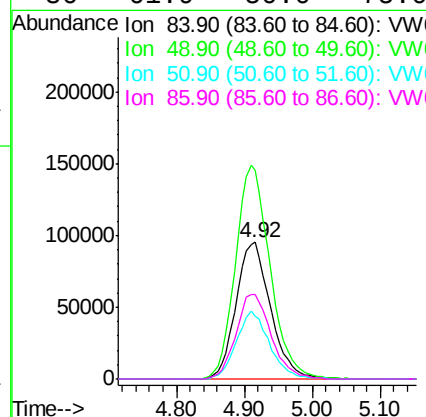
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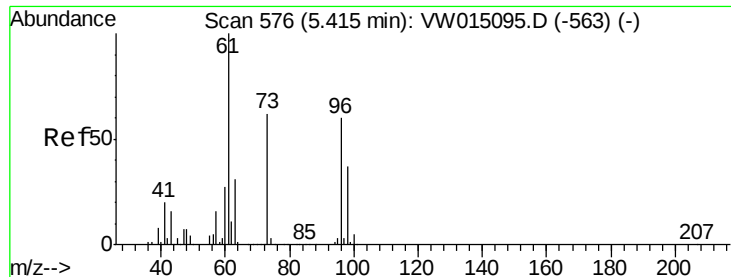
MMDadoda
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#20
Methylene Chloride
Concen: 50.796 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.4	122.8	184.2
51	45.4	35.9	53.9
86	61.9	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 49.649 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

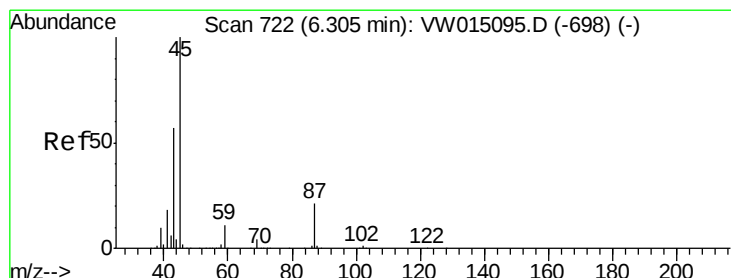
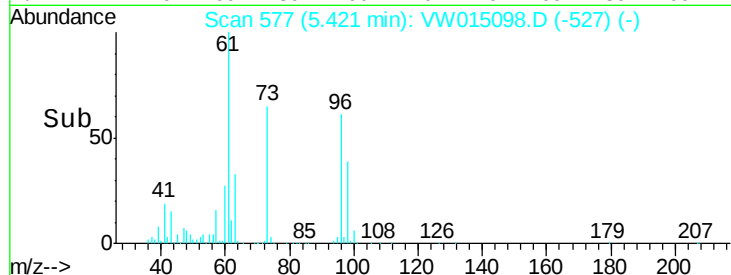
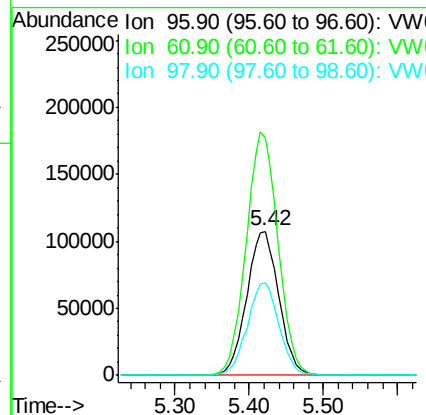
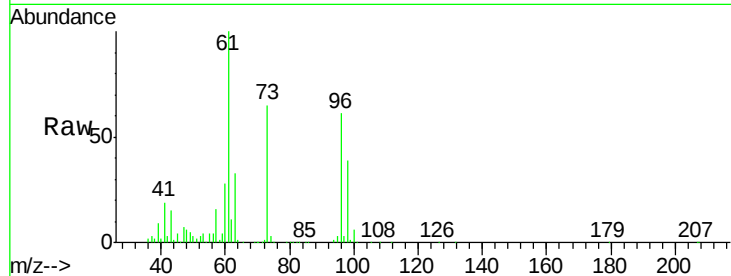
ClientSampleId :

ICVW030920

Tot Ion:	96	Resp:	323998
Ion	Ratio	Lower	Upper
96	100		
61	164.5	132.5	198.7
98	64.2	48.9	73.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.362 ug/l

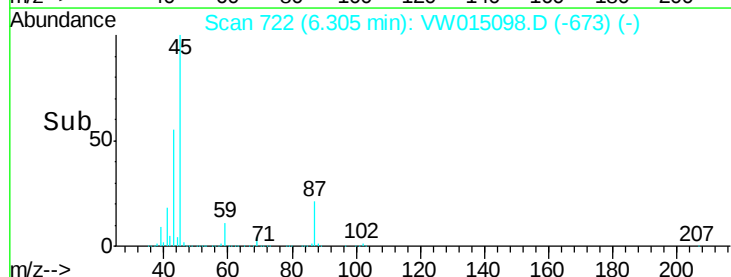
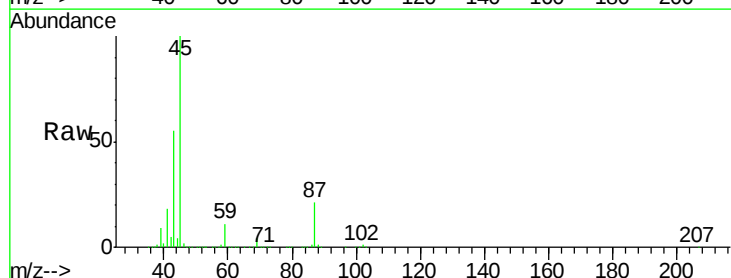
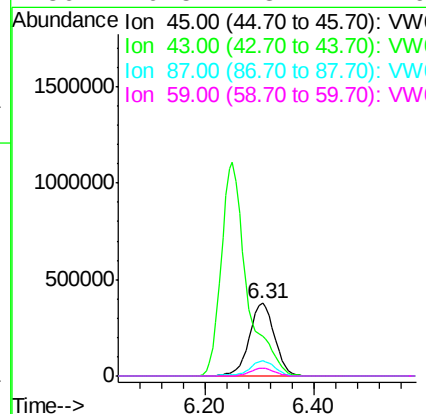
RT: 6.31 min Scan# 722

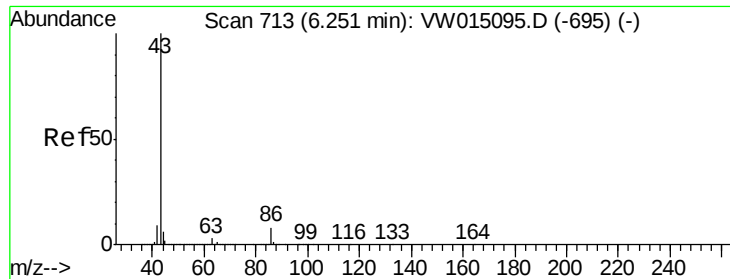
Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Tgt Ion:	45	Resp:	1213903
Ion	Ratio	Lower	Upper
45	100		
43	55.2	45.4	68.0
87	20.8	16.4	24.6
59	10.5	8.4	12.6





#23

Vinyl Acetate

Concen: 258.238 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion: 43 Resp: 3602870

Ion Ratio Lower Upper

43 100

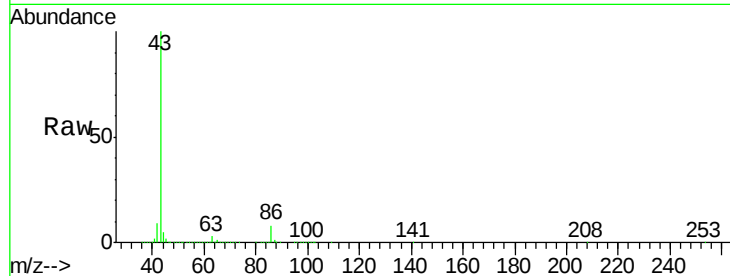
86 8.1 6.3 9.5

Manual Integrations

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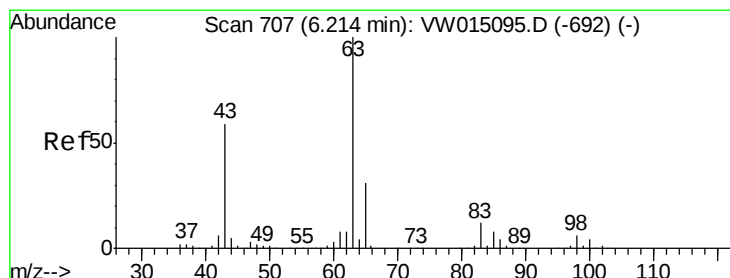
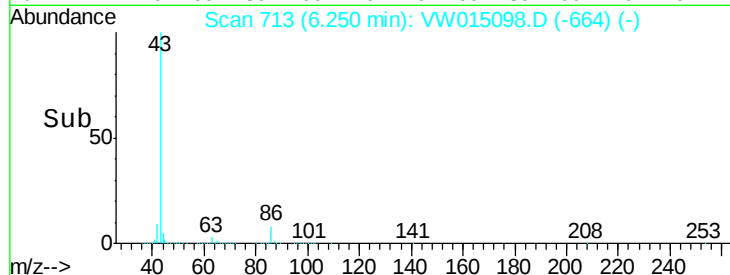
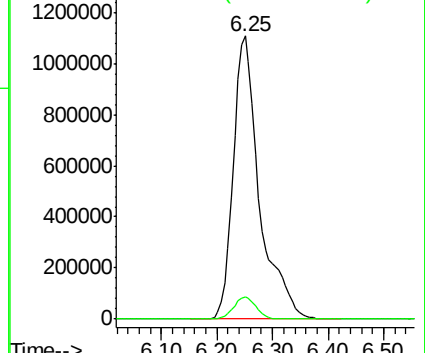
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.674 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

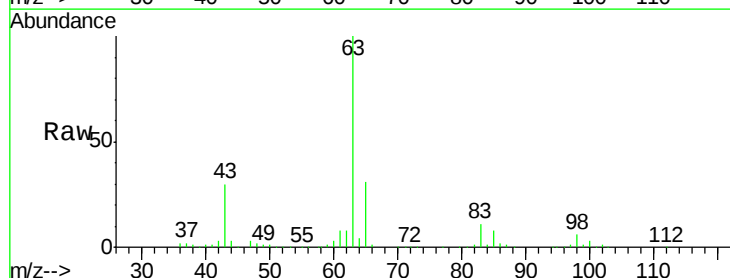
Tgt Ion: 63 Resp: 670847

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

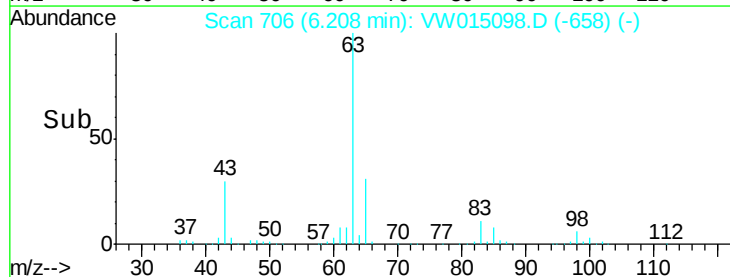
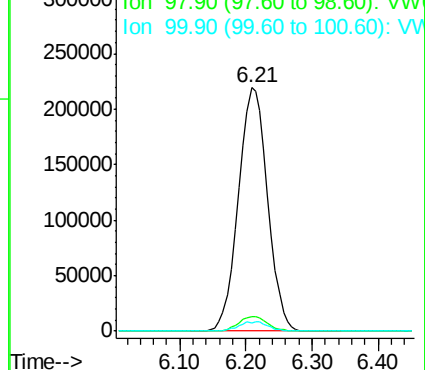
100 3.4 2.1 6.3

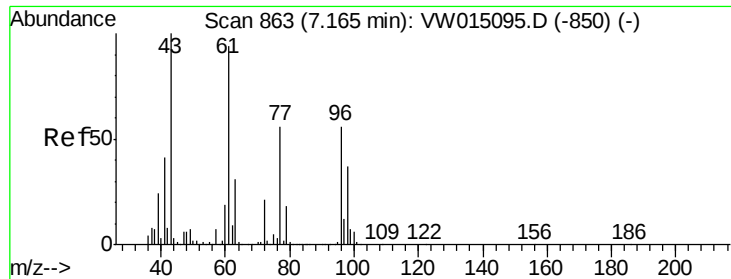


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 256.979 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion: 43 Resp: 571479

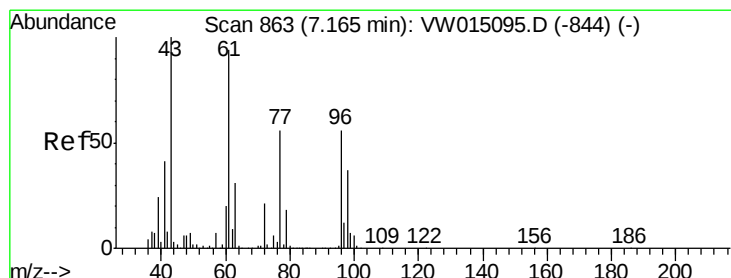
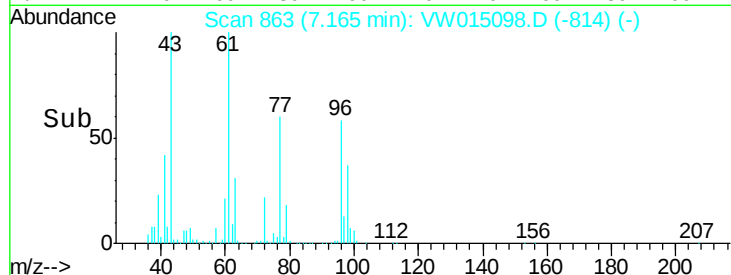
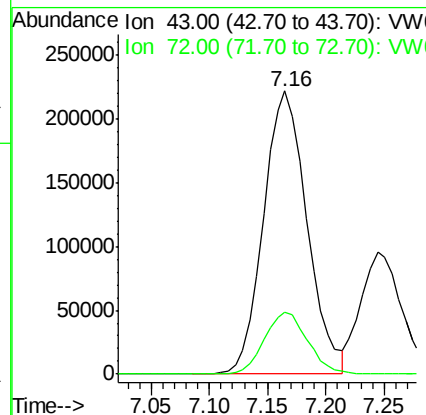
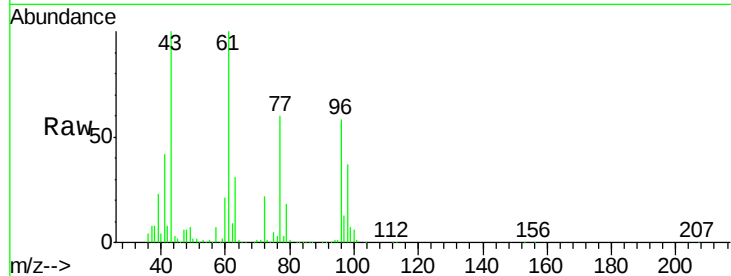
Ion Ratio Lower Upper

43 100

72 22.0 17.0 25.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 48.270 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015098.D

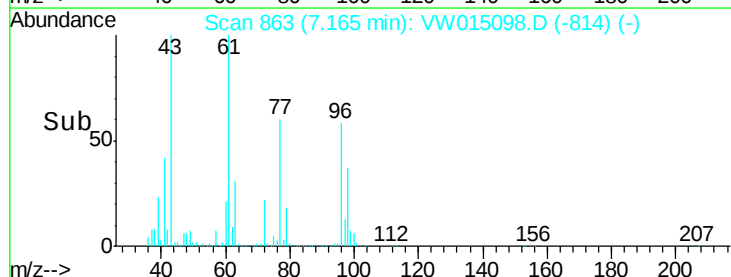
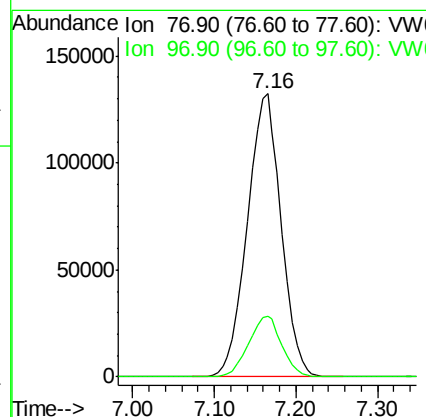
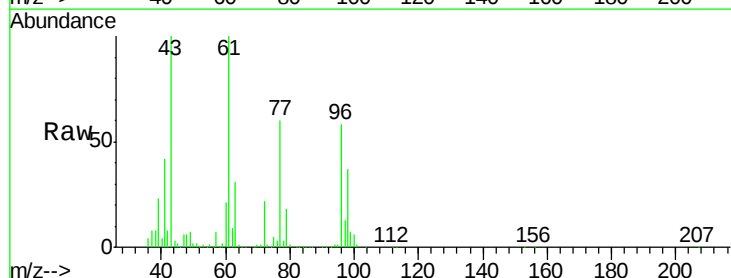
Acq: 09 Mar 2020 13:25

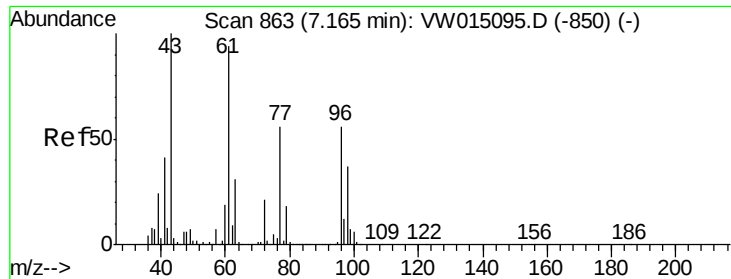
Tgt Ion: 77 Resp: 380495

Ion Ratio Lower Upper

77 100

97 21.1 10.6 31.8





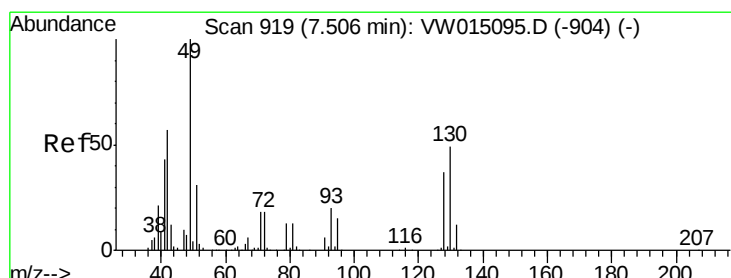
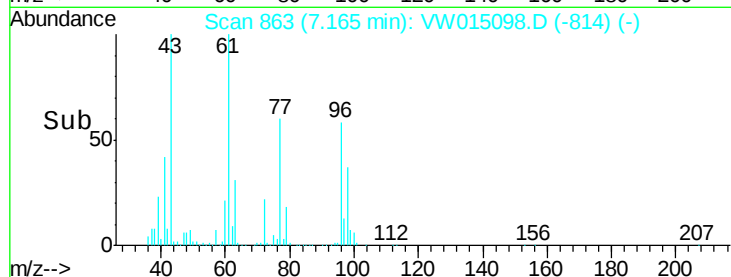
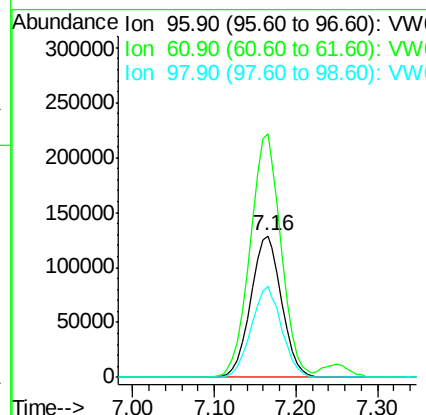
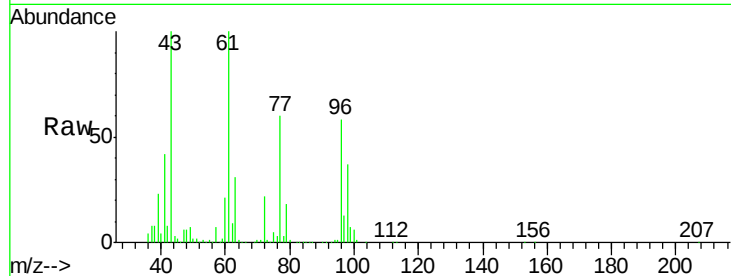
#27
 cis-1,2-Dichloroethene
 Concen: 49.836 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030920

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	172.6	0.0	343.4	
98	63.3	0.0	127.6	

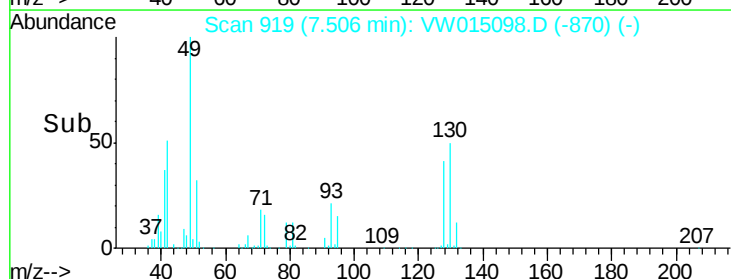
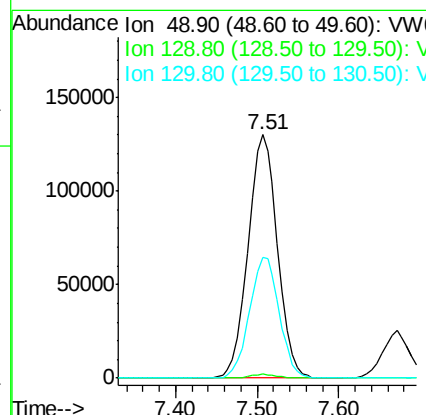
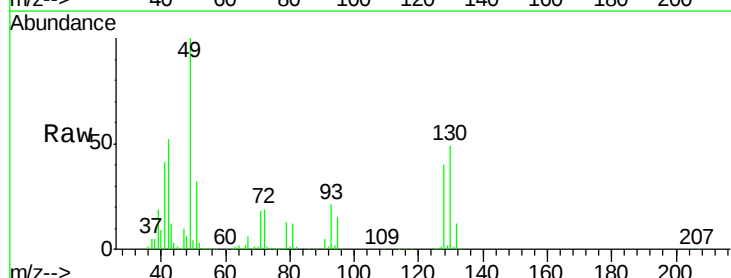
Manual Integrations
 APPROVED

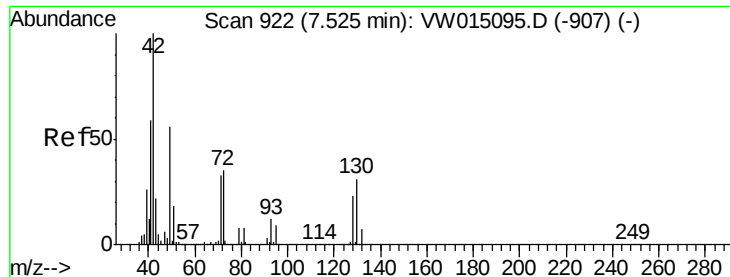
MMDadoda
 3/11/2020 3:24:04 PM



#28
 Bromochloromethane
 Concen: 49.307 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.0	
130	50.2	39.8	59.6	





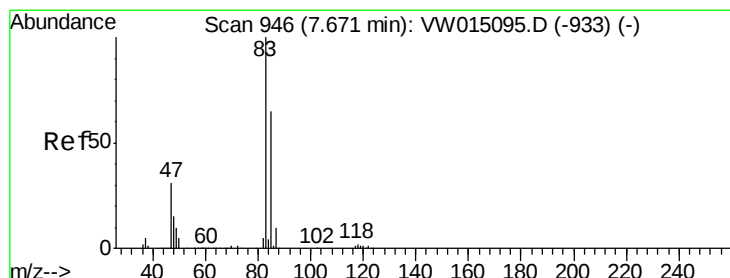
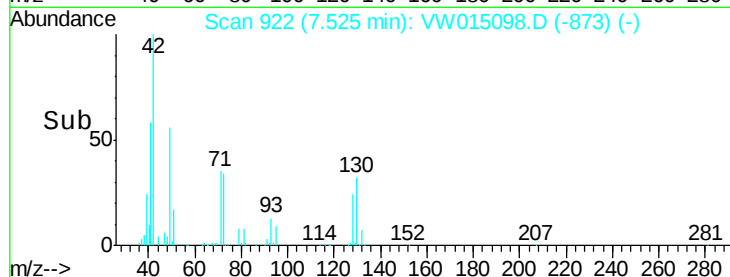
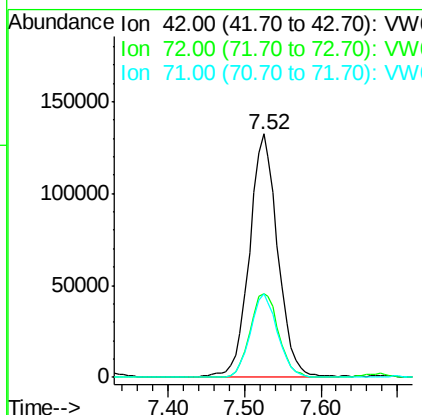
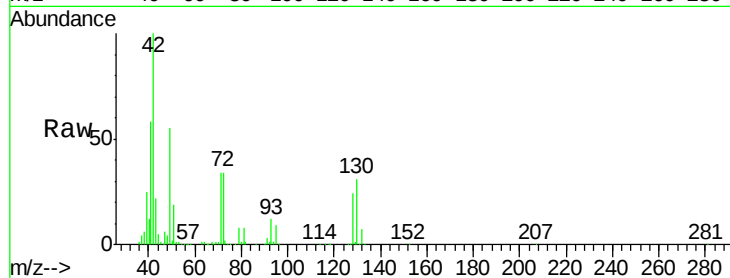
#29
Tetrahydrofuran
Concen: 244.065 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion:	42	Resp:	339495
Ion Ratio	Lower	Upper	
42	100		
72	35.2	27.8	41.6
71	33.4	26.4	39.6

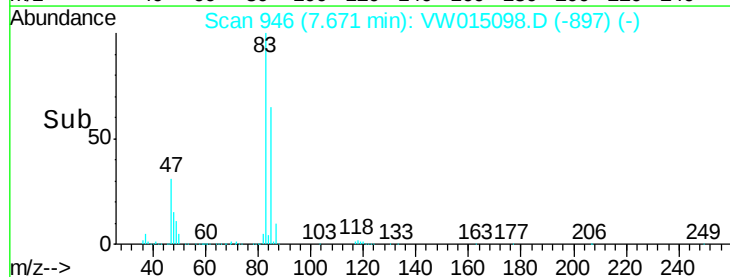
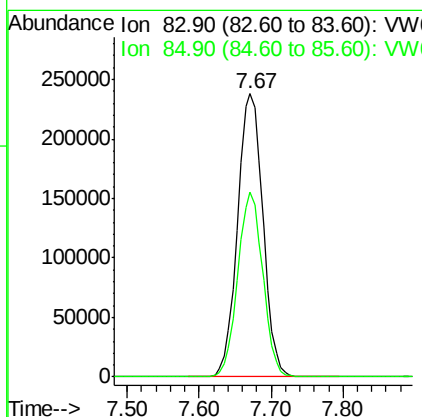
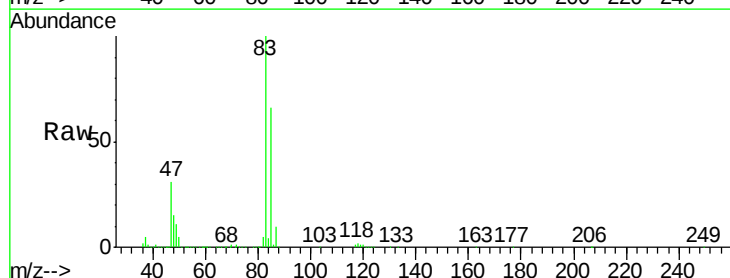
Manual Integrations
APPROVED

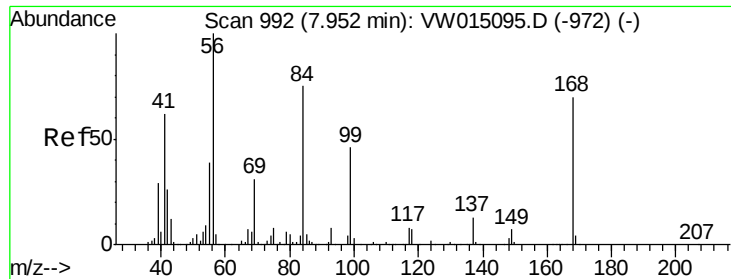
MMDadoda
3/11/2020 3:24:04 PM



#30
Chloroform
Concen: 47.541 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion:	83	Resp:	581465
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.9	77.9





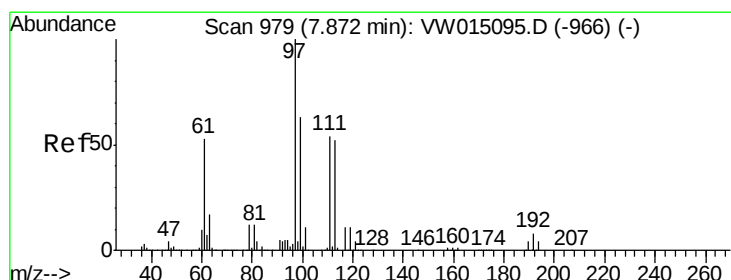
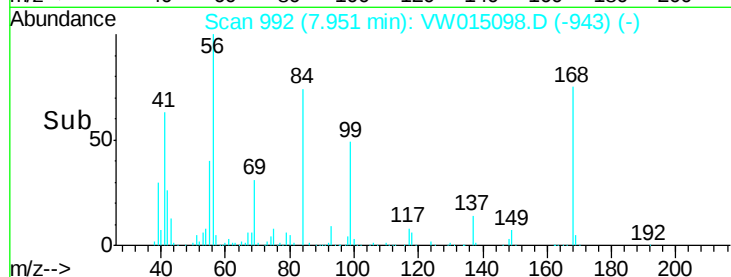
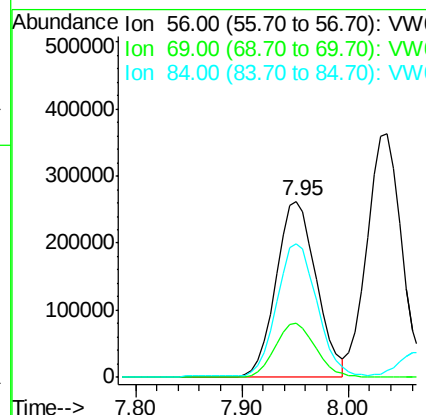
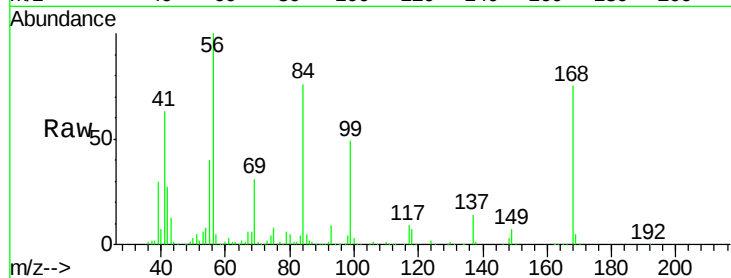
#31
Cvclohexane
Concen: 48.494 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.6	37.0
84	75.2	59.9	89.9

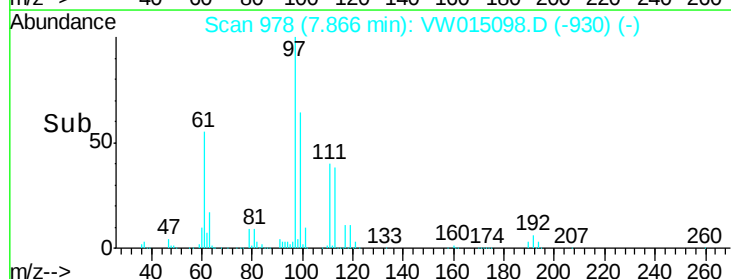
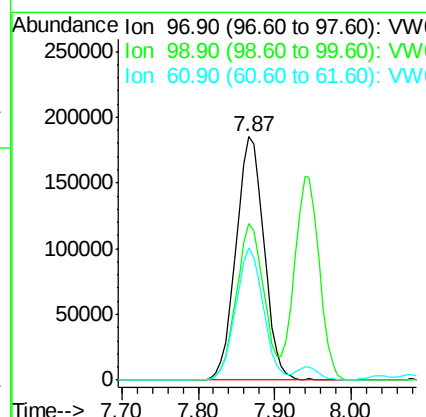
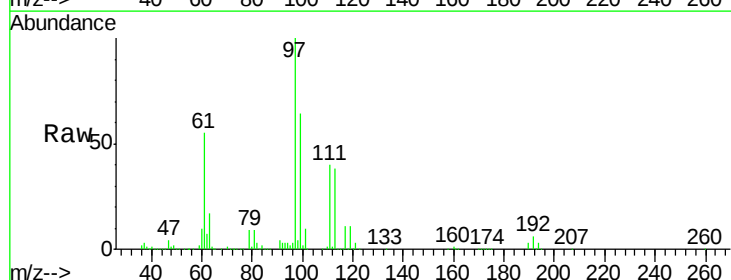
Manual Integrations
APPROVED

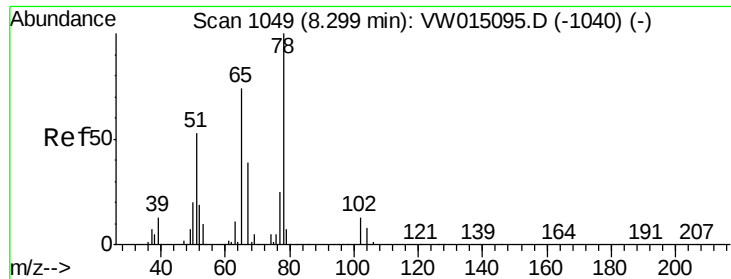
MMDadoda
3/11/2020 3:24:04 PM



#32
1,1,1-Trichloroethane
Concen: 49.128 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.3	76.9
61	54.0	44.0	66.0





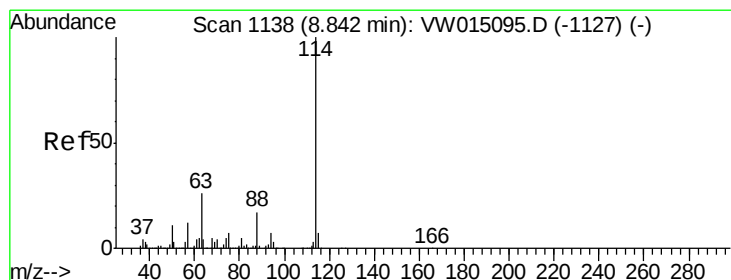
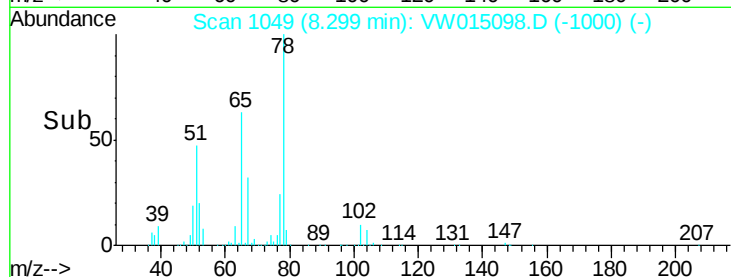
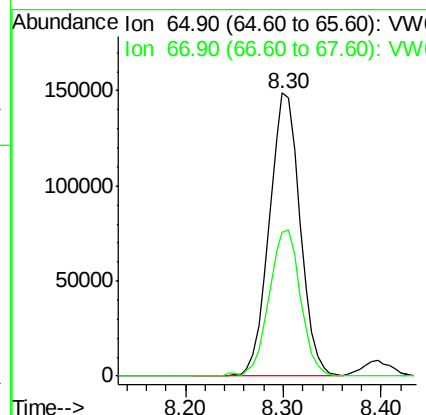
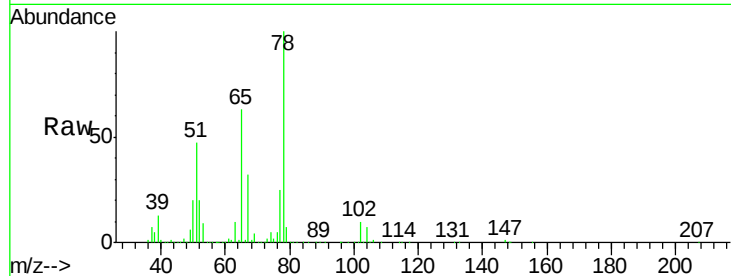
#33
 1,2-Dichloroethane-d4
 Concen: 45.813 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030920

Tot Ion	Ratio	Resp	Lower	Upper
65	100	325870		
67	53.0	0.0	0.0	105.0

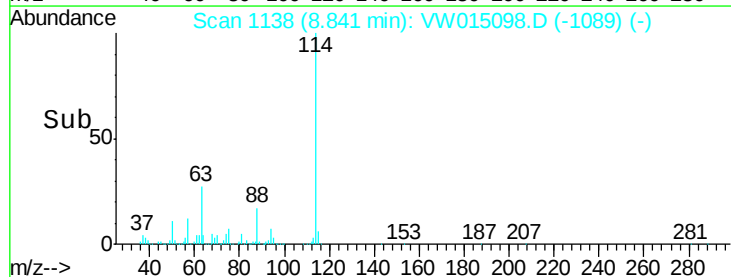
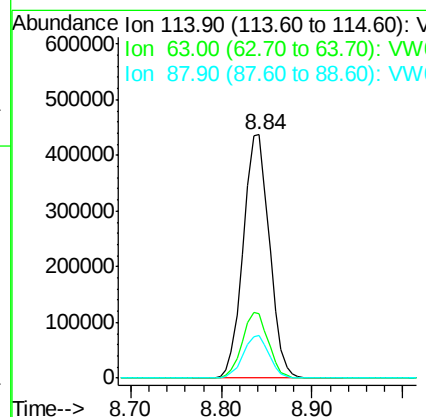
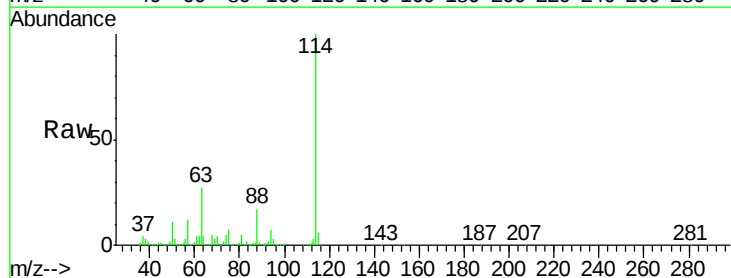
Manual Integrations
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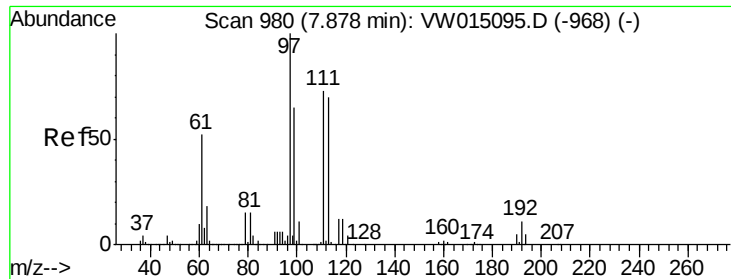
MMDadoda
 3/11/2020 3:24:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	876905		
63	26.6	0.0	0.0	52.0
88	17.3	0.0	0.0	34.2





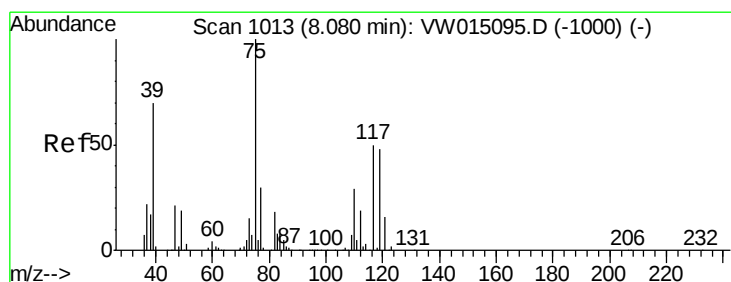
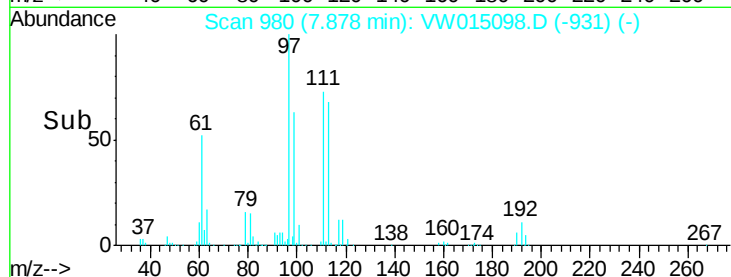
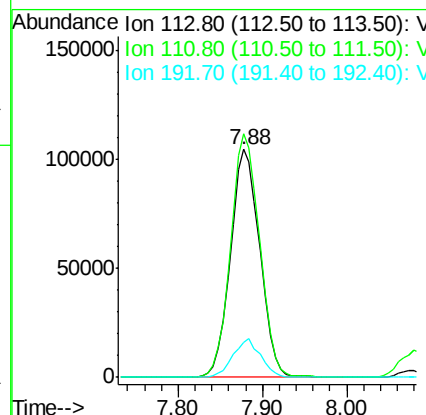
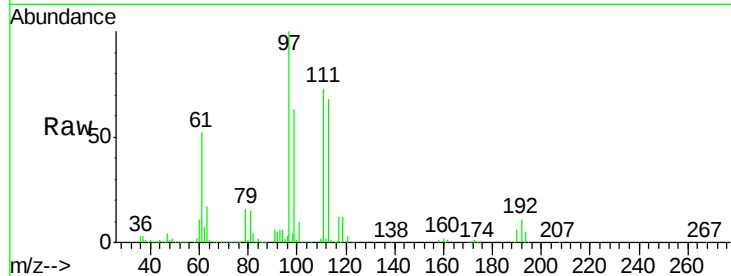
#35
 Dibromofluoromethane
 Concen: 46.989 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW030920

Tot Ion	Ratio	Resp	Lower	Upper
113	100	246692		
111	105.8	83.6	125.4	
192	16.0	12.4	18.6	

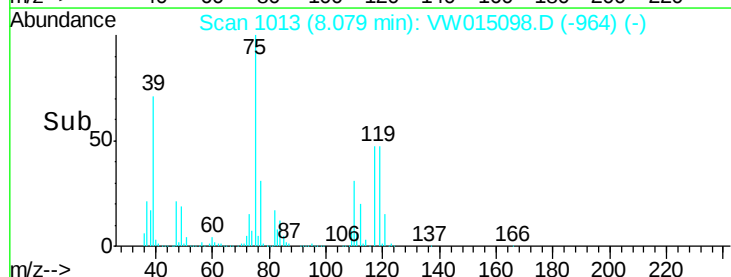
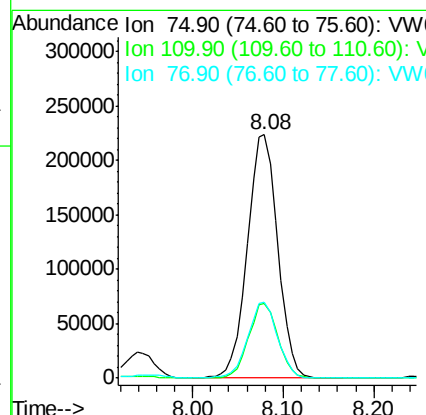
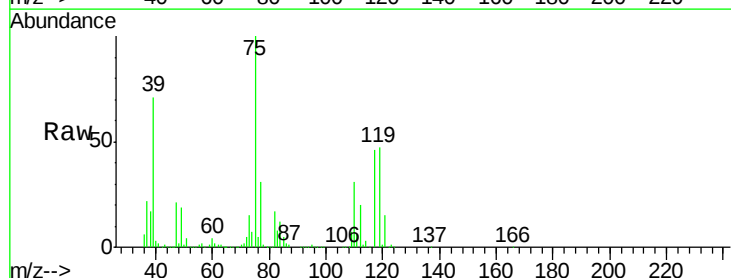
Manual Integrations
 APPROVED

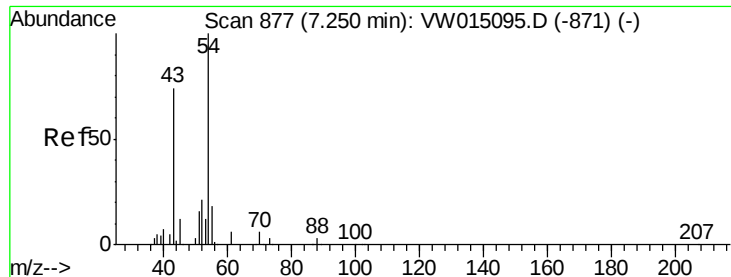
MMDadoda
 3/11/2020 3:24:04 PM



#36
 1,1-Dichloropropene
 Concen: 50.767 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	516267		
110	29.7	14.7	44.1	
77	30.7	24.2	36.4	





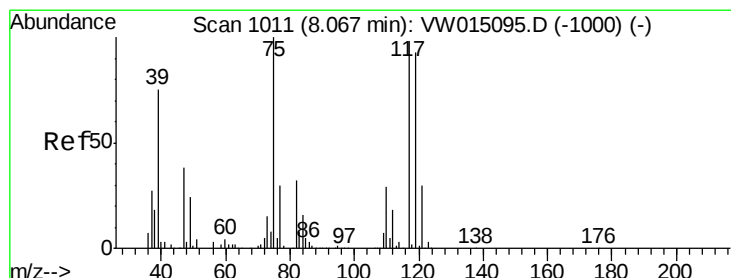
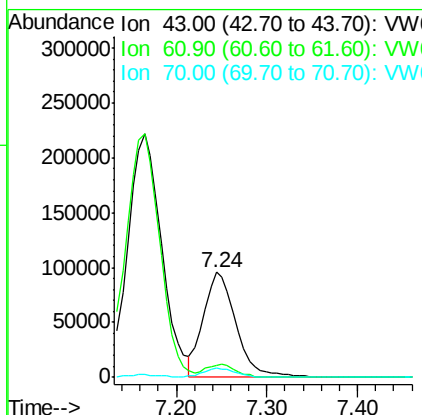
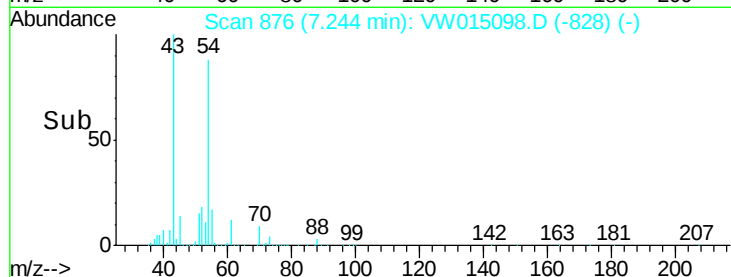
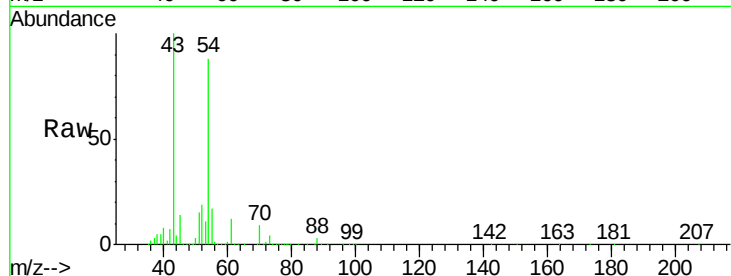
#37
Ethyl Acetate
Concen: 46.982 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.0	9.6	14.4	
70	8.7	6.5	9.7	

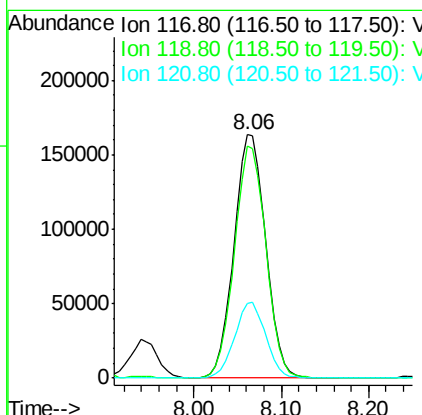
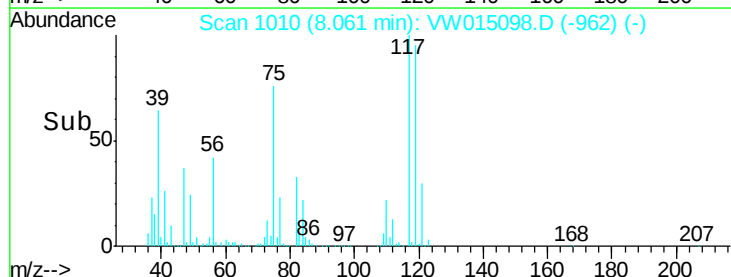
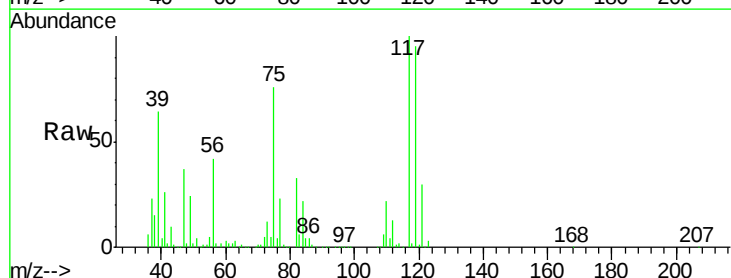
Manual Integrations
APPROVED

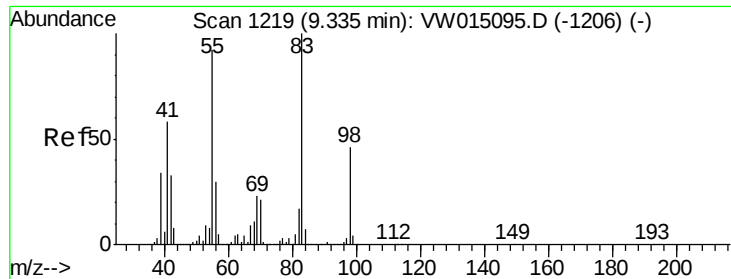
MMDadoda
3/11/2020 3:24:04 PM



#38
Carbon Tetrachloride
Concen: 49.828 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.3	75.8	113.8	
121	30.4	24.5	36.7	





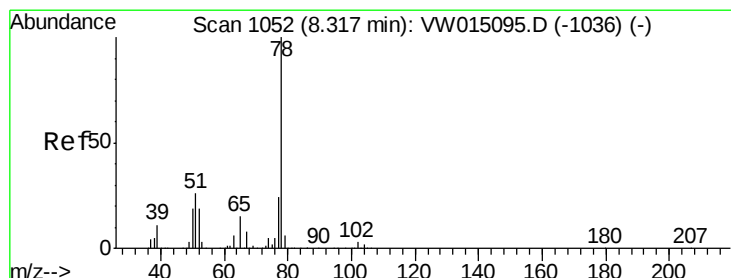
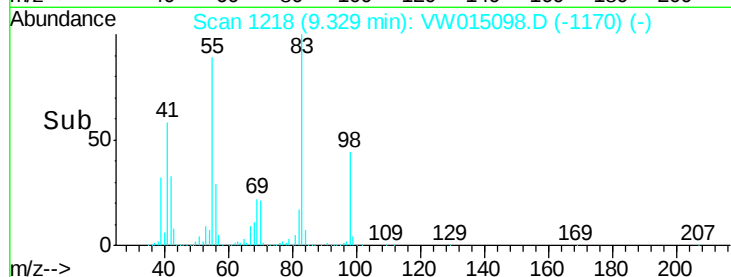
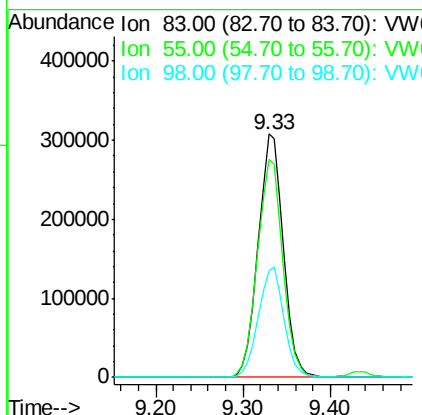
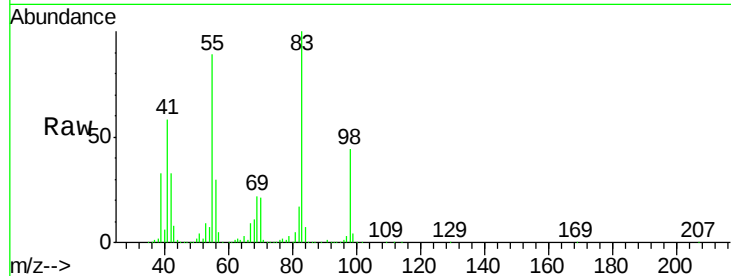
#39
Methvlcvclohexane
Concen: 53.083 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	73.5	110.3
98	43.6	37.2	55.8

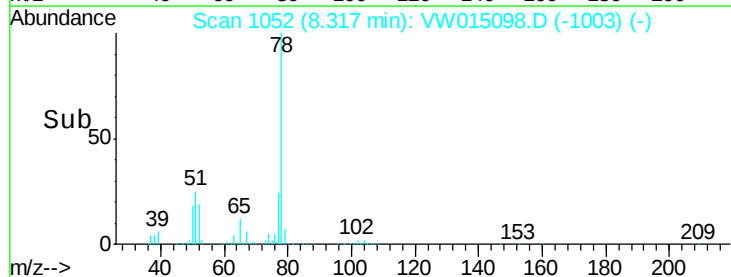
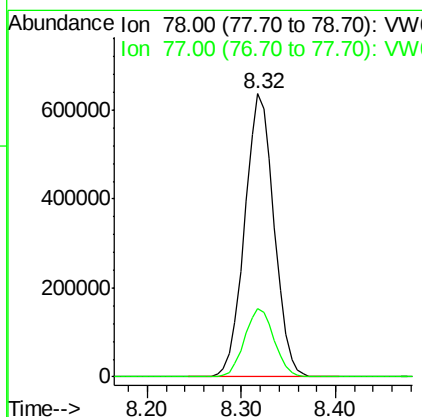
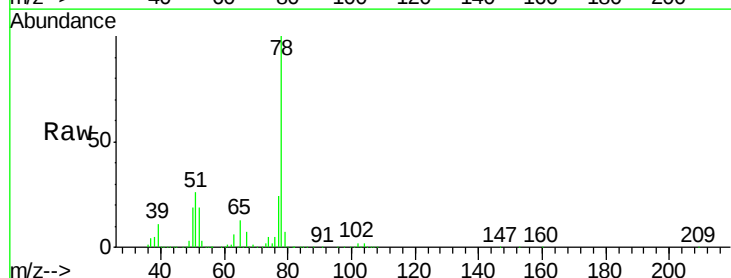
Manual Integrations
APPROVED

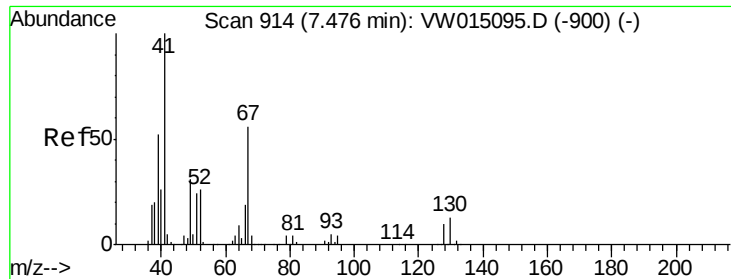
MMDadoda
3/11/2020 3:24:04 PM



#40
Benzene
Concen: 49.228 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.5	29.3





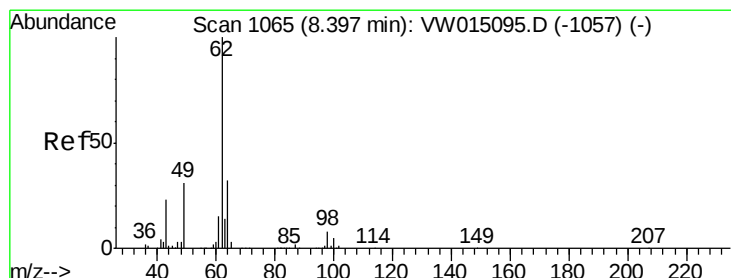
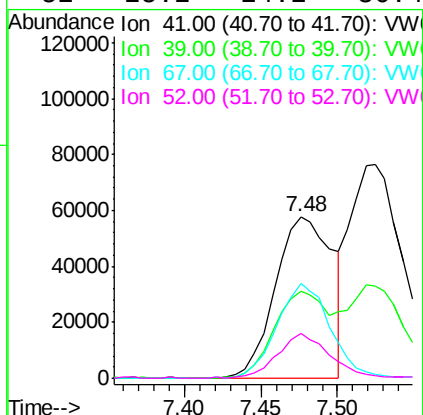
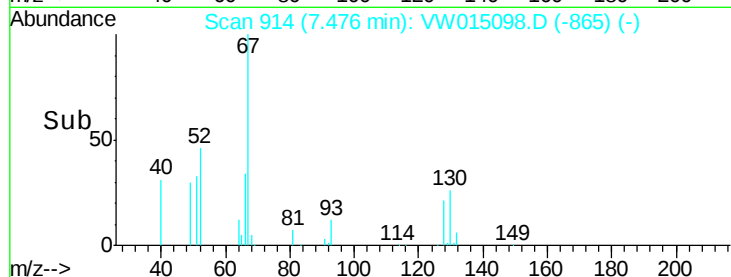
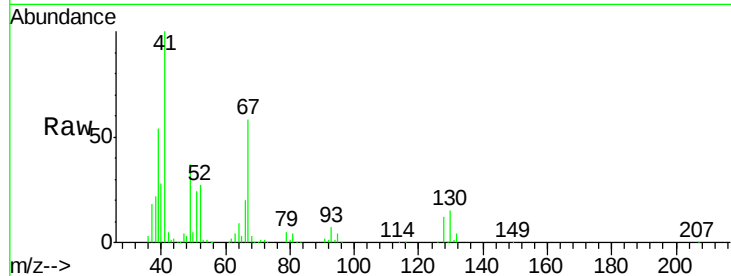
#41
Methacrylonitrile
Concen: 55.726 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		149373		
39	47.7	49.0	73.4#		
67	55.7	50.4	75.6		
52	25.2	24.2	36.4		

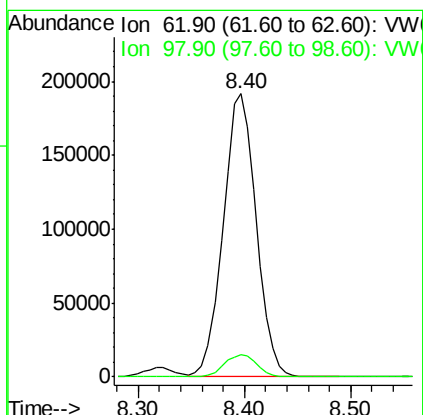
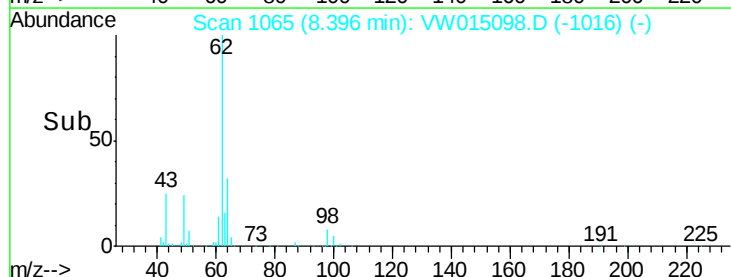
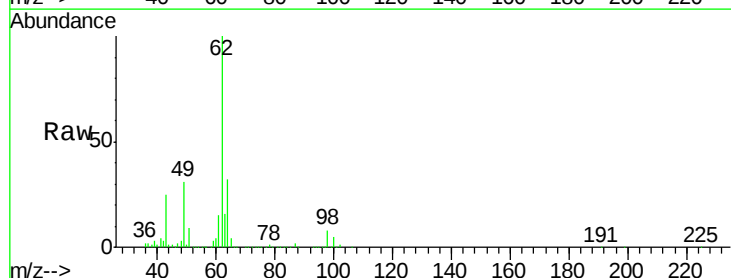
Manual Integrations
APPROVED

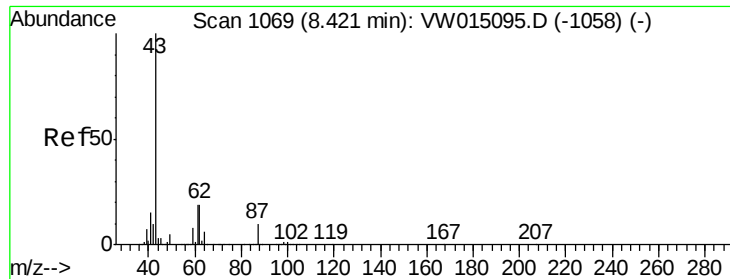
MMDadoda
3/11/2020 3:24:04 PM



#42
1,2-Dichloroethane
Concen: 48.174 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		414776		
98	8.0	0.0	16.0		





#43

Isopropyl Acetate

Concen: 48.517 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

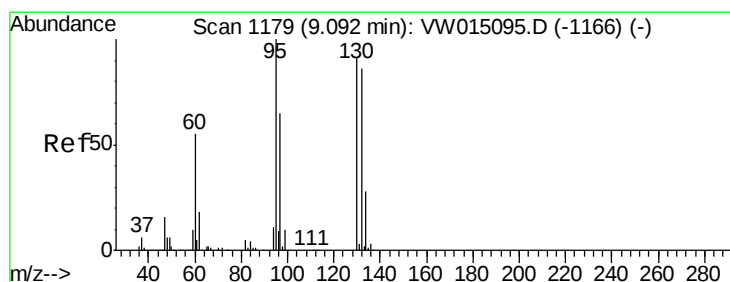
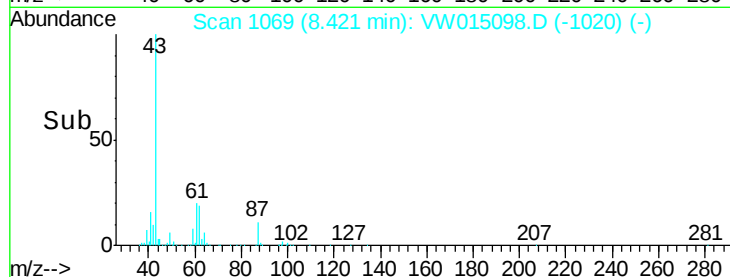
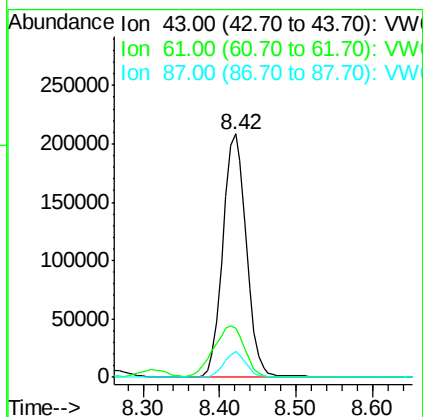
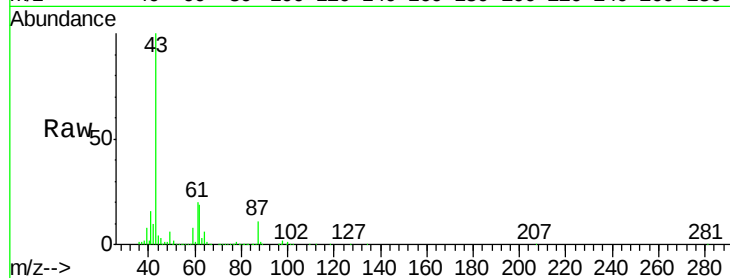
ClientSampleId :

ICVW030920

Tot Ion:	43	Resp:	440844
Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.8	32.8
87	10.1	8.0	12.0

Manual Integrations
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#44

Trichloroethene

Concen: 49.121 ug/l

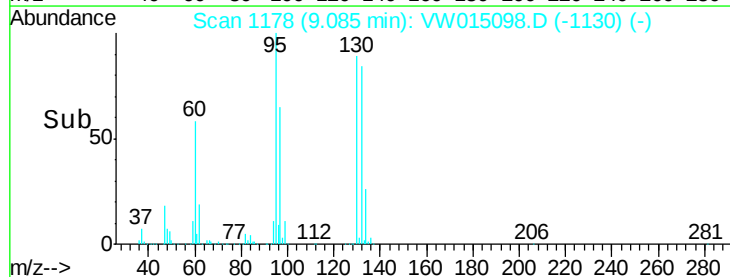
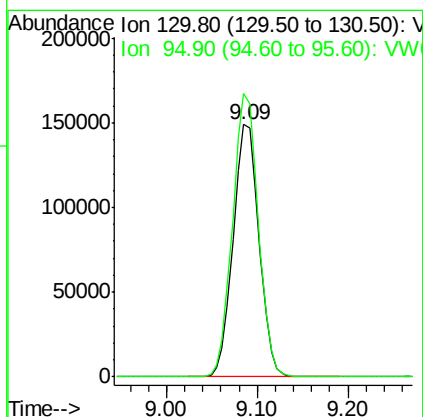
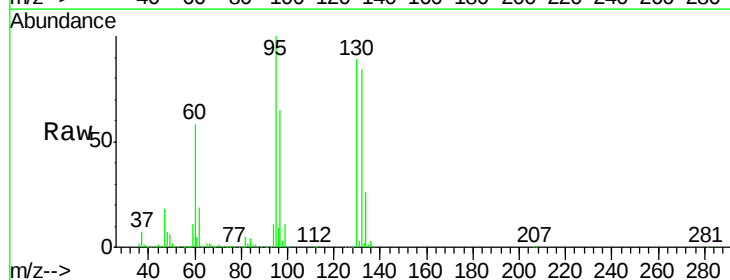
RT: 9.09 min Scan# 1178

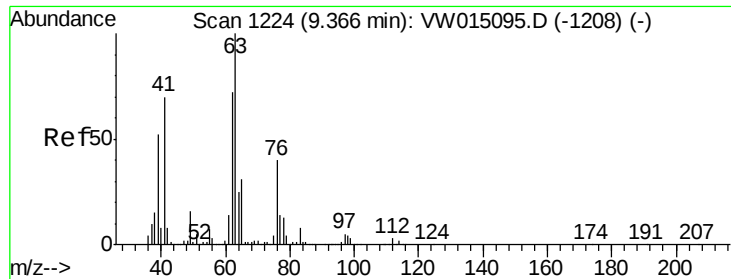
Delta R.T. -0.01 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Tgt Ion:	130	Resp:	295496
Ion	Ratio	Lower	Upper
130	100		
95	112.1	0.0	219.8





#45

1,2-Dichloropropane

Concen: 48.487 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion: 63 Resp: 369024

Ion Ratio Lower Upper

63 100

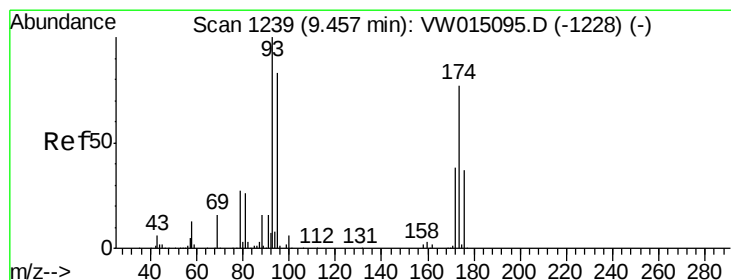
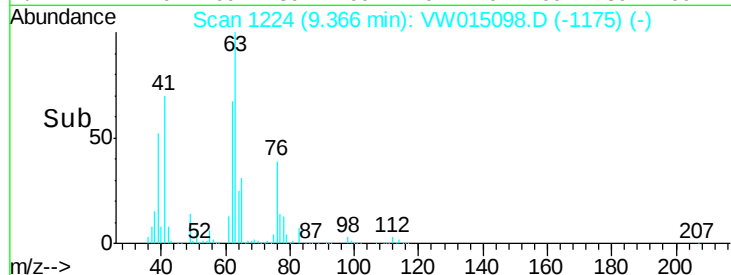
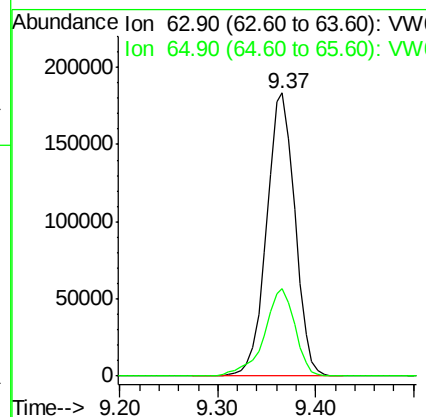
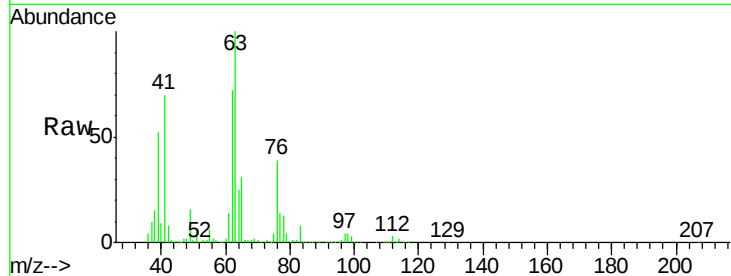
65 31.1 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 46.915 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

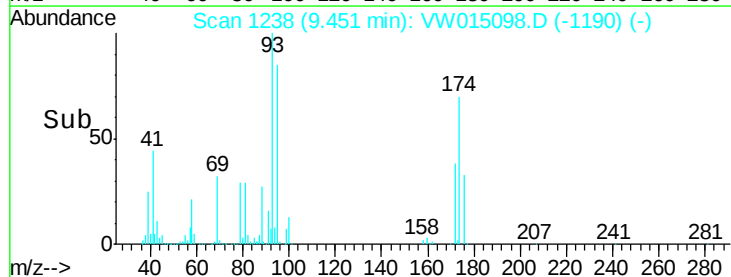
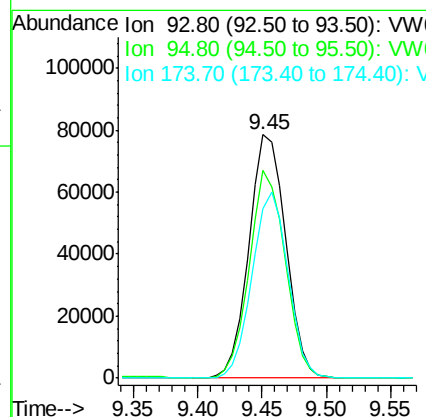
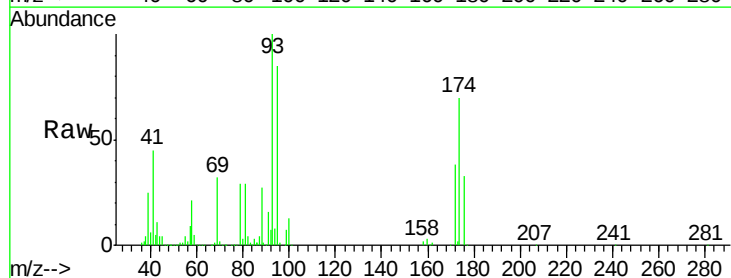
Tgt Ion: 93 Resp: 155256

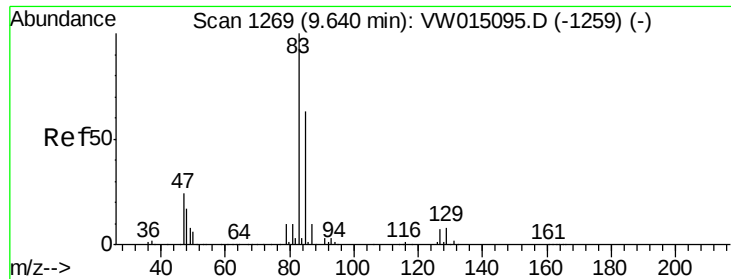
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 74.8 60.6 91.0





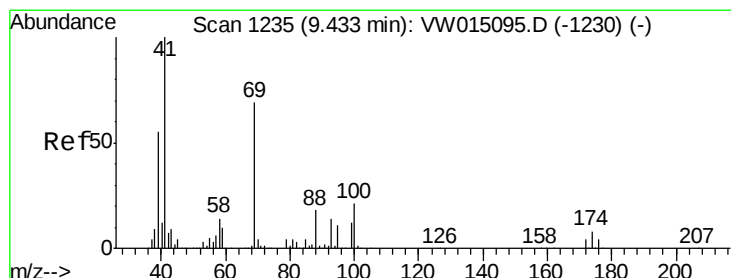
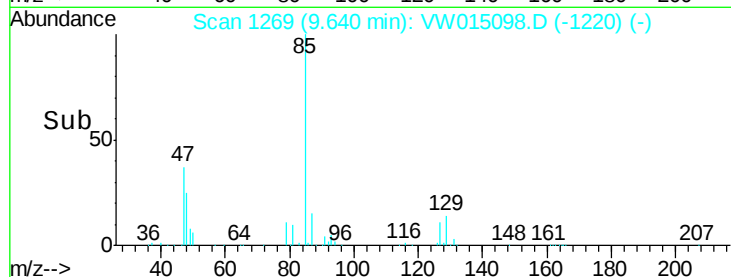
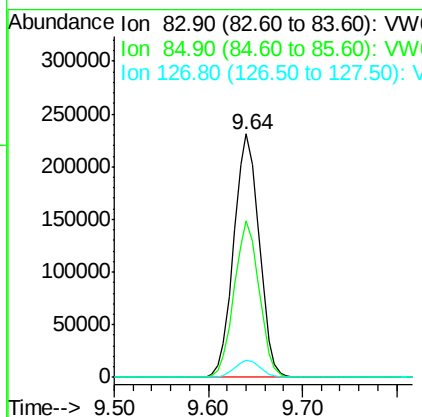
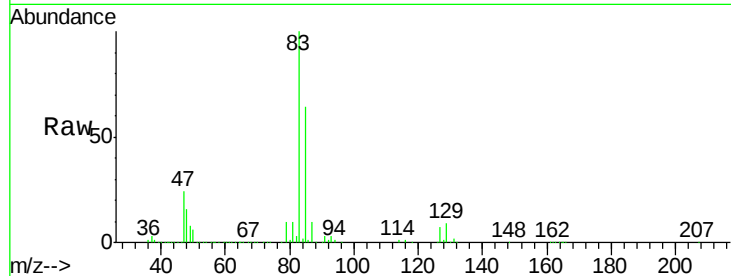
#47
Bromodichloromethane
Concen: 48.964 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Resp	Lower	Upper
83	100	432608		
85	64.2		50.7	76.1
127	7.2		5.5	8.3

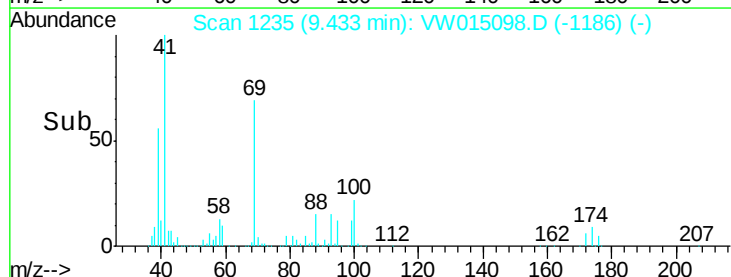
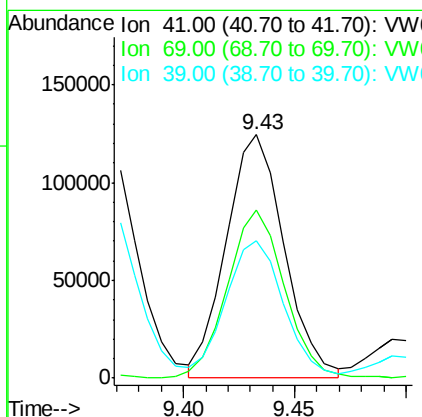
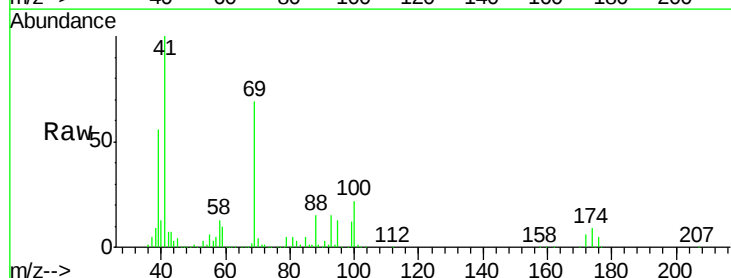
Manual Integrations
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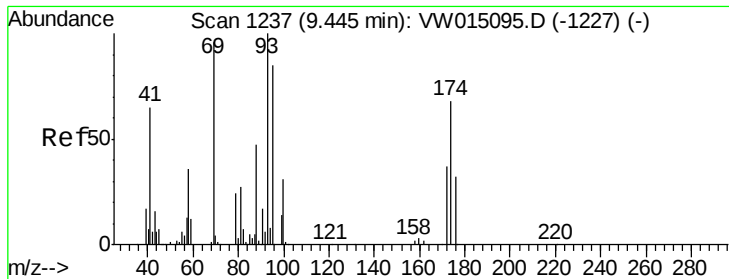
MMDadoda
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#48
Methyl methacrylate
Concen: 48.389 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	225123		
69	68.5		58.7	88.1
39	52.4		45.1	67.7





#49

1,4-Dioxane

Concen: 1022.971 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

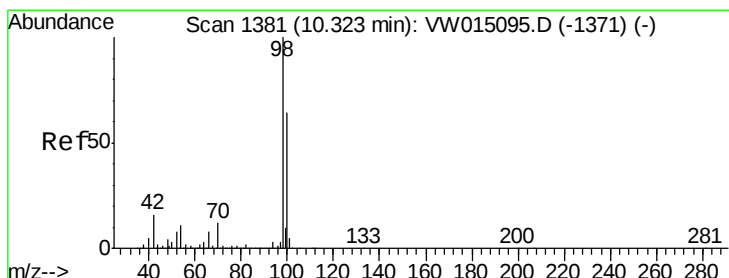
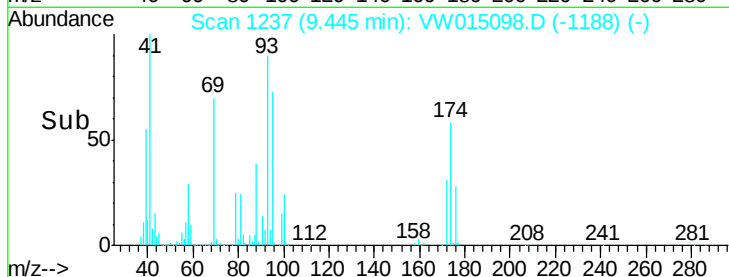
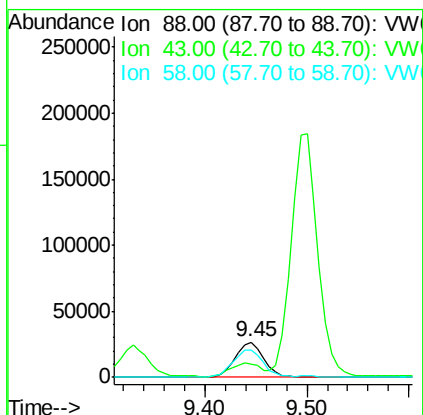
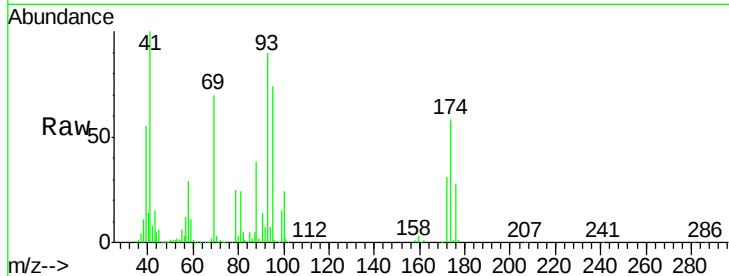
ClientSampleId :

ICVW030920

Tot Ion:	88	Resp:	51831
Ion Ratio	Lower	Upper	
88	100		
43	43.0	35.8	53.8
58	82.3	64.0	96.0

Manual Integrations
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#50

Toluene-d8

Concen: 49.426 ug/l

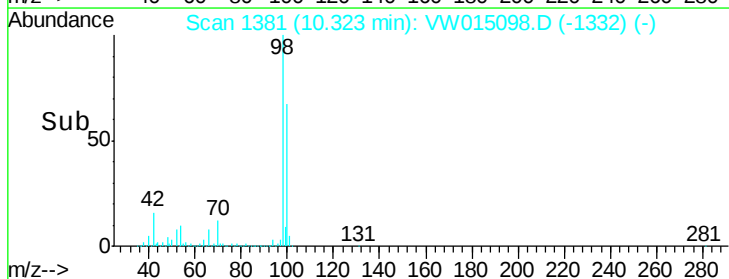
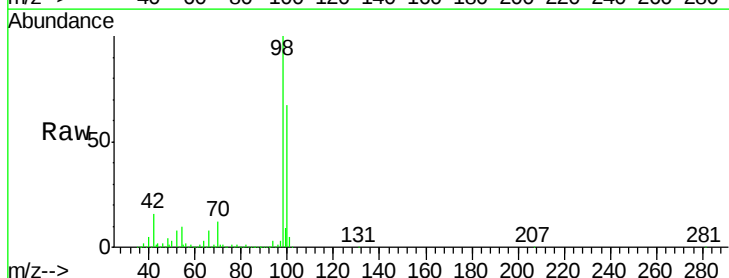
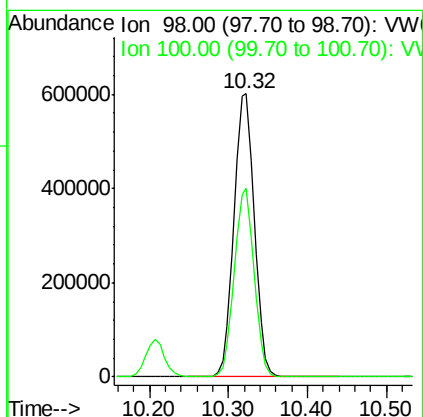
RT: 10.32 min Scan# 1381

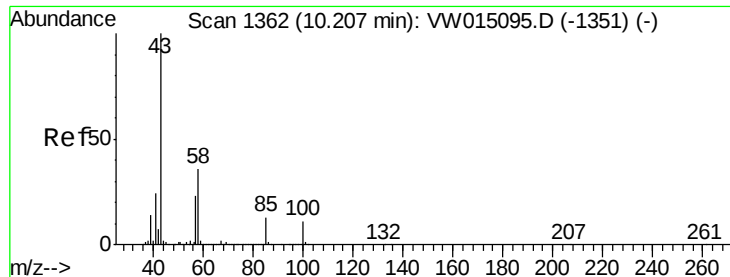
Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Tgt Ion:	98	Resp:	1086650
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 234.894 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion: 43 Resp: 1178886

Ion Ratio Lower Upper

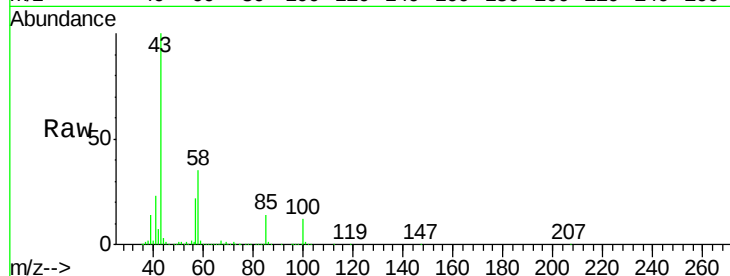
43 100

58 35.2 28.0 42.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

800000

600000

400000

200000

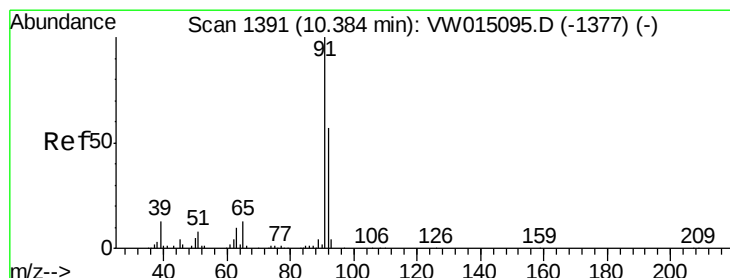
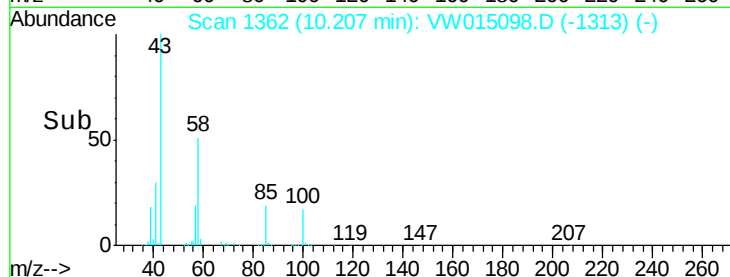
0

10.10

10.20

10.30

Time-->



#52

Toluene

Concen: 50.451 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015098.D

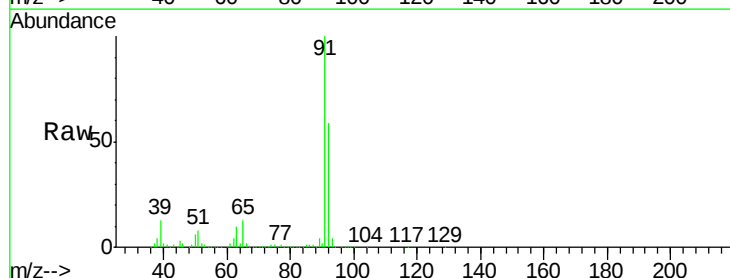
Acq: 09 Mar 2020 13:25

Tgt Ion: 92 Resp: 819068

Ion Ratio Lower Upper

92 100

91 171.9 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

800000

600000

400000

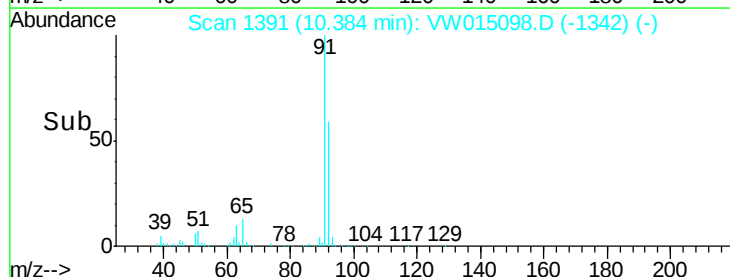
200000

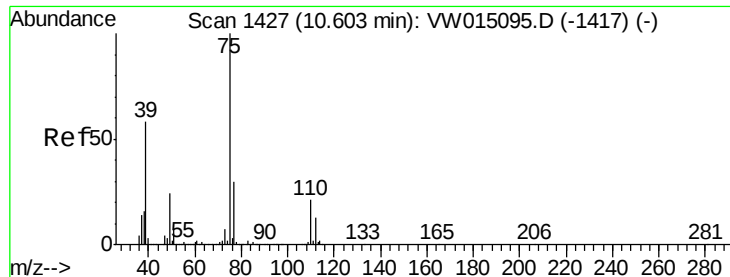
0

10.30

10.40

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.575 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion: 75 Resp: 439598

Ion Ratio Lower Upper

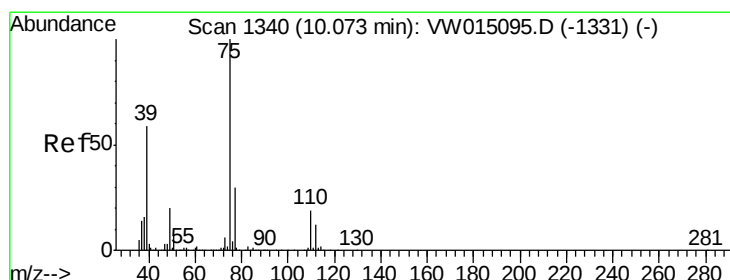
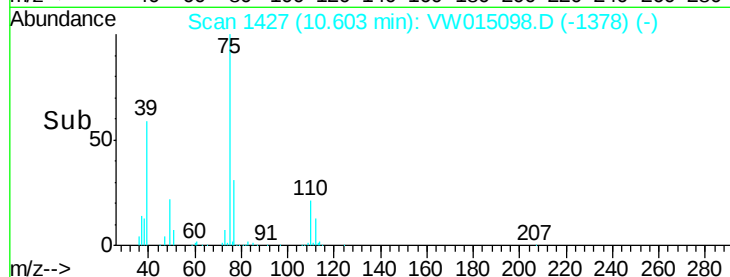
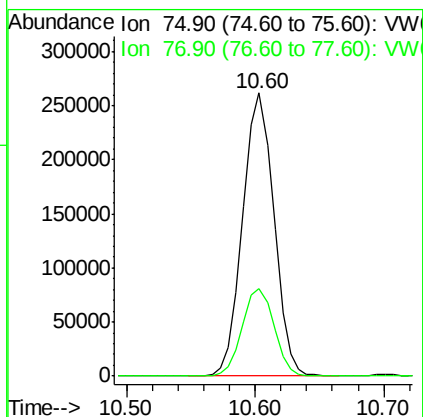
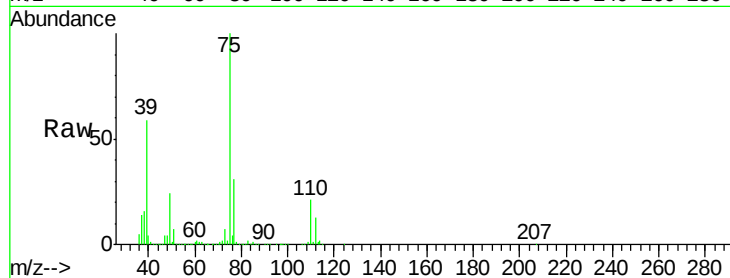
75 100

77 30.9 24.4 36.6

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 50.323 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

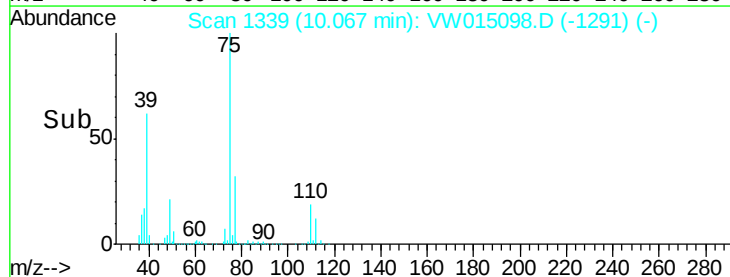
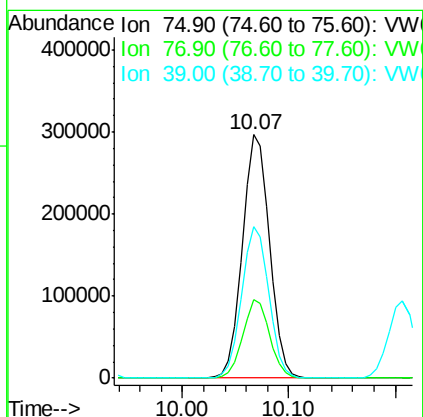
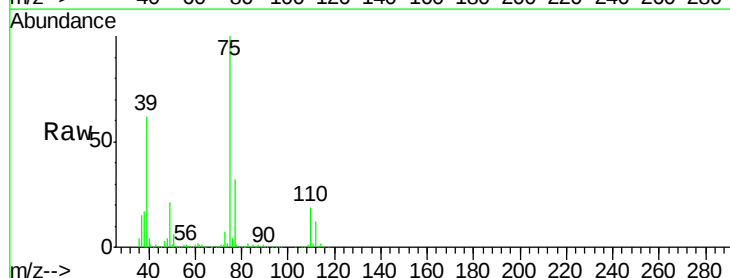
Tgt Ion: 75 Resp: 532840

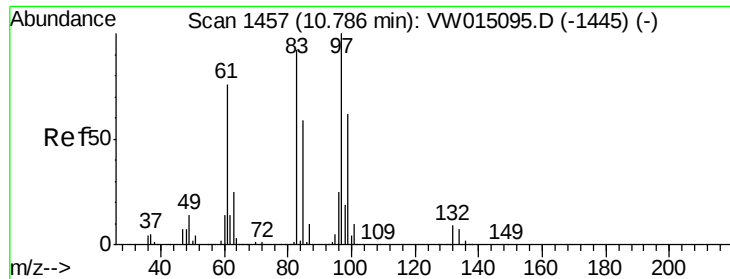
Ion Ratio Lower Upper

75 100

77 32.0 24.3 36.5

39 62.1 47.0 70.6





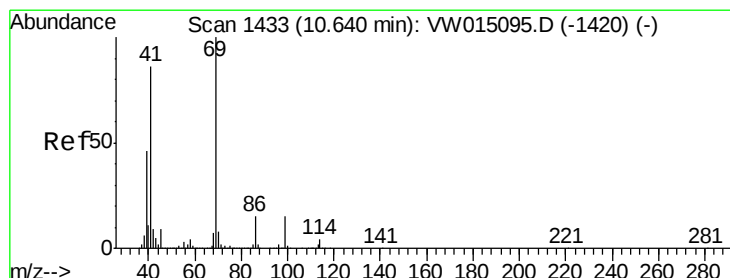
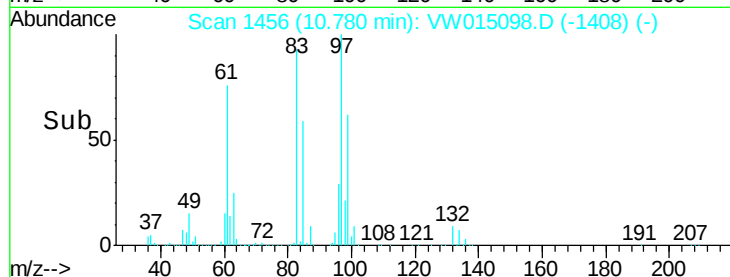
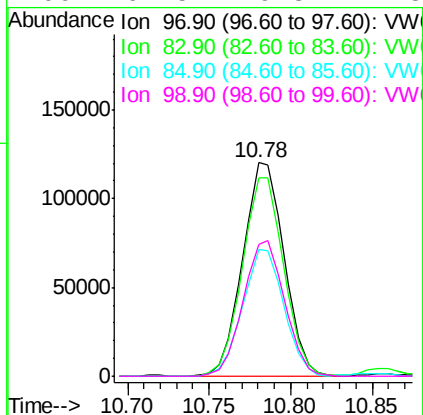
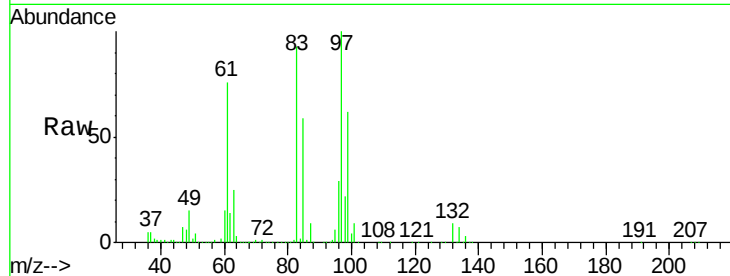
#55
 1,1,2-Trichloroethane
 Concen: 46.737 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030920

Tot Ion:	97	Resp:	211933
Ion	Ratio	Lower	Upper
97	100		
83	93.0	74.0	111.0
85	59.3	46.9	70.3
99	61.5	49.8	74.8

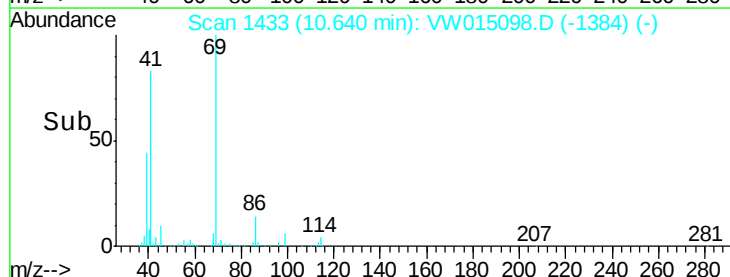
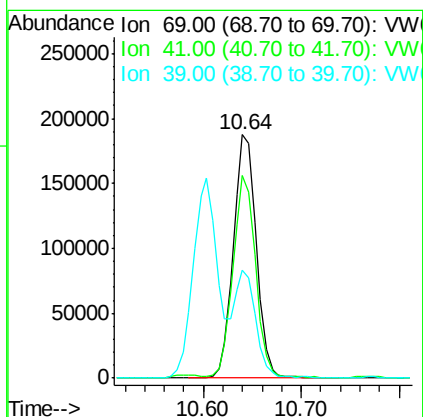
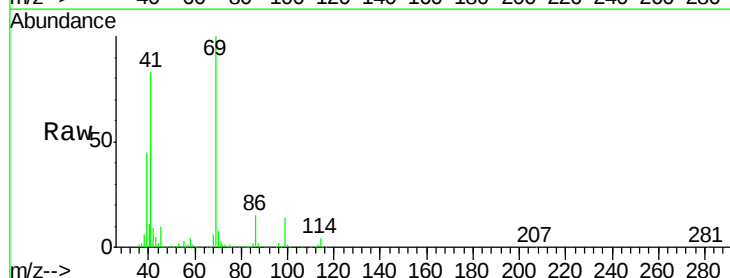
Manual Integrations
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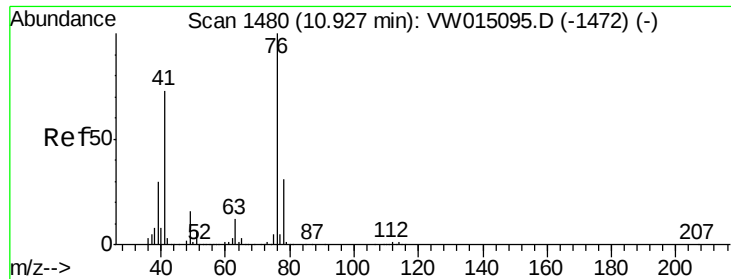
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#56
 Ethyl methacrylate
 Concen: 46.978 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Tgt Ion:	69	Resp:	306332
Ion	Ratio	Lower	Upper
69	100		
41	81.1	65.8	98.6
39	38.0	31.2	46.8





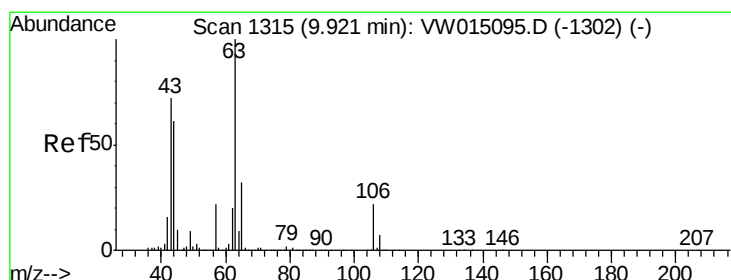
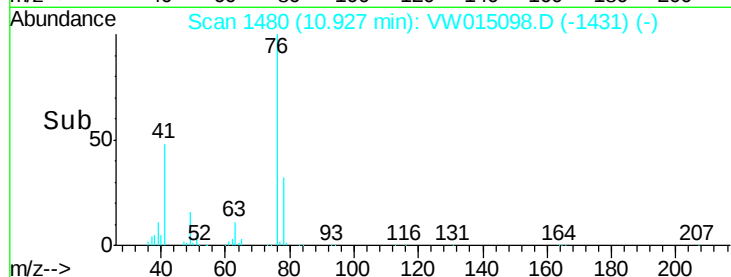
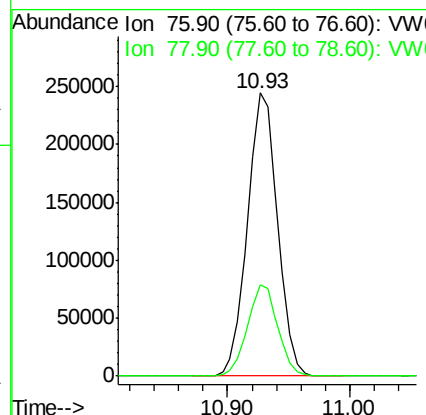
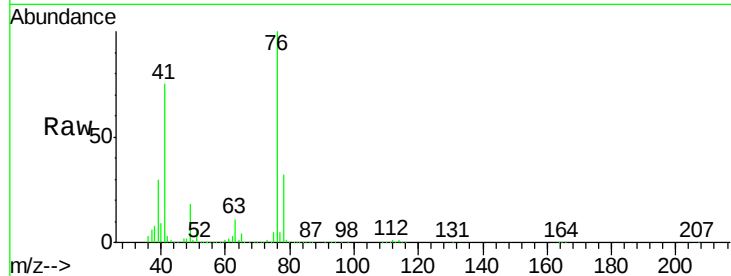
#57
 1,3-Dichloropropane
 Concen: 48.512 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030920

Tot Ion: 76 Resp: 418805
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.3 37.9

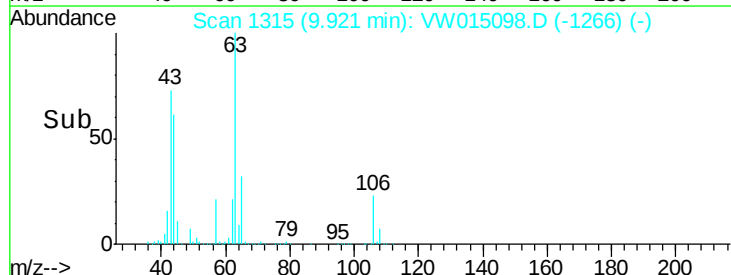
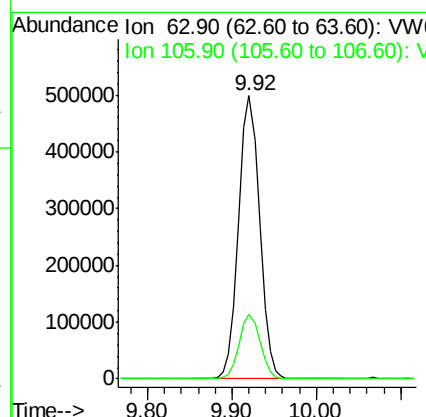
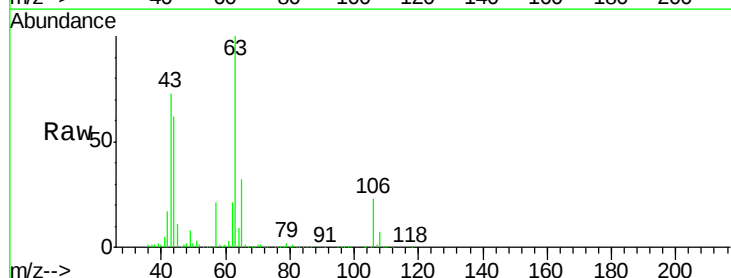
Manual Integrations
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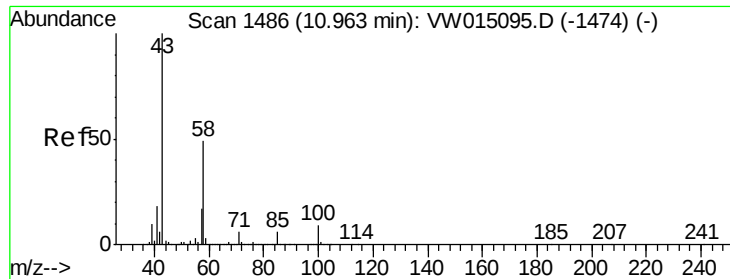
MMDadoda
 3/11/2020 3:24:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.278 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 63 Resp: 835193
 Ion Ratio Lower Upper
 63 100
 106 22.7 18.0 27.0





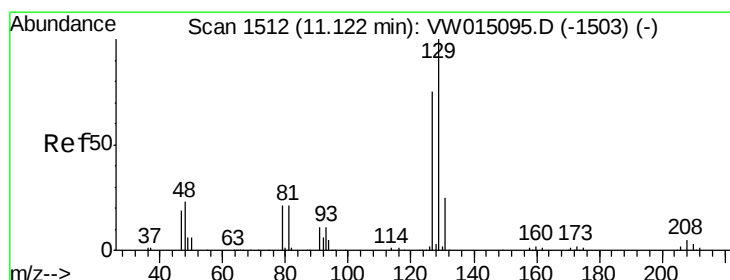
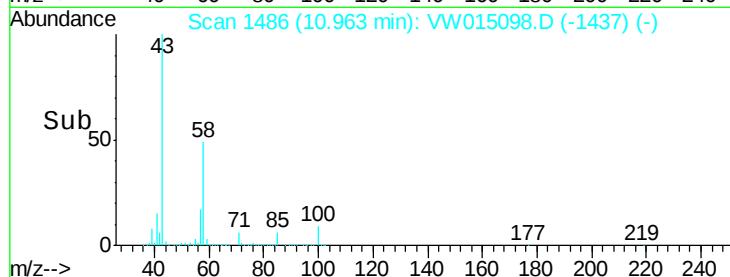
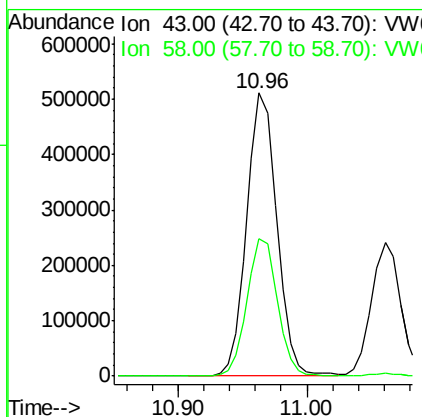
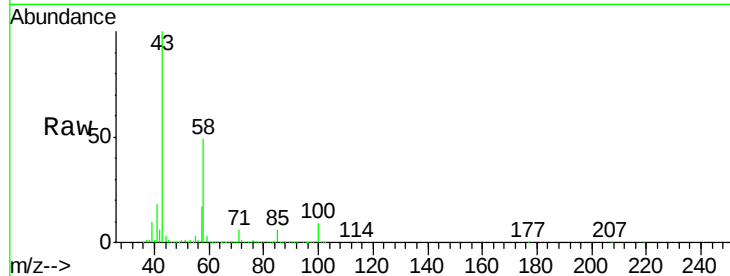
#59
2-Hexanone
Concen: 239.239 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion: 43 Resp: 825732
Ion Ratio Lower Upper
43 100
58 49.0 24.6 73.8

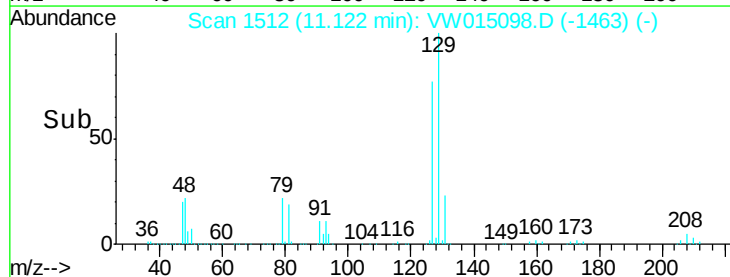
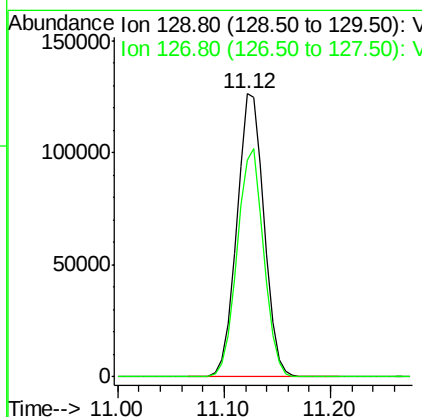
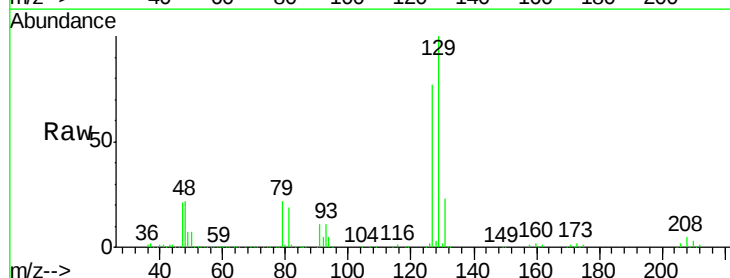
Manual Integrations
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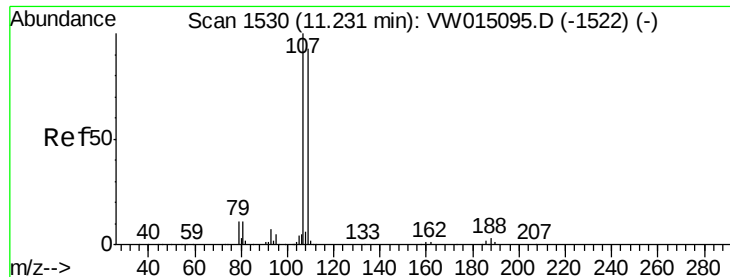
MMDadoda
3/11/2020 3:24:04 PM



#60
Dibromochloromethane
Concen: 48.337 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 129 Resp: 226378
Ion Ratio Lower Upper
129 100
127 78.9 38.7 116.1





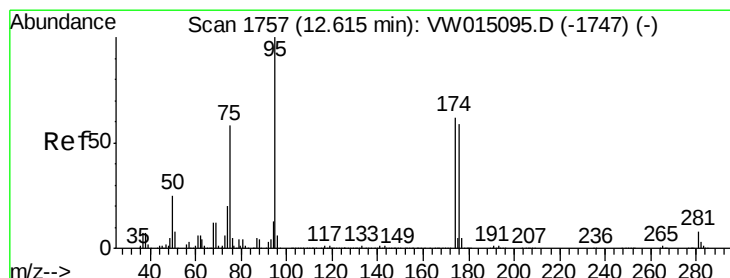
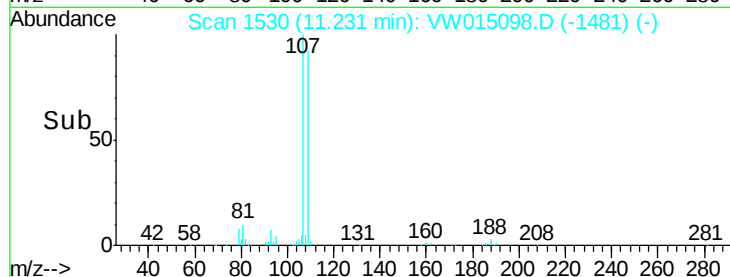
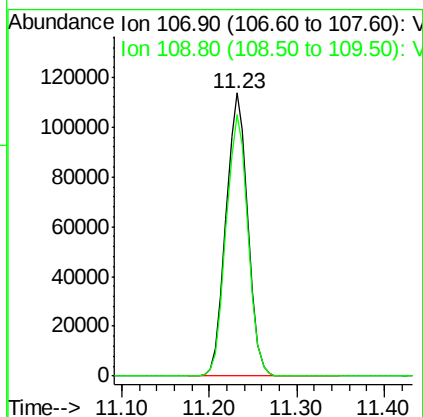
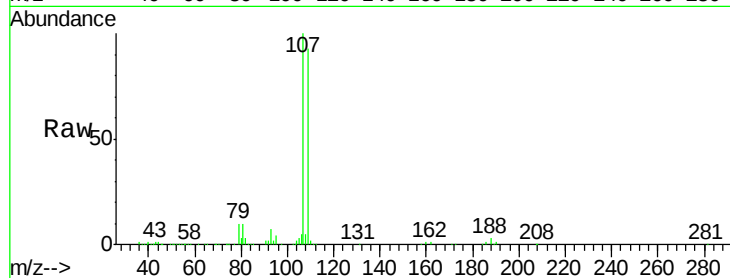
#61
 1,2-Dibromoethane
 Concen: 48.915 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030920

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.3	112.9

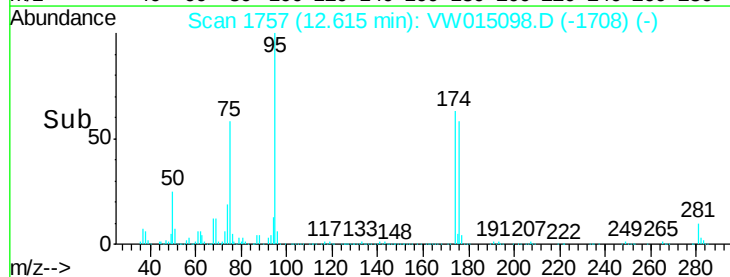
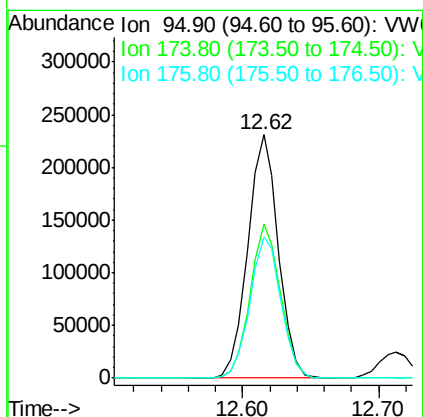
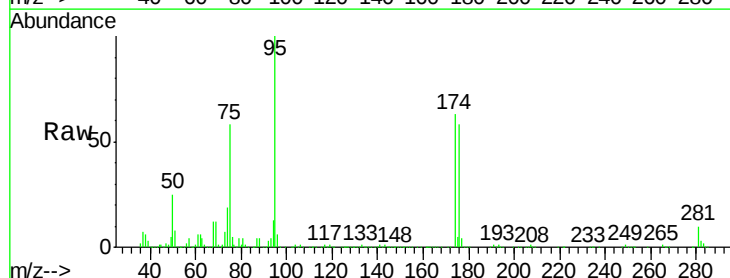
Manual Integrations
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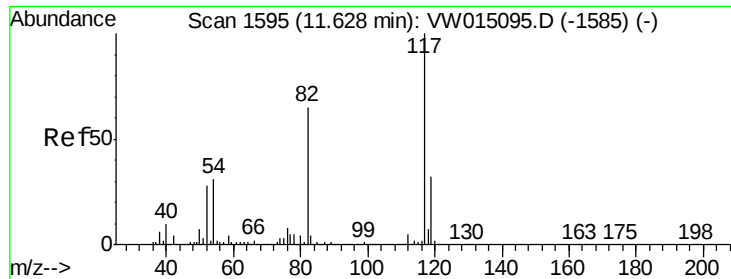
MMDadoda
 3/11/2020 3:24:04 PM



#62
 4-Bromofluorobenzene
 Concen: 49.582 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.2	0.0	126.8
176	59.1	0.0	121.6





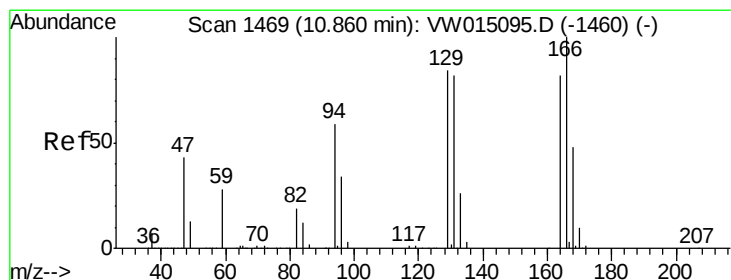
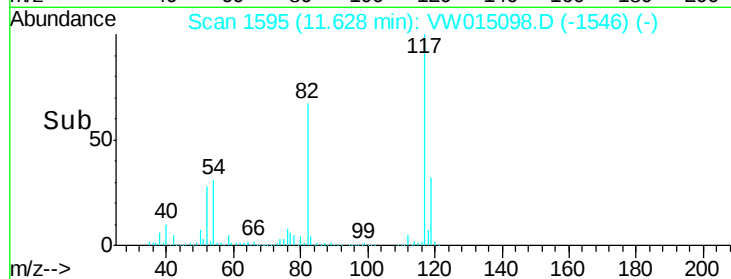
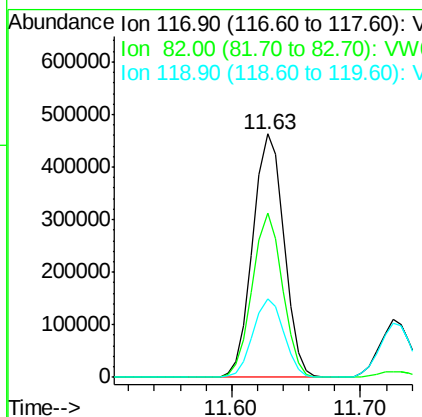
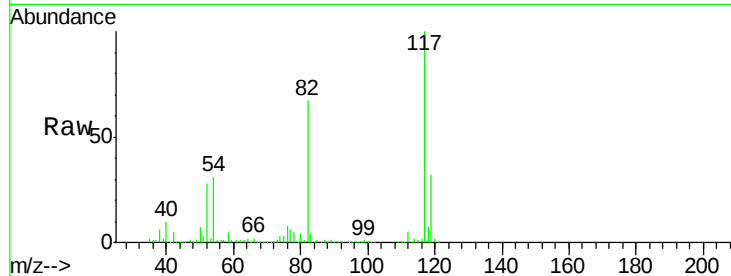
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.4	52.2	78.2
119	32.3	25.4	38.0

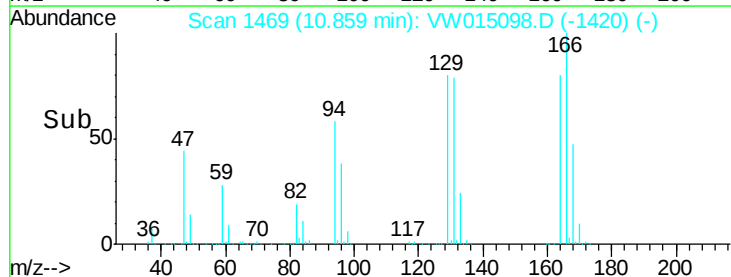
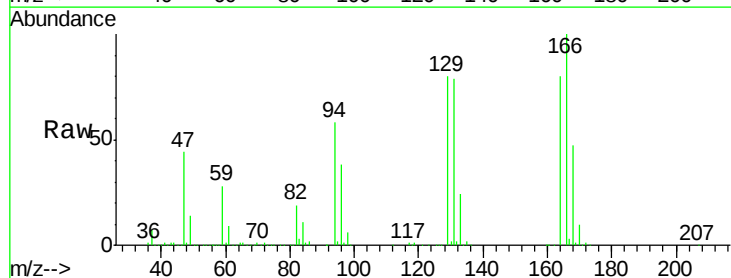
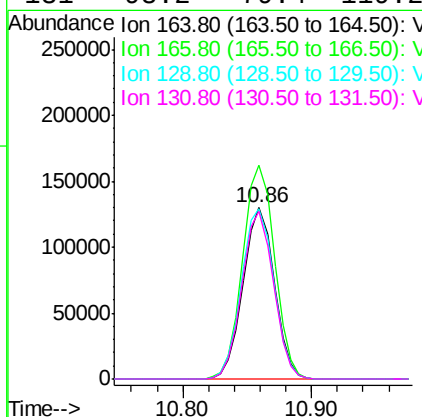
Manual Integrations
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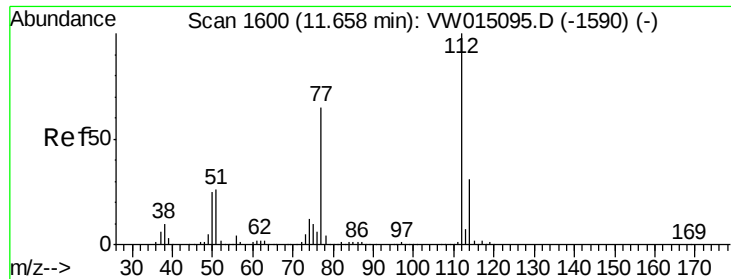
MMDadoda
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#64
Tetrachloroethene
Concen: 48.821 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	97.0	145.6
129	99.9	81.2	121.8
131	98.2	79.4	119.2





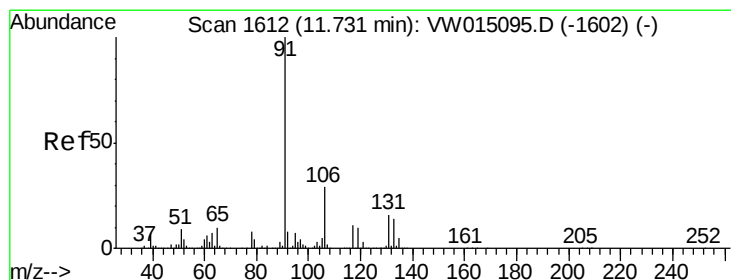
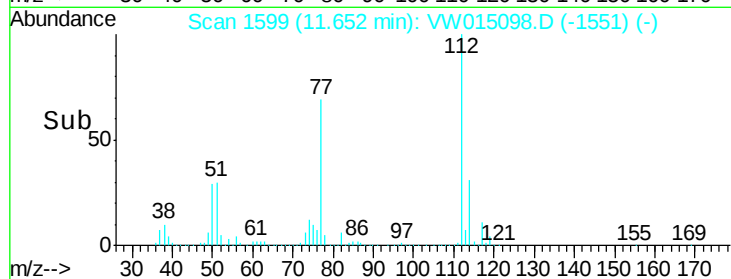
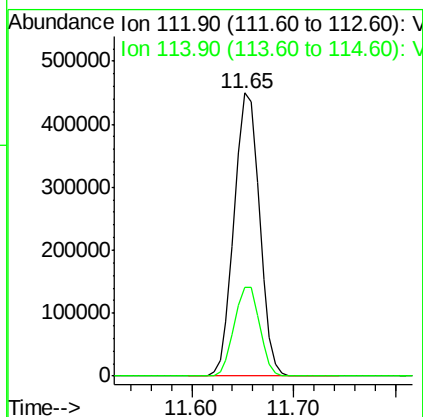
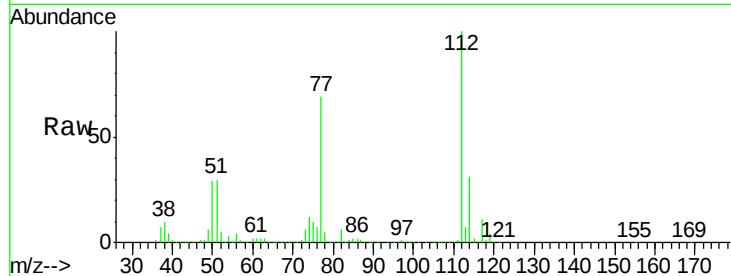
#65
Chlorobenzene
Concen: 49.594 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion:112 Resp: 773394
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.6

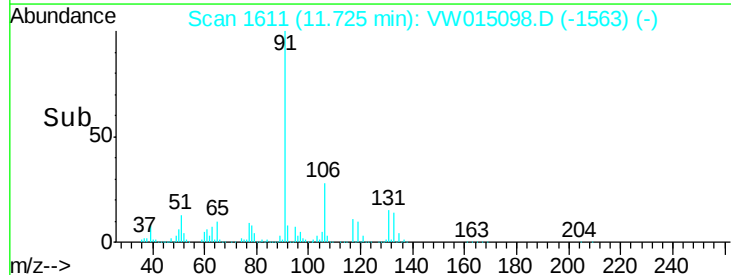
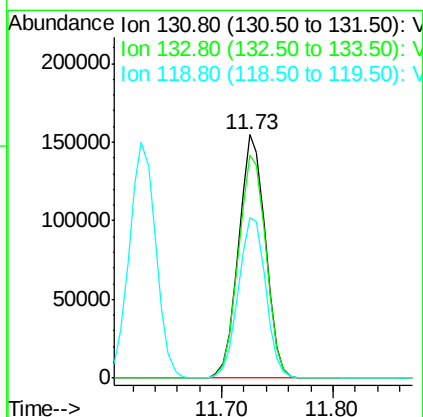
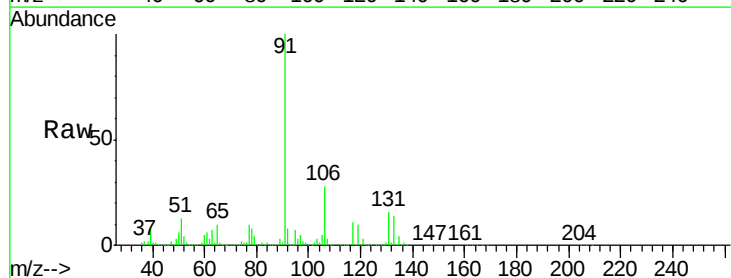
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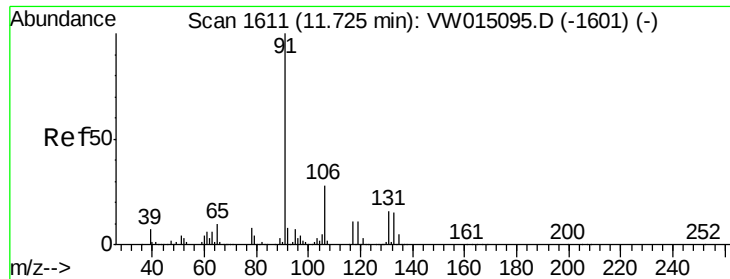
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.586 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion:131 Resp: 257502
Ion Ratio Lower Upper
131 100
133 94.3 47.3 141.8
119 67.3 34.0 101.8





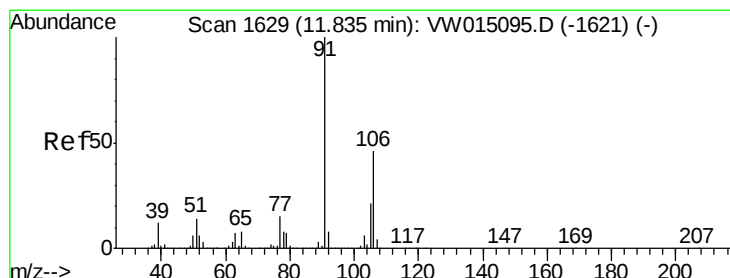
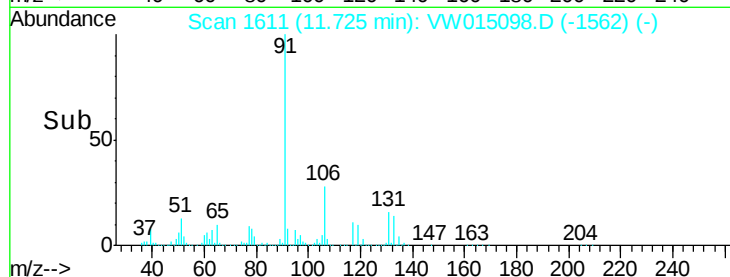
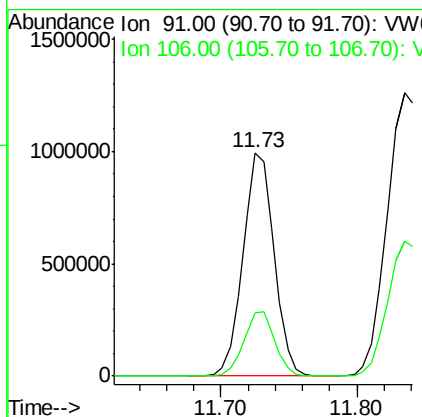
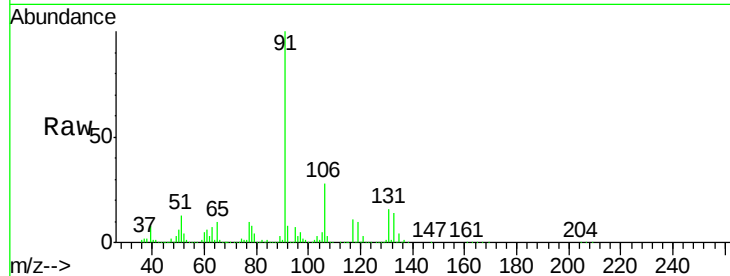
#67
Ethyl Benzene
Concen: 52.359 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion: 91 Resp: 1588897
Ion Ratio Lower Upper
91 100
106 28.5 22.8 34.2

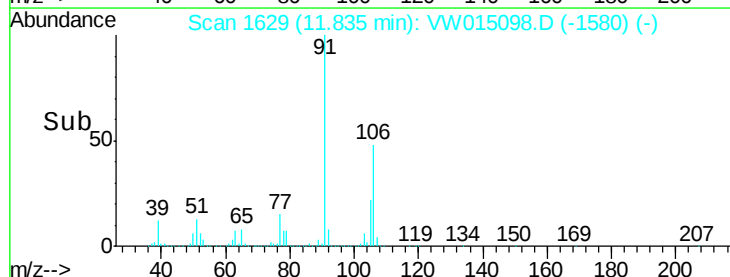
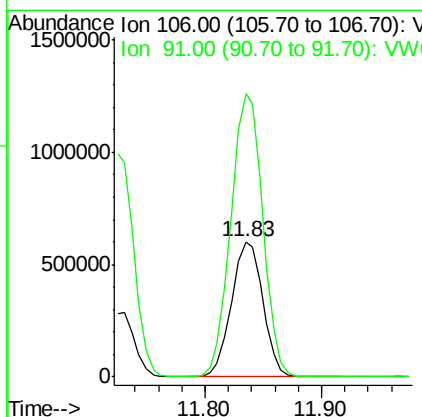
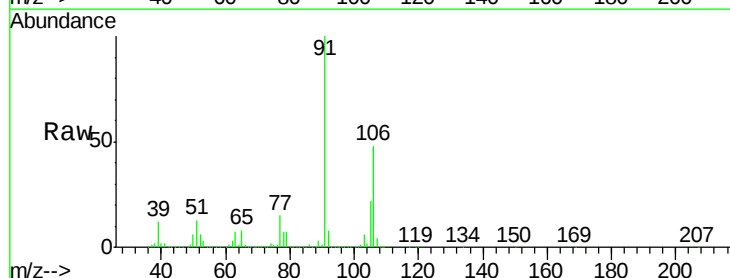
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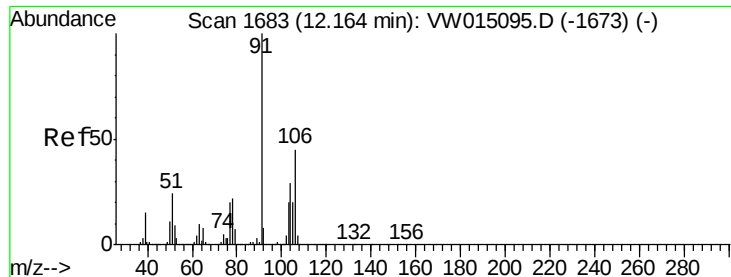
MMDadoda
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#68
m/p-Xylenes
Concen: 105.375 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 106 Resp: 1130448
Ion Ratio Lower Upper
106 100
91 212.6 172.3 258.5





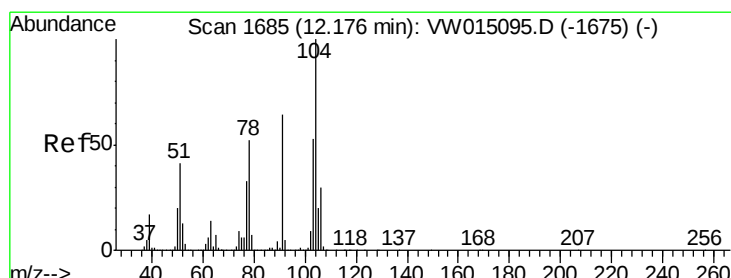
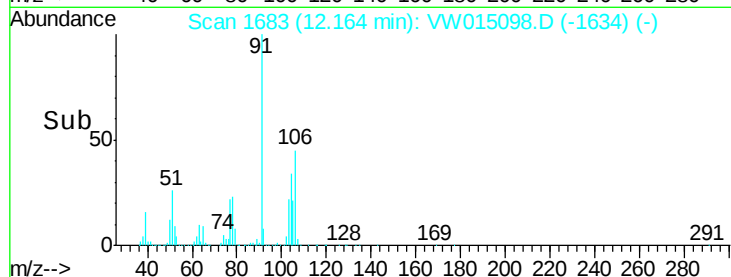
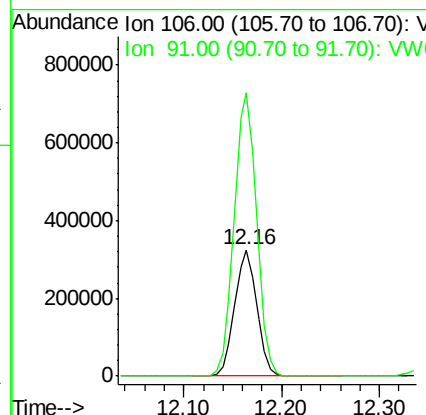
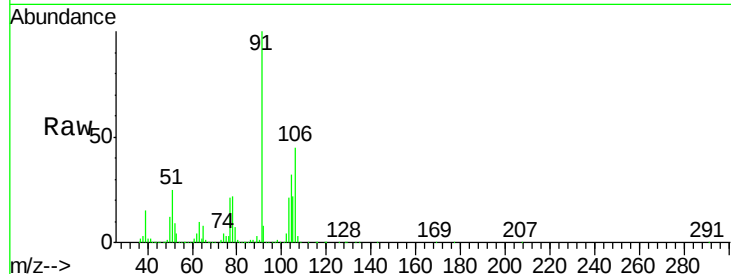
#69
o-Xylene
Concen: 52.834 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	510576		
91	91	227.3		112.6	337.8

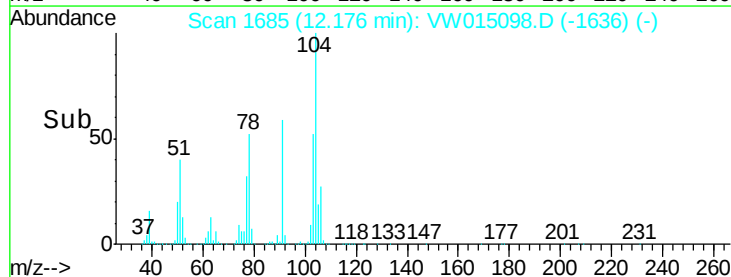
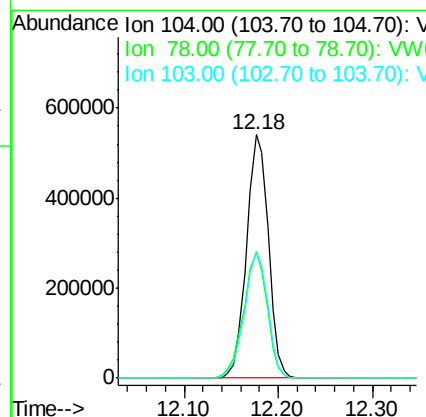
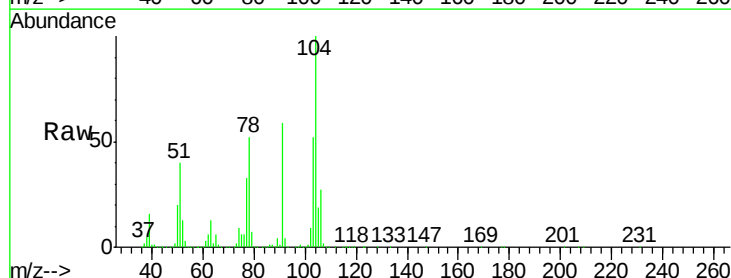
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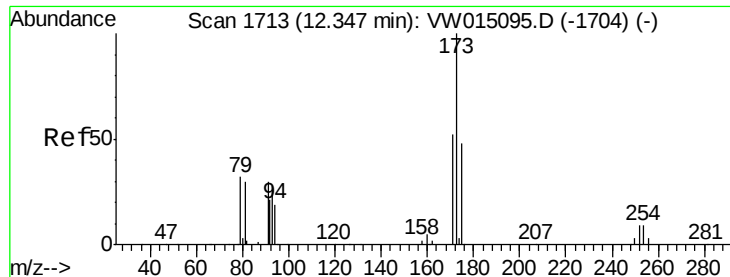
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#70
Styrene
Concen: 52.996 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	877537		
78	78	55.7		44.7	67.1
103	103	55.4		44.7	67.1





#71

Bromoform

Concen: 48.511 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion:173 Resp: 111798

Ion Ratio Lower Upper

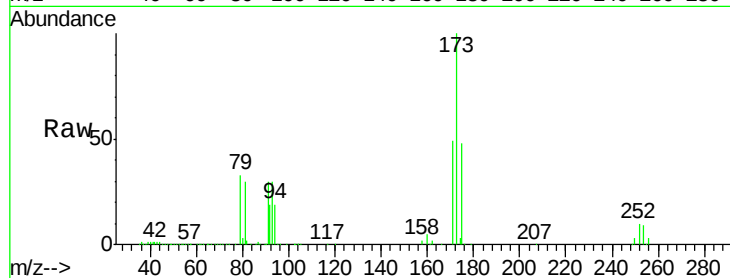
173 100

175 48.7 23.8 71.4

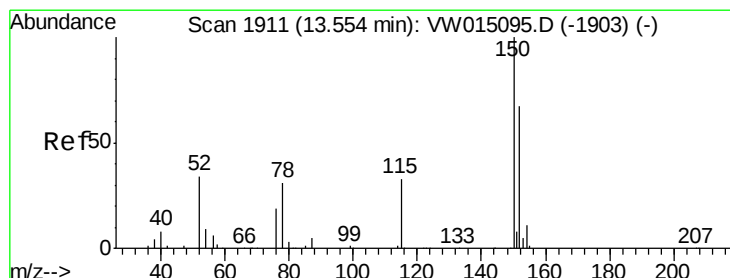
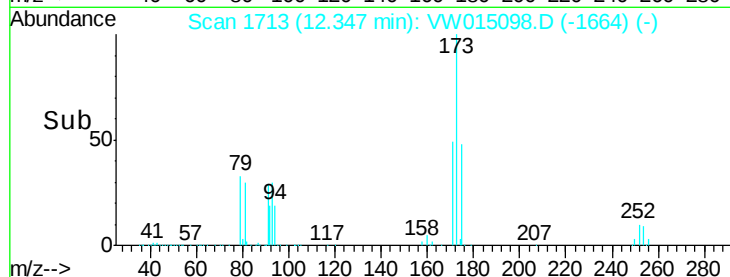
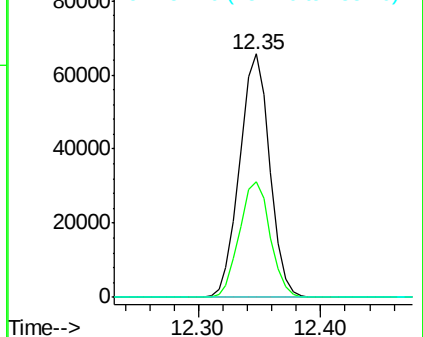
254 0.2 0.1 0.1#

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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: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

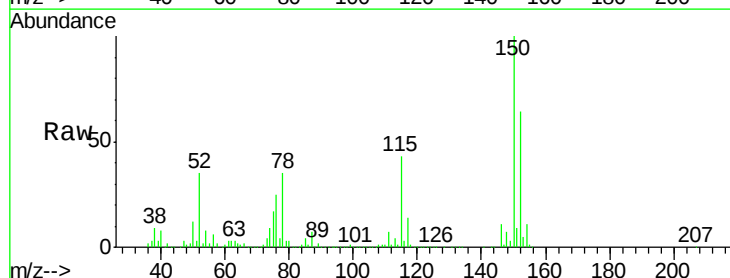
Tgt Ion:152 Resp: 347962

Ion Ratio Lower Upper

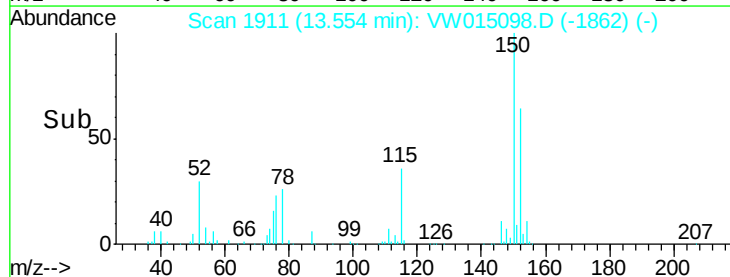
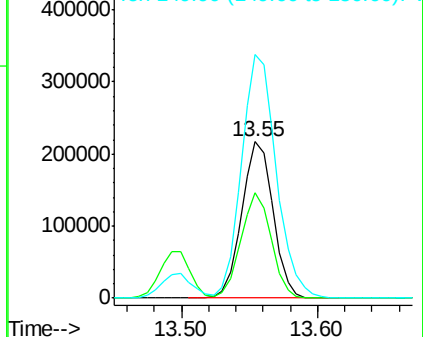
152 100

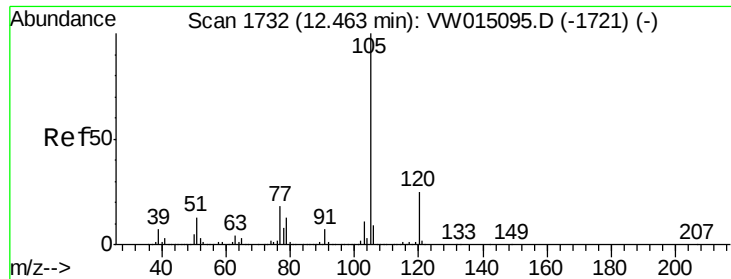
115 65.4 33.3 99.9

150 172.9 0.0 351.2



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





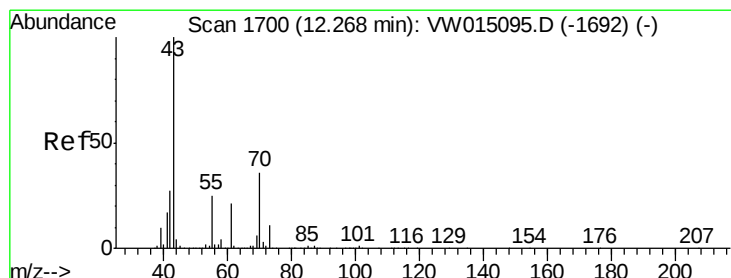
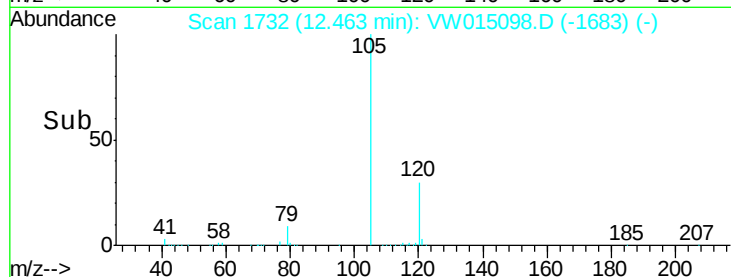
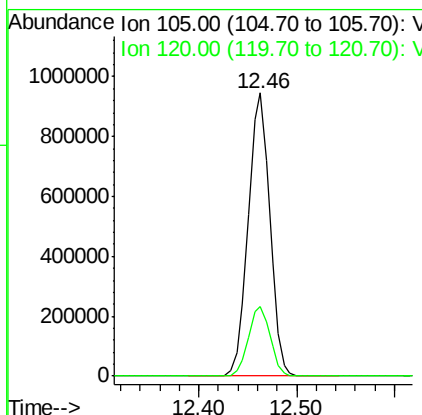
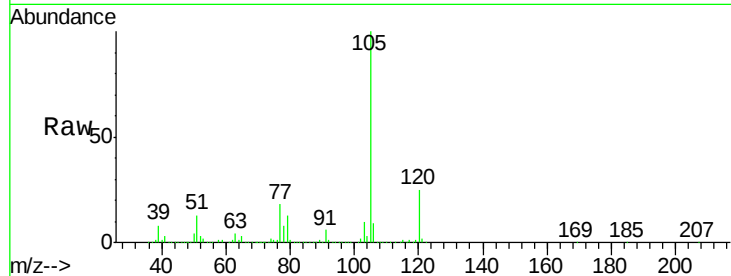
#73
Isopropylbenzene
Concen: 54.676 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion:105 Resp: 1453305
Ion Ratio Lower Upper
105 100
120 24.8 12.6 37.8

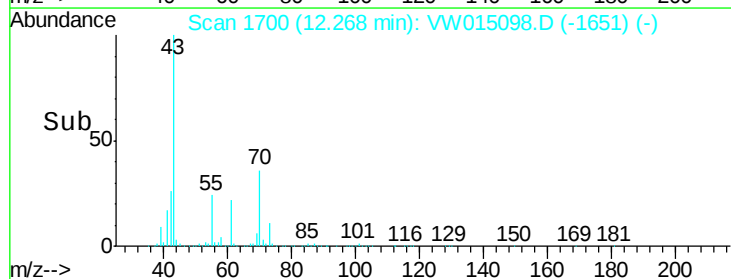
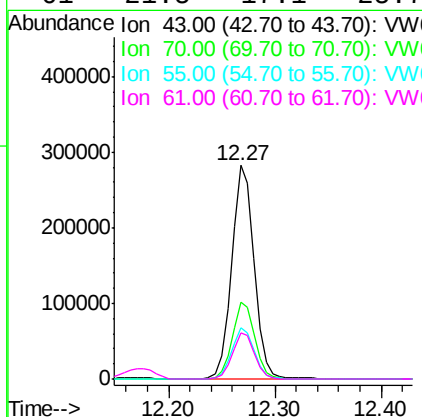
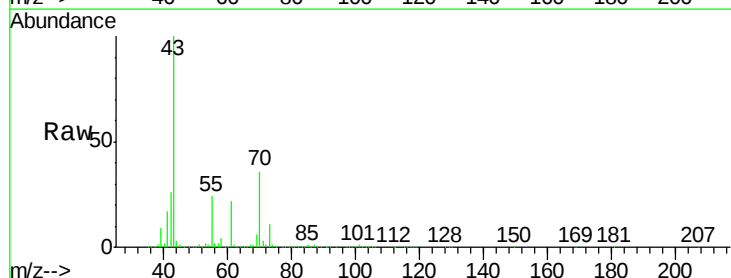
Manual Integrations
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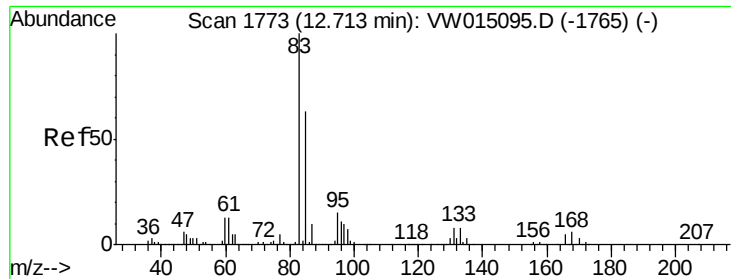
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#74
N-ethyl acetate
Concen: 47.383 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 43 Resp: 415957
Ion Ratio Lower Upper
43 100
70 36.1 29.4 44.2
55 24.0 20.3 30.5
61 21.5 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.123 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

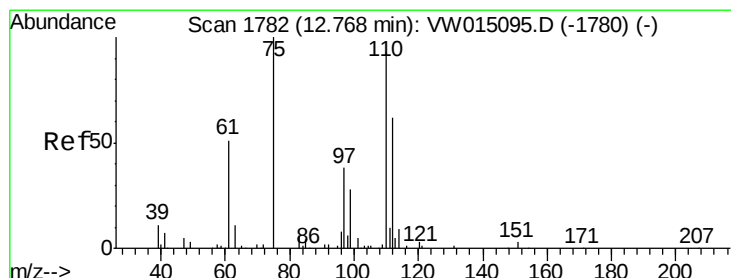
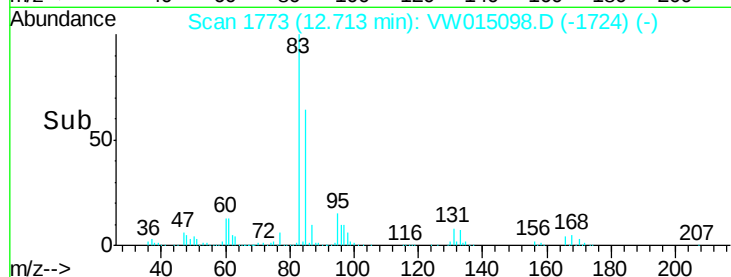
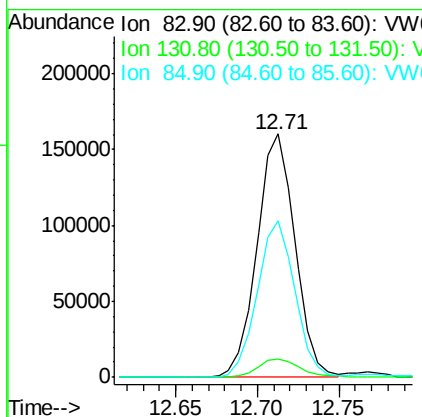
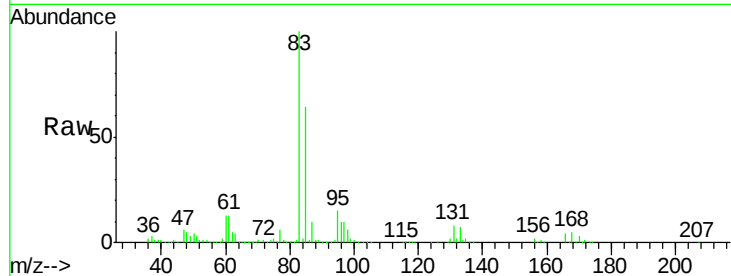
ClientSampleId :

ICVW030920

Tot Ion:	83	Resp:	259742
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.3	13.1
85	63.7	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.056 ug/l m

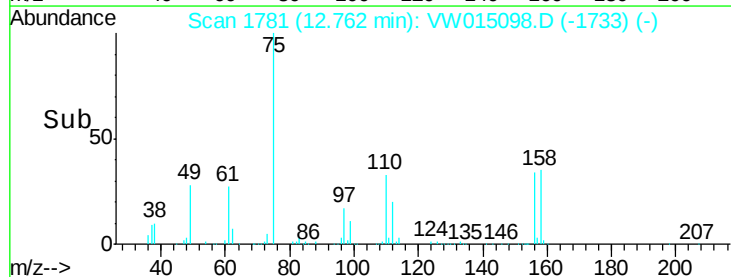
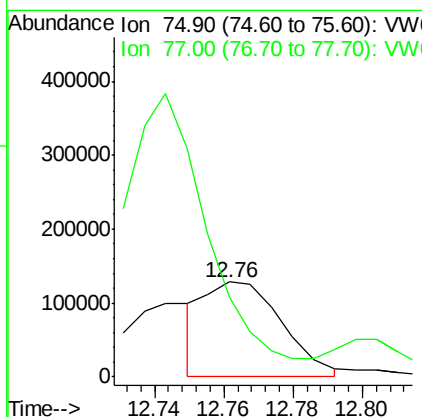
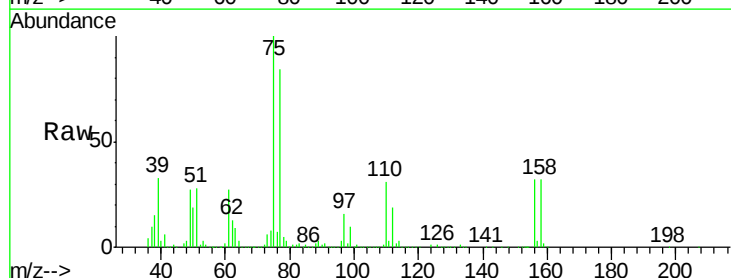
RT: 12.76 min Scan# 1781

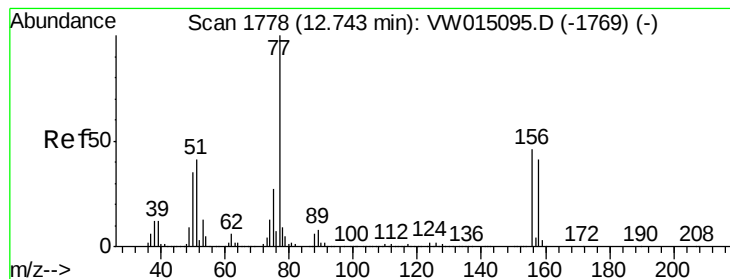
Delta R.T. -0.01 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Tgt Ion:	75	Resp:	200785
Ion Ratio	Lower	Upper	
75	100		
77	340.3	0.0	0.0#





#77

Bromobenzene

Concen: 51.352 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

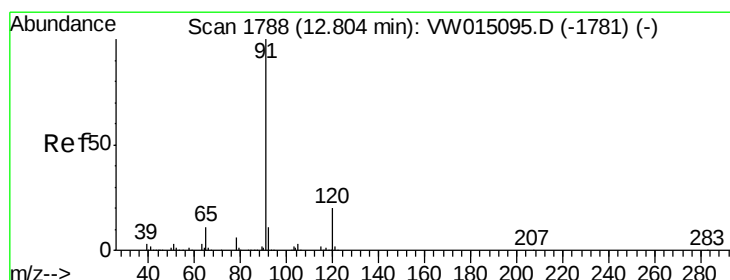
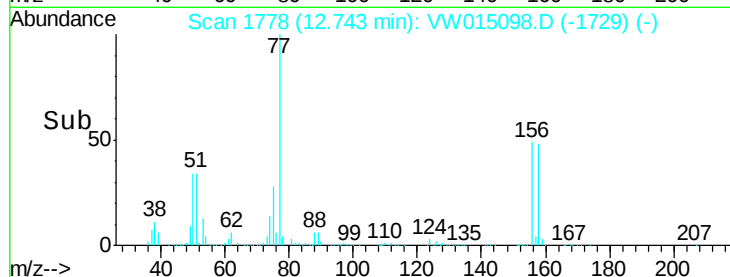
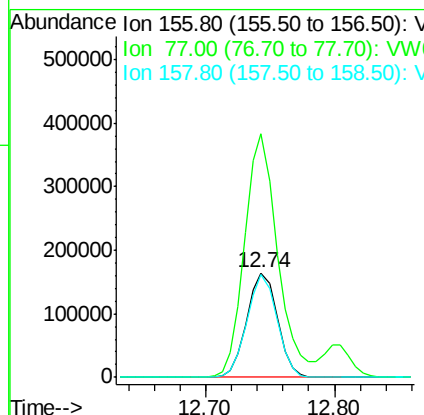
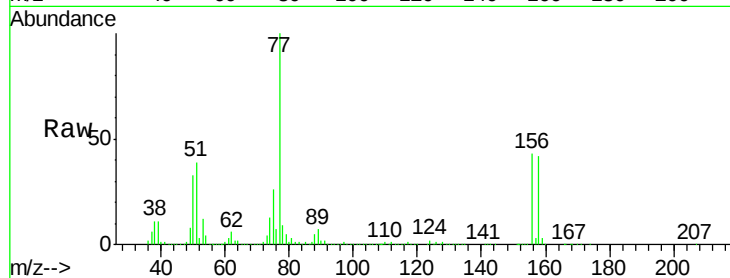
ClientSampleId :

ICVW030920

Tot Ion	Ratio	Lower	Upper
156	100		
77	253.3	126.6	379.8
158	96.1	47.4	142.2

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#78

n-propylbenzene

Concen: 54.527 ug/l

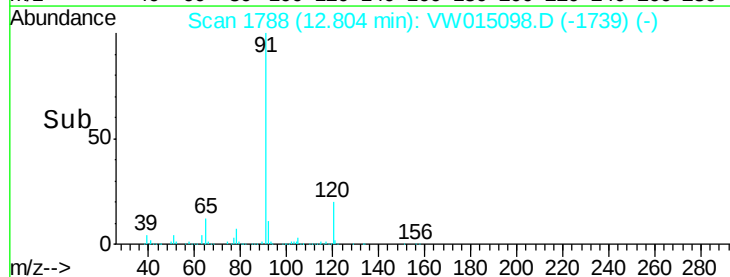
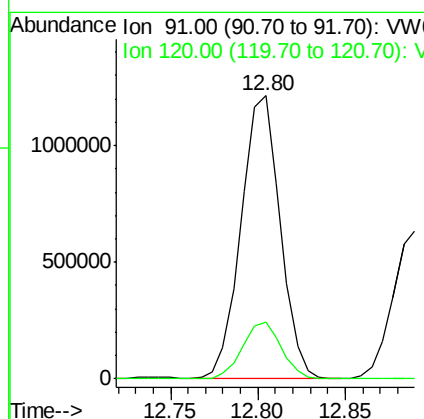
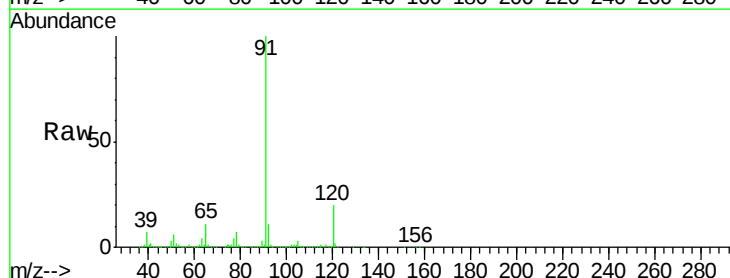
RT: 12.80 min Scan# 1788

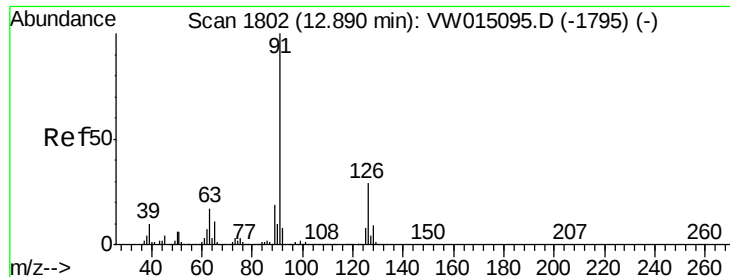
Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.2	30.4





#79

2-Chlorotoluene

Concen: 52.938 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

ICVW030920

Tot Ion: 91 Resp: 1028140

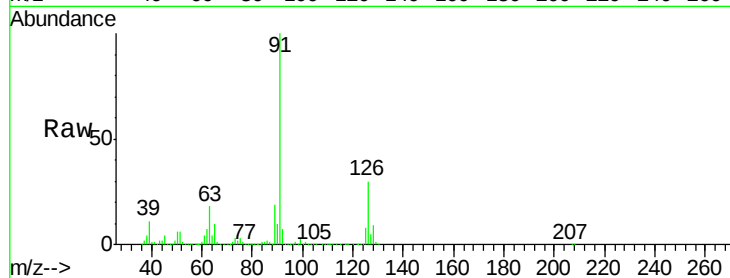
Ion Ratio Lower Upper

91 100

126 29.3 14.5 43.6

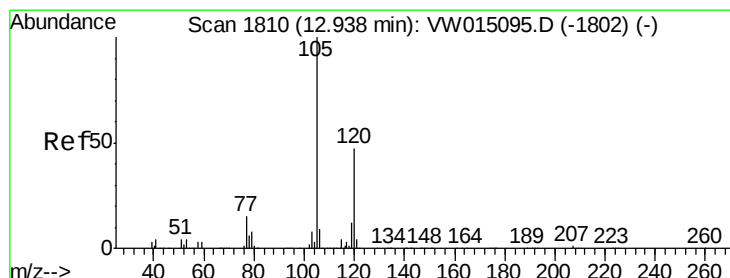
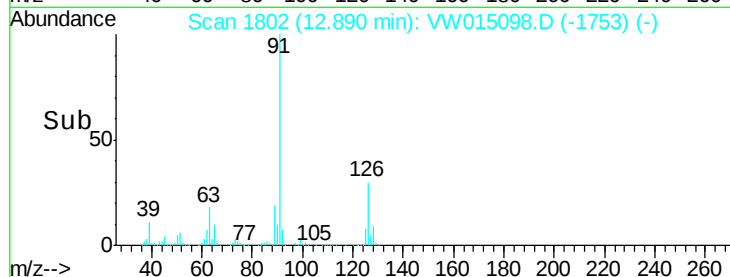
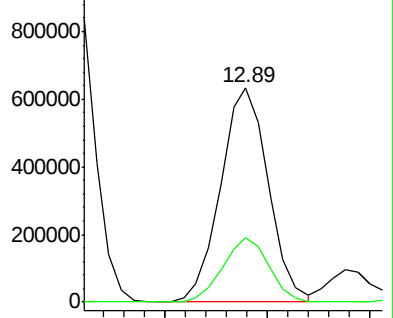
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.281 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW015098.D

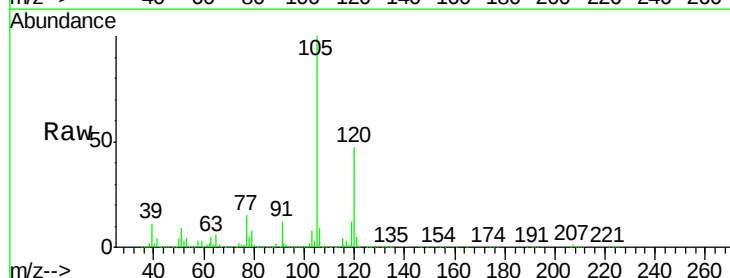
Acq: 09 Mar 2020 13:25

Tgt Ion:105 Resp: 1217699

Ion Ratio Lower Upper

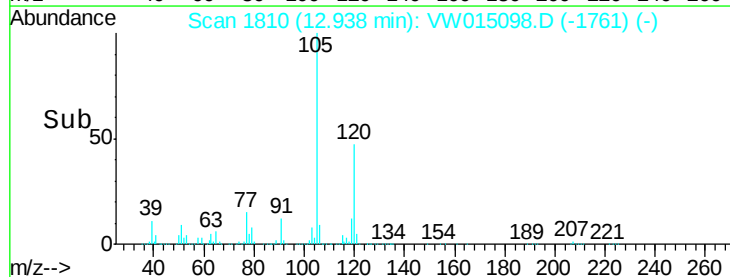
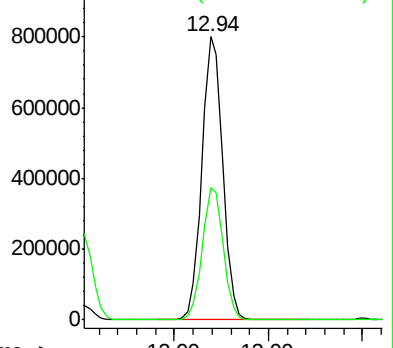
105 100

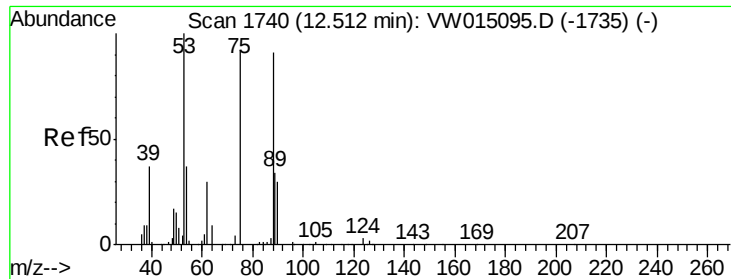
120 47.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





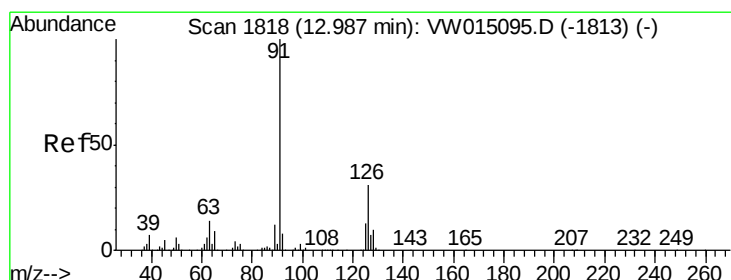
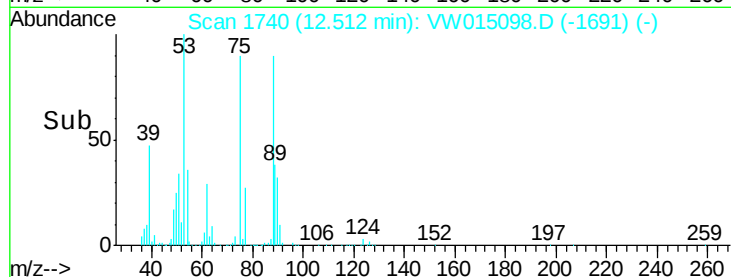
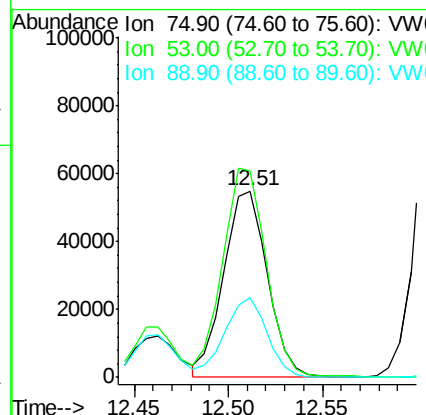
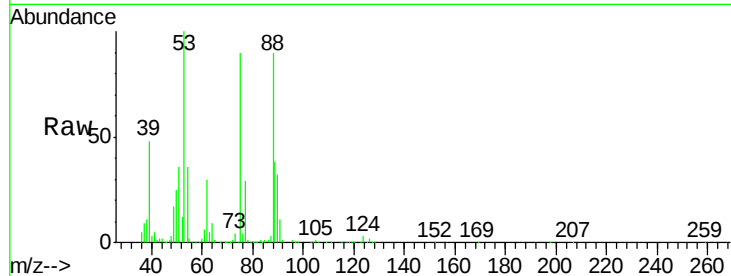
#81
trans-1,4-Dichloro-2-butene
Concen: 50.142 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.9	88.4	132.6
89	41.8	33.1	49.7

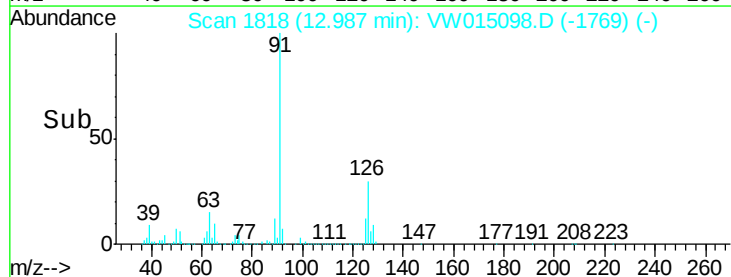
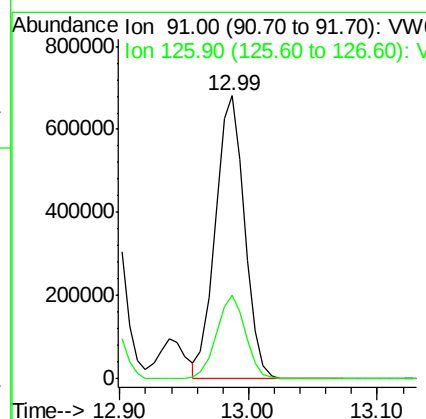
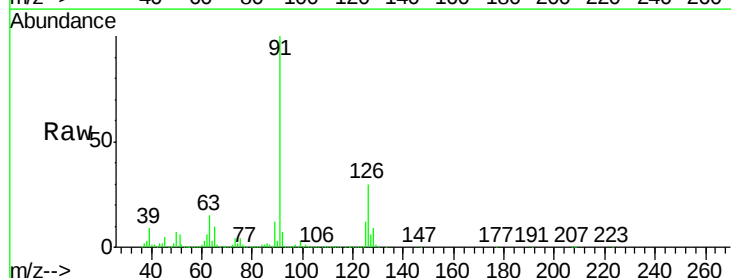
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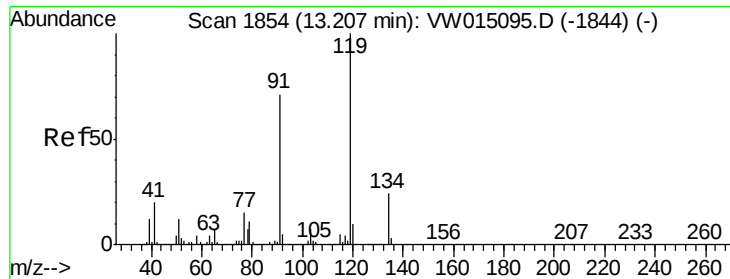
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#82
4-Chlorotoluene
Concen: 52.127 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.8	44.4





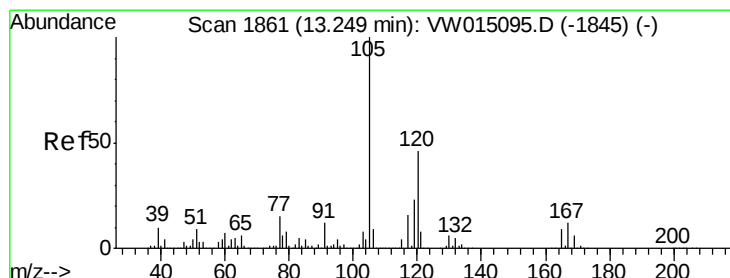
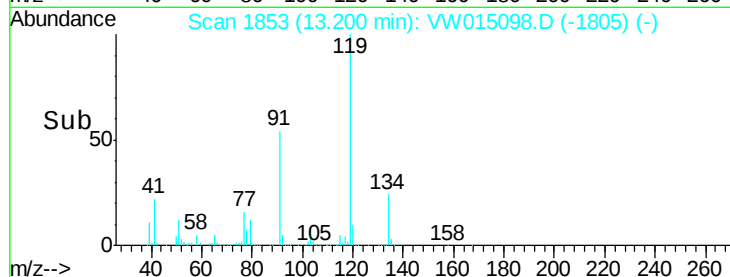
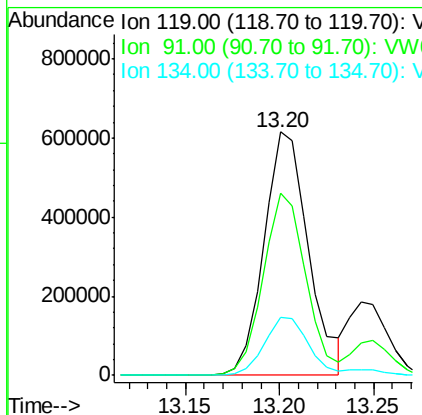
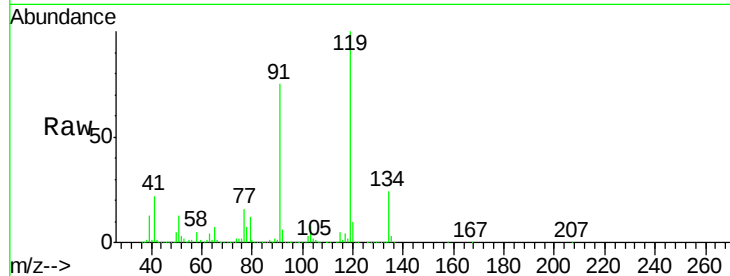
#83
tert-Butylbenzene
Concen: 54.451 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion:119 Resp: 1008141
Ion Ratio Lower Upper
119 100
91 71.7 35.7 107.1
134 25.4 12.7 38.1

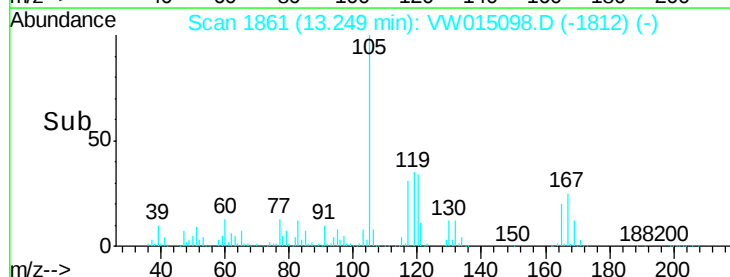
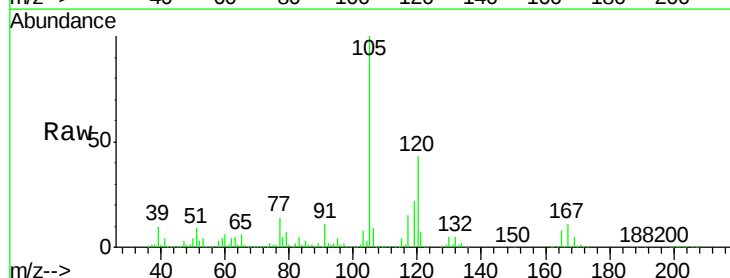
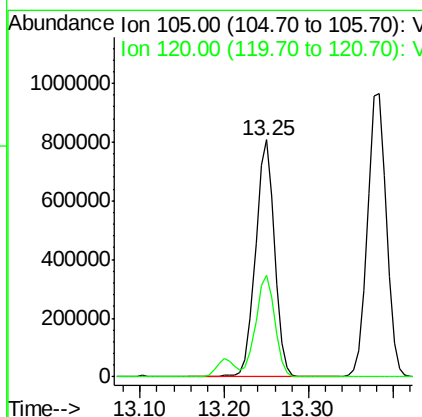
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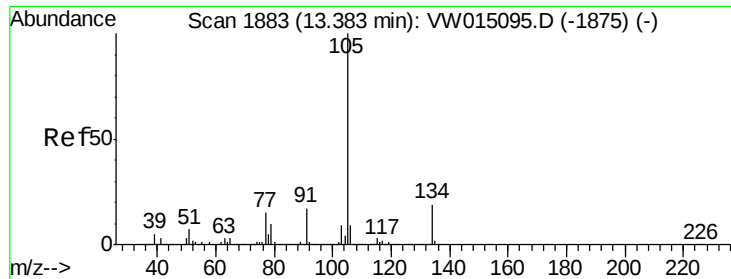
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#84
1,2,4-Trimethylbenzene
Concen: 53.927 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion:105 Resp: 1232319
Ion Ratio Lower Upper
105 100
120 43.2 22.1 66.3





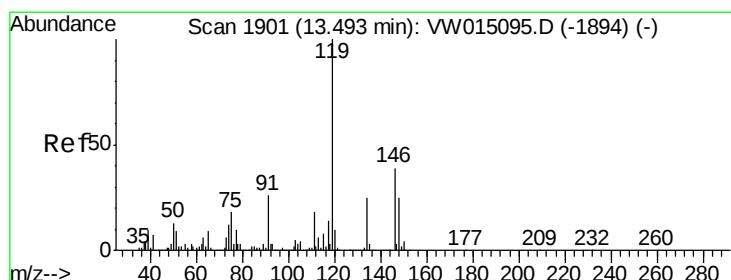
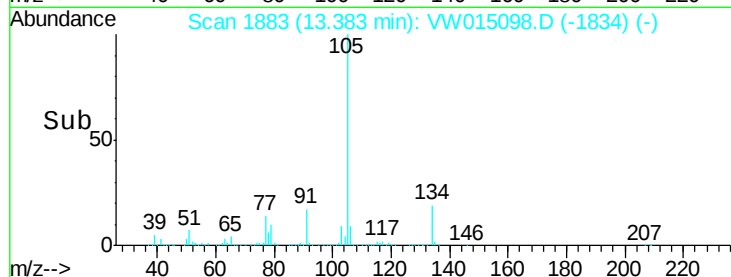
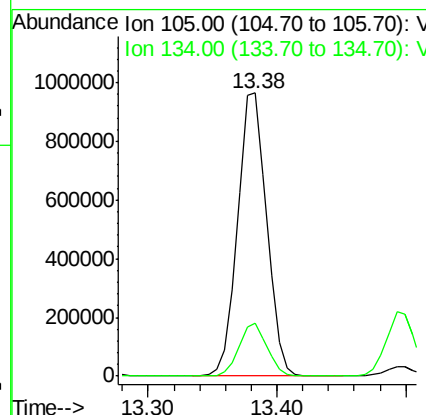
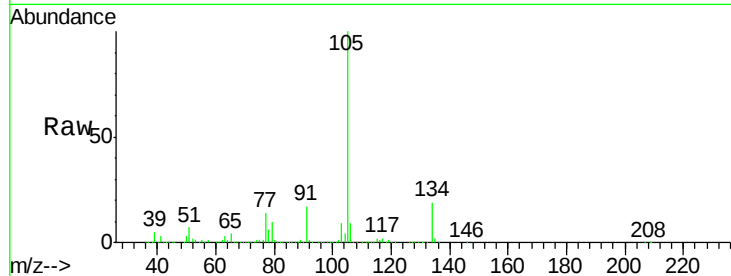
#85
 sec-Butylbenzene
 Concen: 53.921 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030920

Tot Ion:105 Resp: 1510895
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.0 27.1

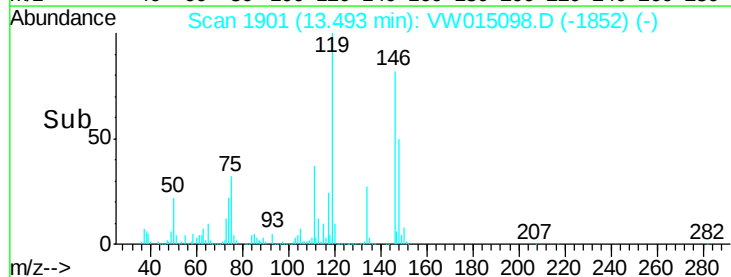
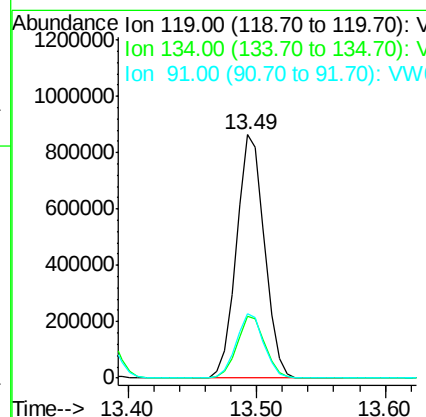
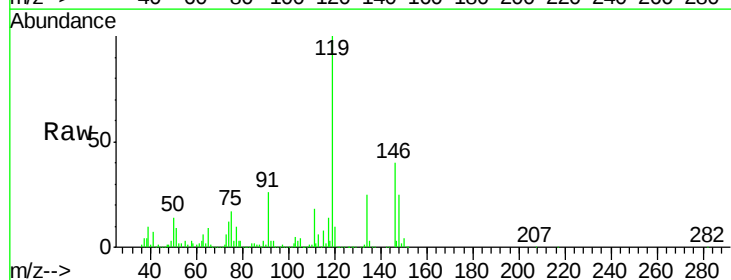
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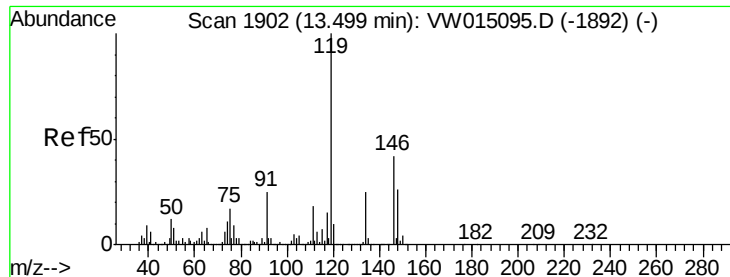
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#86
 p-Isopropyltoluene
 Concen: 54.039 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Tgt Ion:119 Resp: 1301539
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.6 37.8
 91 26.1 12.9 38.6





#87

1,3-Dichlorobenzene

Concen: 50.601 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015098.D

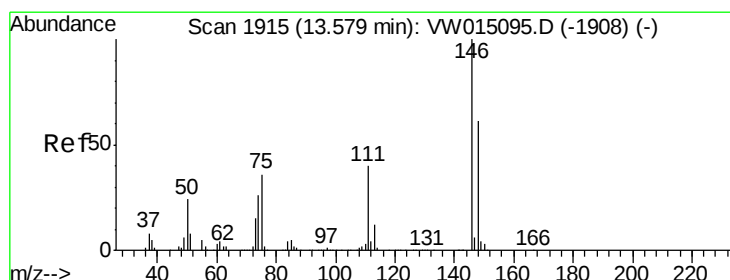
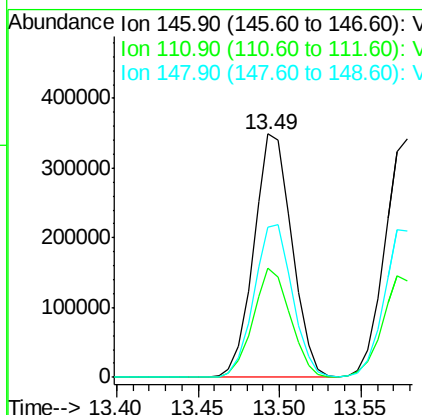
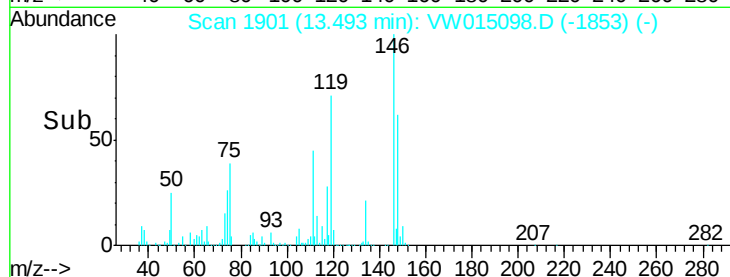
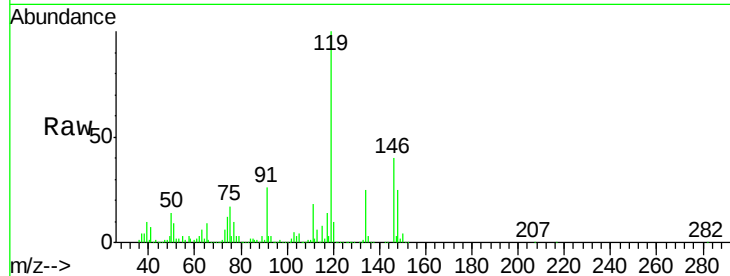
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.5	67.5
148	63.3	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.500 ug/l

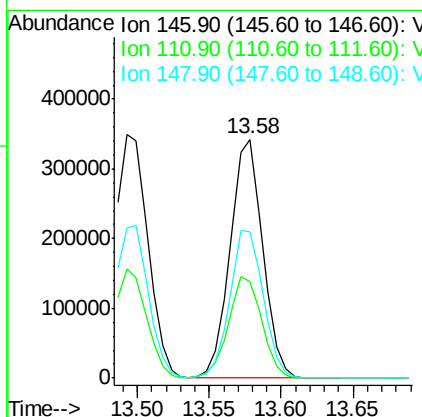
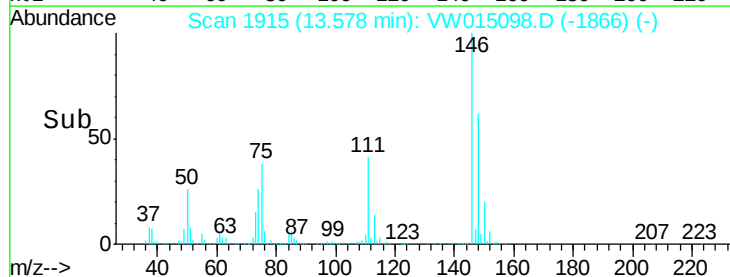
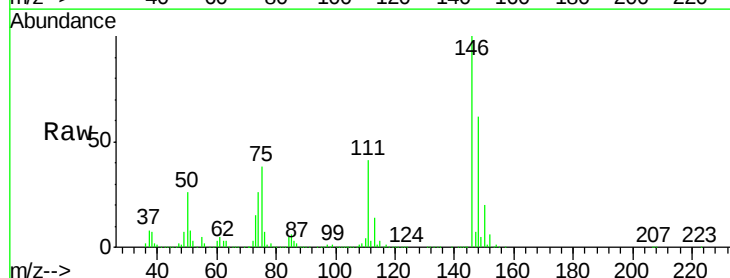
RT: 13.58 min Scan# 1915

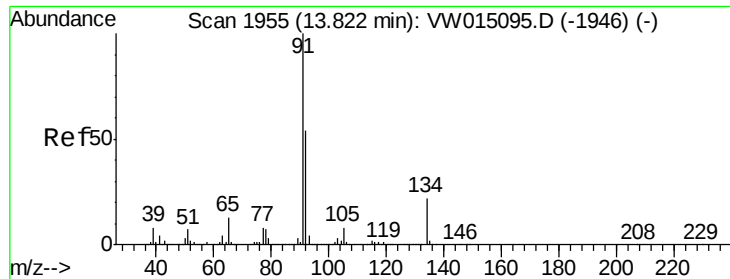
Delta R.T. -0.00 min

Lab File: VW015098.D

Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.3	63.9
148	63.5	31.6	94.8





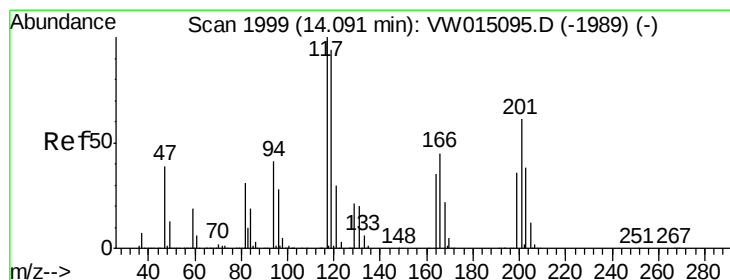
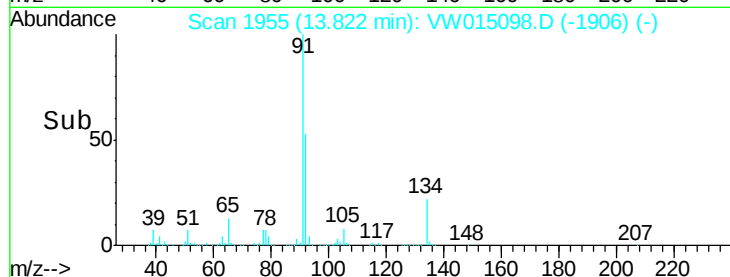
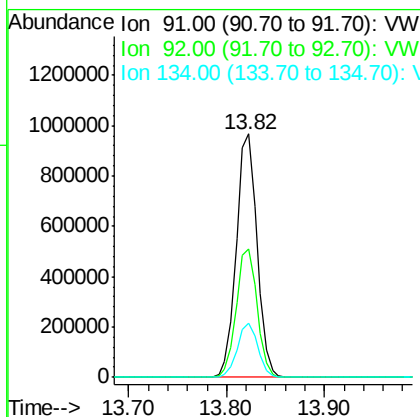
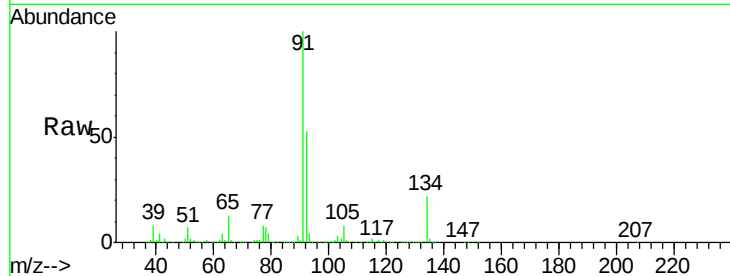
#89
n-Butylbenzene
Concen: 54.703 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion: 91 Resp: 1420910
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.3
134 22.0 10.8 32.4

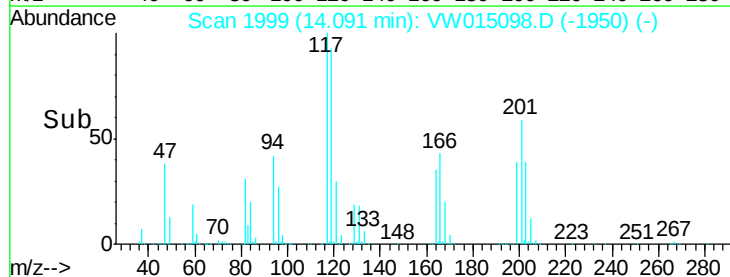
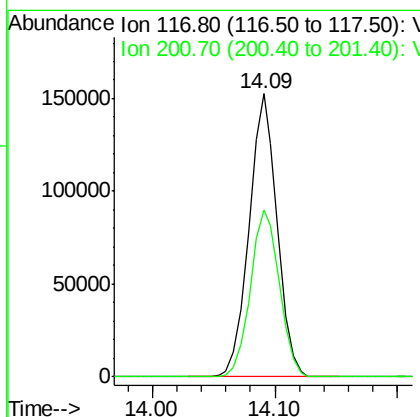
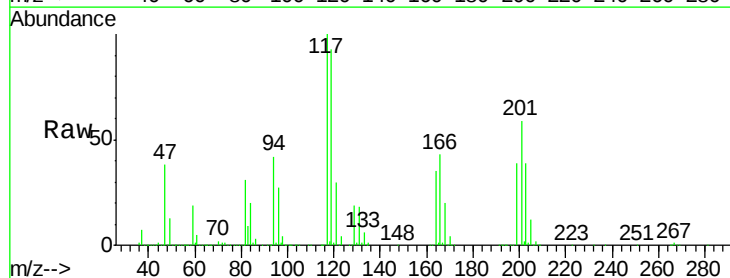
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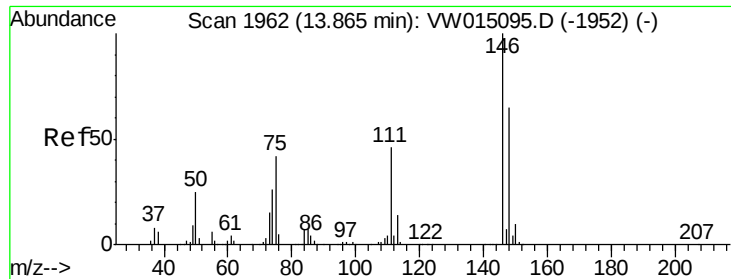
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#90
Hexachloroethane
Concen: 50.203 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 117 Resp: 242500
Ion Ratio Lower Upper
117 100
201 61.2 30.3 90.9





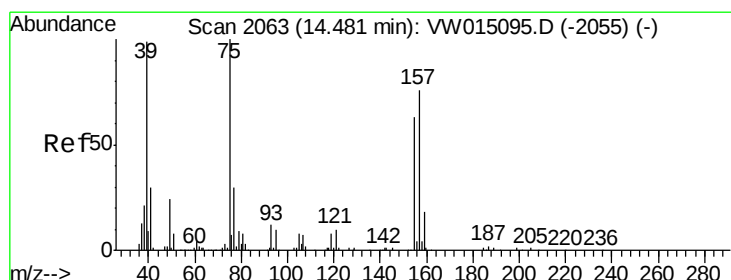
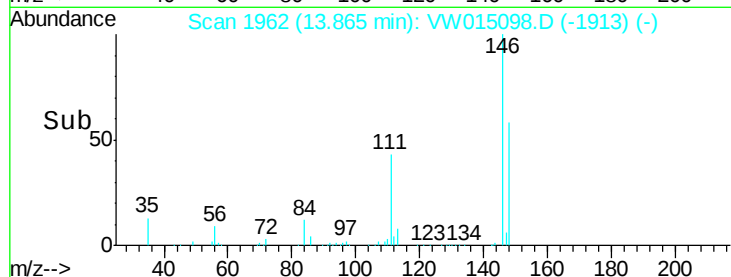
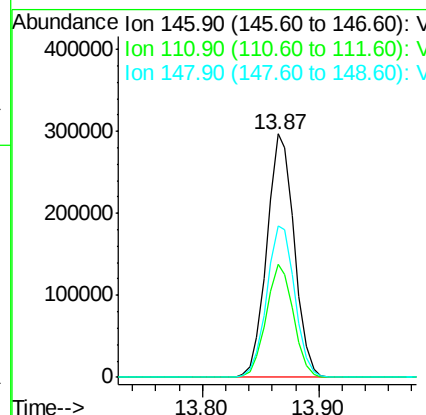
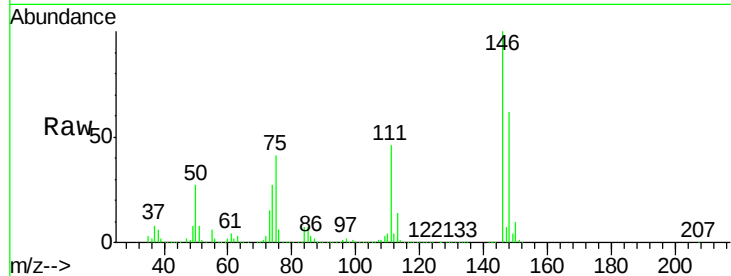
#91
 1,2-Dichlorobenzene
 Concen: 49.878 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030920

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.1	69.2
148	63.6	32.3	96.9

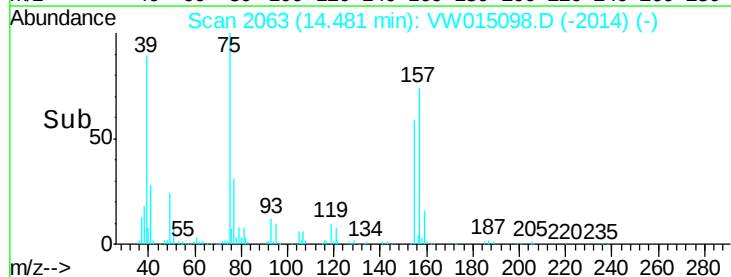
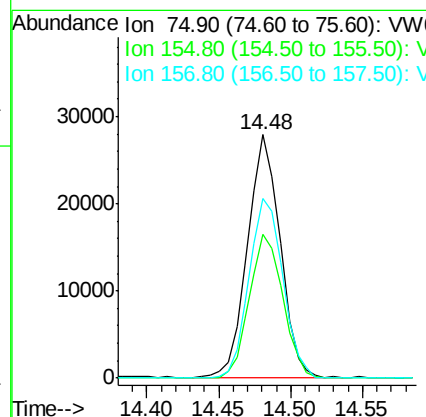
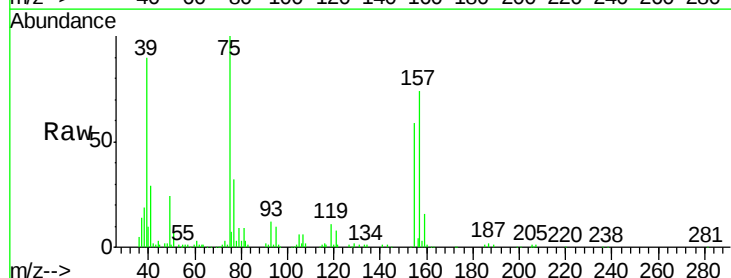
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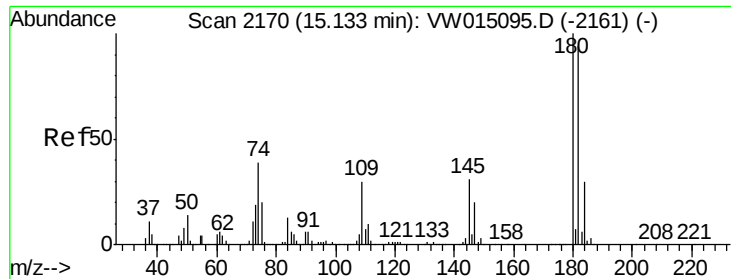
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.773 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015098.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.3	32.1	96.3
157	76.2	39.6	118.7





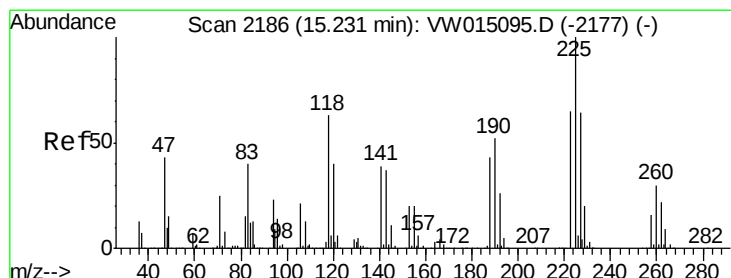
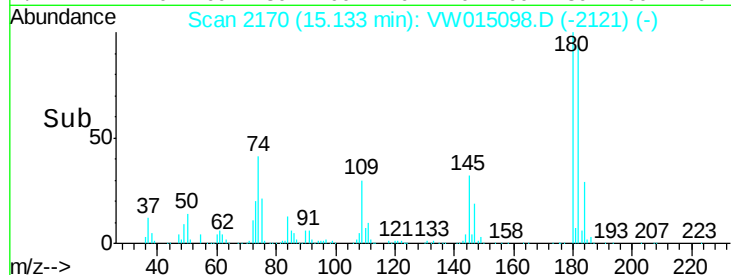
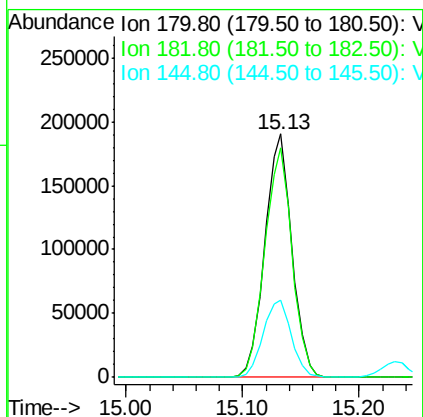
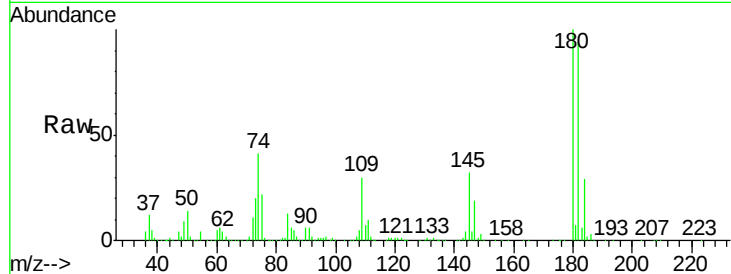
#93
1,2,4-Trichlorobenzene
Concen: 54.998 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Resp	Lower	Upper
180	100	306832		
182	95.3	47.6	142.9	
145	33.1	16.2	48.5	

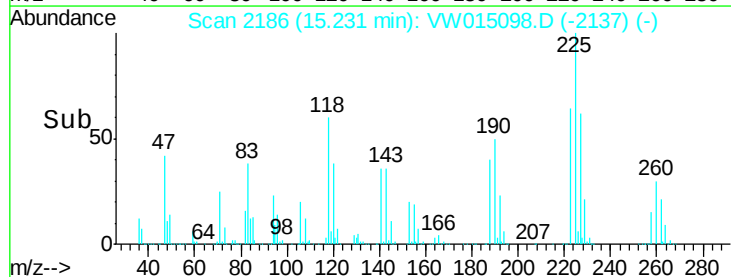
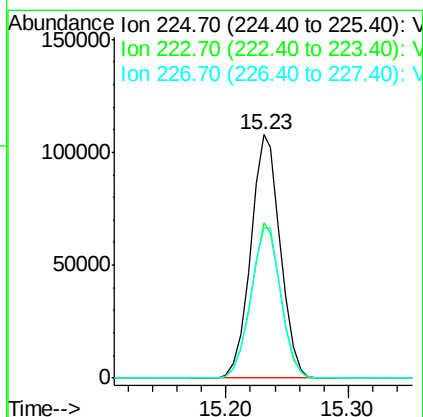
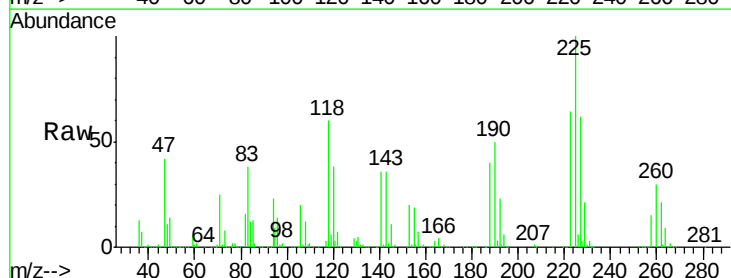
Manual Integrations
APPROVED

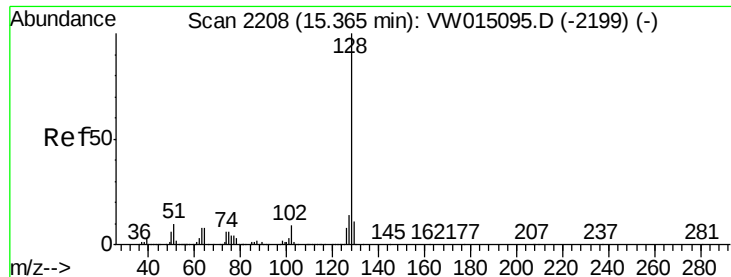
MMDadoda
3/11/2020 3:24:04 PM



#94
Hexachlorobutadiene
Concen: 51.571 ug/l
RT: 15.23 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	180640		
223	63.3	32.5	97.4	
227	63.4	33.0	99.0	





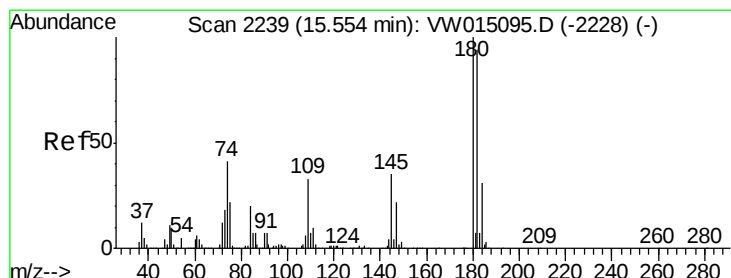
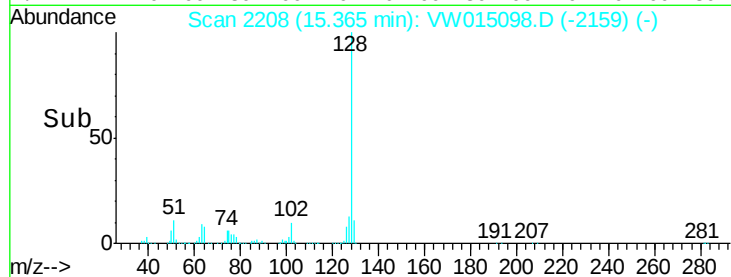
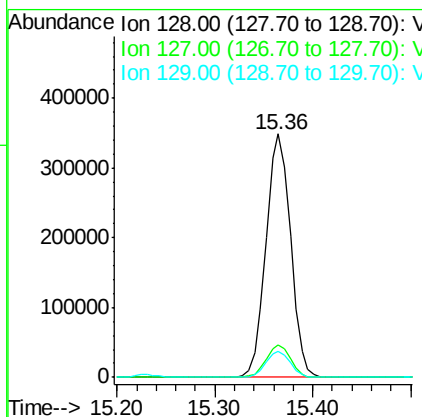
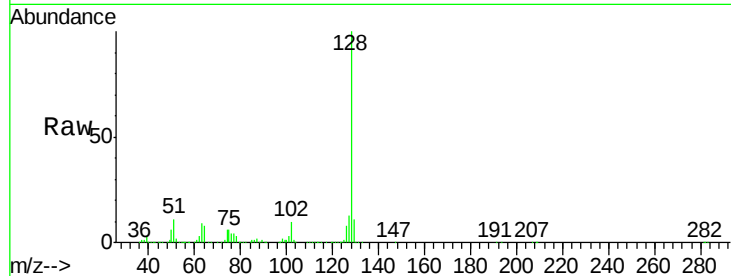
#95
Naphthalene
Concen: 50.082 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :
ICVW030920

Tot Ion	Ratio	Resp	Lower	Upper
128	100	611137		
127	13.2	10.7	16.1	
129	10.8	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:24:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.740 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015098.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	275819		
182	93.5	47.9	143.7	
145	34.2	17.5	52.6	

