

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015661.D
 Acq On : 23 Jun 2020 15:03
 Operator : SY/VA
 Sample : VW0623SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:58:23 AM

Quant Time: Jun 24 03:47:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	341396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	119646	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.89	113	105373	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.33	98	431109	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.62	95	157415	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	24508	19.193	ug/l	95
3) Chloromethane	2.21	50	29263	19.516	ug/l	97
4) Vinyl Chloride	2.37	62	47674	19.667	ug/l	99
5) Bromomethane	2.78	94	37976	21.315	ug/l	96
6) Chloroethane	2.93	64	32200	20.185	ug/l	100
7) Trichlorofluoromethane	3.26	101	33921	18.637	ug/l	94
8) Diethyl Ether	3.68	74	21492	20.446	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42221	19.680	ug/l	99
10) Methyl Iodide	4.28	142	58530	19.294	ug/l	100
11) Tert butyl alcohol	5.21	59	14140	85.110	ug/l	97
12) 1,1-Dichloroethene	4.04	96	41513	19.872	ug/l	98
13) Acrolein	3.90	56	16900	102.101	ug/l	98
14) Allyl chloride	4.67	41	66532	19.631	ug/l	99
15) Acrylonitrile	5.38	53	42094	97.061	ug/l	98
16) Acetone	4.14	43	43136	95.230	ug/l	99
17) Carbon Disulfide	4.38	76	113536	18.884	ug/l	98
18) Methyl Acetate	4.68	43	20576	19.091	ug/l	99
19) Methyl tert-butyl Ether	5.44	73	63853	20.310	ug/l	95
20) Methylene Chloride	4.92	84	54493	22.155	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	47235	19.722	ug/l	95
22) Diisopropyl ether	6.32	45	135499	20.102	ug/l	97
23) Vinyl Acetate	6.26	43	392550	99.863	ug/l	99
24) 1,1-Dichloroethane	6.22	63	83173	19.602	ug/l	99
25) 2-Butanone	7.18	43	59538	97.253	ug/l	99
26) 2,2-Dichloropropane	7.17	77	56088	19.708	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	50898	19.755	ug/l	99
28) Bromochloromethane	7.52	49	33316	20.412	ug/l	98
29) Tetrahydrofuran	7.54	42	35733	99.327	ug/l	99
30) Chloroform	7.68	83	84797	19.486	ug/l	97
31) Cyclohexane	7.96	56	78750	19.187	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	73501	19.815	ug/l	98
36) 1,1-Dichloropropene	8.09	75	69793	19.655	ug/l	100
37) Ethyl Acetate	7.26	43	26979	19.899	ug/l	100
38) Carbon Tetrachloride	8.07	117	66265	19.252	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	84622	19.675	ug/l	99
40) Benzene	8.33	78	190859	19.768	ug/l	99
41) Methacrylonitrile	7.49	41	15939	20.484	ug/l	96
42) 1,2-Dichloroethane	8.40	62	59728	19.997	ug/l	100
43) Isopropyl Acetate	8.43	43	54640	20.195	ug/l	99
44) Trichloroethene	9.09	130	50902	19.560	ug/l	97
45) 1,2-Dichloropropane	9.37	63	46082	19.526	ug/l	99
46) Dibromomethane	9.46	93	23622	19.346	ug/l	99
47) Bromodichloromethane	9.65	83	61938	19.447	ug/l	97
48) Methyl methacrylate	9.44	41	25105	20.296	ug/l	98
49) 1,4-Dioxane	9.47	88	6401	399.609	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	131903	101.092	ug/l	100
52) Toluene	10.39	92	123671	19.837	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	59882	19.461	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	72103	19.616	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34315	20.212	ug/l	98
56) Ethyl methacrylate	10.65	69	43258	20.478	ug/l	99
57) 1,3-Dichloropropane	10.93	76	60082	19.962	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	105895	105.934	ug/l	100
59) 2-Hexanone	10.97	43	90741	102.153	ug/l	100
60) Dibromochloromethane	11.13	129	39148	19.788	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32808	20.217	ug/l	99
64) Tetrachloroethene	10.87	164	43279	19.851	ug/l	97
65) Chlorobenzene	11.66	112	130720	19.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45432	19.804	ug/l	99
67) Ethyl Benzene	11.73	91	244188	20.053	ug/l	99
68) m/p-Xylenes	11.84	106	180378	39.449	ug/l	99
69) o-Xylene	12.17	106	84734	20.155	ug/l	99
70) Styrene	12.18	104	143171	19.932	ug/l	100
71) Bromoform	12.35	173	20287	19.219	ug/l #	98
73) Isopropylbenzene	12.47	105	238890	19.691	ug/l	100
74) N-amyl acetate	12.27	43	51362	19.971	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	37932	19.544	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	28506m	19.650	ug/l	
77) Bromobenzene	12.75	156	53885	19.919	ug/l	98
78) n-propylbenzene	12.80	91	288739	19.772	ug/l	100
79) 2-Chlorotoluene	12.90	91	164180	19.967	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	201761	19.627	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10699	18.586	ug/l	91
82) 4-Chlorotoluene	12.99	91	169869	19.528	ug/l	99
83) tert-Butylbenzene	13.21	119	173416	19.966	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	203980	19.897	ug/l	99
85) sec-Butylbenzene	13.38	105	249000	20.059	ug/l	100
86) p-Isopropyltoluene	13.50	119	225608	20.004	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107799	20.074	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	105885	19.908	ug/l	98
89) n-Butylbenzene	13.82	91	216531	19.999	ug/l	99
90) Hexachloroethane	14.10	117	39238	19.549	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	92928	20.014	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6309	20.300	ug/l	96

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ClientSampleId :
VW0623SBSD01

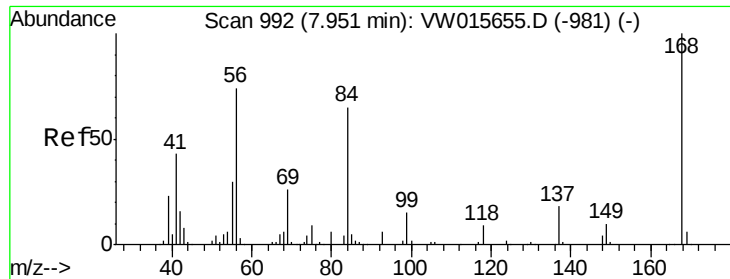
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62624	20.424	ug/l	100
94) Hexachlorobutadiene	15.24	225	38098	19.504	ug/l	98
95) Naphthalene	15.37	128	103641	20.436	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	52393	19.846	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion:168 Resp: 214152

Ion Ratio Lower Upper

168 100

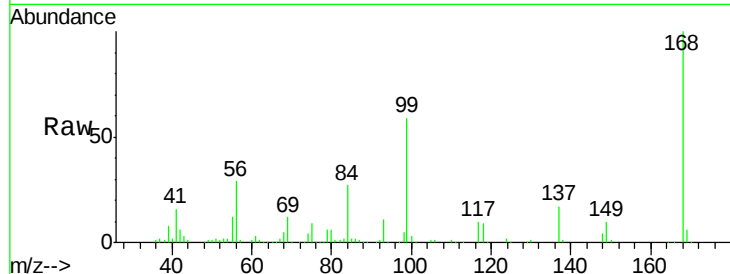
99 59.2 48.6 73.0

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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

100000

80000

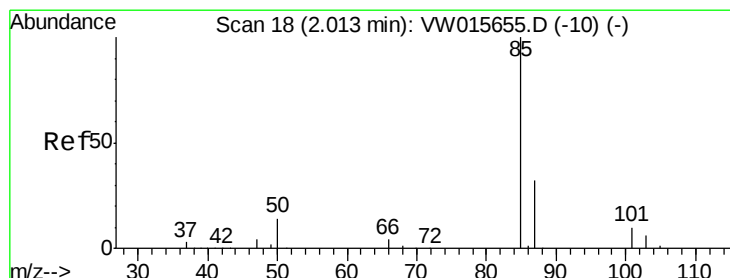
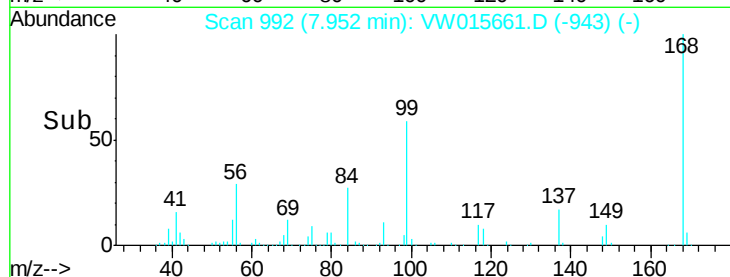
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.193 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015661.D

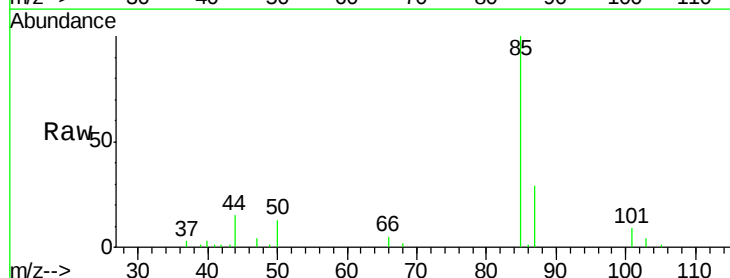
Acq: 23 Jun 2020 15:03

Tgt Ion: 85 Resp: 24508

Ion Ratio Lower Upper

85 100

87 29.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

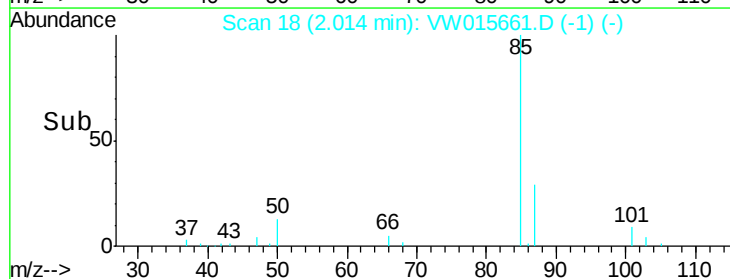
6000

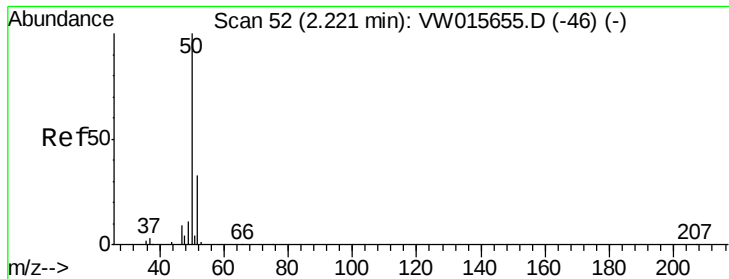
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.516 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 50 Resp: 29263

Ion Ratio Lower Upper

50 100

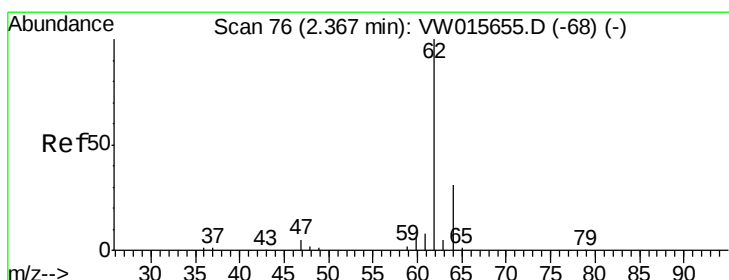
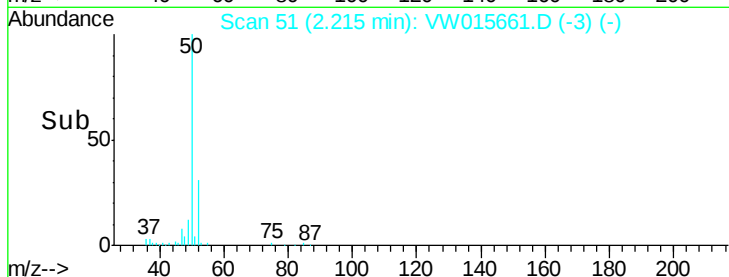
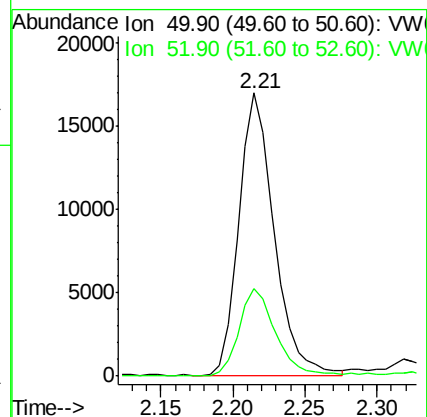
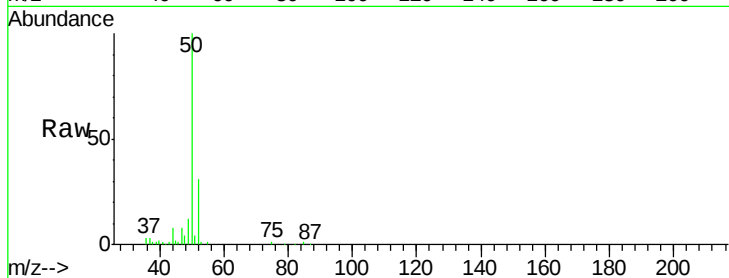
52 31.1 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.667 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015661.D

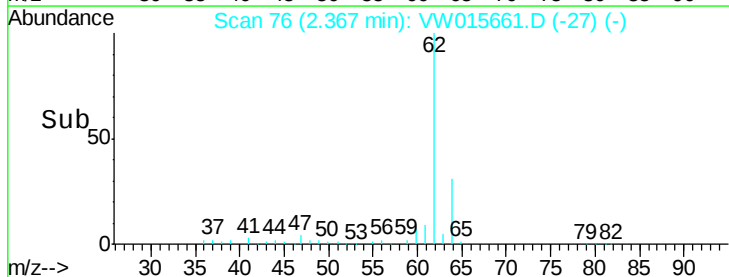
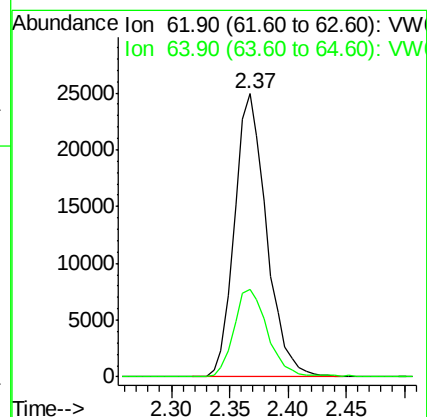
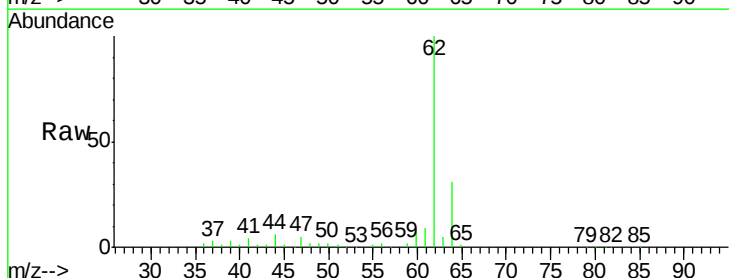
Acq: 23 Jun 2020 15:03

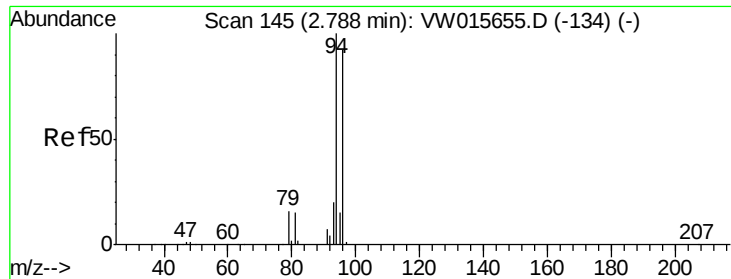
Tgt Ion: 62 Resp: 47674

Ion Ratio Lower Upper

62 100

64 31.1 25.1 37.7





#5

Bromomethane

Concen: 21.315 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 94 Resp: 37976

Ion Ratio Lower Upper

94 100

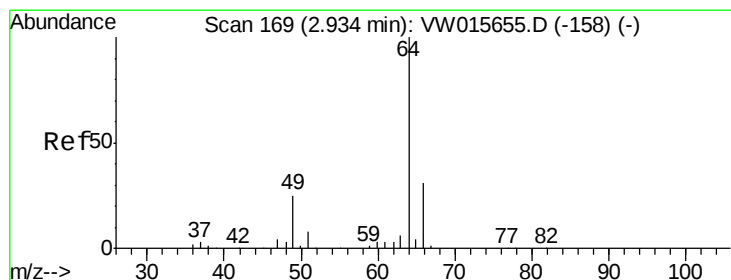
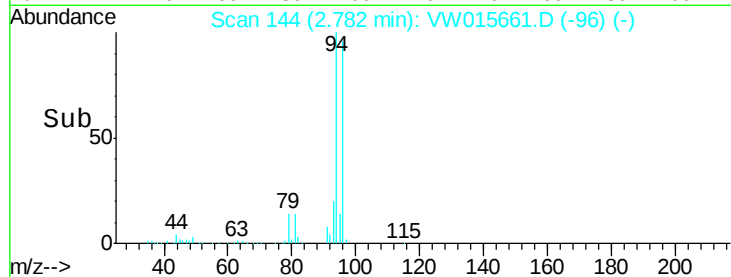
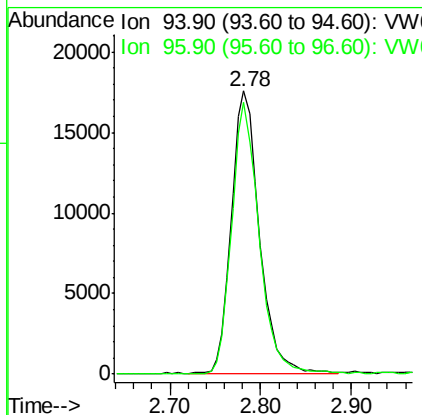
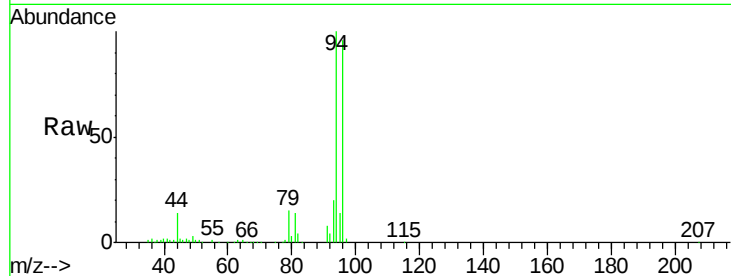
96 95.9 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 20.185 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015661.D

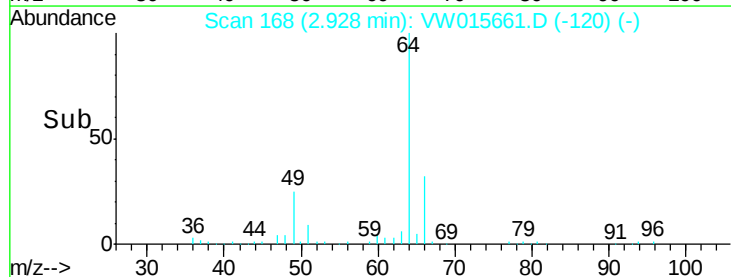
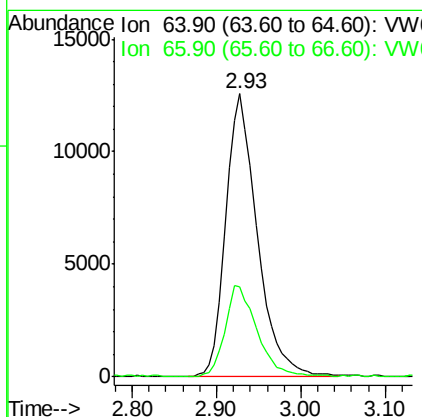
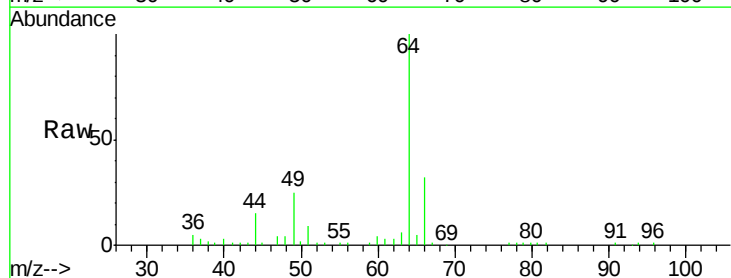
Acq: 23 Jun 2020 15:03

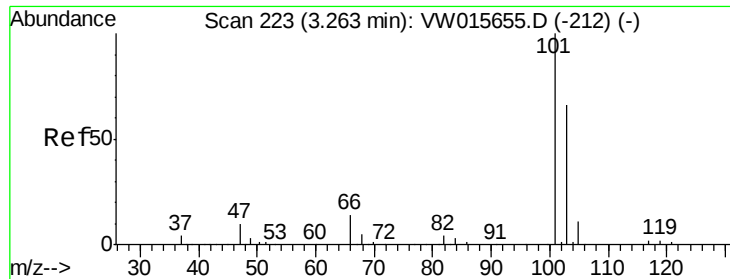
Tgt Ion: 64 Resp: 32200

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9





#7

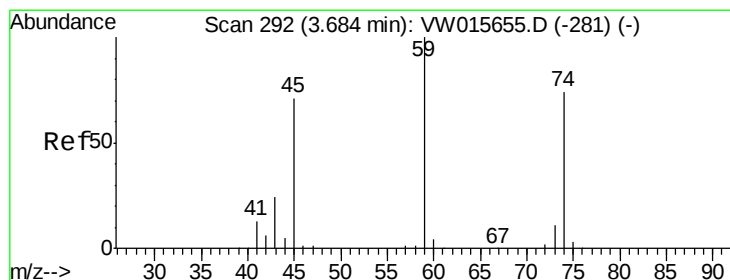
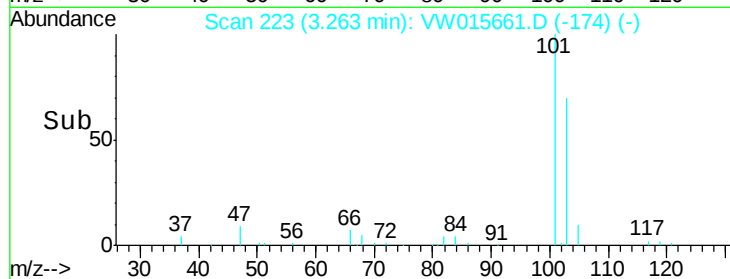
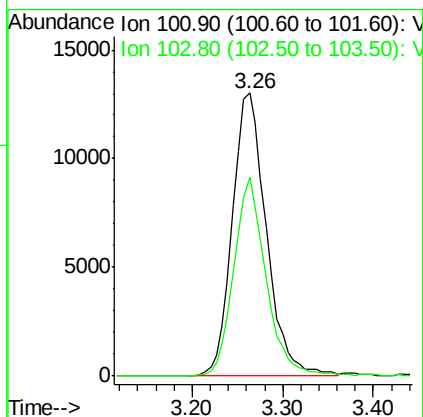
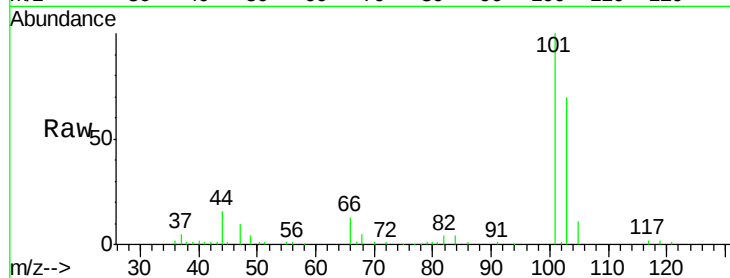
Trichlorofluoromethane
 Concen: 18.637 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
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 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.1	52.6	78.8

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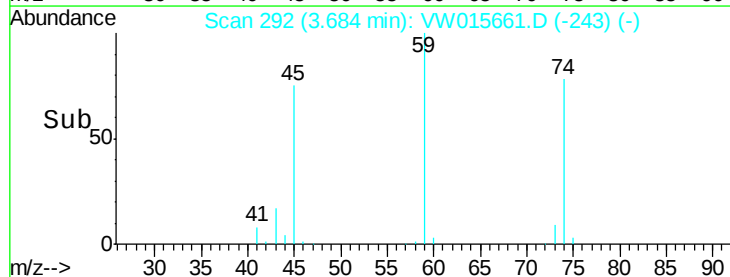
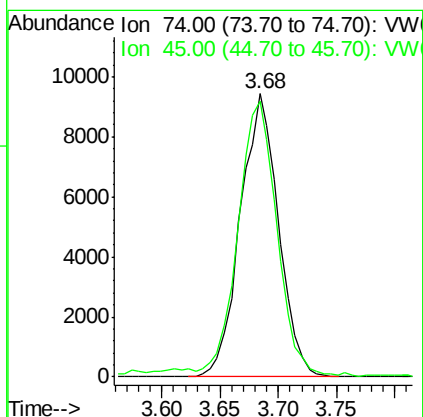
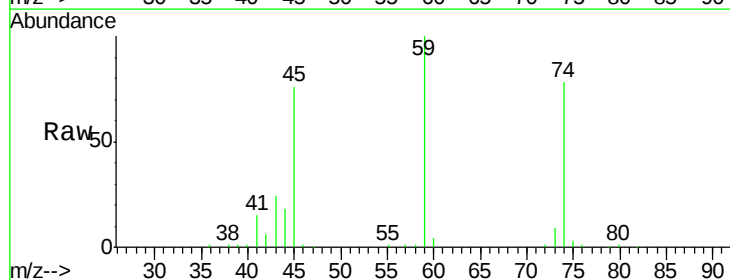
MMDadoda
 6/24/2020 10:58:23 AM

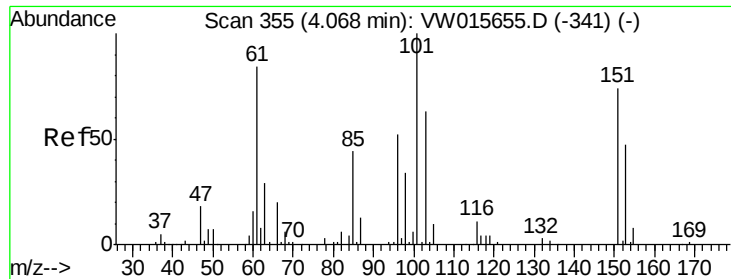


#8

Diethyl Ether
 Concen: 20.446 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.680 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

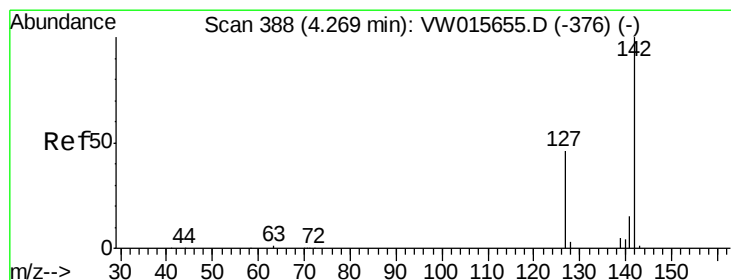
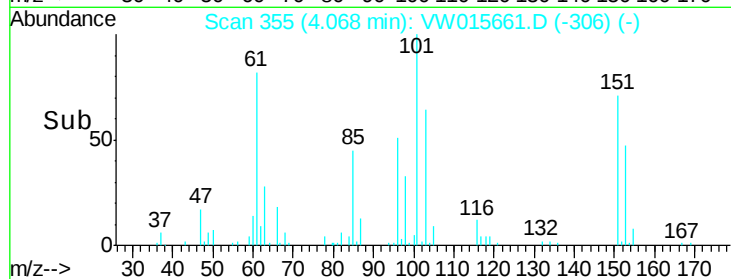
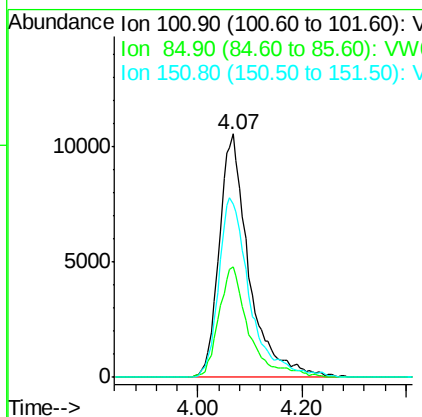
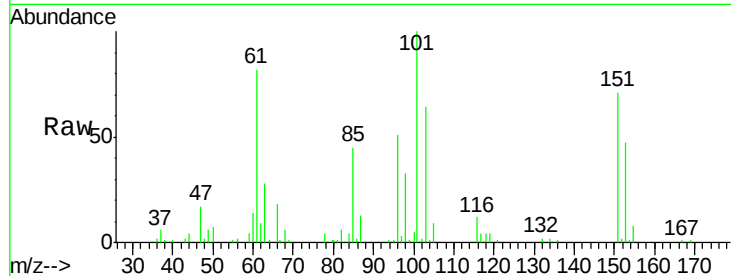
ClientSampleId :

VW0623SBS01

Tot Ion:	101	Resp:	42221
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.6	55.0
151	77.4	60.4	90.6

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#10

Methyl Iodide

Concen: 19.294 ug/l

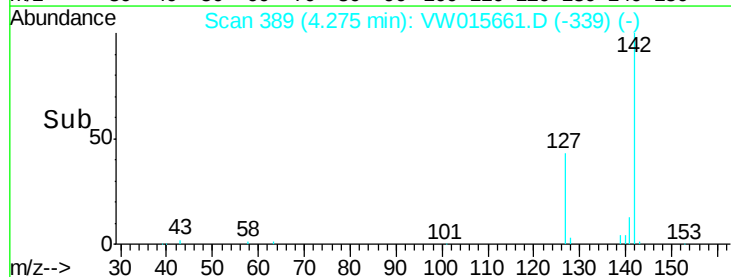
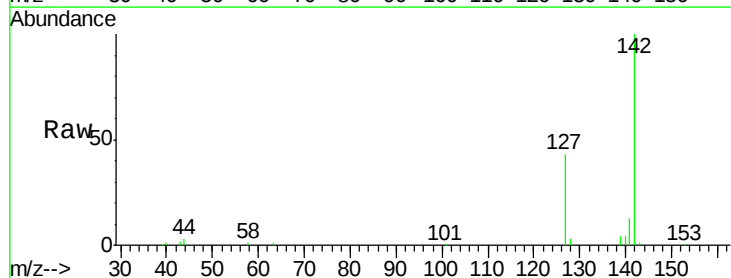
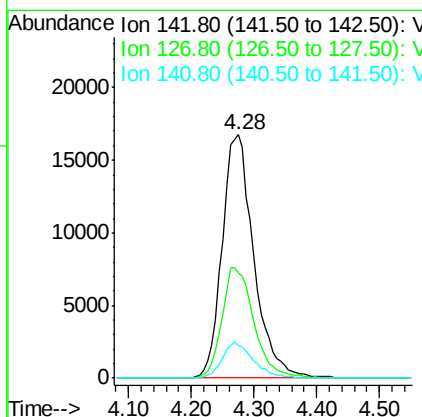
RT: 4.28 min Scan# 389

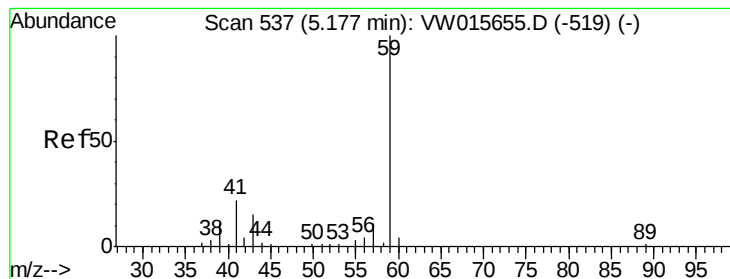
Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Tgt Ion:	142	Resp:	58530
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.4	54.6
141	14.5	11.6	17.4





#11

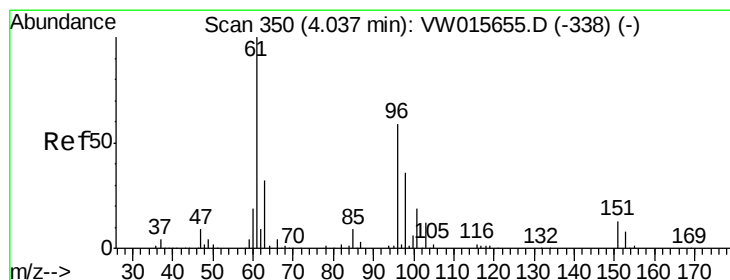
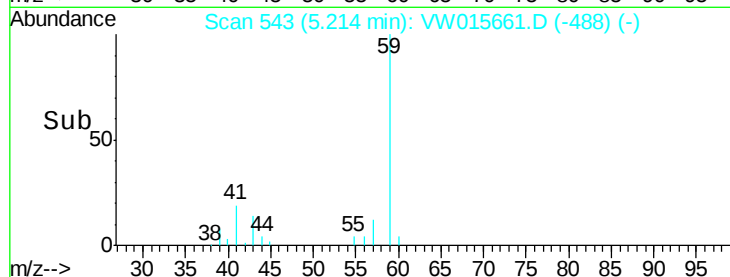
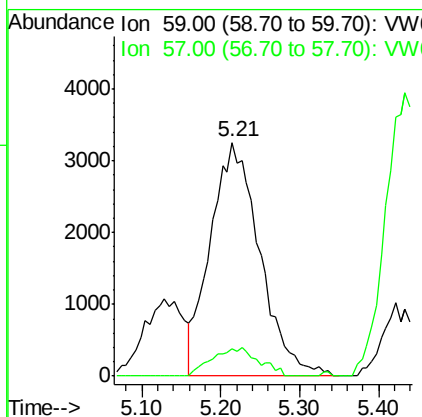
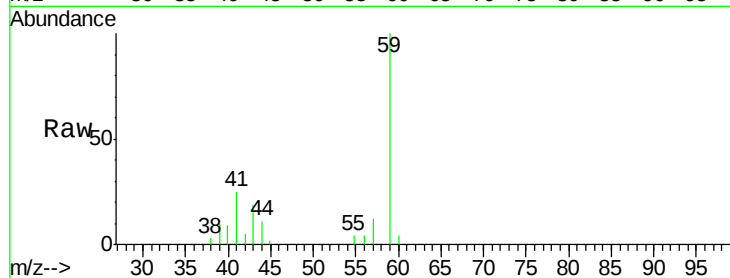
Tert butyl alcohol
 Concen: 85.110 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.04 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	59	Resp	14140
Ion Ratio	100	Lower	Upper
57	11.5	8.4	12.6

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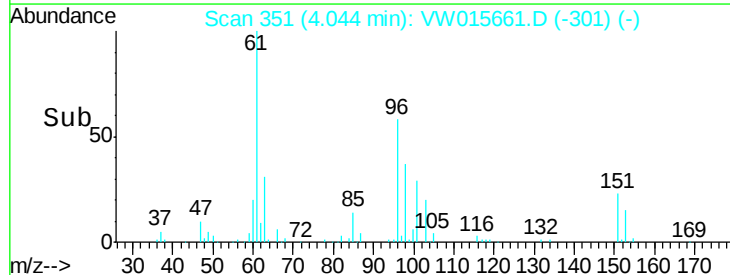
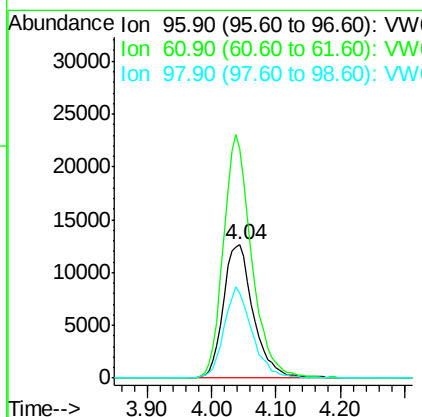
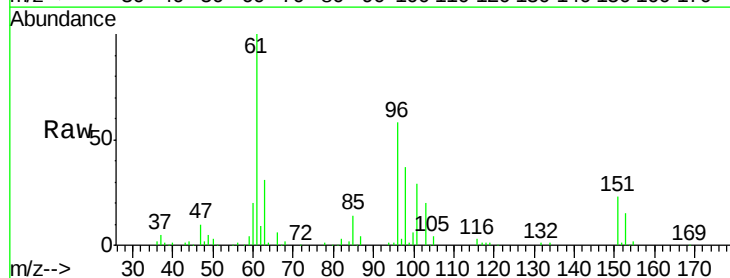
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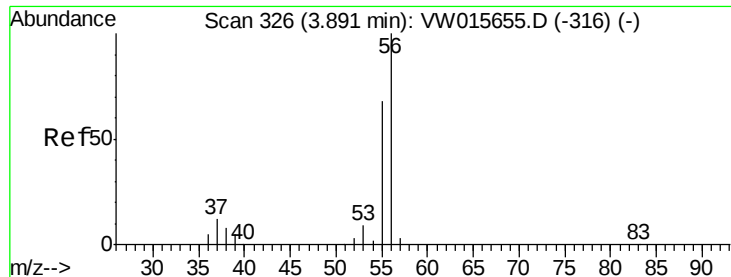


#12

1,1-Dichloroethene
 Concen: 19.872 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion	96	Resp	41513
Ion Ratio	100	Lower	Upper
61	172.4	136.7	205.1
98	63.9	49.2	73.8





#13

Acrolein

Concen: 102.101 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 56 Resp: 16900

Ion Ratio Lower Upper

56 100

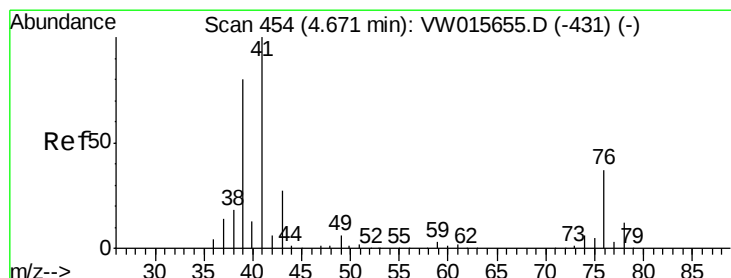
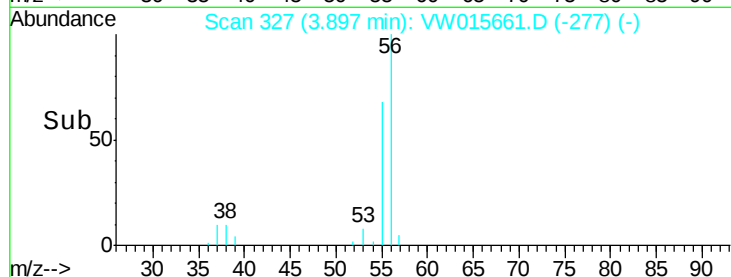
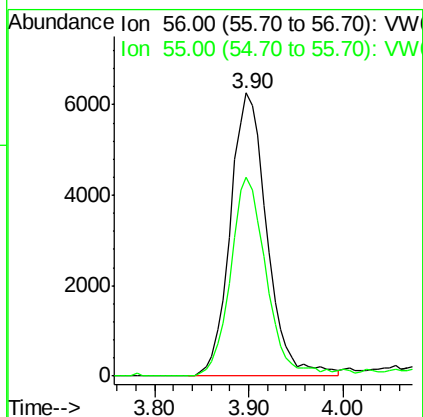
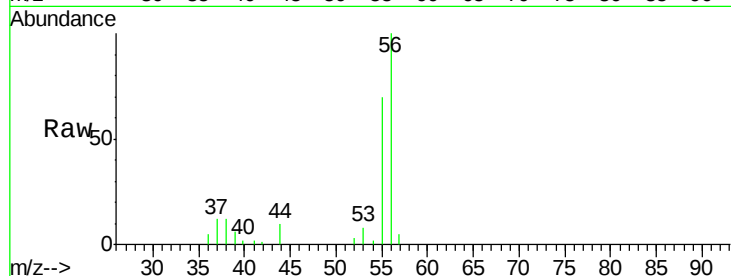
55 68.4 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.631 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

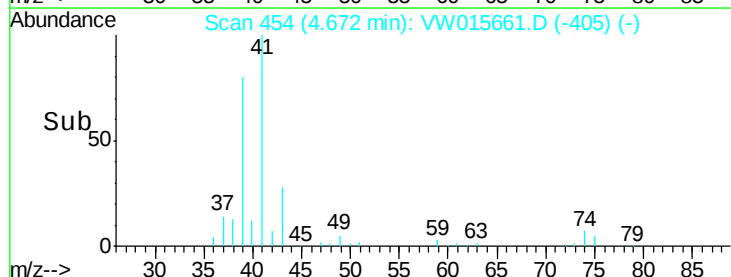
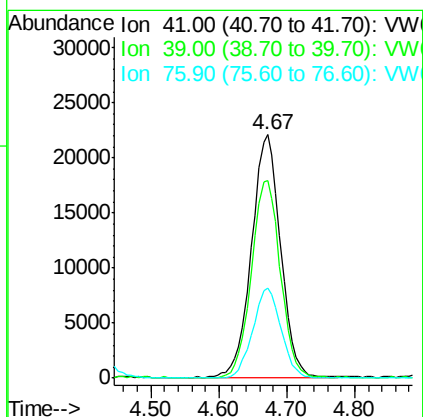
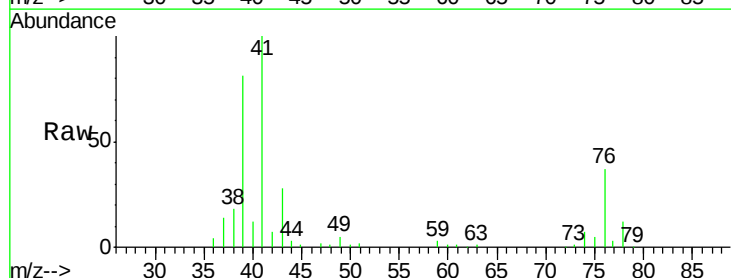
Tgt Ion: 41 Resp: 66532

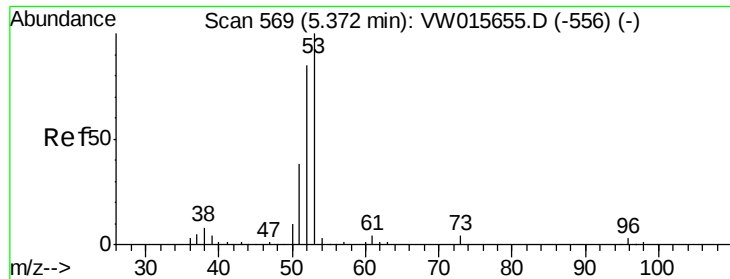
Ion Ratio Lower Upper

41 100

39 80.6 64.6 97.0

76 35.6 29.1 43.7





#15

Acrylonitrile

Concen: 97.061 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

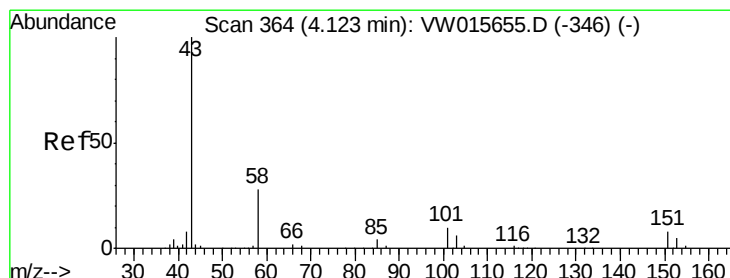
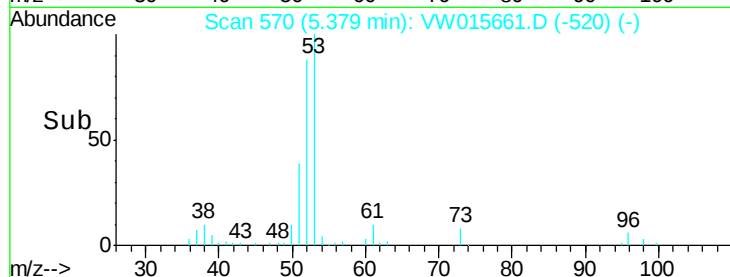
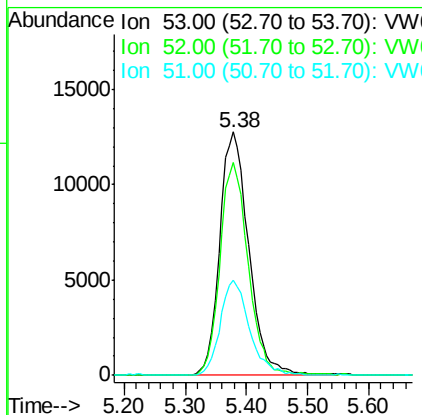
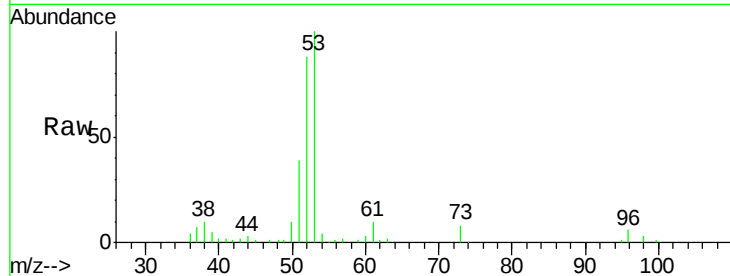
ClientSampleId :

VW0623SBS01

Tot Ion:	53	Resp:	42094
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.8	98.6
51	39.3	30.7	46.1

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#16

Acetone

Concen: 95.230 ug/l

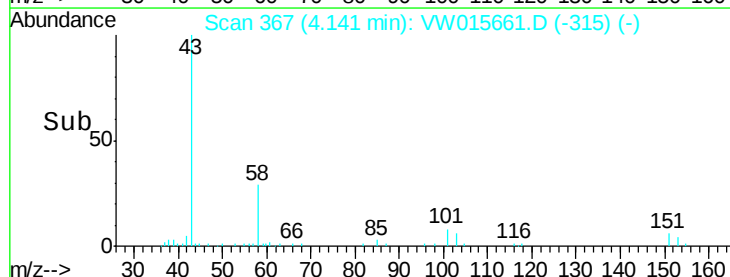
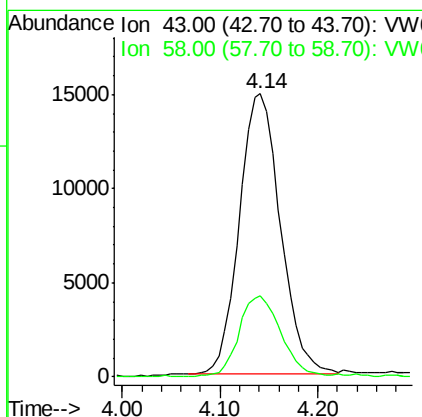
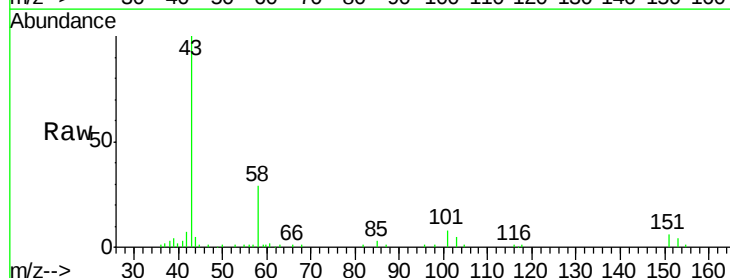
RT: 4.14 min Scan# 367

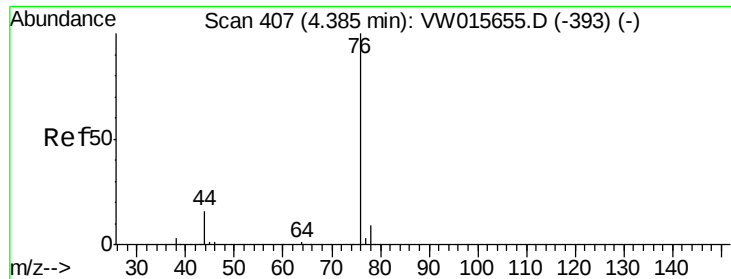
Delta R.T. 0.02 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Tgt Ion:	43	Resp:	43136
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.6	33.8





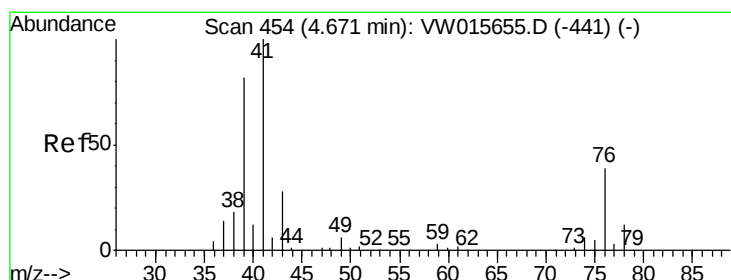
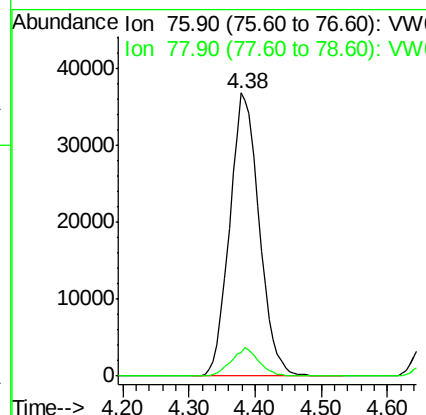
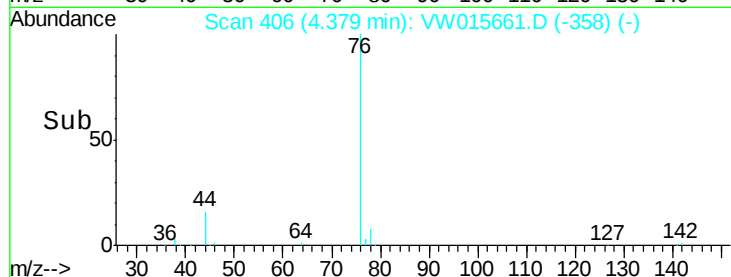
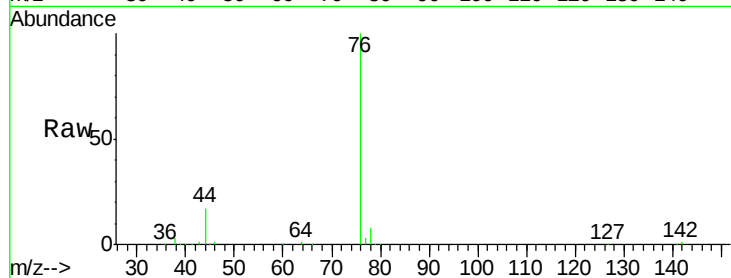
#17
Carbon Disulfide
Concen: 18.884 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.2	10.8

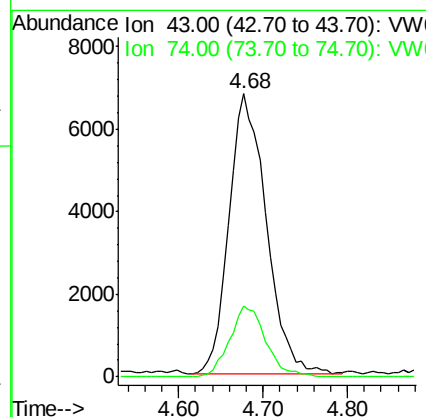
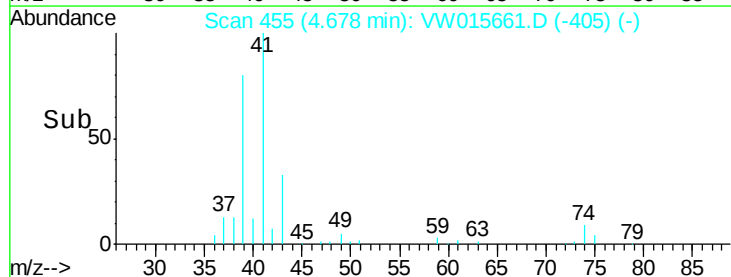
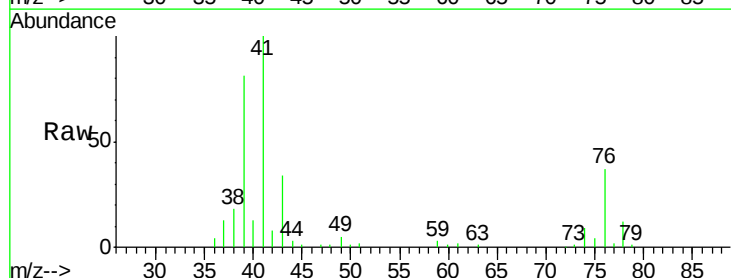
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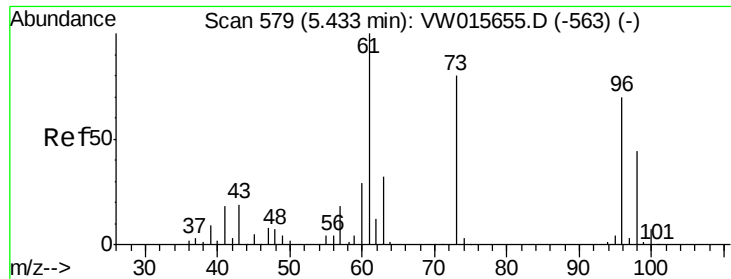
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#18
Methyl Acetate
Concen: 19.091 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.0	28.6





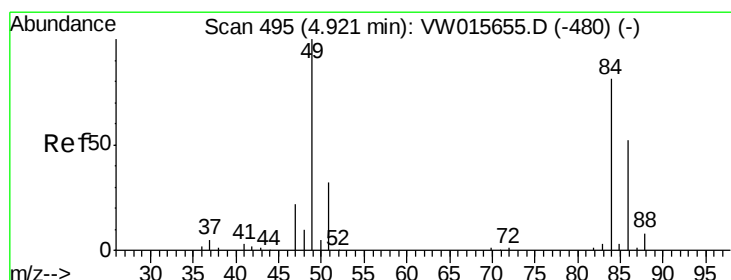
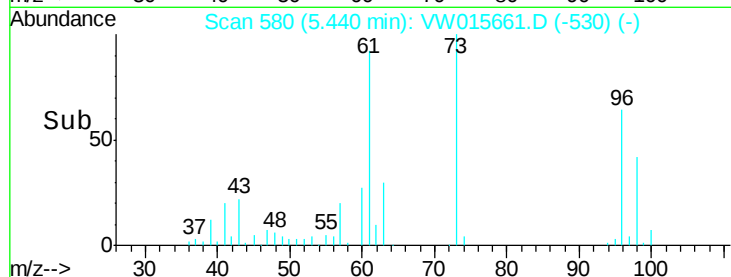
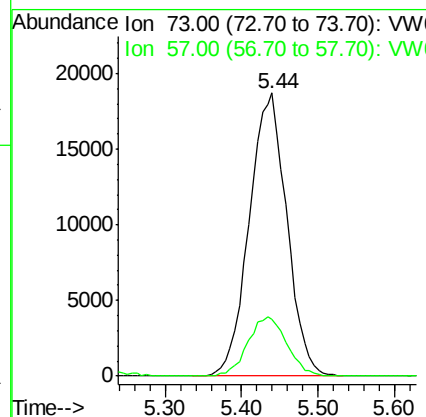
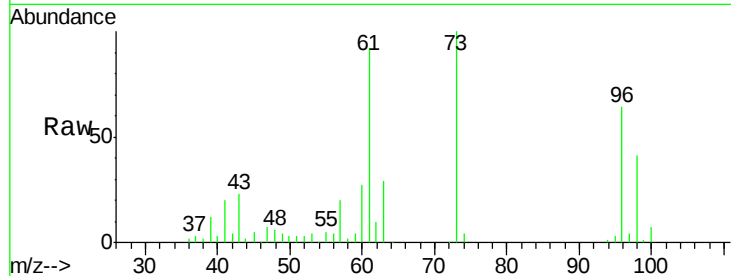
#19
Methvl tert-butvl Ether
Concen: 20.310 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 73 Resp: 63853
Ion Ratio Lower Upper
73 100
57 20.1 18.1 27.1

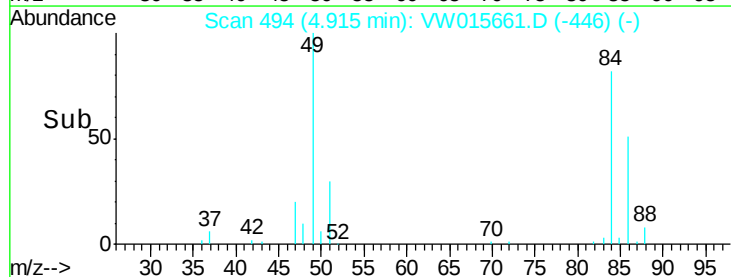
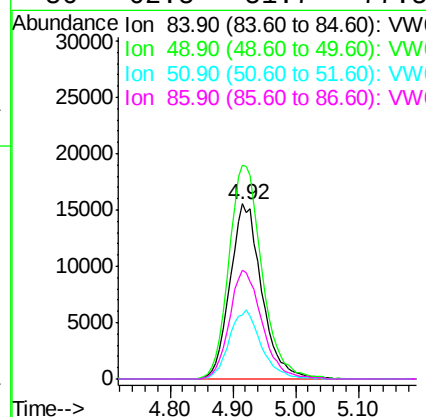
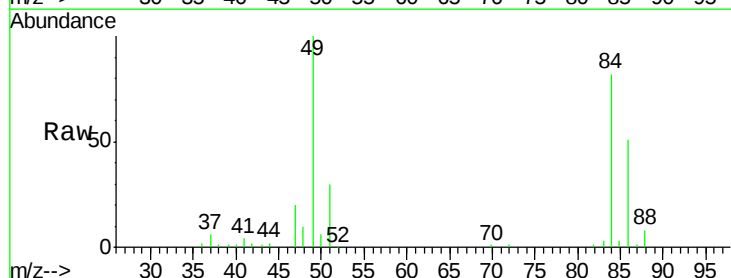
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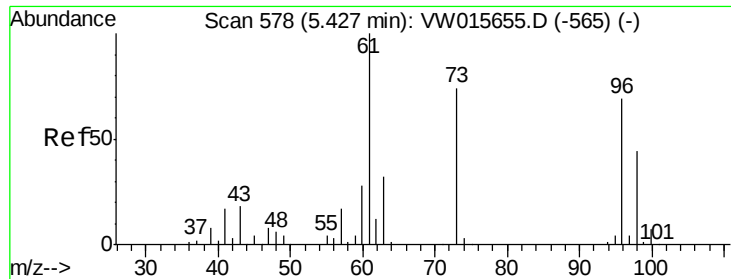
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#20
Methylene Chloride
Concen: 22.155 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 84 Resp: 54493
Ion Ratio Lower Upper
84 100
49 122.0 99.3 148.9
51 36.8 31.8 47.6
86 62.5 51.7 77.5





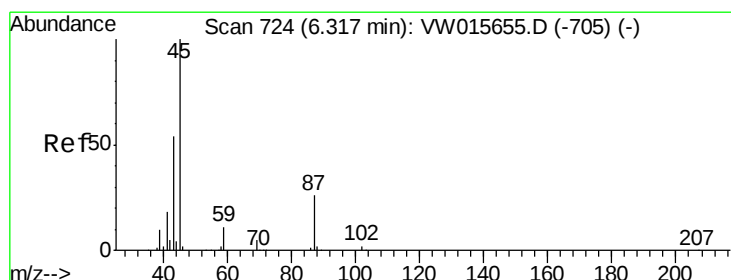
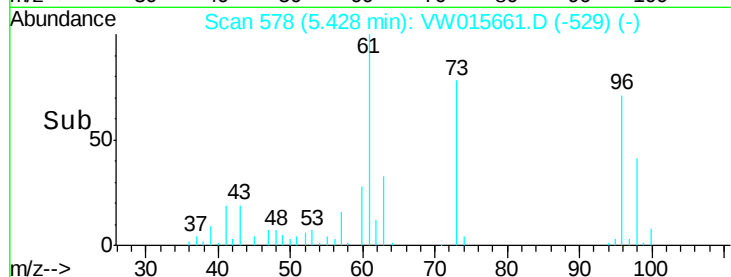
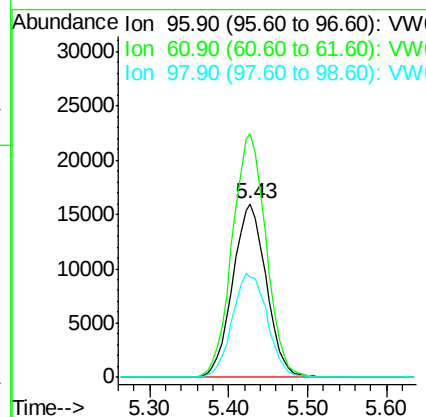
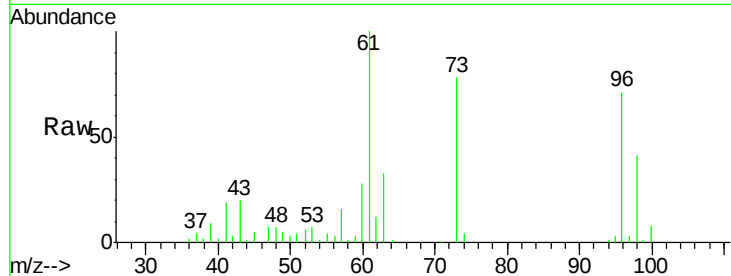
#21
trans-1,2-Dichloroethene
Concen: 19.722 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	116.2	174.2
98	57.6	51.4	77.0

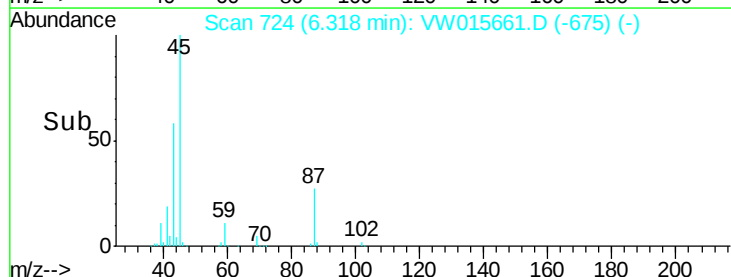
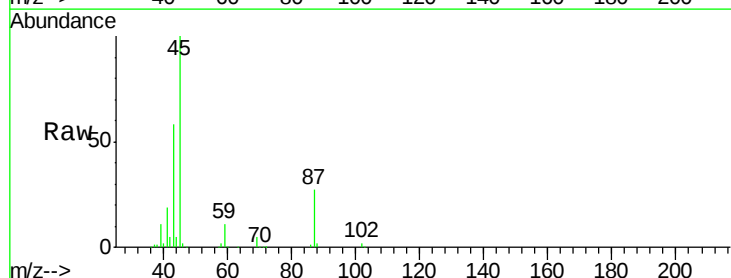
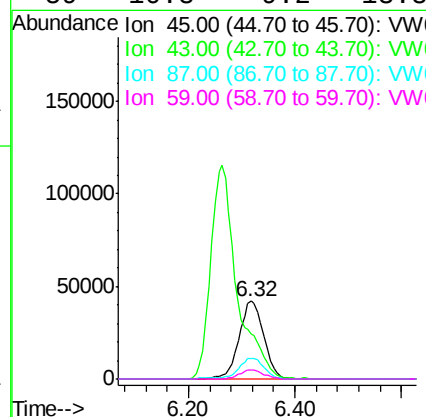
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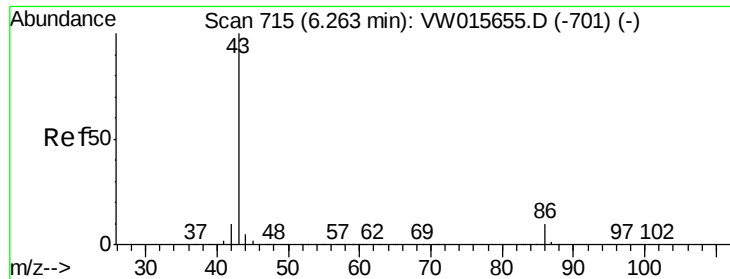
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#22
Diisopropyl ether
Concen: 20.102 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	43.9	65.9
87	26.9	21.2	31.8
59	10.8	9.2	13.8





#23

Vinyl Acetate

Concen: 99.863 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 43 Resp: 392550

Ion Ratio Lower Upper

43 100

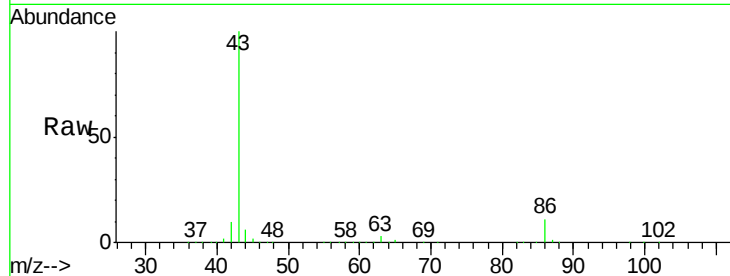
86 10.9 8.3 12.5

Manual Integrations

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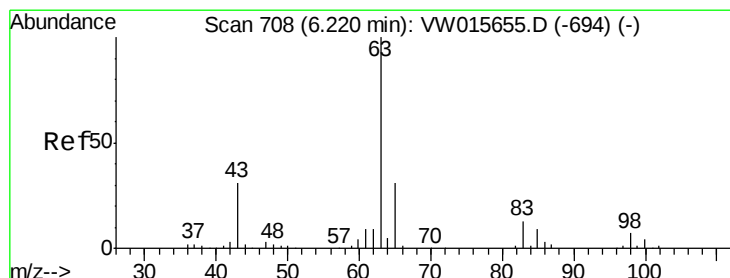
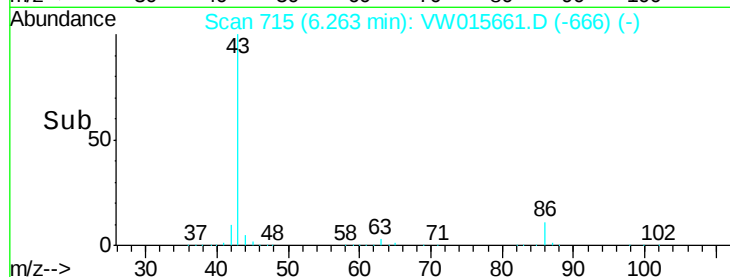
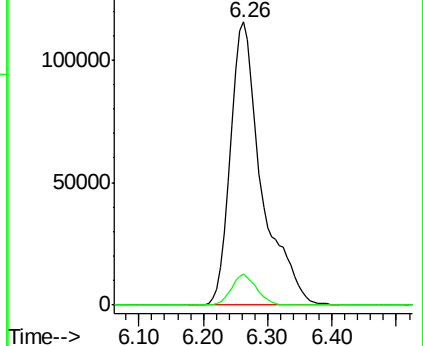
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.602 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

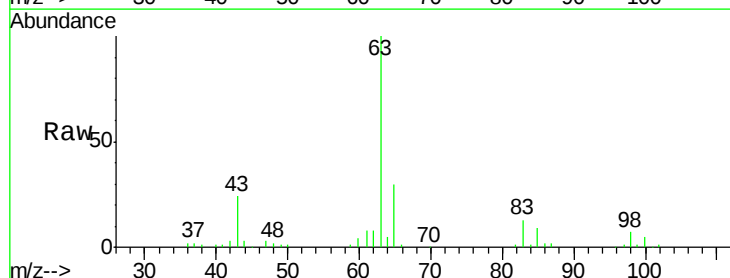
Tgt Ion: 63 Resp: 83173

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

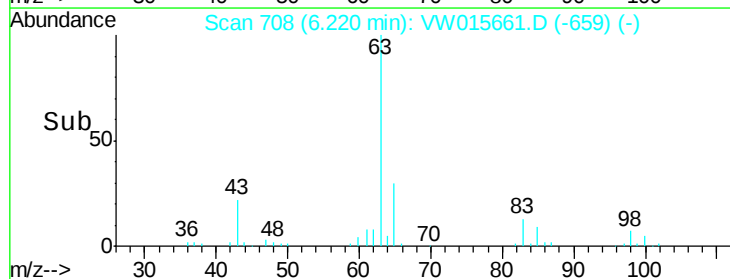
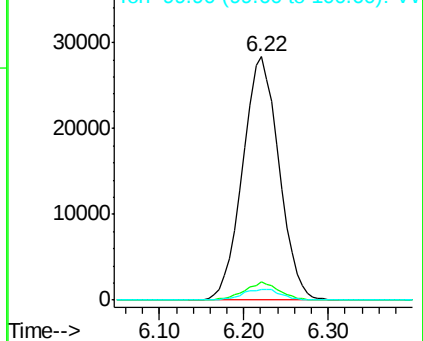
100 4.5 2.1 6.3

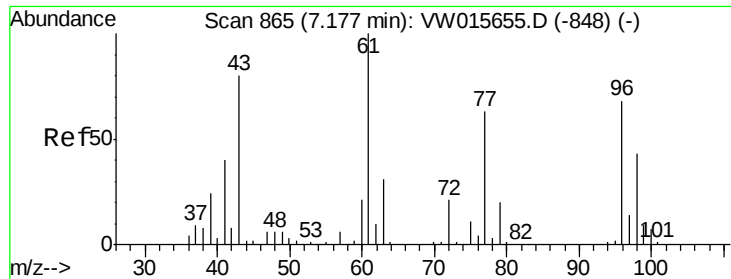


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





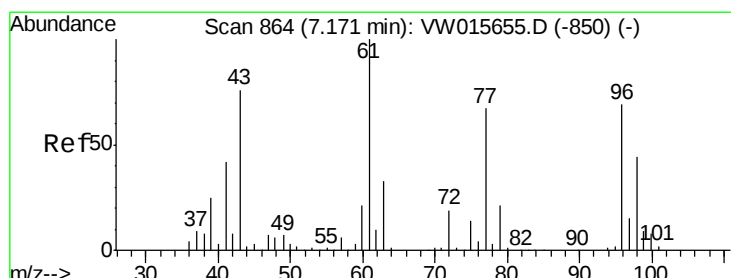
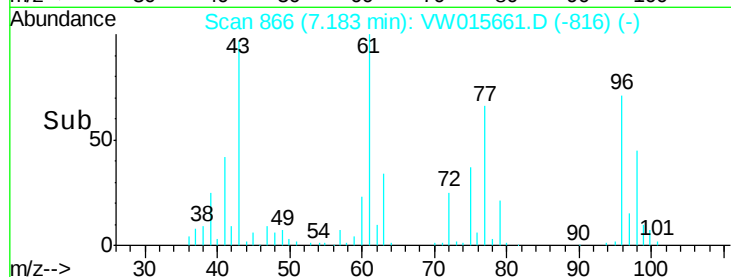
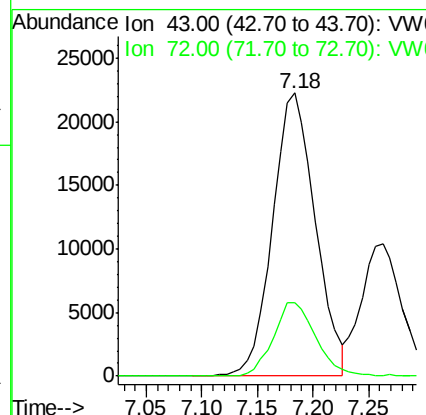
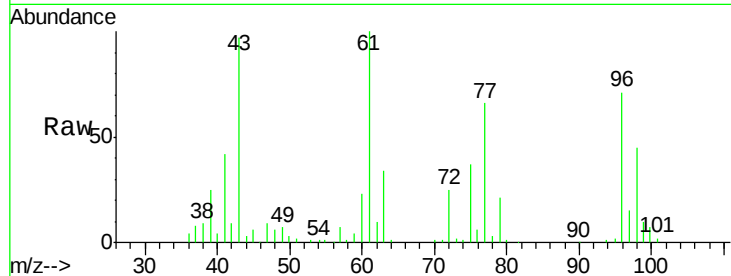
#25
2-Butanone
Concen: 97.253 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 43 Resp: 59538
Ion Ratio Lower Upper
43 100
72 25.8 21.1 31.7

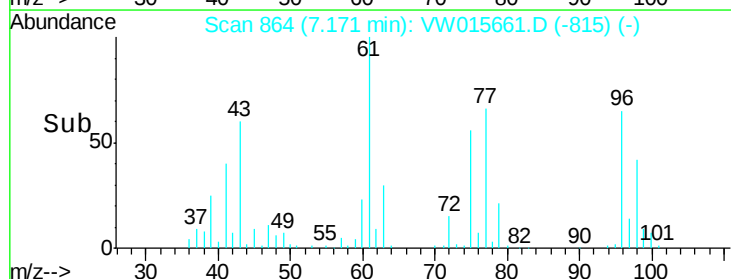
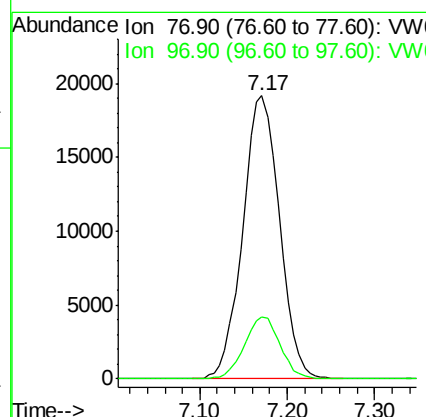
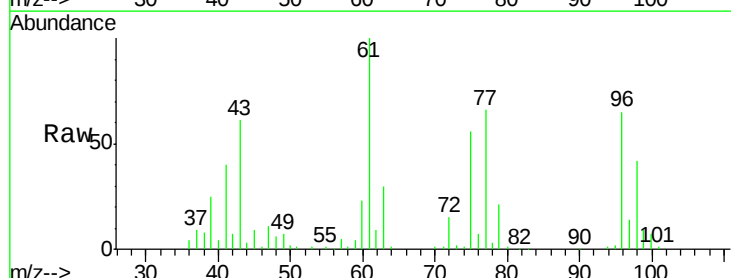
Manual Integrations
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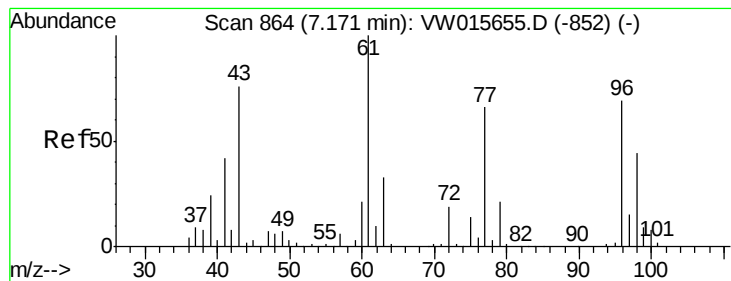
MMDadoda
6/24/2020 10:58:23 AM



#26
2,2-Dichloropropane
Concen: 19.708 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 77 Resp: 56088
Ion Ratio Lower Upper
77 100
97 21.3 11.2 33.5





#27

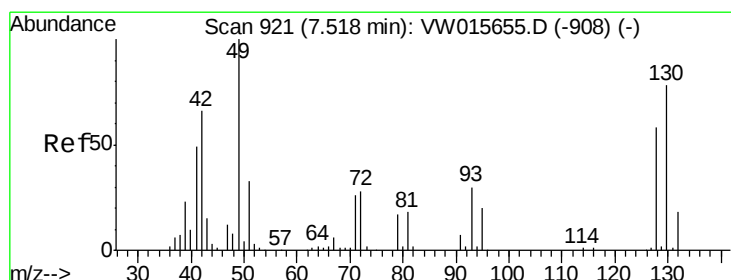
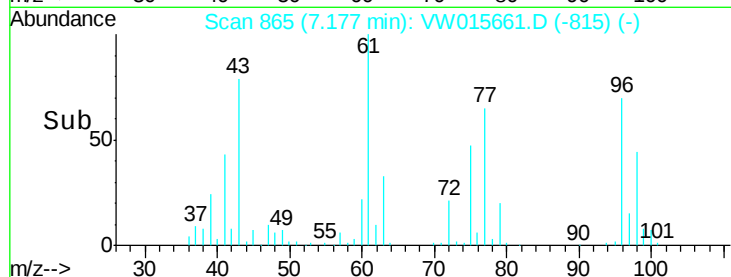
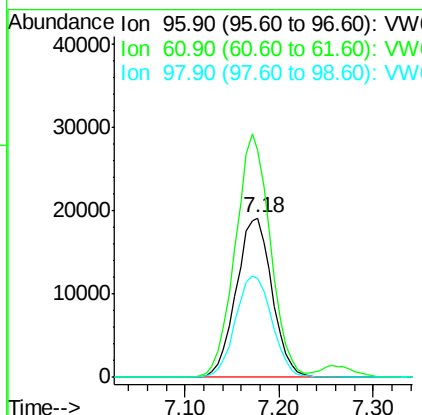
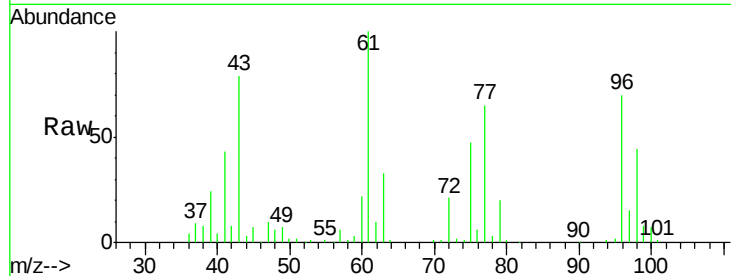
cis-1,2-Dichloroethene
Concen: 19.755 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	50898		
61	149.1	0.0	296.8	
98	64.8	0.0	128.0	

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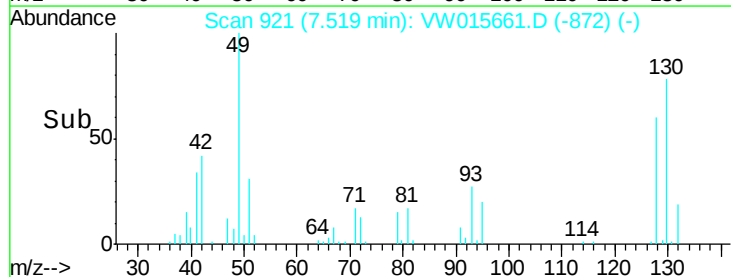
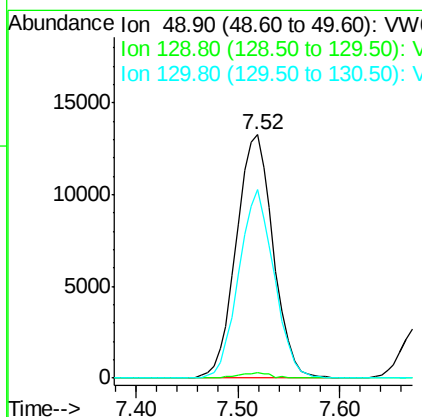
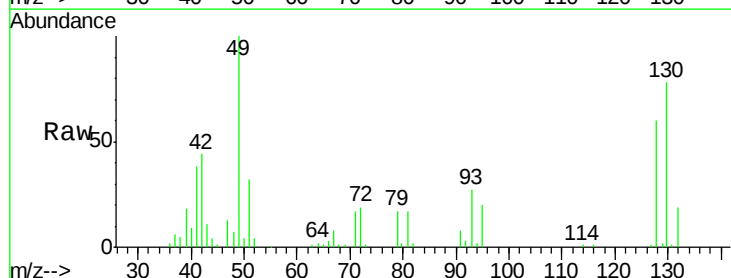
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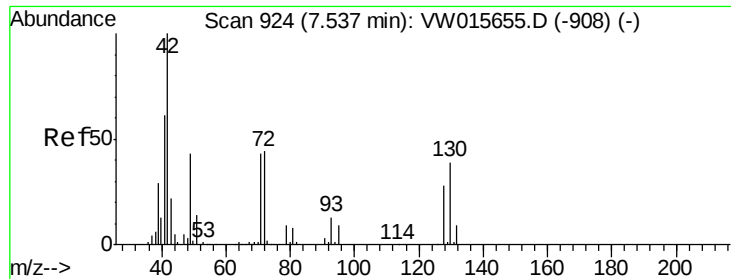


#28

Bromochloromethane
Concen: 20.412 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33316		
129	1.9	0.0	2.2	
130	74.2	61.0	91.4	





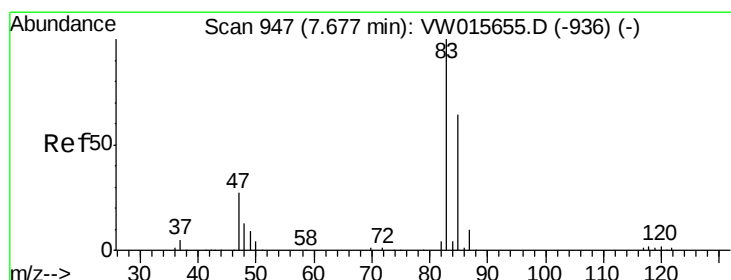
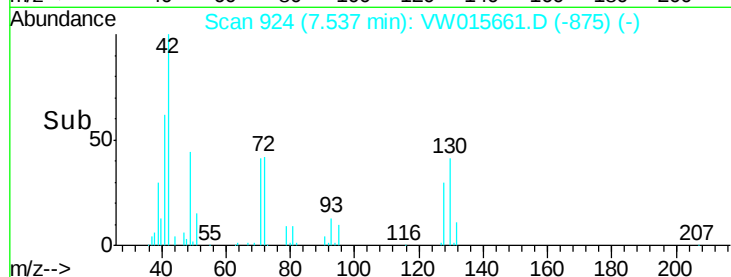
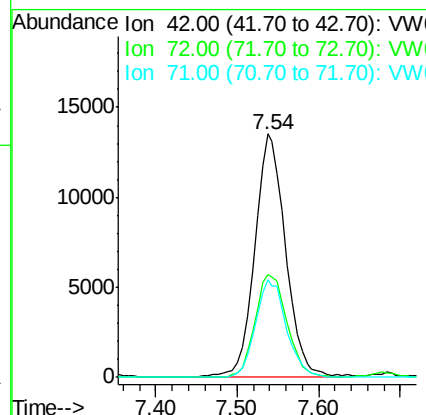
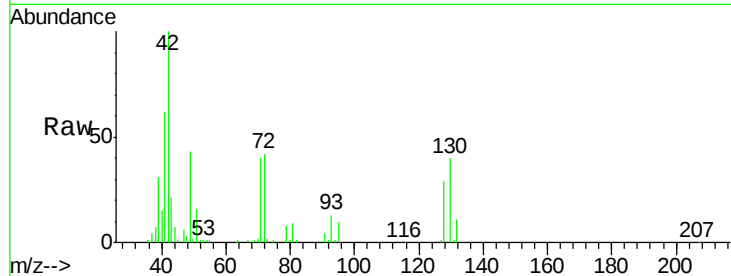
#29
Tetrahydrofuran
Concen: 99.327 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.6
71	39.7	32.6	49.0

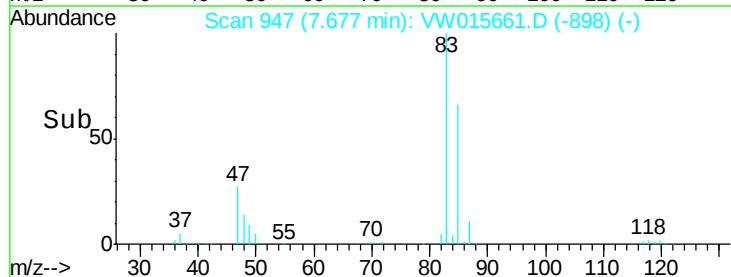
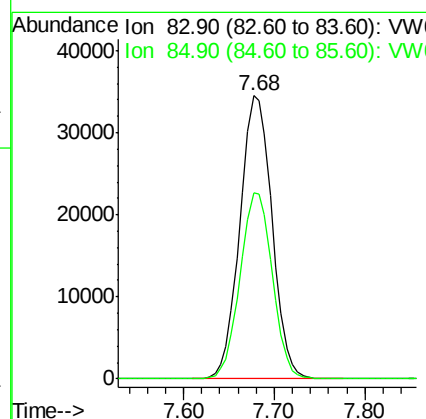
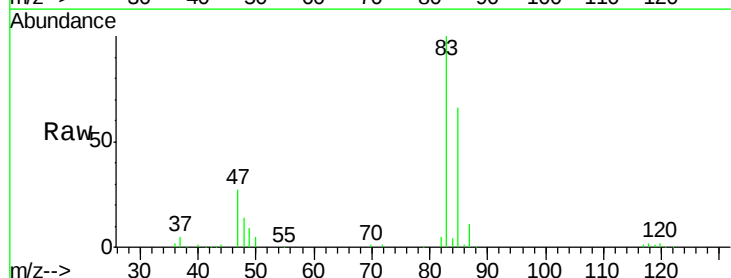
Manual Integrations
APPROVED

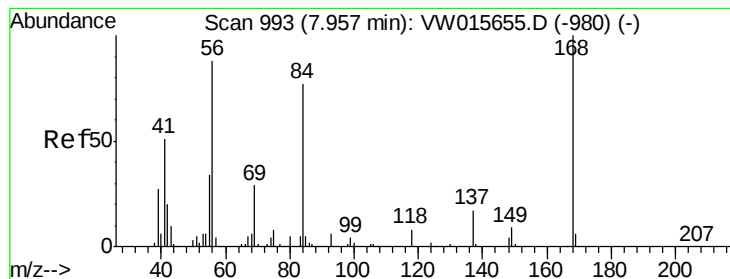
MMDadoda
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#30
Chloroform
Concen: 19.486 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.4





#31

Cyclohexane

Concen: 19.187 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

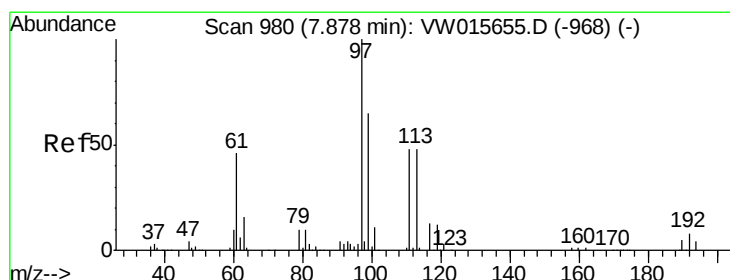
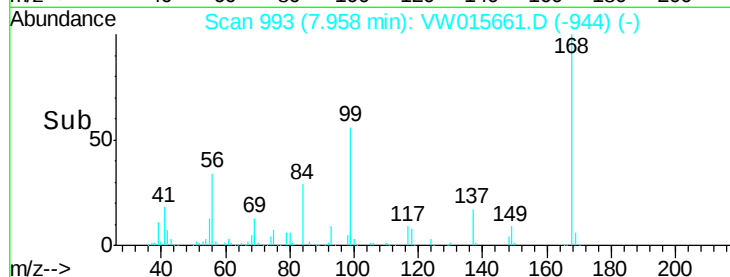
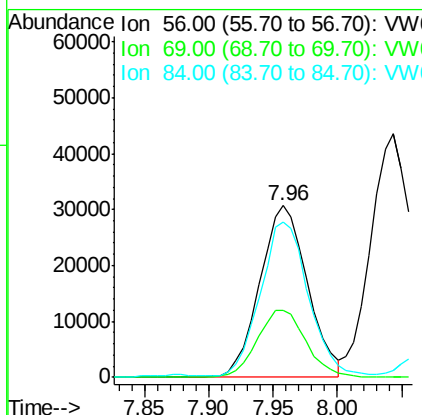
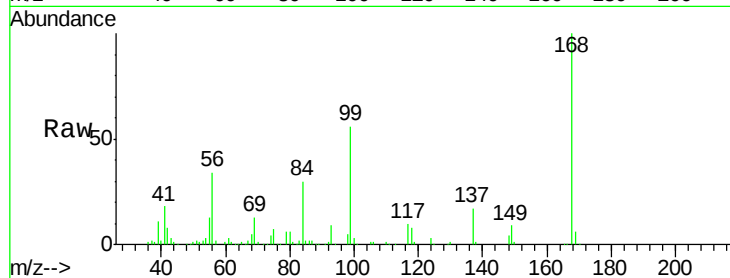
ClientSampleId :

VW0623SBS01

Tot Ion:	56	Resp:	78750
Ion Ratio	Lower	Upper	
56	100		
69	39.0	26.2	39.4
84	89.0	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 19.815 ug/l

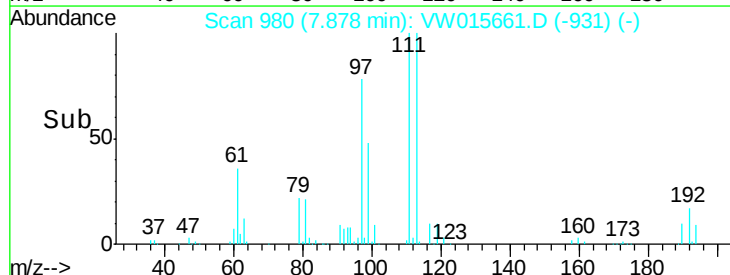
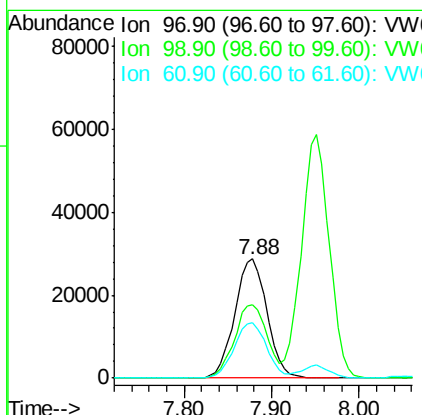
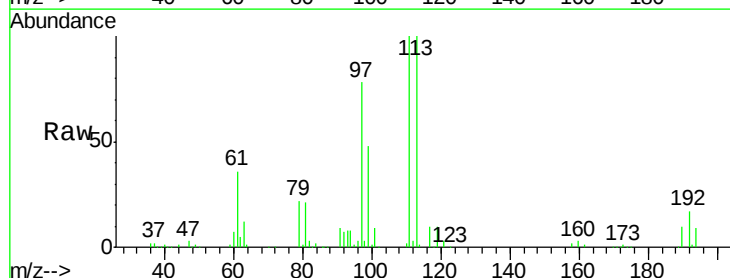
RT: 7.88 min Scan# 980

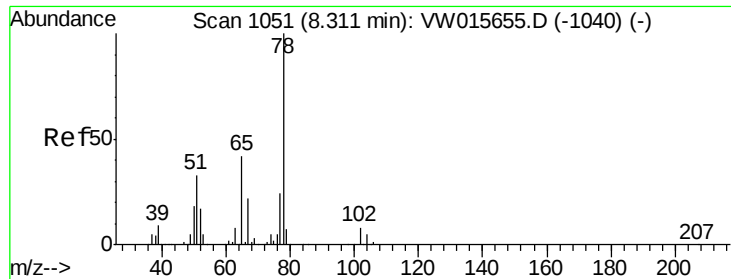
Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Tgt Ion:	97	Resp:	73501
Ion Ratio	Lower	Upper	
97	100		
99	62.4	51.9	77.9
61	47.3	37.3	55.9





#33

1,2-Dichloroethane-d4

Concen: 50.214 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 65 Resp: 119646

Ion Ratio Lower Upper

65 100

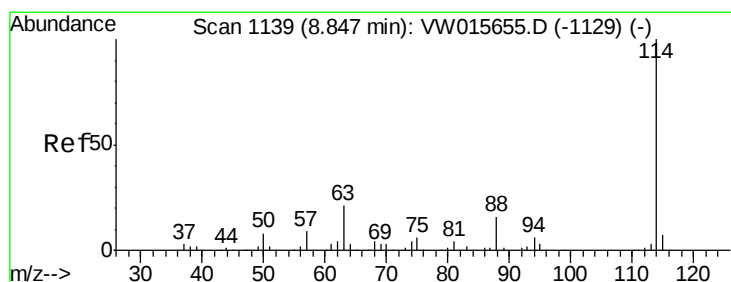
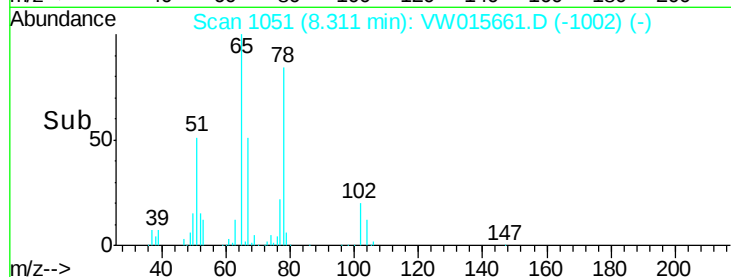
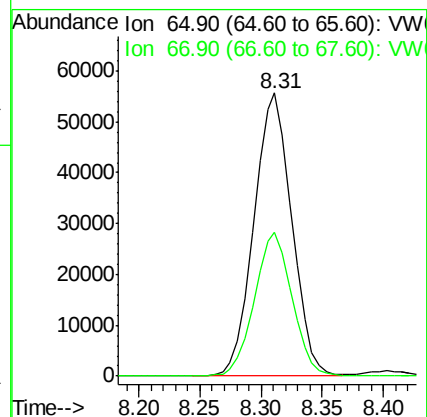
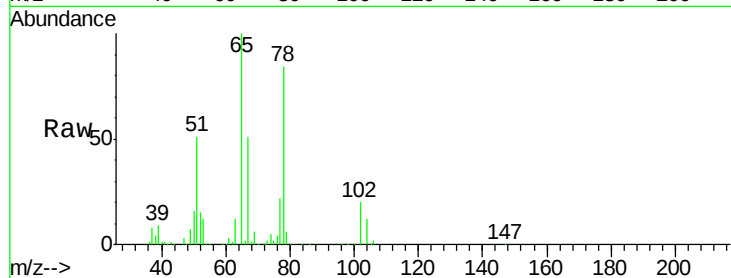
67 50.5 0.0 102.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

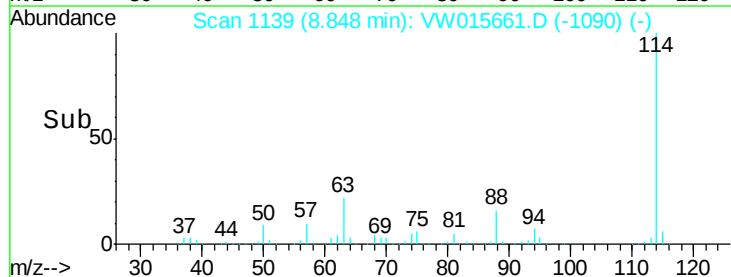
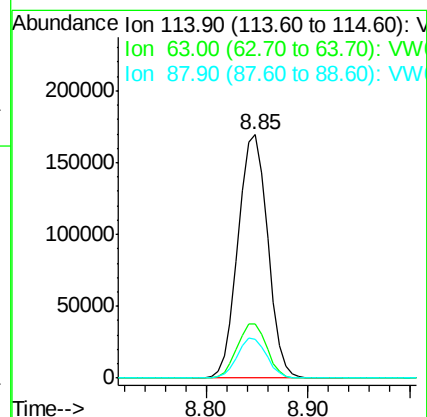
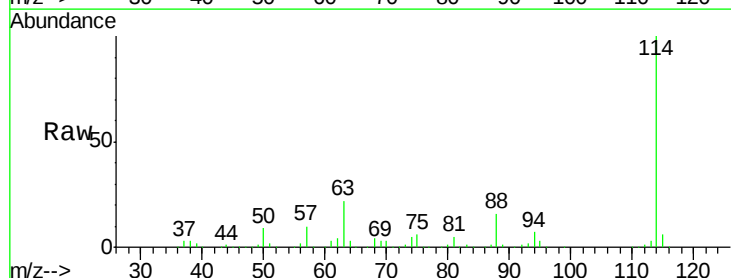
Tgt Ion: 114 Resp: 341396

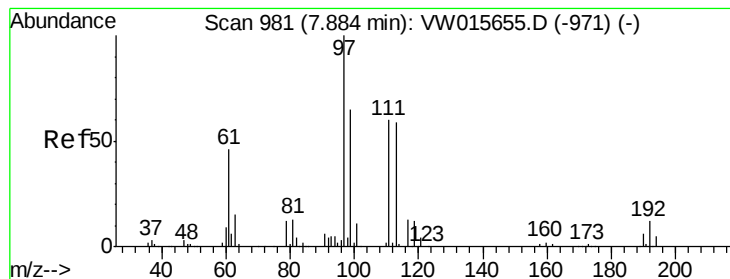
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.4

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.068 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 113 Resp: 105373

Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

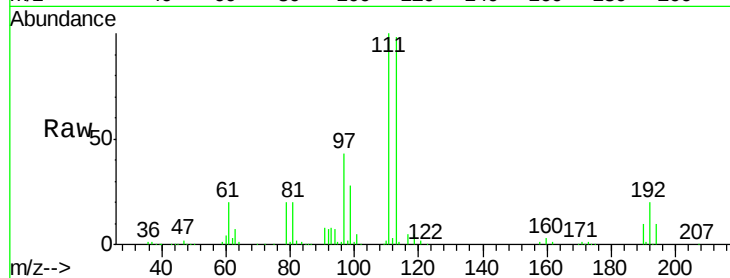
192 19.6 16.4 24.6

Manual Integrations

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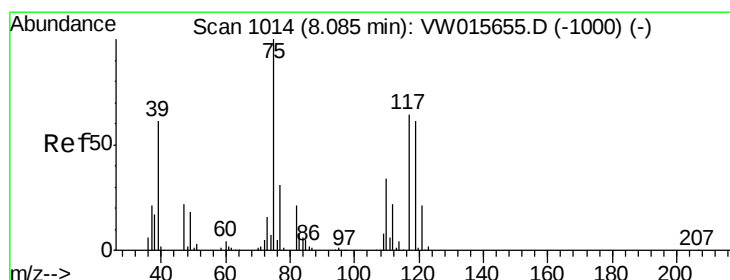
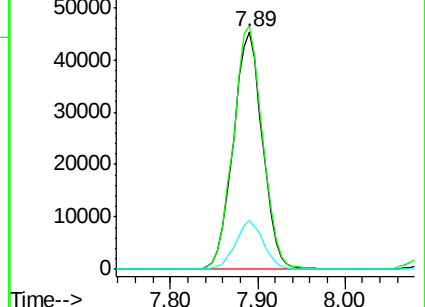
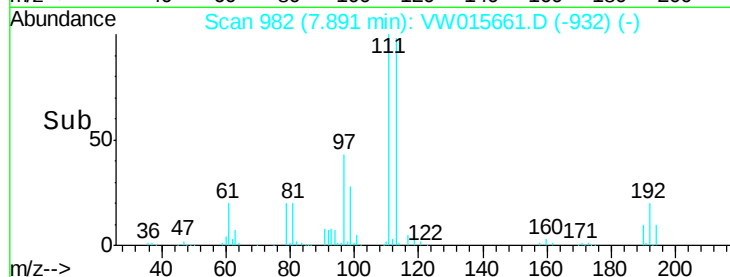
6/24/2020 10:58:23 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.655 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

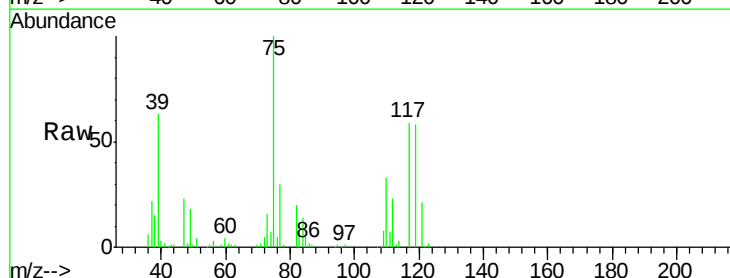
Tgt Ion: 75 Resp: 69793

Ion Ratio Lower Upper

75 100

110 34.2 17.0 51.0

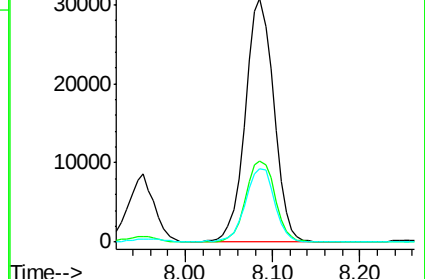
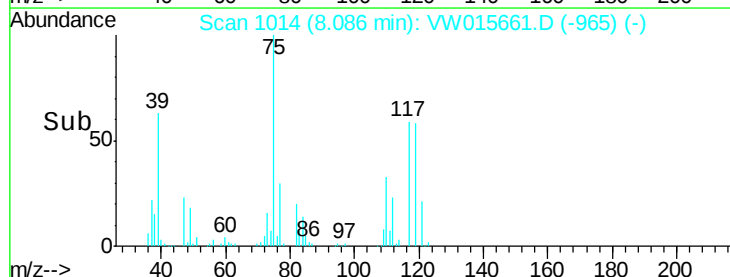
77 30.9 24.6 36.8

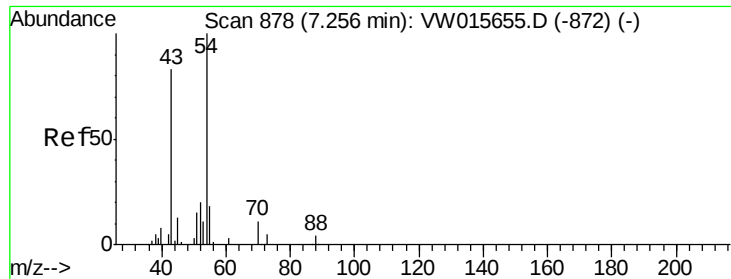


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





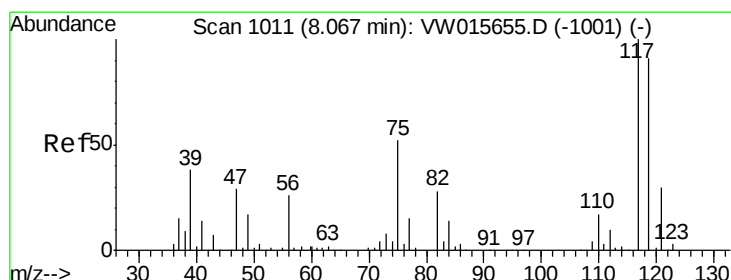
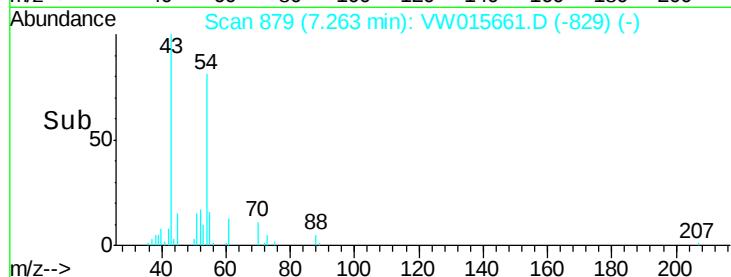
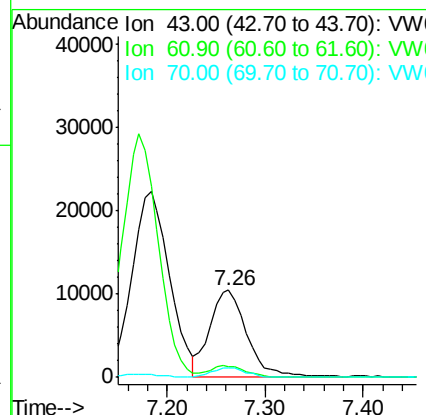
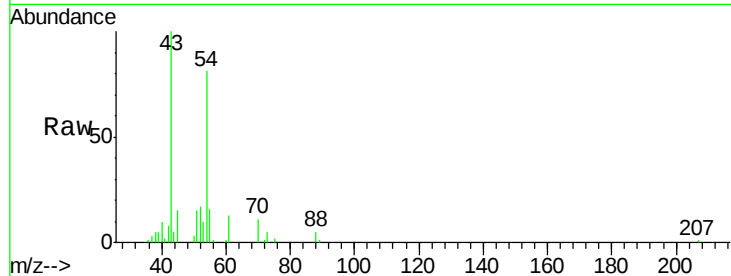
#37
Ethyl Acetate
Concen: 19.899 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	10.2	8.4	12.6

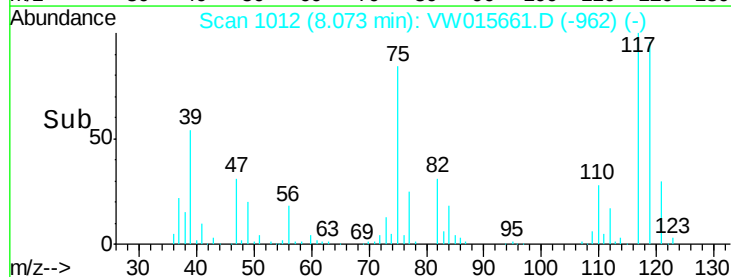
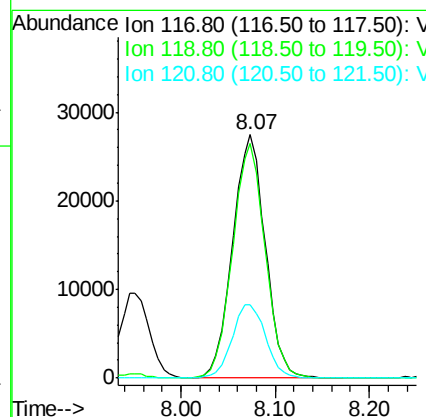
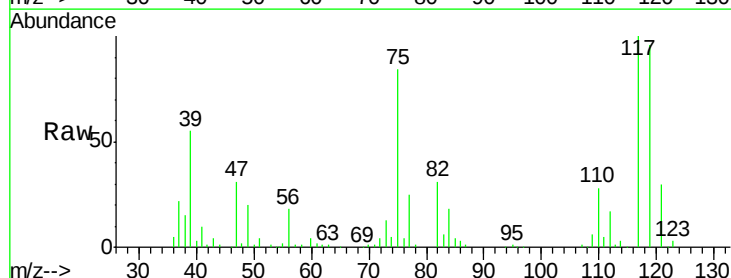
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#38
Carbon Tetrachloride
Concen: 19.252 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.2	109.8
121	30.1	23.9	35.9





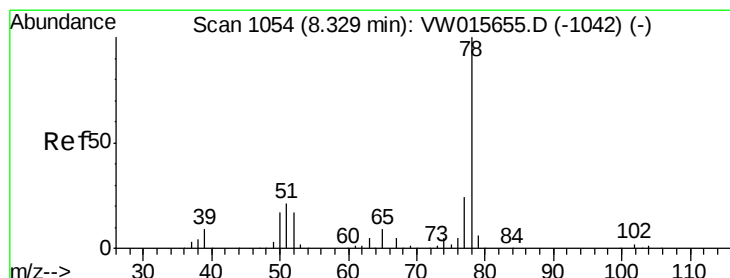
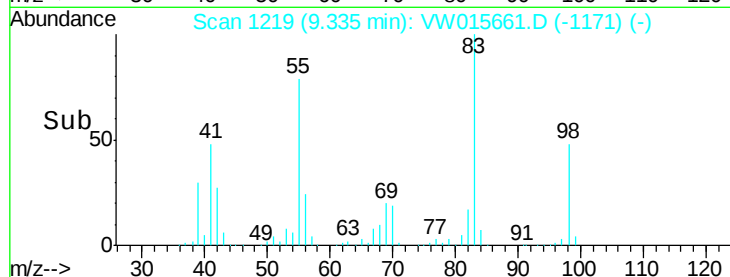
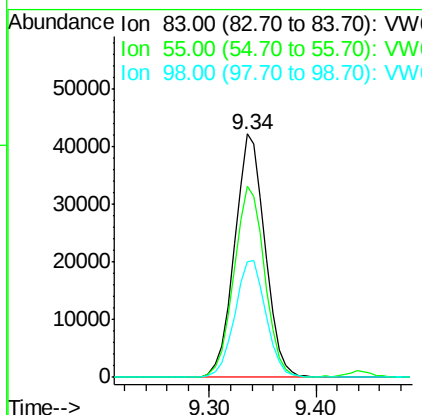
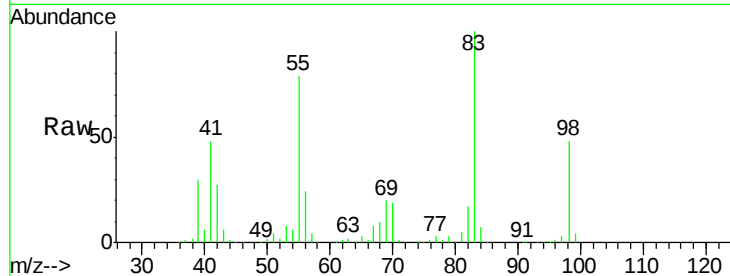
#39
Methvlcvclohexane
Concen: 19.675 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	62.8	94.2
98	47.6	39.9	59.9

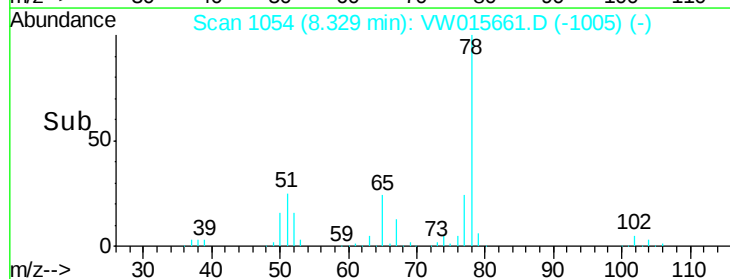
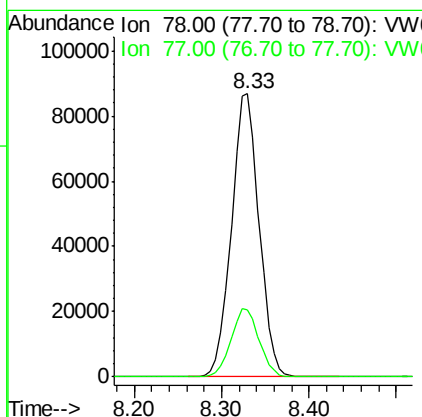
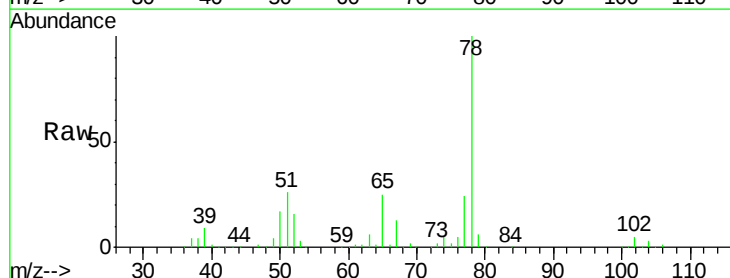
Manual Integrations
APPROVED

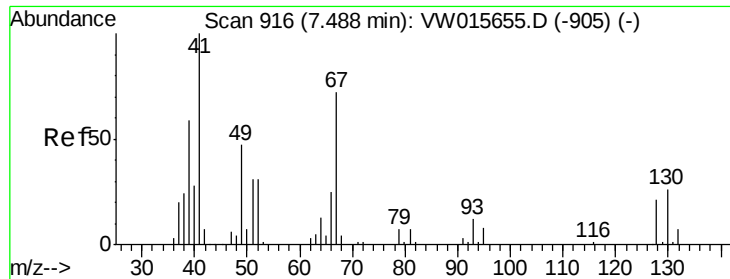
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#40
Benzene
Concen: 19.768 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9





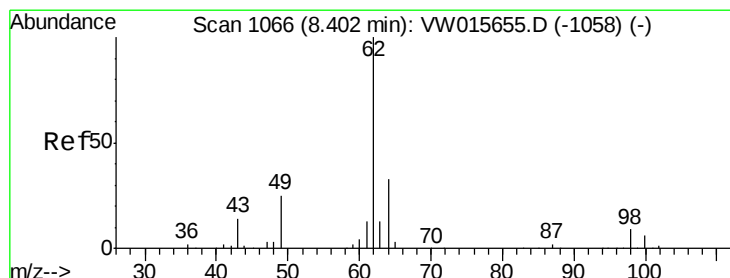
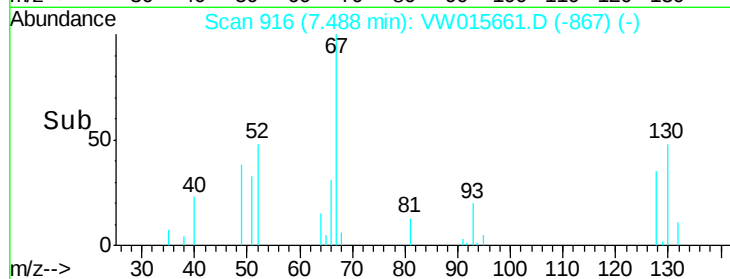
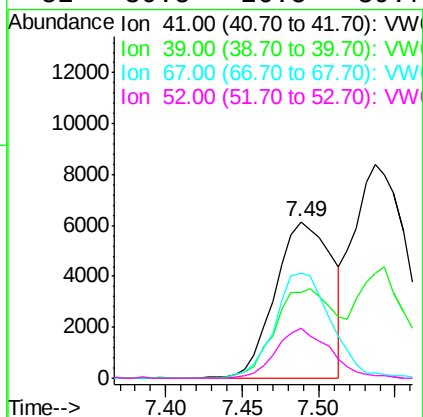
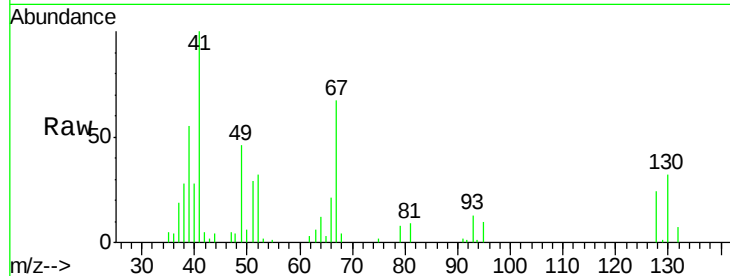
#41
Methacrylonitrile
Concen: 20.484 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	41	Resp	15939
Ion	Ratio	Lower	Upper
41	100		
39	63.3	52.0	78.0
67	66.5	57.5	86.3
52	30.5	26.5	39.7

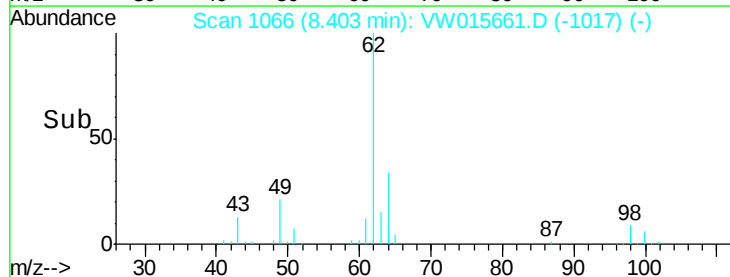
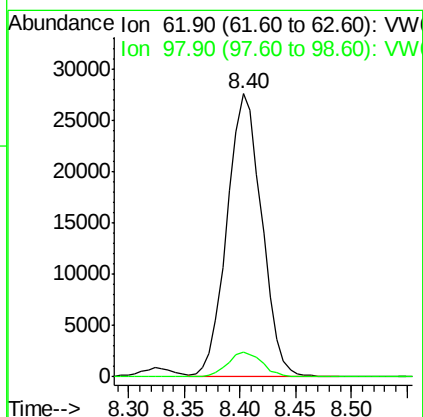
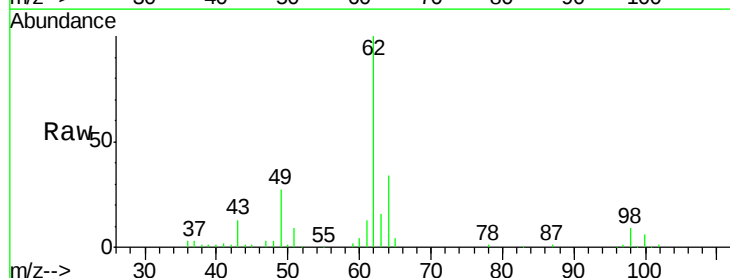
Manual Integrations
APPROVED

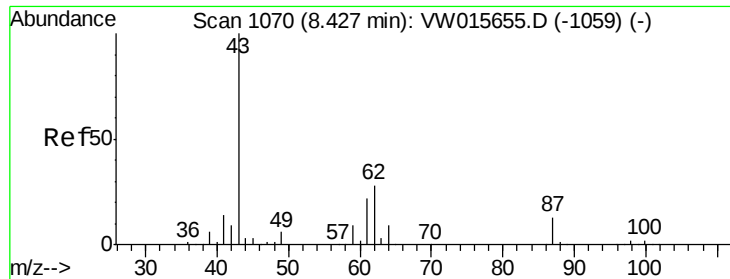
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.997 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	62	Resp	59728
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





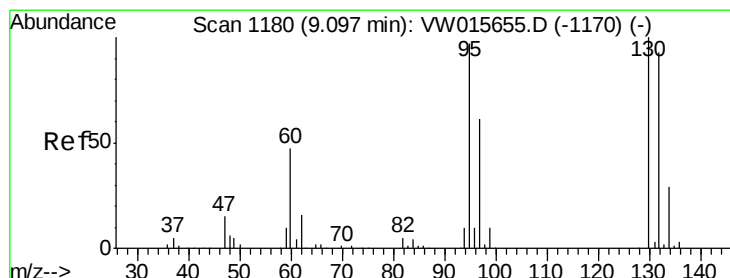
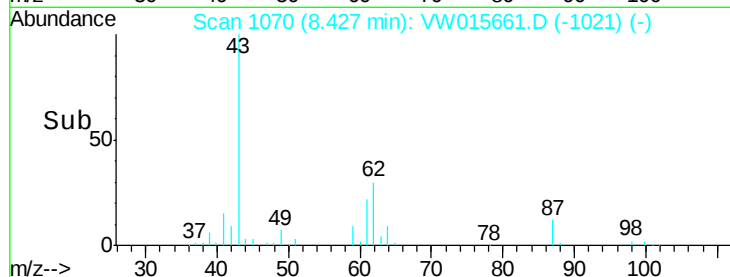
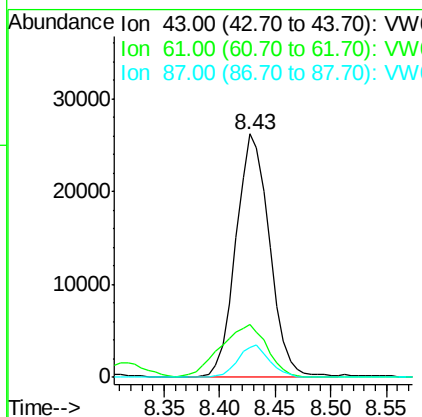
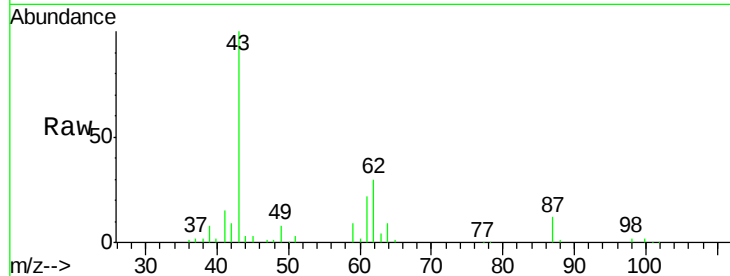
#43
Isopropyl Acetate
Concen: 20.195 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.7	37.1
87	12.6	10.2	15.2

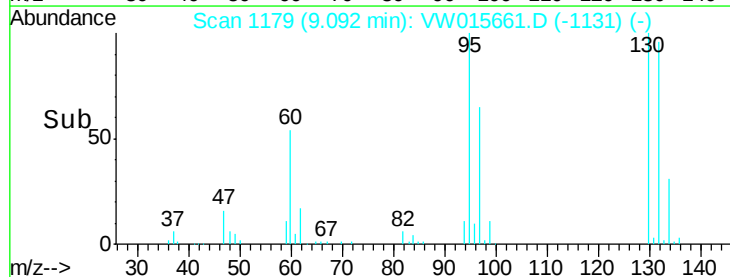
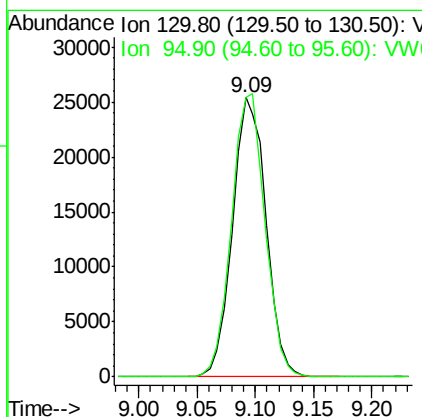
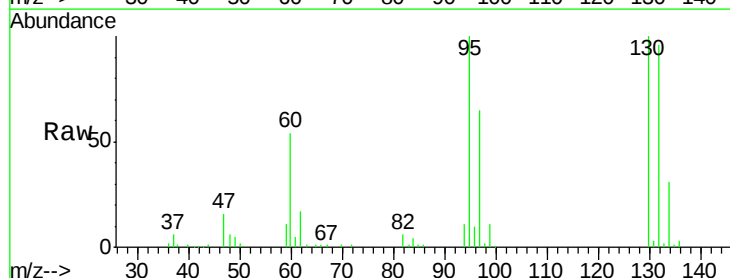
Manual Integrations
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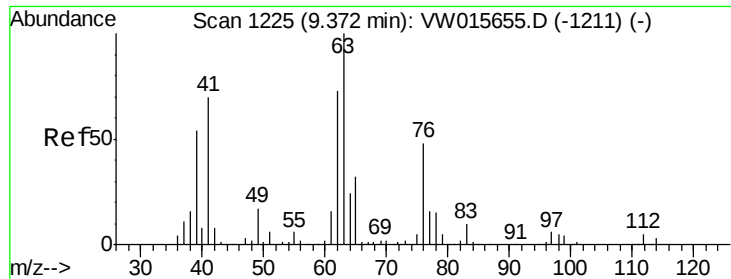
MMDadoda
6/24/2020 10:58:23 AM



#44
Trichloroethene
Concen: 19.560 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	194.4





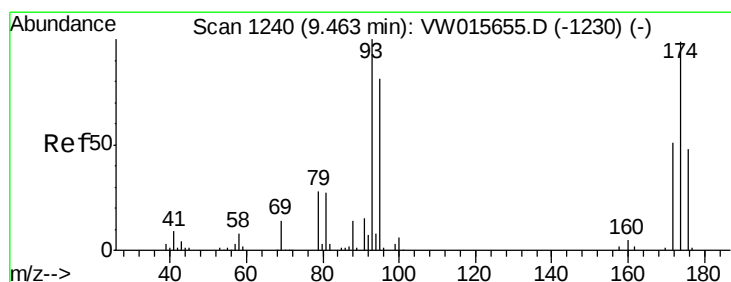
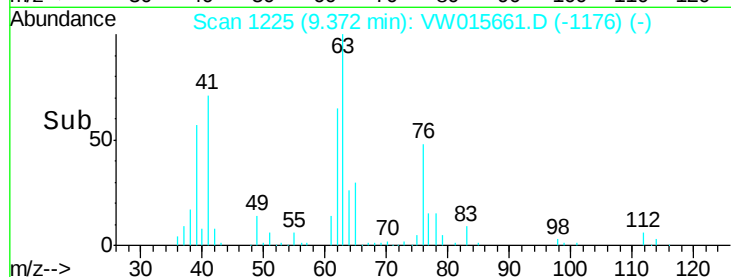
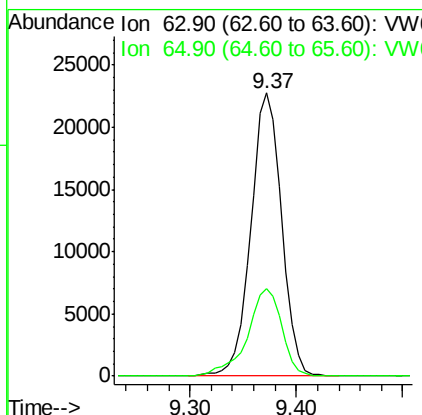
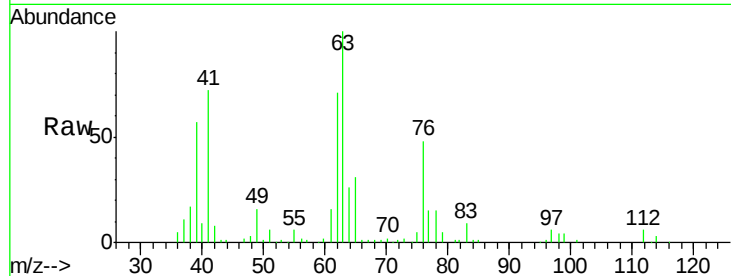
#45
 1,2-Dichloropropane
 Concen: 19.526 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion: 63 Resp: 46082
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.3 37.9

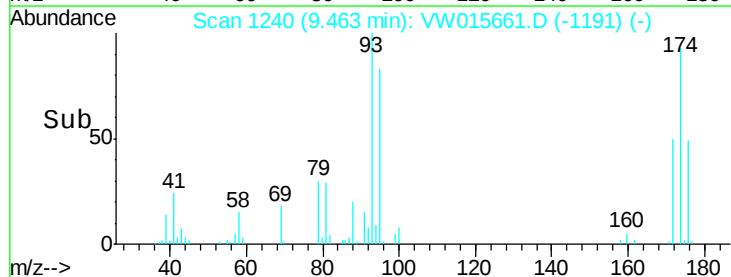
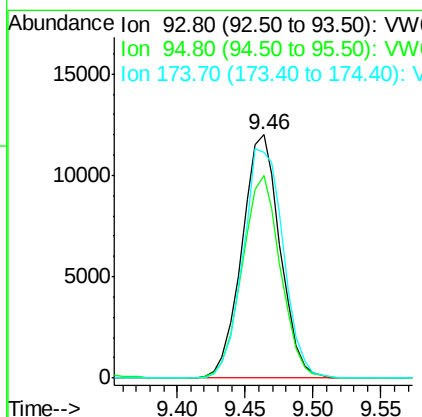
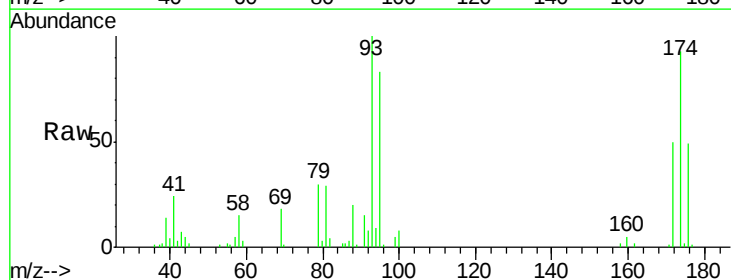
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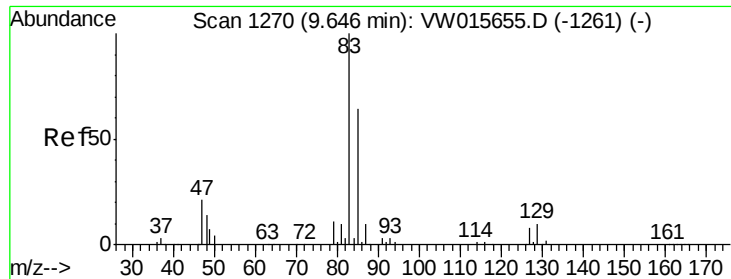
MMDadoda
 6/24/2020 10:58:23 AM



#46
 Dibromomethane
 Concen: 19.346 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion: 93 Resp: 23622
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.7 98.5
 174 99.3 79.0 118.6





#47

Bromodichloromethane

Concen: 19.447 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

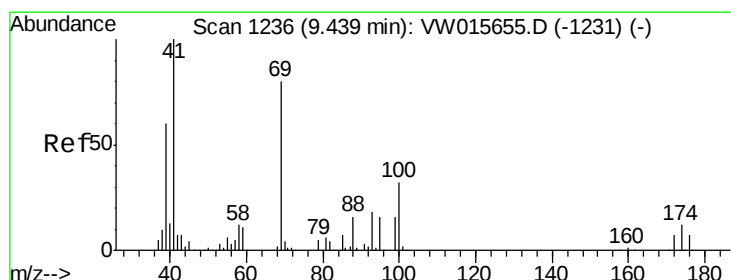
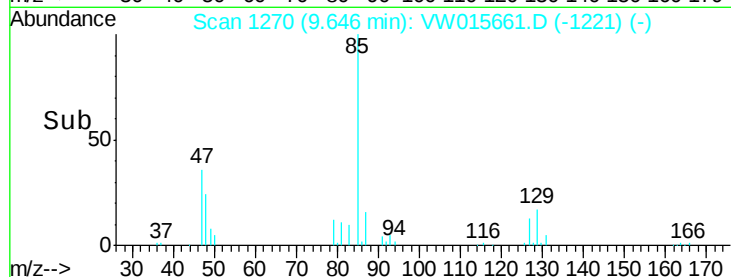
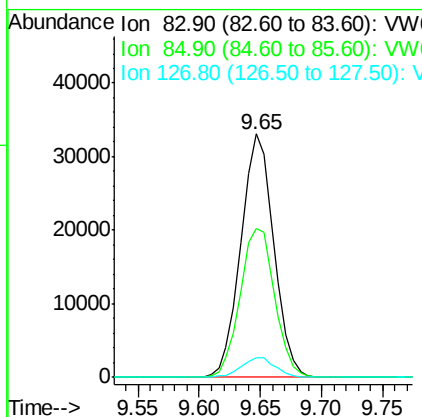
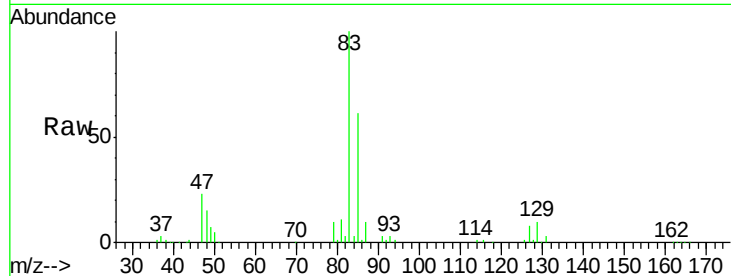
ClientSampleId :

VW0623SBS01

Tot Ion:	83	Resp:	61938
Ion	Ratio	Lower	Upper
83	100		
85	61.1	50.8	76.2
127	8.2	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.296 ug/l

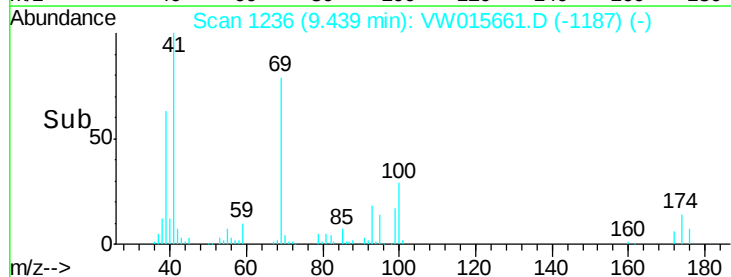
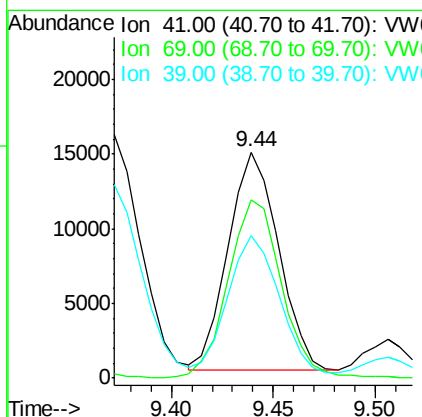
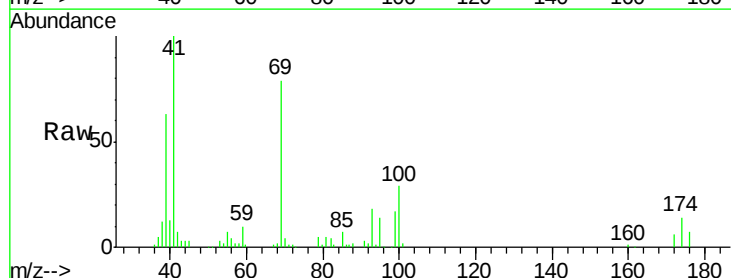
RT: 9.44 min Scan# 1236

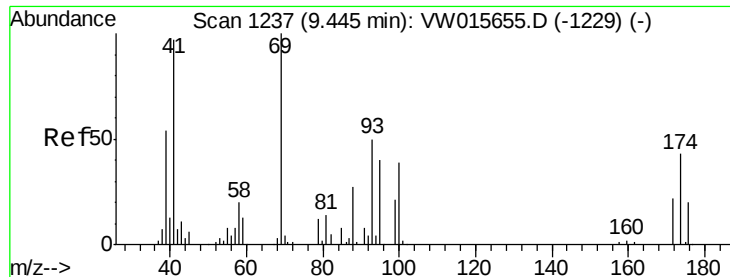
Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Tgt Ion:	41	Resp:	25105
Ion	Ratio	Lower	Upper
41	100		
69	87.0	68.2	102.2
39	63.3	49.8	74.6





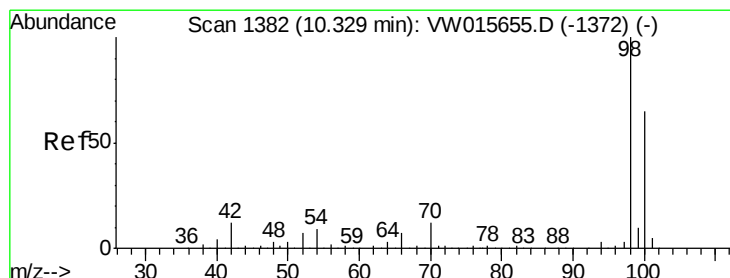
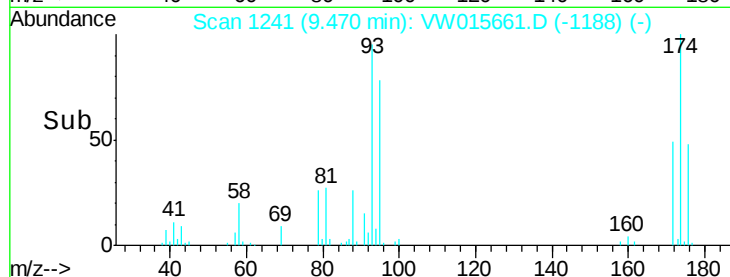
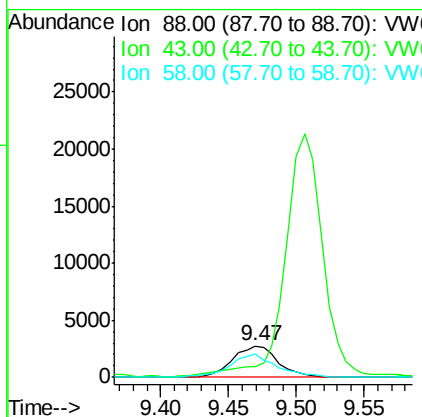
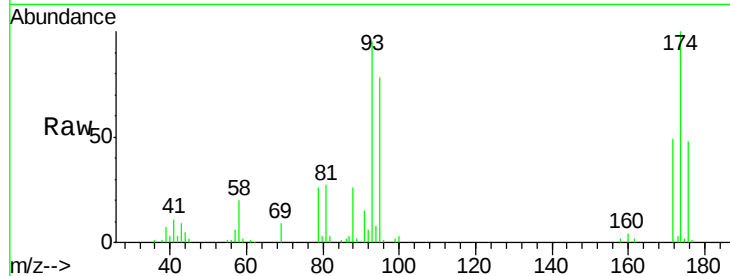
#49
1,4-Dioxane
Concen: 399.609 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	76.0	56.1	84.1

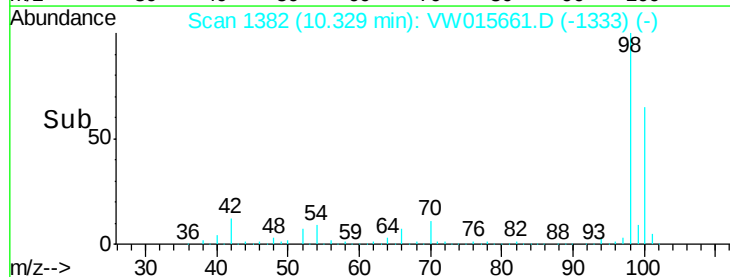
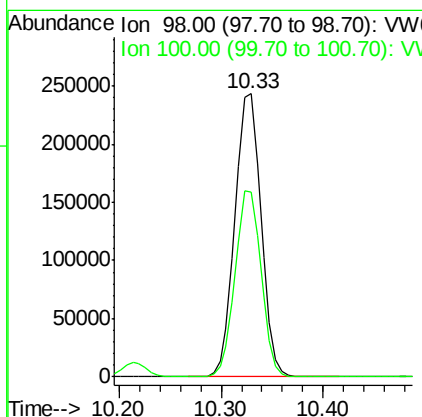
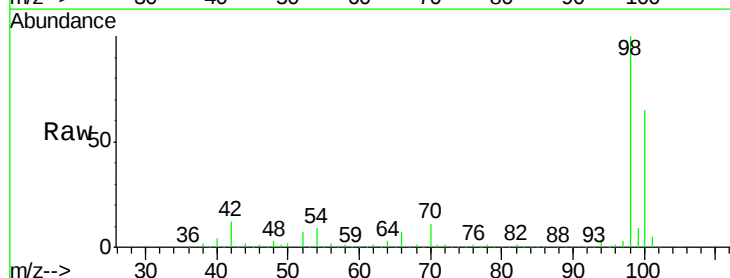
Manual Integrations
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#50
Toluene-d8
Concen: 51.012 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 101.092 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 43 Resp: 131903

Ion Ratio Lower Upper

43 100

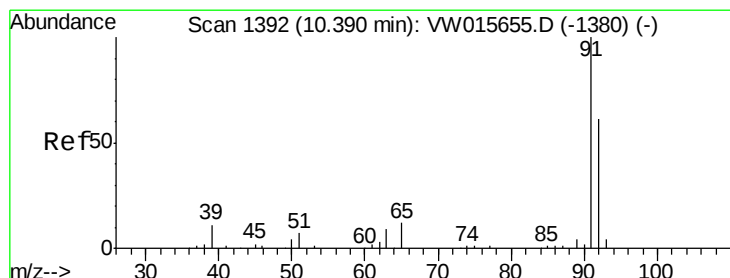
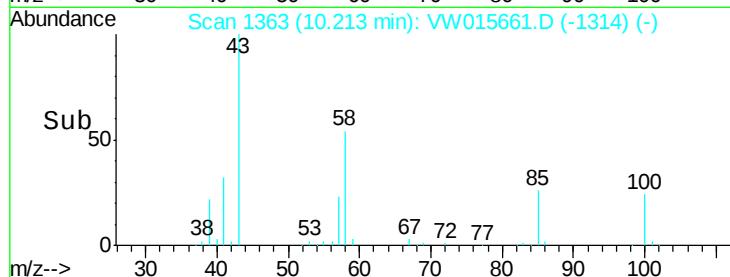
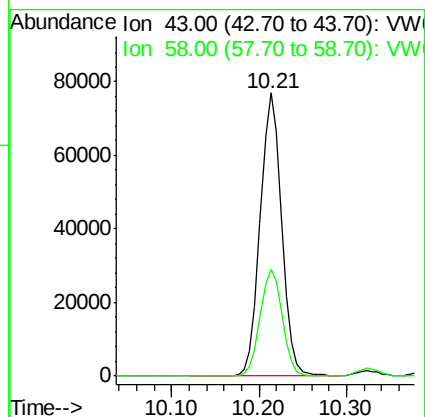
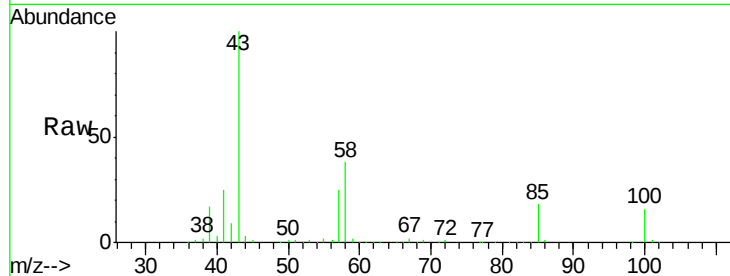
58 38.7 31.2 46.8

Manual Integrations

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#52

Toluene

Concen: 19.837 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015661.D

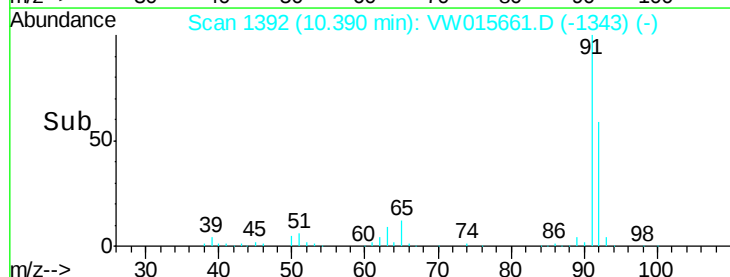
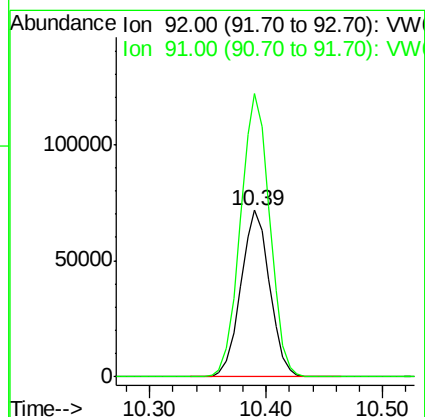
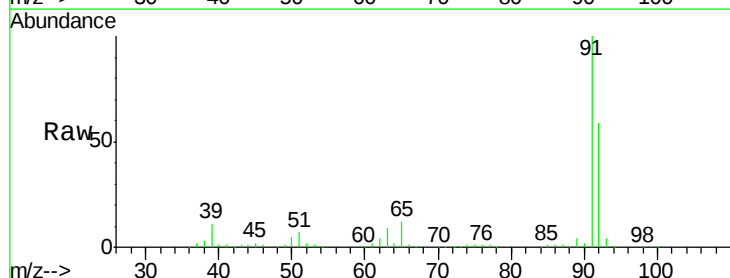
Acq: 23 Jun 2020 15:03

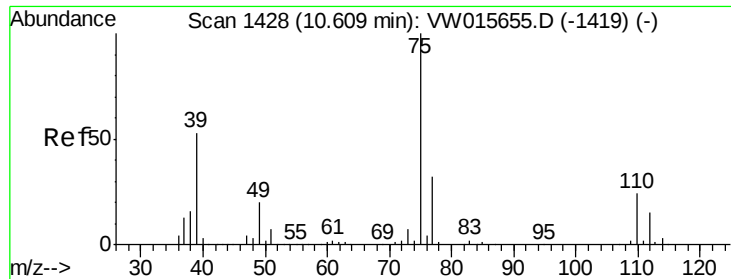
Tgt Ion: 92 Resp: 123671

Ion Ratio Lower Upper

92 100

91 172.3 135.5 203.3





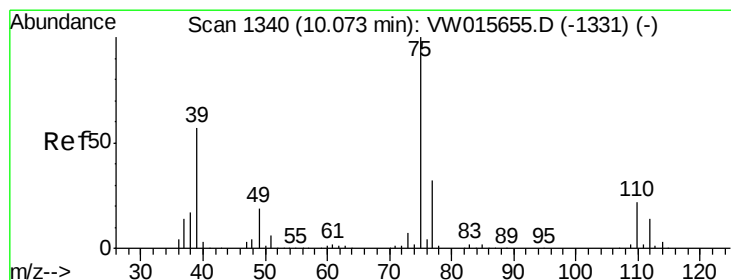
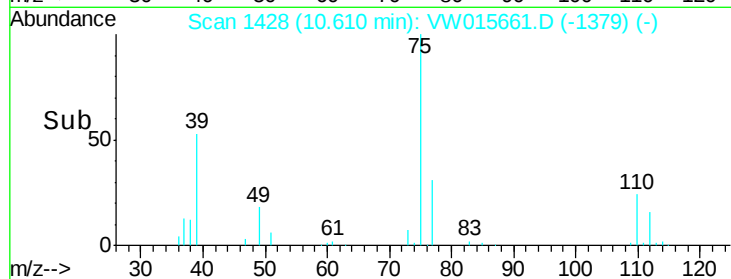
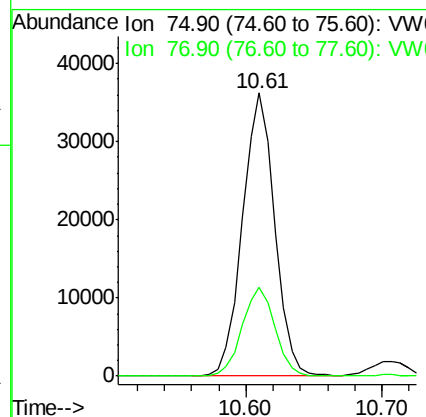
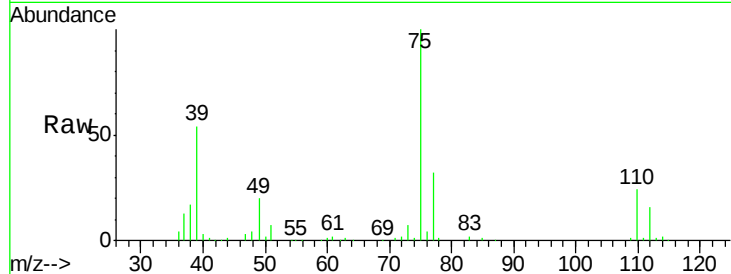
#53
t-1,3-Dichloropropene
Concen: 19.461 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 75 Resp: 59882
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

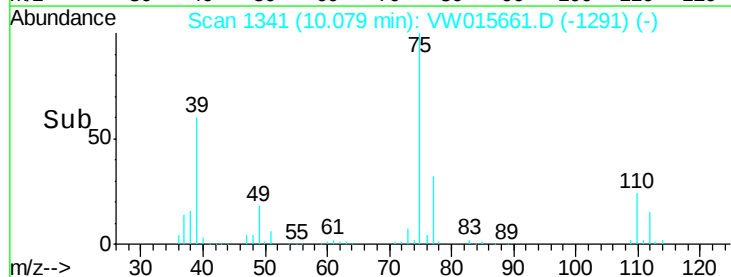
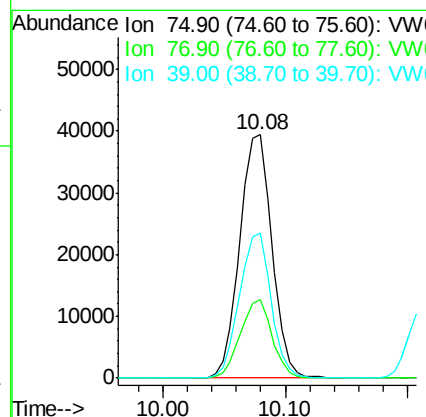
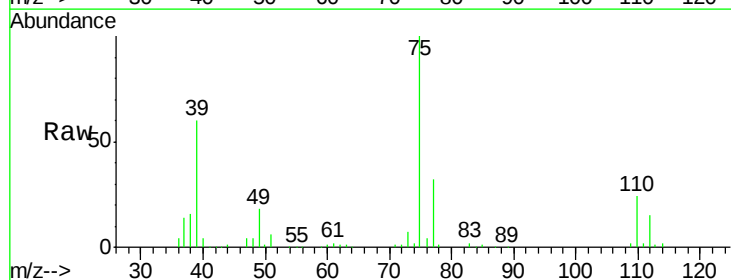
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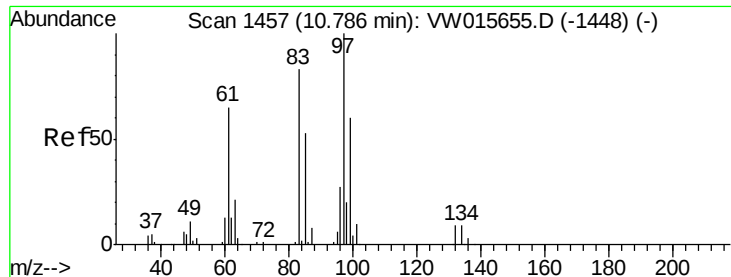
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#54
cis-1,3-Dichloropropene
Concen: 19.616 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 75 Resp: 72103
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 59.5 45.8 68.6





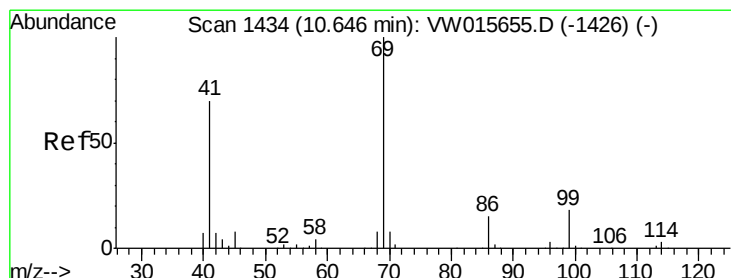
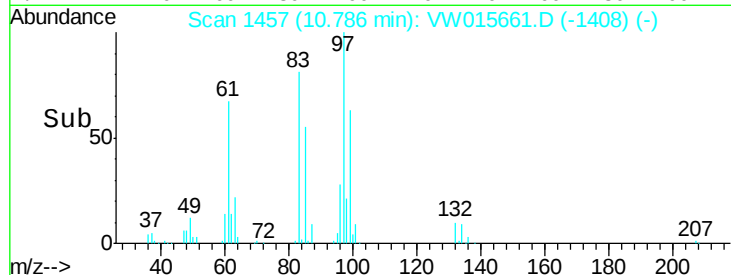
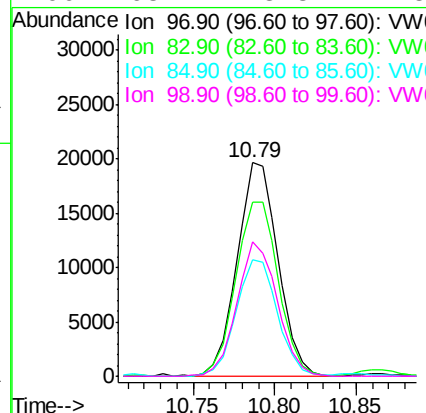
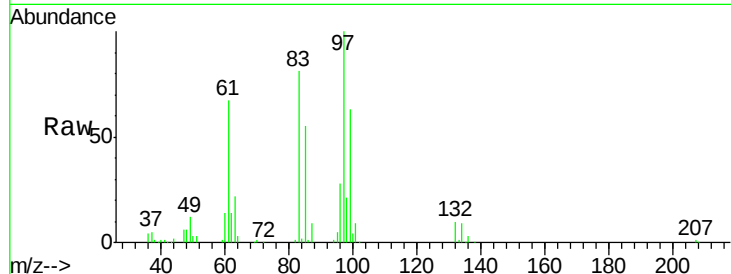
#55
 1,1,2-Trichloroethane
 Concen: 20.212 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion:	97	Resp:	34315
Ion	Ratio	Lower	Upper
97	100		
83	81.3	66.3	99.5
85	54.5	42.5	63.7
99	63.2	48.3	72.5

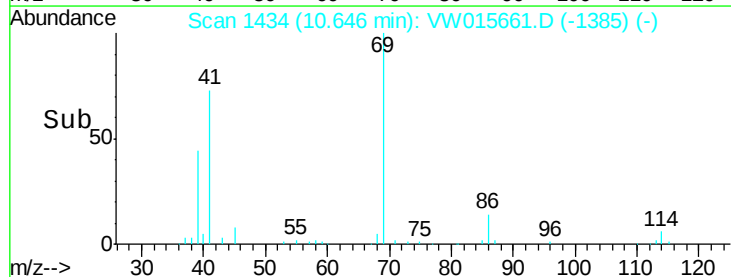
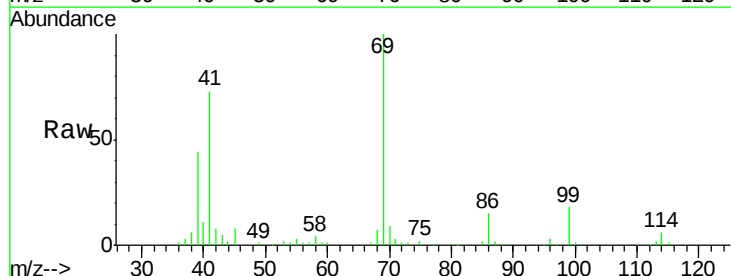
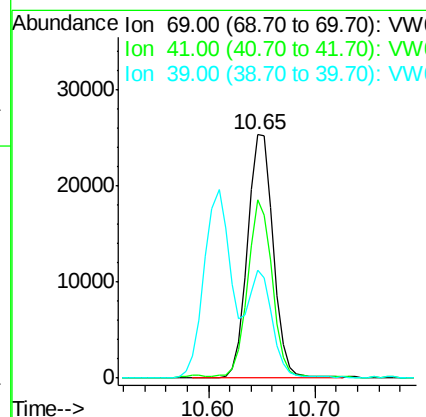
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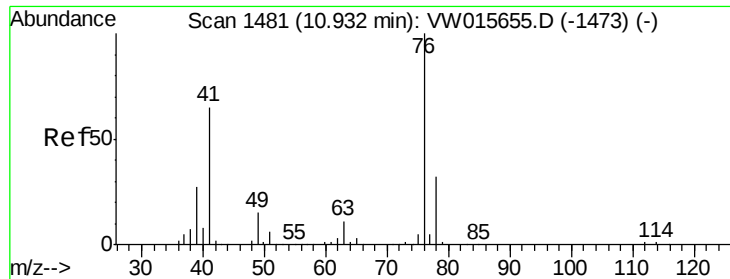
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#56
 Ethyl methacrylate
 Concen: 20.478 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion:	69	Resp:	43258
Ion	Ratio	Lower	Upper
69	100		
41	68.7	55.8	83.6
39	35.9	29.5	44.3





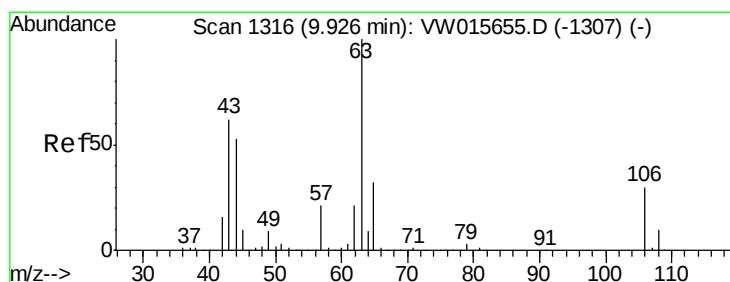
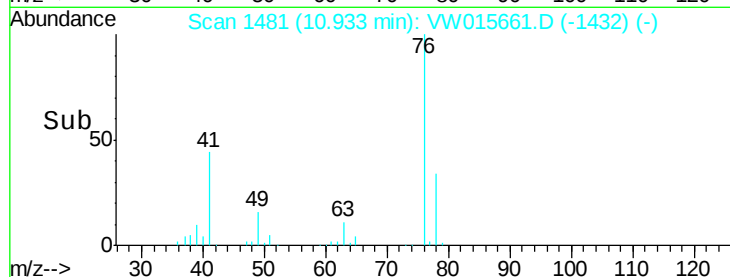
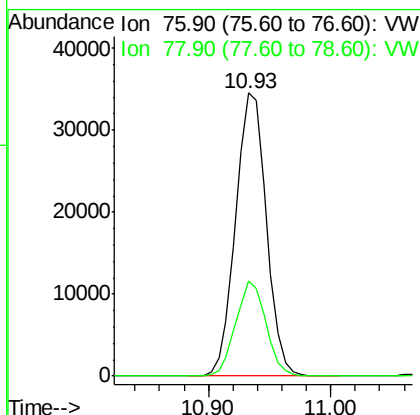
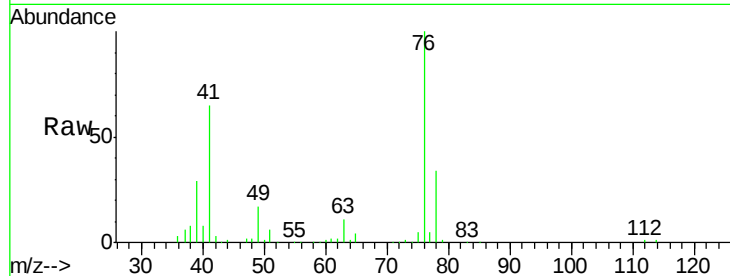
#57
 1,3-Dichloropropane
 Concen: 19.962 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion: 76 Resp: 60082
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2

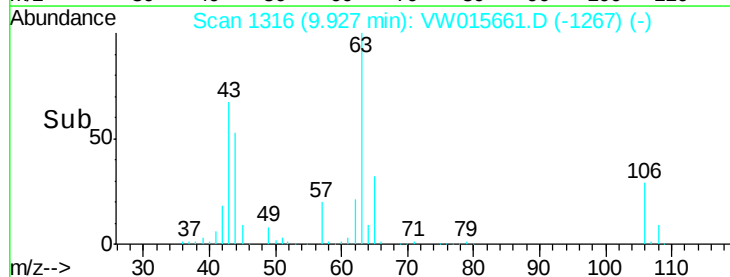
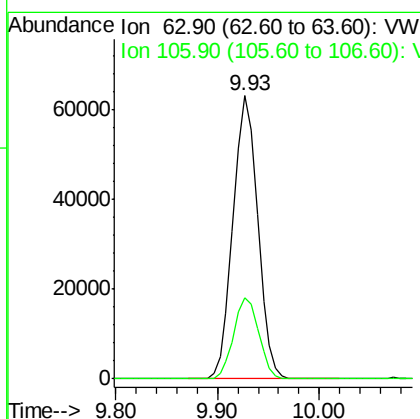
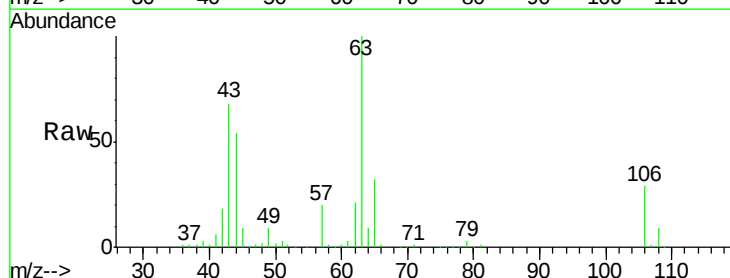
Manual Integrations
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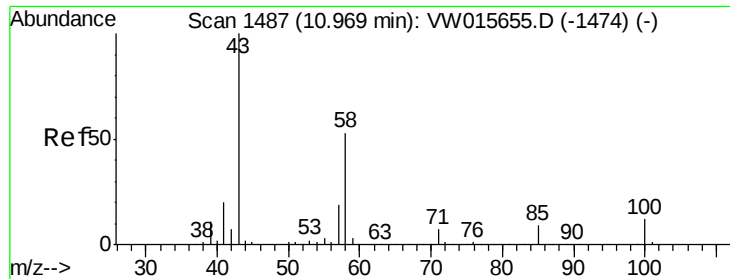
MMDadoda
 6/24/2020 10:58:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.934 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion: 63 Resp: 105895
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.3 34.9





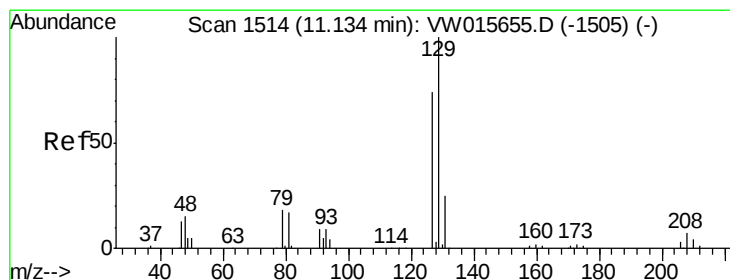
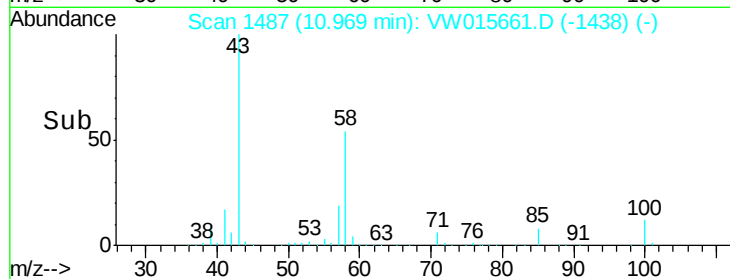
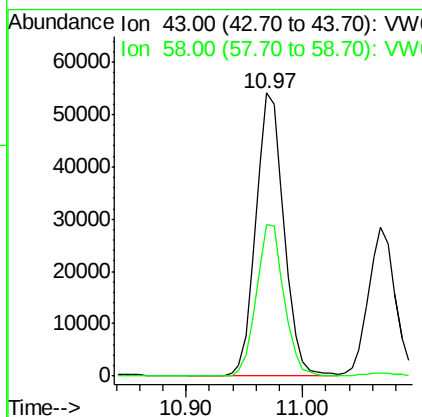
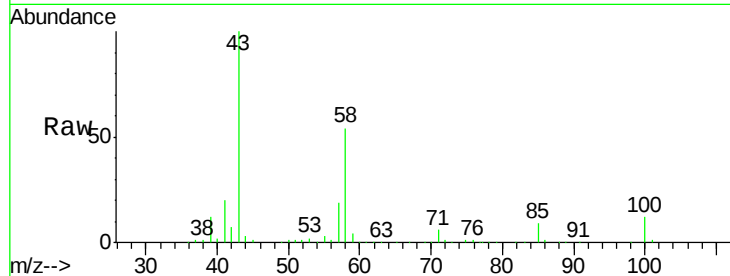
#59
2-Hexanone
Concen: 102.153 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 43 Resp: 90741
Ion Ratio Lower Upper
43 100
58 52.9 26.5 79.4

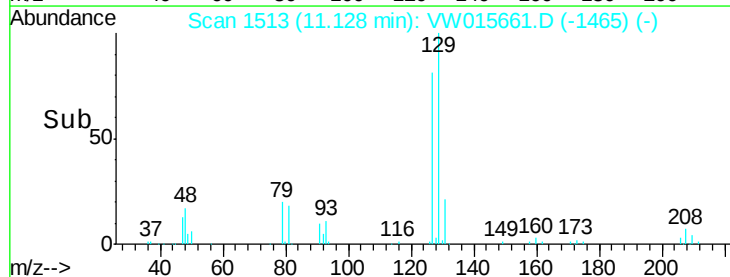
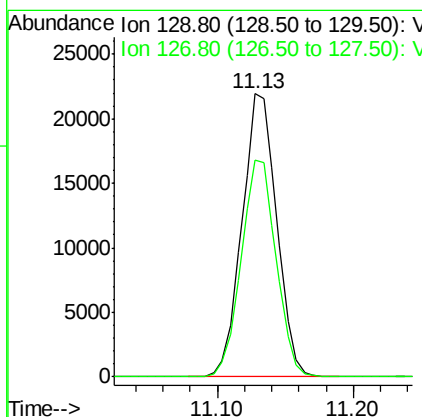
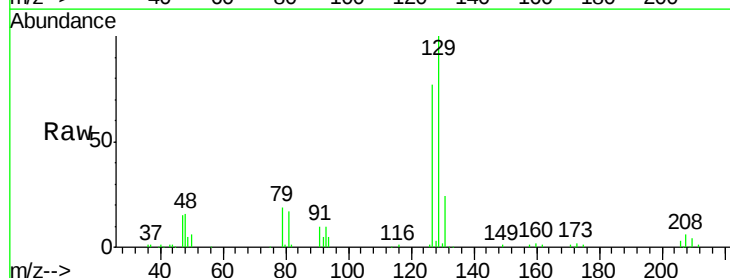
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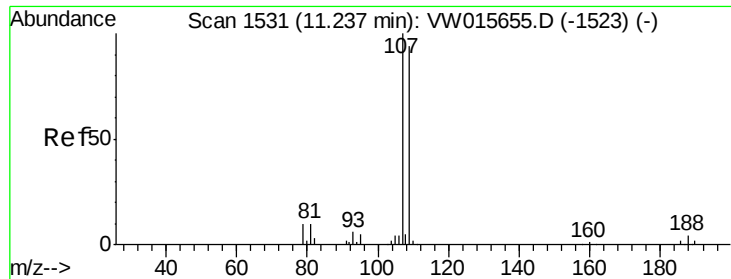
MMDadoda
6/24/2020 10:58:23 AM



#60
Dibromochloromethane
Concen: 19.788 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 129 Resp: 39148
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.1





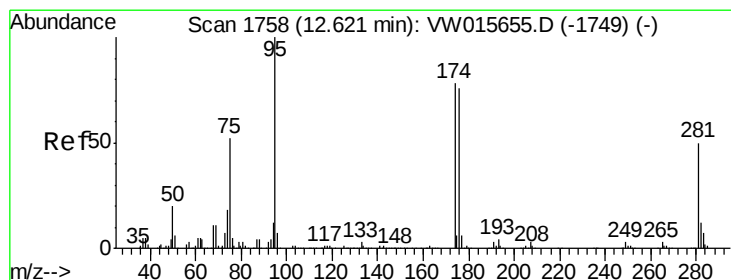
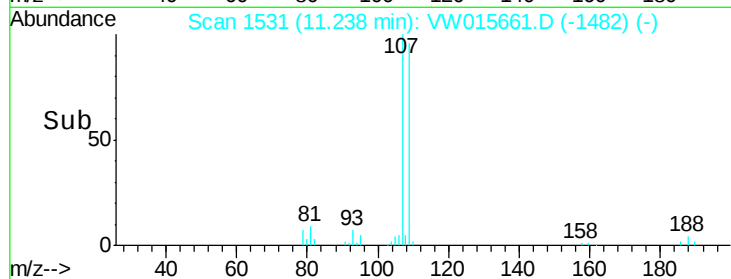
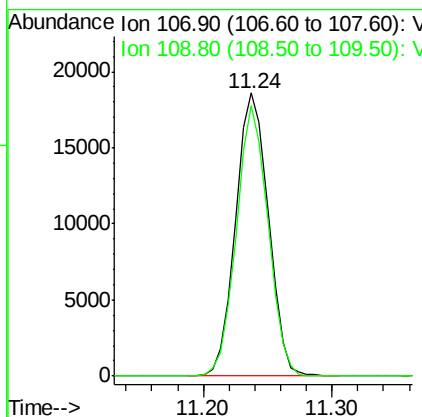
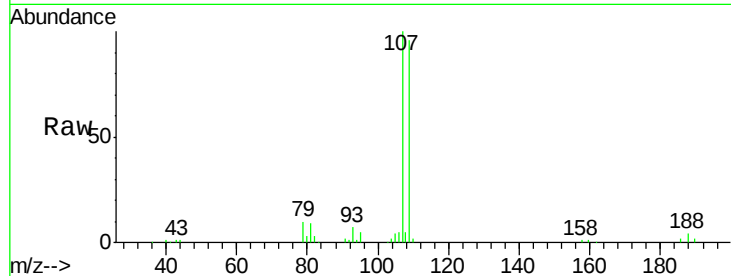
#61
 1,2-Dibromoethane
 Concen: 20.217 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.9	112.3

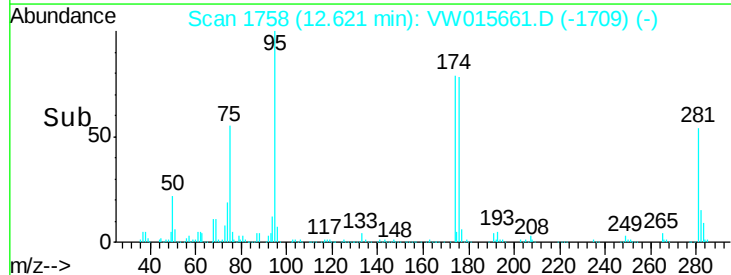
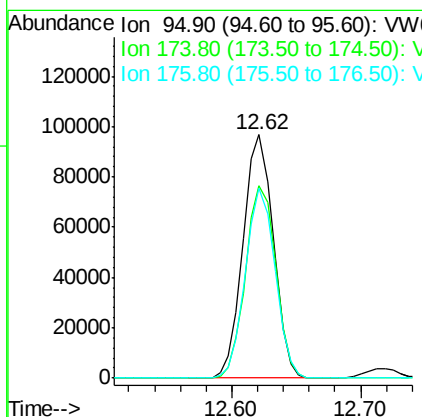
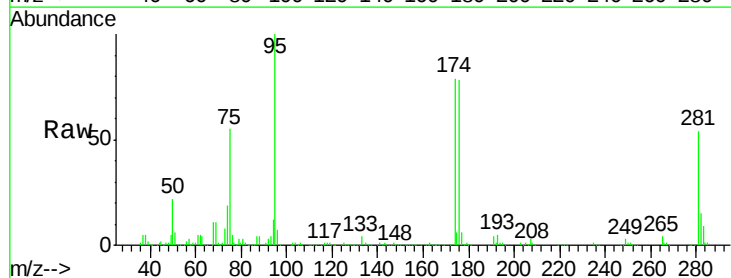
Manual Integrations
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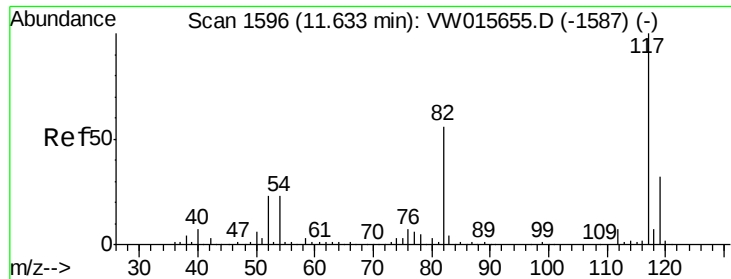
MMDadoda
 6/24/2020 10:58:23 AM



#62
 4-Bromofluorobenzene
 Concen: 50.577 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	157.0
176	76.3	0.0	151.4





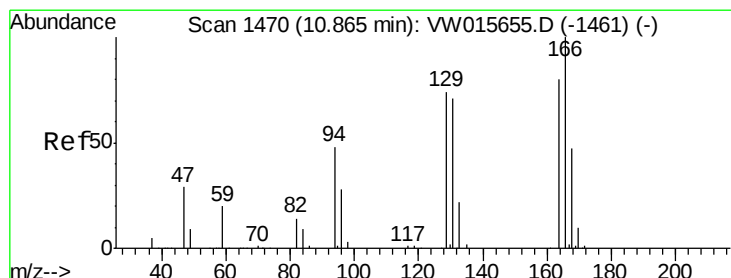
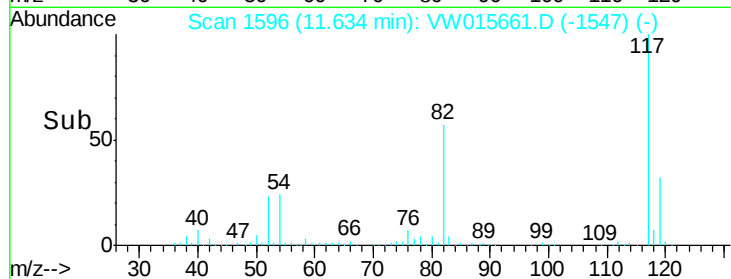
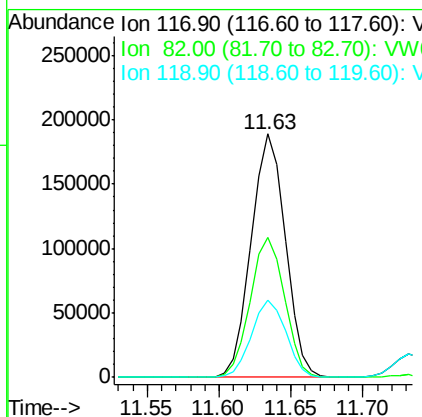
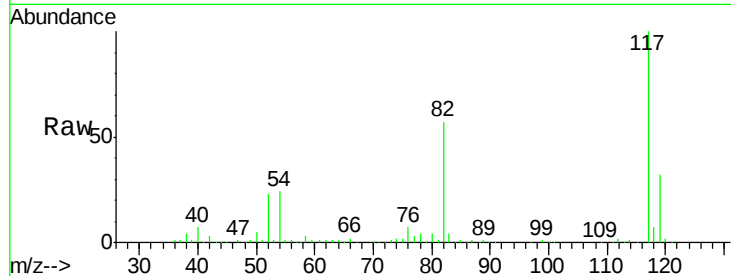
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.1	67.7
119	32.0	25.8	38.8

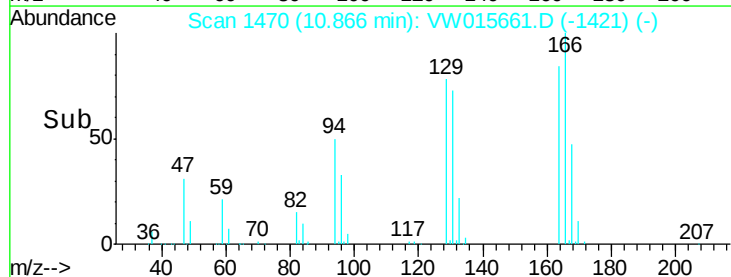
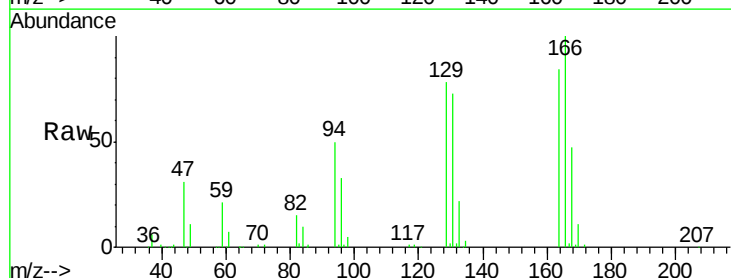
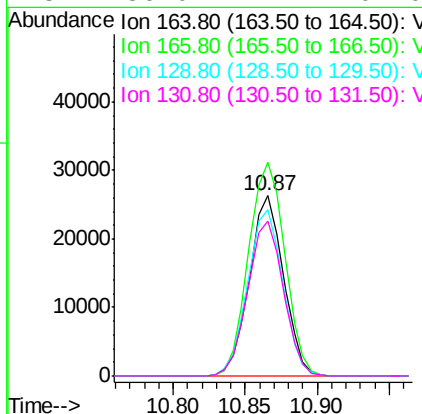
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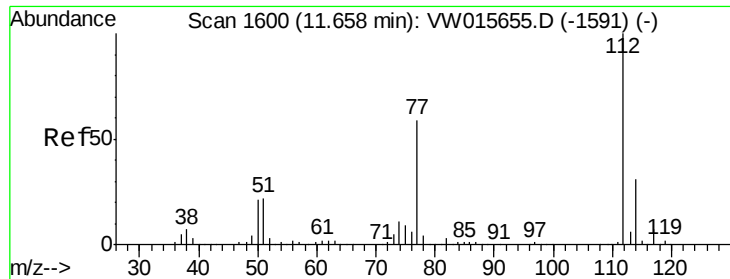
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#64
Tetrachloroethene
Concen: 19.851 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.5	99.9	149.9
129	92.5	74.2	111.2
131	86.0	71.4	107.0





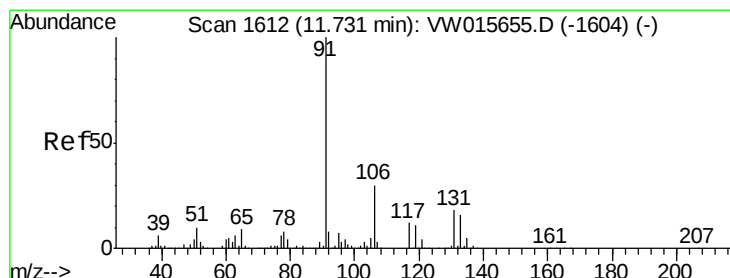
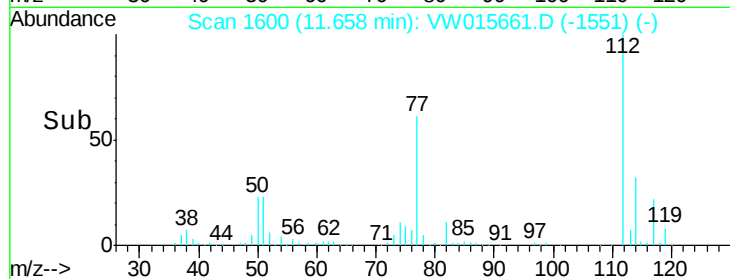
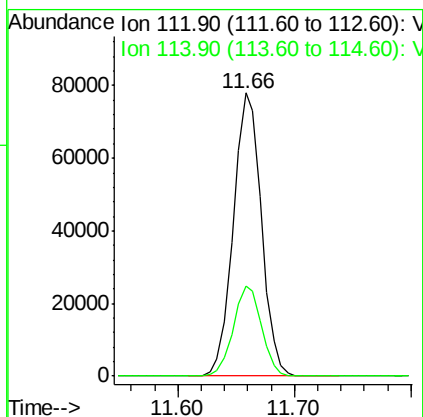
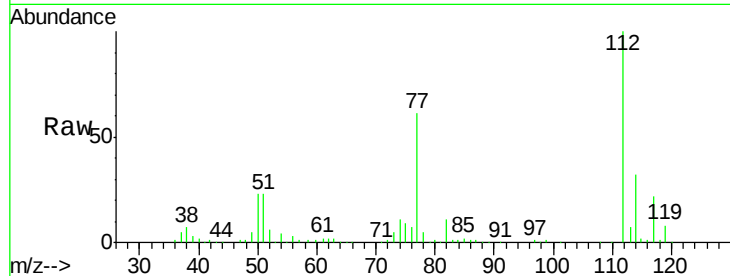
#65
Chlorobenzene
Concen: 19.979 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion:112 Resp: 130720
Ion Ratio Lower Upper
112 100
114 31.7 24.9 37.3

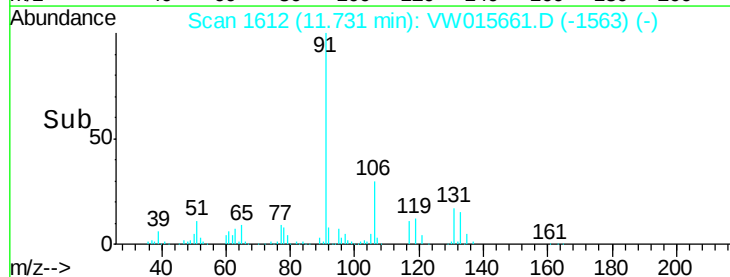
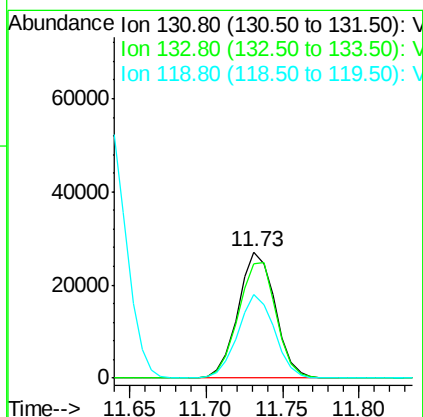
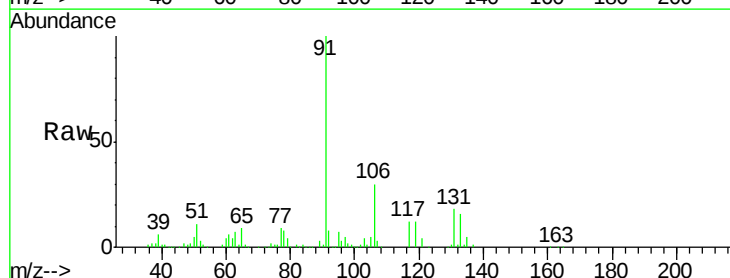
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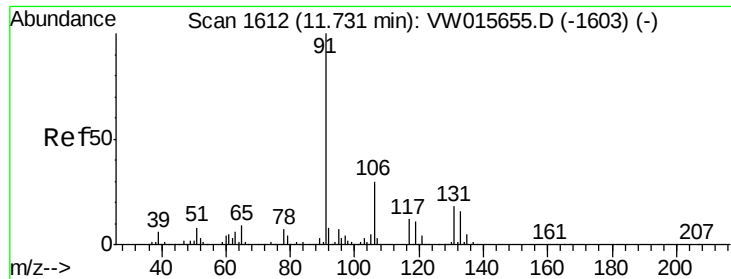
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.804 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion:131 Resp: 45432
Ion Ratio Lower Upper
131 100
133 94.0 46.5 139.5
119 65.6 32.5 97.5





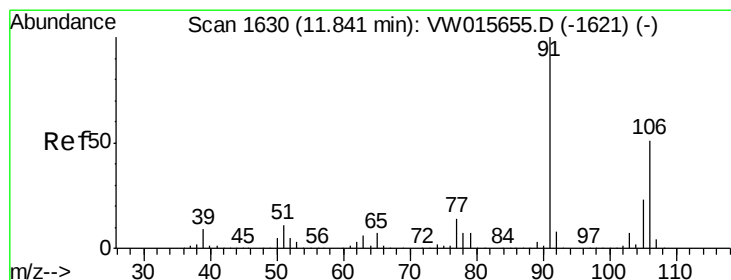
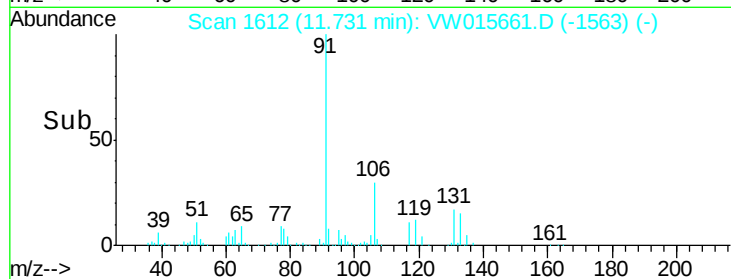
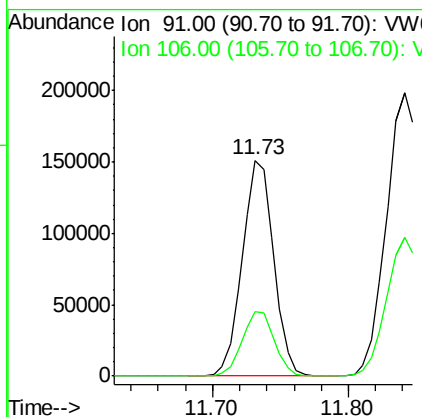
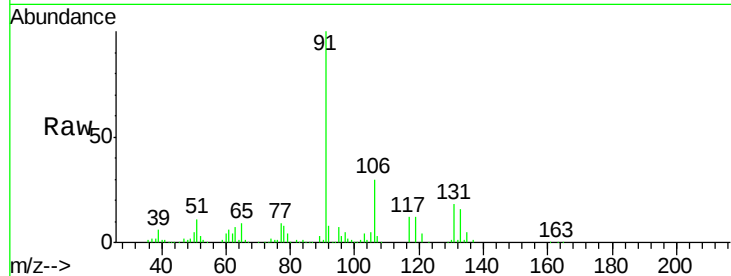
#67
Ethyl Benzene
Concen: 20.053 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 91 Resp: 244188
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1

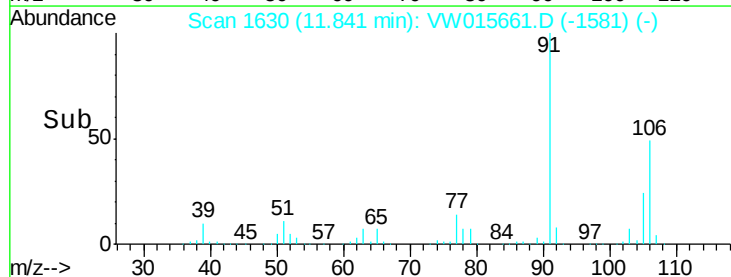
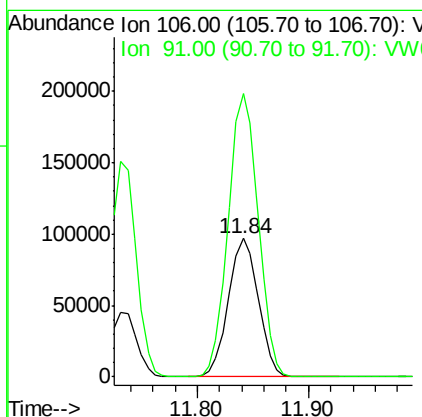
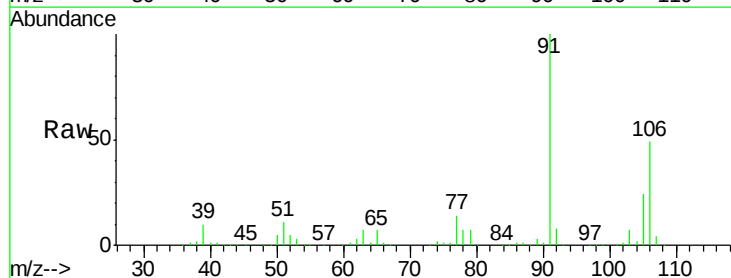
Manual Integrations
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#68
m/p-Xylenes
Concen: 39.449 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 106 Resp: 180378
Ion Ratio Lower Upper
106 100
91 204.8 162.6 244.0





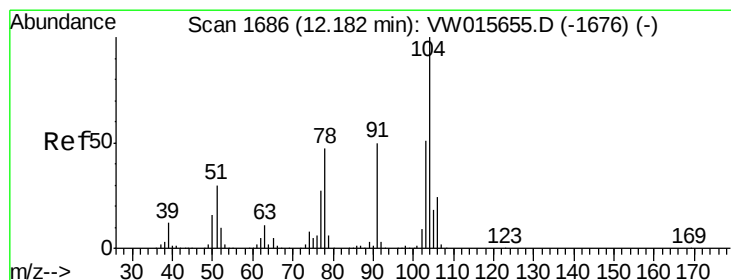
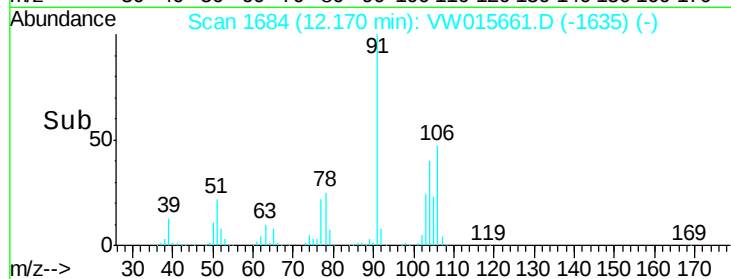
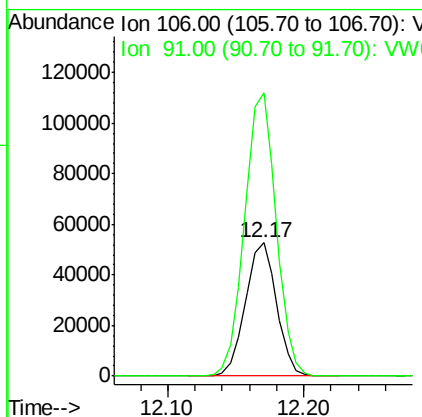
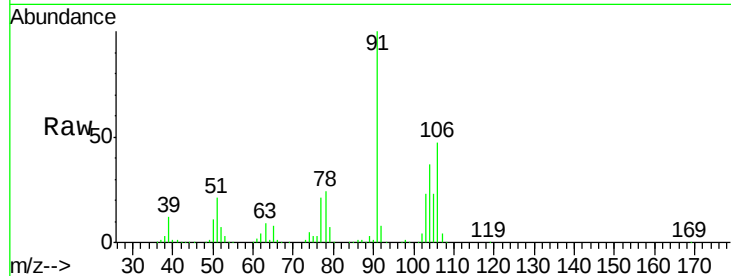
#69
o-Xylene
Concen: 20.155 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion:106 Resp: 84734
Ion Ratio Lower Upper
106 100
91 215.0 108.3 324.9

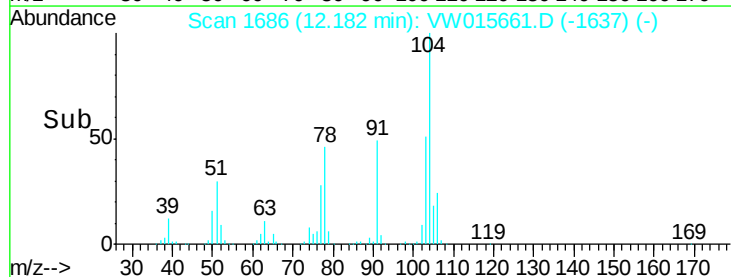
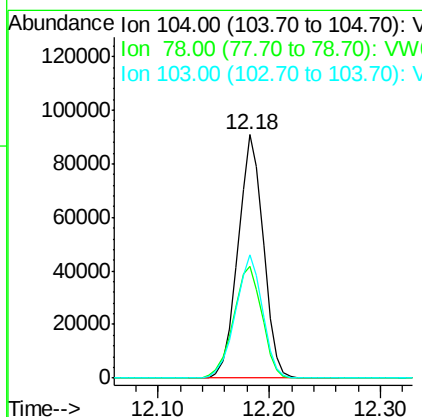
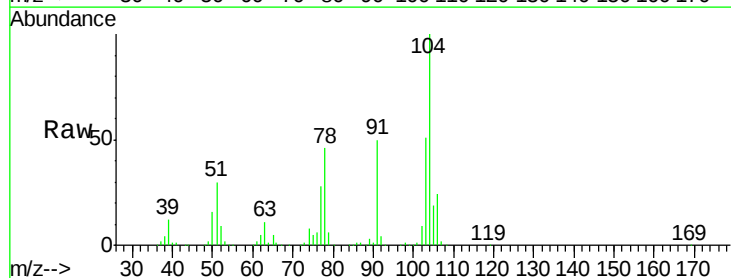
Manual Integrations
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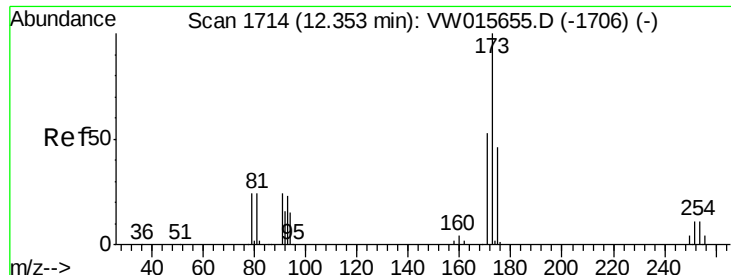
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#70
Styrene
Concen: 19.932 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion:104 Resp: 143171
Ion Ratio Lower Upper
104 100
78 51.7 40.9 61.3
103 54.0 43.1 64.7





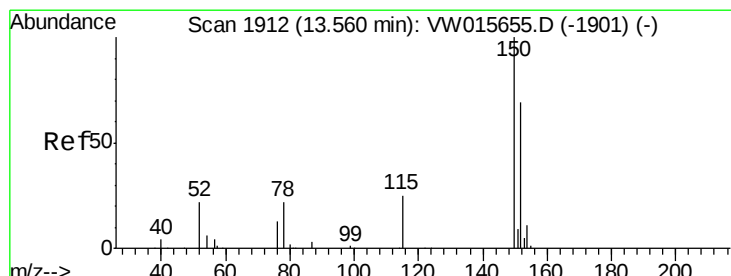
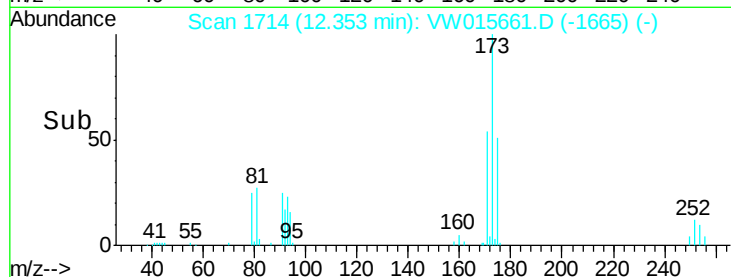
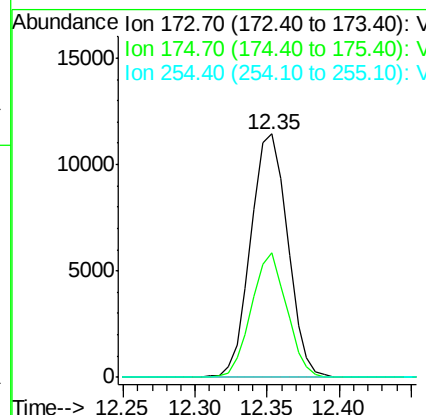
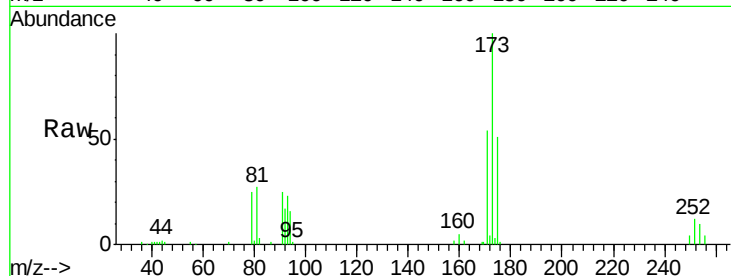
#71
Bromoform
Concen: 19.219 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.1	0.1#

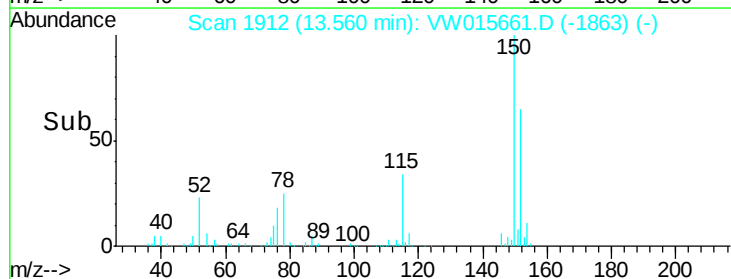
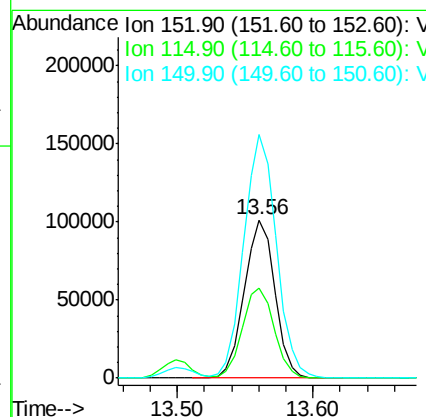
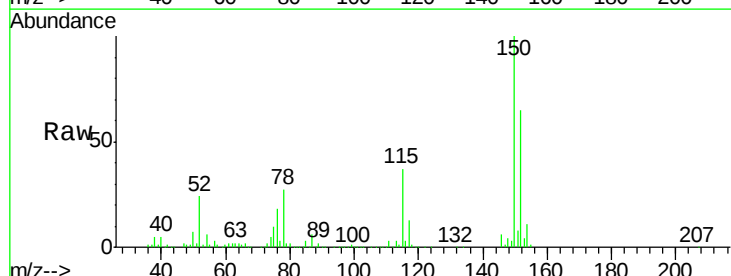
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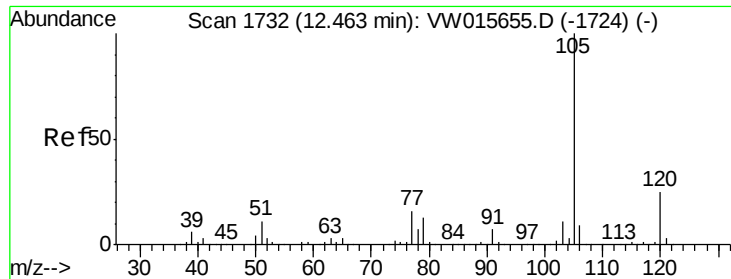
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.1	90.5
150	164.1	0.0	345.6





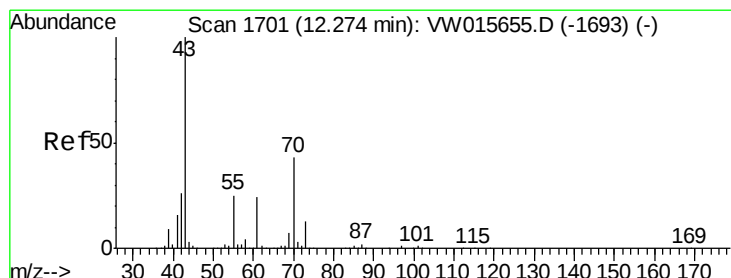
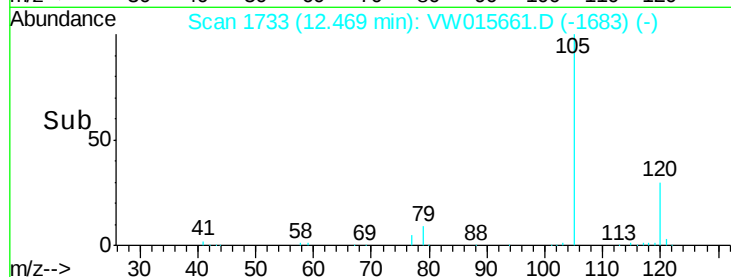
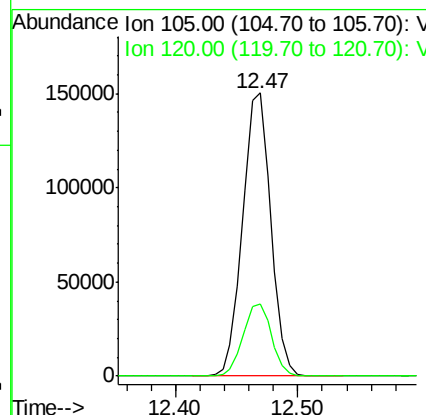
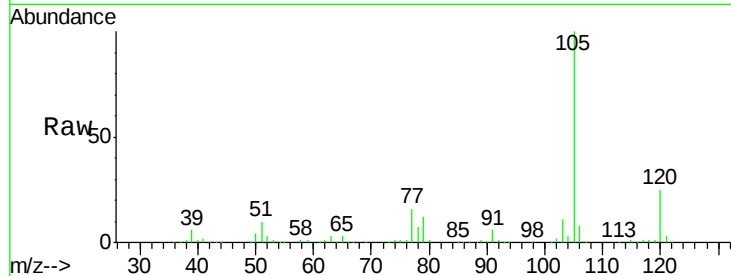
#73
Isopropylbenzene
Concen: 19.691 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

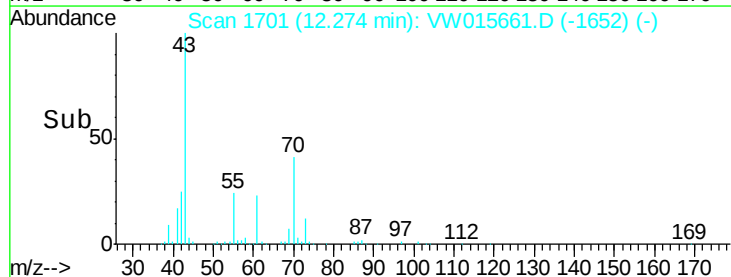
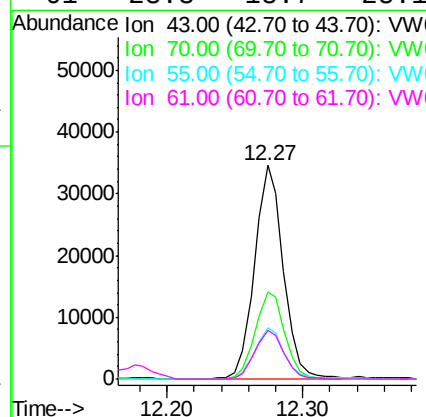
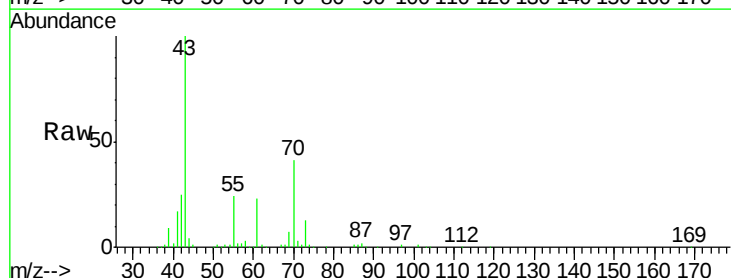
Manual Integrations
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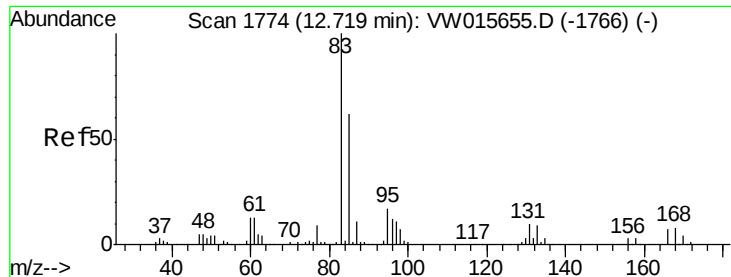
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#74
N-ethyl acetate
Concen: 19.971 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.6	50.4
55	24.8	19.7	29.5
61	23.3	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.544 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

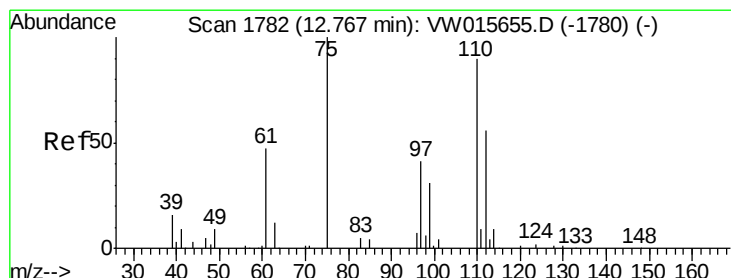
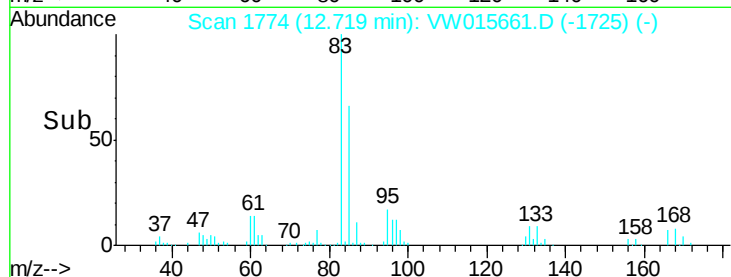
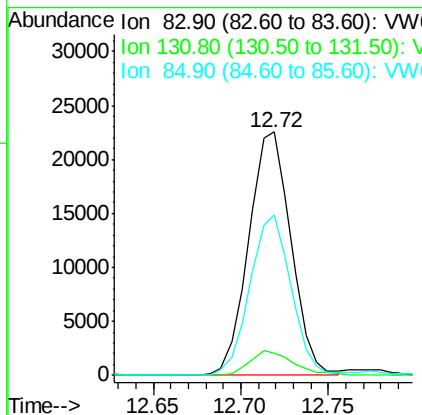
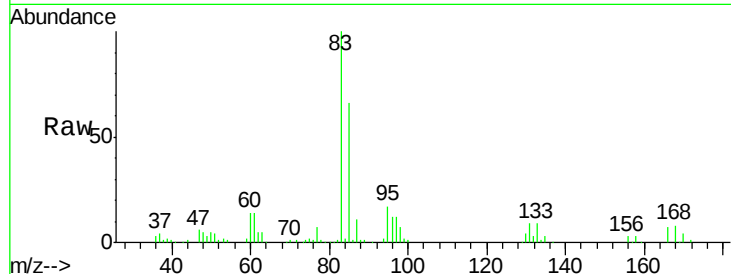
ClientSampleId :

VW0623SBS01

Tot Ion:	83	Resp:	37932
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	64.4	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 19.650 ug/l m

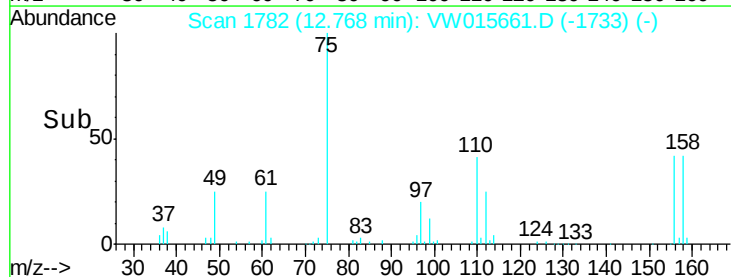
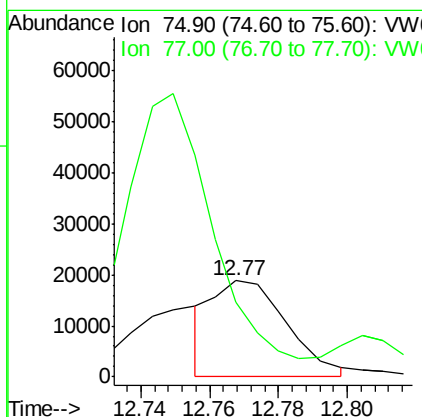
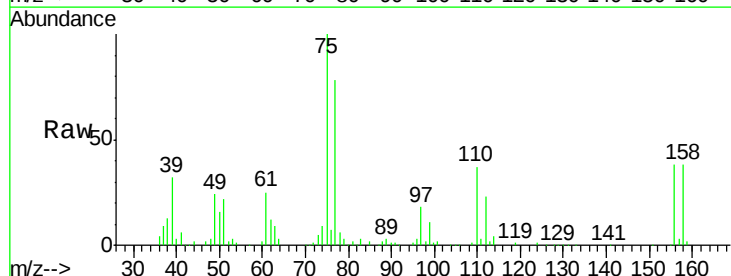
RT: 12.77 min Scan# 1782

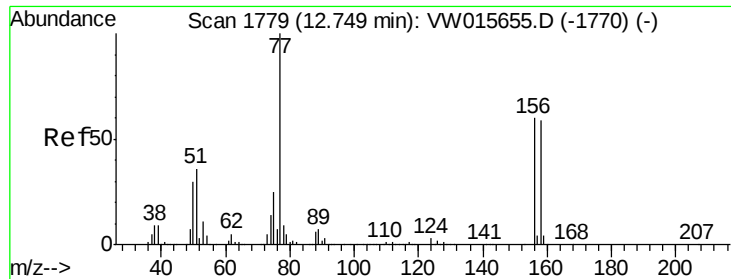
Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Tgt Ion:	75	Resp:	28506
Ion Ratio	Lower	Upper	
75	100		
77	352.8	179.1	537.1





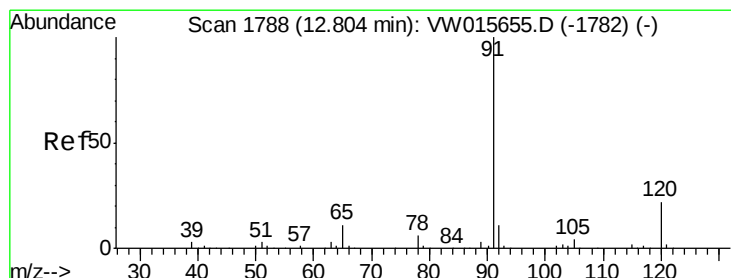
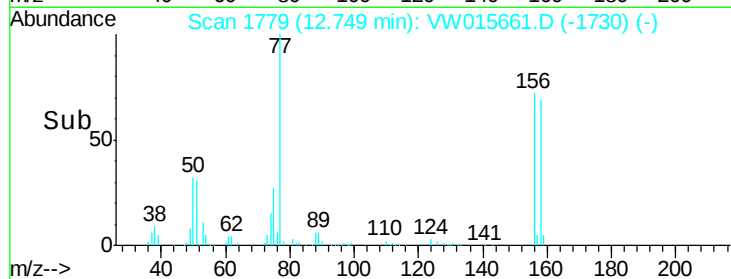
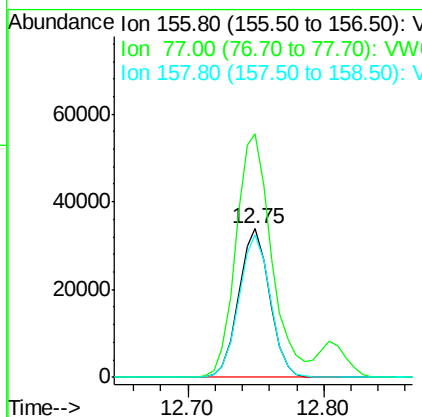
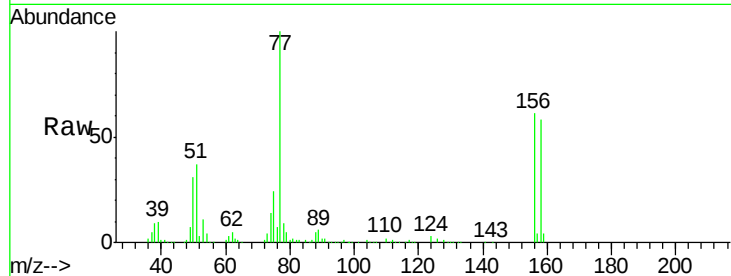
#77
Bromobenzene
Concen: 19.919 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		53885		
77	186.6	94.5	283.5		
158	97.0	47.9	143.6		

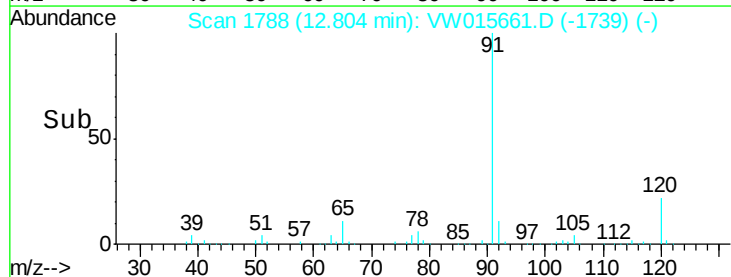
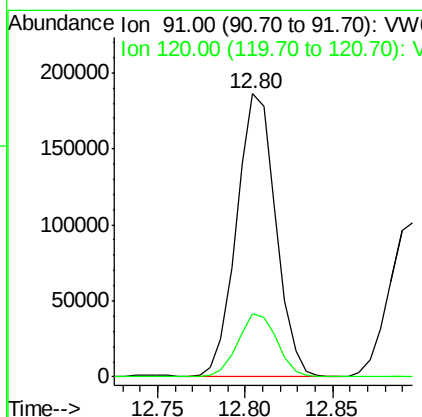
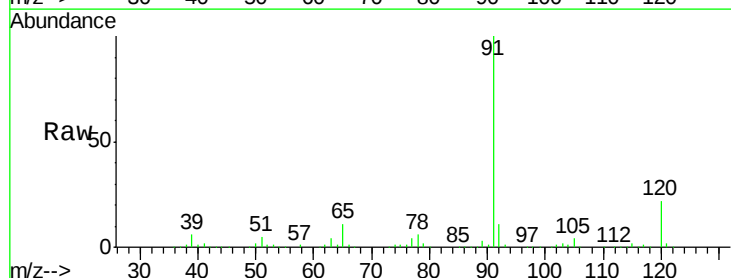
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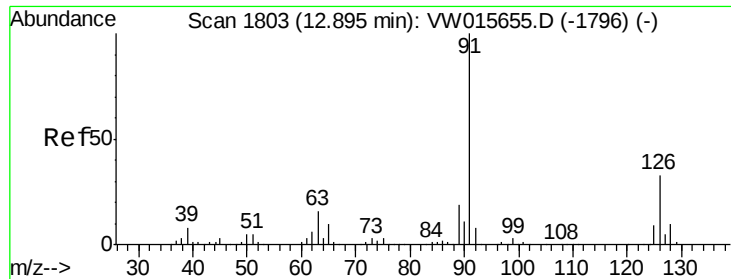
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#78
n-propylbenzene
Concen: 19.772 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		288739		
120	22.3	11.2	33.5		





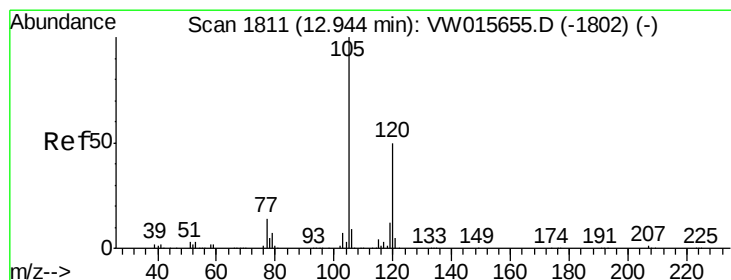
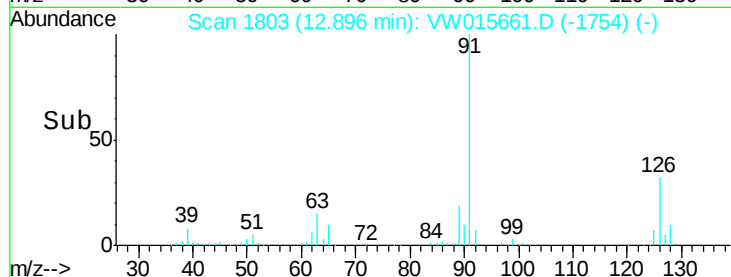
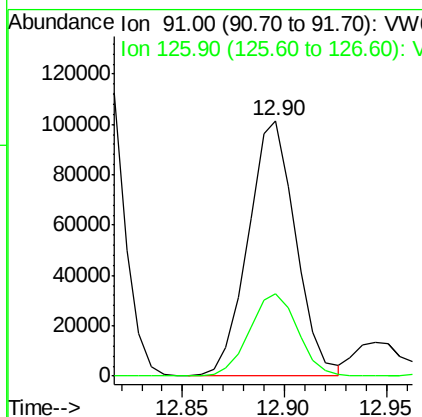
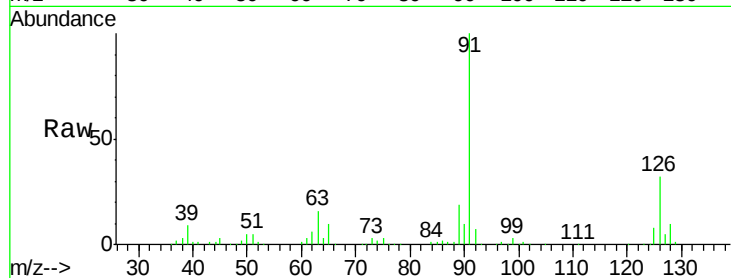
#79
2-Chlorotoluene
Concen: 19.967 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 91 Resp: 164180
Ion Ratio Lower Upper
91 100
126 32.9 16.6 49.8

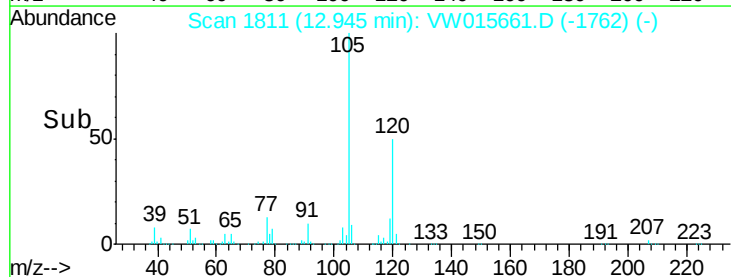
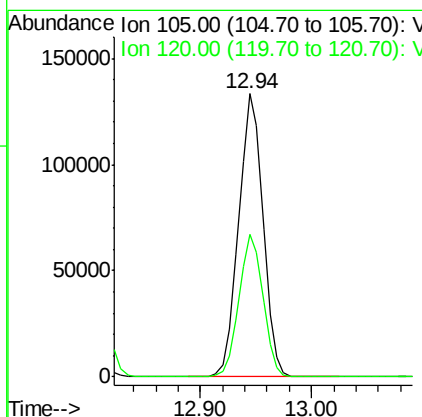
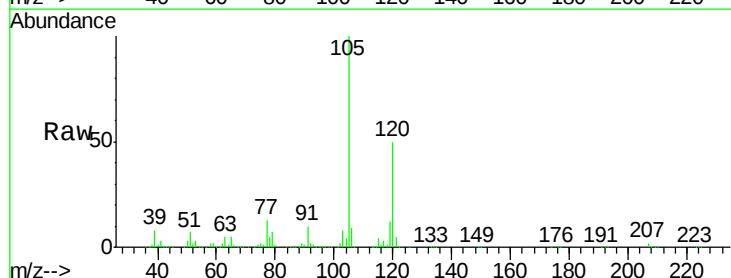
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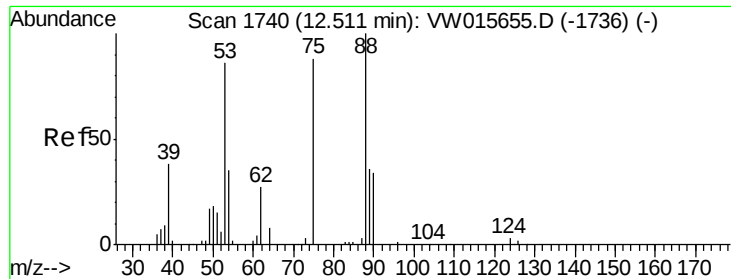
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#80
1,3,5-Trimethylbenzene
Concen: 19.627 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 105 Resp: 201761
Ion Ratio Lower Upper
105 100
120 49.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.586 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 75 Resp: 10699

Ion Ratio Lower Upper

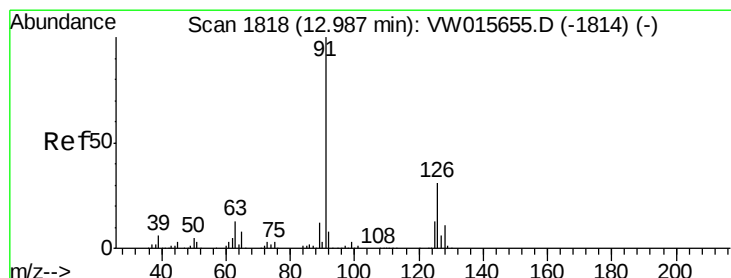
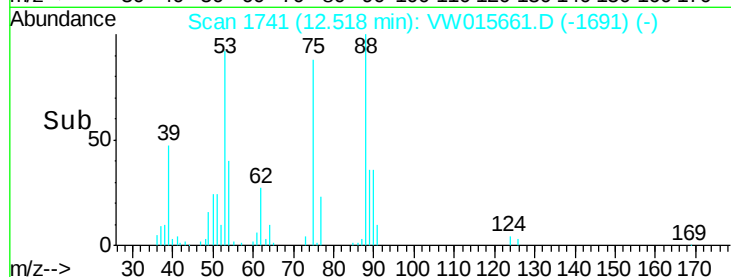
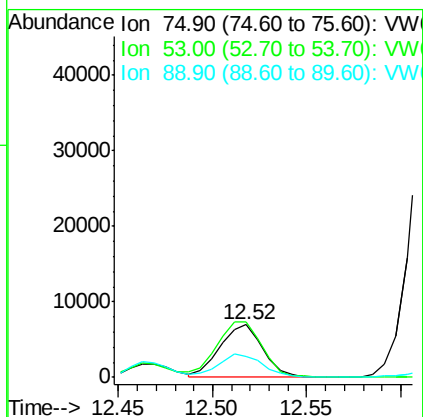
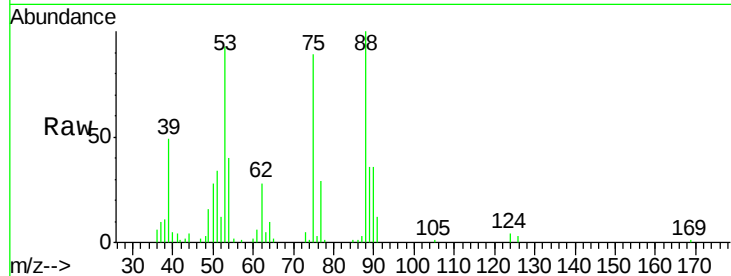
75 100

53 117.8 83.8 125.8

89 46.8 36.6 55.0

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#82

4-Chlorotoluene

Concen: 19.528 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015661.D

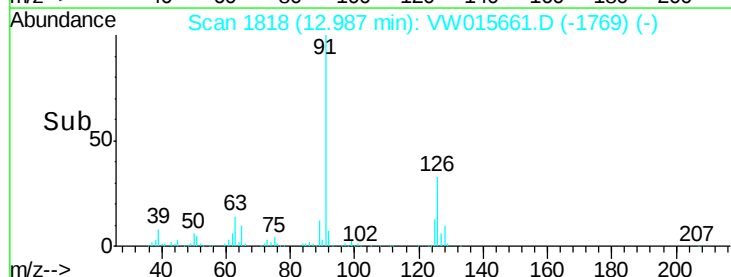
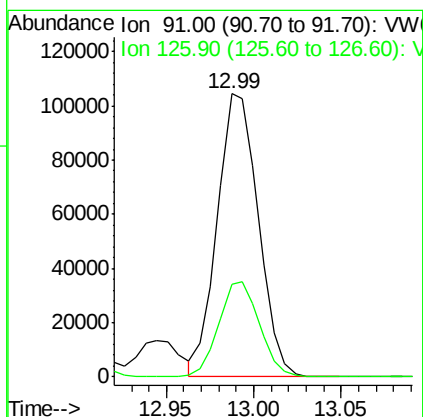
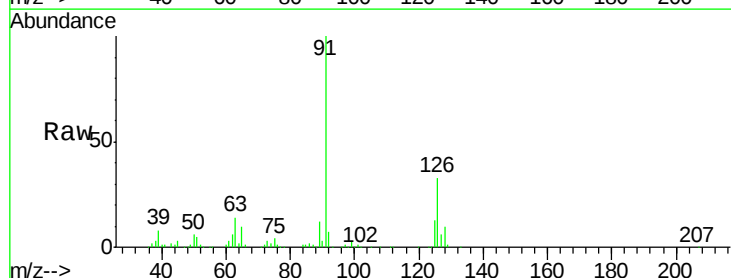
Acq: 23 Jun 2020 15:03

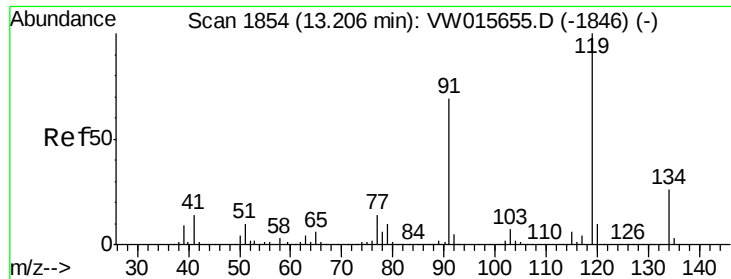
Tgt Ion: 91 Resp: 169869

Ion Ratio Lower Upper

91 100

126 33.3 16.3 48.9





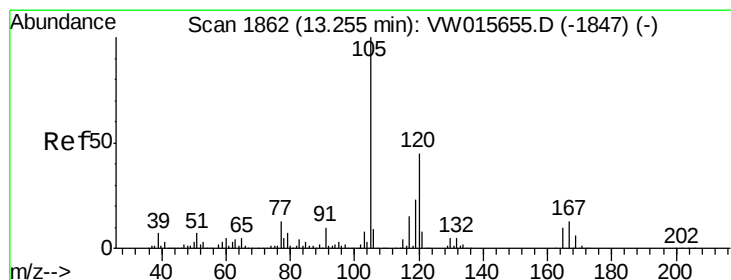
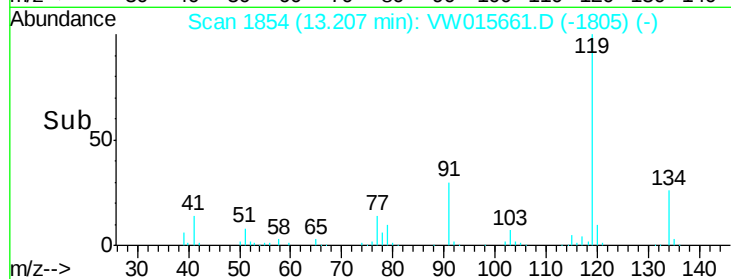
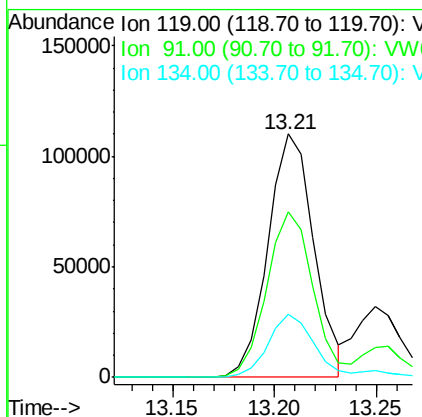
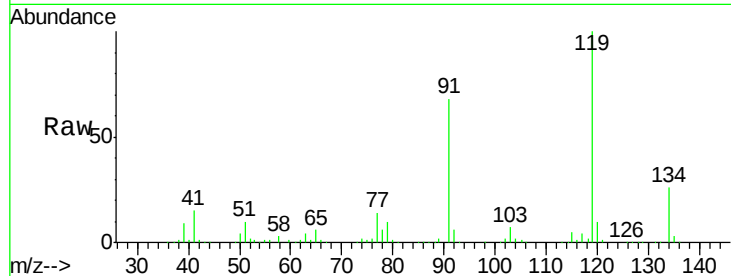
#83
tert-Butylbenzene
Concen: 19.966 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.7	104.1
134	25.5	13.8	41.4

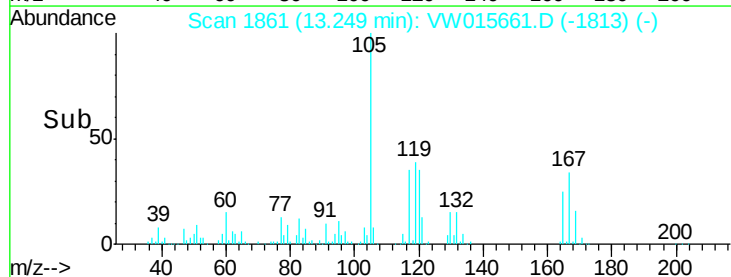
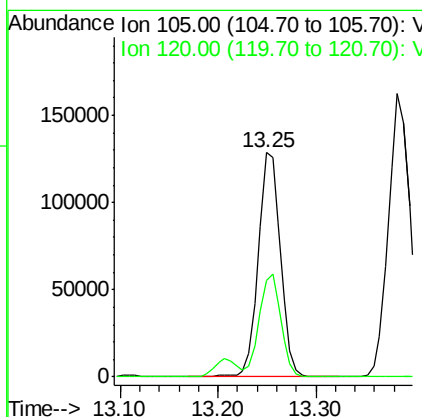
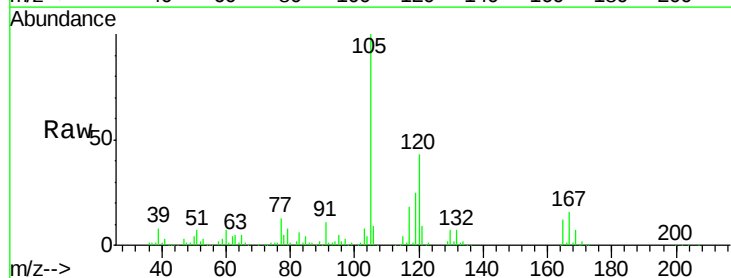
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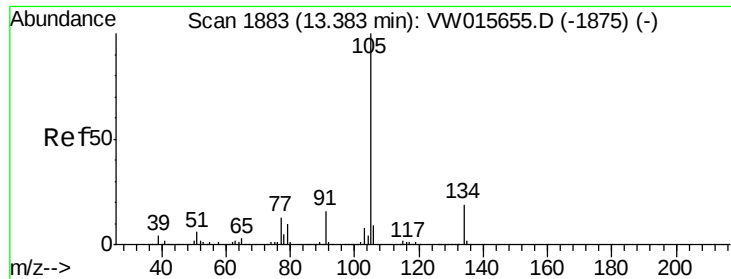
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#84
1,2,4-Trimethylbenzene
Concen: 19.897 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.3





#85

sec-Butylbenzene

Concen: 20.059 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion:105 Resp: 249000

Ion Ratio Lower Upper

105 100

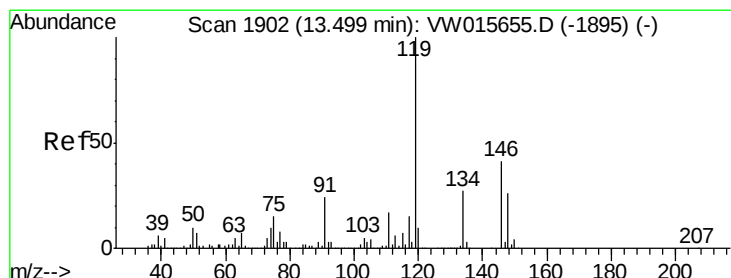
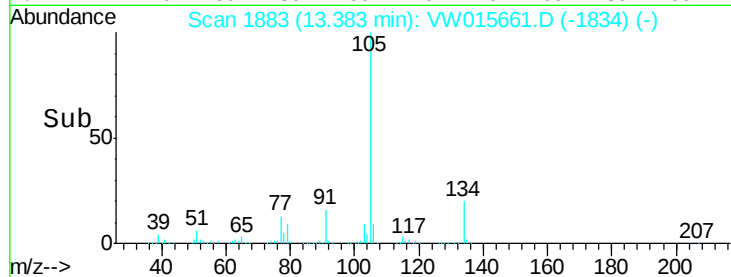
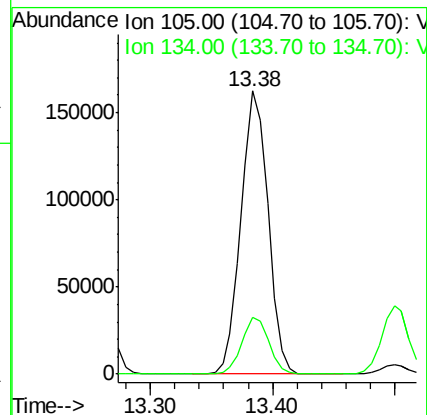
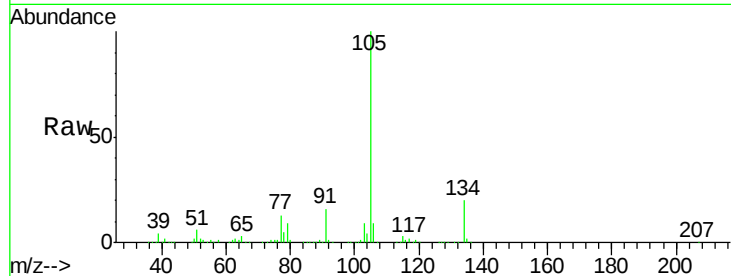
134 20.0 10.0 29.8

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#86

p-Isopropyltoluene

Concen: 20.004 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

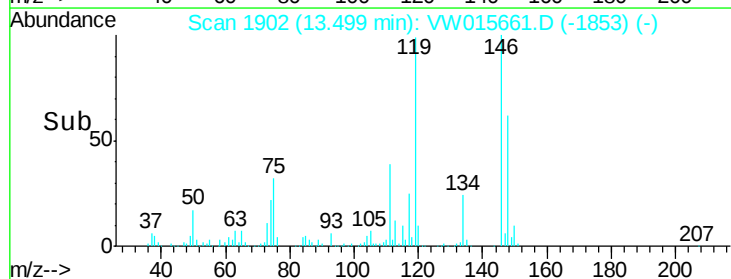
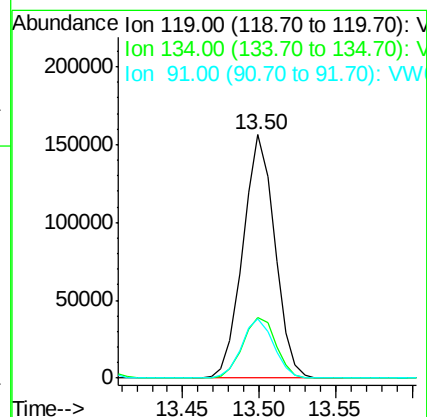
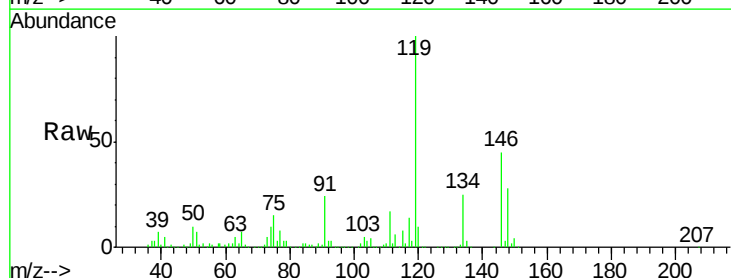
Tgt Ion:119 Resp: 225608

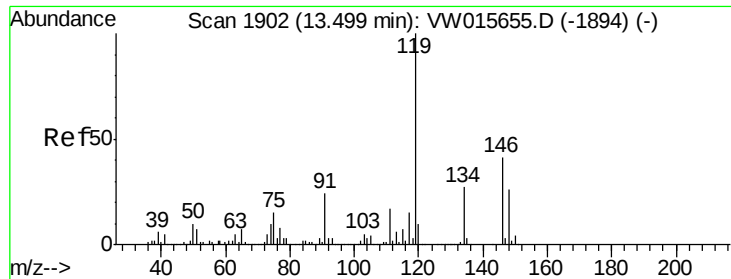
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.074 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

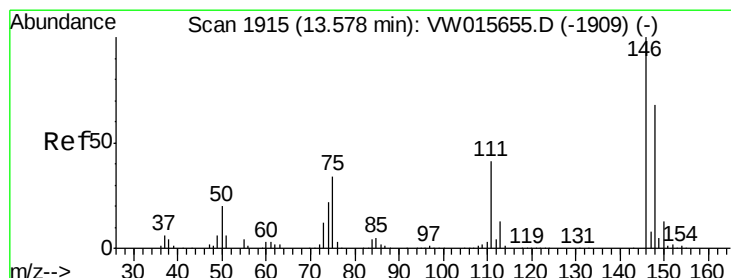
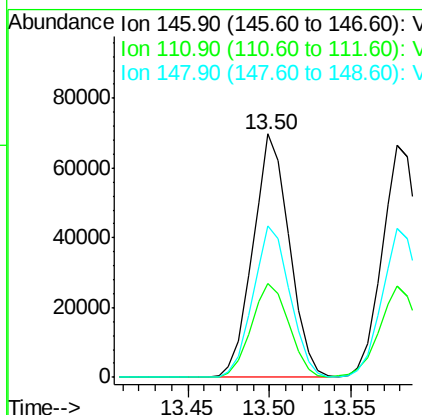
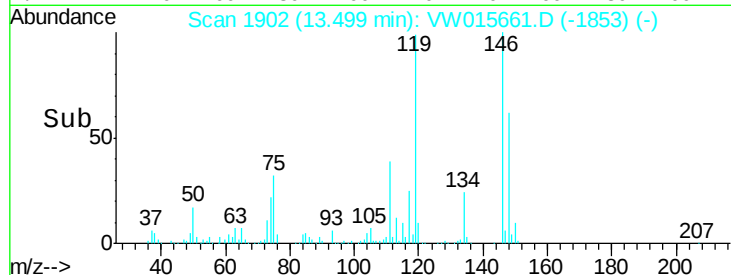
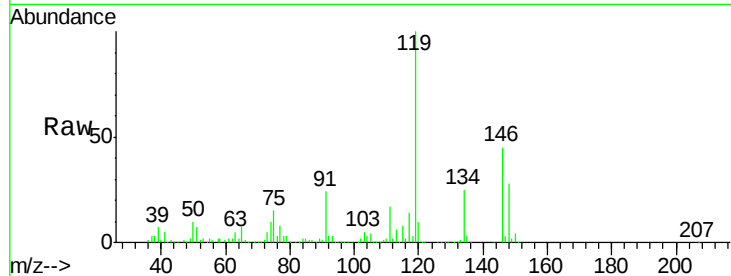
ClientSampleId :

VW0623SBS01

Tot Ion:	146	Resp:	107799
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.3	60.8
148	63.0	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 19.908 ug/l

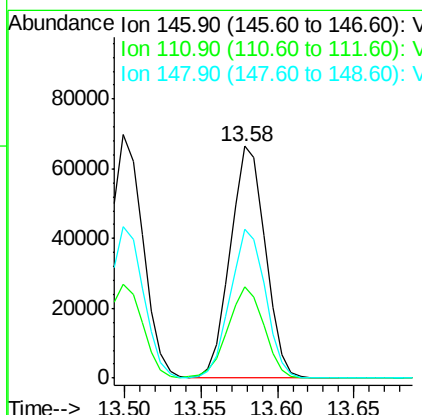
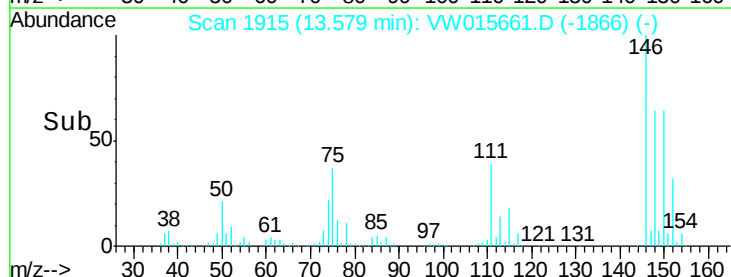
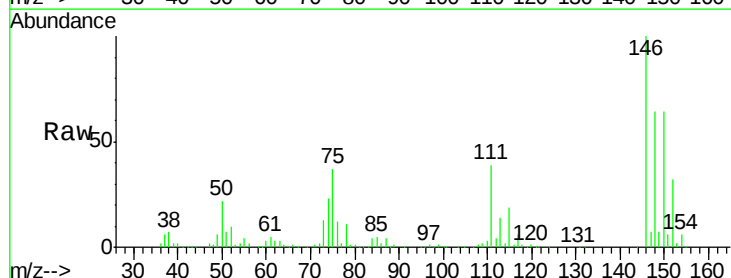
RT: 13.58 min Scan# 1915

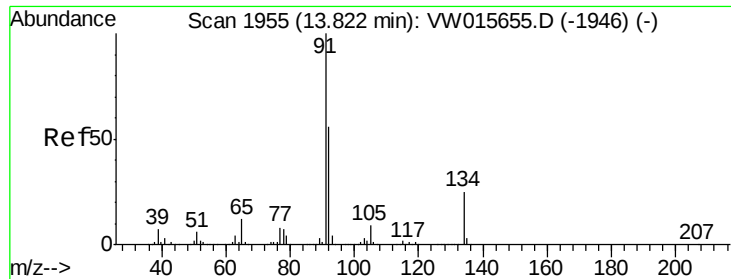
Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Tgt Ion:	146	Resp:	105885
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.3	60.9
148	64.5	33.7	101.1





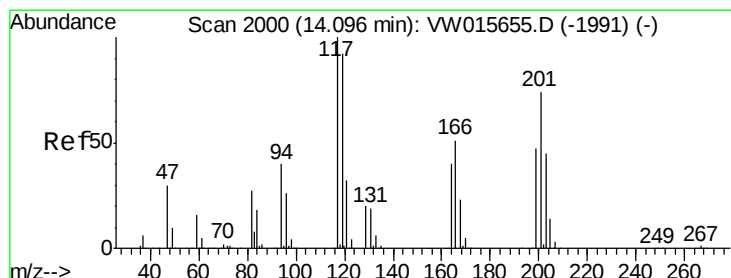
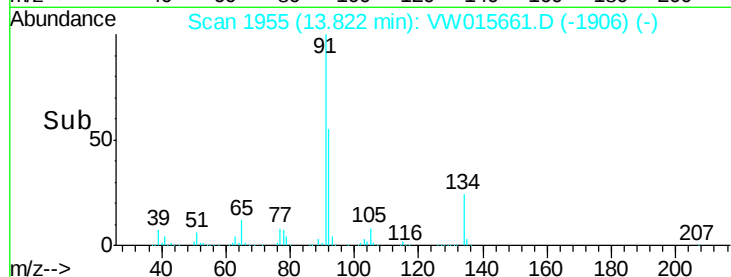
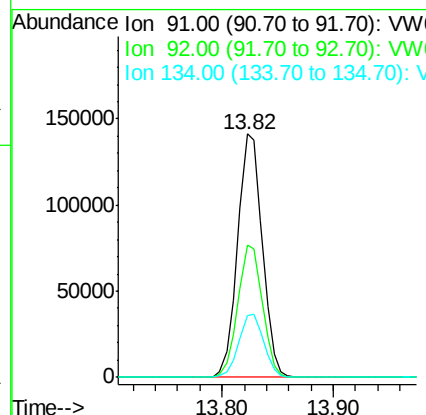
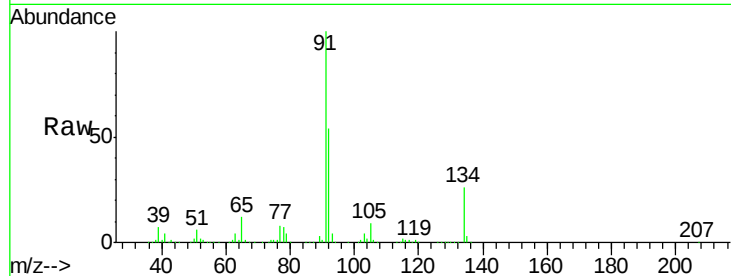
#89
n-Butylbenzene
Concen: 19.999 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	216531		
92	54.1	27.5	82.4	
134	26.2	13.0	38.9	

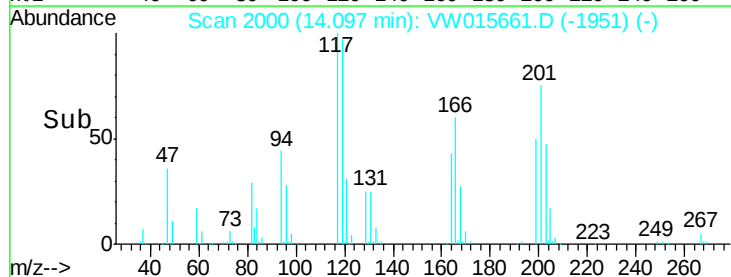
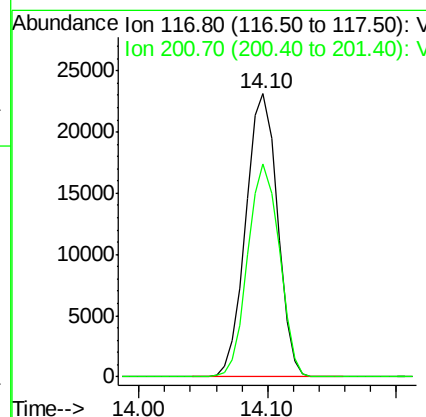
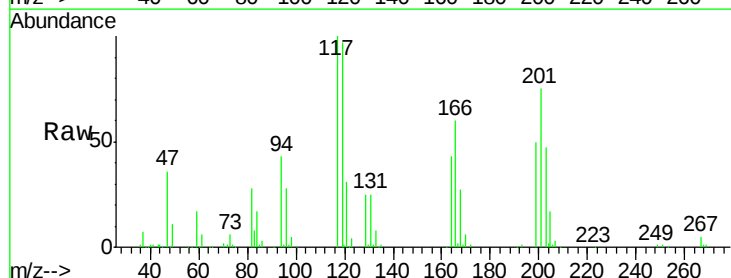
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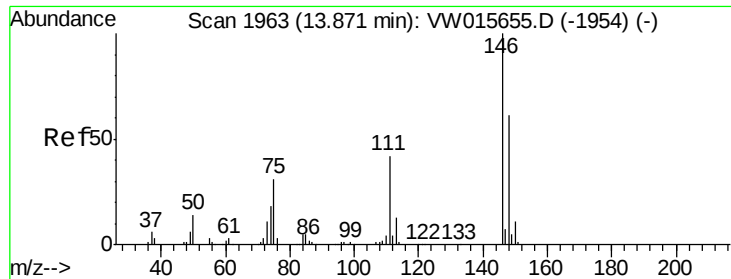
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#90
Hexachloroethane
Concen: 19.549 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39238		
201	75.2	37.1	111.5	





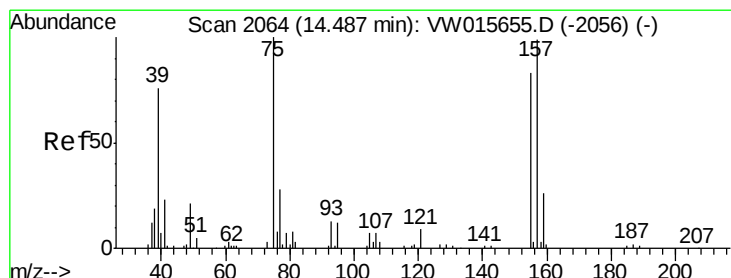
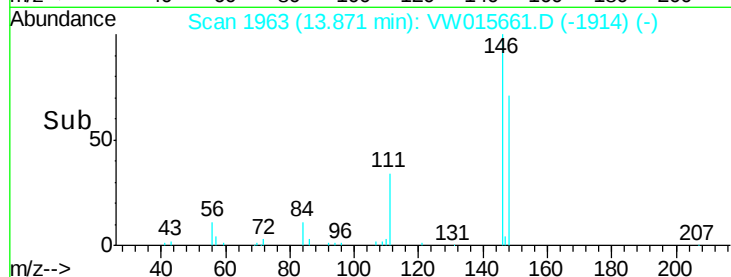
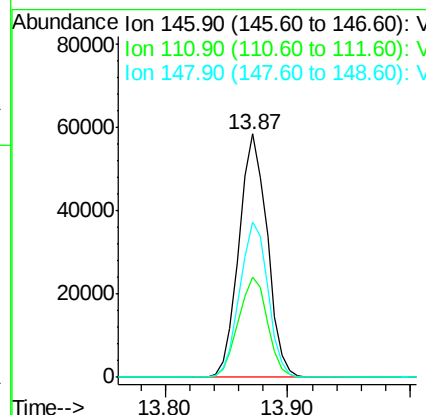
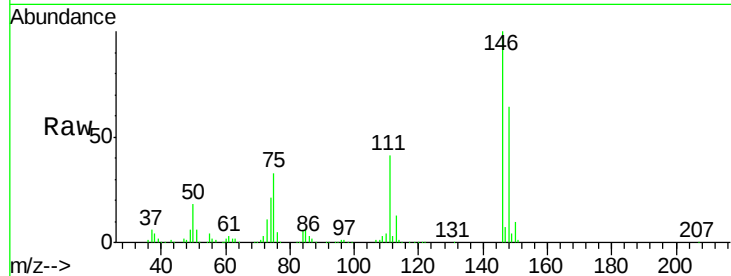
#91
 1,2-Dichlorobenzene
 Concen: 20.014 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	63.8	32.2	96.6

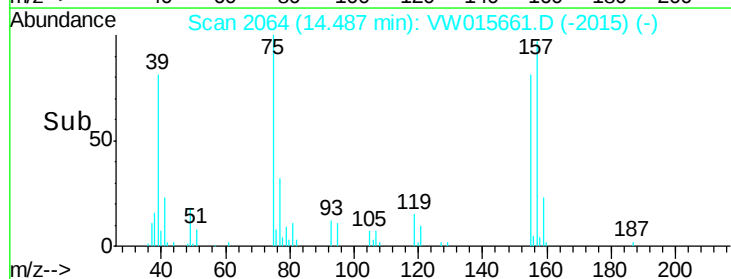
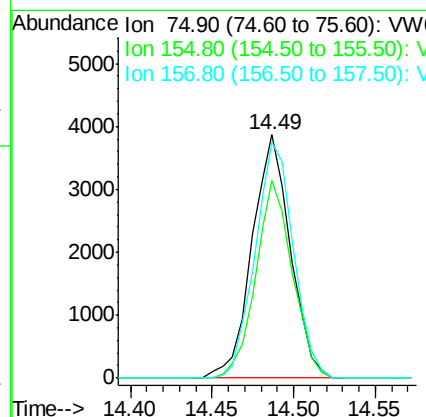
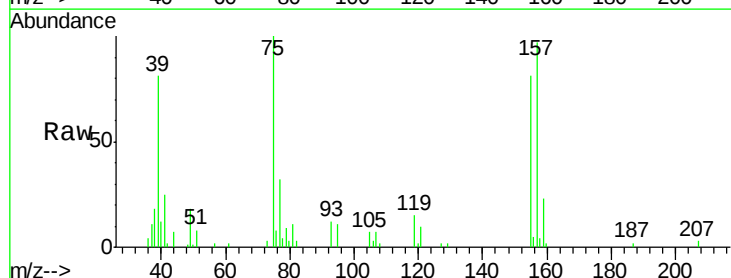
Manual Integrations
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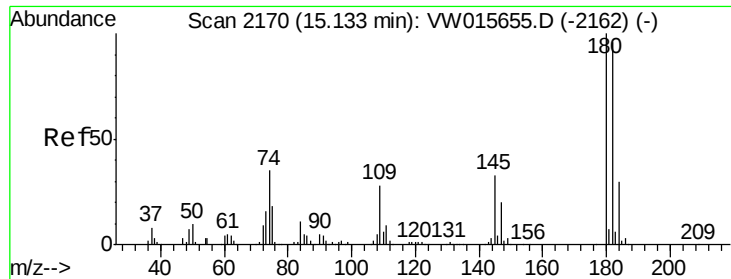
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.300 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	40.8	122.2
157	97.0	50.7	152.1





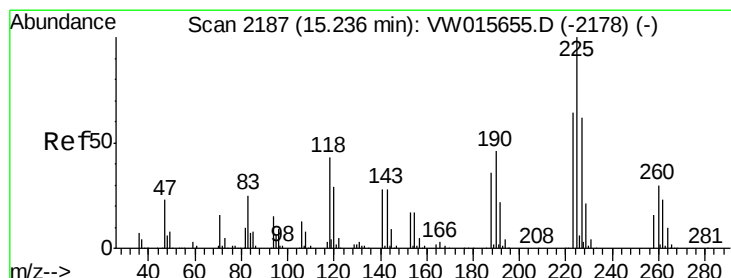
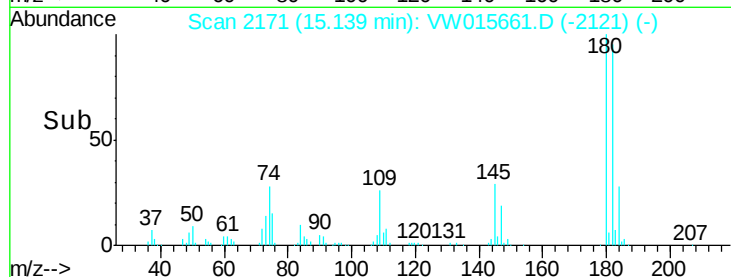
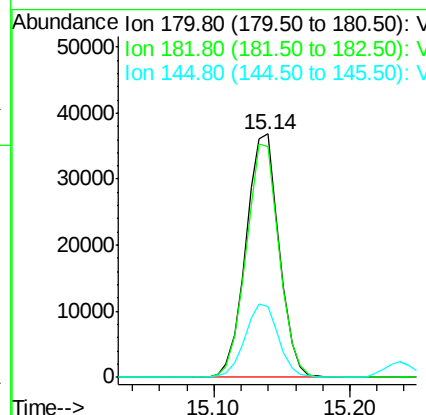
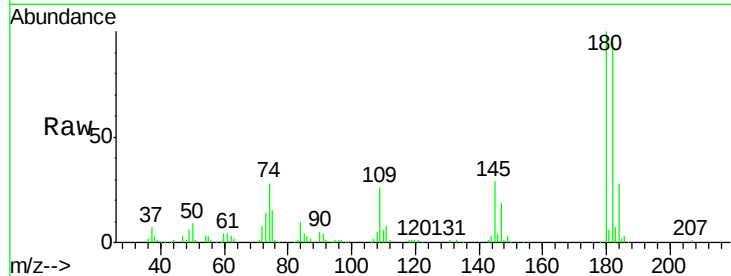
#93
 1,2,4-Trichlorobenzene
 Concen: 20.424 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	30.3	15.6	46.7

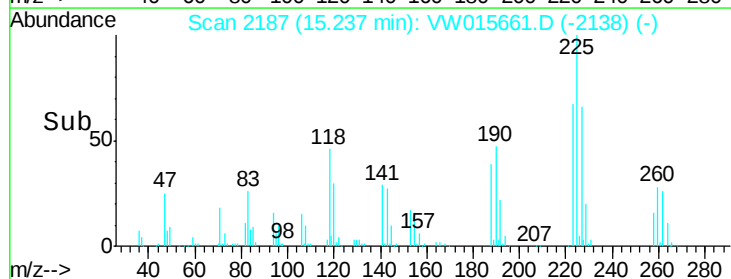
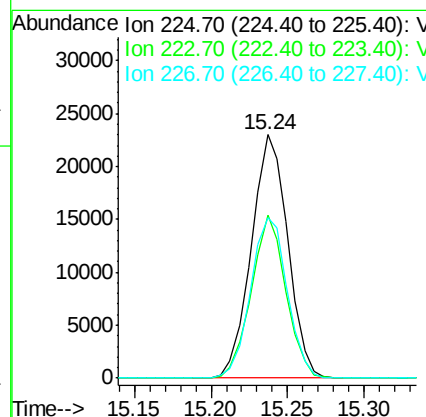
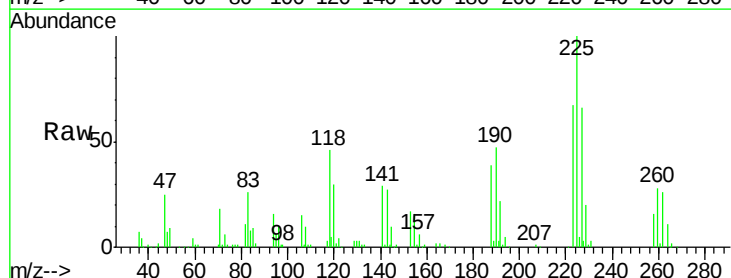
Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:58:23 AM



#94
 Hexachlorobutadiene
 Concen: 19.504 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.0	93.0
227	66.2	31.9	95.9





#95

Naphthalene

Concen: 20.436 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

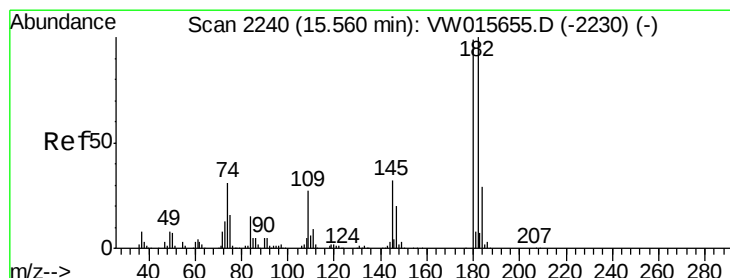
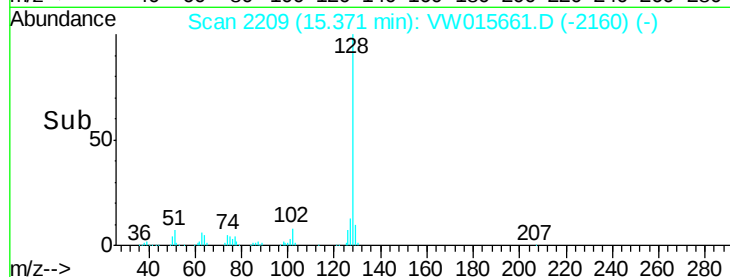
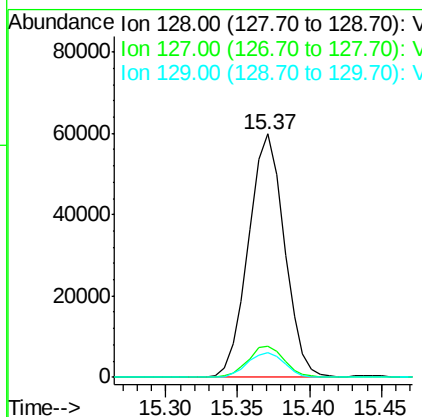
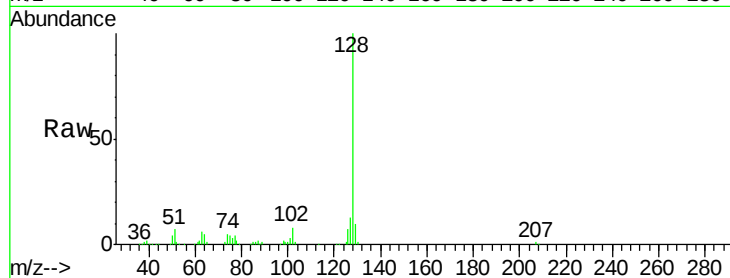
ClientSampleId :

VW0623SBS01

Tot Ion:	128	Resp:	103641
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.846 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Tgt Ion:	180	Resp:	52393
Ion Ratio	Lower	Upper	
180	100		
182	96.7	49.0	147.0
145	31.9	16.4	49.2

