

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015657.D
 Acq On : 23 Jun 2020 12:50
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:58:18 AM

Quant Time: Jun 23 13:19:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 12:41:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	366385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159501	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	348233	141.46	ug/l	0.00
Spiked Amount			Recovery	=	282.92%	
35) Dibromofluoromethane	7.89	113	321733	148.18	ug/l	0.00
Spiked Amount			Recovery	=	296.36%	
50) Toluene-d8	10.33	98	1291424	146.62	ug/l	0.00
Spiked Amount			Recovery	=	293.24%	
62) 4-Bromofluorobenzene	12.62	95	463677	145.14	ug/l	0.00
Spiked Amount			Recovery	=	290.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	214191	161.365	ug/l	97
3) Chloromethane	2.21	50	233732	144.723	ug/l	100
4) Vinyl Chloride	2.37	62	363265	143.266	ug/l	99
5) Bromomethane	2.77	94	270719	151.791	ug/l	100
6) Chloroethane	2.92	64	240913	146.743	ug/l	99
7) Trichlorofluoromethane	3.26	101	299186	157.095	ug/l	99
8) Diethyl Ether	3.68	74	160573	143.189	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	330151	144.378	ug/l	99
10) Methyl Iodide	4.28	142	476490	142.472	ug/l	99
11) Tert butyl alcohol	5.21	59	95419	512.265	ug/l	99
12) 1,1-Dichloroethene	4.04	96	328593	144.888	ug/l	98
13) Acrolein	3.90	56	123674	808.262	ug/l	98
14) Allyl chloride	4.67	41	545442	143.326	ug/l	98
15) Acrylonitrile	5.37	53	326035	716.063	ug/l	99
16) Acetone	4.13	43	322766	648.050	ug/l	98
17) Carbon Disulfide	4.38	76	989530	146.331	ug/l	99
18) Methyl Acetate	4.68	43	140327	129.898	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	456642	133.208	ug/l	97
20) Methylene Chloride	4.92	84	333329	129.221	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	372685	146.078	ug/l	99
22) Diisopropyl ether	6.32	45	1032077	142.922	ug/l	98
23) Vinyl Acetate	6.26	43	3154863	744.826	ug/l	99
24) 1,1-Dichloroethane	6.22	63	656534	144.184	ug/l	100
25) 2-Butanone	7.18	43	436919	681.864	ug/l	98
26) 2,2-Dichloropropane	7.17	77	403926	126.421	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	403942	145.593	ug/l	98
28) Bromochloromethane	7.51	49	247034	144.720	ug/l	99
29) Tetrahydrofuran	7.54	42	269820	705.700	ug/l	99
30) Chloroform	7.68	83	657806	143.108	ug/l	99
31) Cyclohexane	7.96	56	601285	133.846	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	566614	142.173	ug/l	99
36) 1,1-Dichloropropene	8.09	75	540116	143.986	ug/l	100
37) Ethyl Acetate	7.26	43	192173	135.949	ug/l	98
38) Carbon Tetrachloride	8.07	117	530484	145.194	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	687980	148.811	ug/l	99
40) Benzene	8.33	78	1453268	144.069	ug/l	99
41) Methacrylonitrile	7.49	41	117575	146.899	ug/l	94
42) 1,2-Dichloroethane	8.40	62	432922	141.366	ug/l	99
43) Isopropyl Acetate	8.43	43	401500	143.149	ug/l	99
44) Trichloroethene	9.10	130	390625	144.587	ug/l	100
45) 1,2-Dichloropropane	9.37	63	351584	143.547	ug/l	99
46) Dibromomethane	9.46	93	180291	145.125	ug/l	99
47) Bromodichloromethane	9.65	83	491097	145.792	ug/l	99
48) Methyl methacrylate	9.44	41	192877	150.031	ug/l	100
49) 1,4-Dioxane	9.46	88	47689	2914.687	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	960479	720.380	ug/l	99
52) Toluene	10.39	92	954753	146.590	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	499753	151.737	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	586742	149.989	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	253104	145.992	ug/l	99
56) Ethyl methacrylate	10.65	69	339282	151.641	ug/l	97
57) 1,3-Dichloropropane	10.93	76	447042	145.524	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	806727	754.058	ug/l	100
59) 2-Hexanone	10.97	43	661965	722.236	ug/l	98
60) Dibromochloromethane	11.13	129	313063	148.420	ug/l	98
61) 1,2-Dibromoethane	11.24	107	242700	146.473	ug/l	98
64) Tetrachloroethene	10.87	164	326617	144.388	ug/l	99
65) Chlorobenzene	11.66	112	987060	144.882	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	350703	144.366	ug/l	97
67) Ethyl Benzene	11.73	91	1871035	145.842	ug/l	97
68) m/p-Xylenes	11.84	106	1419443	296.332	ug/l	98
69) o-Xylene	12.17	106	664910	149.534	ug/l	98
70) Styrene	12.18	104	1138108	149.860	ug/l	99
71) Bromoform	12.35	173	174716	152.248	ug/l #	99
73) Isopropylbenzene	12.46	105	1848399	151.192	ug/l	99
74) N-amyl acetate	12.27	43	379997	148.059	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	269443	145.125	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	202209m	150.586	ug/l	
77) Bromobenzene	12.75	156	396555	150.297	ug/l	99
78) n-propylbenzene	12.80	91	2174677	148.477	ug/l	99
79) 2-Chlorotoluene	12.90	91	1211534	146.528	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1516639	146.833	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	96721	159.433	ug/l	96
82) 4-Chlorotoluene	12.99	91	1252790	146.181	ug/l	98
83) tert-Butylbenzene	13.21	119	1321242	150.571	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1504692	146.061	ug/l	99
85) sec-Butylbenzene	13.38	105	1844697	147.994	ug/l	100
86) p-Isopropyltoluene	13.50	119	1691735	148.782	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	757334	144.377	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	738295	142.458	ug/l	97
89) n-Butylbenzene	13.82	91	1623976	148.245	ug/l	99
90) Hexachloroethane	14.10	117	307164	147.414	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	657345	144.277	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44585	140.778	ug/l	98

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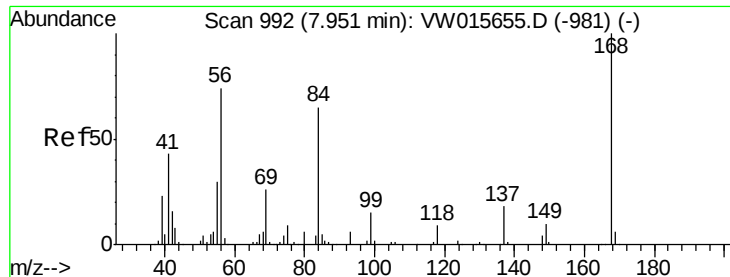
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	450844	143.646	ug/l	99
94) Hexachlorobutadiene	15.24	225	288279	149.155	ug/l	99
95) Naphthalene	15.37	128	790463	151.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	389892	148.460	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: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 233821

Ion Ratio Lower Upper

168 100

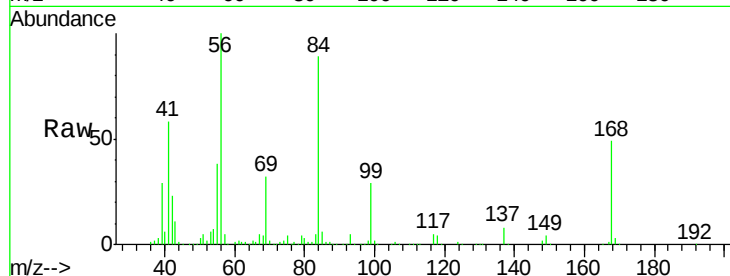
99 59.7 48.6 73.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

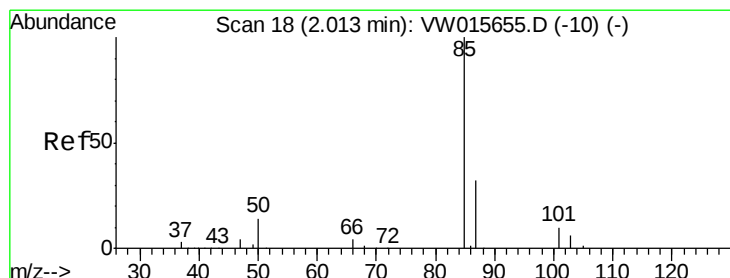
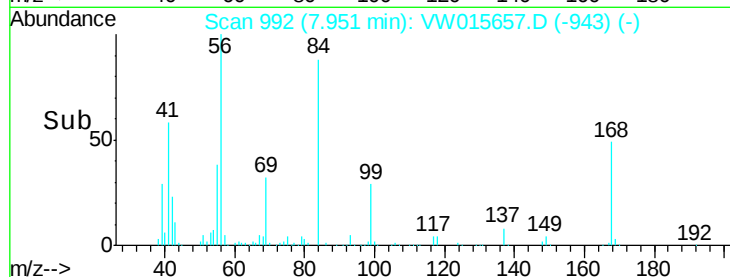
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 161.365 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015657.D

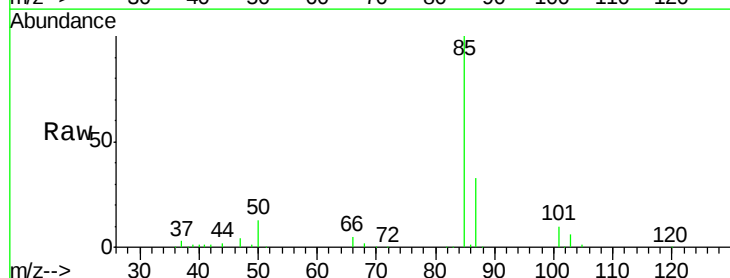
Acq: 23 Jun 2020 12:50

Tgt Ion: 85 Resp: 214191

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

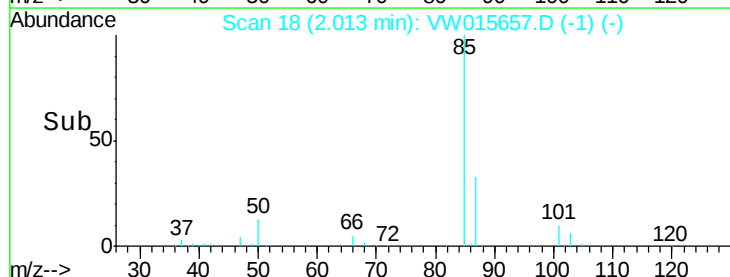
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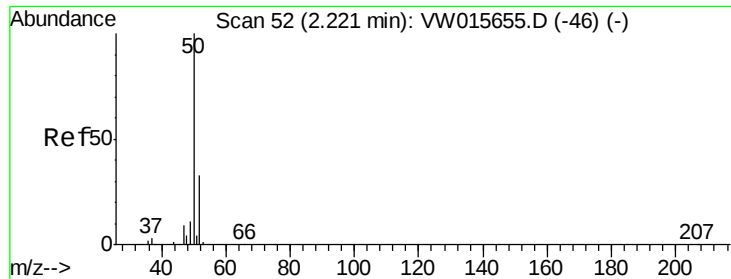
20000

0

1.80 2.00 2.20 2.40

Time-->





#3

Chloromethane

Concen: 144.723 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 233732

Ion Ratio Lower Upper

50 100

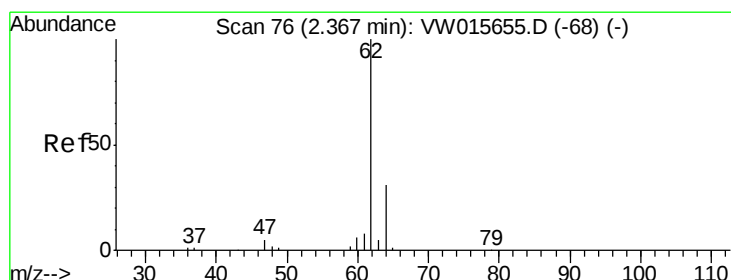
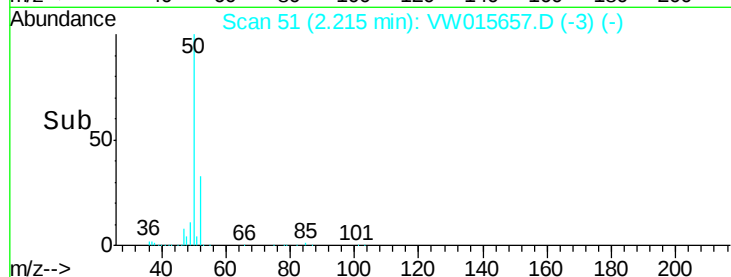
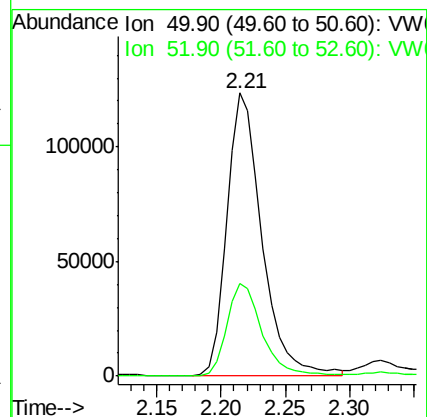
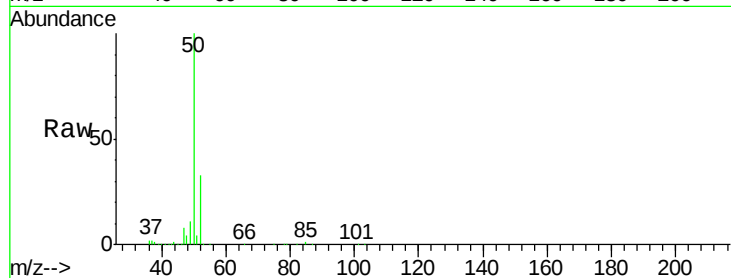
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 143.266 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015657.D

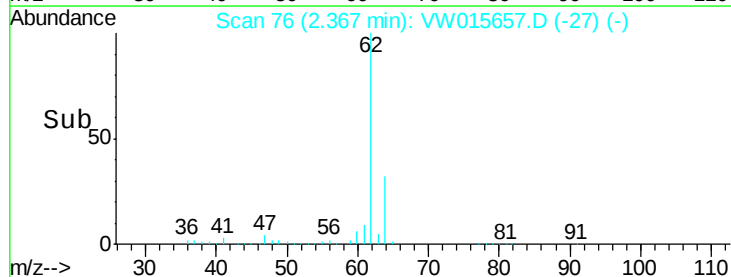
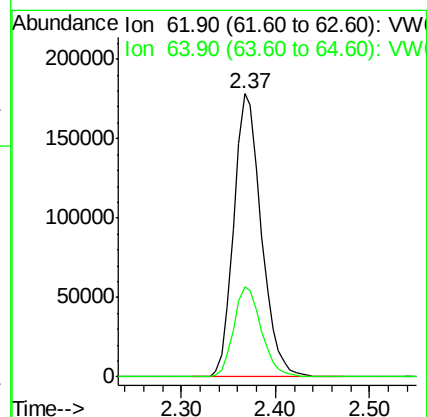
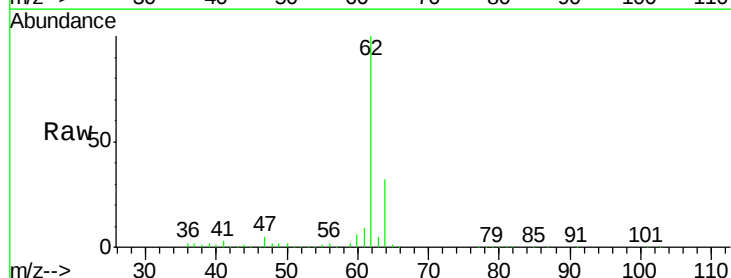
Acq: 23 Jun 2020 12:50

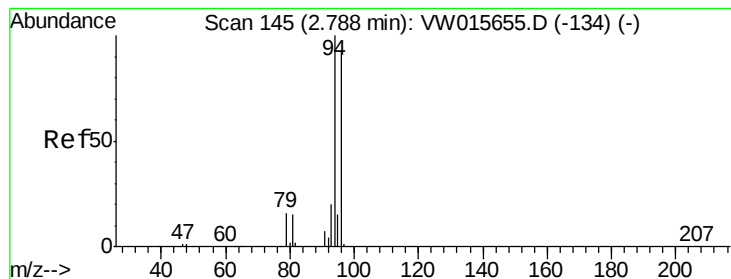
Tgt Ion: 62 Resp: 363265

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 151.791 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.02 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 270719

Ion Ratio Lower Upper

94 100

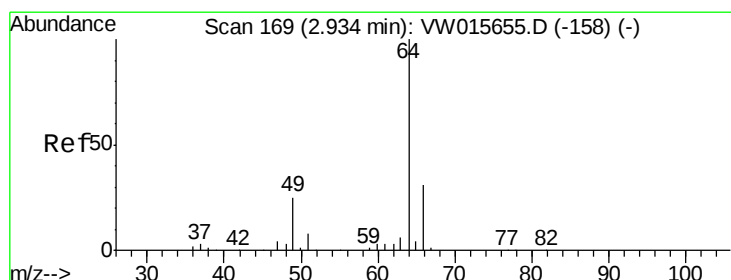
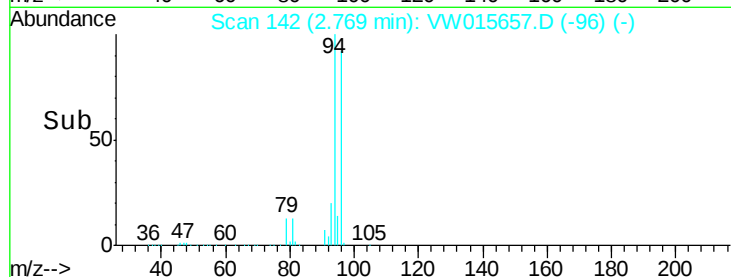
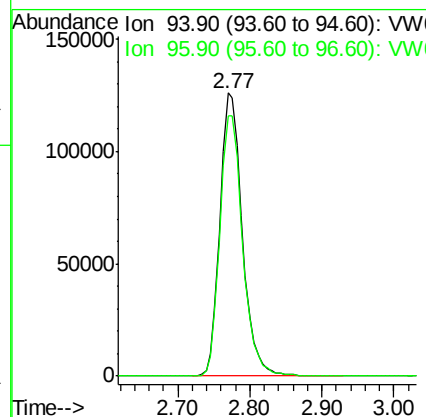
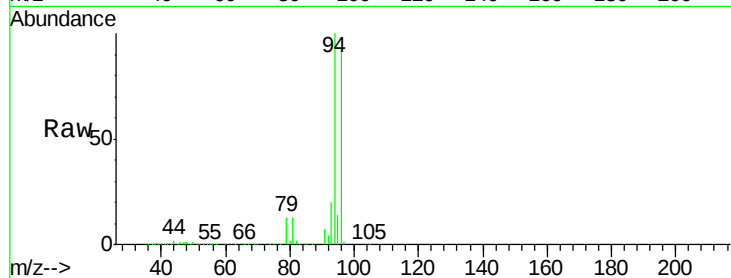
96 91.8 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 146.743 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015657.D

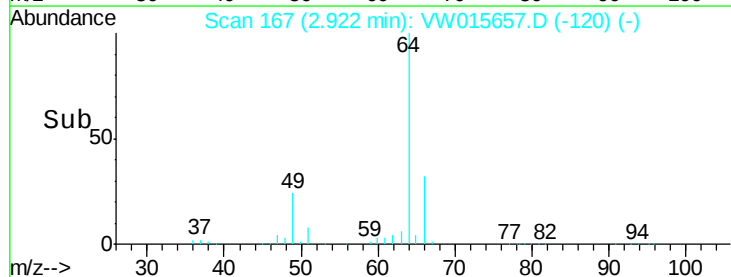
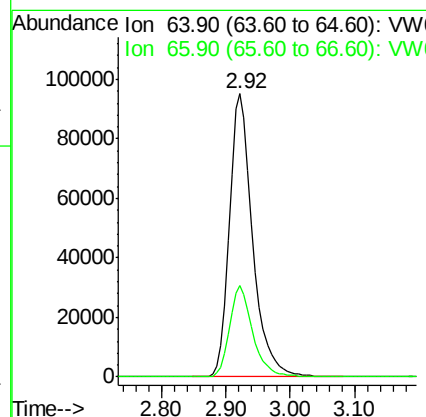
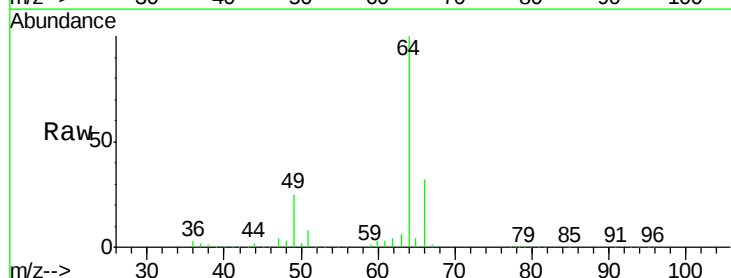
Acq: 23 Jun 2020 12:50

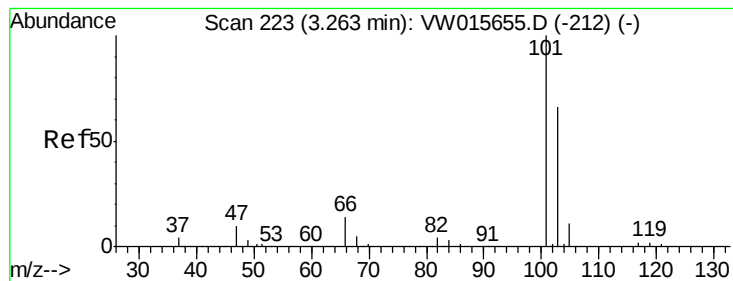
Tgt Ion: 64 Resp: 240913

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

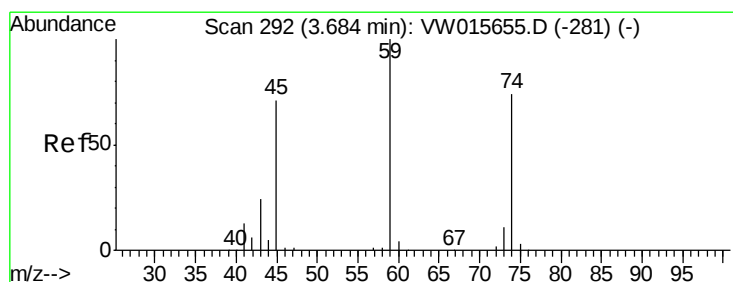
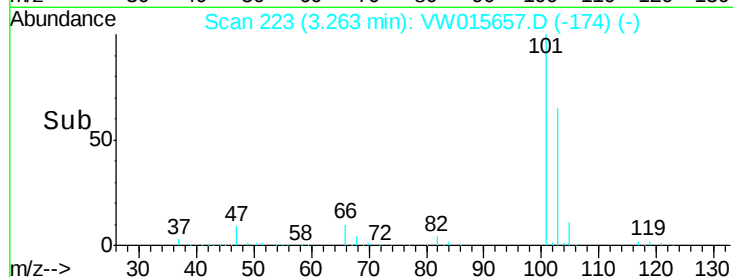
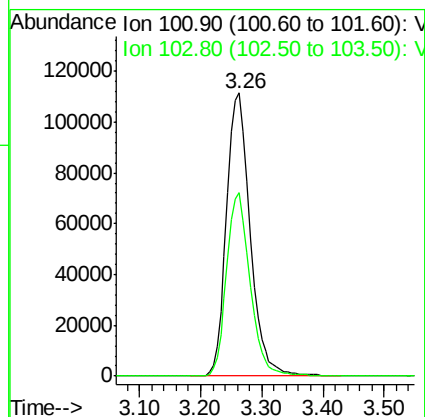
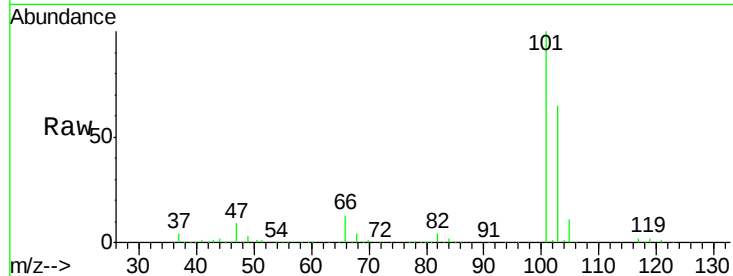
Trichlorofluoromethane
Concen: 157.095 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015657.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.6	78.8

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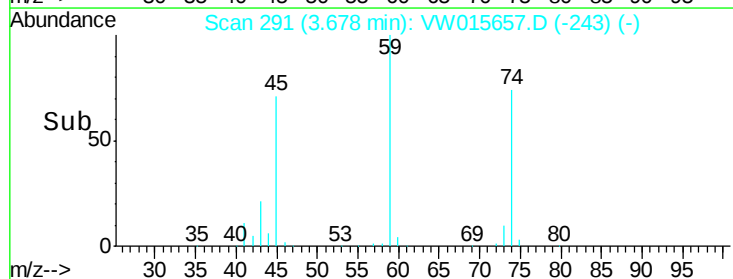
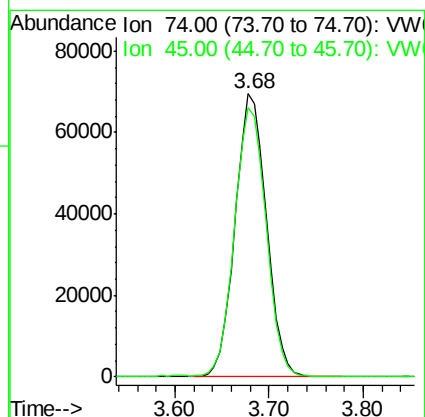
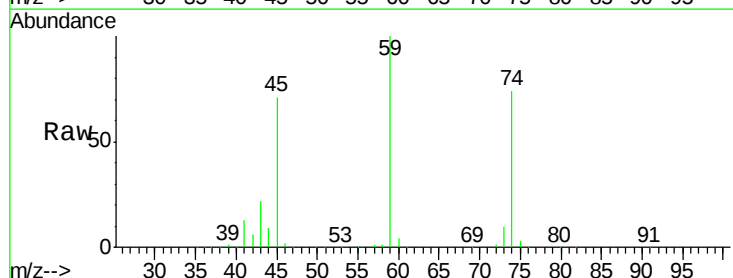
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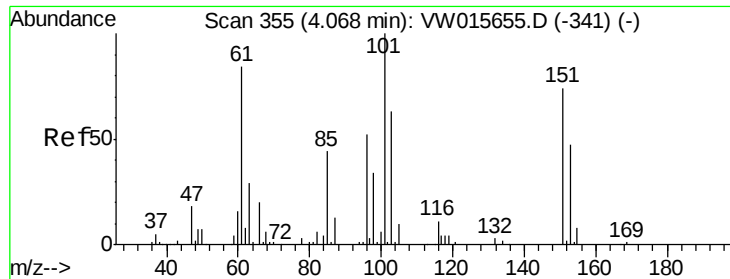


#8

Diethyl Ether
Concen: 143.189 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.378 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

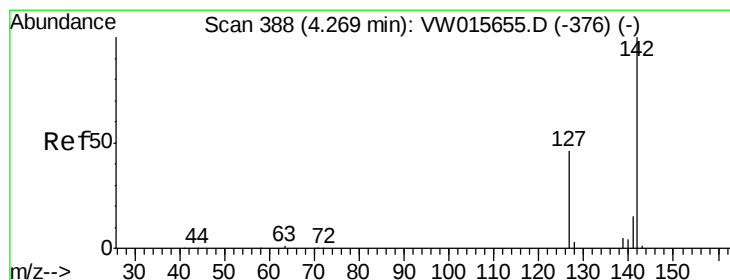
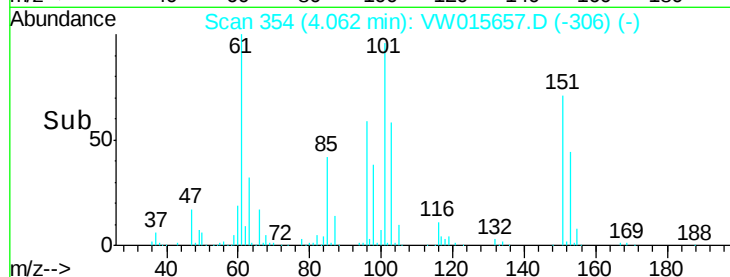
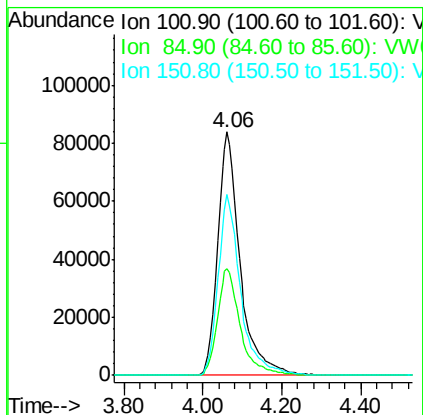
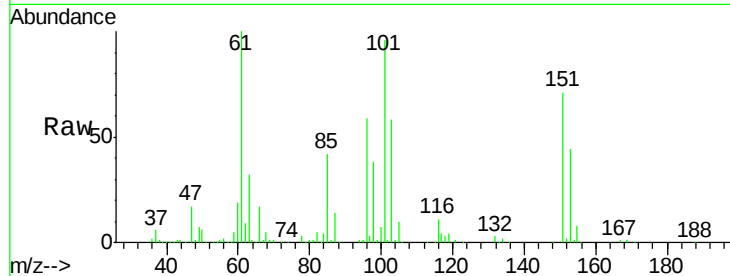
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	330151
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.6	55.0
151	74.8	60.4	90.6

Manual Integrations
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#10

Methyl Iodide

Concen: 142.472 ug/l

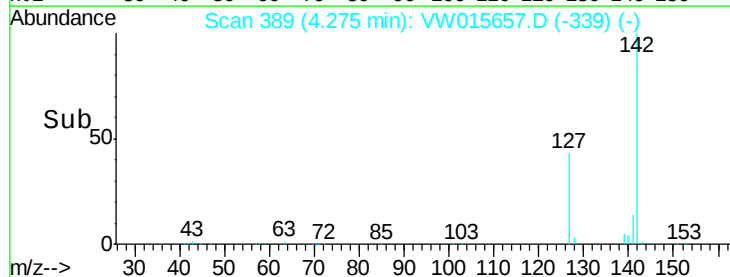
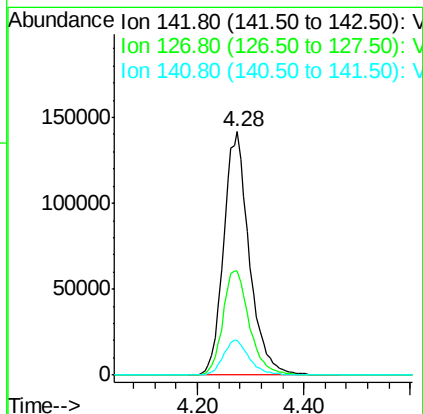
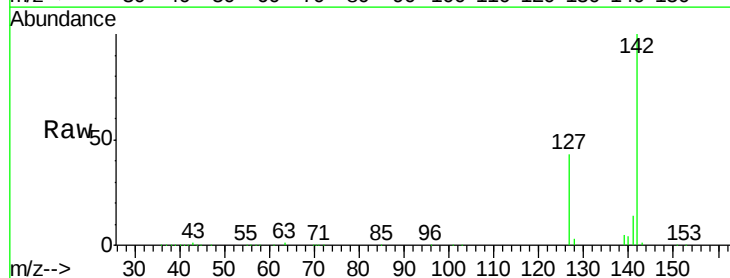
RT: 4.28 min Scan# 389

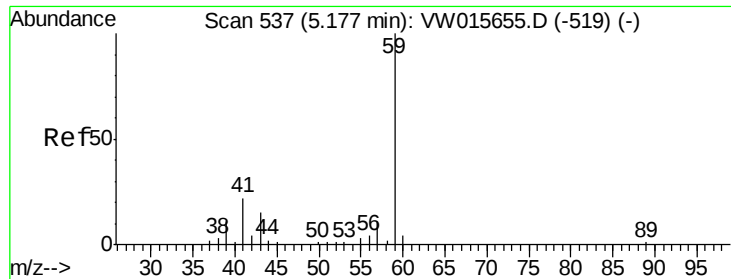
Delta R.T. 0.01 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Tgt Ion:	142	Resp:	476490
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.4	54.6
141	14.6	11.6	17.4





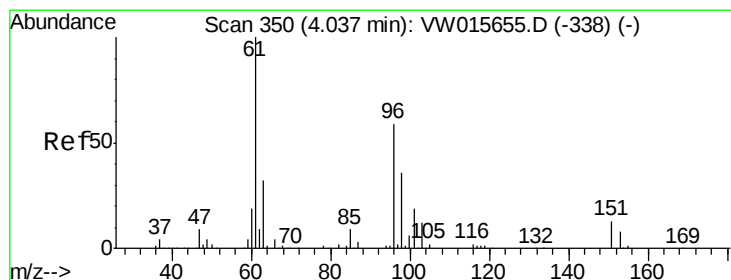
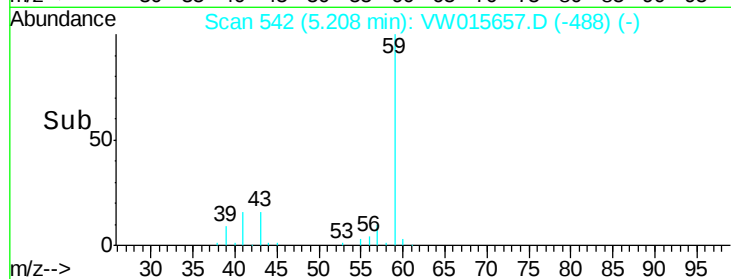
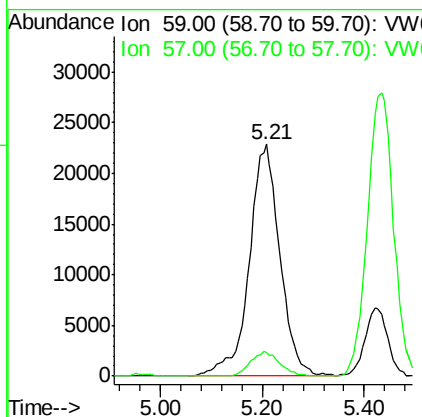
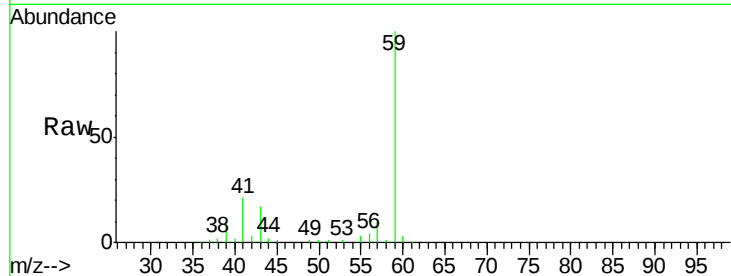
#11
Tert butyl alcohol
Concen: 512.265 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.03 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

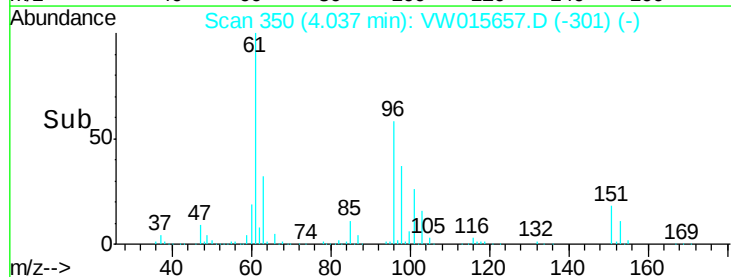
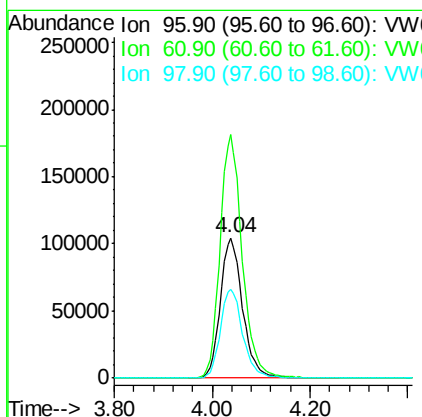
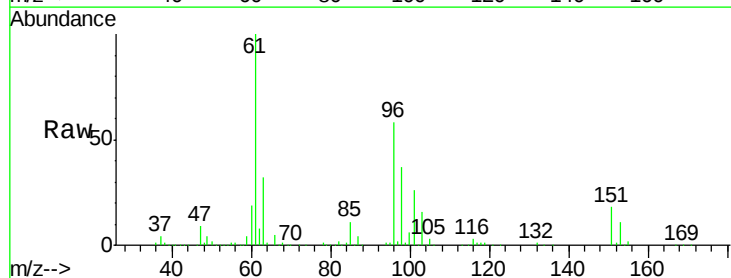
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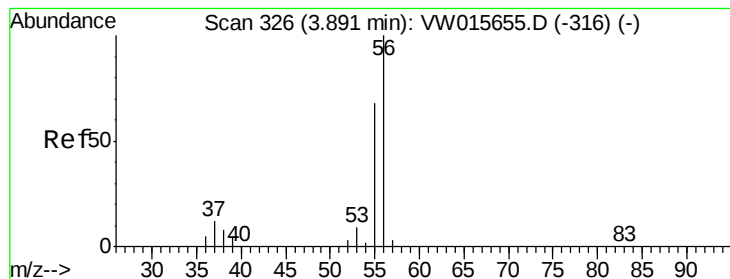
MMDadoda
6/24/2020 10:58:18 AM



#12
1,1-Dichloroethene
Concen: 144.888 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	136.7	205.1
98	63.6	49.2	73.8





#13

Acrolein

Concen: 808.262 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 123674

Ion Ratio Lower Upper

56 100

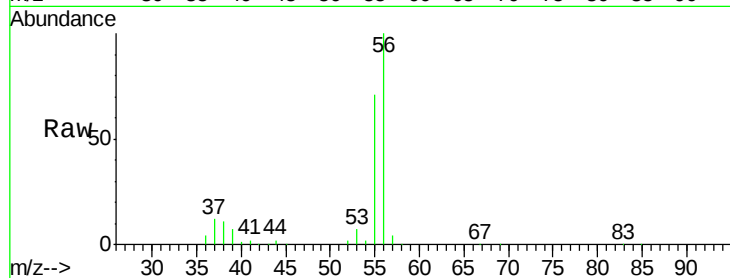
55 72.0 56.2 84.2

Manual Integrations

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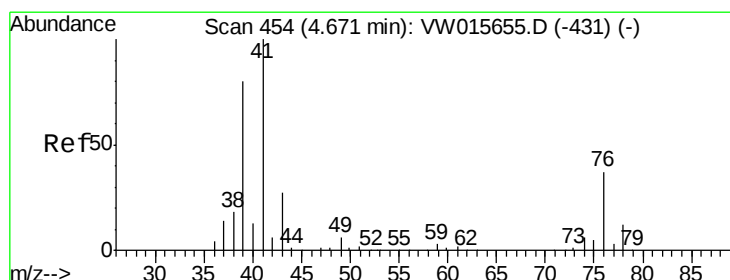
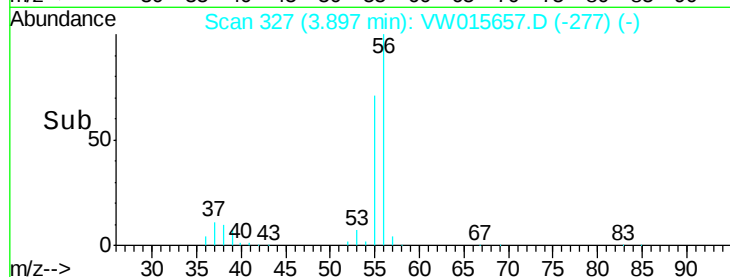
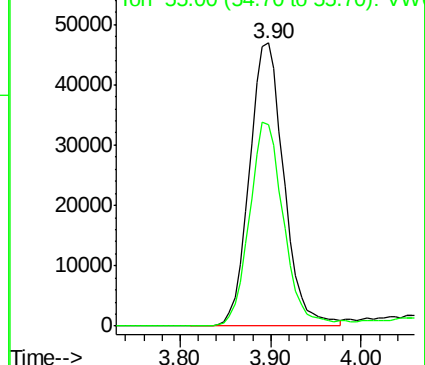
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 143.326 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

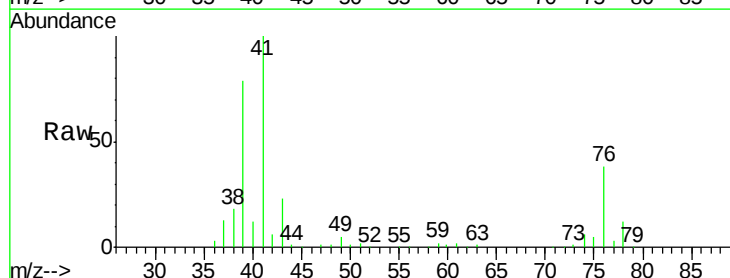
Tgt Ion: 41 Resp: 545442

Ion Ratio Lower Upper

41 100

39 78.5 64.6 97.0

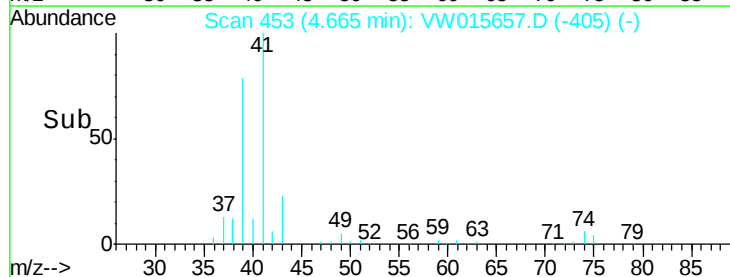
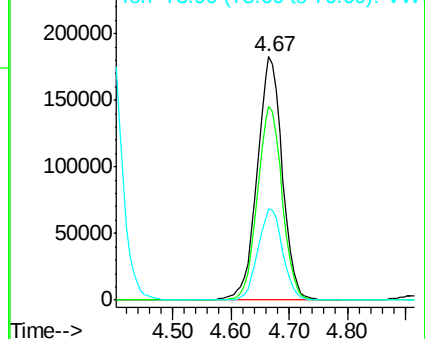
76 36.4 29.1 43.7

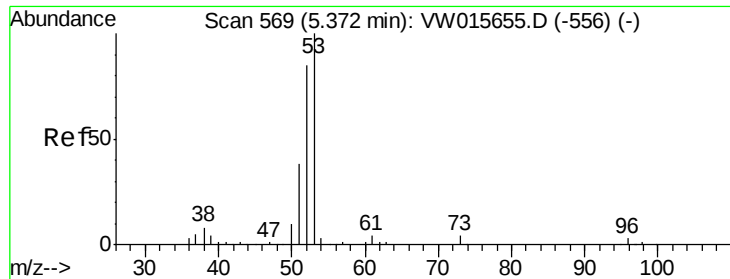


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 716.063 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

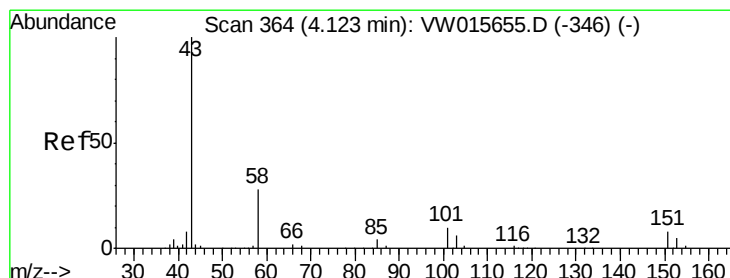
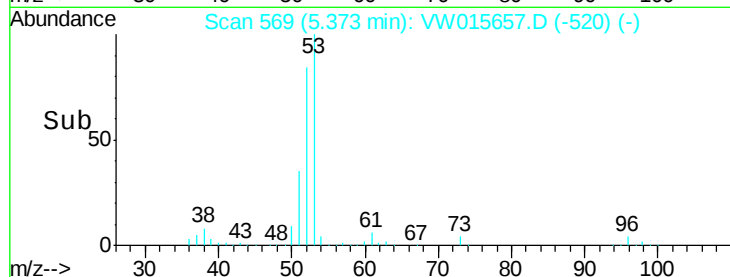
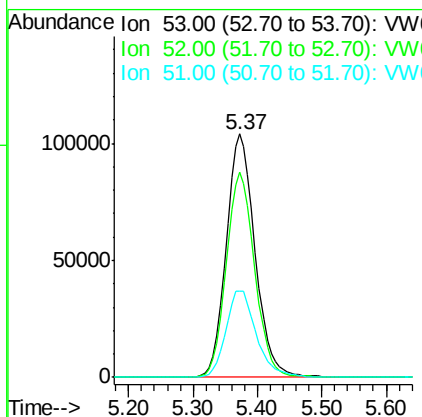
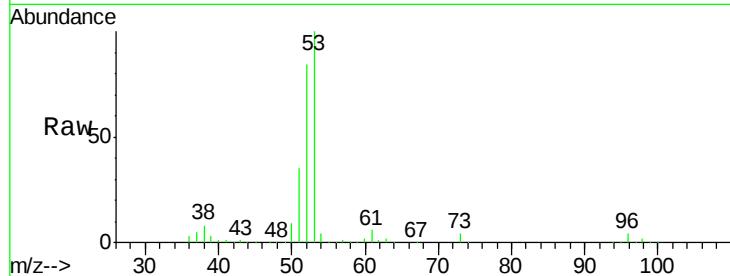
ClientSampleId :

VSTDICC150

Tot Ion:	53	Resp:	326035
Ion Ratio	Lower	Upper	
53	100		
52	83.4	65.8	98.6
51	37.8	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 648.050 ug/l

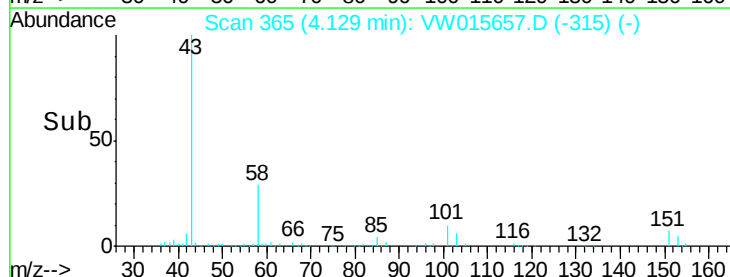
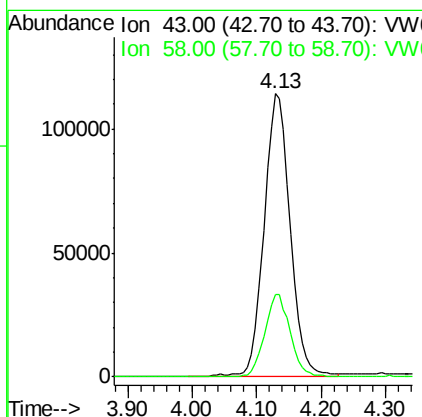
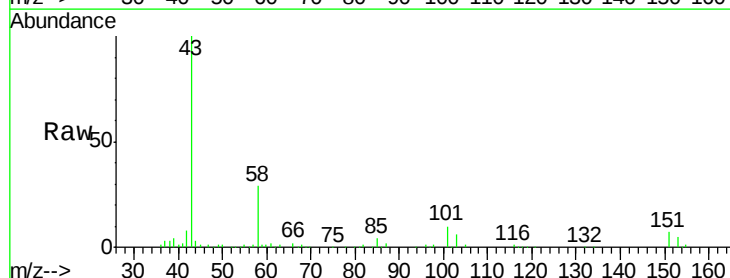
RT: 4.13 min Scan# 365

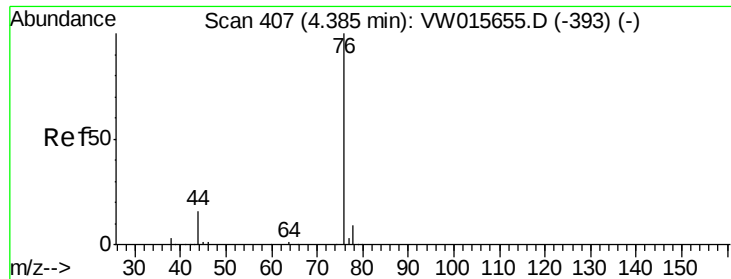
Delta R.T. 0.01 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Tgt Ion:	43	Resp:	322766
Ion Ratio	Lower	Upper	
43	100		
58	29.3	22.6	33.8





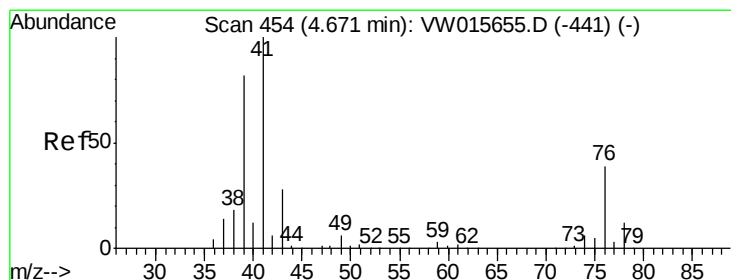
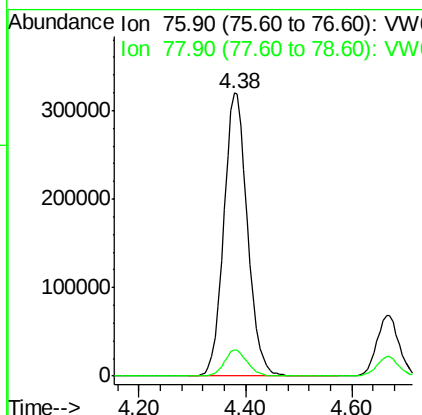
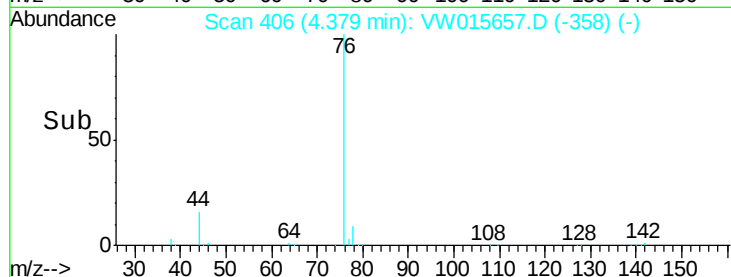
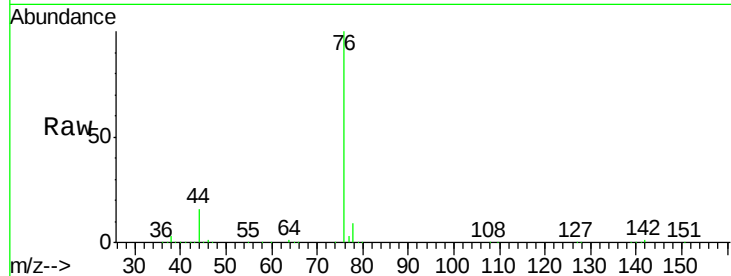
#17
Carbon Disulfide
Concen: 146.331 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

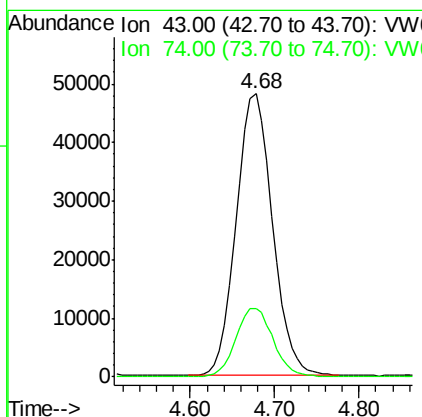
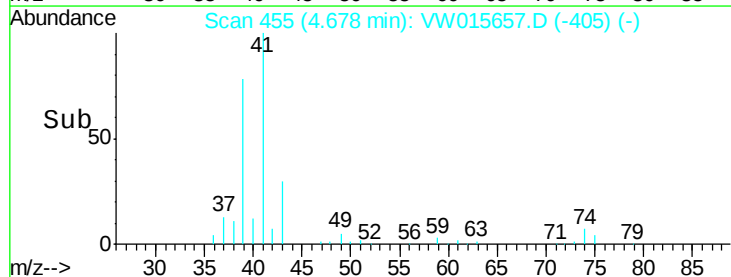
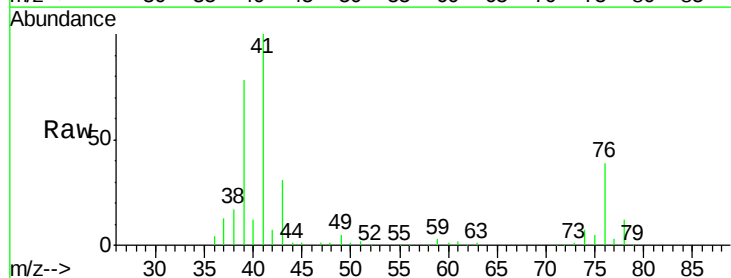
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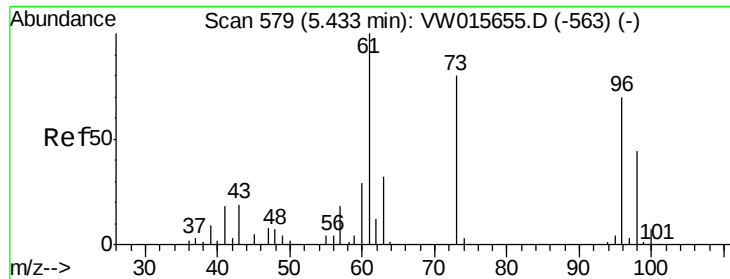
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#18
Methyl Acetate
Concen: 129.898 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.0	28.6





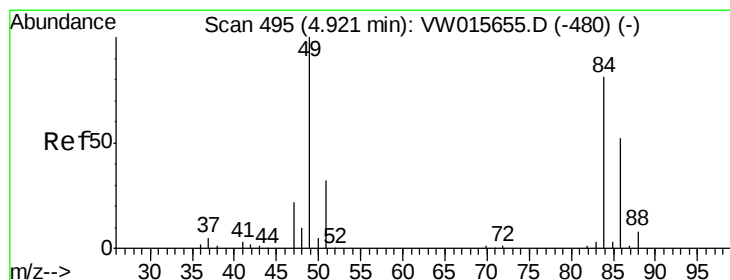
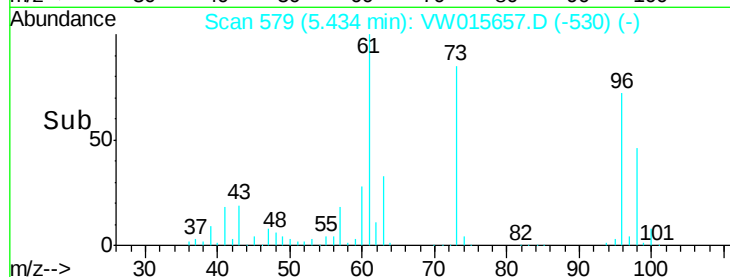
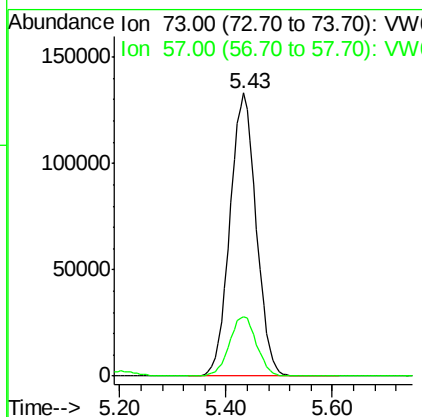
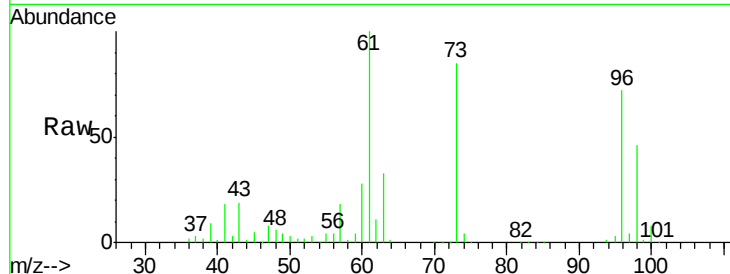
#19
Methvl tert-butvl Ether
Concen: 133.208 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 456642
Ion Ratio Lower Upper
73 100
57 21.0 18.1 27.1

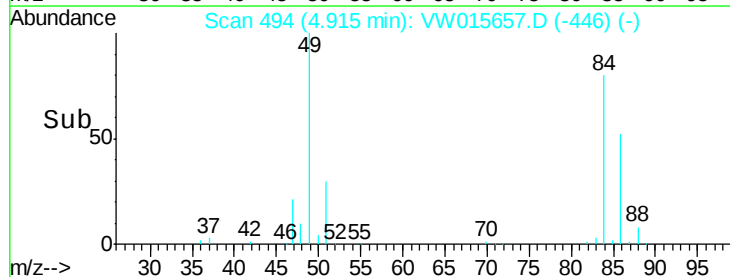
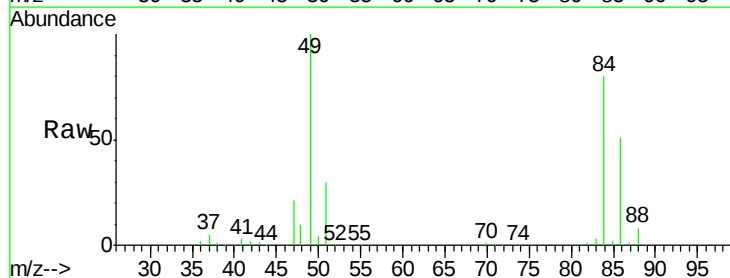
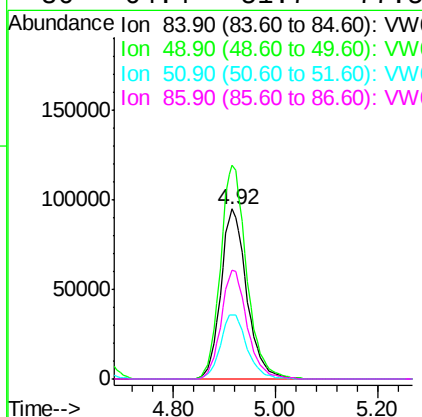
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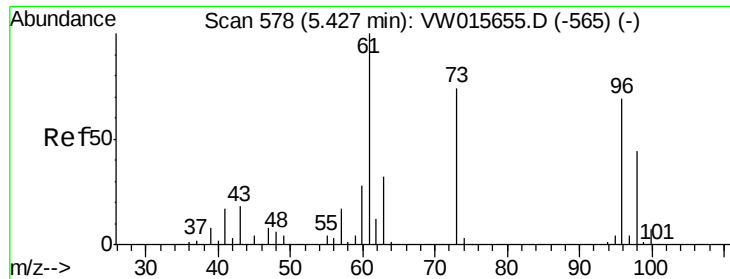
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#20
Methylene Chloride
Concen: 129.221 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion: 84 Resp: 333329
Ion Ratio Lower Upper
84 100
49 125.7 99.3 148.9
51 38.0 31.8 47.6
86 64.4 51.7 77.5





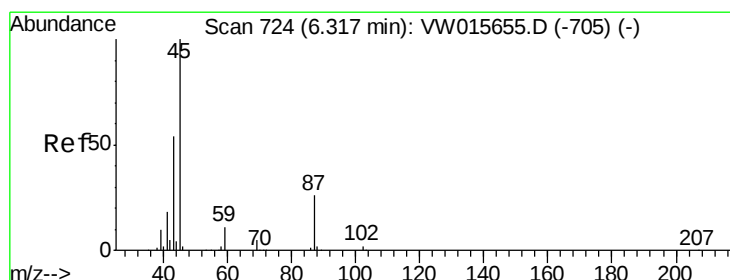
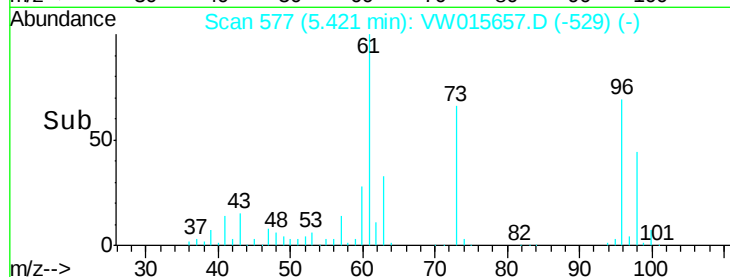
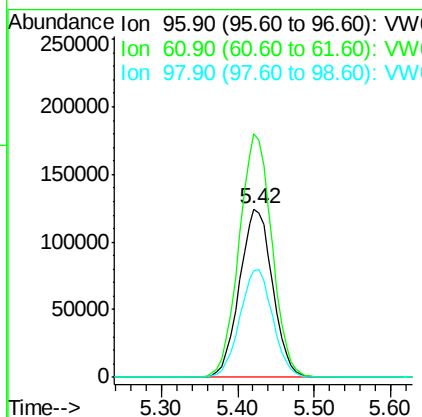
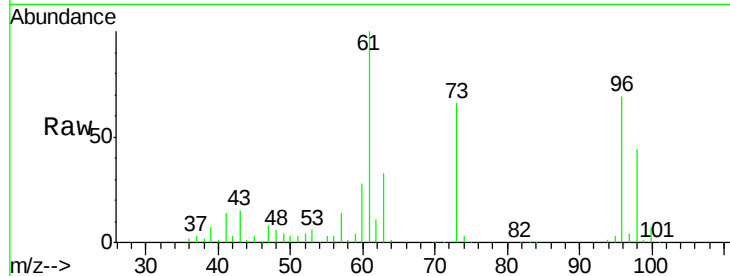
#21
trans-1,2-Dichloroethene
Concen: 146.078 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	116.2	174.2
98	63.6	51.4	77.0

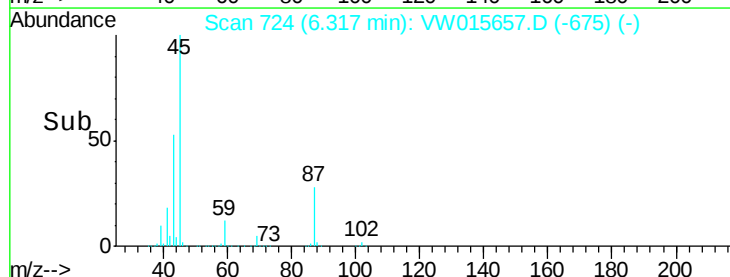
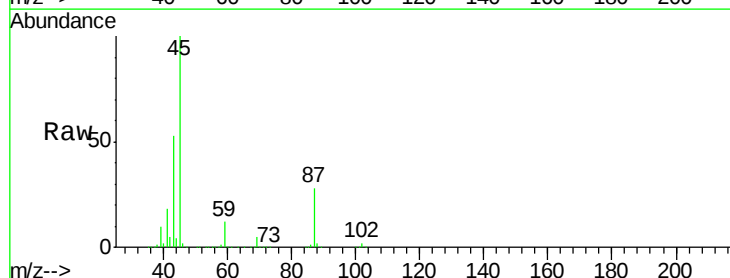
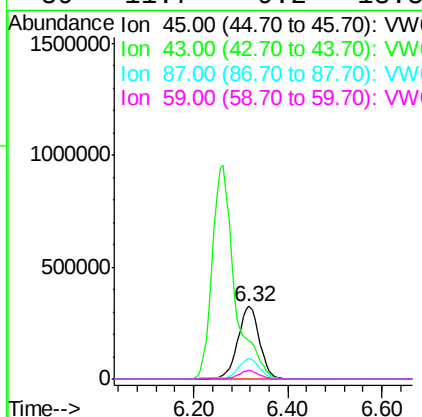
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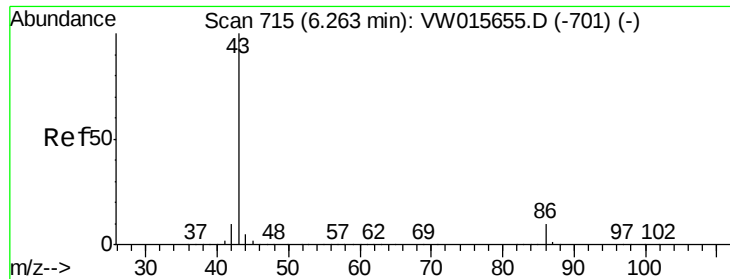
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#22
Diisopropyl ether
Concen: 142.922 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.2	43.9	65.9
87	27.9	21.2	31.8
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 744.826 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3154863

Ion Ratio Lower Upper

43 100

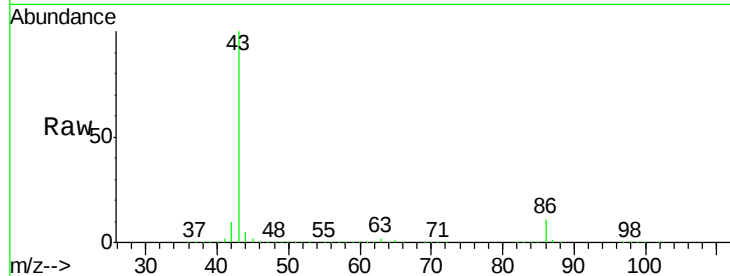
86 10.7 8.3 12.5

Manual Integrations

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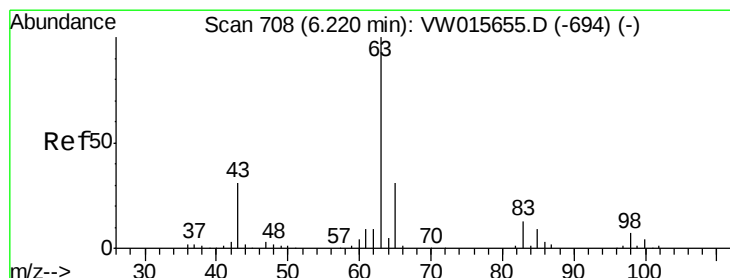
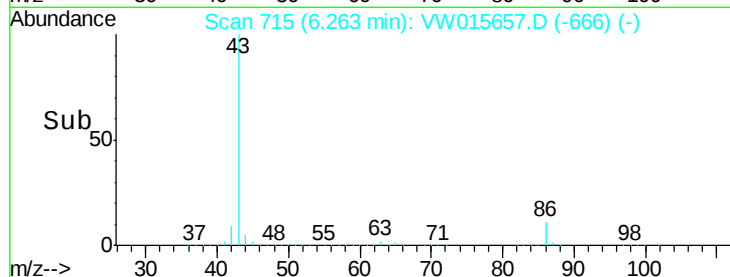
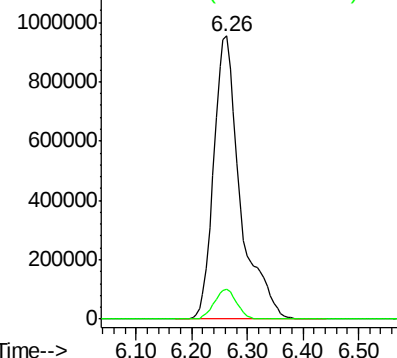
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 144.184 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

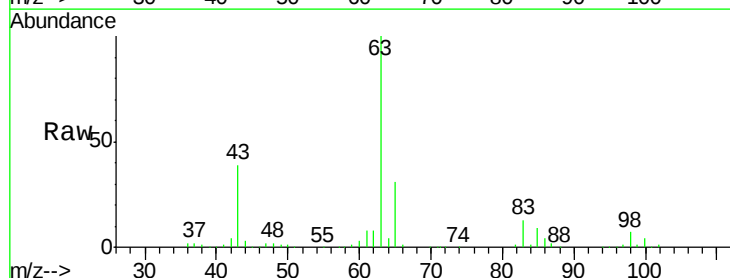
Tgt Ion: 63 Resp: 656534

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

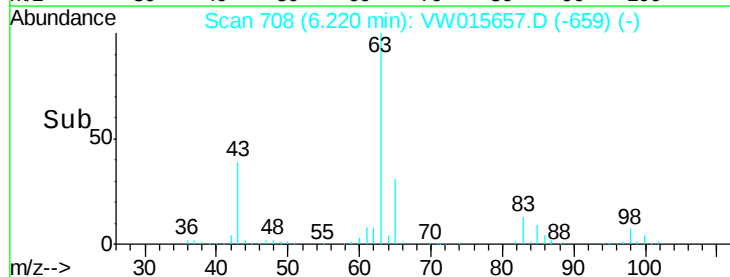
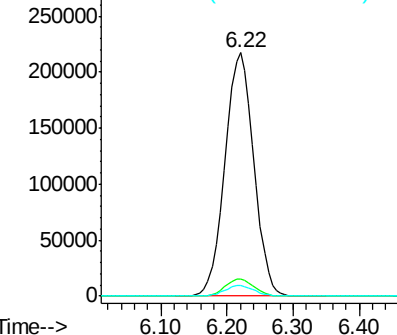
100 4.3 2.1 6.3

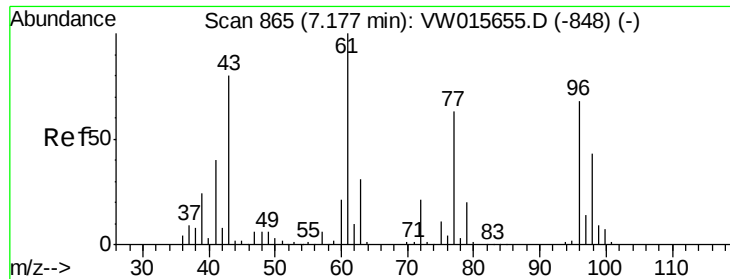


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





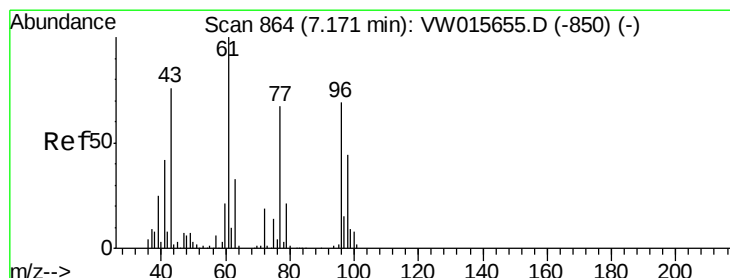
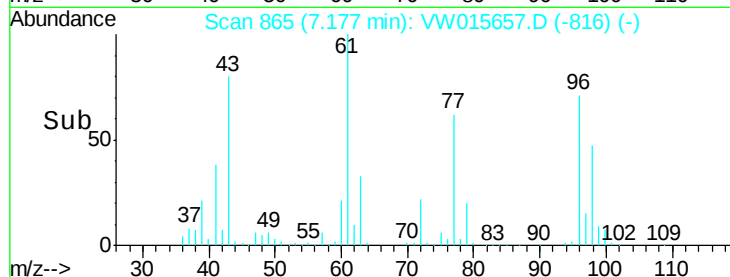
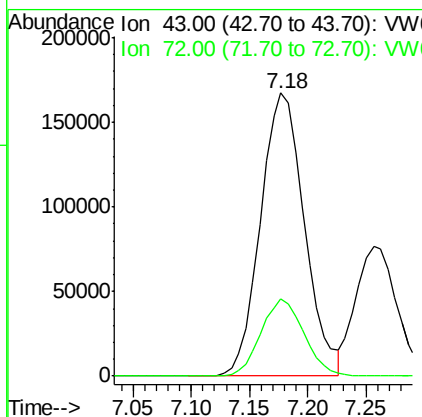
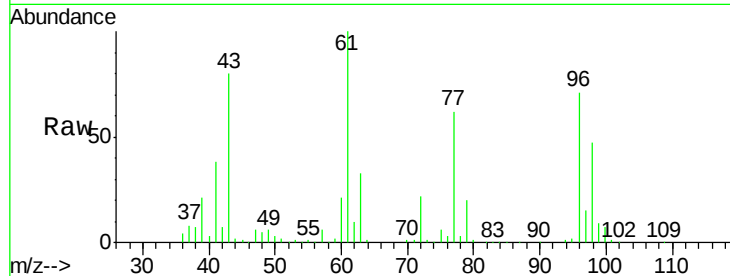
#25
2-Butanone
Concen: 681.864 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 436919
Ion Ratio Lower Upper
43 100
72 27.5 21.1 31.7

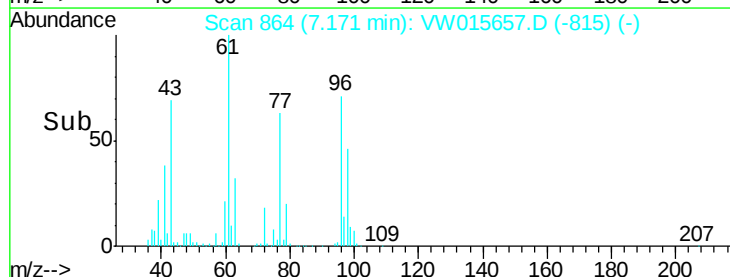
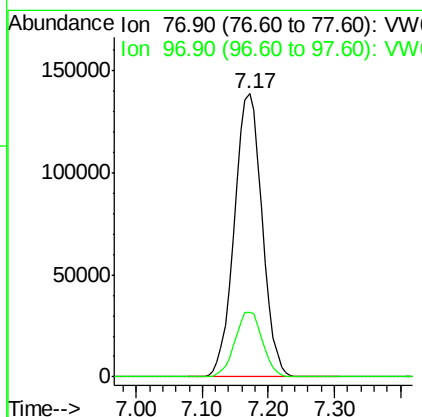
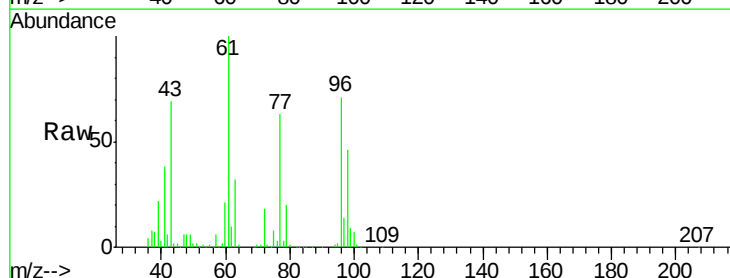
Manual Integrations
APPROVED

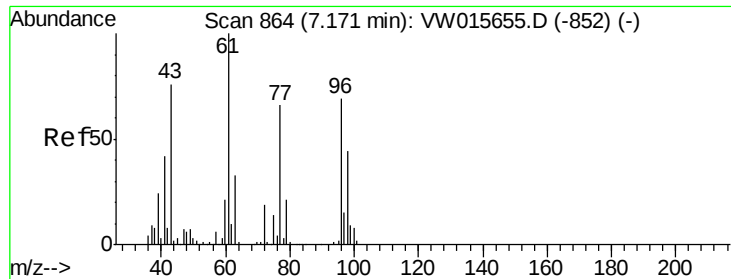
MMDadoda
6/24/2020 10:58:18 AM



#26
2,2-Dichloropropane
Concen: 126.421 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion: 77 Resp: 403926
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.5





#27

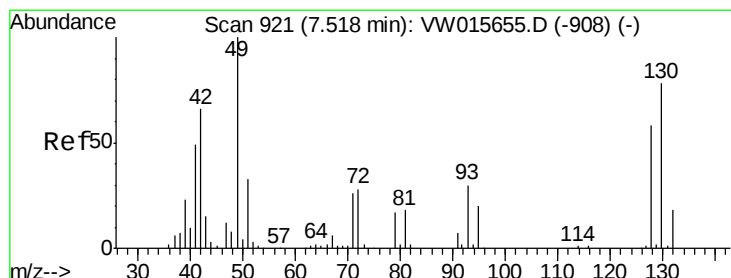
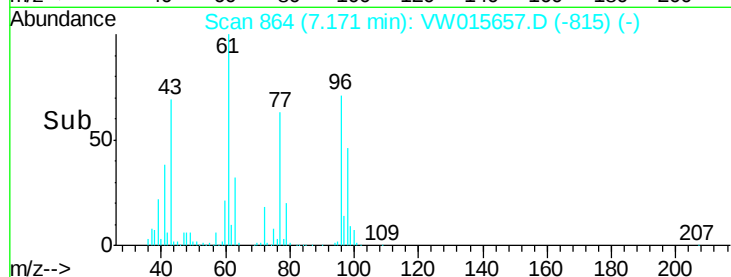
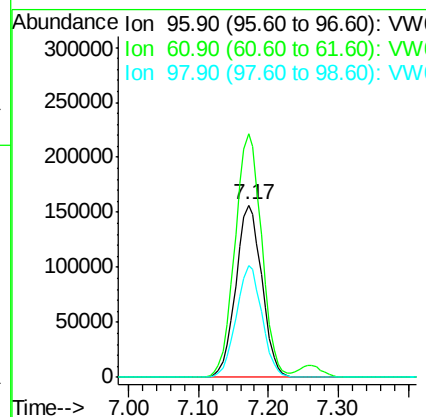
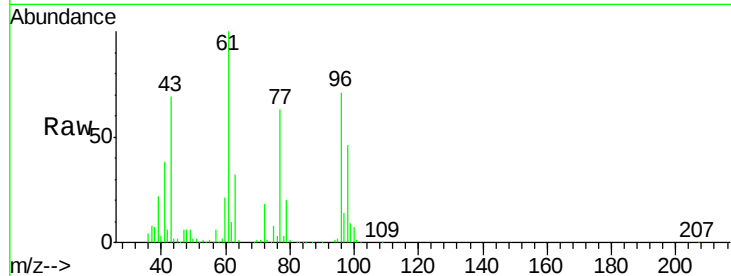
cis-1,2-Dichloroethene
Concen: 145.593 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	296.8
98	64.1	0.0	128.0

Manual Integrations
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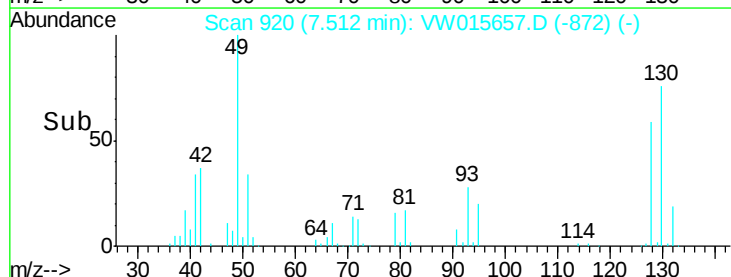
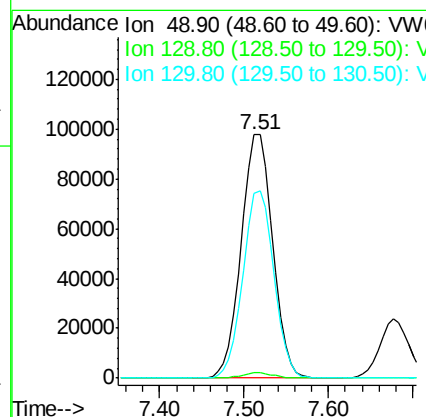
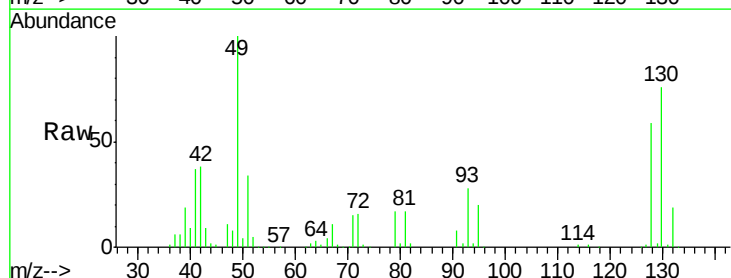
MMDadoda
6/24/2020 10:58:18 AM

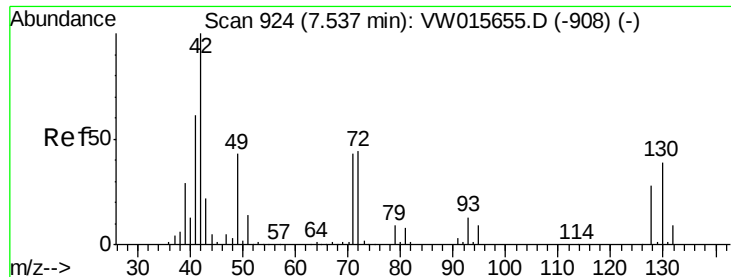


#28

Bromochloromethane
Concen: 144.720 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.2
130	75.5	61.0	91.4





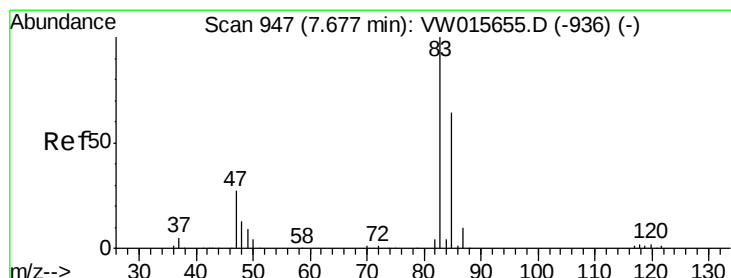
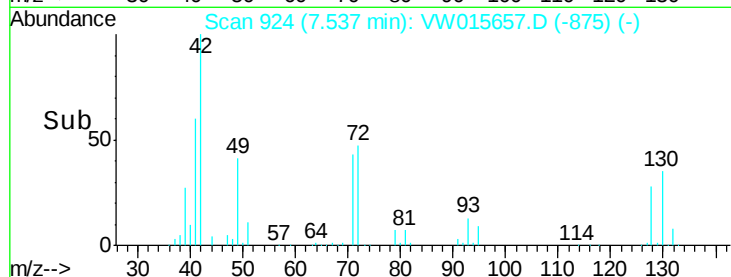
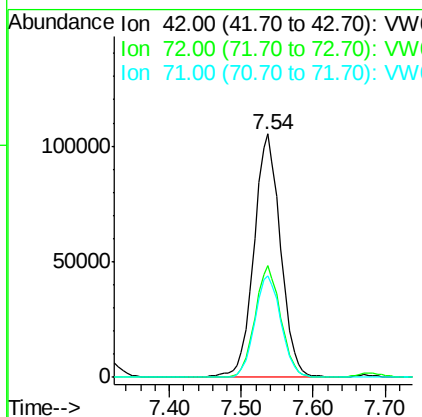
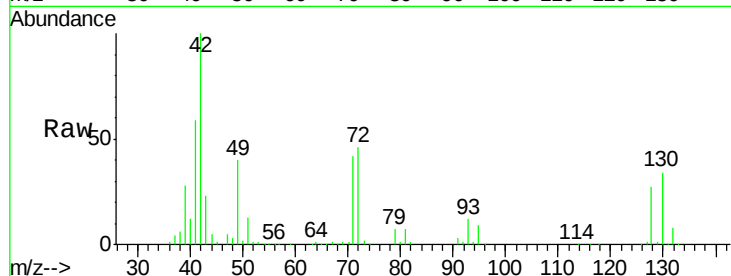
#29
Tetrahydrofuran
Concen: 705.700 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.0	52.6
71	41.4	32.6	49.0

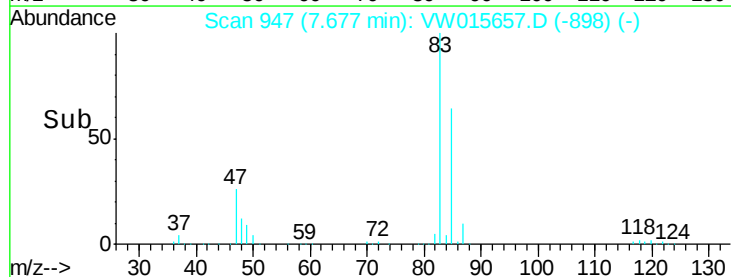
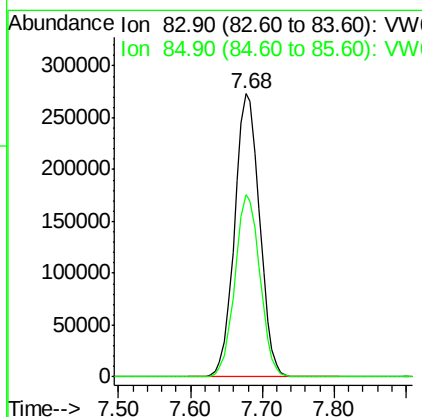
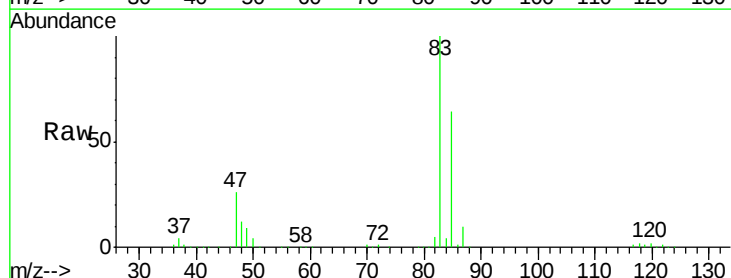
Manual Integrations
APPROVED

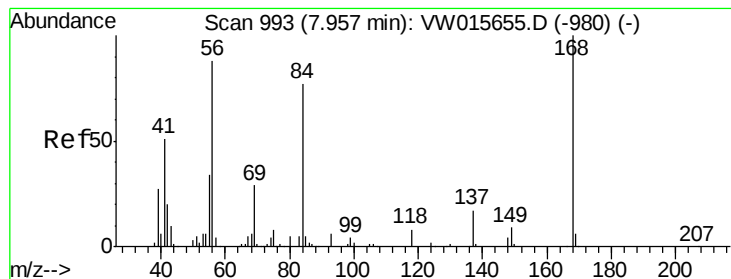
MMDadoda
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#30
Chloroform
Concen: 143.108 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4





#31

Cyclohexane

Concen: 133.846 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

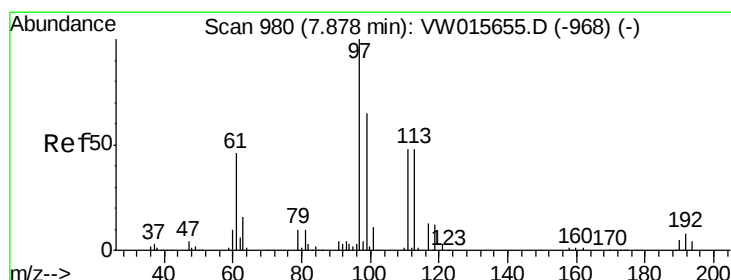
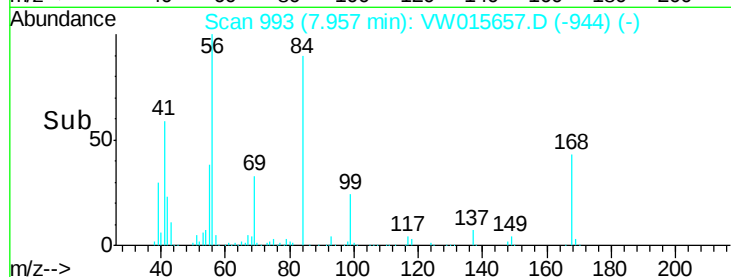
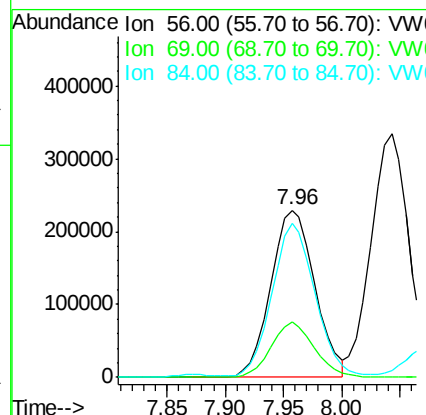
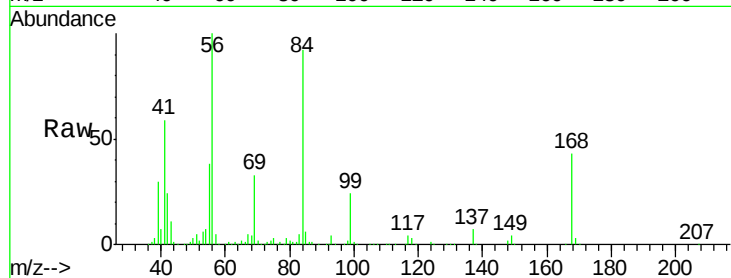
ClientSampled :

VSTDIC150

Tot Ion	56	Resp	601285
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.2	39.4
84	90.5	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 142.173 ug/l

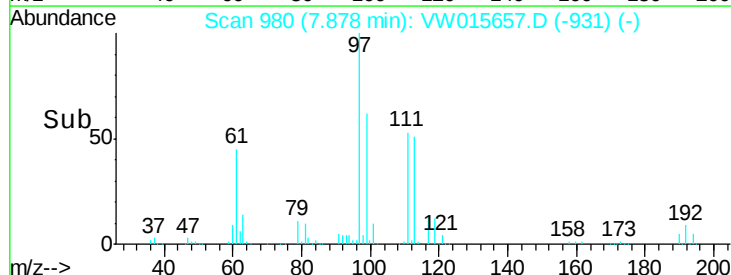
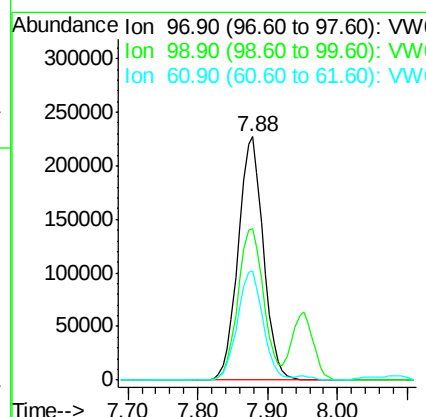
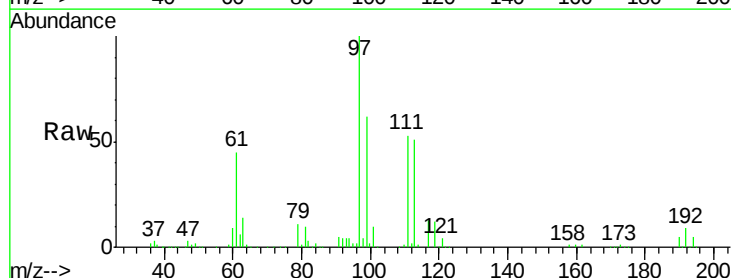
RT: 7.88 min Scan# 980

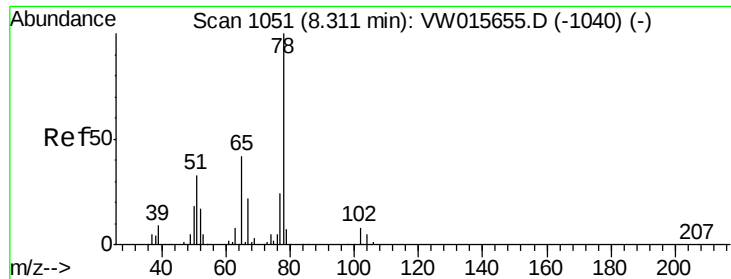
Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Tgt Ion	97	Resp	566614
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	45.8	37.3	55.9





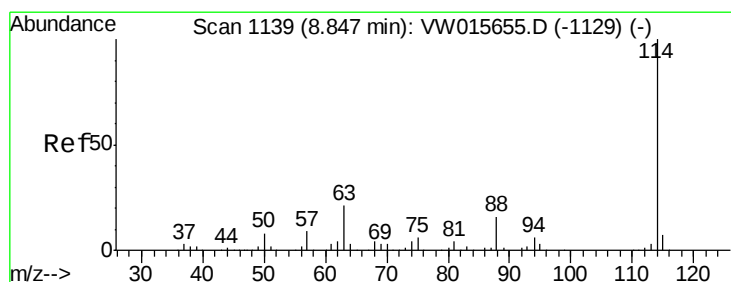
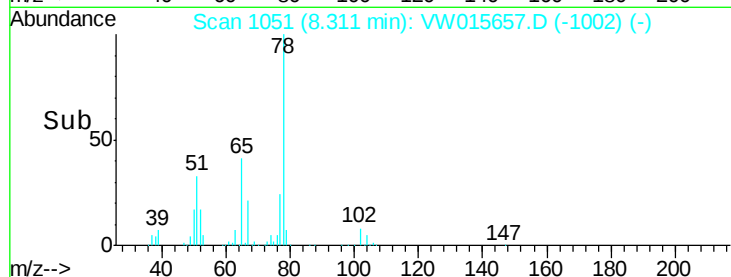
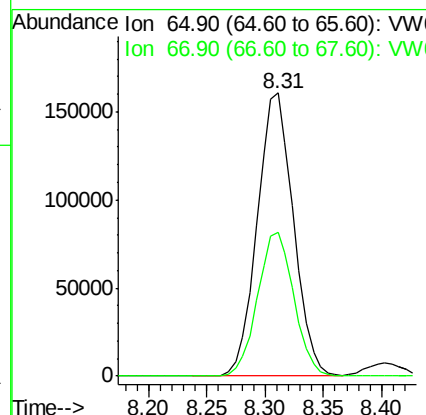
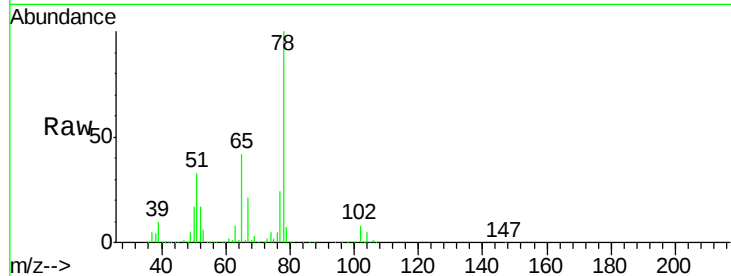
#33
 1,2-Dichloroethane-d4
 Concen: 141.461 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	348233		
67	51.1	0.0	102.2	

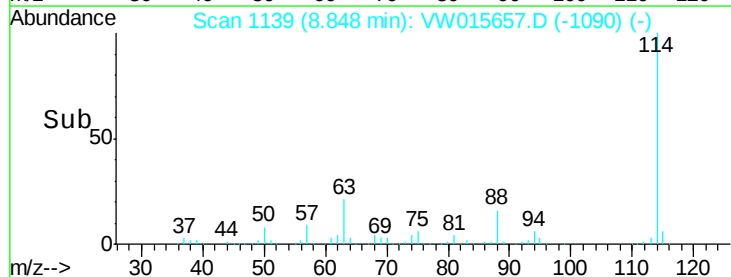
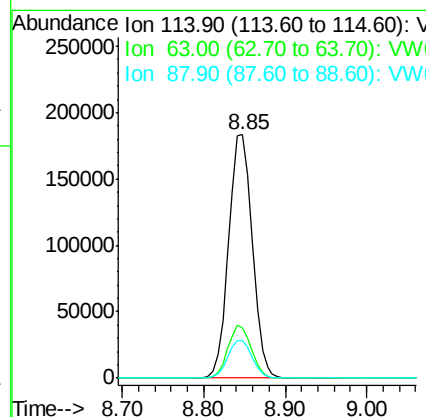
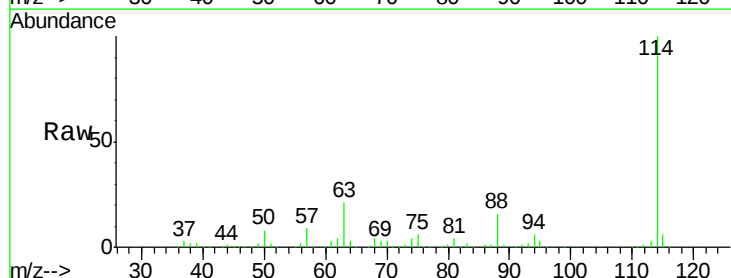
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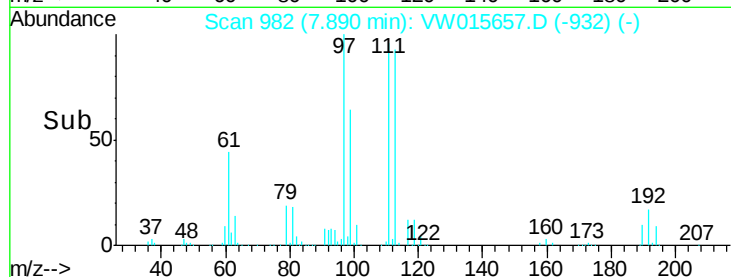
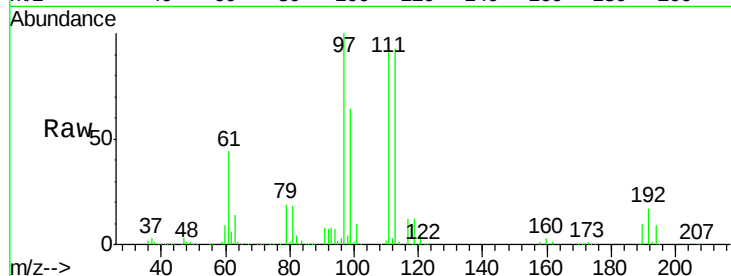
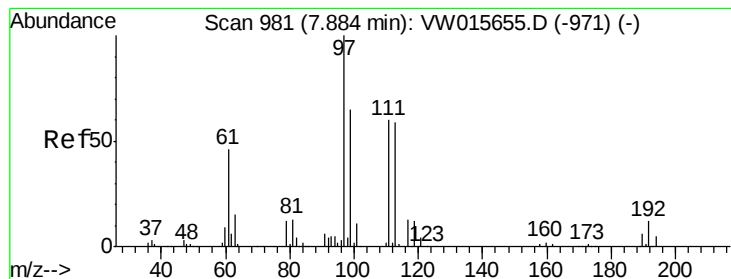
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 6/24/2020 10:58:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	366385		
63	20.6	0.0	42.4	
88	15.6	0.0	32.6	





#35

Dibromofluoromethane

Concen: 148.181 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015657.D

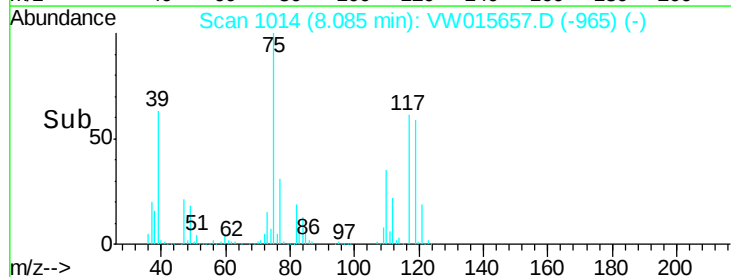
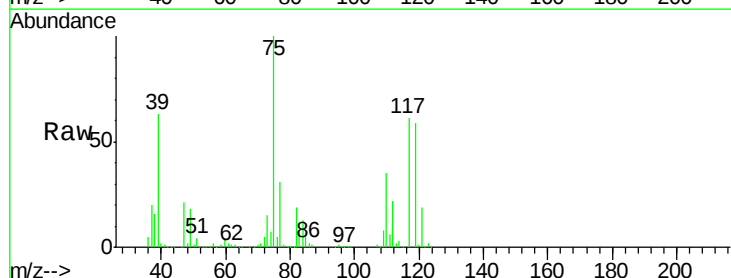
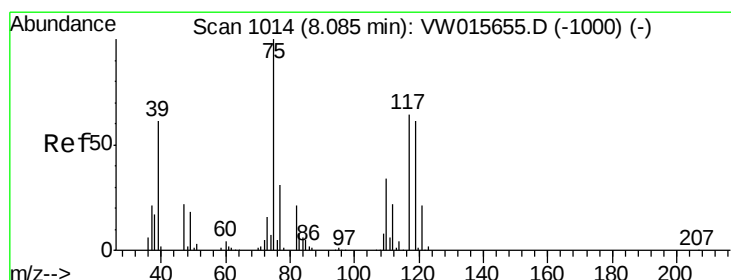
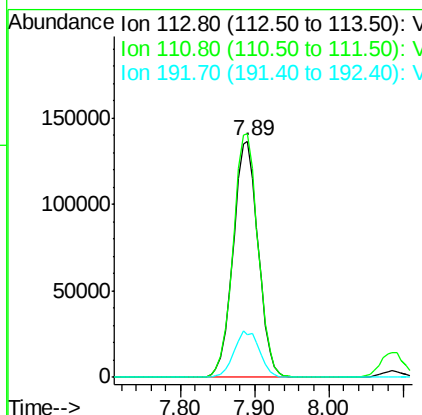
Acq: 23 Jun 2020 12:50

Tot Ion:	113	Resp:	321733
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.3	123.5
192	20.0	16.4	24.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

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#36

1,1-Dichloropropene

Concen: 143.986 ug/l

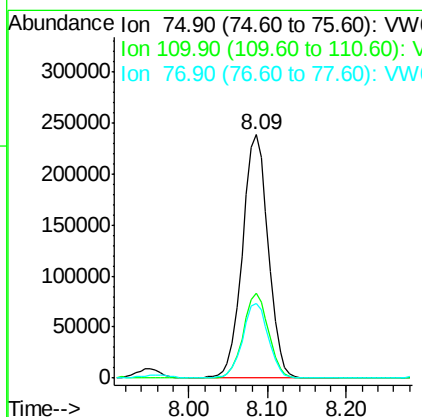
RT: 8.09 min Scan# 1014

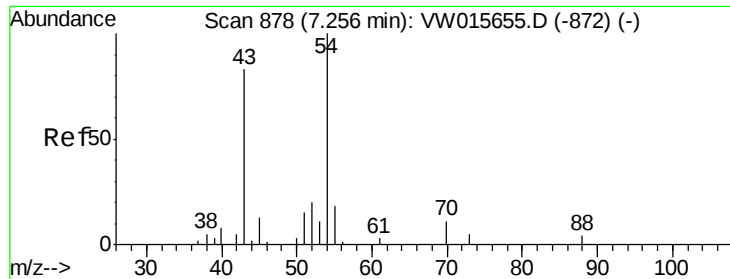
Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Tgt Ion:	75	Resp:	540116
Ion Ratio	Lower	Upper	
75	100		
110	34.1	17.0	51.0
77	30.9	24.6	36.8





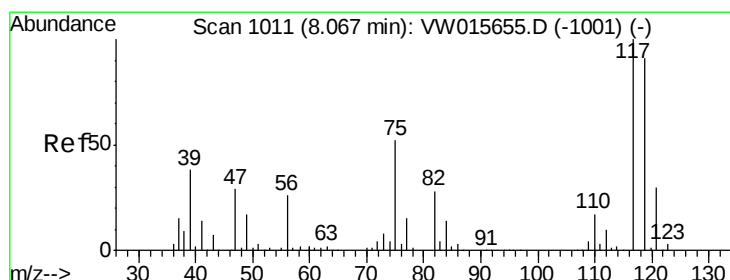
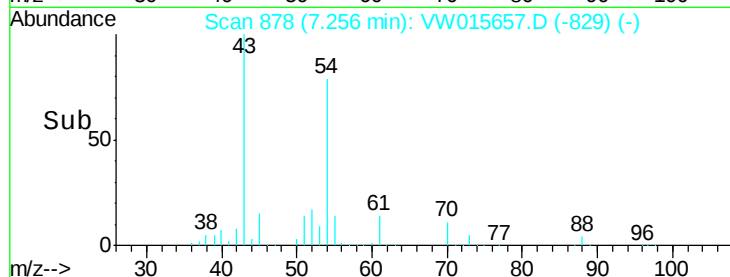
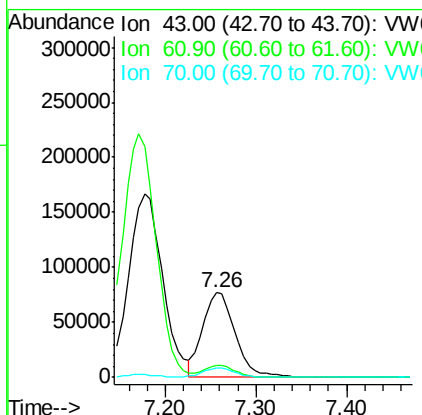
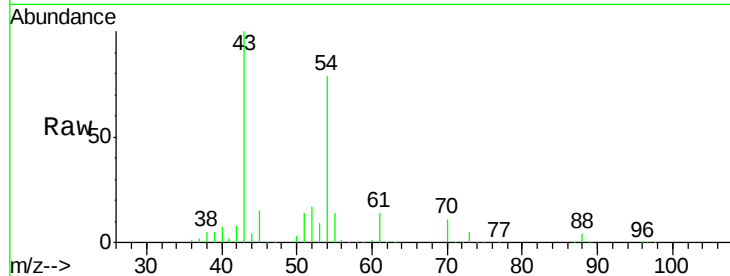
#37
Ethyl Acetate
Concen: 135.949 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.4	15.6
70	10.9	8.4	12.6

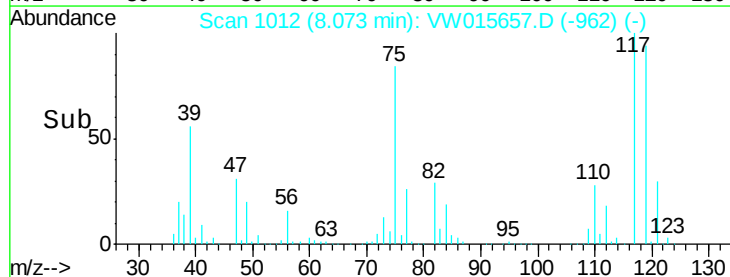
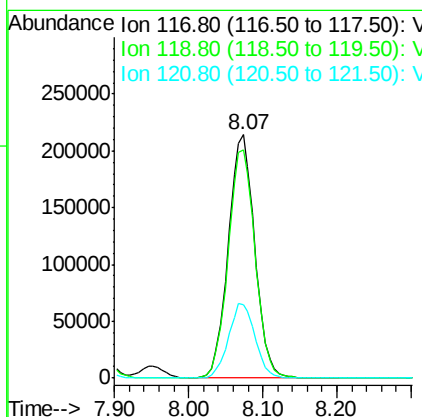
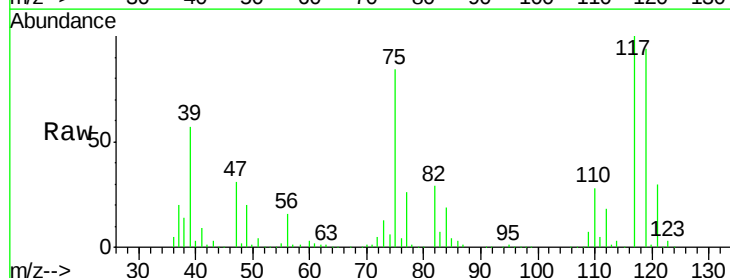
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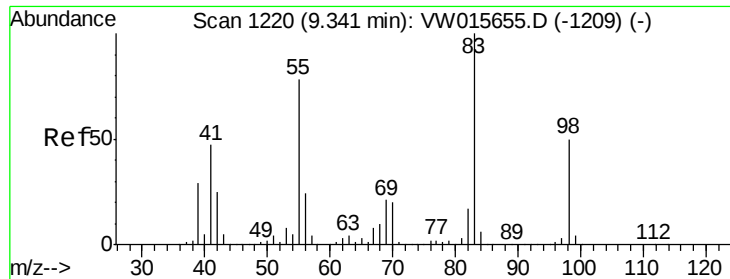
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#38
Carbon Tetrachloride
Concen: 145.194 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.2	109.8
121	29.9	23.9	35.9





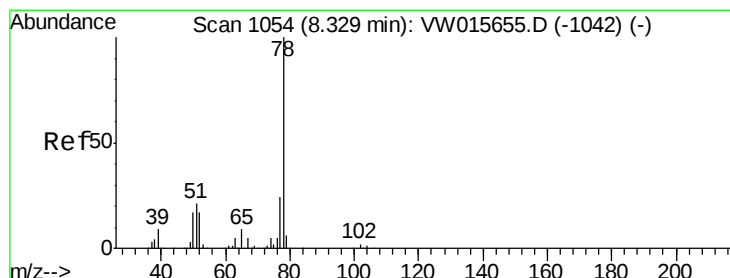
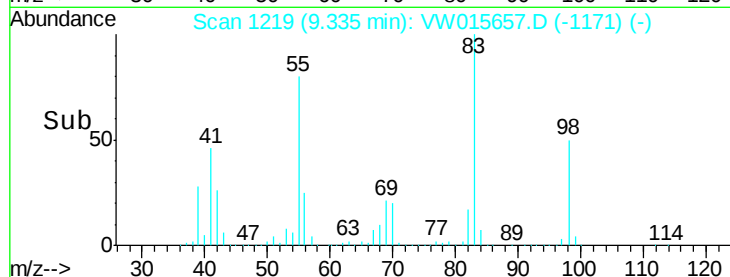
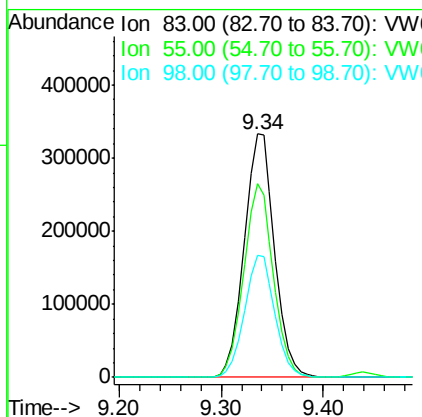
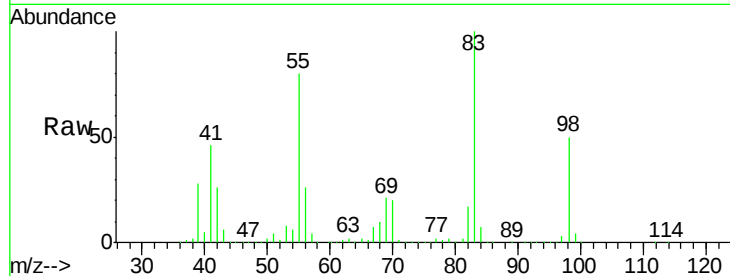
#39
Methvlcvclohexane
Concen: 148.811 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	62.8	94.2
98	50.3	39.9	59.9

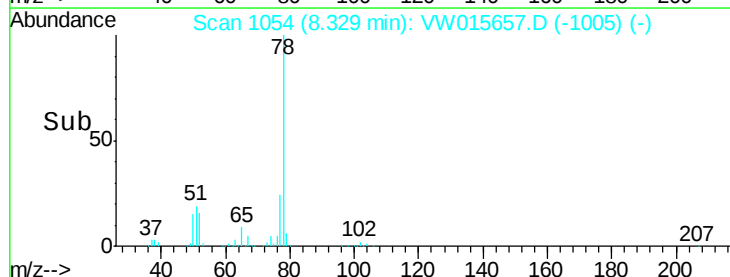
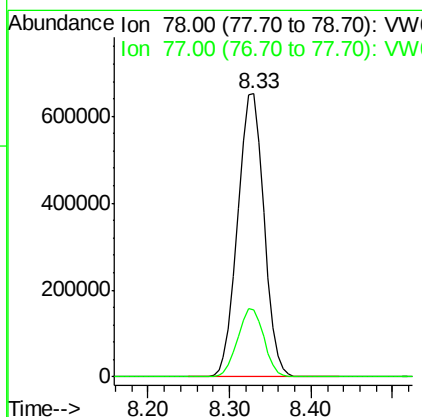
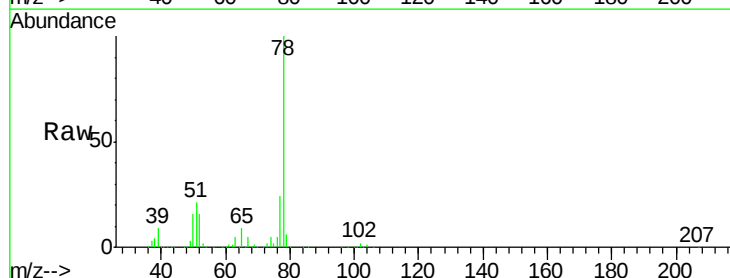
Manual Integrations
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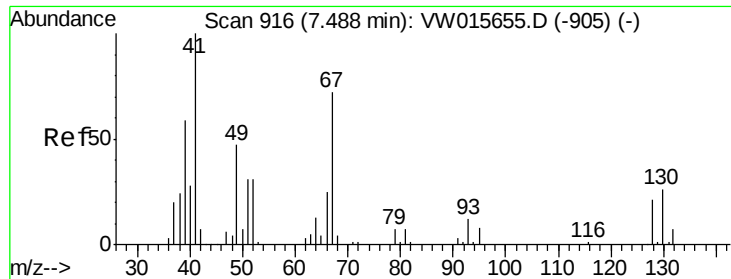
MMDadoda
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#40
Benzene
Concen: 144.069 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9





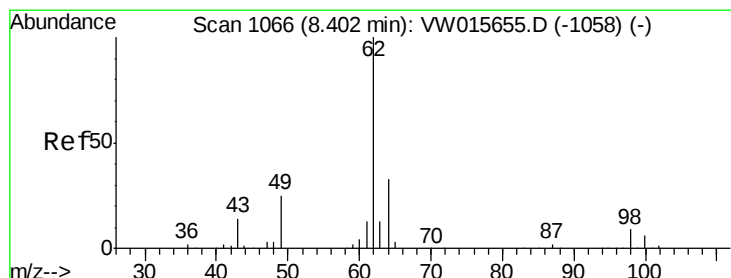
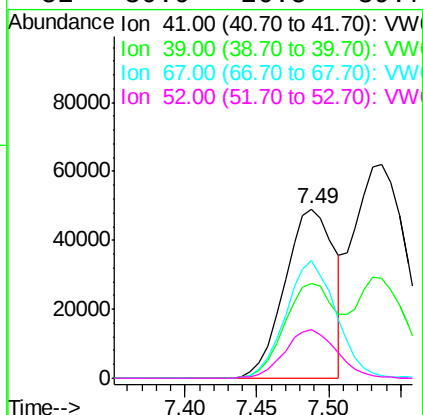
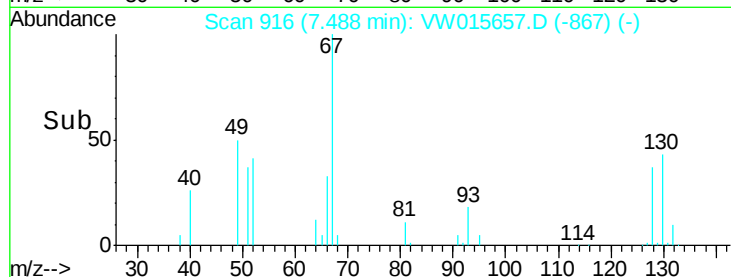
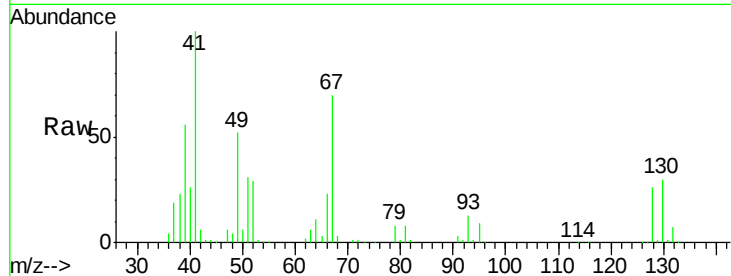
#41
Methacrylonitrile
Concen: 146.899 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	117575
Ion Ratio	Lower	Upper	
41	100		
39	55.7	52.0	78.0
67	71.0	57.5	86.3
52	30.9	26.5	39.7

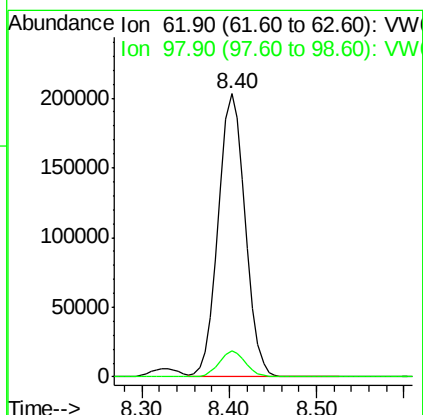
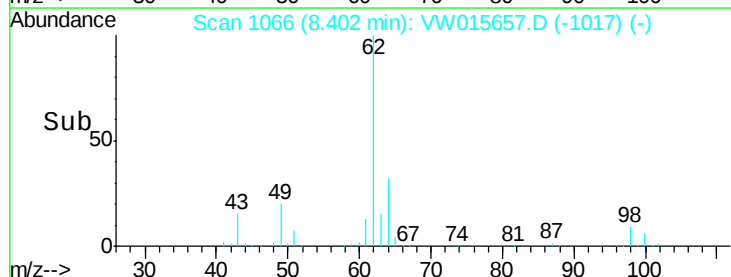
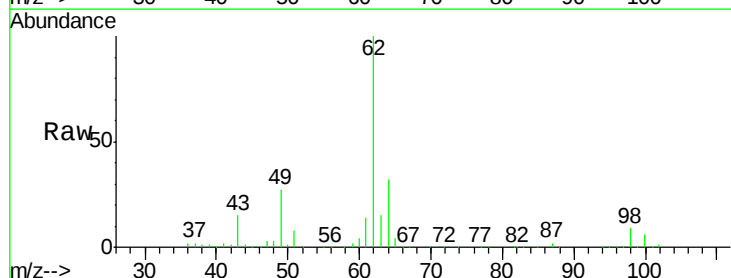
Manual Integrations
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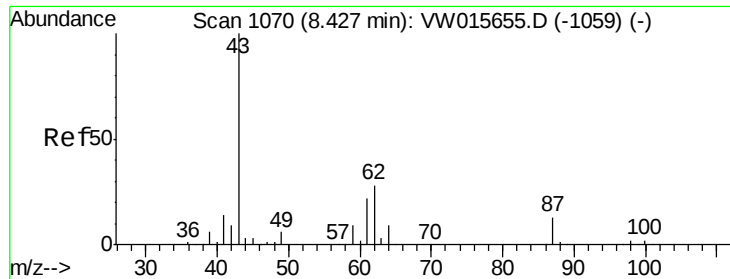
MMDadoda
6/24/2020 10:58:18 AM



#42
1,2-Dichloroethane
Concen: 141.366 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	62	Resp	432922
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	17.4





#43

Isopropyl Acetate

Concen: 143.149 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

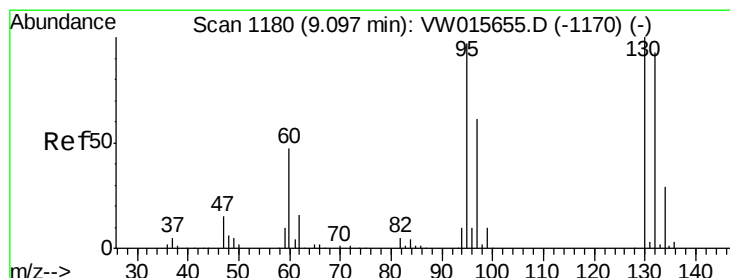
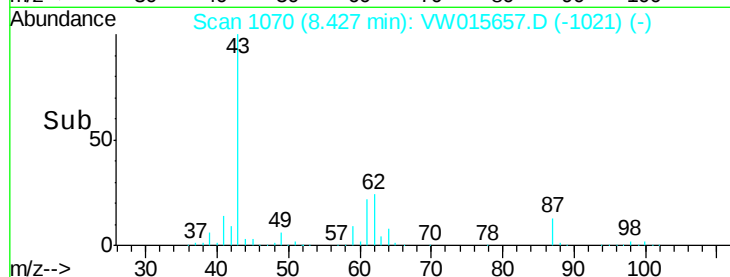
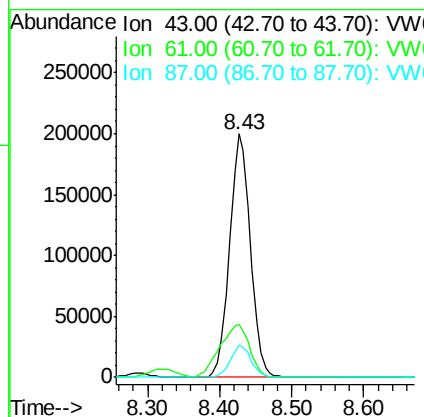
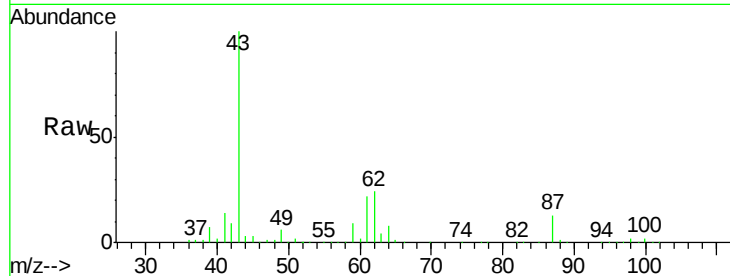
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	401500
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.7	37.1
87	13.2	10.2	15.2

Manual Integrations
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6/24/2020 10:58:18 AM



#44

Trichloroethene

Concen: 144.587 ug/l

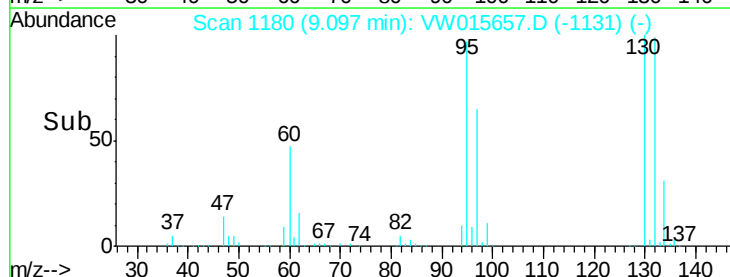
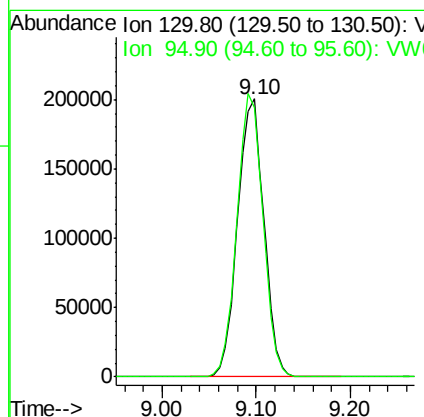
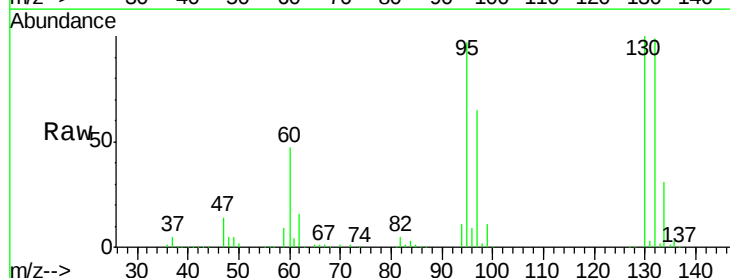
RT: 9.10 min Scan# 1180

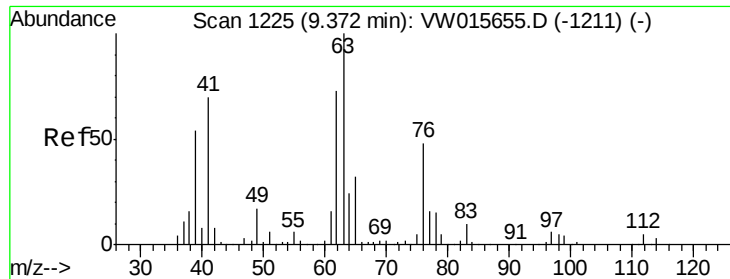
Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Tgt Ion:	130	Resp:	390625
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	194.4





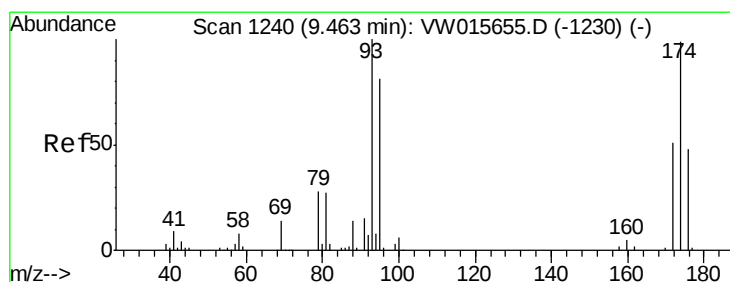
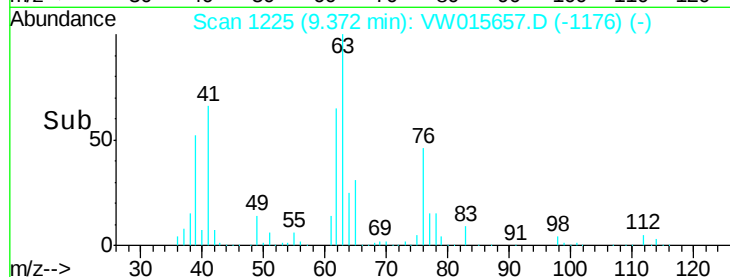
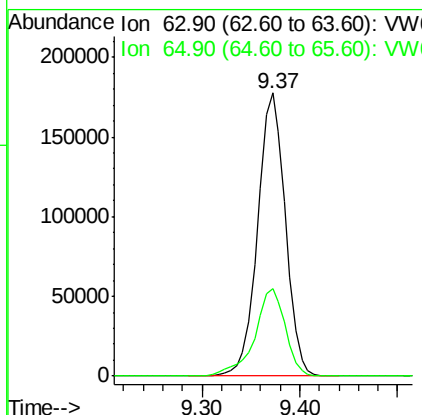
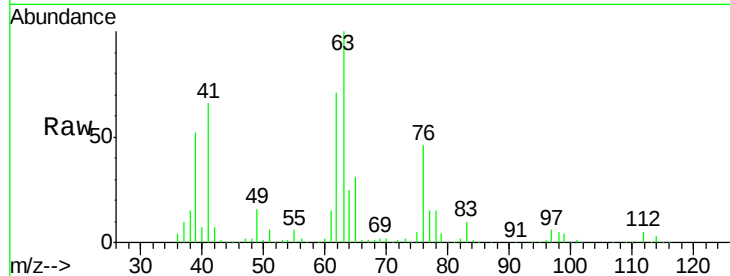
#45
 1,2-Dichloropropane
 Concen: 143.547 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 351584
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.3 37.9

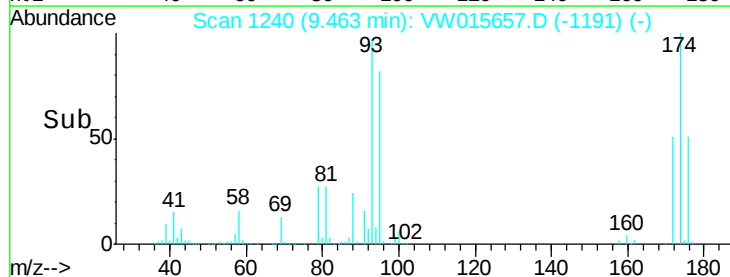
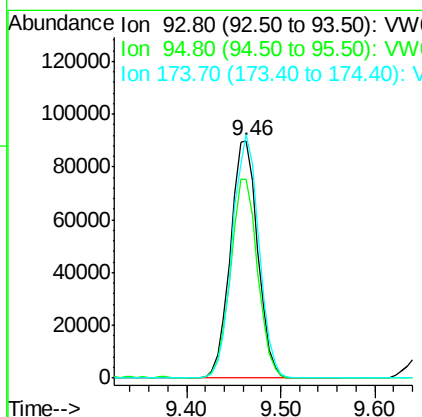
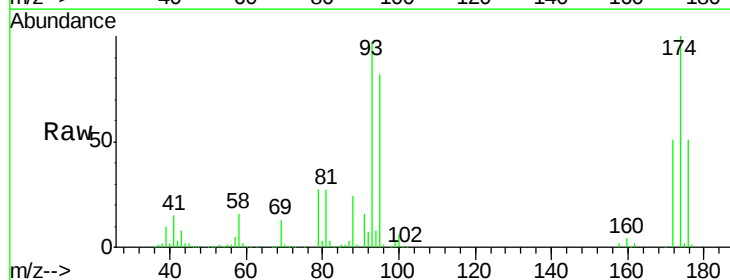
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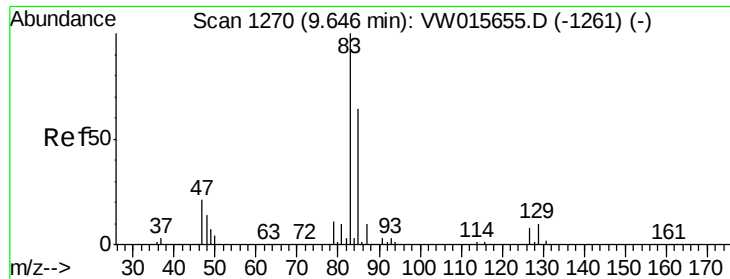
MMDadoda
 6/24/2020 10:58:18 AM



#46
 Dibromomethane
 Concen: 145.125 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Tgt Ion: 93 Resp: 180291
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.7 98.5
 174 99.7 79.0 118.6





#47

Bromodichloromethane

Concen: 145.792 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

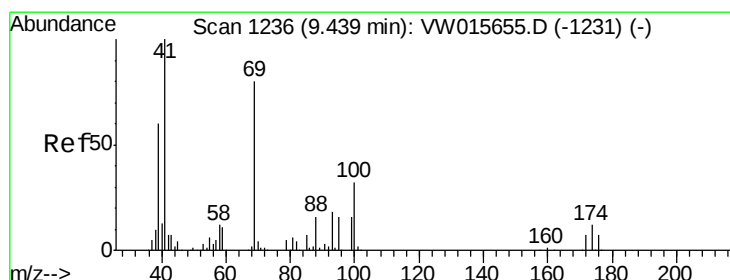
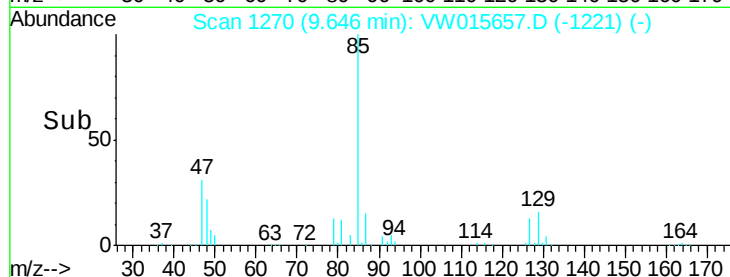
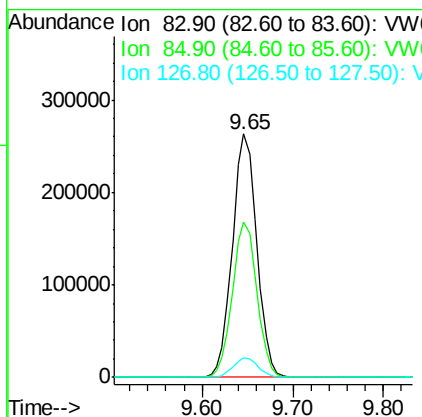
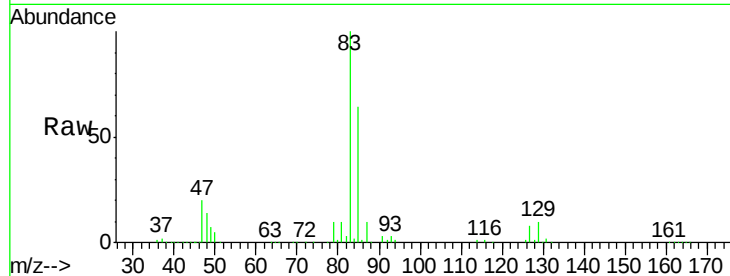
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	491097
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.8	76.2
127	8.1	6.3	9.5

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 150.031 ug/l

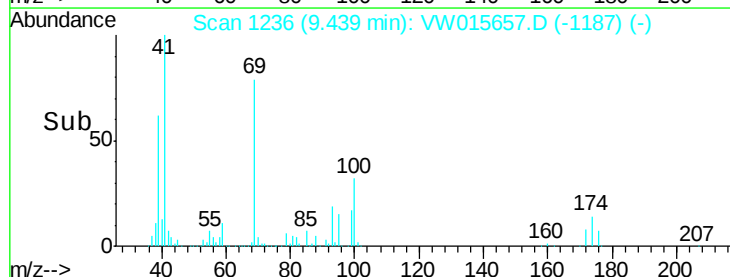
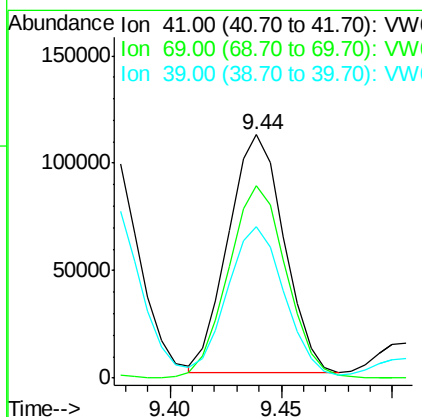
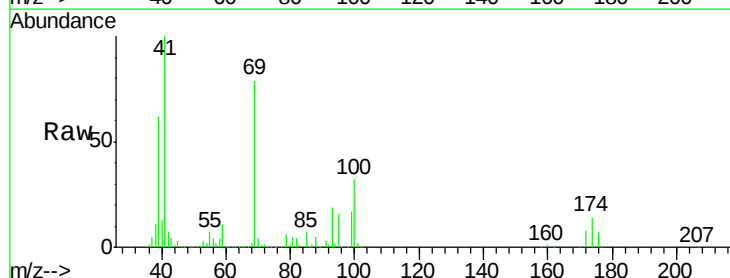
RT: 9.44 min Scan# 1236

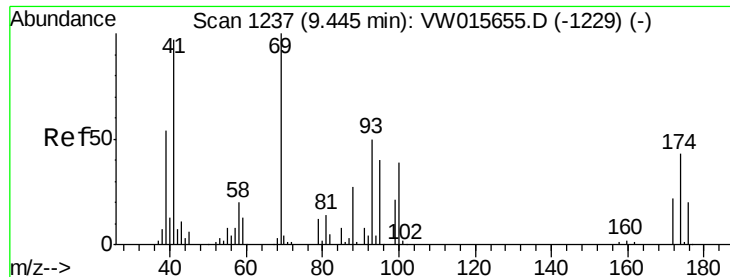
Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Tgt Ion:	41	Resp:	192877
Ion Ratio	Lower	Upper	
41	100		
69	84.8	68.2	102.2
39	62.3	49.8	74.6





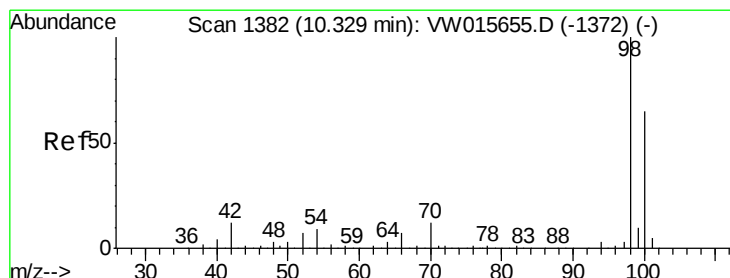
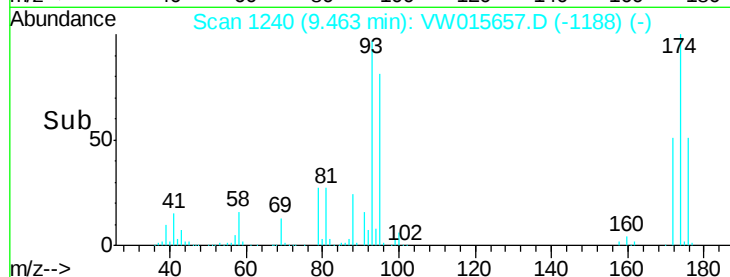
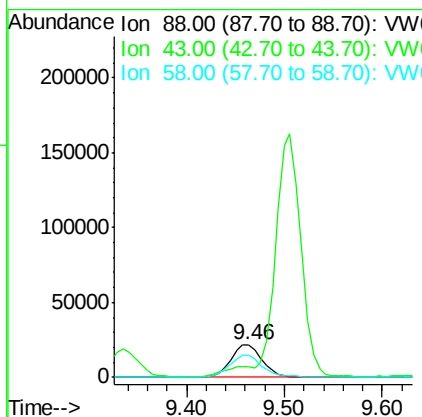
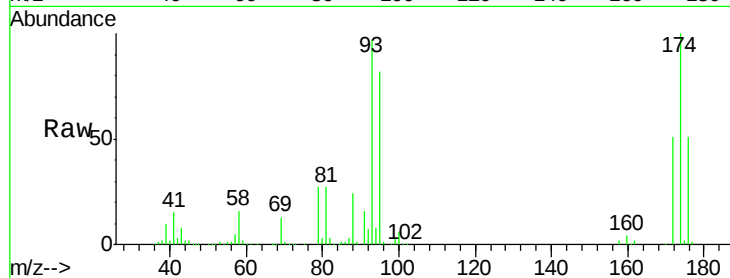
#49
1,4-Dioxane
Concen: 2914.687 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	47689
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	72.9	56.1	84.1

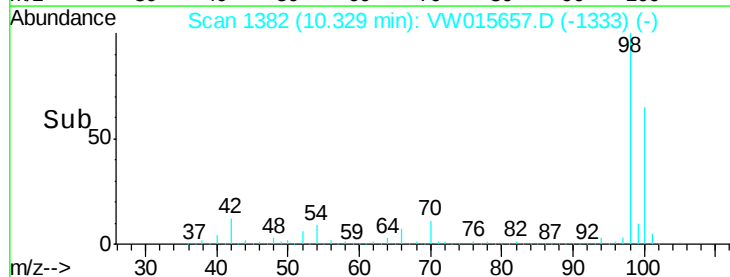
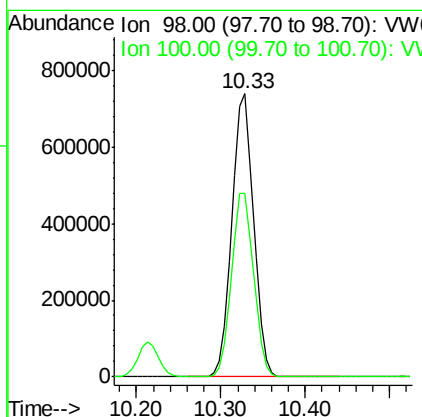
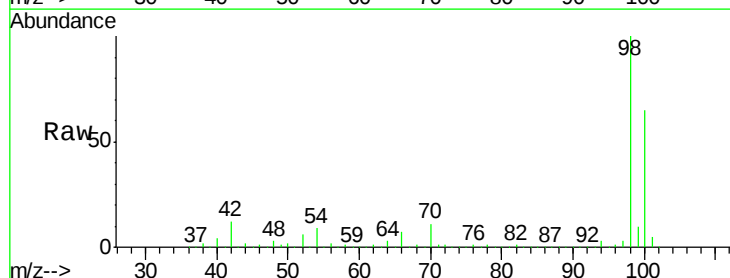
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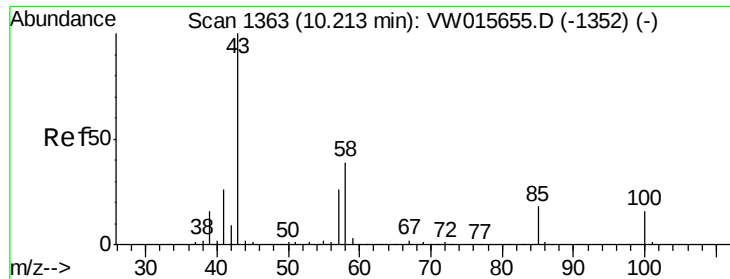
MMDadoda
6/24/2020 10:58:18 AM



#50
Toluene-d8
Concen: 146.619 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	98	Resp	1291424
Ion Ratio	100	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 720.380 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 960479

Ion Ratio Lower Upper

43 100

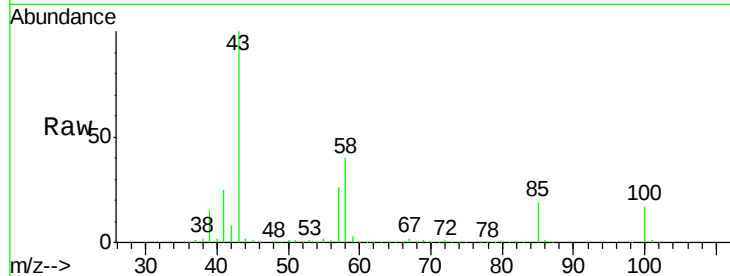
58 39.4 31.2 46.8

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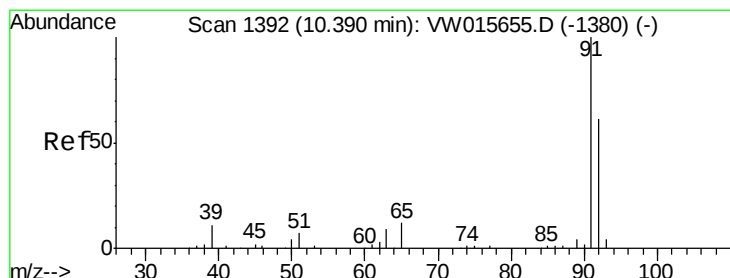
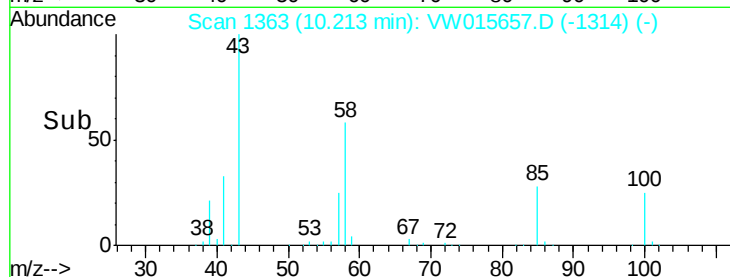
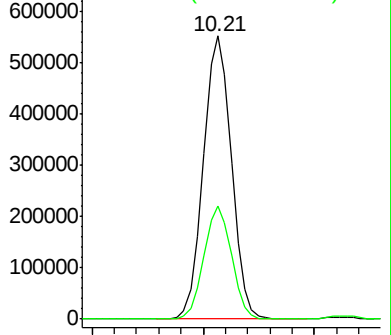
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 146.590 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015657.D

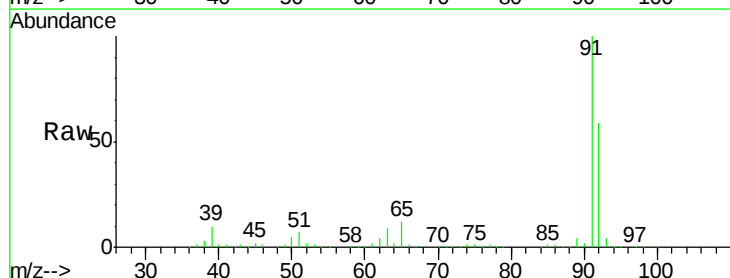
Acq: 23 Jun 2020 12:50

Tgt Ion: 92 Resp: 954753

Ion Ratio Lower Upper

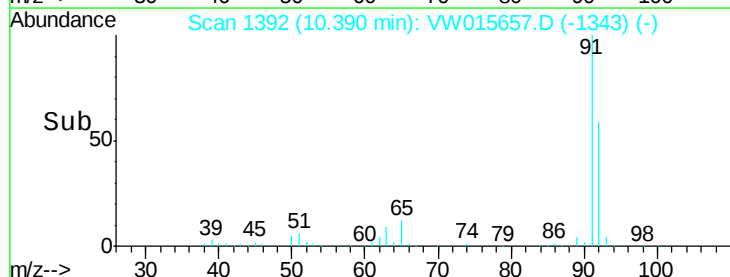
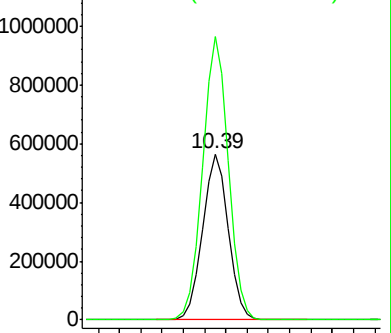
92 100

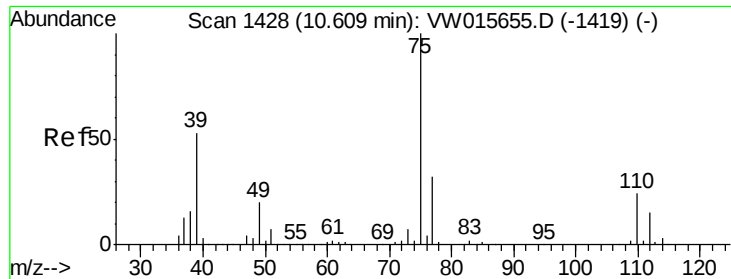
91 171.0 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 151.737 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 499753

Ion Ratio Lower Upper

75 100

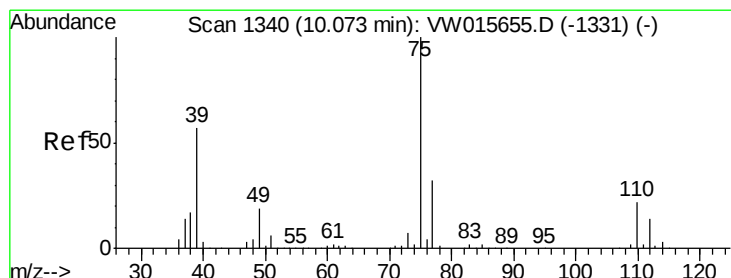
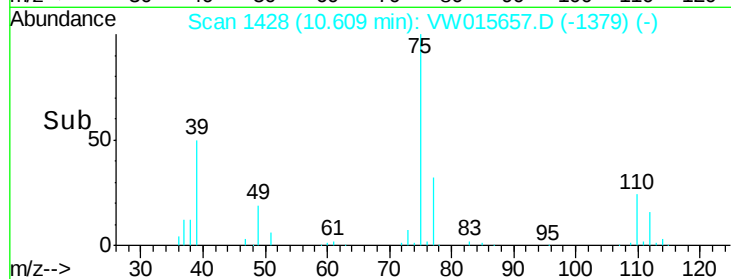
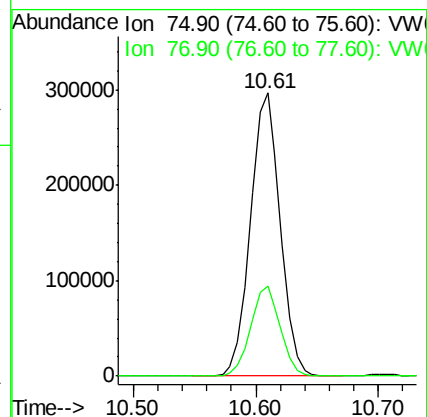
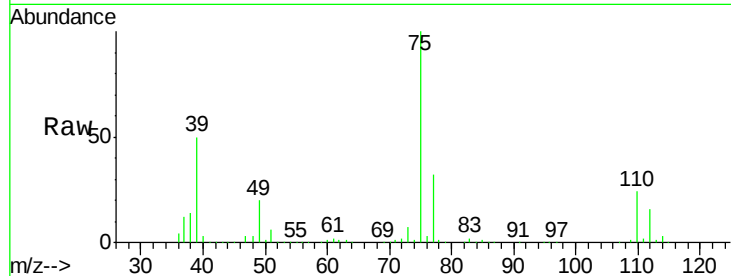
77 31.8 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 149.989 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

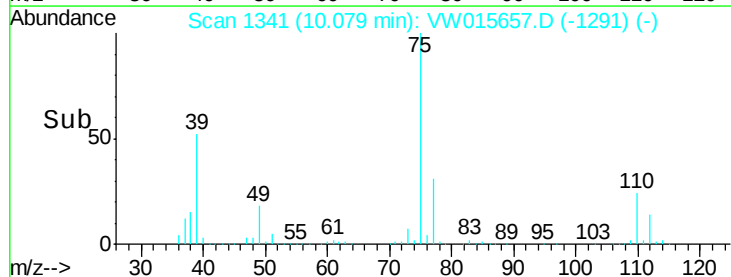
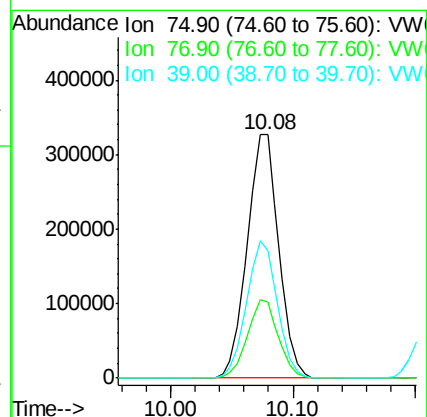
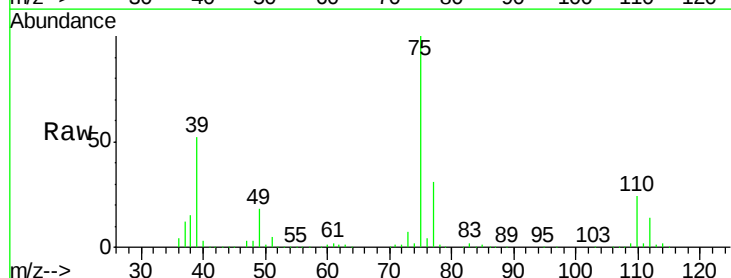
Tgt Ion: 75 Resp: 586742

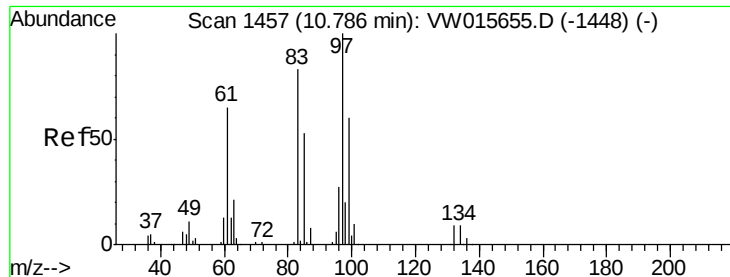
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2

39 52.3 45.8 68.6





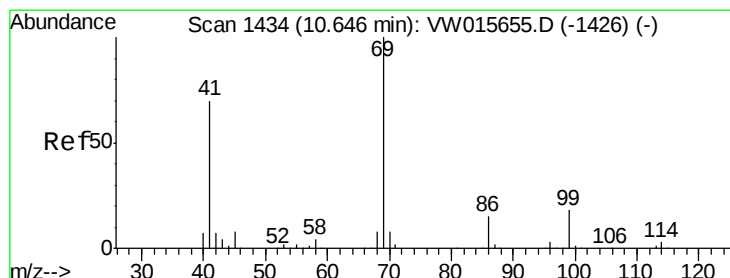
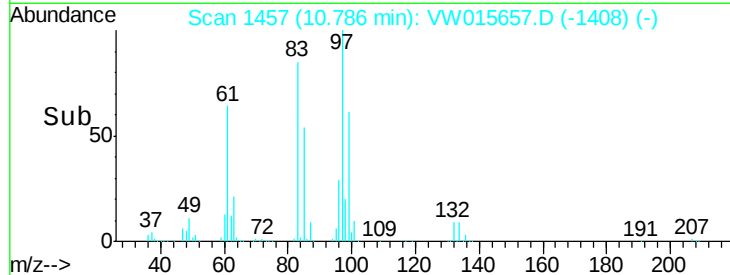
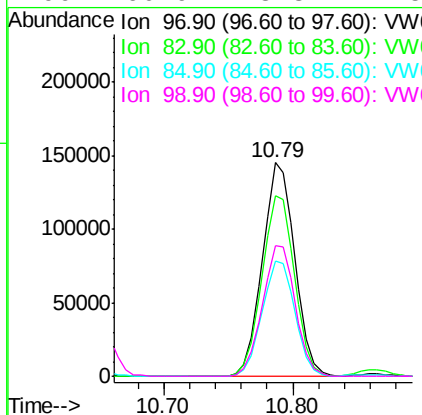
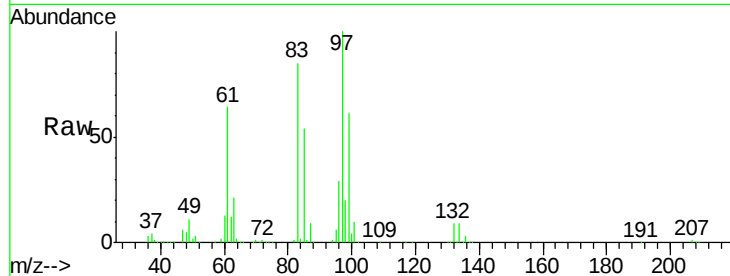
#55
 1,1,2-Trichloroethane
 Concen: 145.992 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	97	Resp	253104
Ion Ratio	Lower	Upper	
97	100		
83	84.5	66.3	99.5
85	54.0	42.5	63.7
99	60.9	48.3	72.5

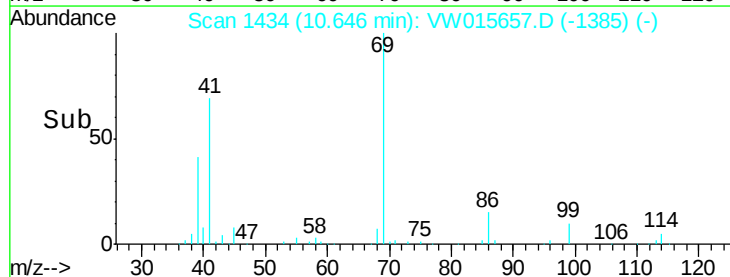
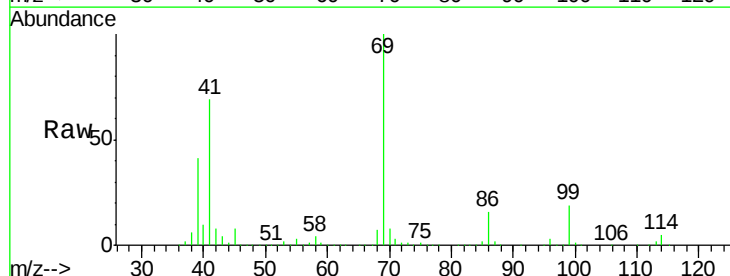
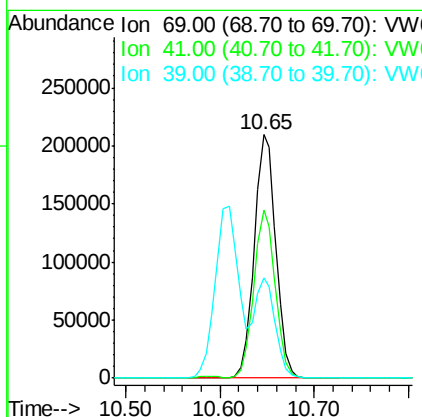
Manual Integrations
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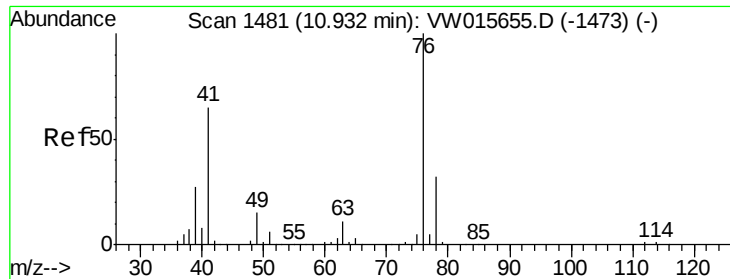
MMDadoda
 6/24/2020 10:58:18 AM



#56
 Ethyl methacrylate
 Concen: 151.641 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Tgt Ion	69	Resp	339282
Ion Ratio	Lower	Upper	
69	100		
41	68.4	55.8	83.6
39	40.0	29.5	44.3





#57

1,3-Dichloropropane

Concen: 145.524 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 447042

Ion Ratio Lower Upper

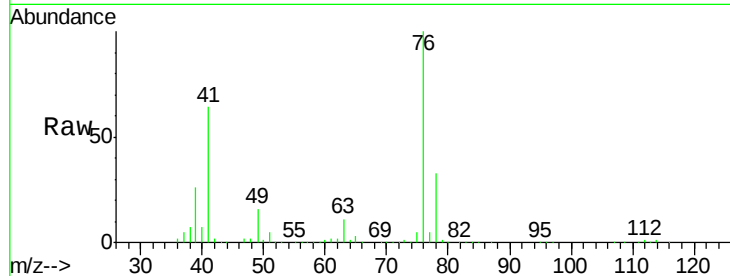
76 100

78 32.5 26.2 39.2

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

250000

200000

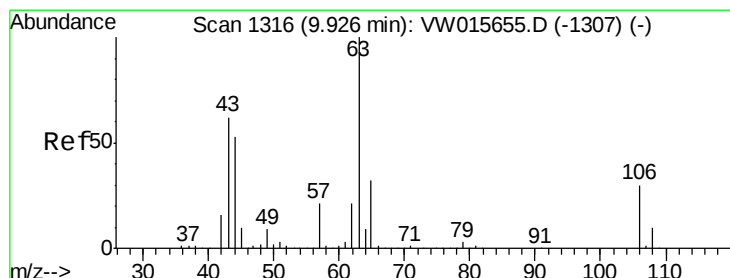
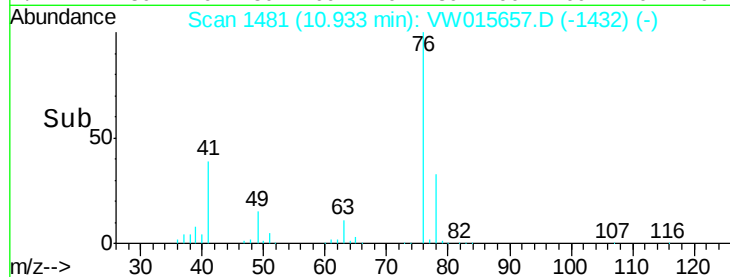
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 754.058 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW015657.D

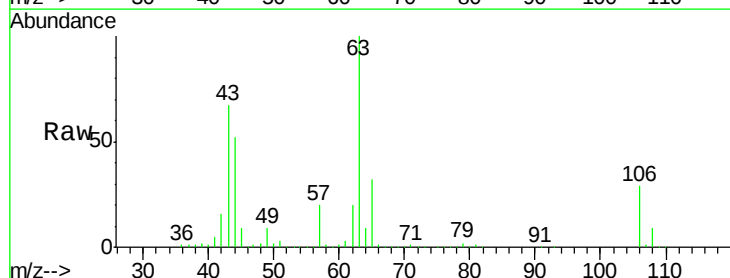
Acq: 23 Jun 2020 12:50

Tgt Ion: 63 Resp: 806727

Ion Ratio Lower Upper

63 100

106 28.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

500000

400000

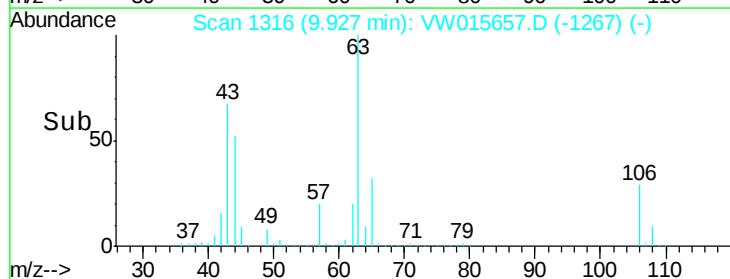
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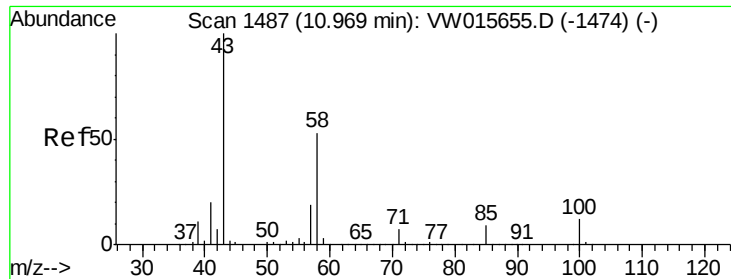
200000

100000

0

Time-->





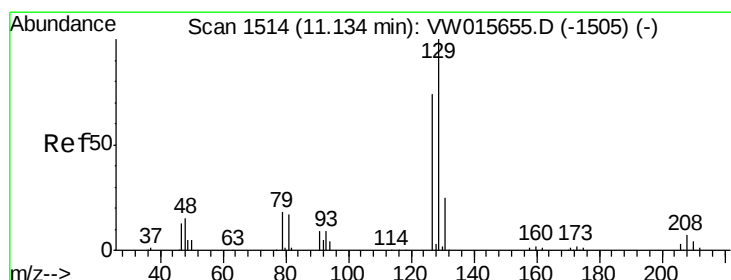
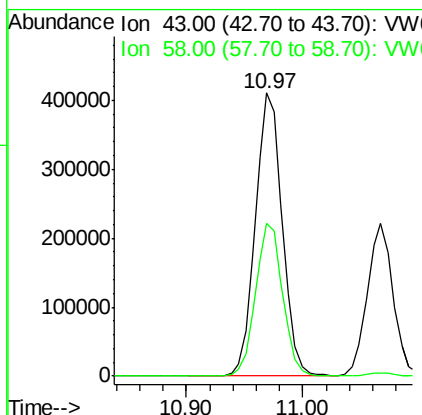
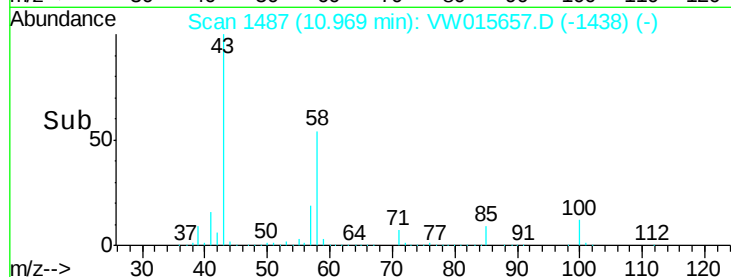
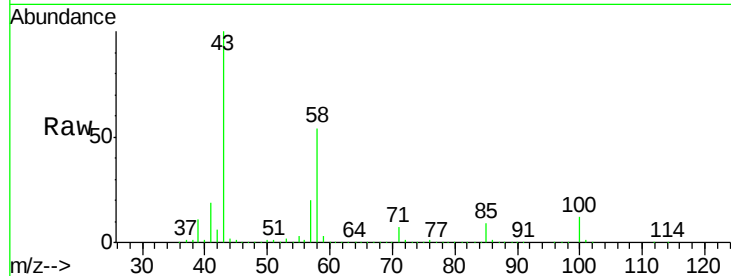
#59
2-Hexanone
Concen: 722.236 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 661965
Ion Ratio Lower Upper
43 100
58 54.1 26.5 79.4

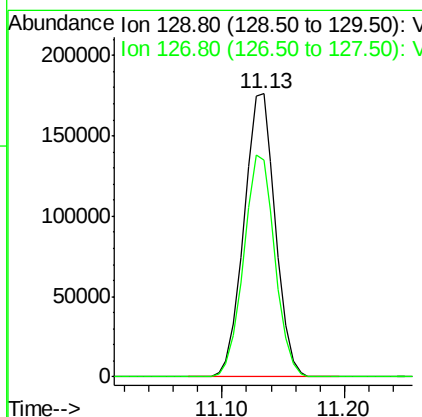
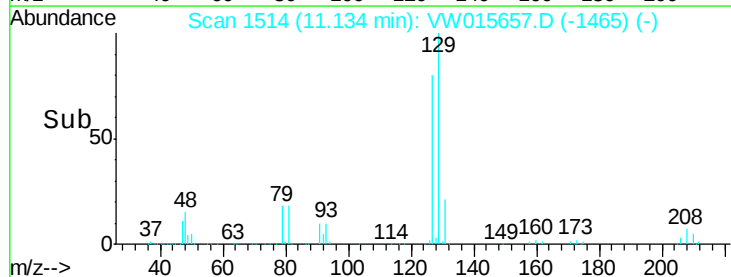
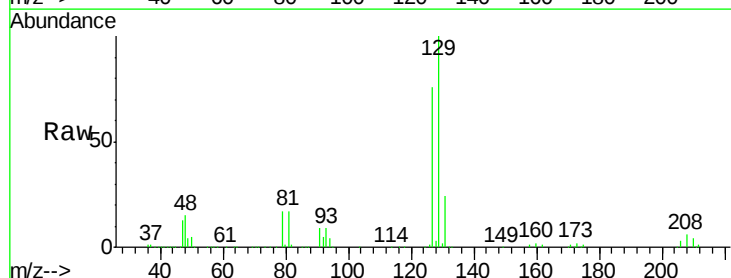
Manual Integrations
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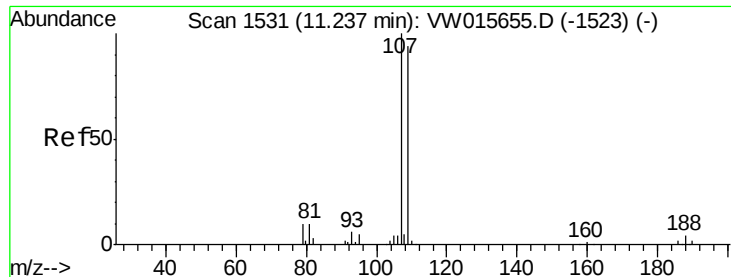
MMDadoda
6/24/2020 10:58:18 AM



#60
Dibromochloromethane
Concen: 148.420 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion:129 Resp: 313063
Ion Ratio Lower Upper
129 100
127 77.8 38.0 114.1





#61

1,2-Dibromoethane

Concen: 146.473 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 242700

Ion Ratio Lower Upper

107 100

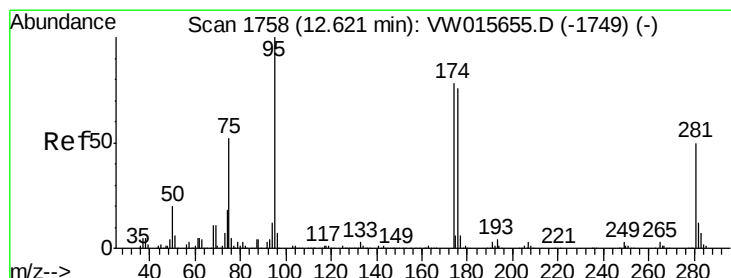
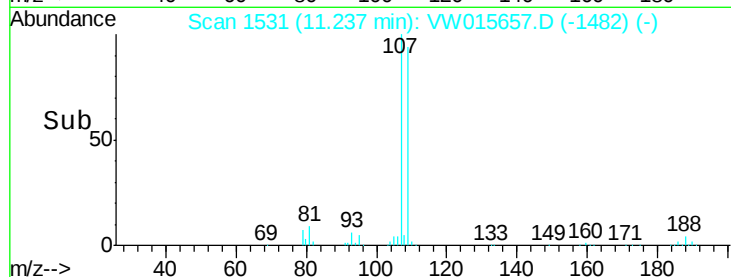
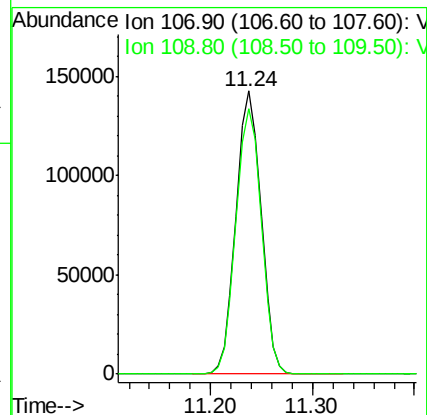
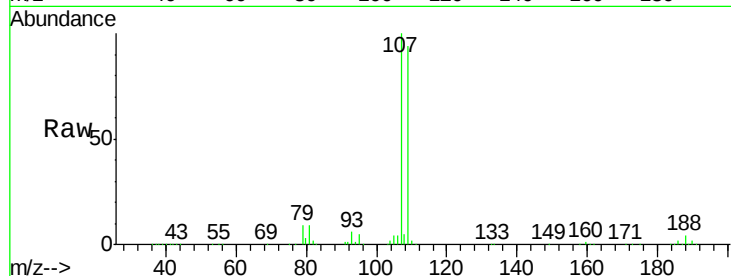
109 95.1 74.9 112.3

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 145.136 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

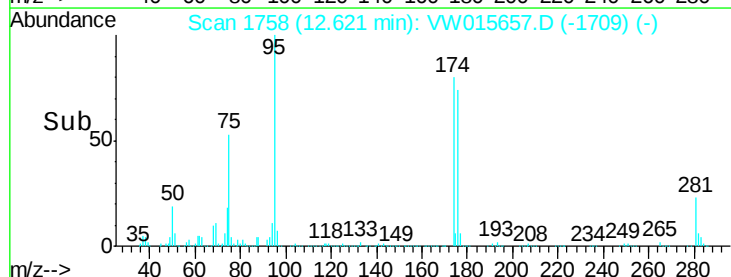
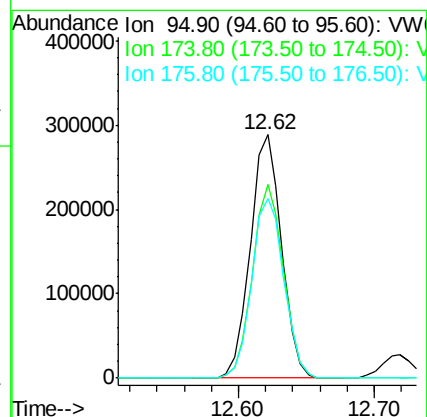
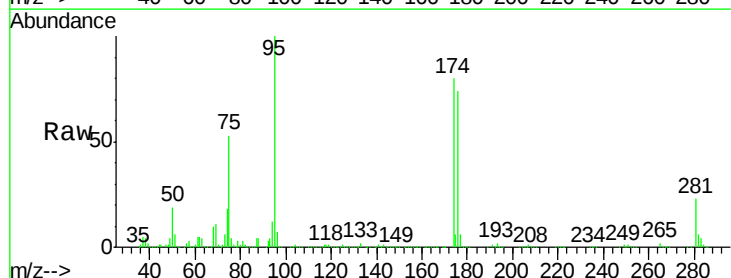
Tgt Ion: 95 Resp: 463677

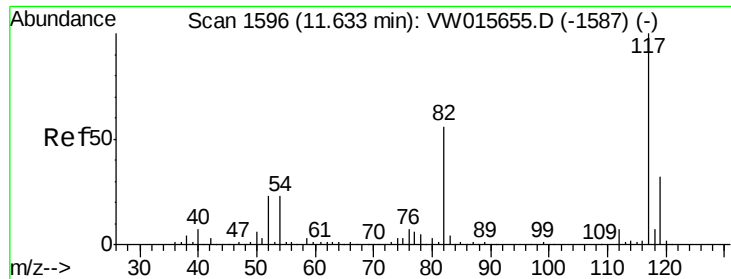
Ion Ratio Lower Upper

95 100

174 79.3 0.0 157.0

176 76.0 0.0 151.4





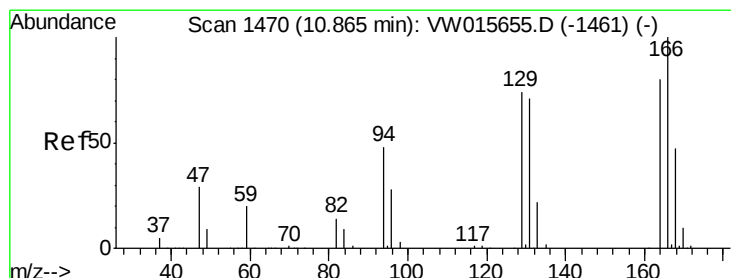
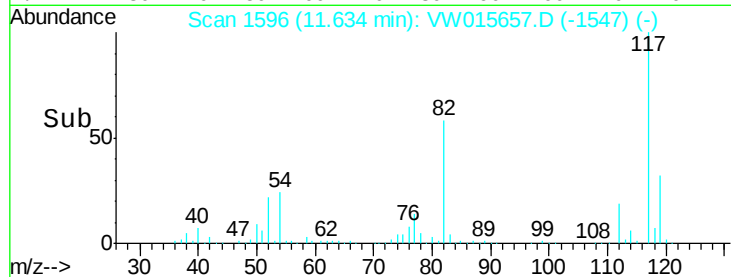
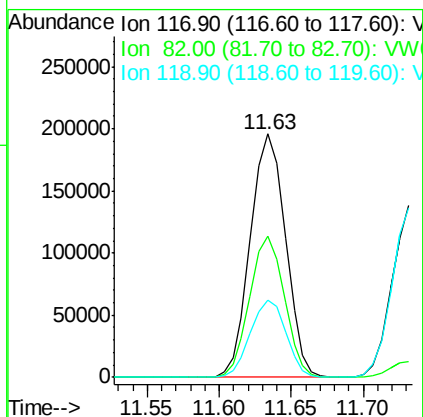
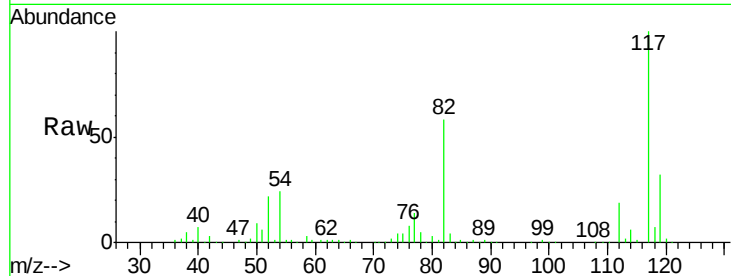
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.1	67.7
119	31.6	25.8	38.8

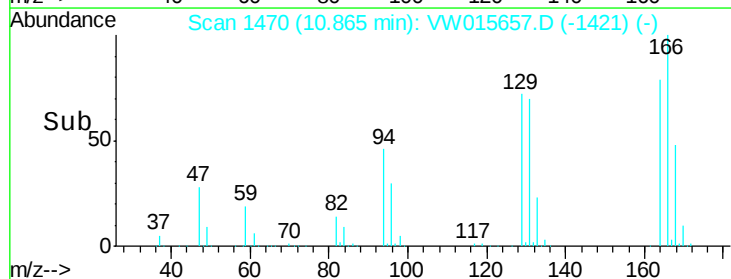
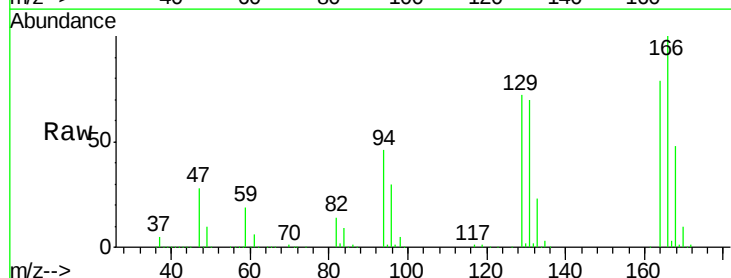
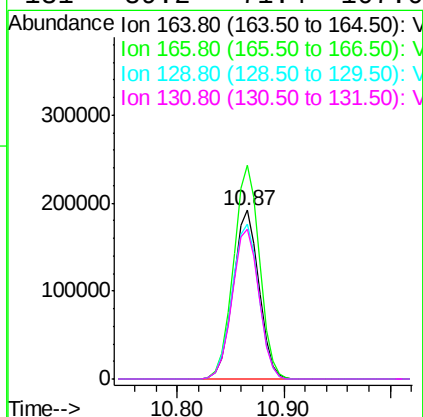
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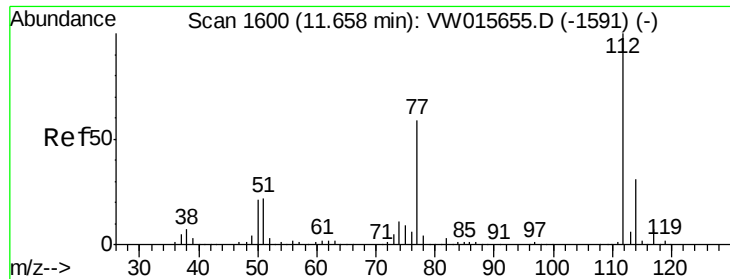
MMDadoda
6/24/2020 10:58:18 AM



#64
Tetrachloroethene
Concen: 144.388 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	99.9	149.9
129	91.5	74.2	111.2
131	89.2	71.4	107.0





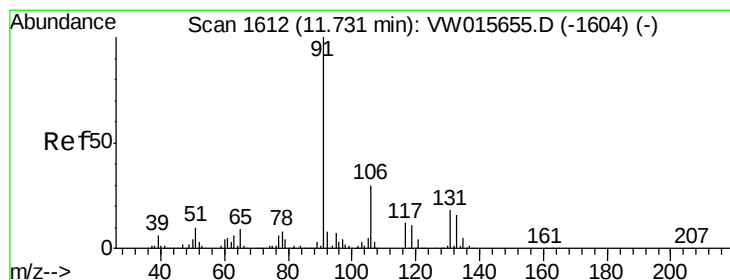
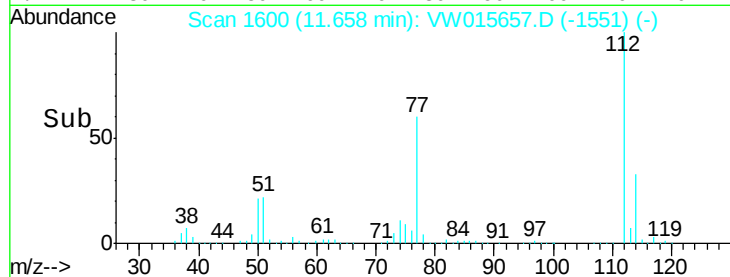
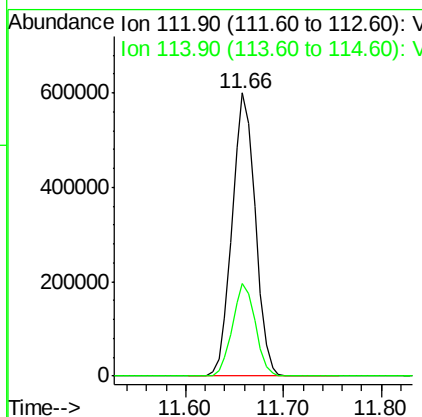
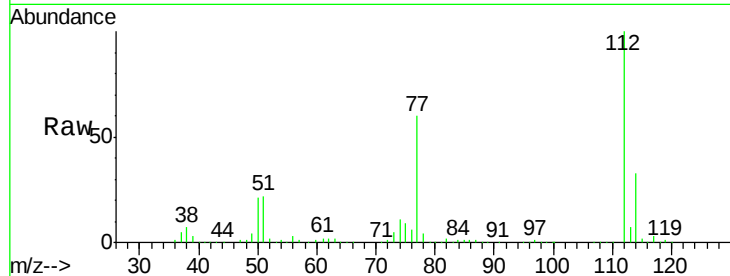
#65
Chlorobenzene
Concen: 144.882 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 987060
Ion Ratio Lower Upper
112 100
114 32.9 24.9 37.3

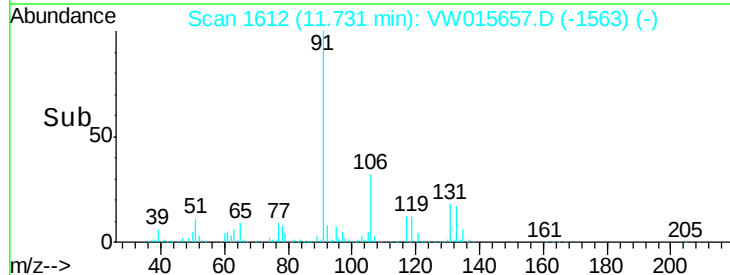
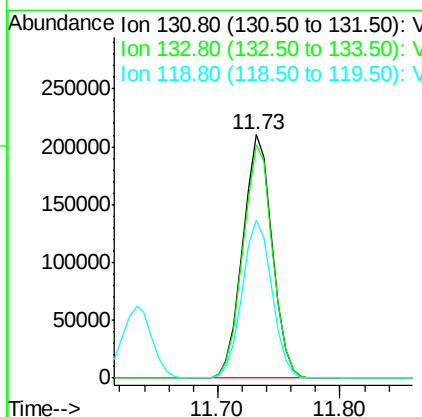
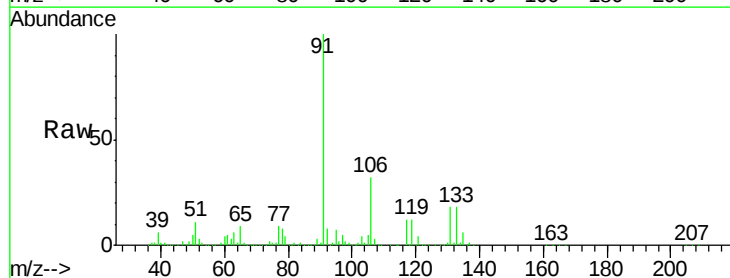
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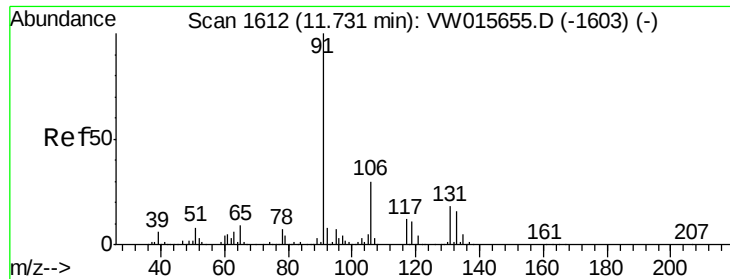
MMDadoda
6/24/2020 10:58:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 144.366 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion:131 Resp: 350703
Ion Ratio Lower Upper
131 100
133 96.4 46.5 139.5
119 65.8 32.5 97.5





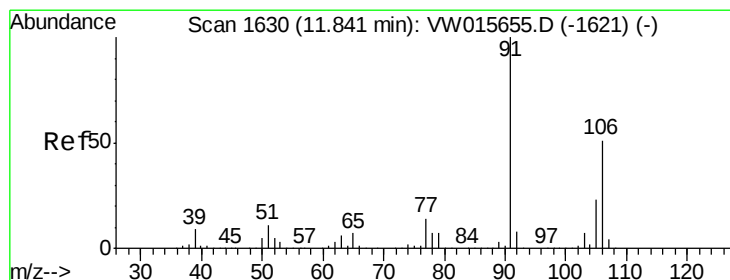
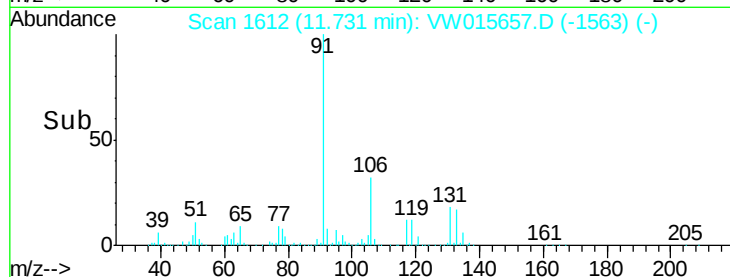
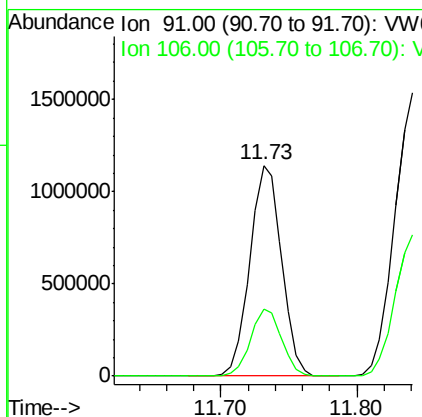
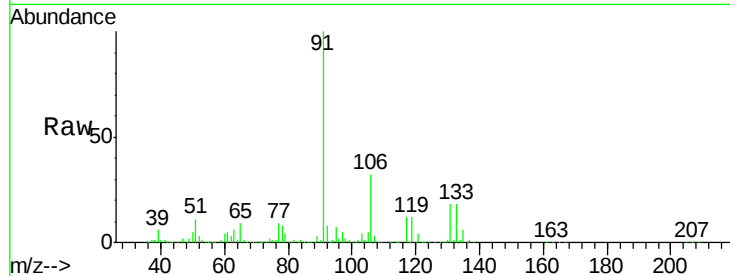
#67
Ethyl Benzene
Concen: 145.842 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1871035
Ion Ratio Lower Upper
91 100
106 31.8 24.1 36.1

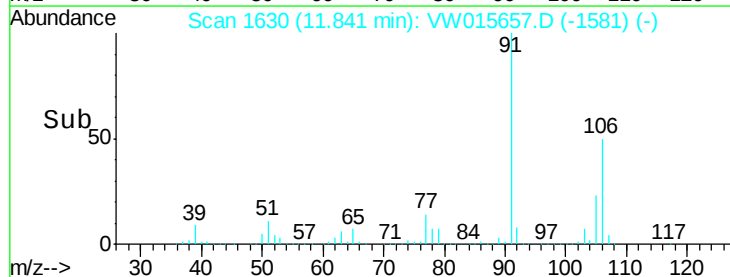
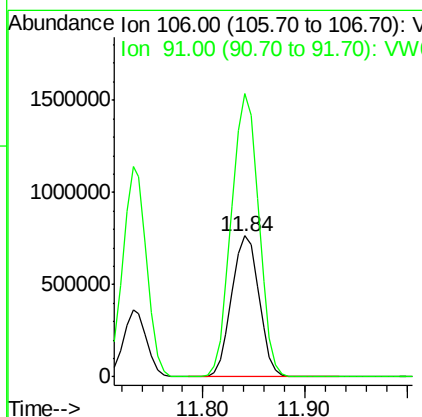
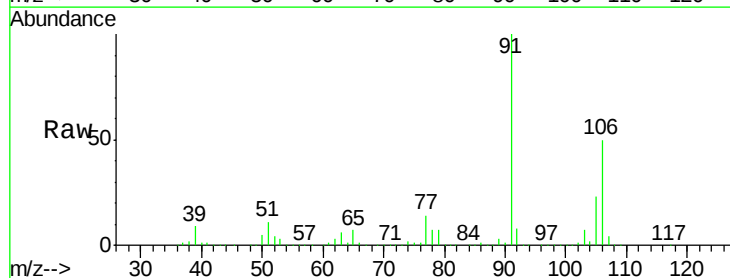
Manual Integrations
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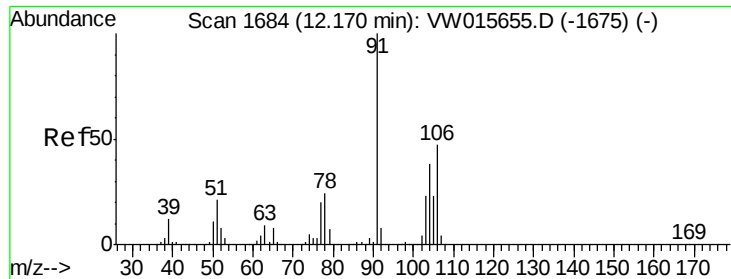
MMDadoda
6/24/2020 10:58:18 AM



#68
m/p-Xylenes
Concen: 296.332 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion: 106 Resp: 1419443
Ion Ratio Lower Upper
106 100
91 200.3 162.6 244.0





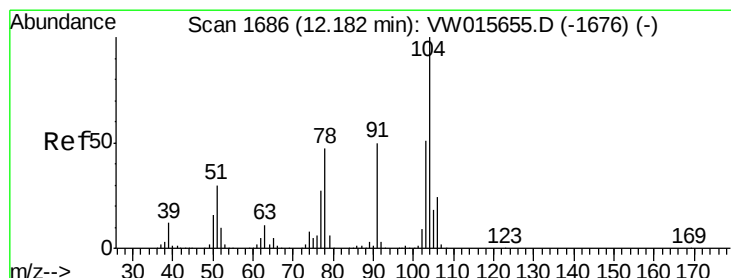
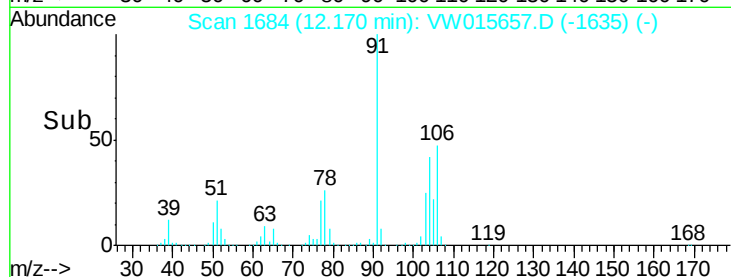
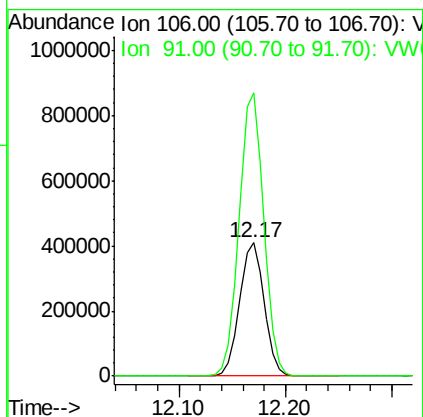
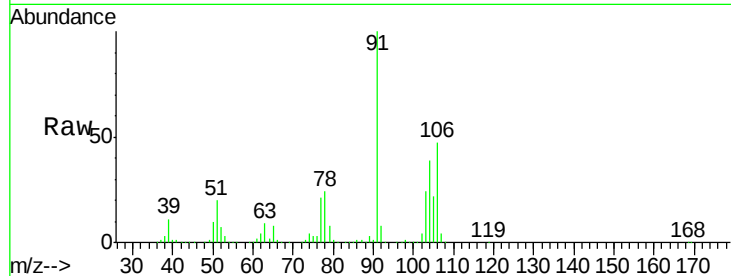
#69
o-Xylene
Concen: 149.534 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		664910		
91	212.8	108.3	324.9		

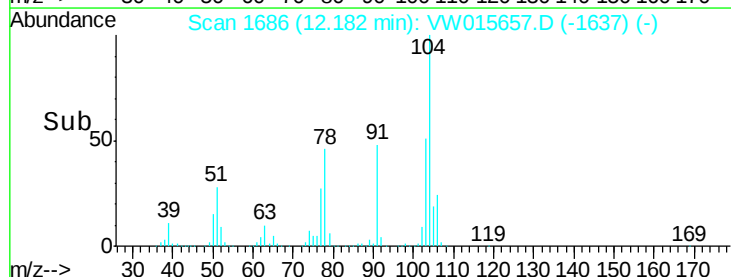
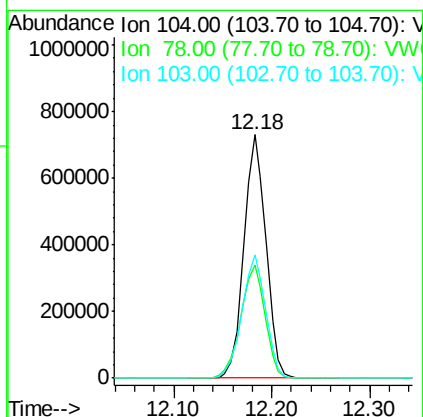
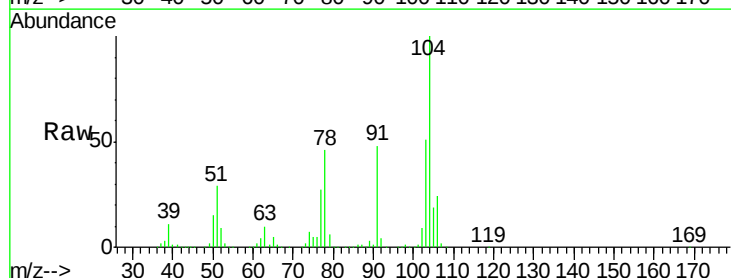
Manual Integrations
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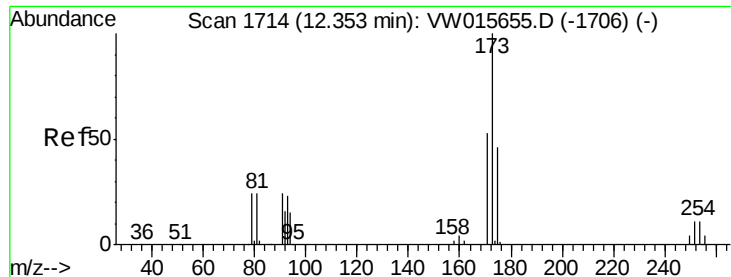
MMDadoda
6/24/2020 10:58:18 AM



#70
Styrene
Concen: 149.860 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1138108		
78	51.3	40.9	61.3		
103	54.5	43.1	64.7		





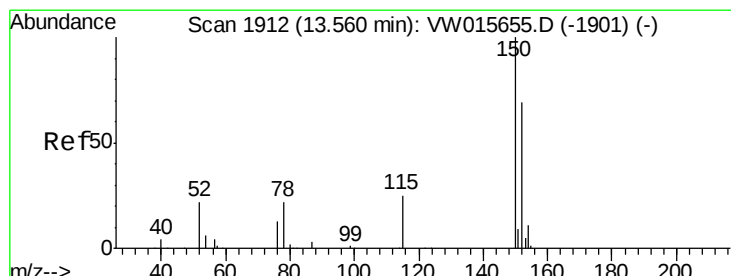
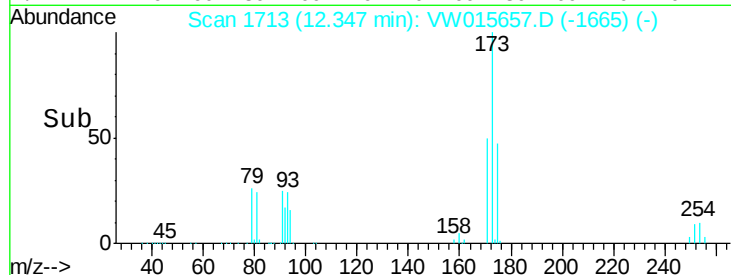
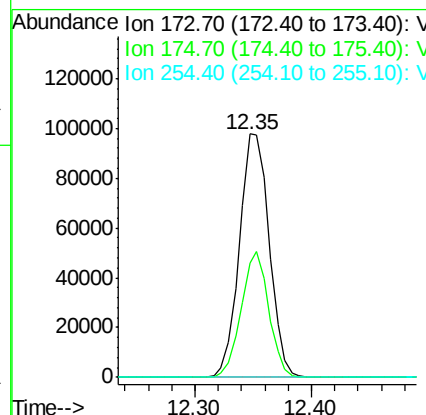
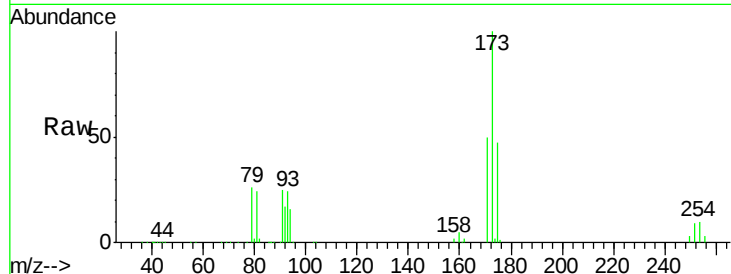
#71
Bromoform
Concen: 152.248 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.1	0.1

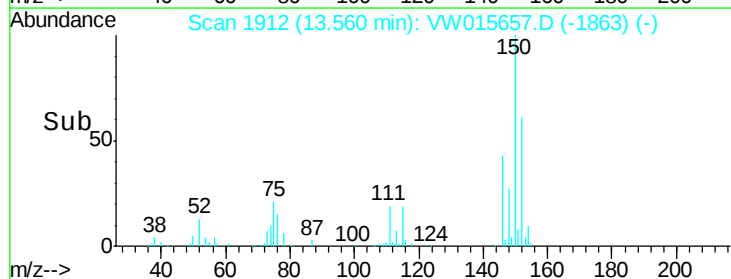
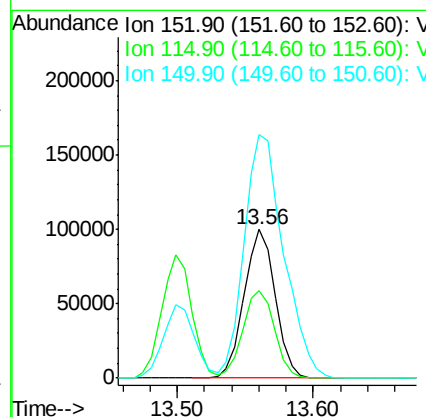
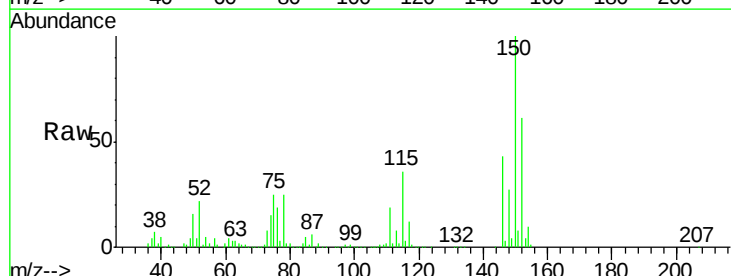
Manual Integrations
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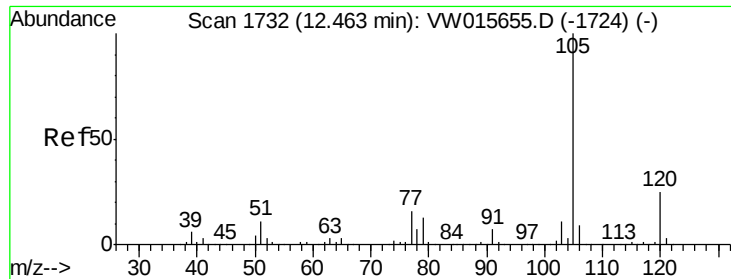
MMDadoda
6/24/2020 10:58:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.1	90.5
150	207.8	0.0	345.6





#73

Isopropylbenzene

Concen: 151.192 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1848399

Ion Ratio Lower Upper

105 100

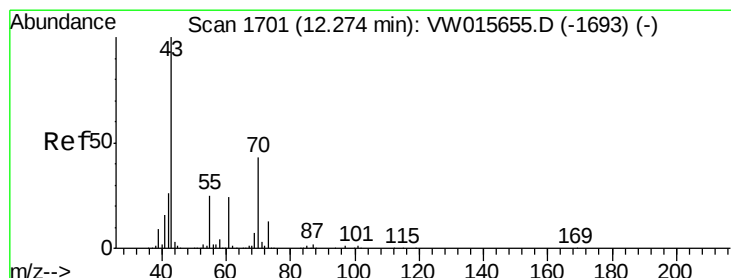
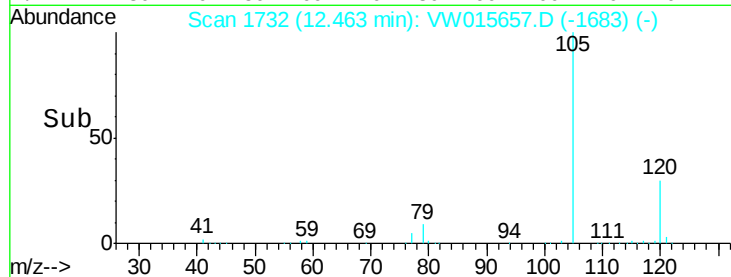
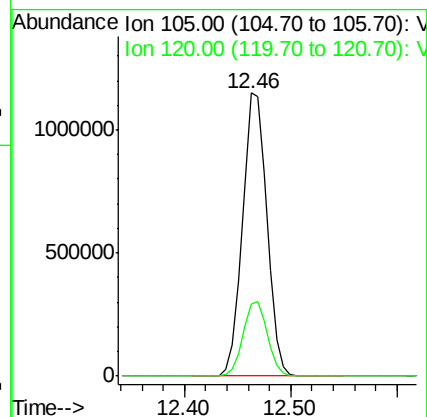
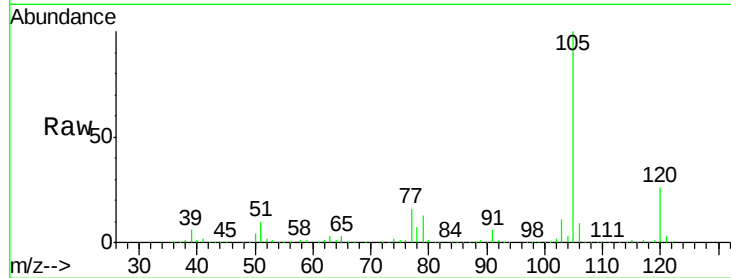
120 26.4 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 148.059 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Tgt Ion: 43 Resp: 379997

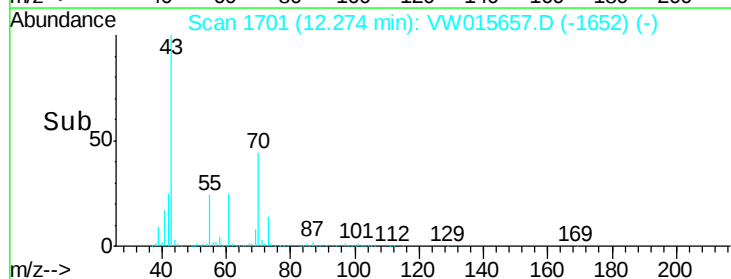
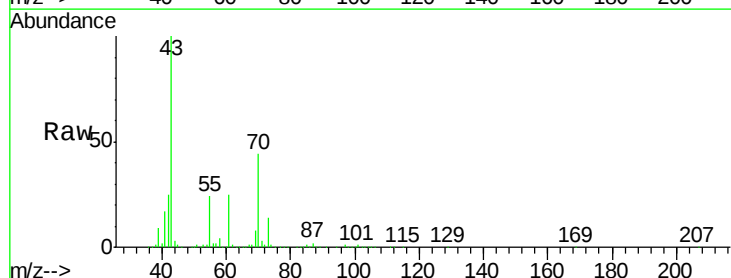
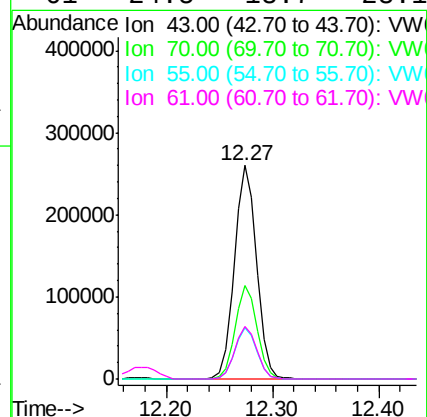
Ion Ratio Lower Upper

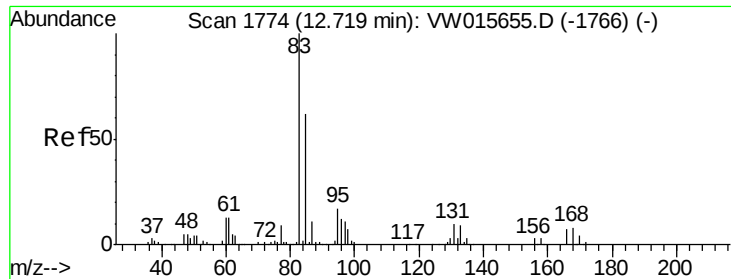
43 100

70 43.3 33.6 50.4

55 24.1 19.7 29.5

61 24.5 18.7 28.1





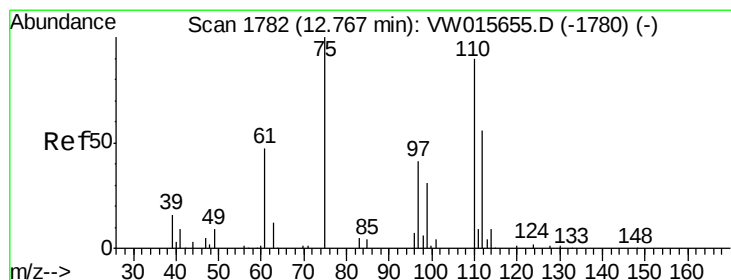
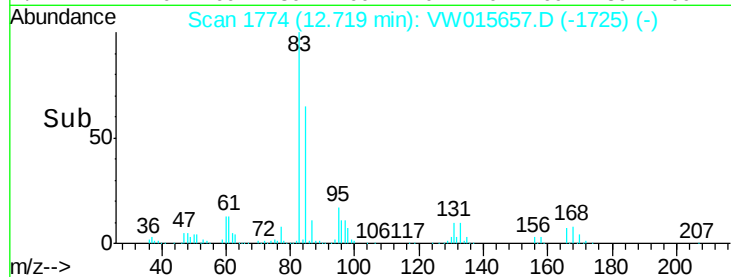
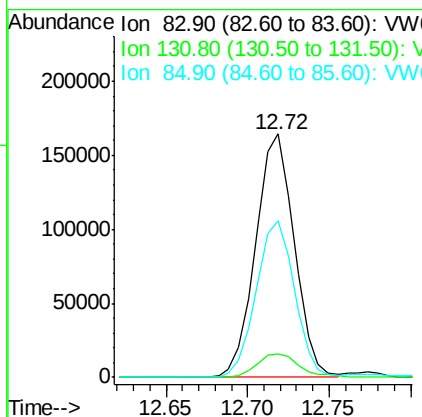
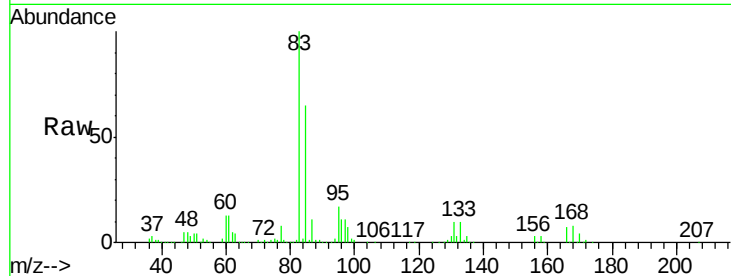
#75
 1,1,2,2-Tetrachloroethane
 Concen: 145.125 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	83	Resp	269443
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.3	31.9	95.7

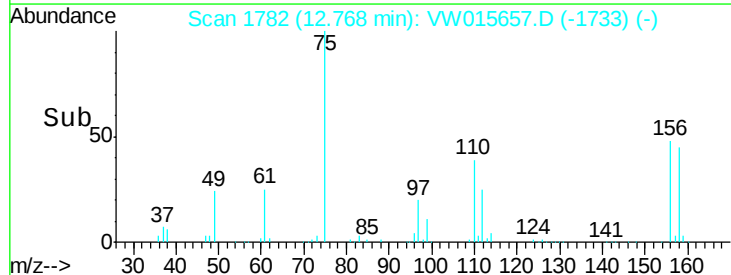
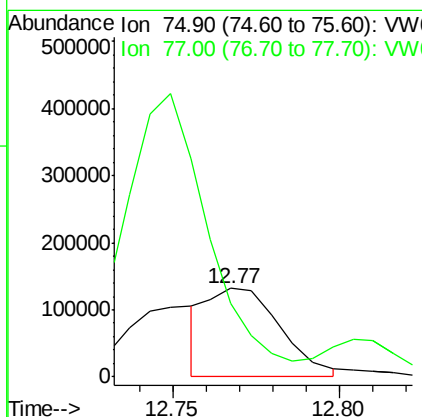
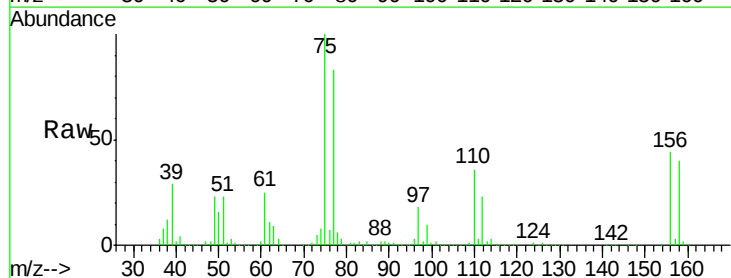
Manual Integrations
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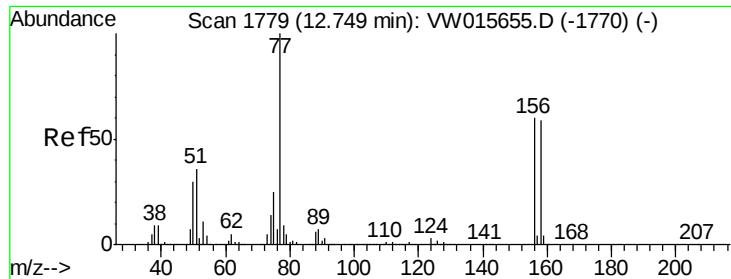
MMDadoda
 6/24/2020 10:58:18 AM



#76
 1,2,3-Trichloropropane
 Concen: 150.586 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Tgt Ion	75	Resp	202209
Ion Ratio	Lower	Upper	
75	100		
77	371.6	179.1	537.1





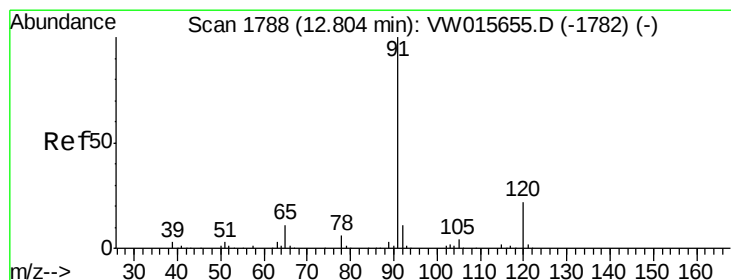
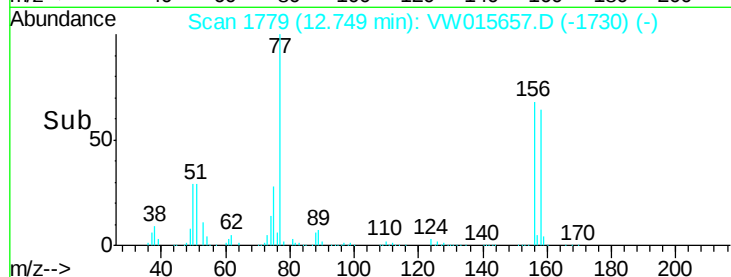
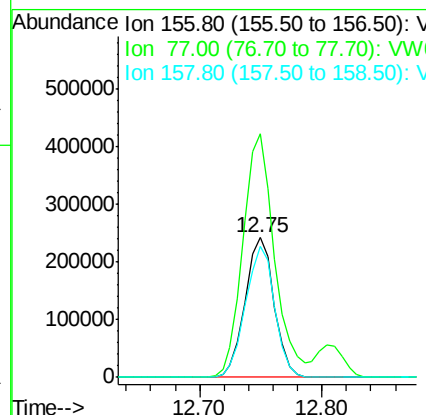
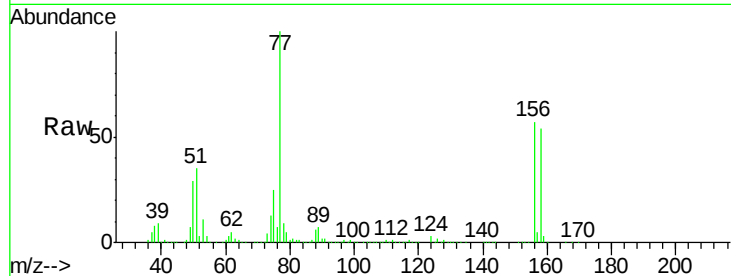
#77
Bromobenzene
Concen: 150.297 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.5	94.5	283.5
158	94.7	47.9	143.6

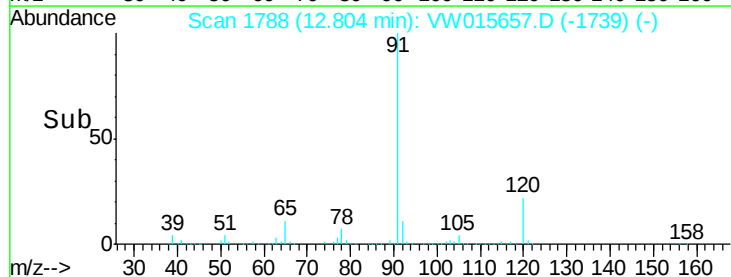
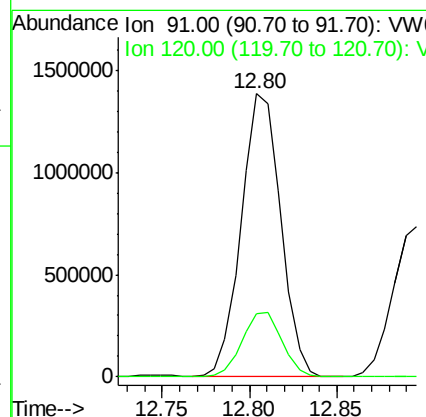
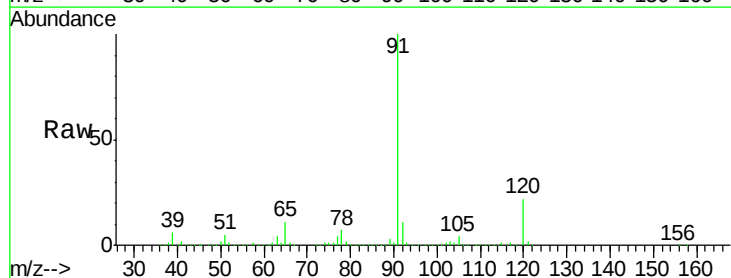
Manual Integrations
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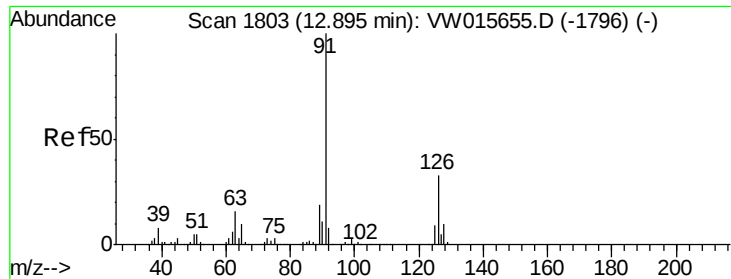
MMDadoda
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#78
n-propylbenzene
Concen: 148.477 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 146.528 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1211534

Ion Ratio Lower Upper

91 100

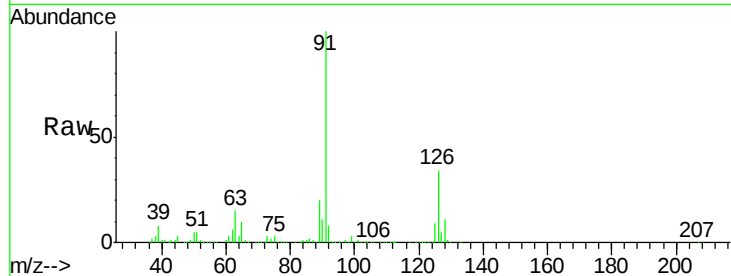
126 33.3 16.6 49.8

Manual Integrations

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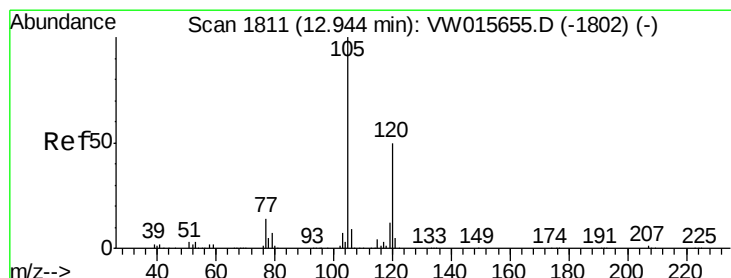
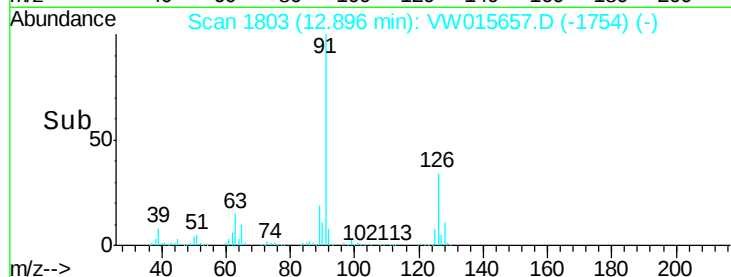
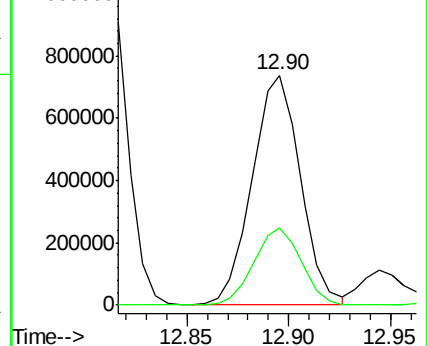
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 146.833 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015657.D

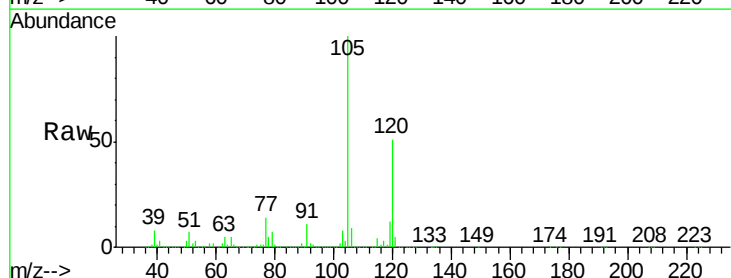
Acq: 23 Jun 2020 12:50

Tgt Ion:105 Resp: 1516639

Ion Ratio Lower Upper

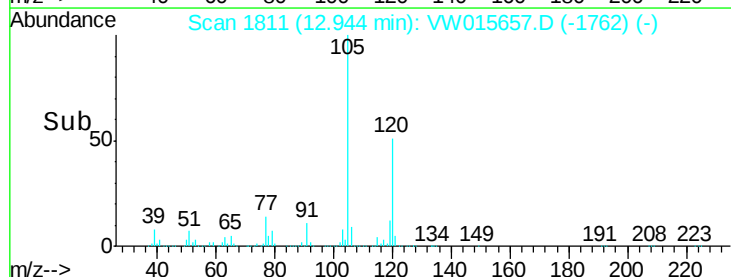
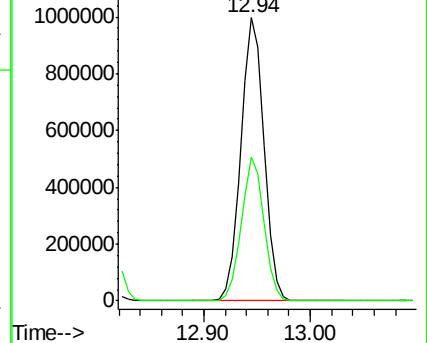
105 100

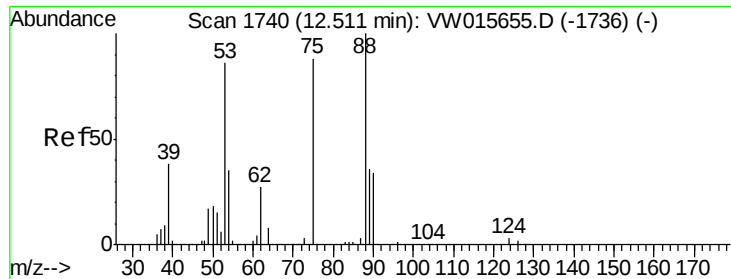
120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





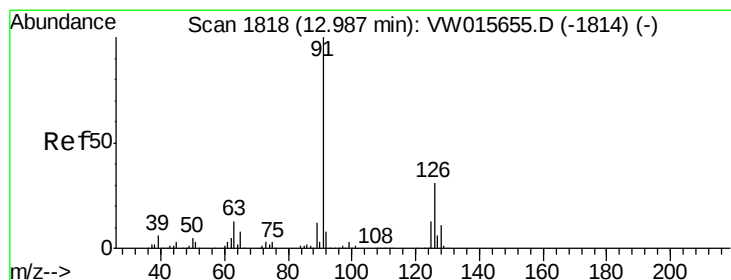
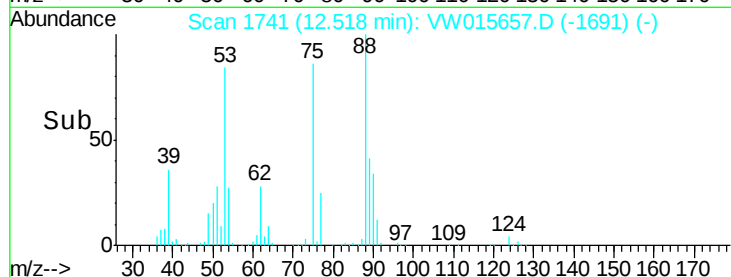
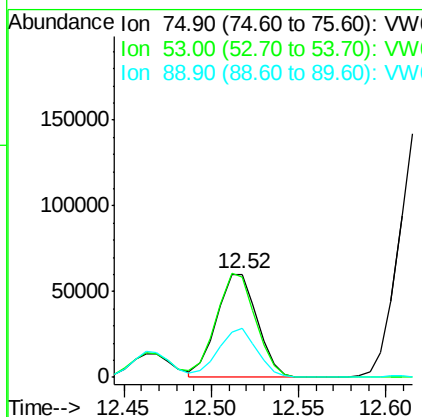
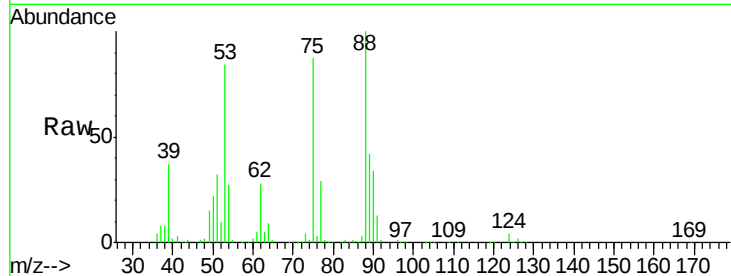
#81
trans-1,4-Dichloro-2-butene
Concen: 159.433 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	83.8	125.8
89	46.2	36.6	55.0

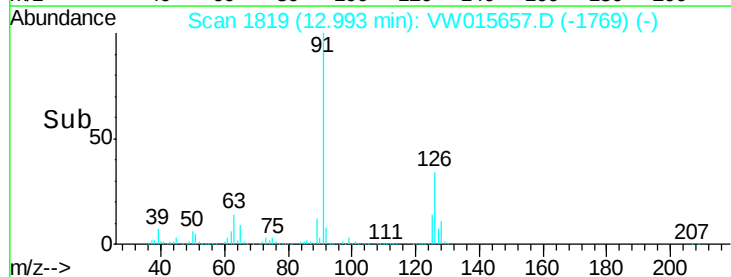
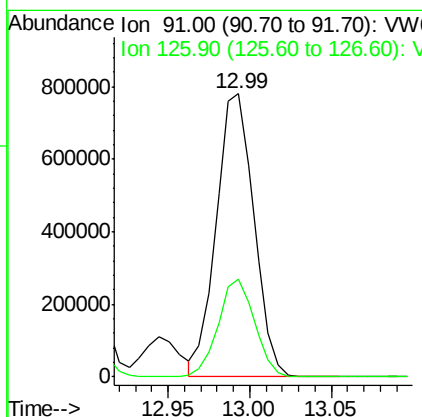
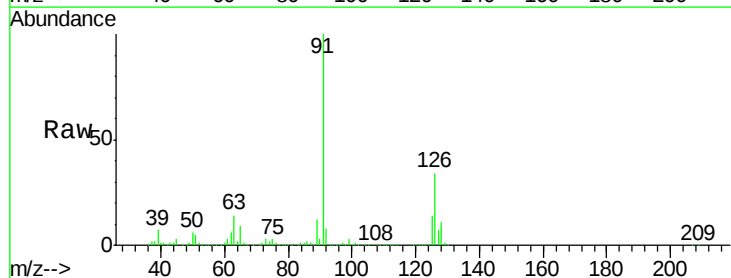
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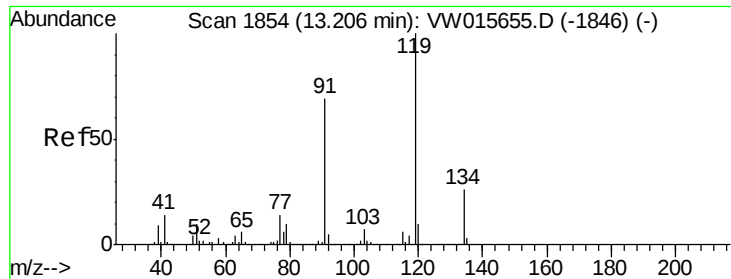
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#82
4-Chlorotoluene
Concen: 146.181 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.3	48.9





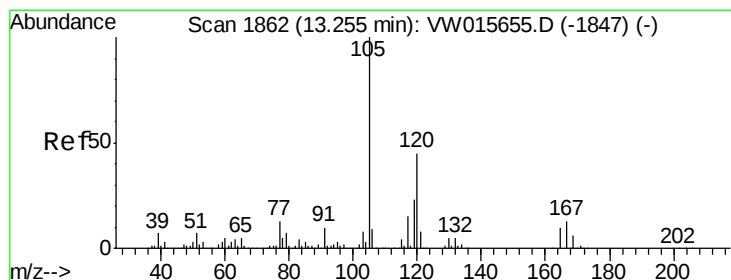
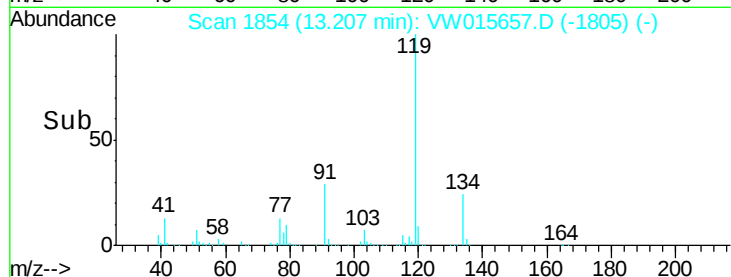
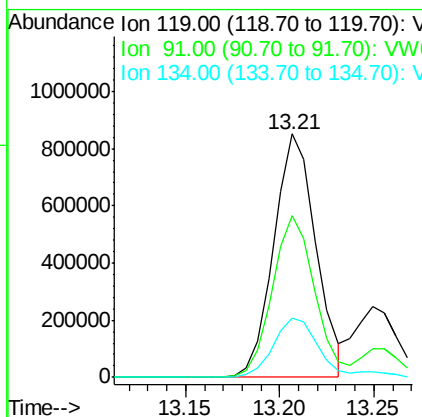
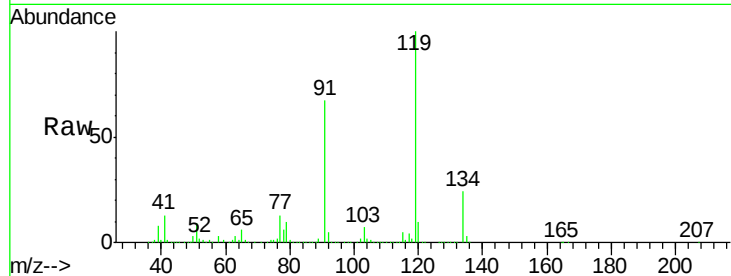
#83
tert-Butylbenzene
Concen: 150.571 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1321242
Ion Ratio Lower Upper
119 100
91 67.0 34.7 104.1
134 27.0 13.8 41.4

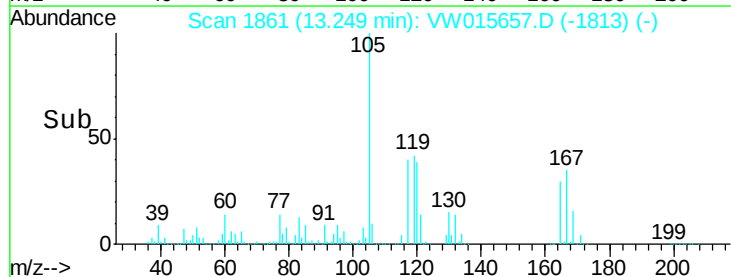
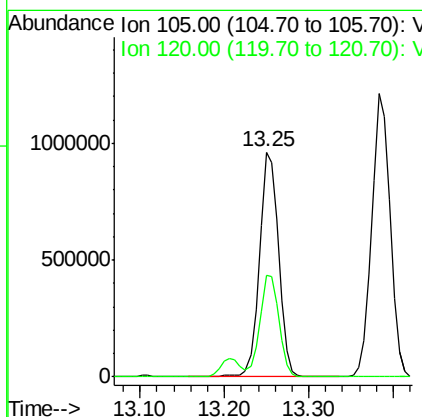
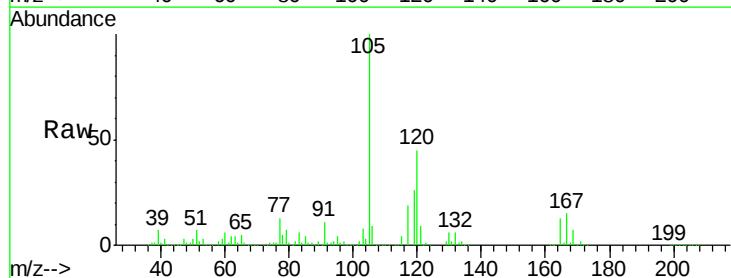
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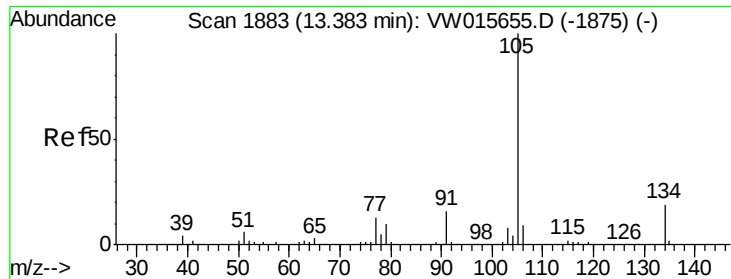
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#84
1,2,4-Trimethylbenzene
Concen: 146.061 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion:105 Resp: 1504692
Ion Ratio Lower Upper
105 100
120 45.1 22.8 68.3





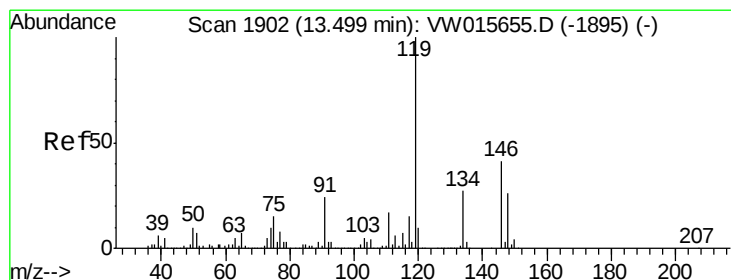
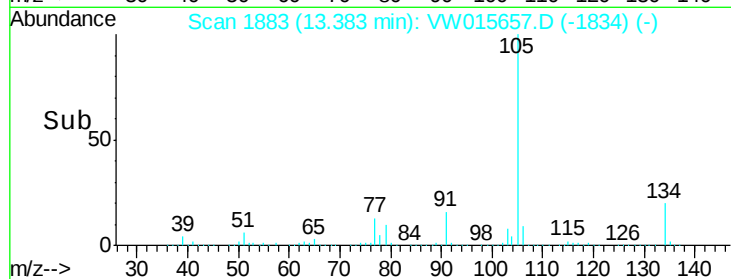
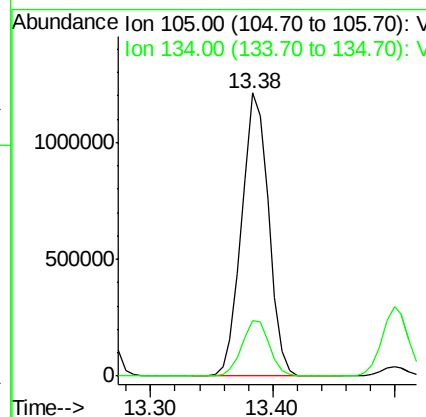
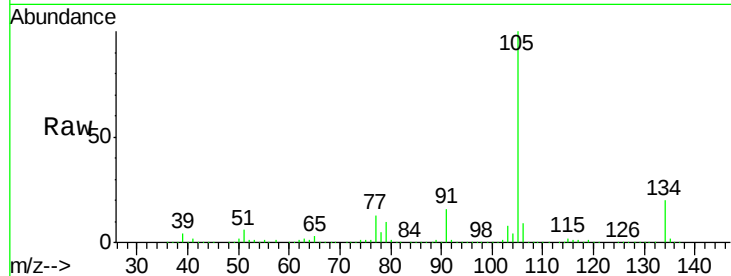
#85
 sec-Butylbenzene
 Concen: 147.994 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1844697
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 29.8

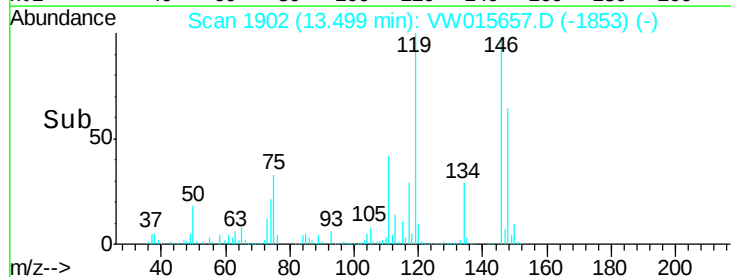
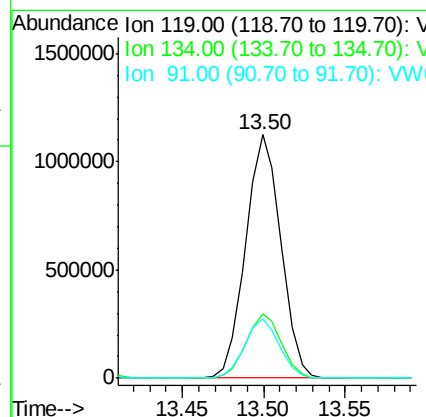
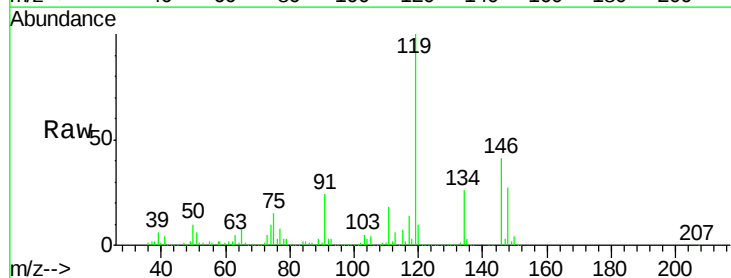
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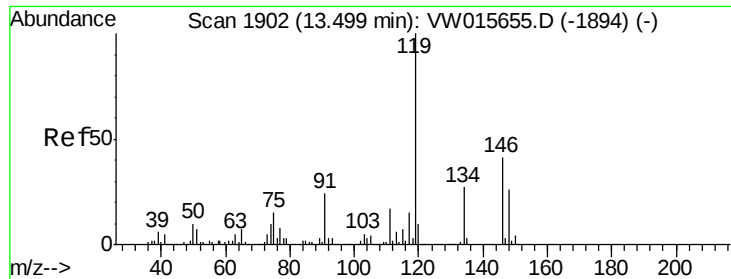
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#86
 p-Isopropyltoluene
 Concen: 148.782 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Tgt Ion:119 Resp: 1691735
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.4
 91 23.9 12.3 36.8





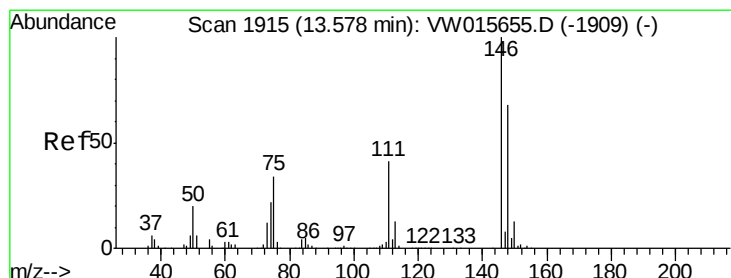
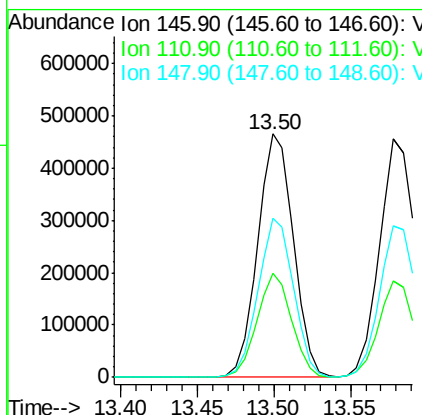
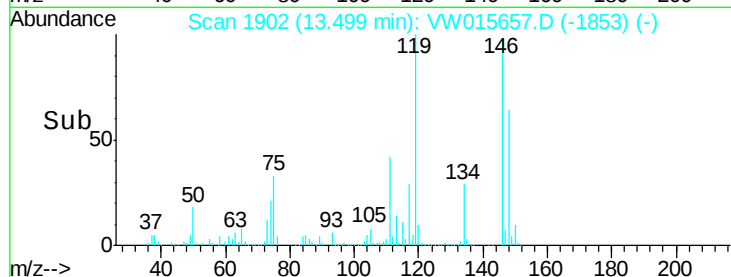
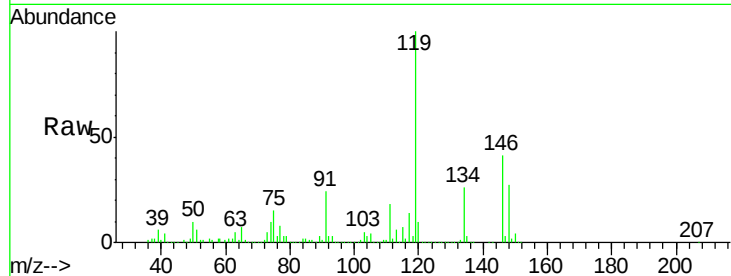
#87
 1,3-Dichlorobenzene
 Concen: 144.377 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	64.7	31.6	94.7

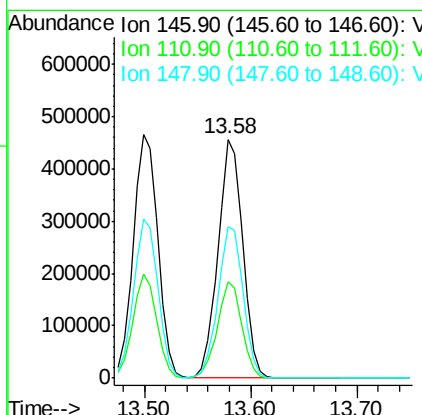
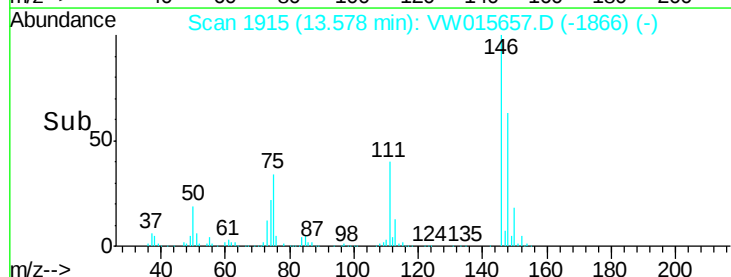
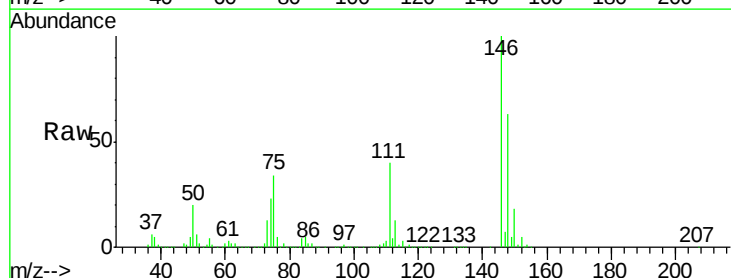
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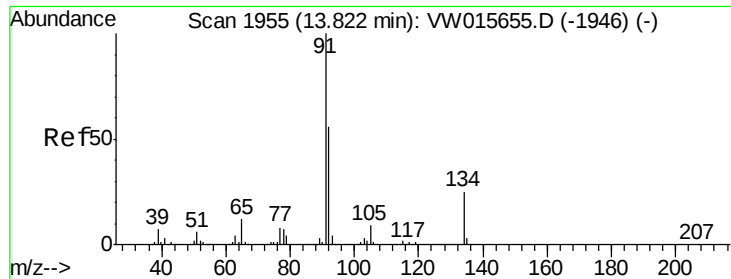
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#88
 1,4-Dichlorobenzene
 Concen: 142.458 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015657.D
 Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	64.6	33.7	101.1





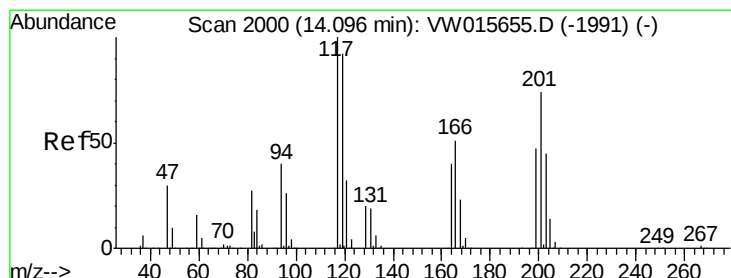
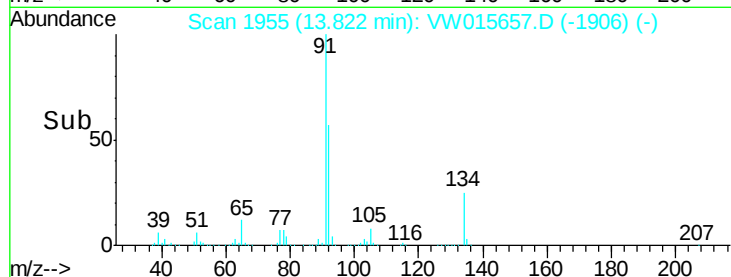
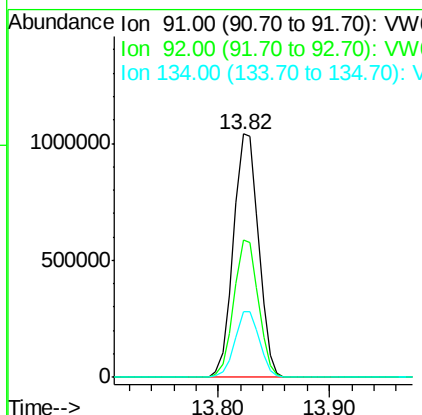
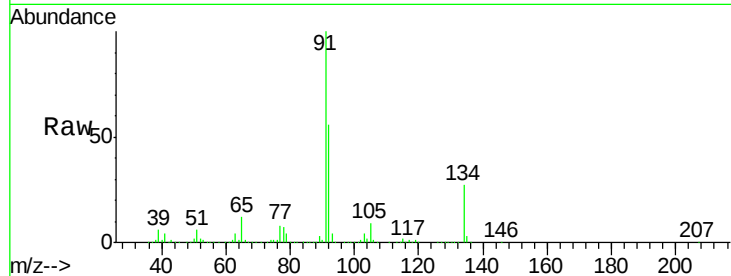
#89
n-Butylbenzene
Concen: 148.245 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.5	82.4
134	26.4	13.0	38.9

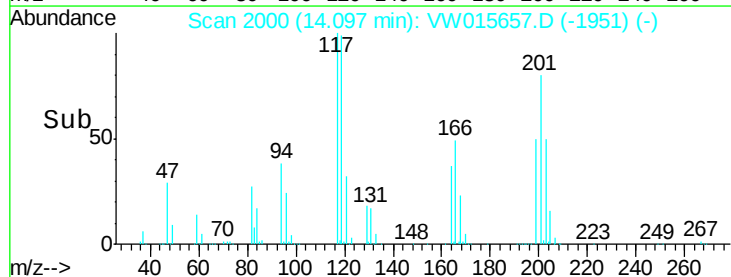
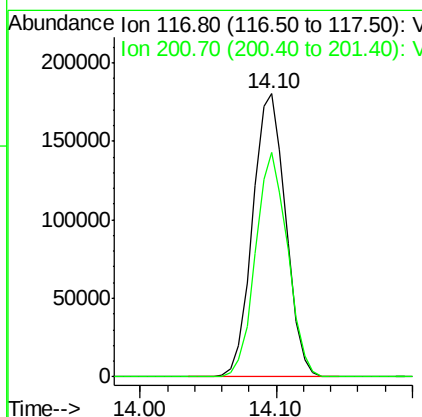
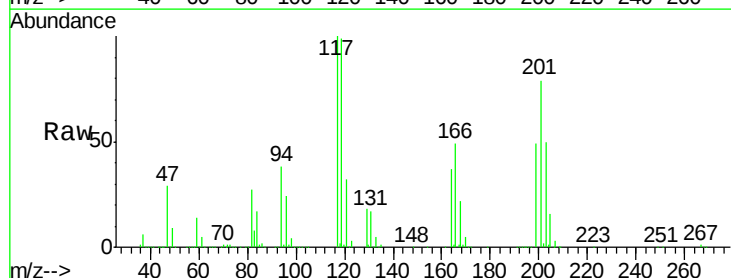
Manual Integrations
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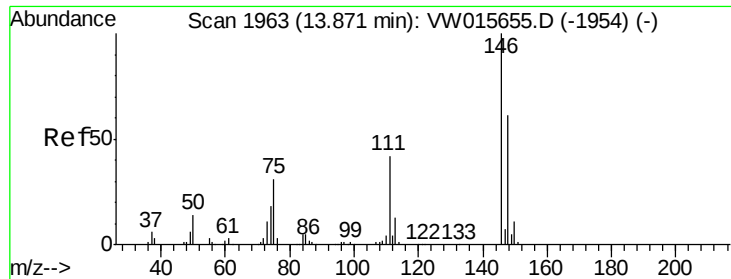
MMDadoda
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#90
Hexachloroethane
Concen: 147.414 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	37.1	111.5





#91

1,2-Dichlorobenzene

Concen: 144.277 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Instrument :

MSVOA_W

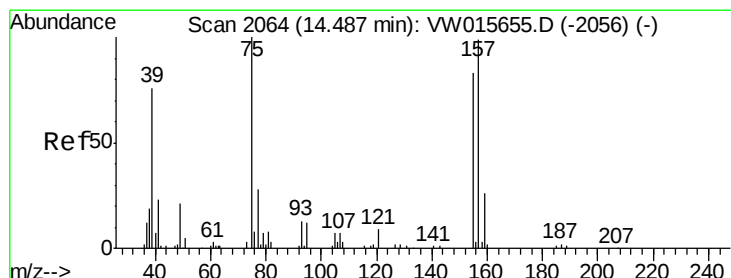
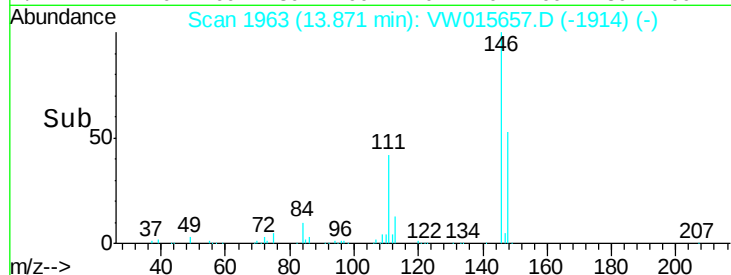
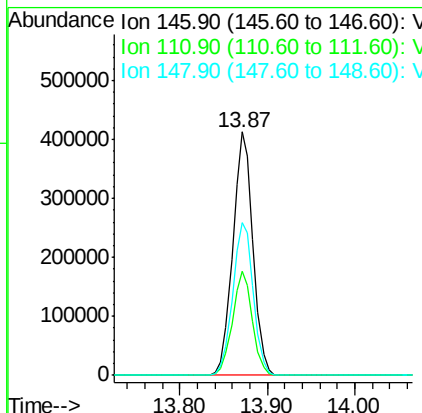
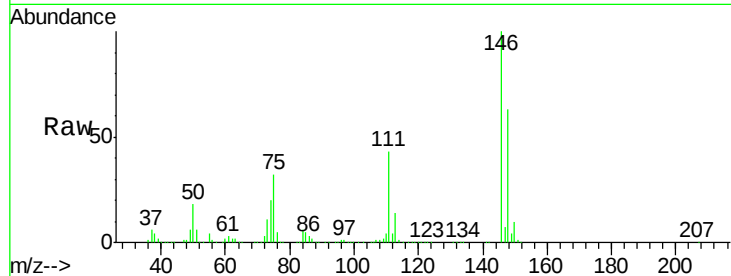
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	657345
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.3	63.7
148	64.4	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 140.778 ug/l

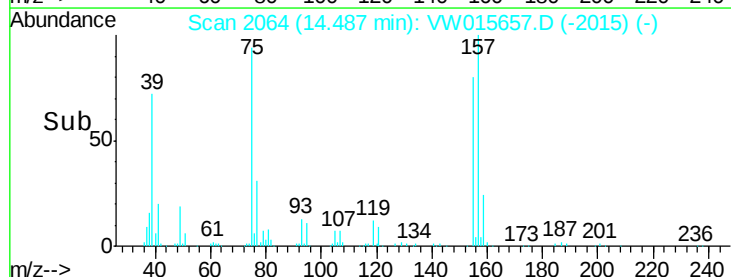
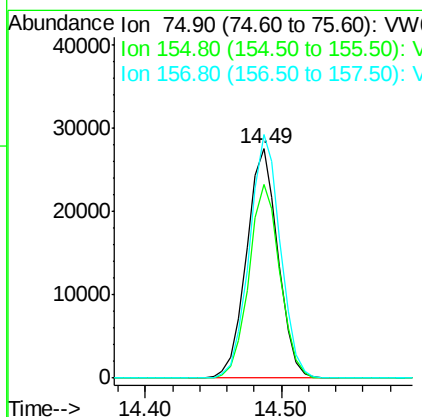
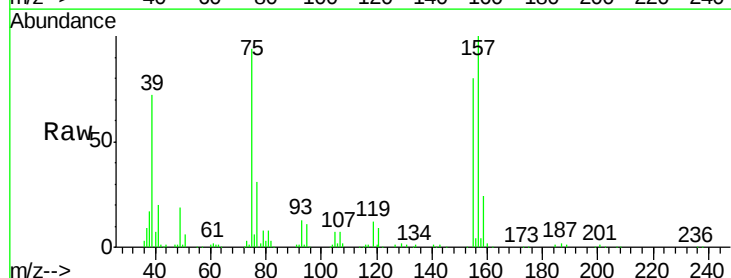
RT: 14.49 min Scan# 2064

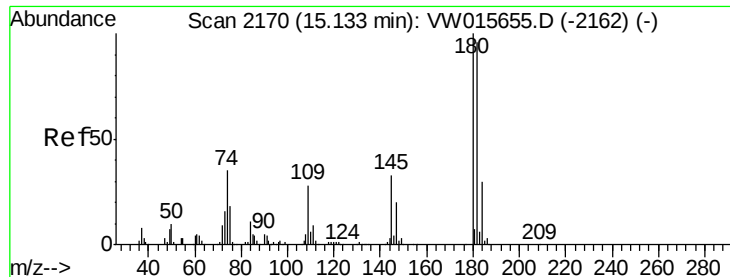
Delta R.T. 0.00 min

Lab File: VW015657.D

Acq: 23 Jun 2020 12:50

Tgt Ion:	75	Resp:	44585
Ion Ratio	Lower	Upper	
75	100		
155	83.2	40.8	122.2
157	104.3	50.7	152.1





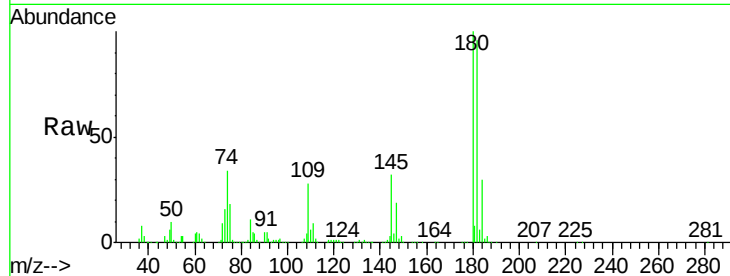
#93
1,2,4-Trichlorobenzene
Concen: 143.646 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

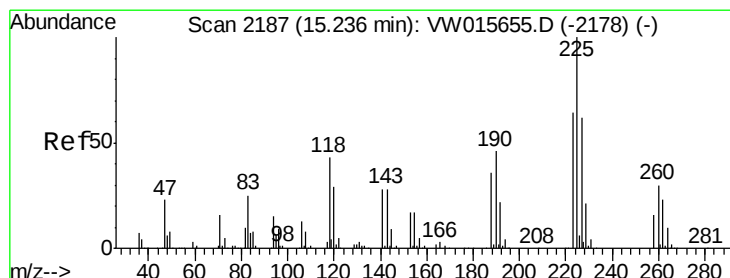
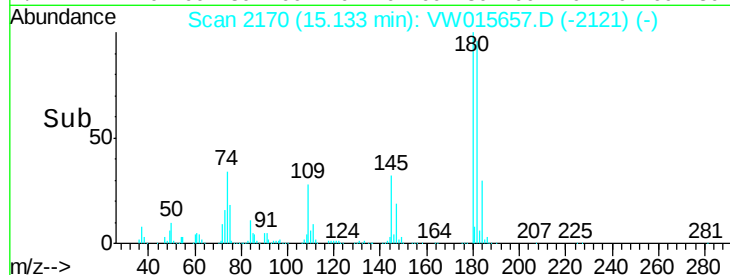
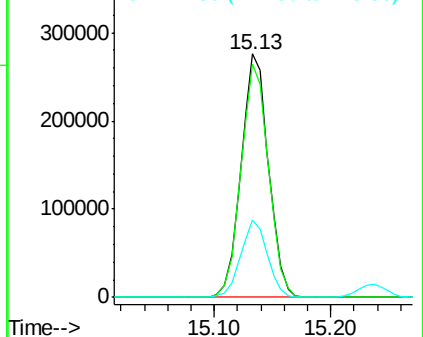
Tot Ion	Ratio	Resp	Lower	Upper
180	100	450844		
182	96.7	47.9	143.6	
145	31.0	15.6	46.7	

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:18 AM

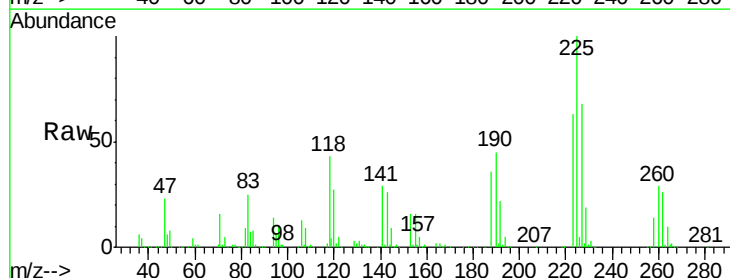


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

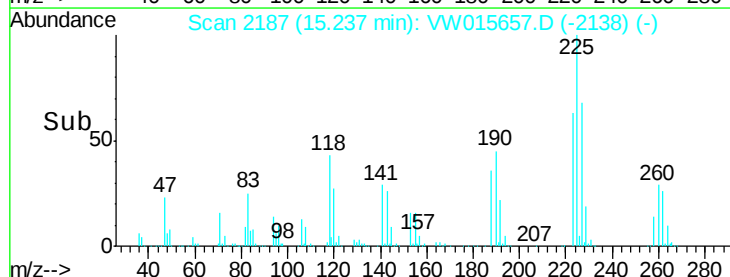
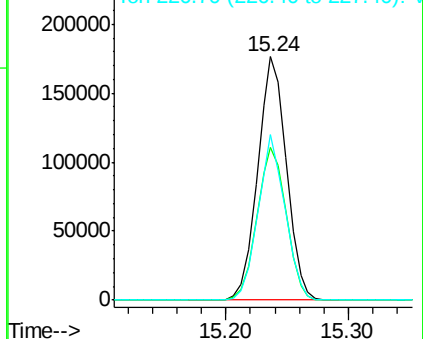


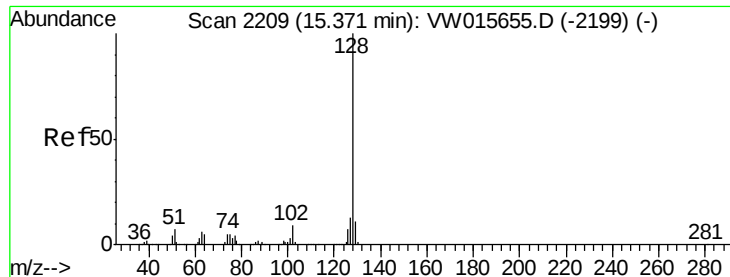
#94
Hexachlorobutadiene
Concen: 149.155 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	288279		
223	64.0	31.0	93.0	
227	64.1	31.9	95.9	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





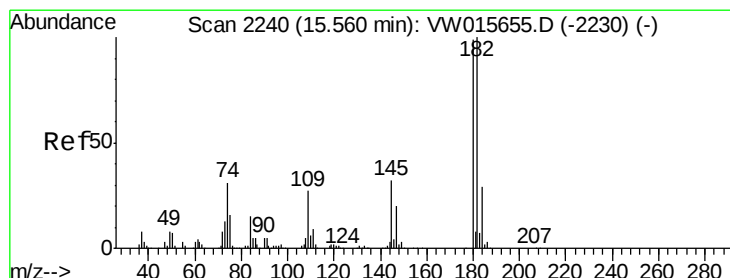
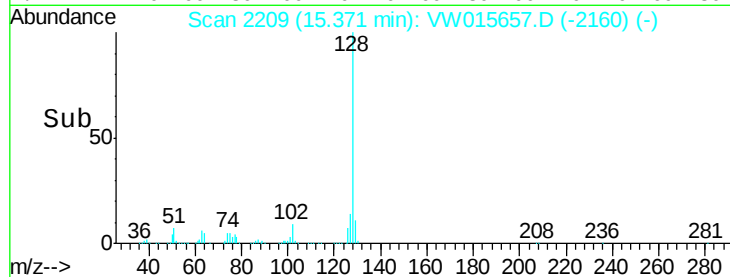
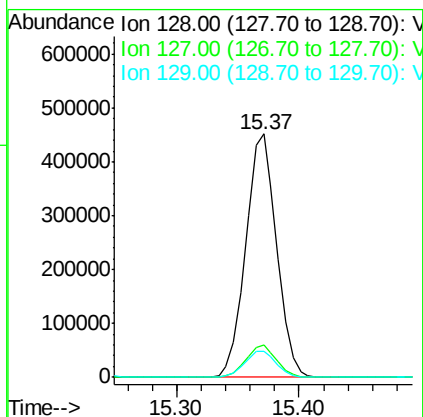
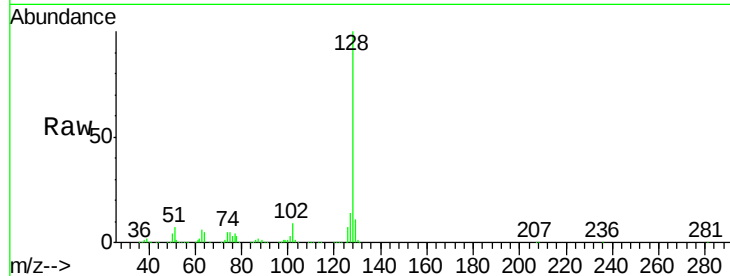
#95
Naphthalene
Concen: 151.357 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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6/24/2020 10:58:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 148.460 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015657.D
Acq: 23 Jun 2020 12:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	49.0	147.0
145	32.8	16.4	49.2

