

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062220\
 Data File : VW015649.D
 Acq On : 22 Jun 2020 15:01
 Operator : SY/VA
 Sample : VW0622SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBSD01

Manual Integrations
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MMDadoda
 6/23/2020 11:00:52 AM

Quant Time: Jun 23 06:17:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 13:57:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	346064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116303	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	7.89	113	100604	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.32	98	414771	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.62	95	152967	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23548	18.919	ug/l	96
3) Chloromethane	2.21	50	28278	18.485	ug/l	99
4) Vinyl Chloride	2.37	62	47070	19.743	ug/l	99
5) Bromomethane	2.78	94	34147	20.317	ug/l	97
6) Chloroethane	2.93	64	31765	20.583	ug/l	93
7) Trichlorofluoromethane	3.26	101	37002	20.798	ug/l	95
8) Diethyl Ether	3.68	74	20742	19.223	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41911	19.362	ug/l	99
10) Methyl Iodide	4.27	142	58729	18.376	ug/l	100
11) Tert butyl alcohol	5.18	59	16194	81.802	ug/l	99
12) 1,1-Dichloroethene	4.04	96	41219	19.134	ug/l	98
13) Acrolein	3.89	56	14321	99.624	ug/l	98
14) Allyl chloride	4.67	41	65713	17.934	ug/l	98
15) Acrylonitrile	5.37	53	43173	96.765	ug/l	98
16) Acetone	4.13	43	43734	81.375	ug/l	98
17) Carbon Disulfide	4.38	76	114474	17.792	ug/l	98
18) Methyl Acetate	4.67	43	21780	20.624	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	63927	19.122	ug/l	99
20) Methylene Chloride	4.92	84	47605	19.313	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	46594	19.117	ug/l	100
22) Diisopropyl ether	6.32	45	129239	18.665	ug/l	97
23) Vinyl Acetate	6.26	43	386149	94.061	ug/l	100
24) 1,1-Dichloroethane	6.22	63	81805	18.751	ug/l	100
25) 2-Butanone	7.18	43	59643	94.367	ug/l	98
26) 2,2-Dichloropropane	7.17	77	55440	18.093	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51113	19.278	ug/l	99
28) Bromochloromethane	7.51	49	33171	20.259	ug/l	100
29) Tetrahydrofuran	7.54	42	36318	96.924	ug/l	99
30) Chloroform	7.68	83	83590	19.086	ug/l	96
31) Cyclohexane	7.96	56	78595	18.448	ug/l	# 93
32) 1,1,1-Trichloroethane	7.87	97	72916	19.277	ug/l	99
36) 1,1-Dichloropropene	8.09	75	69502	19.850	ug/l	99
37) Ethyl Acetate	7.26	43	26526	19.520	ug/l	99
38) Carbon Tetrachloride	8.07	117	68913	20.102	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 13:57:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	85143	19.718	ug/l	99
40) Benzene	8.32	78	182912	19.358	ug/l	98
41) Methacrylonitrile	7.49	41	14972	19.181	ug/l	95
42) 1,2-Dichloroethane	8.40	62	58953	20.442	ug/l	100
43) Isopropyl Acetate	8.43	43	53704	19.893	ug/l	99
44) Trichloroethene	9.10	130	50739	20.124	ug/l	93
45) 1,2-Dichloropropane	9.37	63	45067	19.553	ug/l	98
46) Dibromomethane	9.46	93	23620	20.074	ug/l	99
47) Bromodichloromethane	9.65	83	61663	19.366	ug/l	100
48) Methyl methacrylate	9.44	41	24663	19.986	ug/l	98
49) 1,4-Dioxane	9.46	88	5937	336.884	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	130297	101.586	ug/l	98
52) Toluene	10.39	92	123842	20.319	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	60597	19.307	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	70201	18.982	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34429	20.962	ug/l	97
56) Ethyl methacrylate	10.65	69	42041	19.678	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59546	20.473	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	103484	101.305	ug/l	99
59) 2-Hexanone	10.97	43	89579	100.970	ug/l	99
60) Dibromochloromethane	11.13	129	38913	19.416	ug/l	100
61) 1,2-Dibromoethane	11.24	107	31330	19.932	ug/l	96
64) Tetrachloroethene	10.87	164	42420	19.778	ug/l	97
65) Chlorobenzene	11.66	112	129682	19.874	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44724	19.178	ug/l	100
67) Ethyl Benzene	11.73	91	239779	19.529	ug/l	99
68) m/p-Xylenes	11.84	106	181376	39.537	ug/l	99
69) o-Xylene	12.17	106	81933	19.173	ug/l	99
70) Styrene	12.18	104	142351	19.503	ug/l	99
71) Bromoform	12.35	173	20656	18.428	ug/l #	99
73) Isopropylbenzene	12.47	105	235795	18.921	ug/l	100
74) N-amyl acetate	12.27	43	50347	18.822	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	39062	20.342	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	28347m	20.624	ug/l	
77) Bromobenzene	12.75	156	50046	18.597	ug/l	97
78) n-propylbenzene	12.80	91	286169	19.220	ug/l	100
79) 2-Chlorotoluene	12.90	91	163250	19.317	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	201187	19.157	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10841	16.989	ug/l	94
82) 4-Chlorotoluene	12.99	91	170991	19.597	ug/l	99
83) tert-Butylbenzene	13.21	119	170718	19.048	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	198430	18.907	ug/l	99
85) sec-Butylbenzene	13.38	105	243104	19.220	ug/l	100
86) p-Isopropyltoluene	13.50	119	226117	19.517	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105881	19.833	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	104907	19.724	ug/l	98
89) n-Butylbenzene	13.82	91	216913	19.504	ug/l	99
90) Hexachloroethane	14.10	117	38794	18.202	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	92544	19.854	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6113	18.465	ug/l	98

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MSVOA_W
ClientSampleId :
VW0622SBSD01

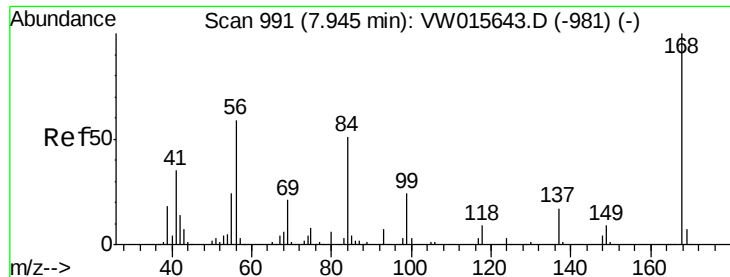
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 02 13:57:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63079	19.700	ug/l	98
94) Hexachlorobutadiene	15.24	225	39572	20.266	ug/l	98
95) Naphthalene	15.37	128	103976	19.200	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	52693	19.536	ug/l	96

(#) = 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. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

Tot Ion:168 Resp: 222803

Ion Ratio Lower Upper

168 100

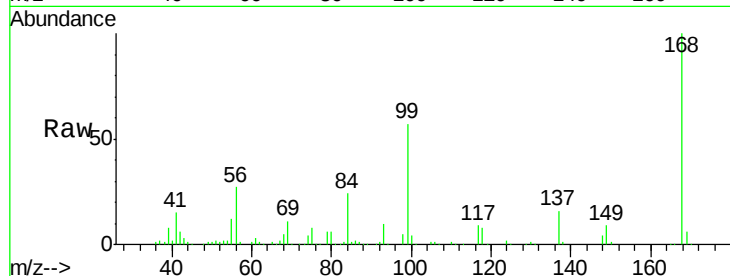
99 57.0 48.6 73.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

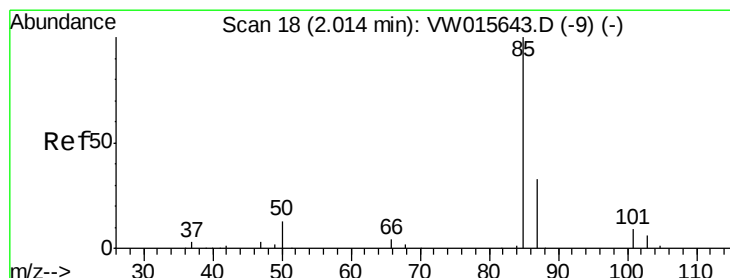
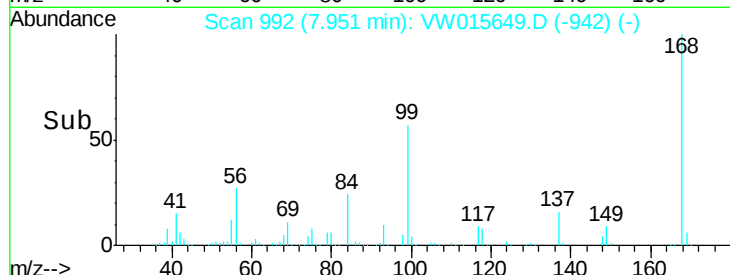
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.919 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015649.D

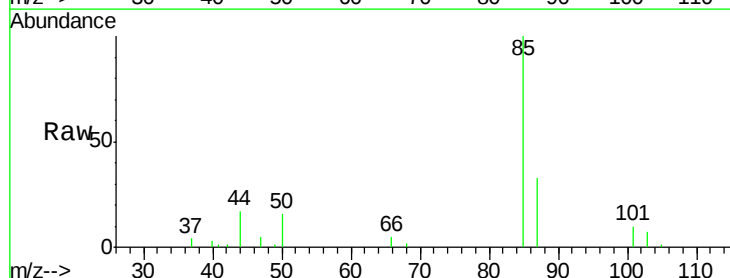
Acq: 22 Jun 2020 15:01

Tgt Ion: 85 Resp: 23548

Ion Ratio Lower Upper

85 100

87 33.0 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

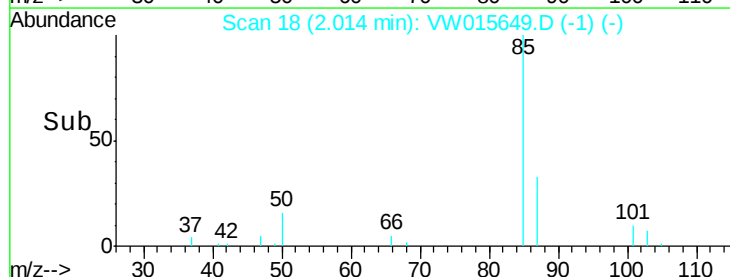
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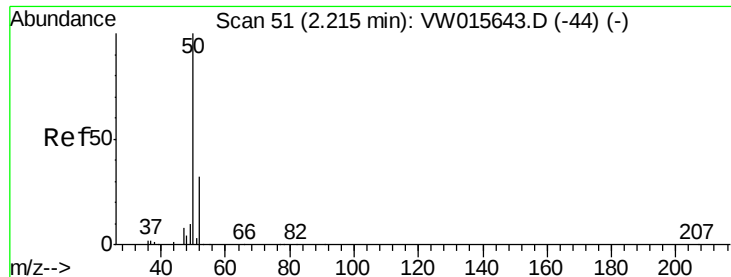
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





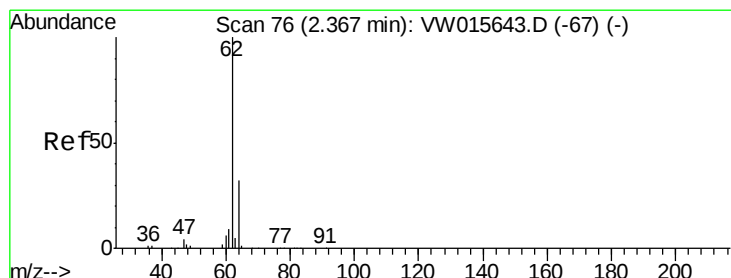
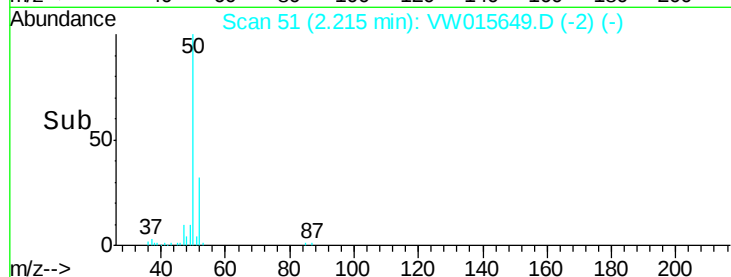
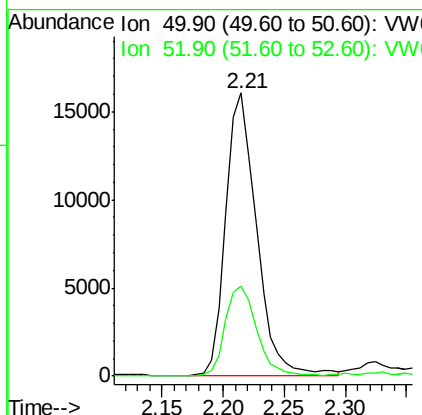
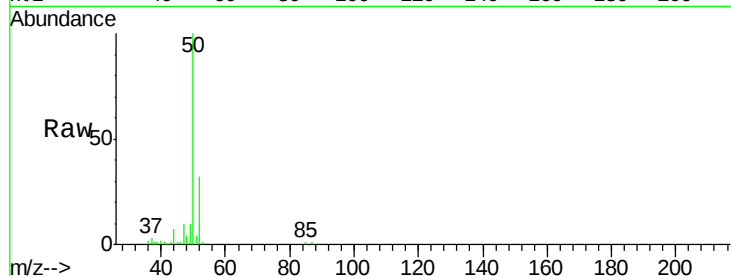
#3
Chloromethane
Concen: 18.485 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.0	39.0

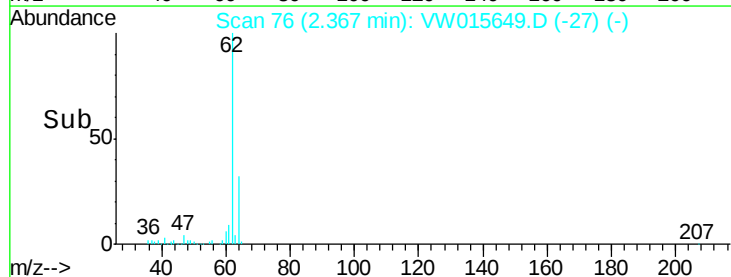
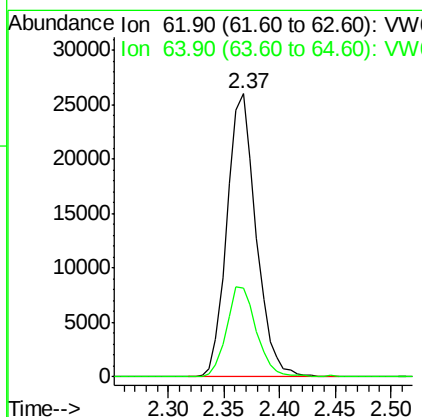
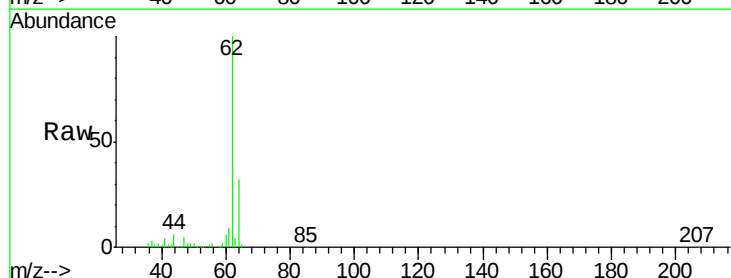
Manual Integrations
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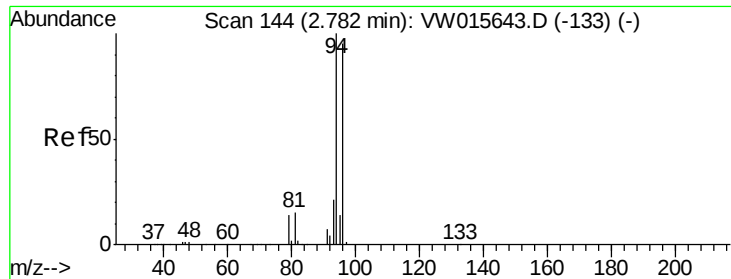
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#4
Vinyl Chloride
Concen: 19.743 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.0	37.4





#5

Bromomethane

Concen: 20.317 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

Tot Ion: 94 Resp: 34147

Ion Ratio Lower Upper

94 100

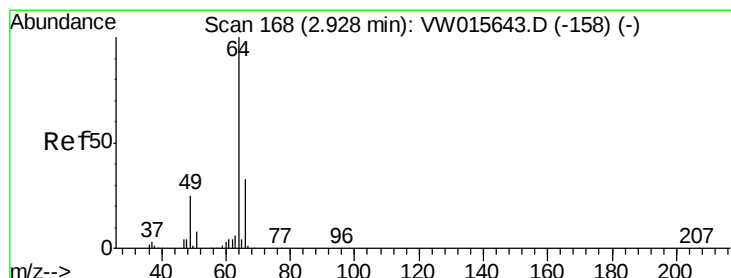
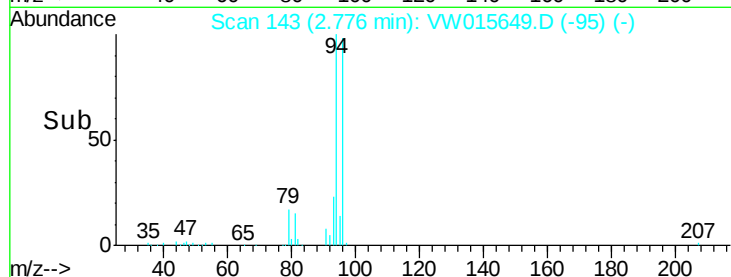
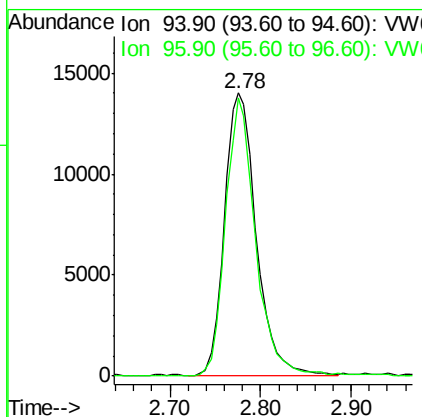
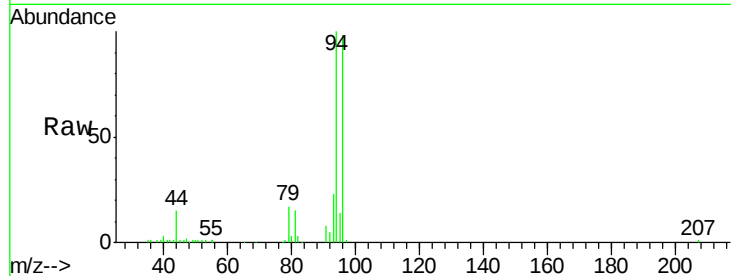
96 98.3 76.0 114.0

Manual Integrations

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6/23/2020 11:00:52 AM



#6

Chloroethane

Concen: 20.583 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015649.D

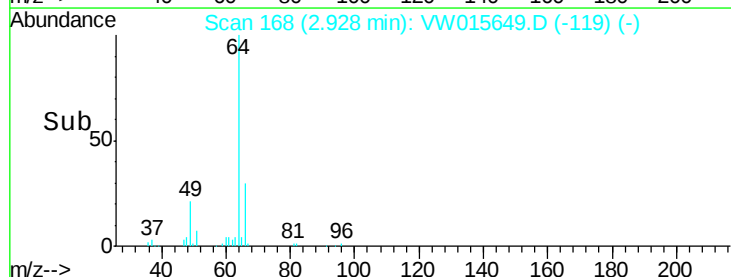
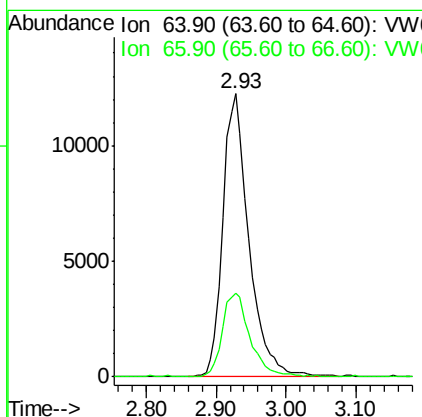
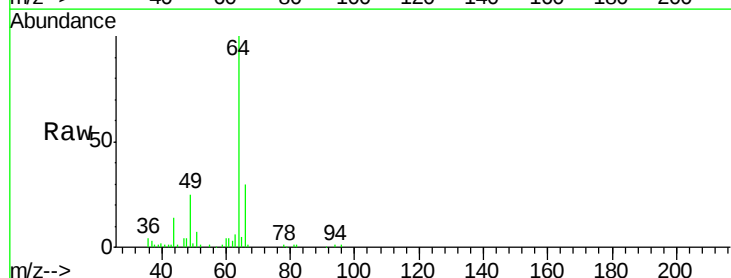
Acq: 22 Jun 2020 15:01

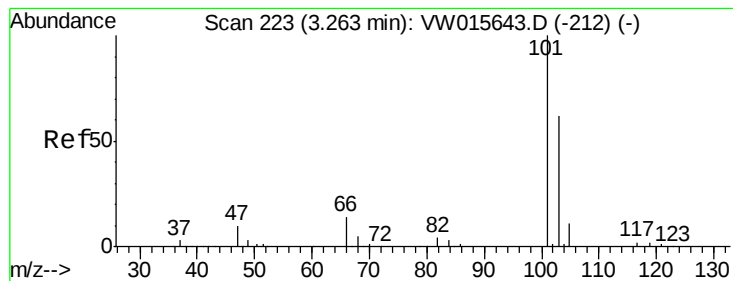
Tgt Ion: 64 Resp: 31765

Ion Ratio Lower Upper

64 100

66 29.6 26.8 40.2





#7

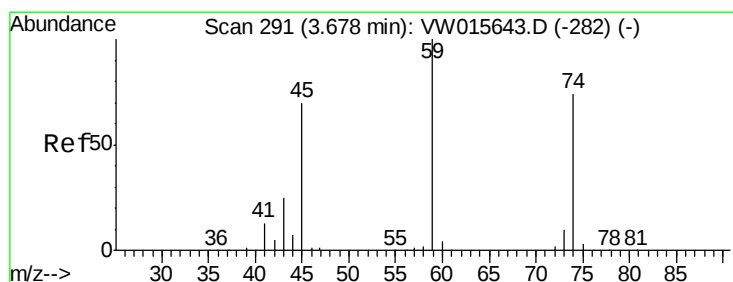
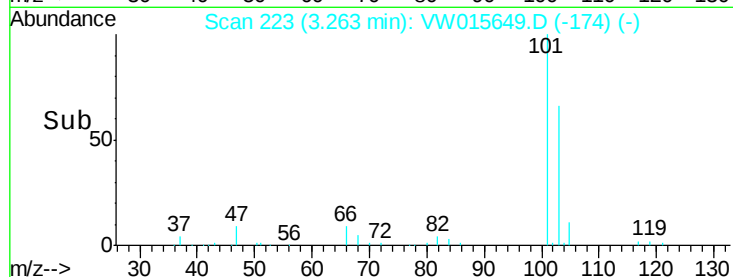
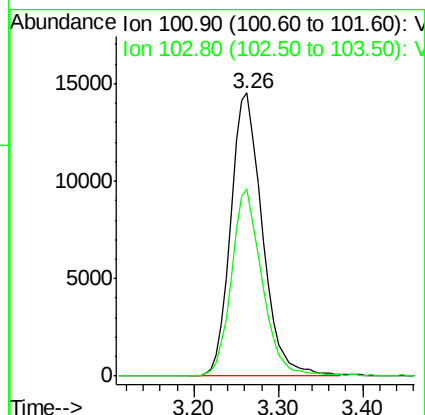
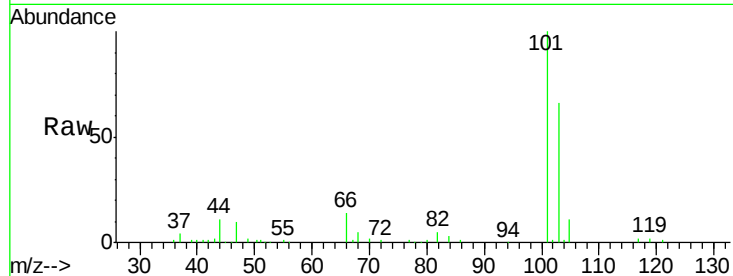
Trichlorofluoromethane
Concen: 20.798 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
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ClientSampleId :
VW0622SBSD01

Tot Ion:101 Resp: 37002
Ion Ratio Lower Upper
101 100
103 66.4 50.2 75.2

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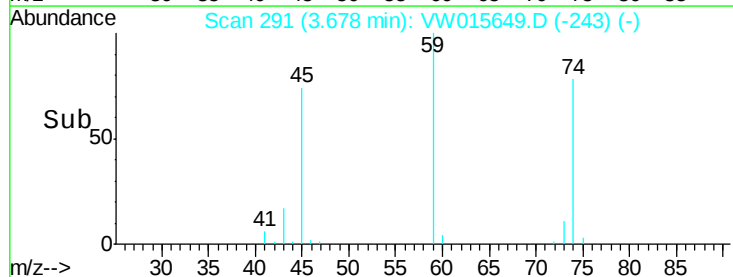
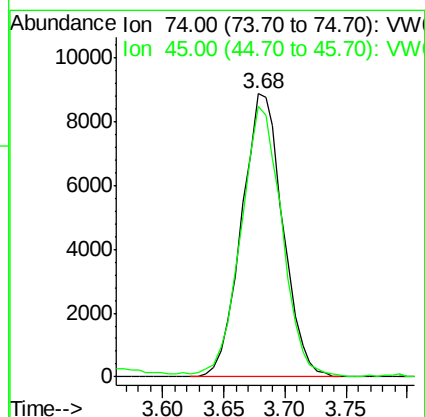
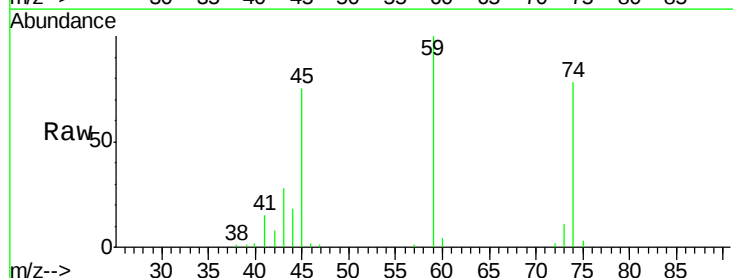
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6/23/2020 11:00:52 AM

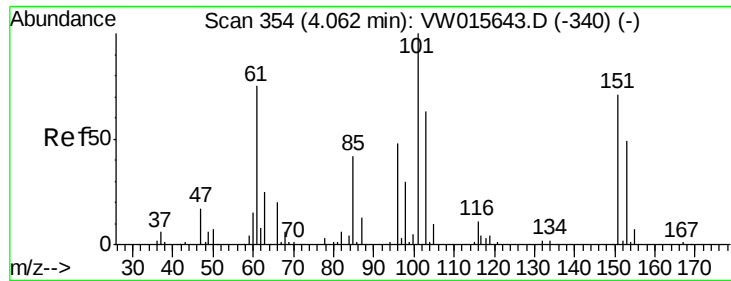


#8

Diethyl Ether
Concen: 19.223 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 74 Resp: 20742
Ion Ratio Lower Upper
74 100
45 95.5 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.362 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

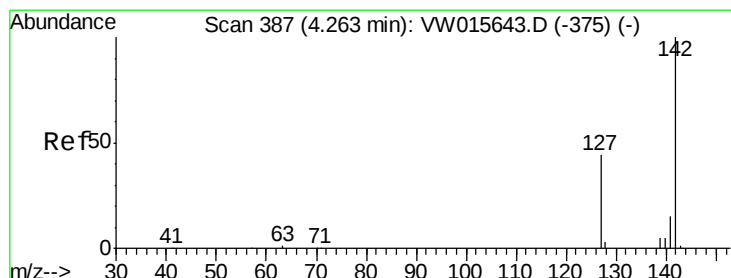
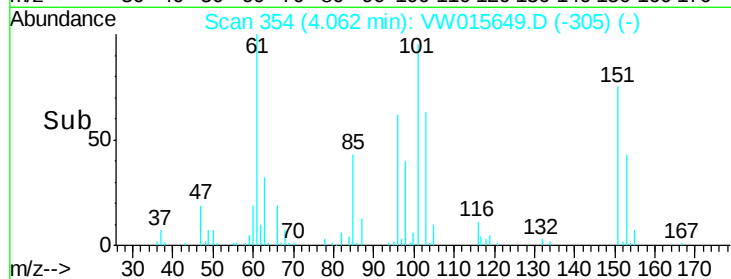
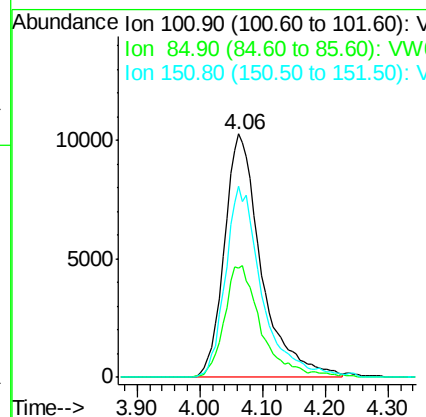
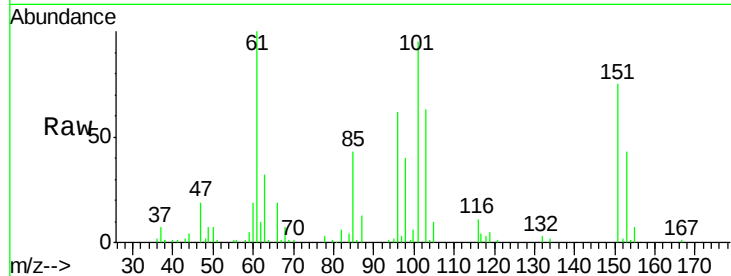
ClientSampleId :

VW0622SBS01

Tot Ion:	101	Resp:	41911
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.0	55.6
151	77.2	61.1	91.7

Manual Integrations
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6/23/2020 11:00:52 AM



#10

Methyl Iodide

Concen: 18.376 ug/l

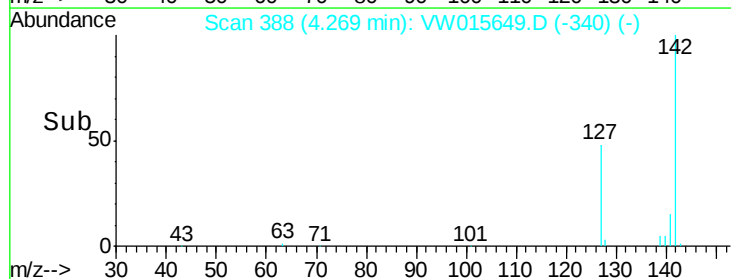
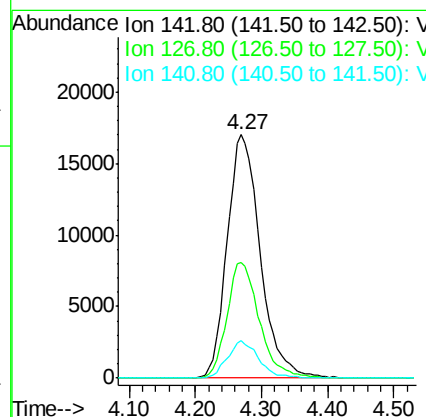
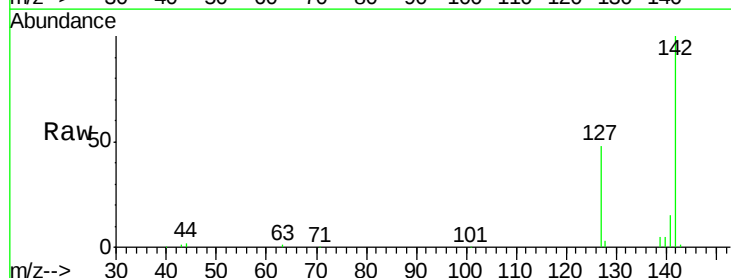
RT: 4.27 min Scan# 388

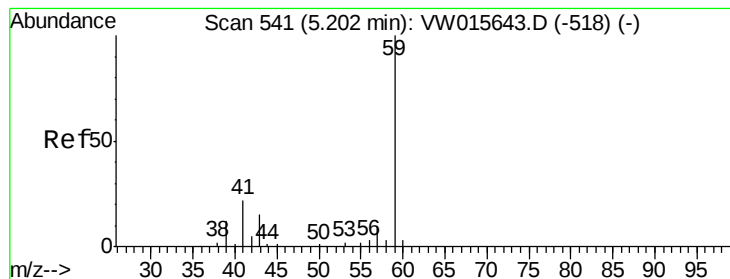
Delta R.T. -0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion:	142	Resp:	58729
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.9	55.3
141	14.5	11.7	17.5





#11

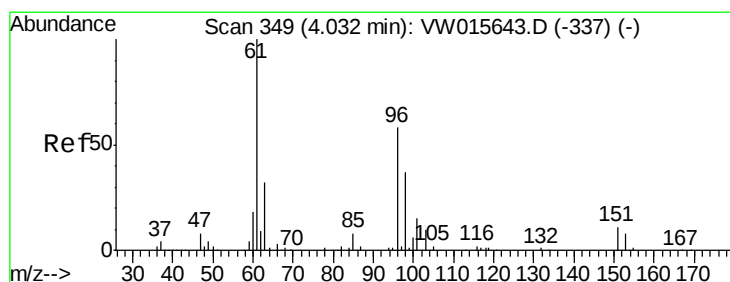
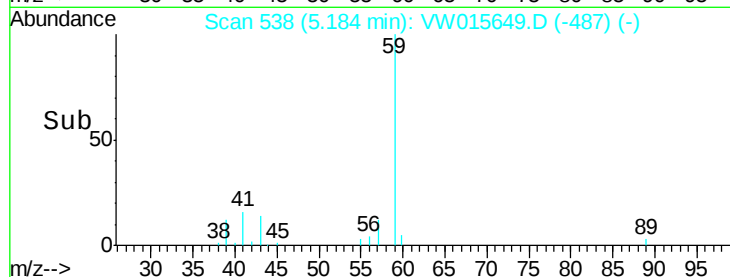
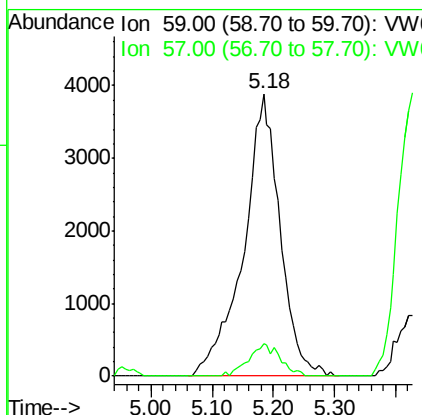
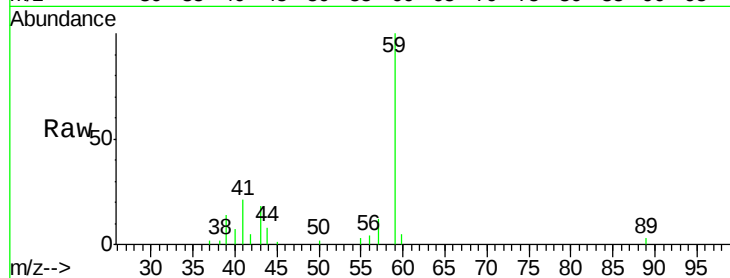
Tert butyl alcohol
Concen: 81.802 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

Manual Integrations
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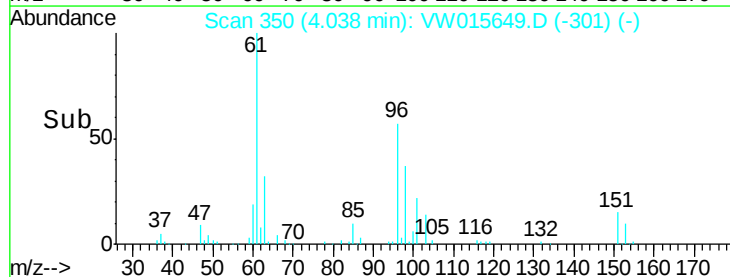
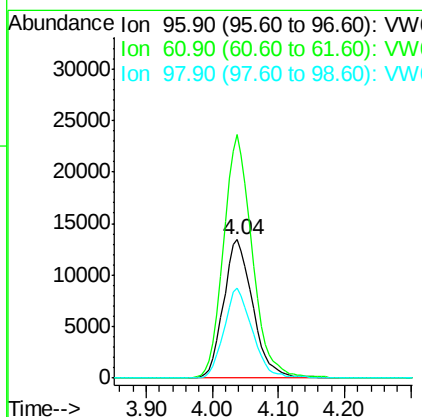
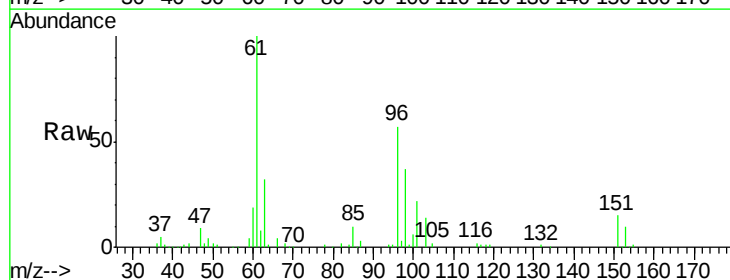
MMDadoda
6/23/2020 11:00:52 AM

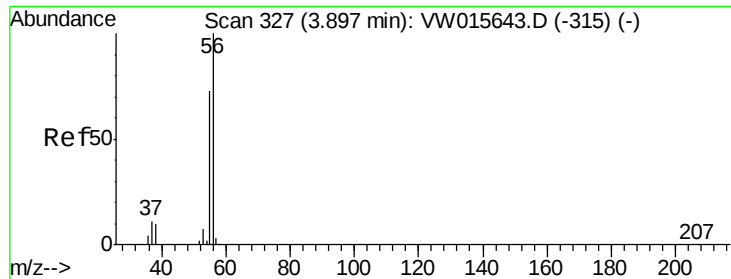


#12

1,1-Dichloroethene
Concen: 19.134 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.3	138.3	207.5
98	65.1	52.2	78.4





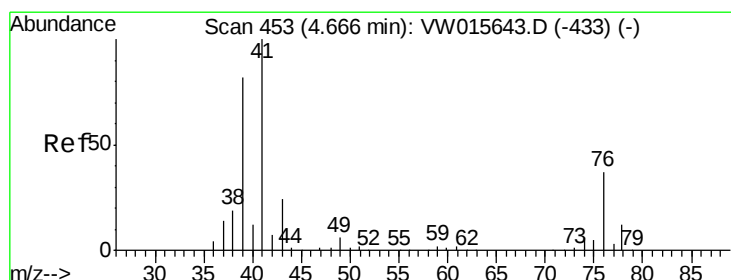
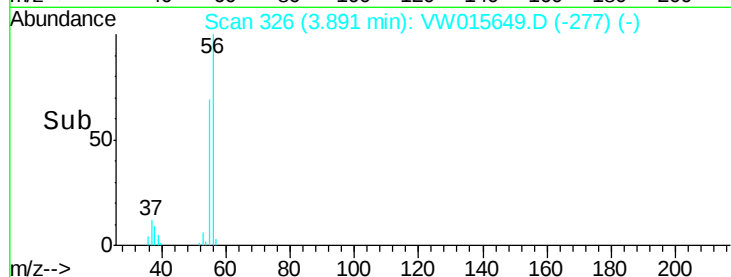
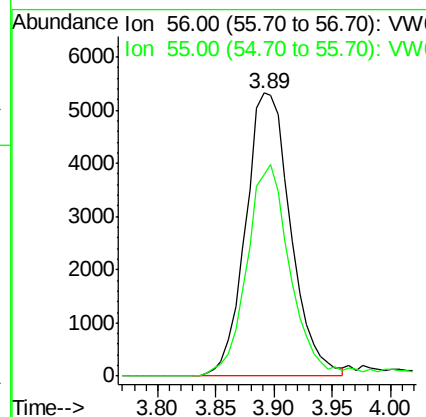
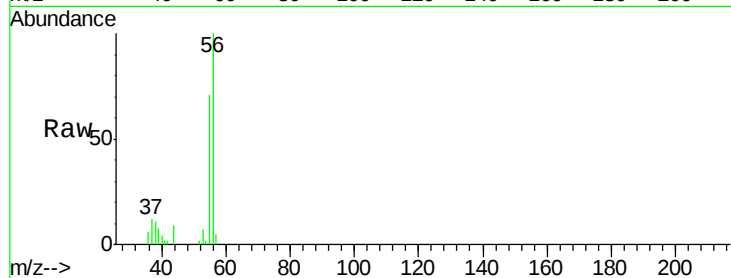
#13
Acrolein
Concen: 99.624 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion	56	Resp	14321
Ion Ratio	Lower	Upper	
56	100		
55	72.0	56.5	84.7

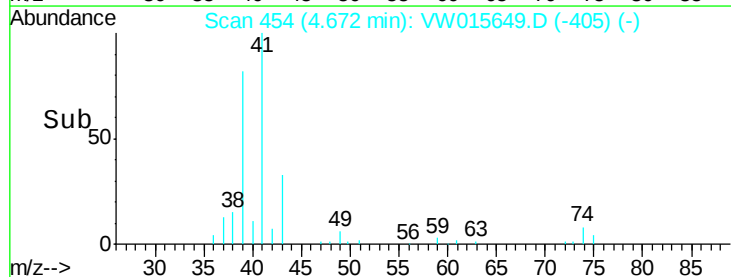
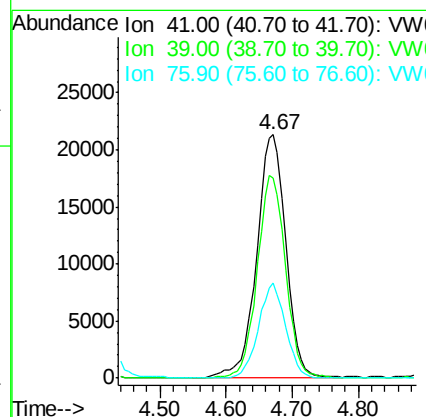
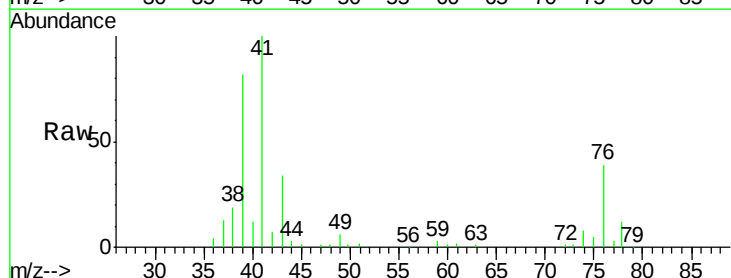
Manual Integrations
APPROVED

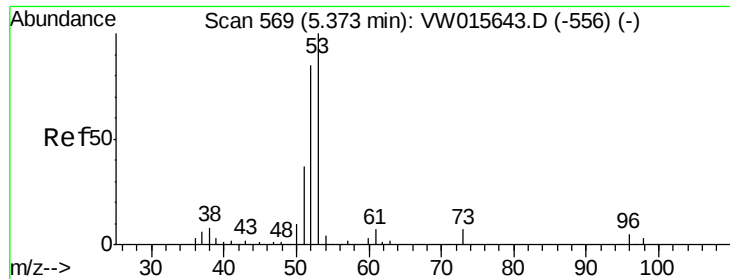
MMDadoda
6/23/2020 11:00:52 AM



#14
Allyl chloride
Concen: 17.934 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	41	Resp	65713
Ion Ratio	Lower	Upper	
41	100		
39	80.7	63.1	94.7
76	36.1	28.6	43.0





#15

Acrylonitrile

Concen: 96.765 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

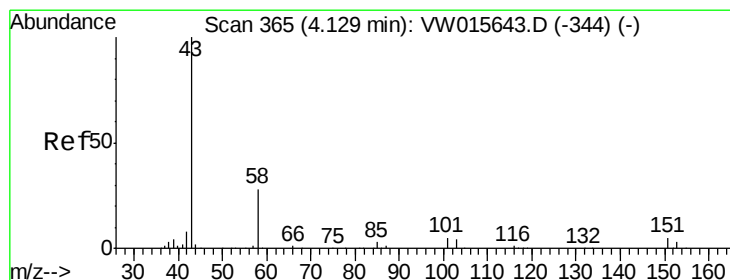
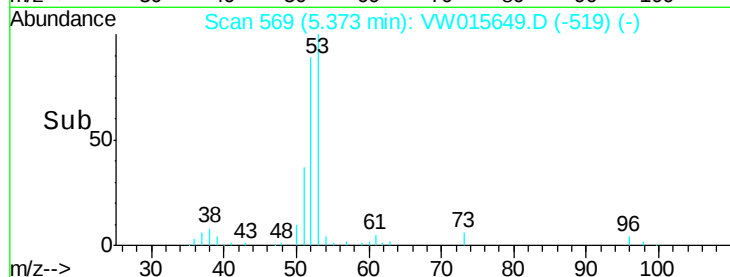
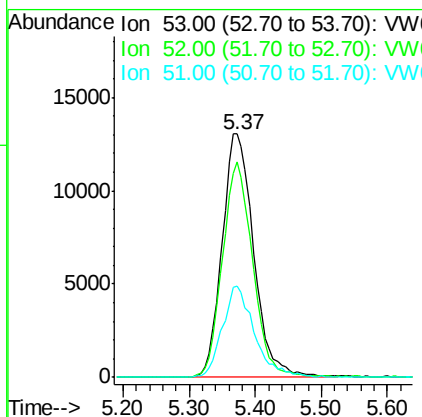
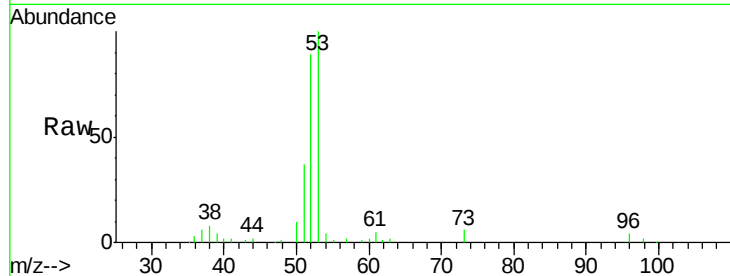
ClientSampleId :

VW0622SBS01

Tot Ion:	53	Resp:	43173
Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.1	99.1
51	37.9	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 81.375 ug/l

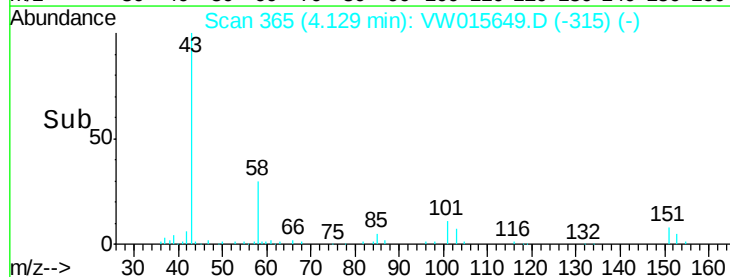
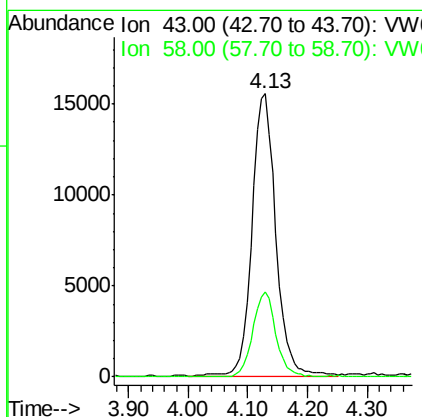
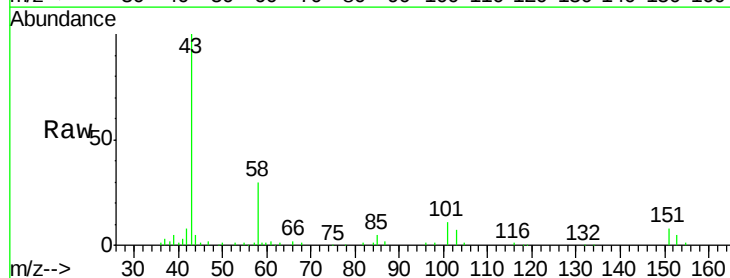
RT: 4.13 min Scan# 365

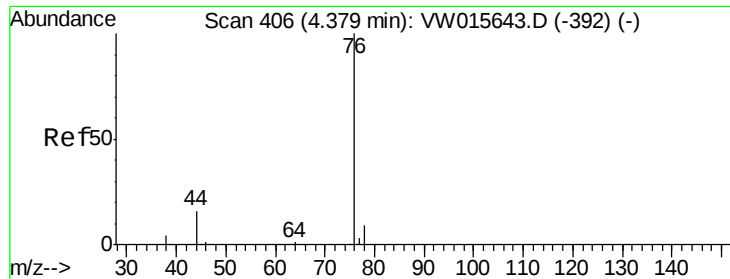
Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion:	43	Resp:	43734
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.1	34.7





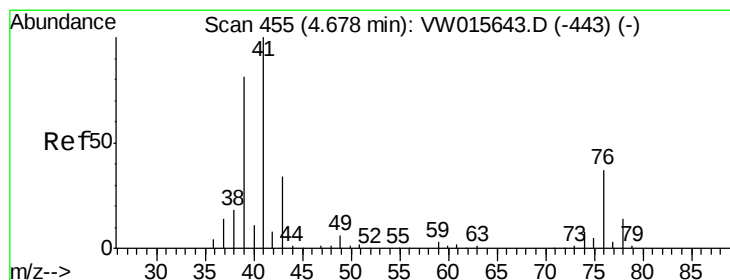
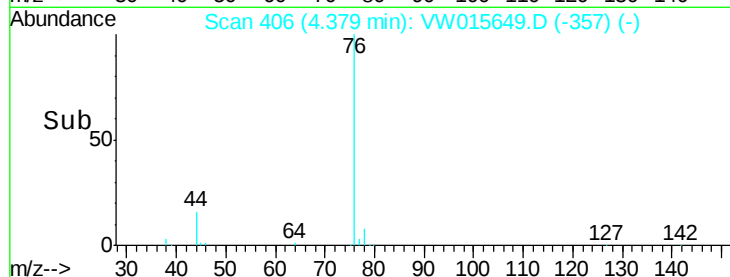
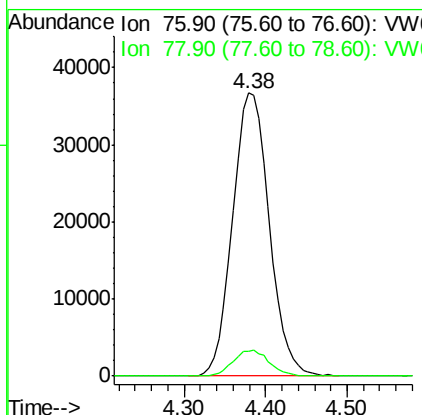
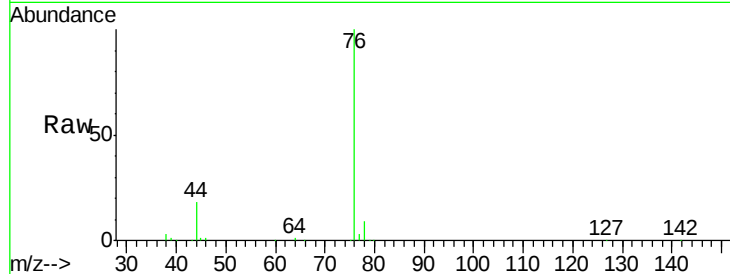
#17
Carbon Disulfide
Concen: 17.792 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion	76	Resp	114474
Ion Ratio	Lower	Upper	
76	100		
78	8.6	7.4	11.2

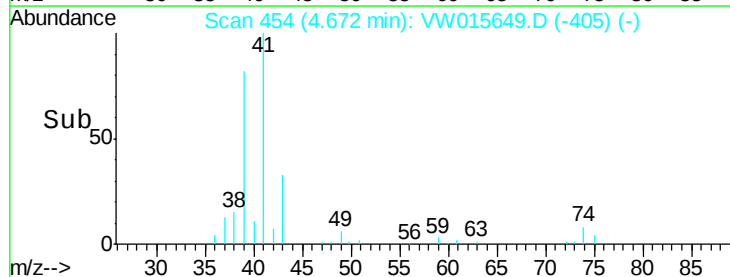
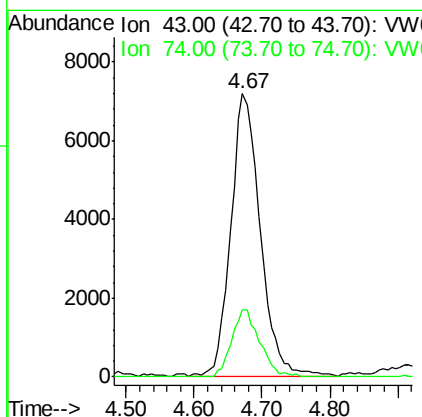
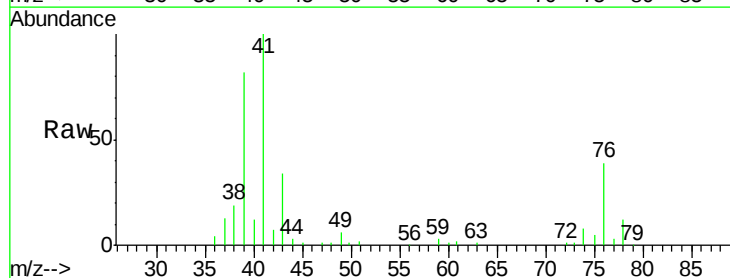
Manual Integrations
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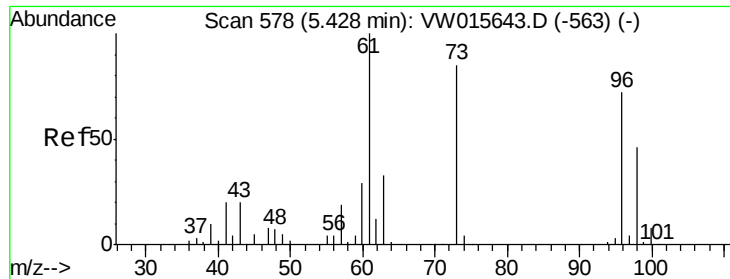
MMDadoda
6/23/2020 11:00:52 AM



#18
Methyl Acetate
Concen: 20.624 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	43	Resp	21780
Ion Ratio	Lower	Upper	
43	100		
74	22.5	18.8	28.2





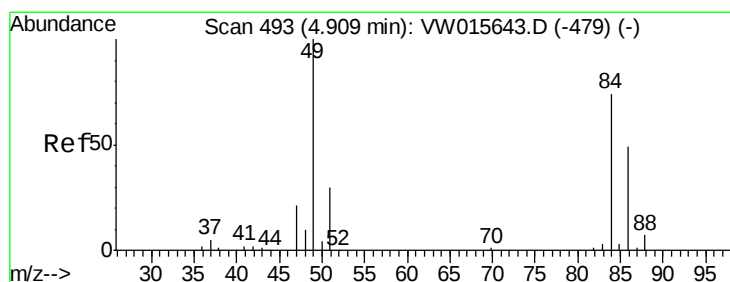
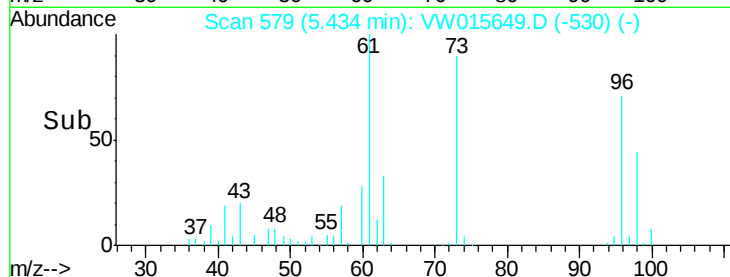
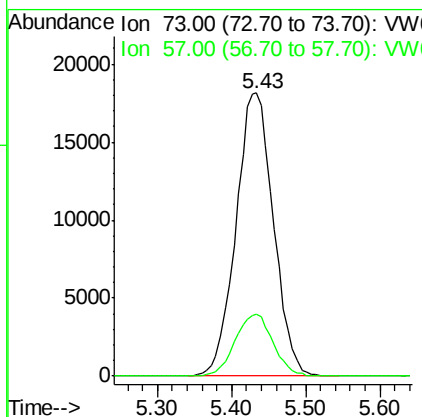
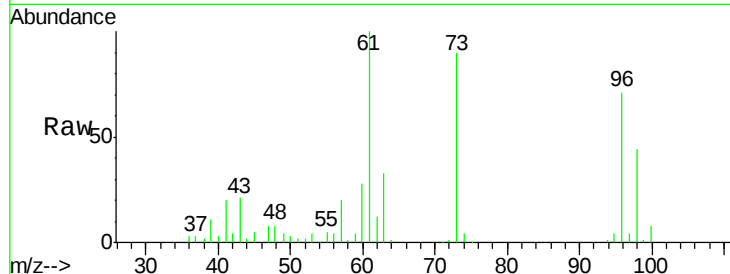
#19
Methvl tert-butvl Ether
Concen: 19.122 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion: 73 Resp: 63927
Ion Ratio Lower Upper
73 100
57 21.9 17.1 25.7

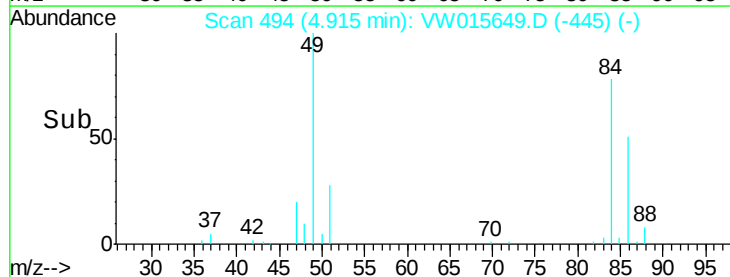
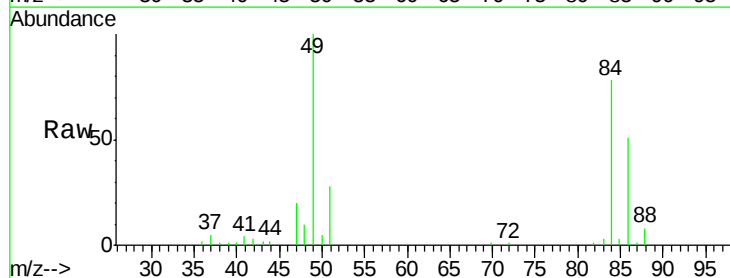
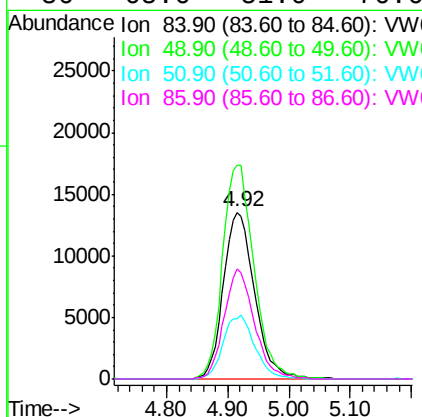
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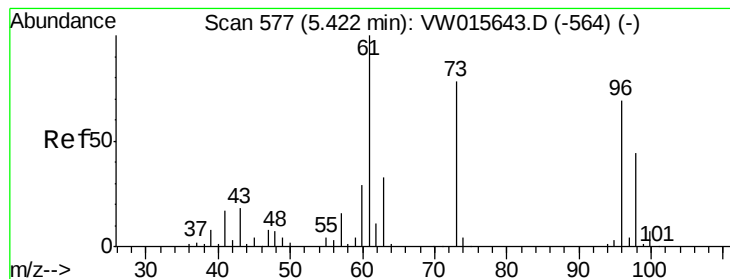
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#20
Methylene Chloride
Concen: 19.313 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 84 Resp: 47605
Ion Ratio Lower Upper
84 100
49 128.0 102.8 154.2
51 36.3 31.4 47.2
86 65.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.117 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

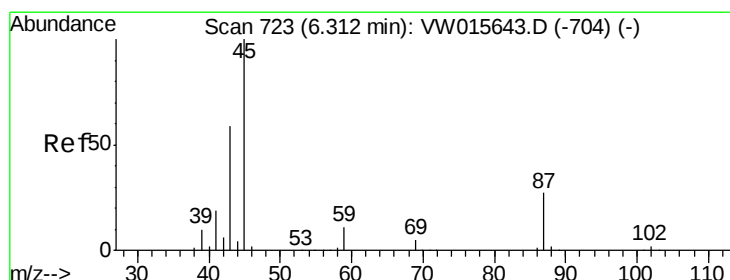
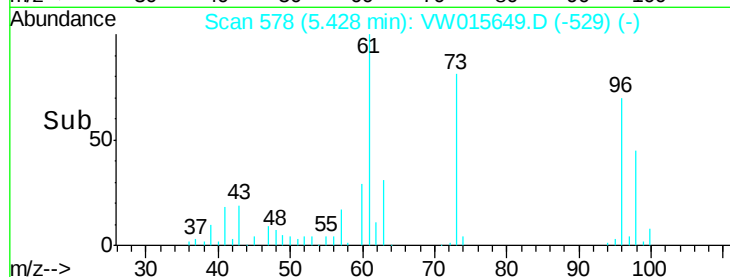
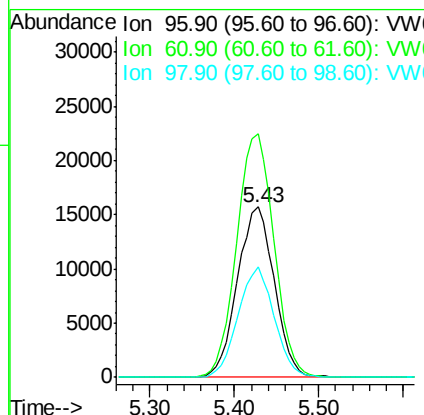
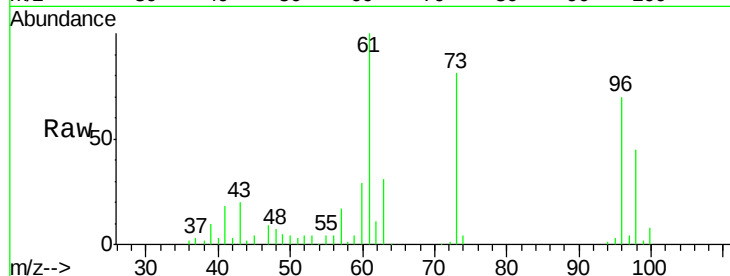
ClientSampleId :

VW0622SBS01

Tot Ion:	96	Resp:	46594
Ion	Ratio	Lower	Upper
96	100		
61	142.8	114.3	171.5
98	64.6	51.0	76.4

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#22

Diisopropyl ether

Concen: 18.665 ug/l

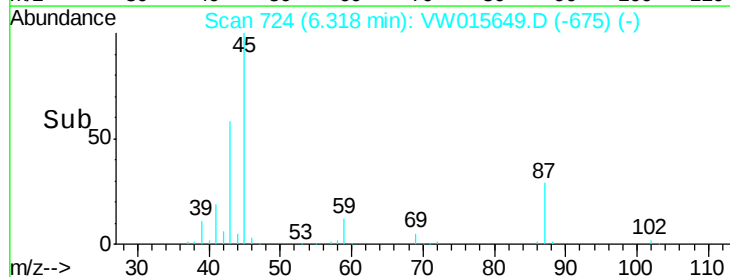
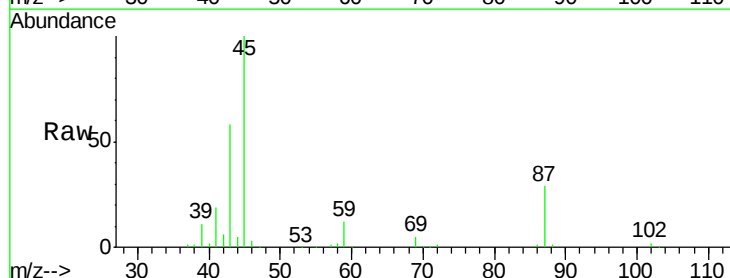
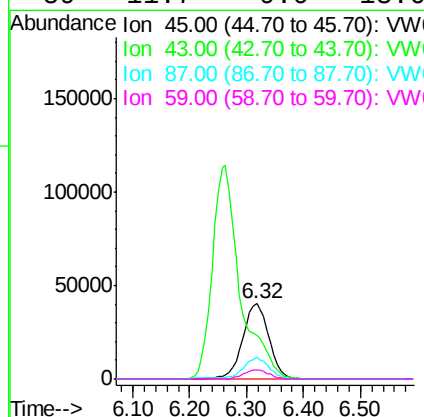
RT: 6.32 min Scan# 724

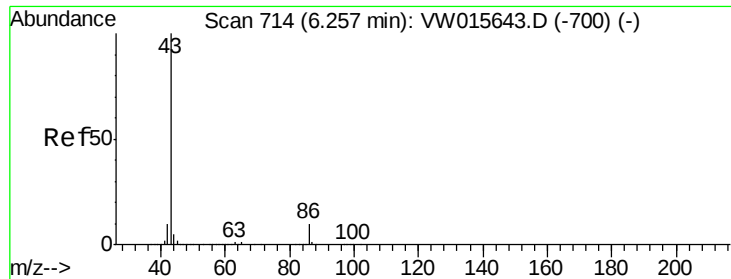
Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion:	45	Resp:	129239
Ion	Ratio	Lower	Upper
45	100		
43	57.7	44.1	66.1
87	28.9	21.8	32.8
59	11.7	9.0	13.6





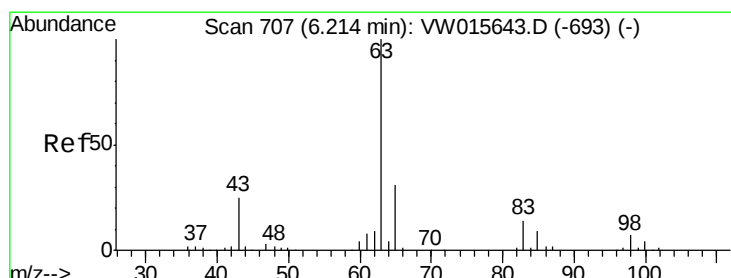
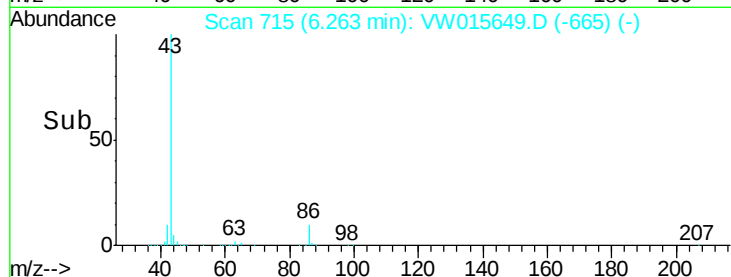
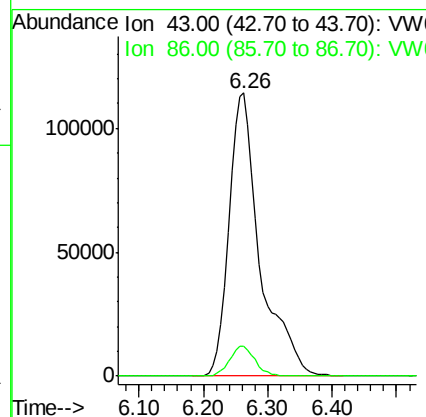
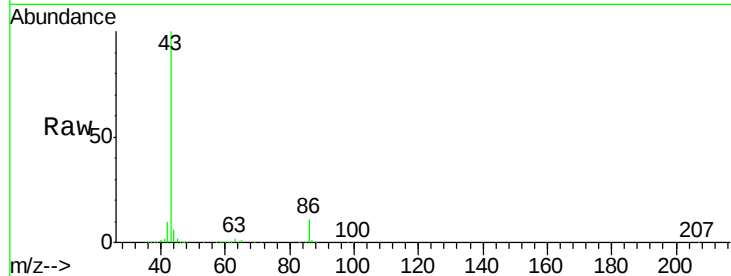
#23
 Vinyl Acetate
 Concen: 94.061 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0622SBSD01

Tot Ion	43	Resp	386149
Ion Ratio	Lower	Upper	
43	100		
86	10.5	8.6	12.8

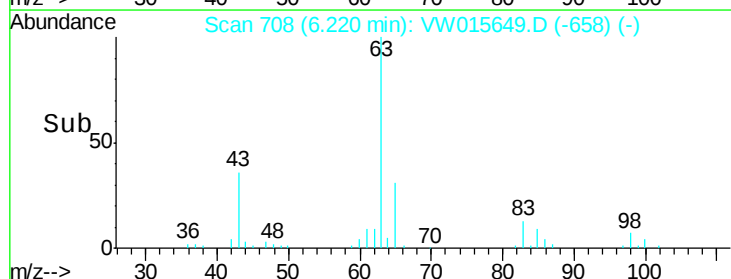
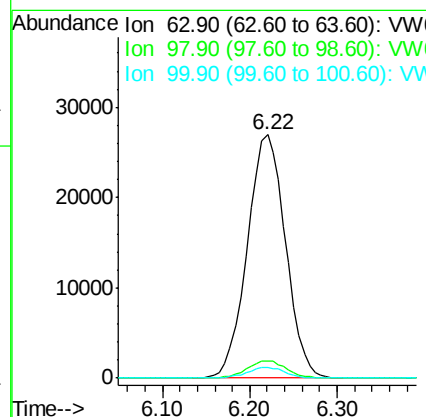
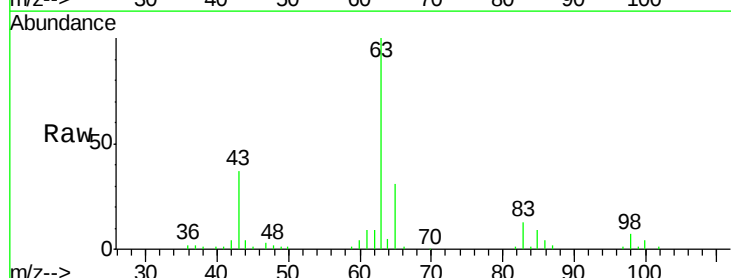
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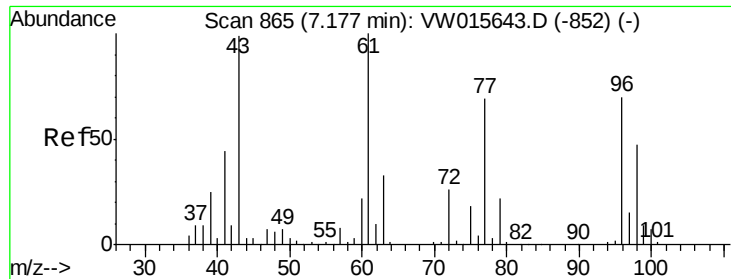
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#24
 1,1-Dichloroethane
 Concen: 18.751 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion	63	Resp	81805
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.4	10.1
100	4.4	2.2	6.6





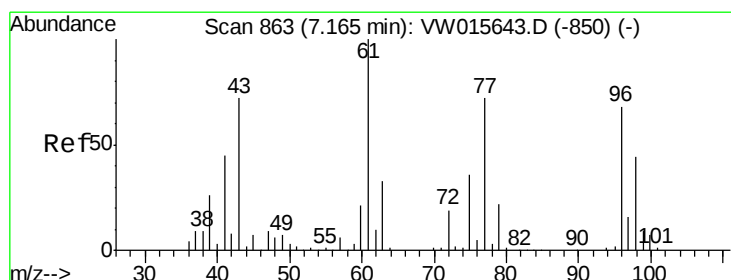
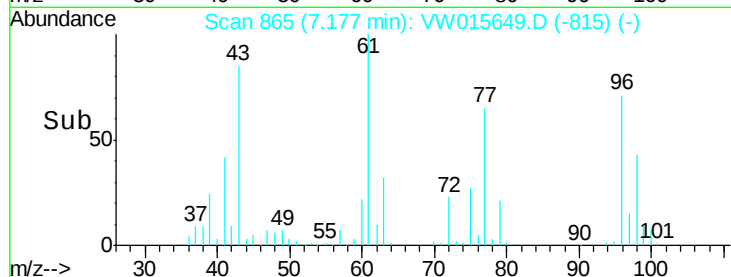
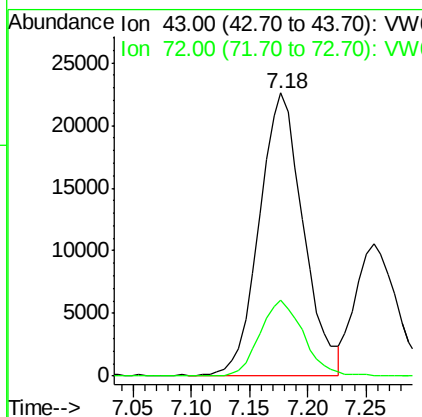
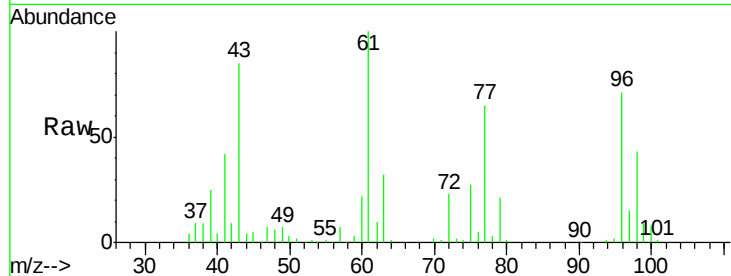
#25
2-Butanone
Concen: 94.367 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion: 43 Resp: 59643
Ion Ratio Lower Upper
43 100
72 27.0 21.0 31.4

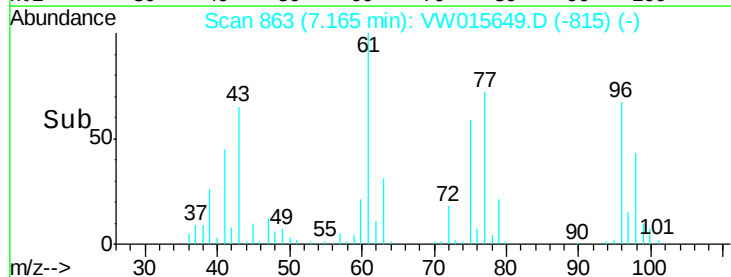
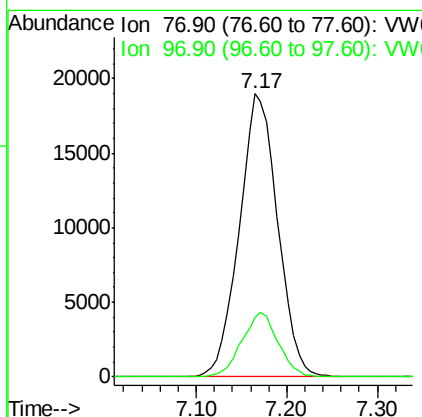
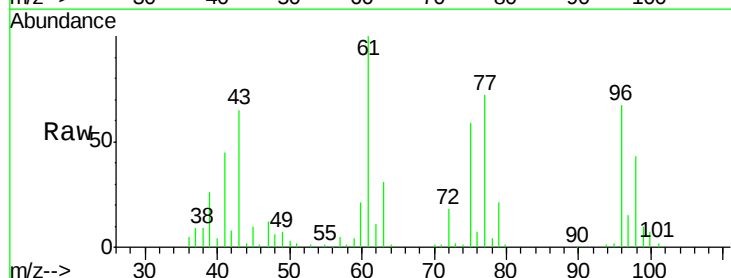
Manual Integrations
APPROVED

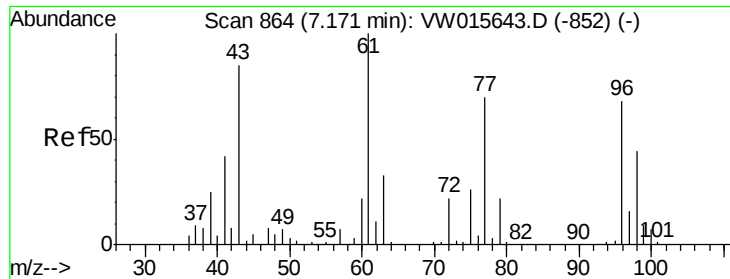
MMDadoda
6/23/2020 11:00:52 AM



#26
2,2-Dichloropropane
Concen: 18.093 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 77 Resp: 55440
Ion Ratio Lower Upper
77 100
97 21.5 11.1 33.3





#27

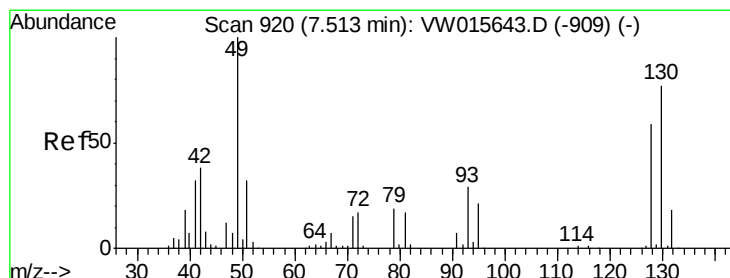
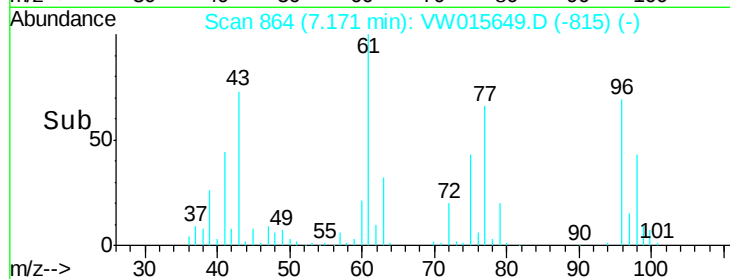
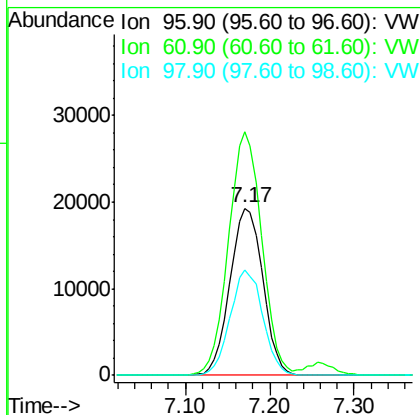
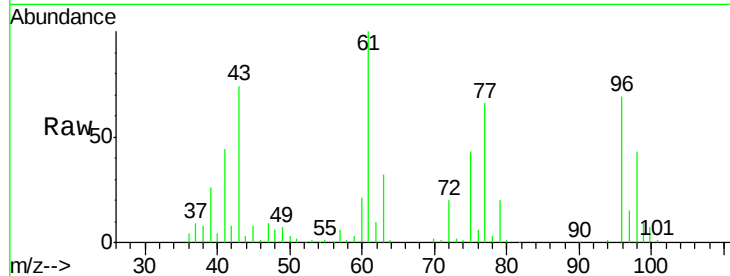
cis-1,2-Dichloroethene
Concen: 19.278 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	293.0
98	62.4	0.0	127.2

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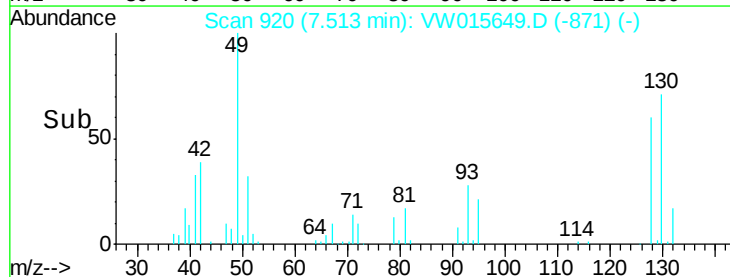
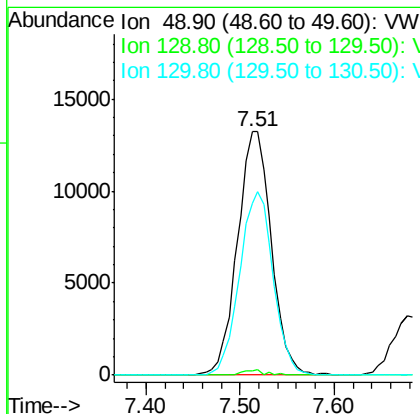
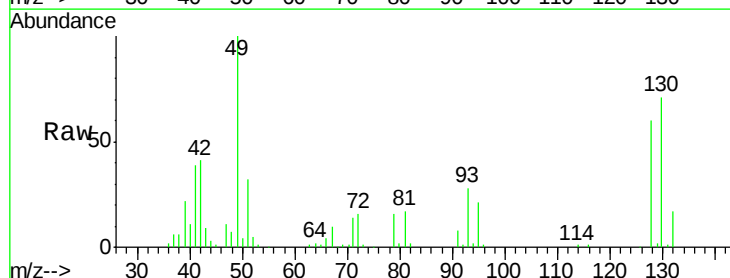
MMDadoda
6/23/2020 11:00:52 AM

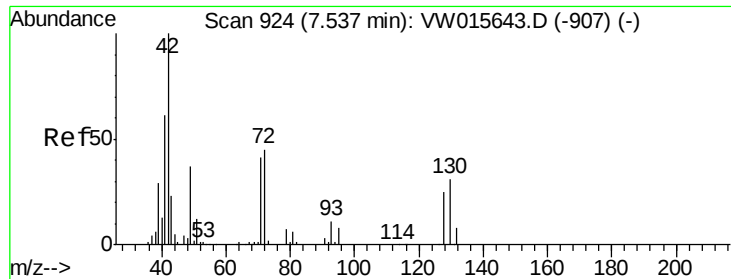


#28

Bromochloromethane
Concen: 20.259 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.0
130	74.7	59.7	89.5





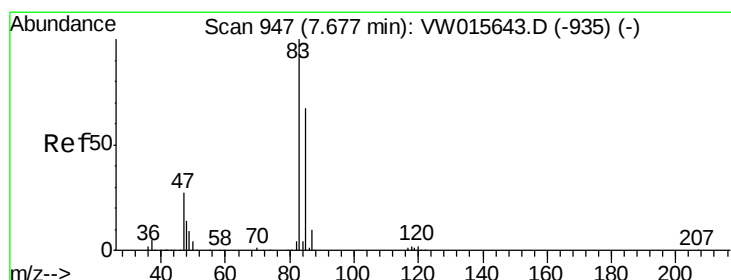
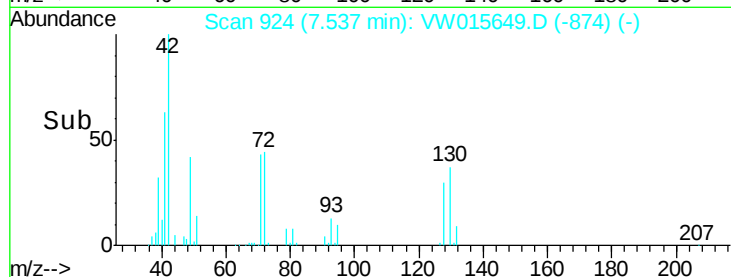
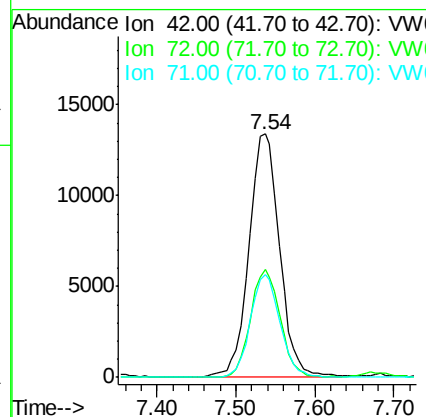
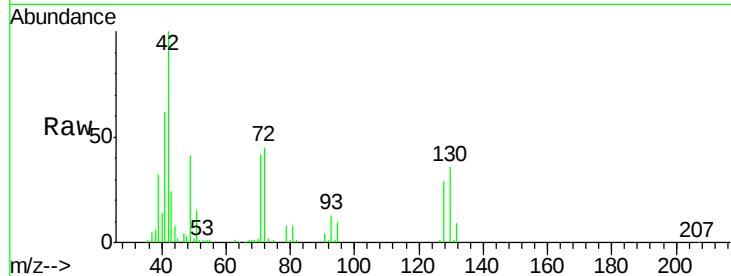
#29
Tetrahydrofuran
Concen: 96.924 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.8	52.2
71	40.8	33.3	49.9

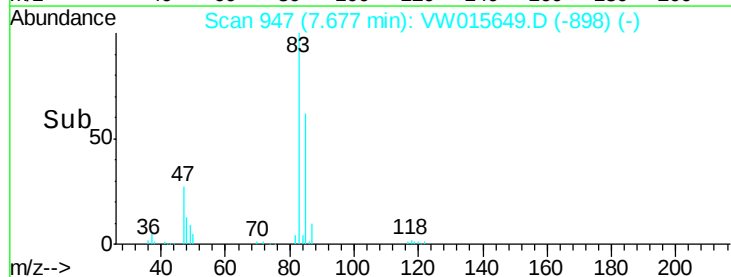
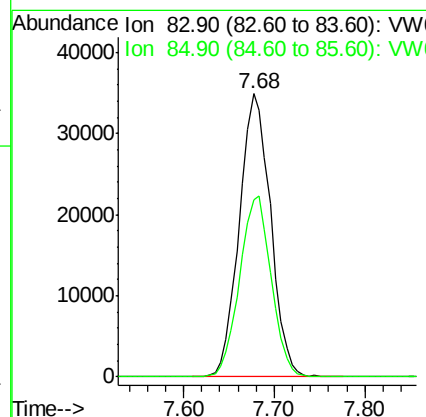
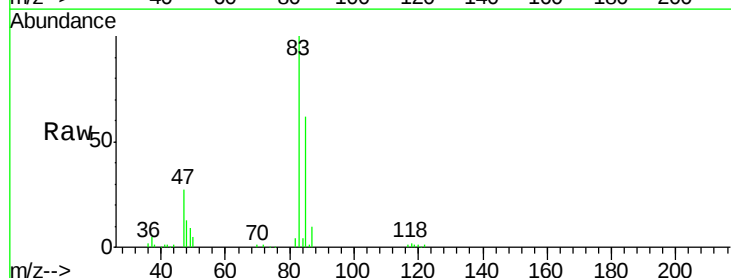
Manual Integrations
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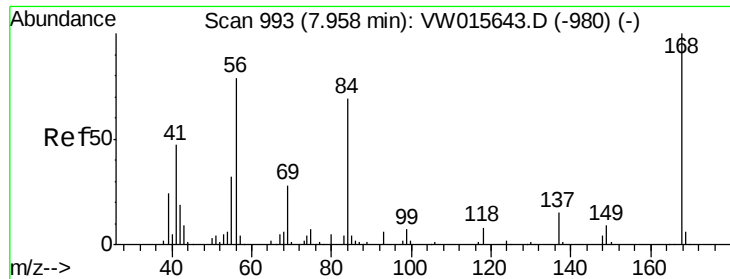
MMDadoda
6/23/2020 11:00:52 AM



#30
Chloroform
Concen: 19.086 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.2	78.4





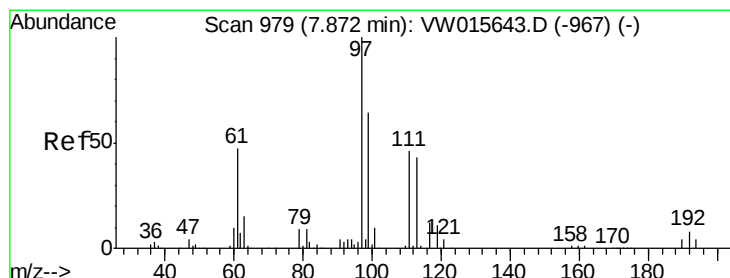
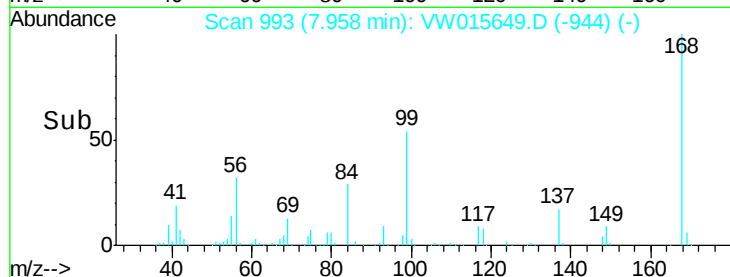
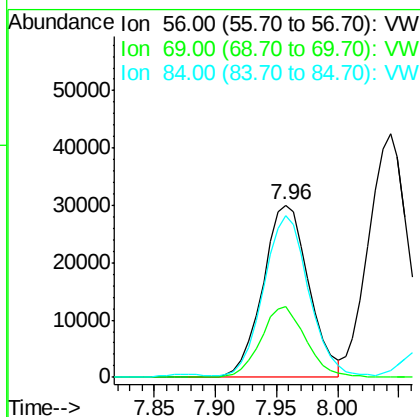
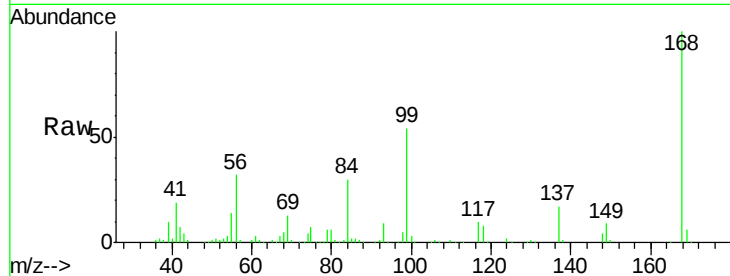
#31
Cyclohexane
Concen: 18.448 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.5	26.3	39.5#
84	91.8	71.0	106.4

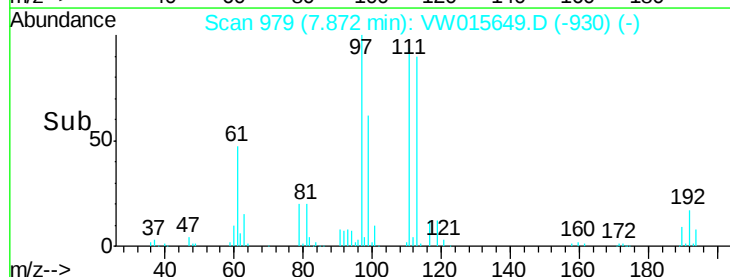
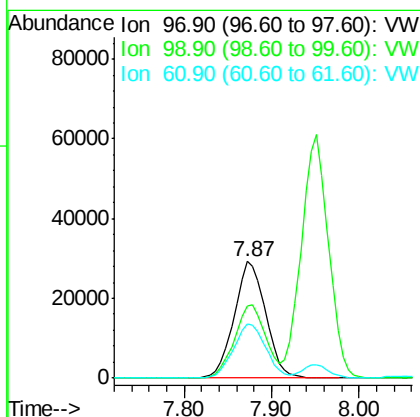
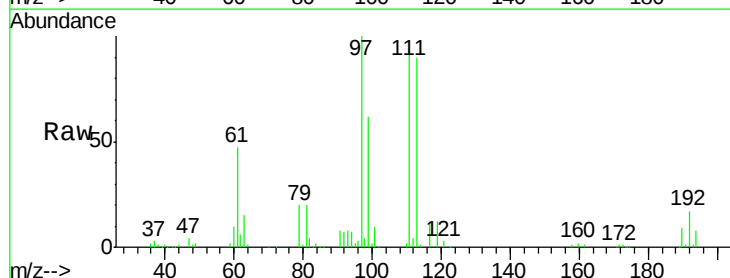
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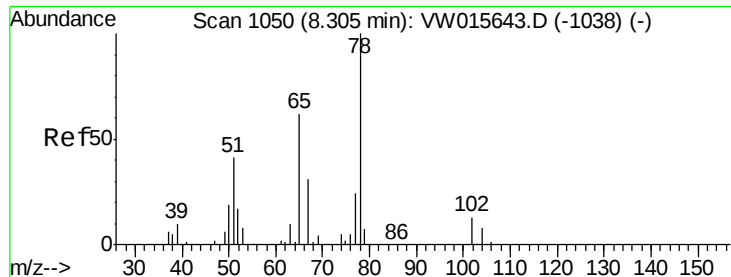
MMDadoda
6/23/2020 11:00:52 AM



#32
1,1,1-Trichloroethane
Concen: 19.277 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.4	77.0
61	48.0	37.8	56.8





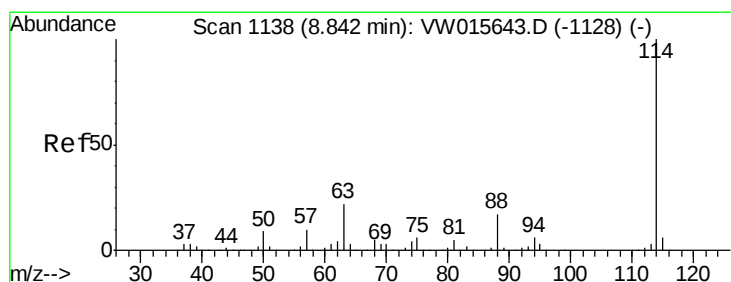
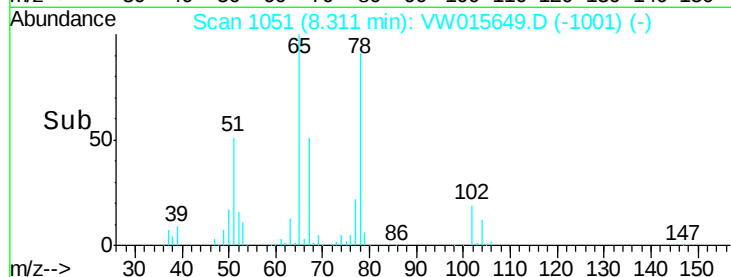
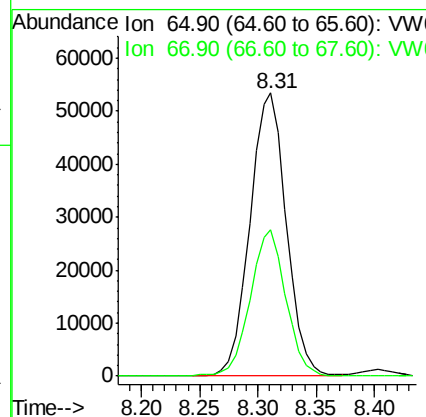
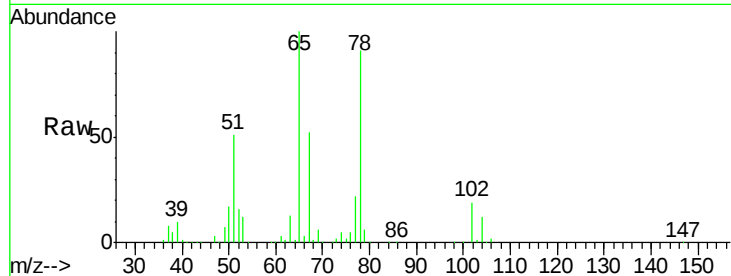
#33
 1,2-Dichloroethane-d4
 Concen: 49.385 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6	0.0	100.8	

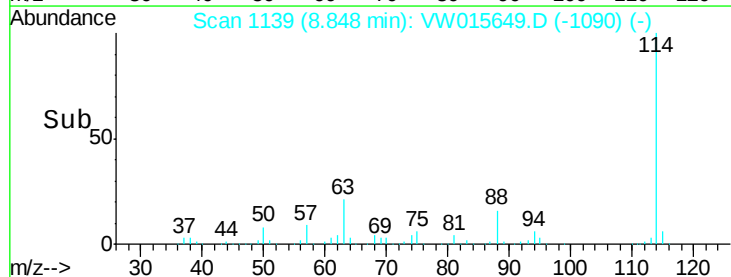
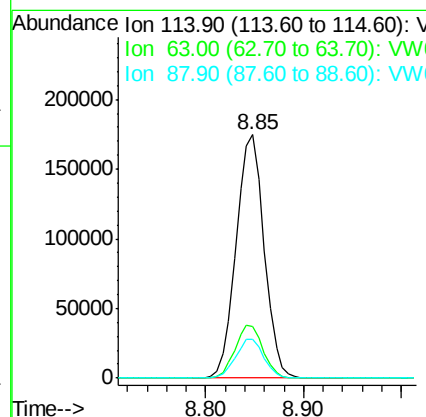
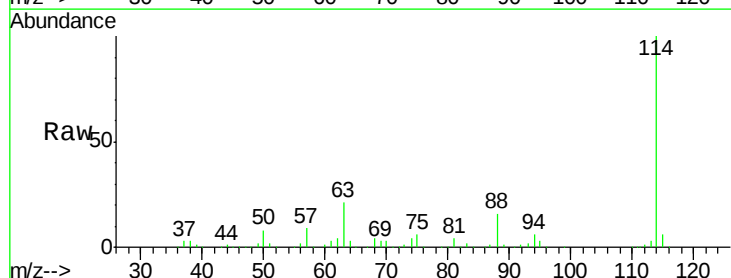
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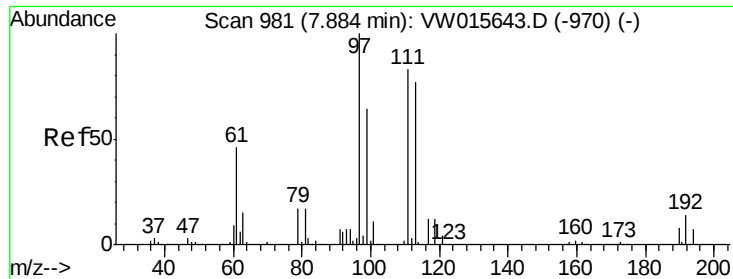
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 6/23/2020 11:00:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	42.0	
88	16.0	0.0	31.8	





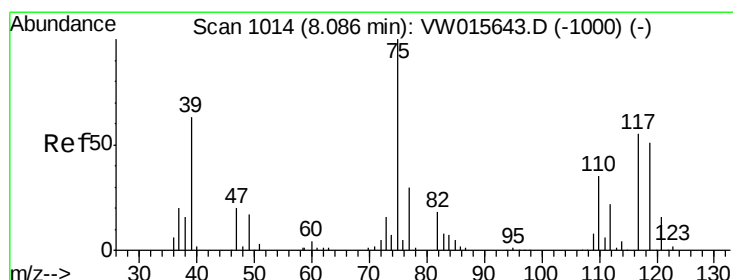
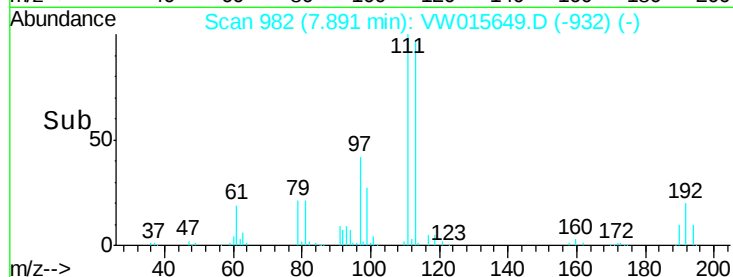
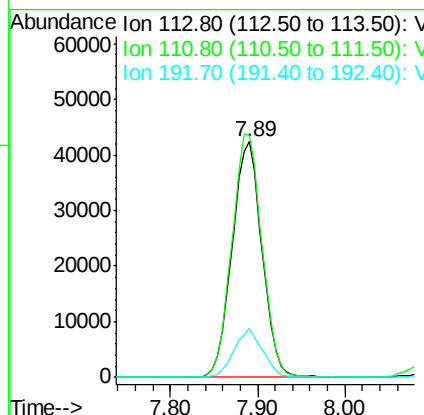
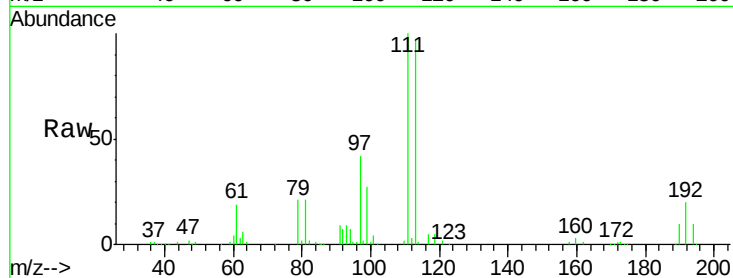
#35
 Dibromofluoromethane
 Concen: 49.322 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100604		
111	104.6	83.3	124.9	
192	19.8	15.8	23.6	

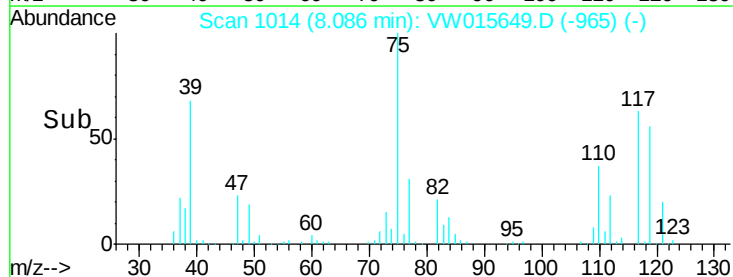
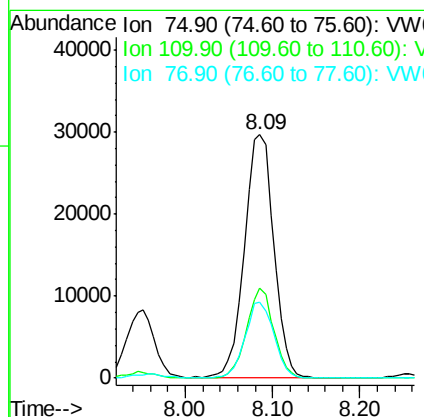
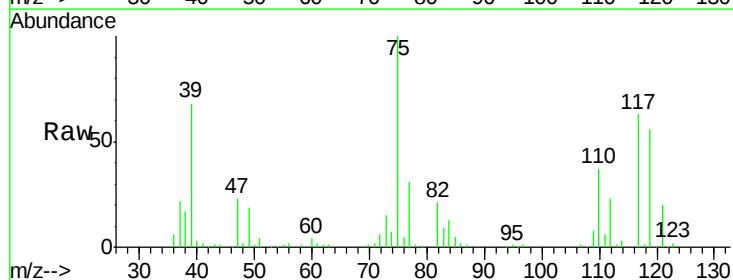
Manual Integrations
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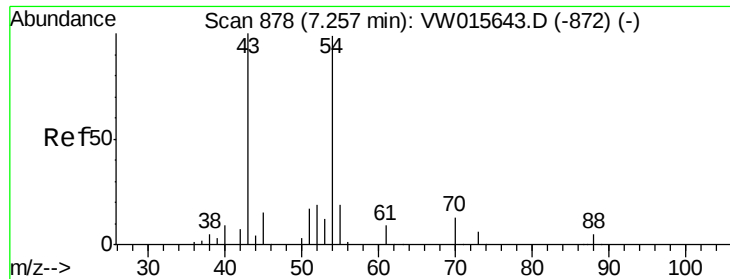
MMDadoda
 6/23/2020 11:00:52 AM



#36
 1,1-Dichloropropene
 Concen: 19.850 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69502		
110	33.9	17.2	51.6	
77	30.8	25.0	37.4	





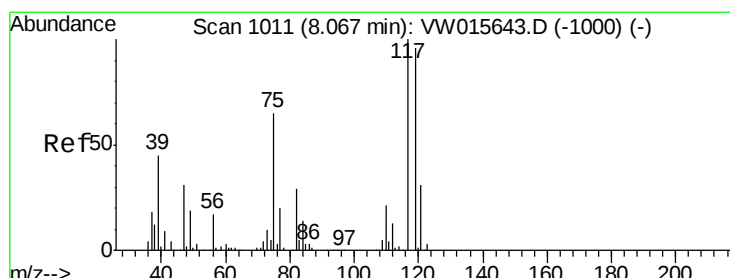
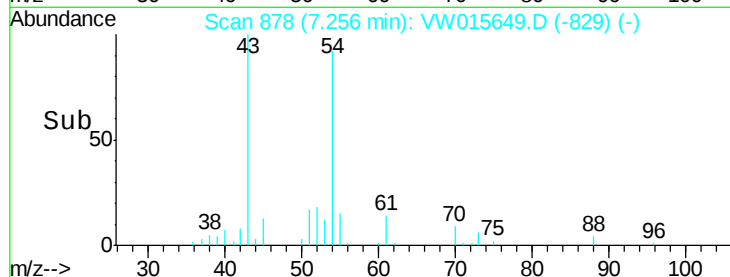
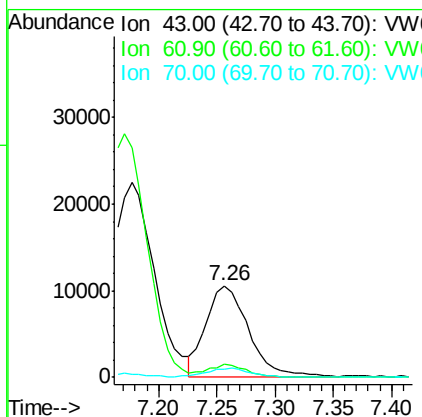
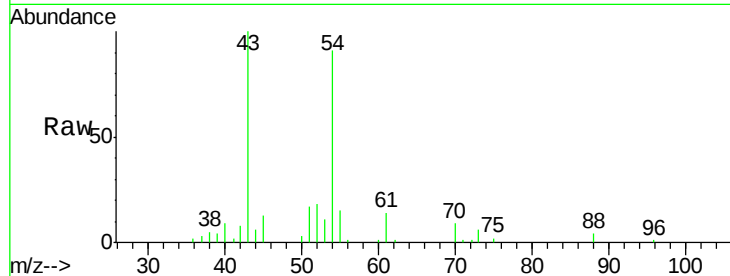
#37
Ethyl Acetate
Concen: 19.520 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	10.0	8.4	12.6

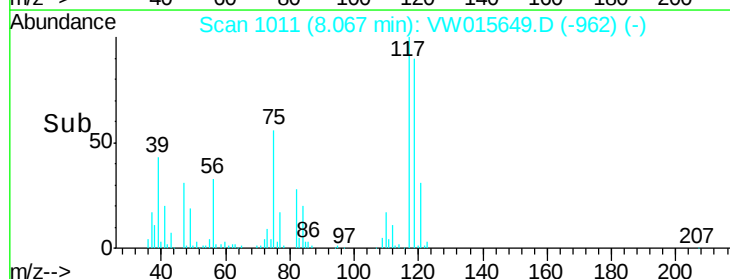
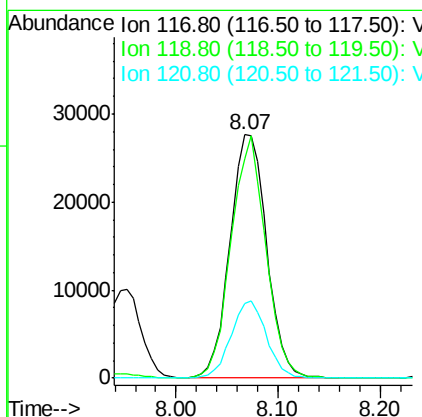
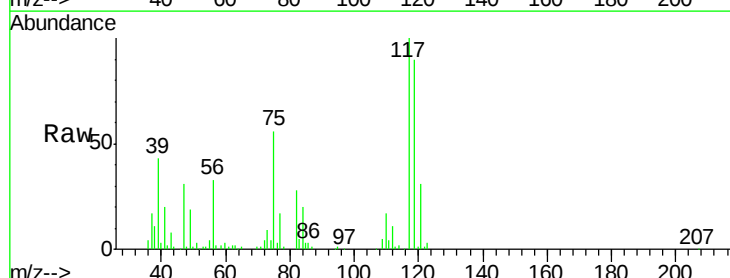
Manual Integrations
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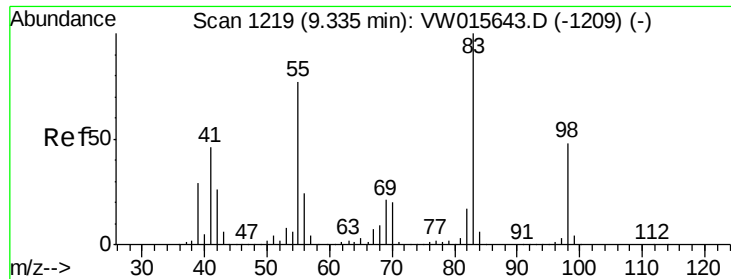
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.102 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	75.9	113.9
121	30.5	23.5	35.3





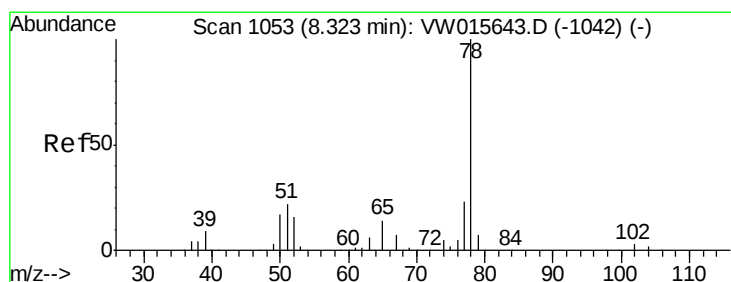
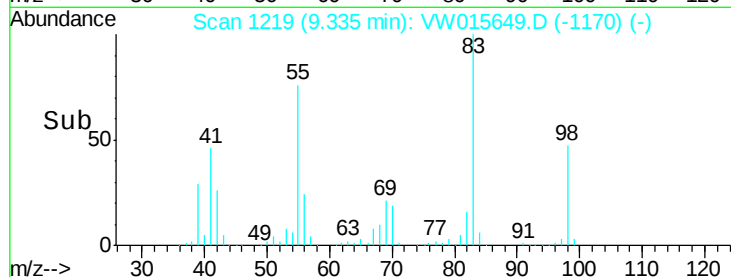
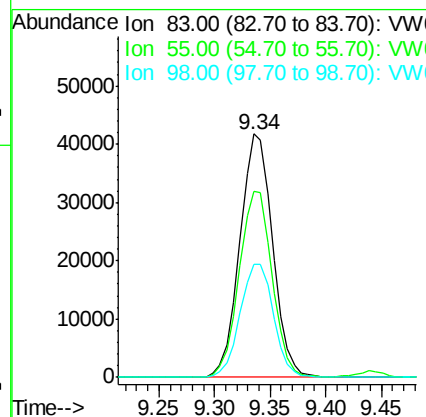
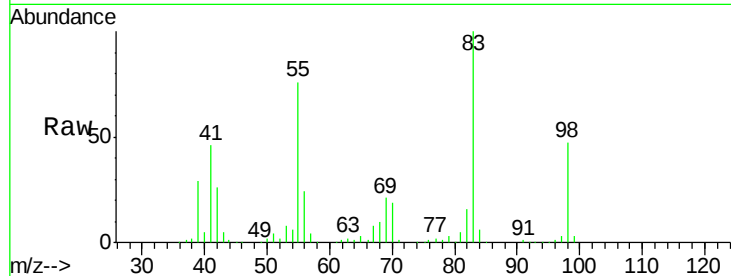
#39
Methvlcvclohexane
Concen: 19.718 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.7	92.5
98	46.6	37.7	56.5

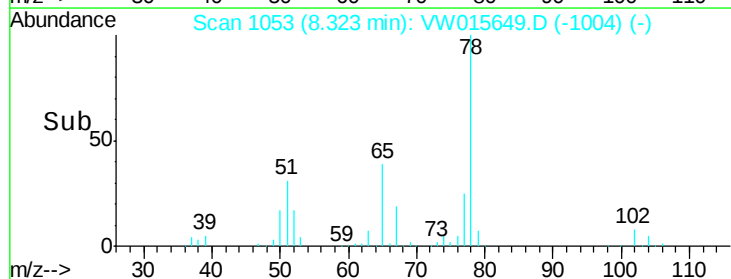
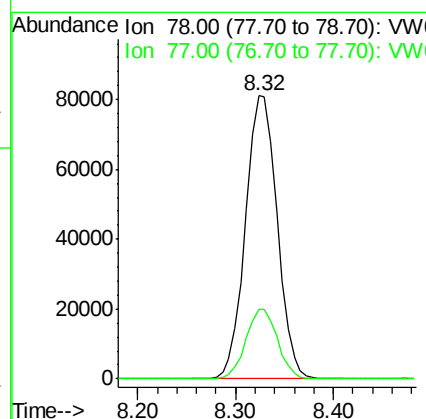
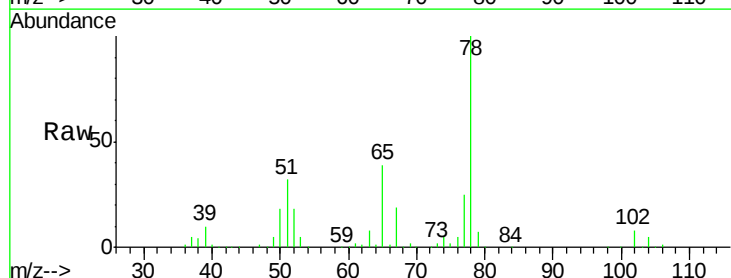
Manual Integrations
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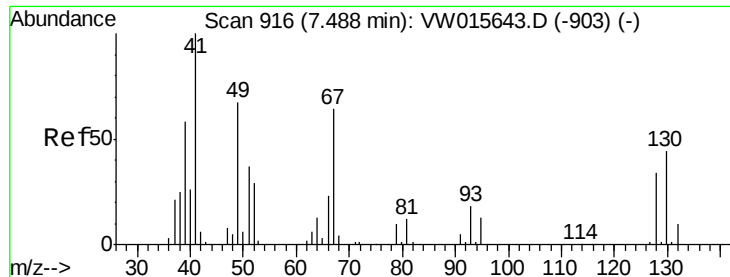
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6/23/2020 11:00:52 AM



#40
Benzene
Concen: 19.358 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8





#41

Methacrylonitrile

Concen: 19.181 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

Tot Ion: 41 Resp: 14972

Ion Ratio Lower Upper

41 100

39 58.6 44.5 66.7

67 71.8 53.1 79.7

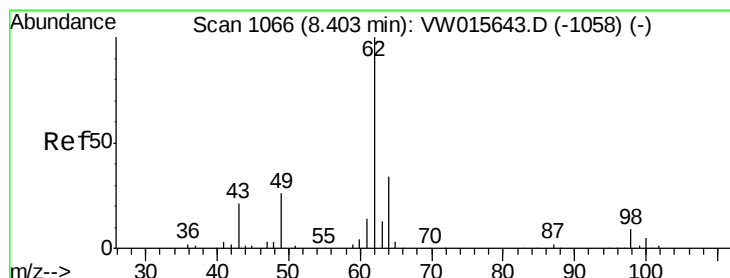
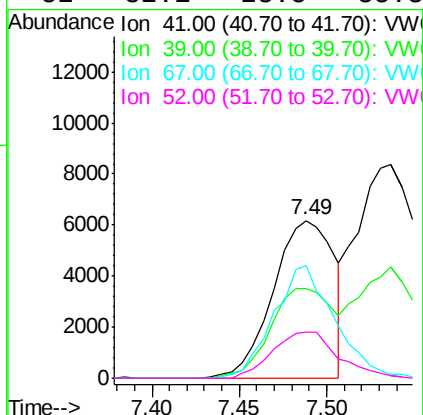
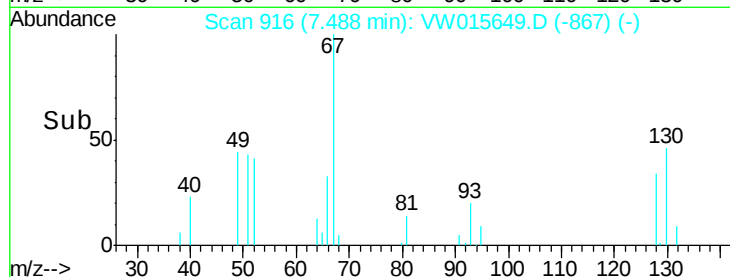
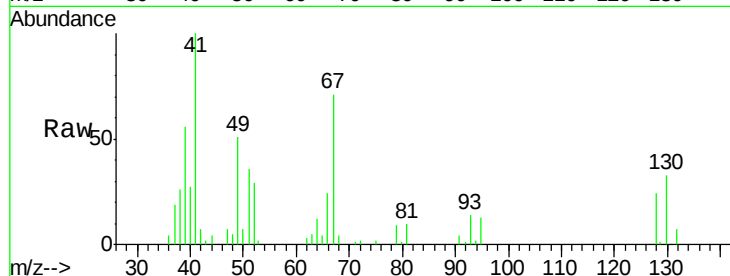
52 32.1 23.5 35.3

Manual Integrations

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6/23/2020 11:00:52 AM



#42

1,2-Dichloroethane

Concen: 20.442 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015649.D

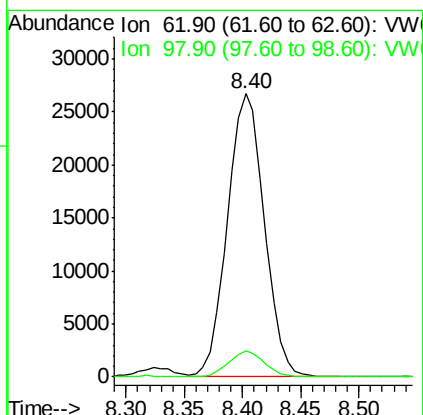
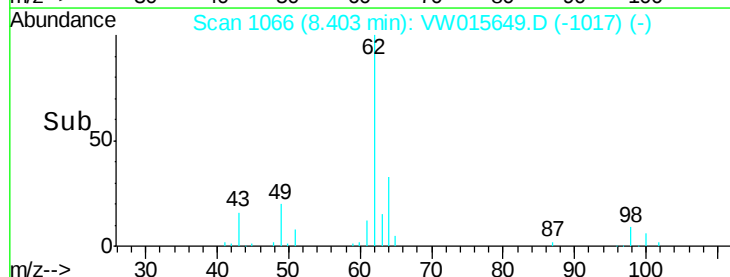
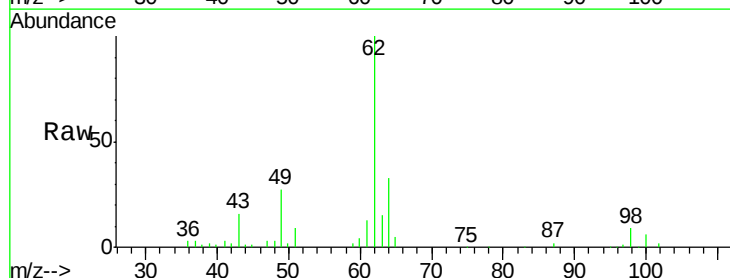
Acq: 22 Jun 2020 15:01

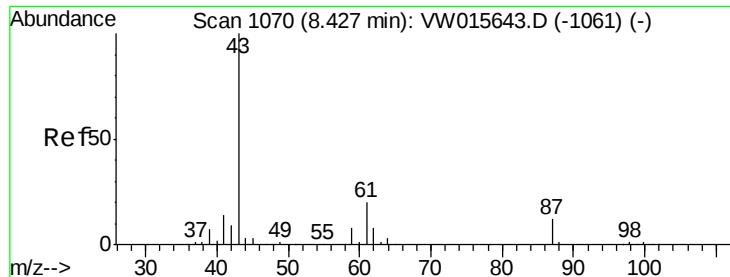
Tgt Ion: 62 Resp: 58953

Ion Ratio Lower Upper

62 100

98 8.7 0.0 17.6





#43

Isopropyl Acetate

Concen: 19.893 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

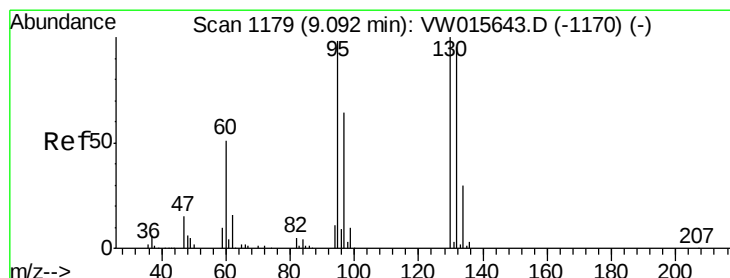
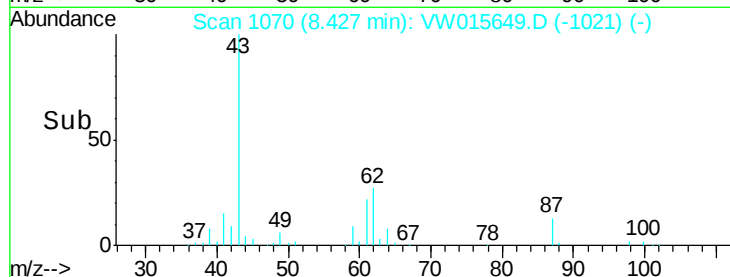
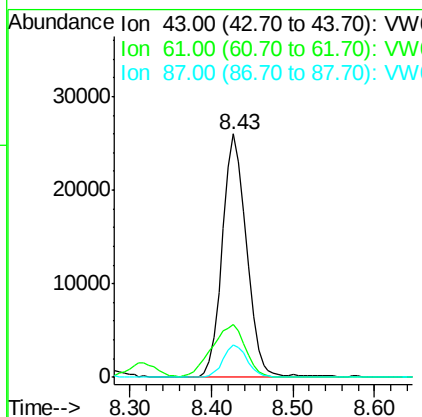
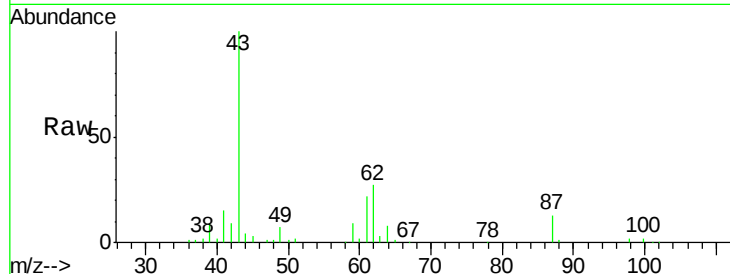
ClientSampleId :

VW0622SBS01

Tot Ion:	43	Resp:	53704
Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.8	35.8
87	13.1	10.1	15.1

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#44

Trichloroethene

Concen: 20.124 ug/l

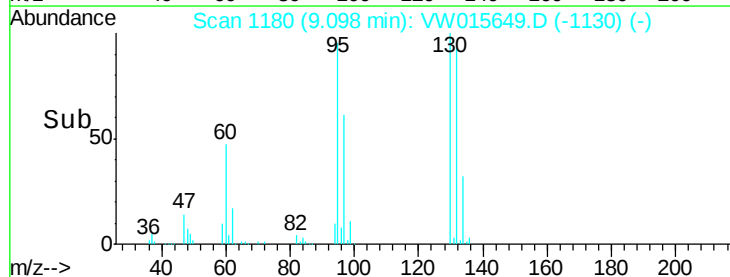
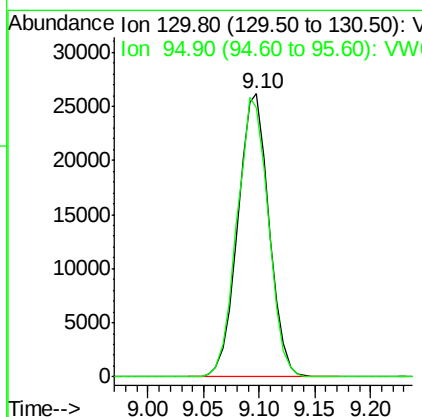
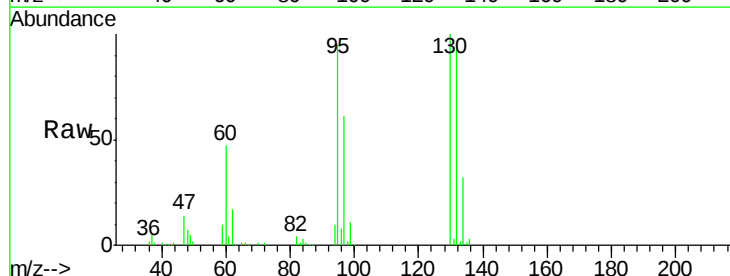
RT: 9.10 min Scan# 1180

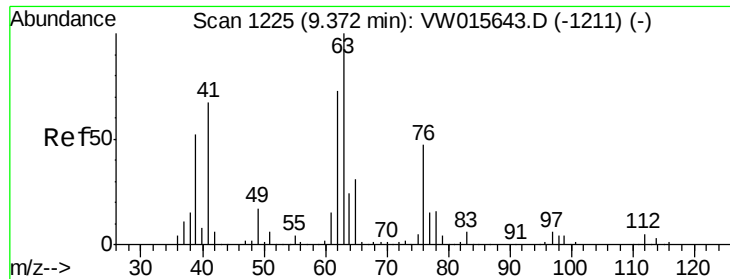
Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion:	130	Resp:	50739
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	204.0





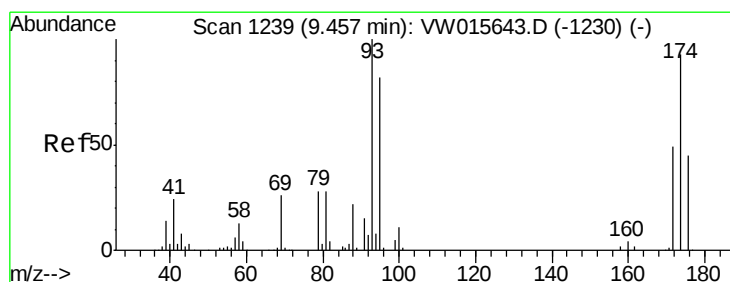
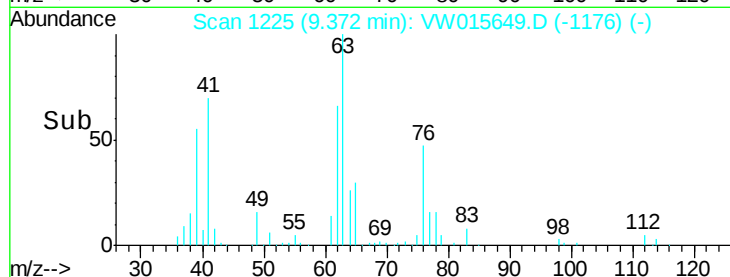
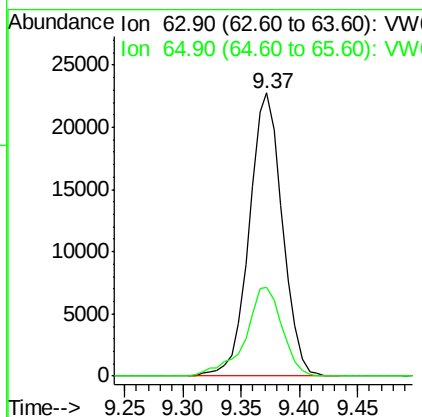
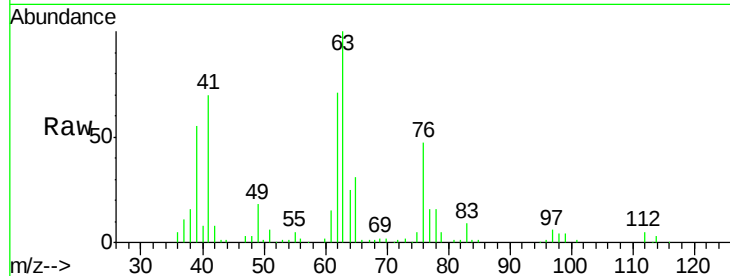
#45
 1,2-Dichloropropane
 Concen: 19.553 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBS01

Tot Ion: 63 Resp: 45067
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.0 36.0

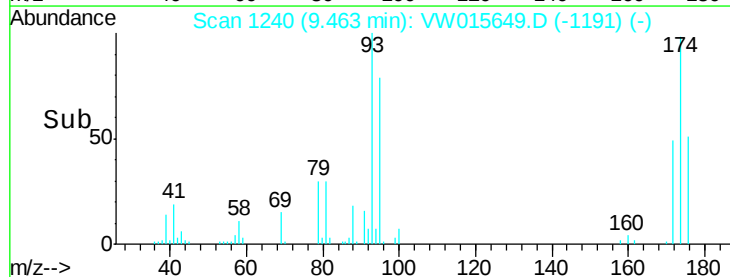
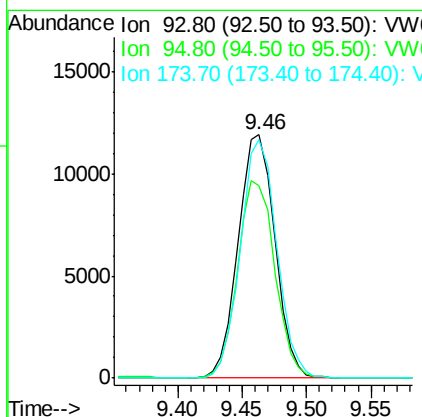
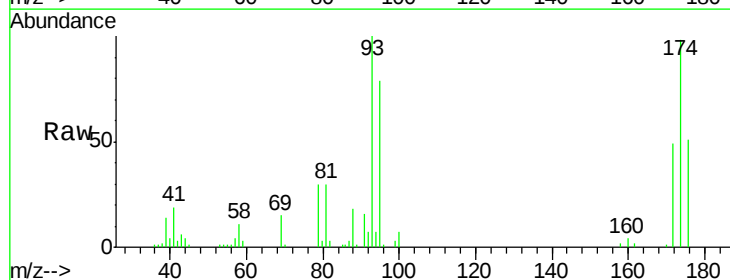
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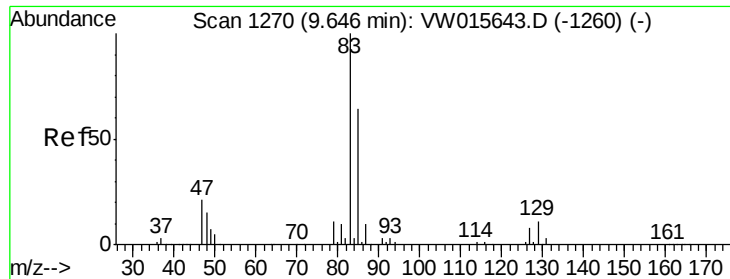
MMDadoda
 6/23/2020 11:00:52 AM



#46
 Dibromomethane
 Concen: 20.074 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion: 93 Resp: 23620
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.1 97.7
 174 96.7 78.6 118.0





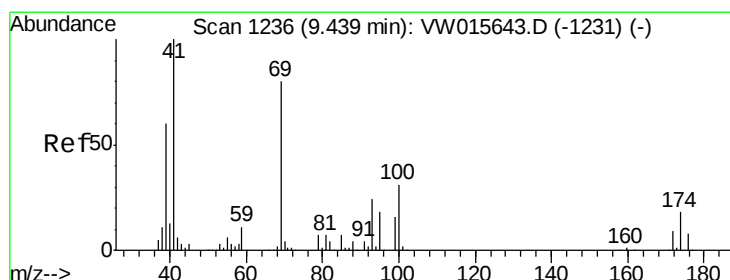
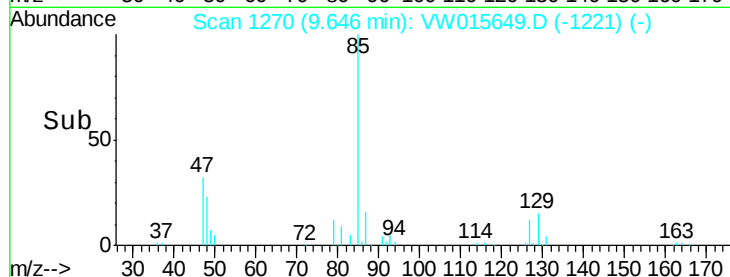
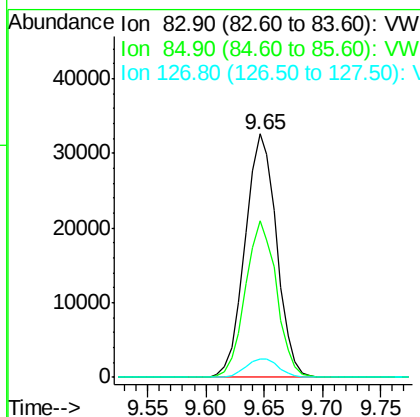
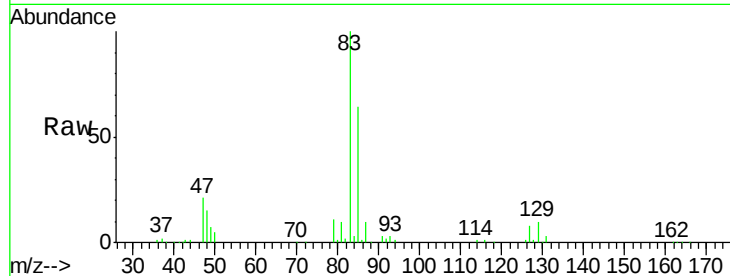
#47
Bromodichloromethane
Concen: 19.366 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion	83	Resp	61663
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	7.7	6.4	9.6

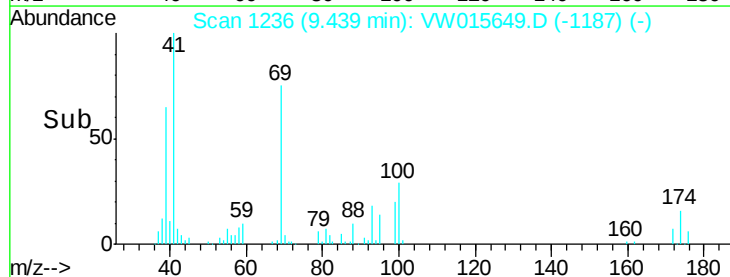
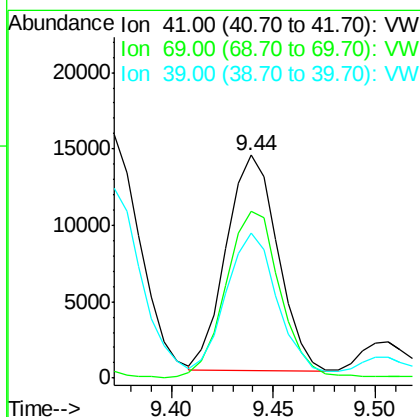
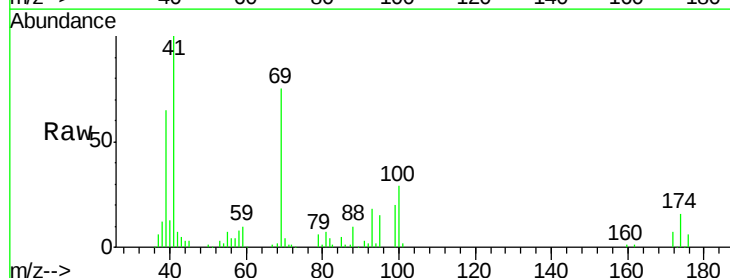
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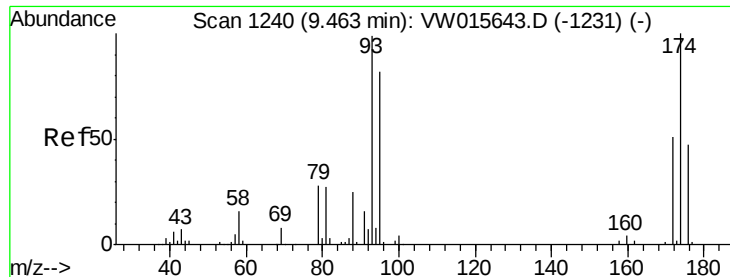
MMDadoda
6/23/2020 11:00:52 AM



#48
Methyl methacrylate
Concen: 19.986 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	41	Resp	24663
Ion Ratio	100	Lower	Upper
41	100		
69	82.8	67.8	101.8
39	63.3	50.2	75.2





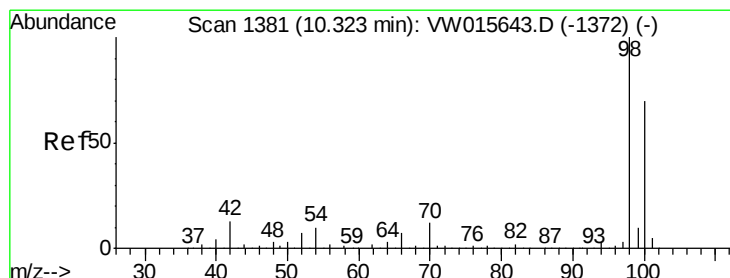
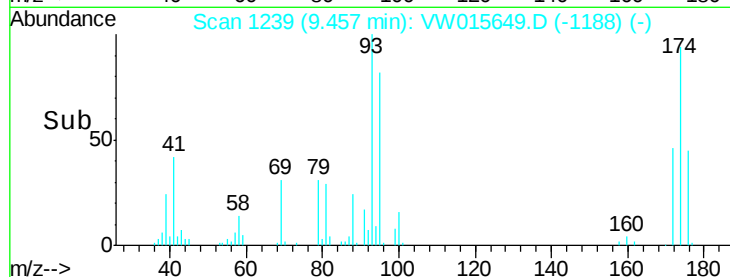
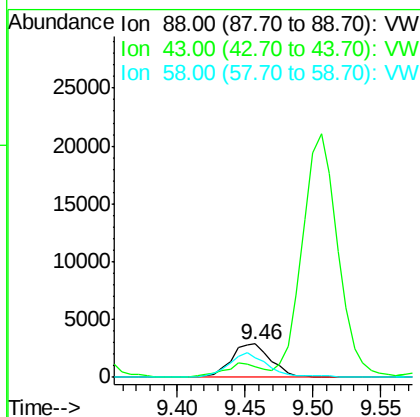
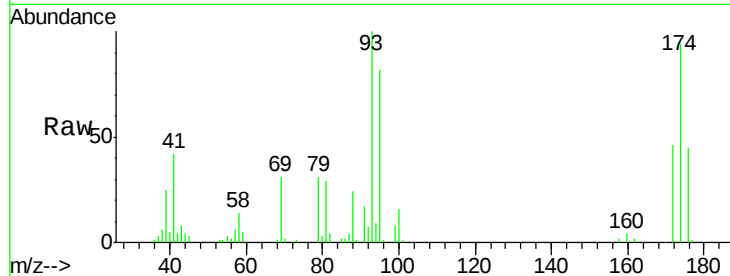
#49
1,4-Dioxane
Concen: 336.884 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.3	27.9	41.9
58	69.3	58.8	88.2

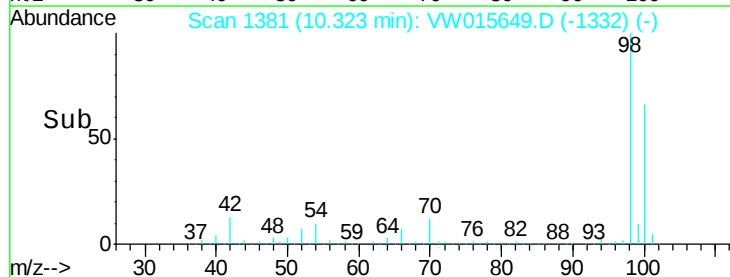
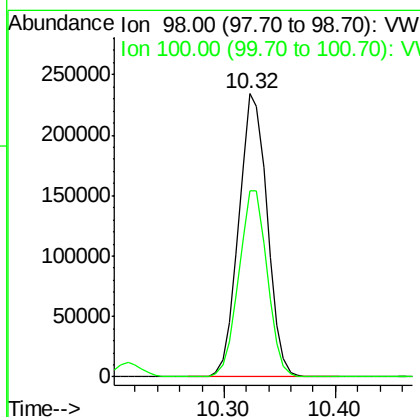
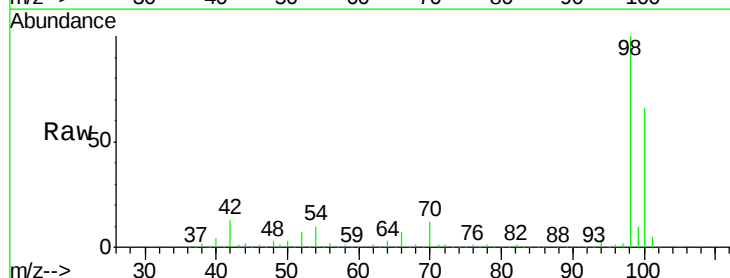
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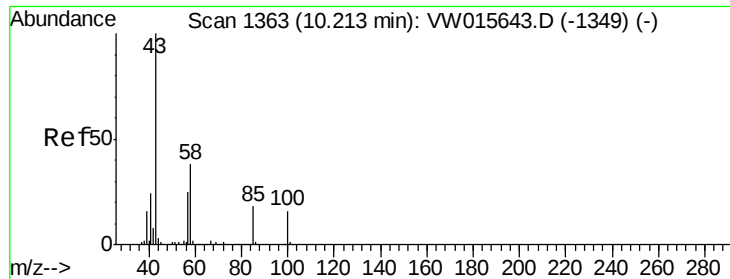
MMDadoda
6/23/2020 11:00:52 AM



#50
Toluene-d8
Concen: 50.287 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 101.586 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

Tot Ion: 43 Resp: 130297

Ion Ratio Lower Upper

43 100

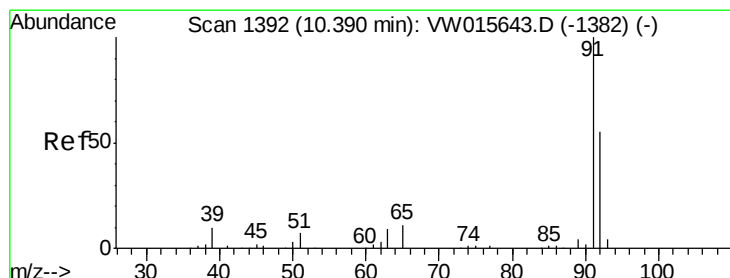
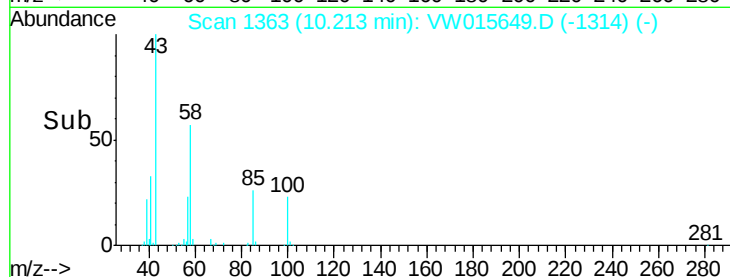
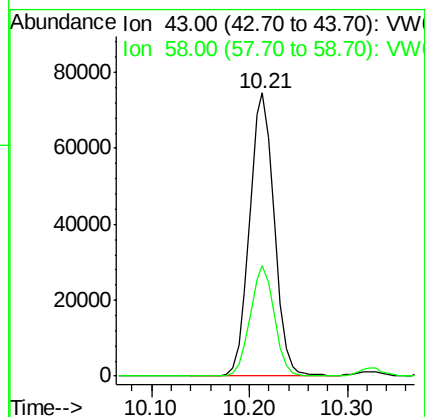
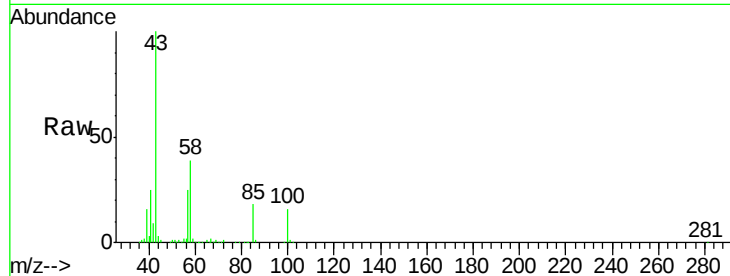
58 38.2 31.4 47.0

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#52

Toluene

Concen: 20.319 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015649.D

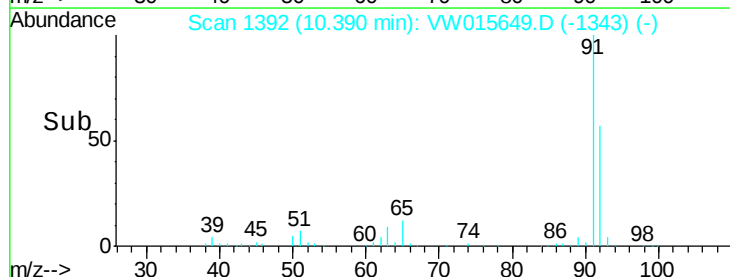
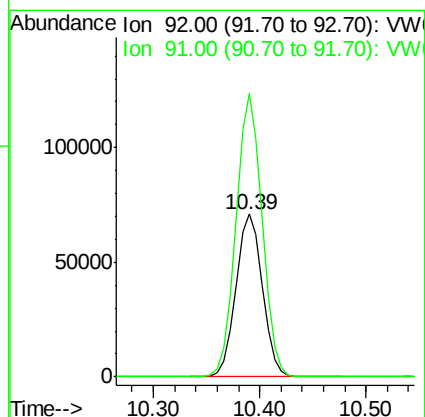
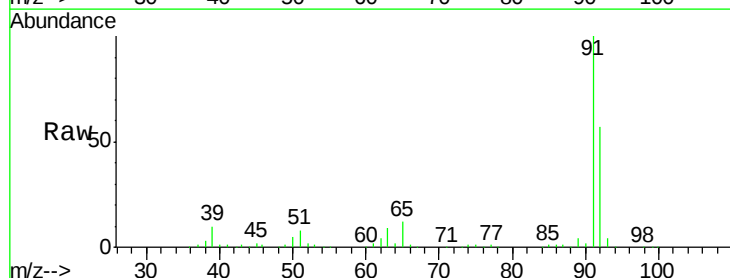
Acq: 22 Jun 2020 15:01

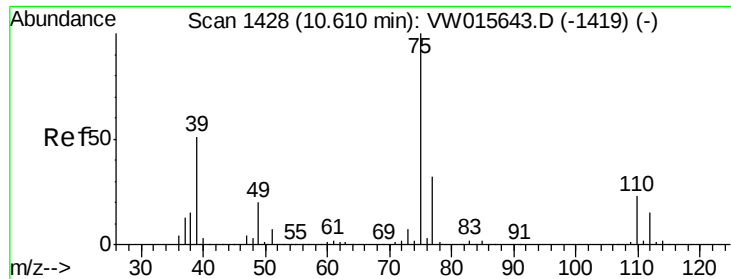
Tgt Ion: 92 Resp: 123842

Ion Ratio Lower Upper

92 100

91 171.9 136.5 204.7





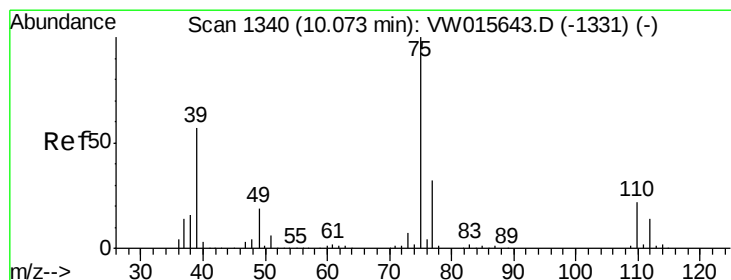
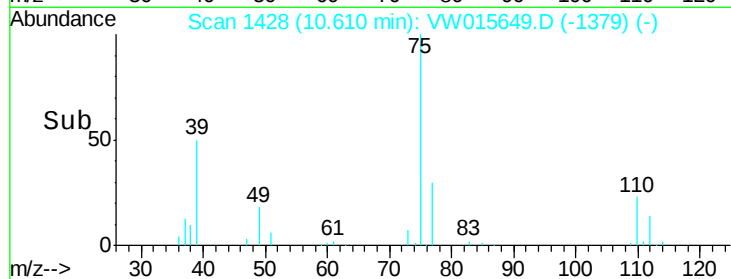
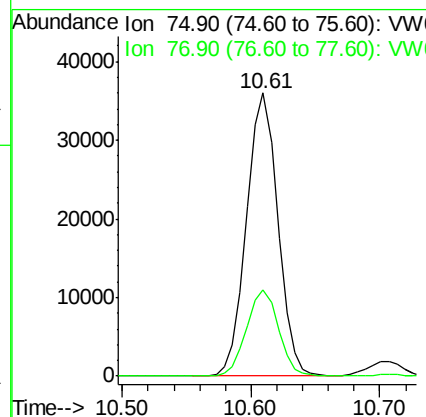
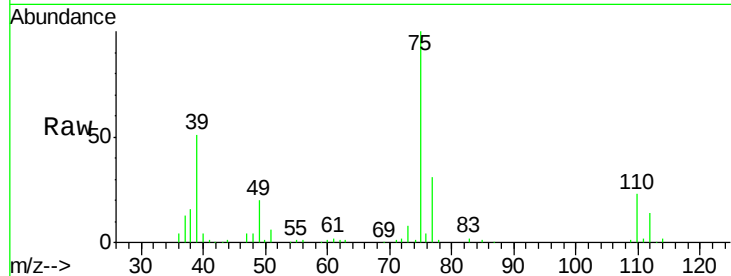
#53
t-1,3-Dichloropropene
Concen: 19.307 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion: 75 Resp: 60597
Ion Ratio Lower Upper
75 100
77 30.6 25.0 37.4

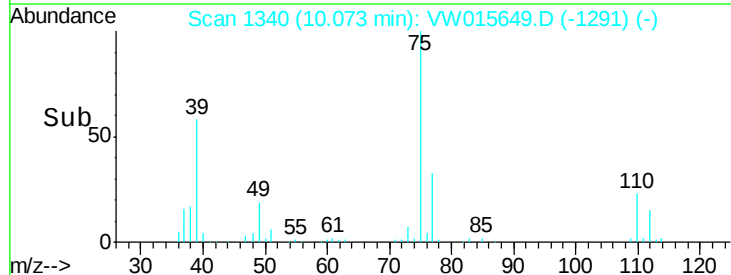
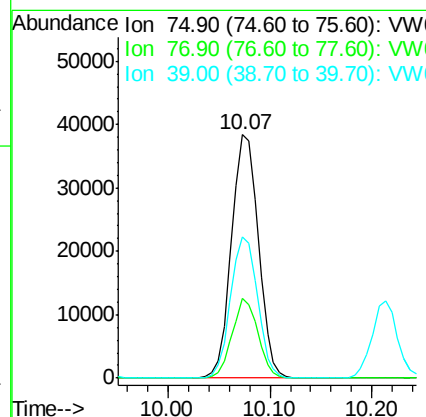
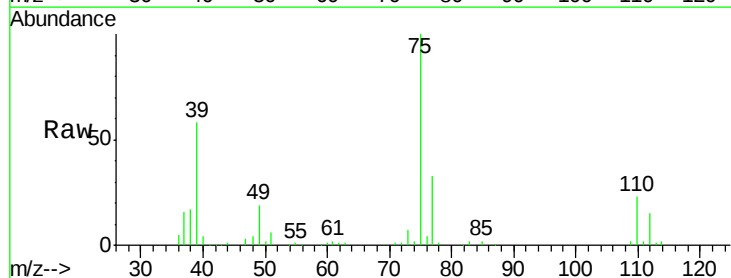
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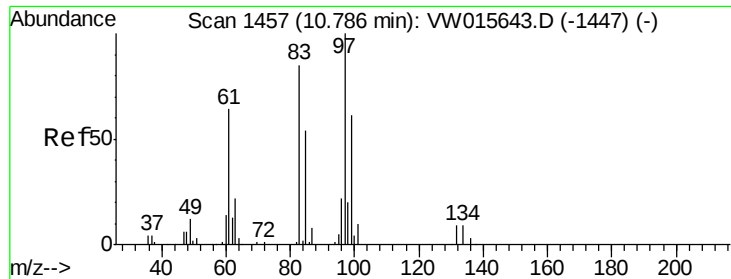
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#54
cis-1,3-Dichloropropene
Concen: 18.982 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 75 Resp: 70201
Ion Ratio Lower Upper
75 100
77 32.8 24.9 37.3
39 57.9 45.4 68.2





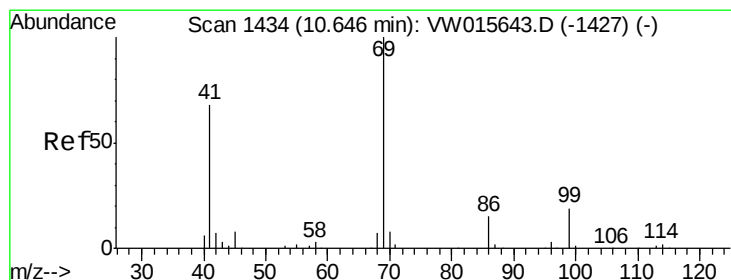
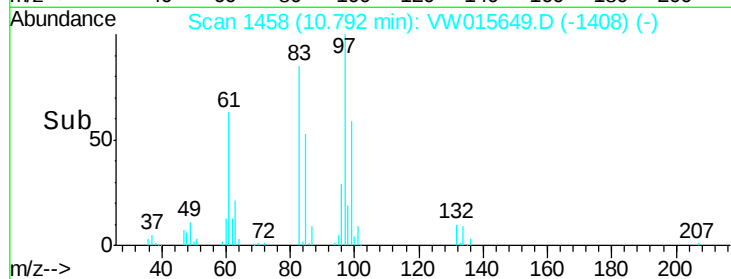
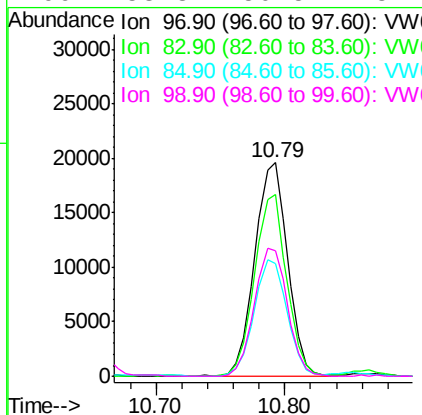
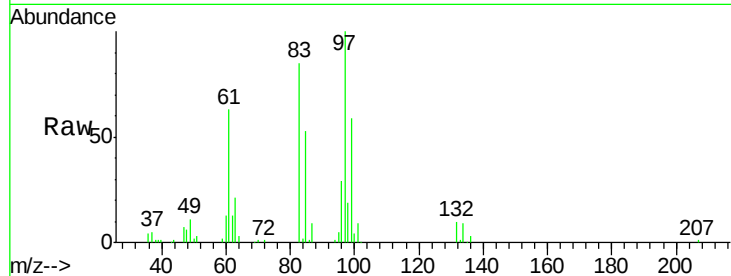
#55
 1,1,2-Trichloroethane
 Concen: 20.962 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBS01

Tot Ion:	97	Resp:	34429
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.6	102.8
85	52.6	43.2	64.8
99	58.8	50.5	75.7

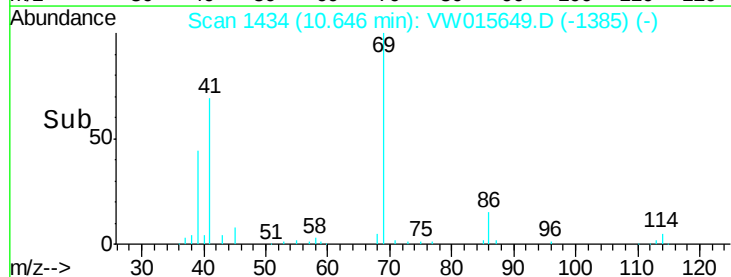
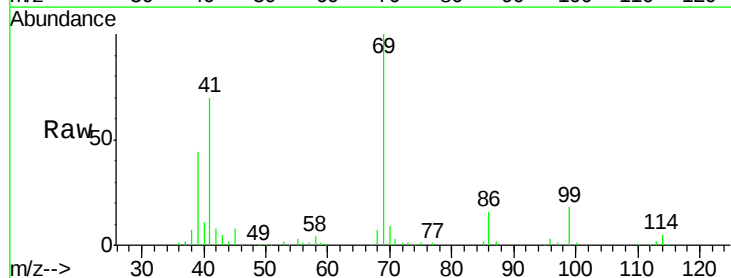
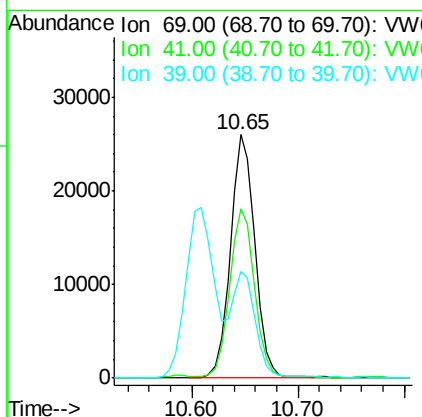
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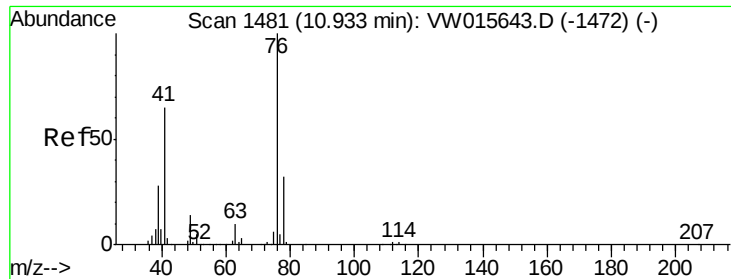
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 6/23/2020 11:00:52 AM



#56
 Ethyl methacrylate
 Concen: 19.678 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion:	69	Resp:	42041
Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	38.1	33.3	49.9





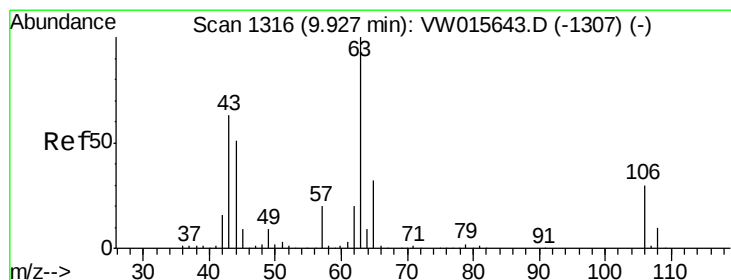
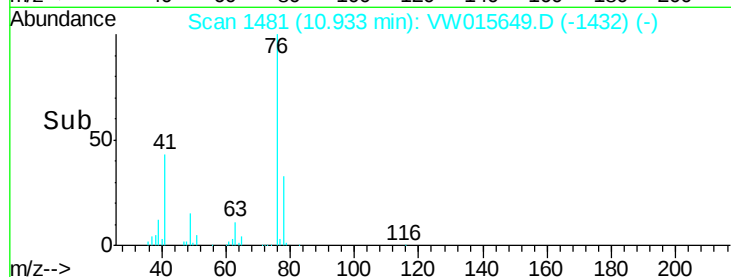
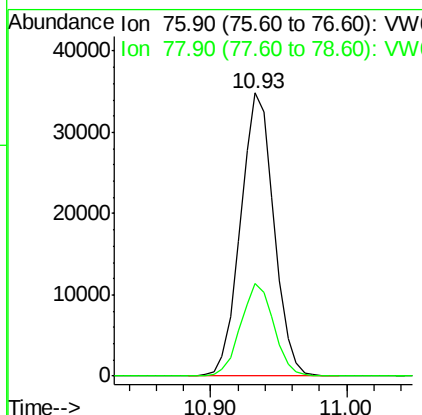
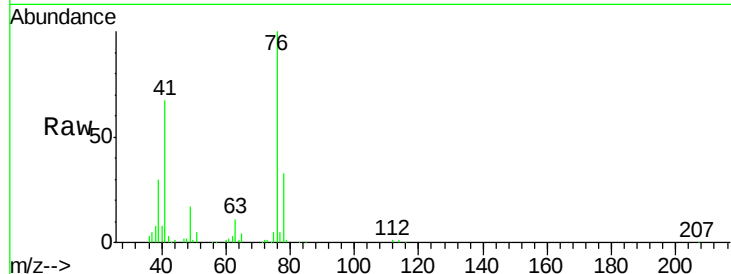
#57
 1,3-Dichloropropane
 Concen: 20.473 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBSD01

Tot Ion: 76 Resp: 59546
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

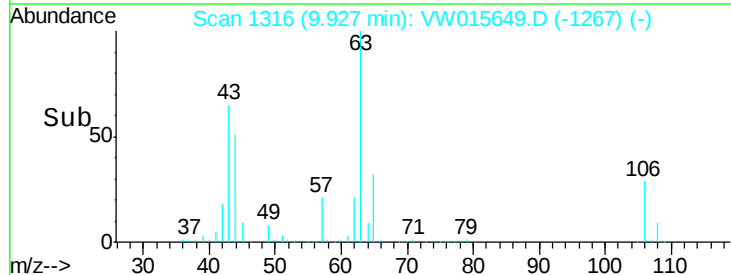
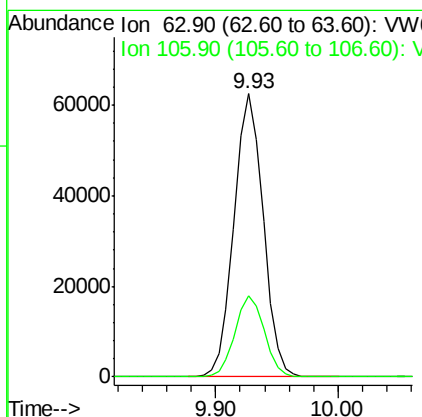
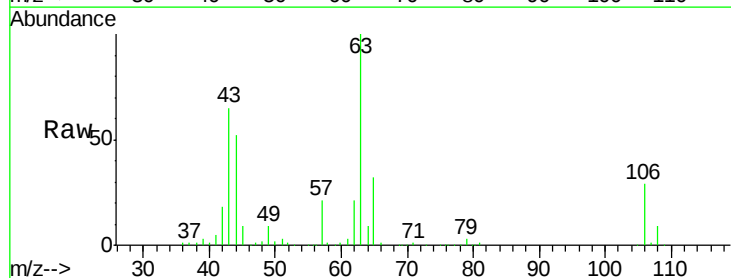
Manual Integrations
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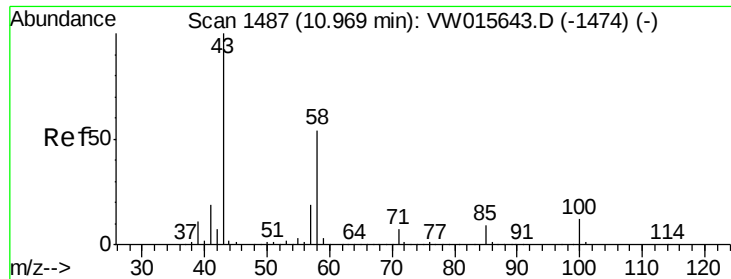
MMDadoda
 6/23/2020 11:00:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.305 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion: 63 Resp: 103484
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.9 34.3





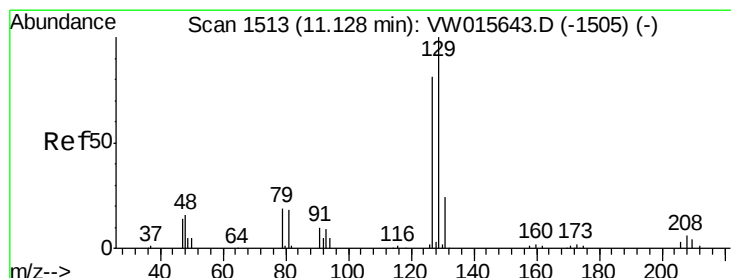
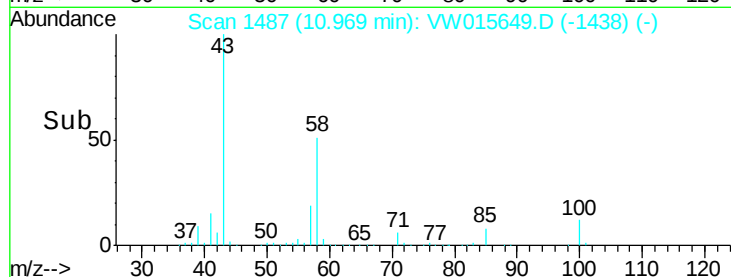
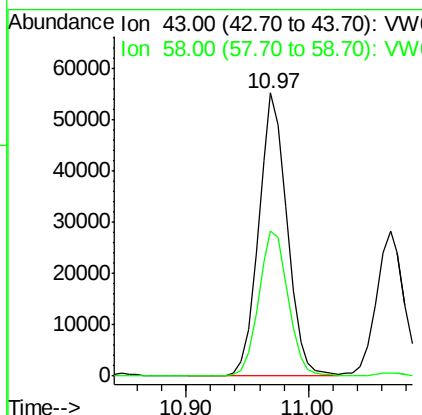
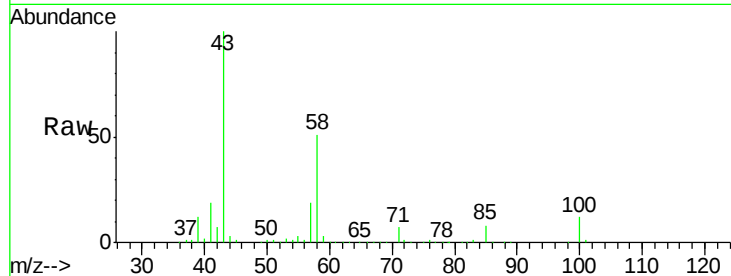
#59
2-Hexanone
Concen: 100.970 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion: 43 Resp: 89579
Ion Ratio Lower Upper
43 100
58 52.9 26.8 80.3

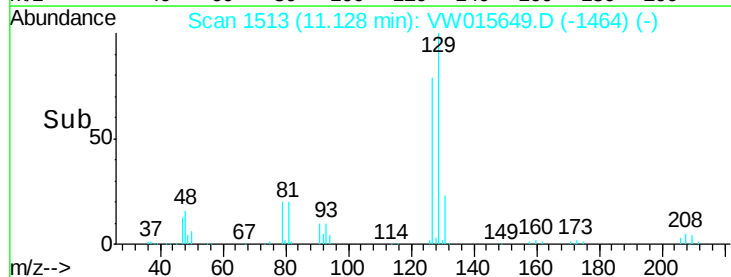
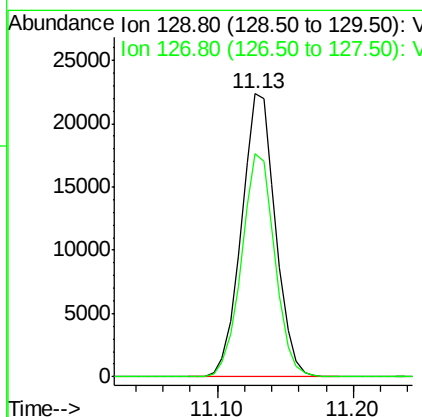
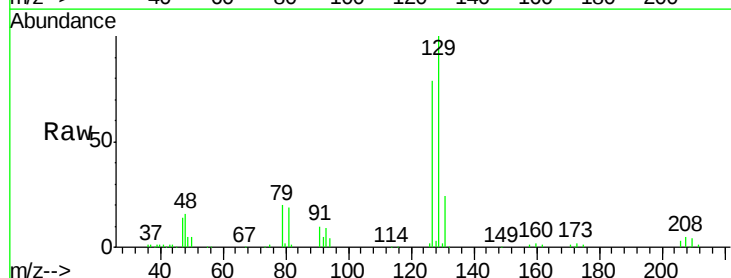
Manual Integrations
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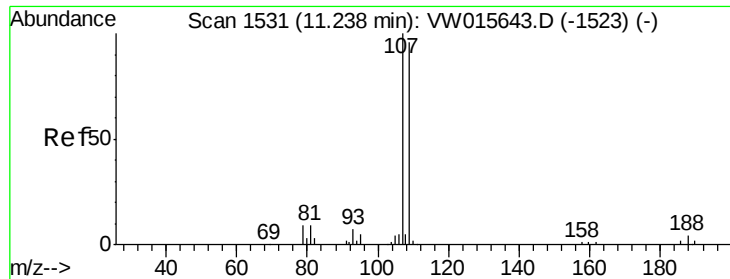
MMDadoda
6/23/2020 11:00:52 AM



#60
Dibromochloromethane
Concen: 19.416 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 129 Resp: 38913
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





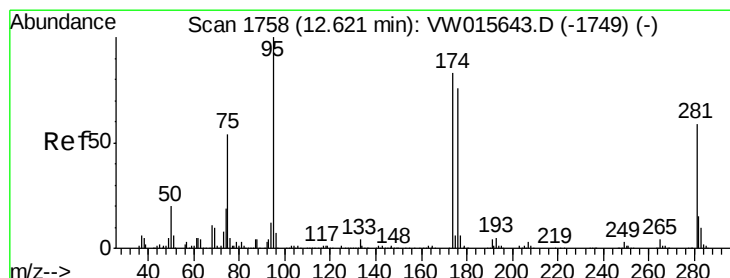
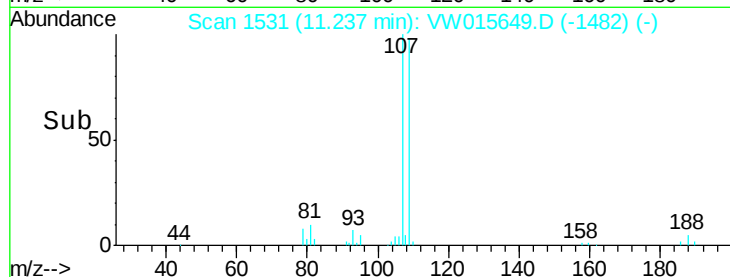
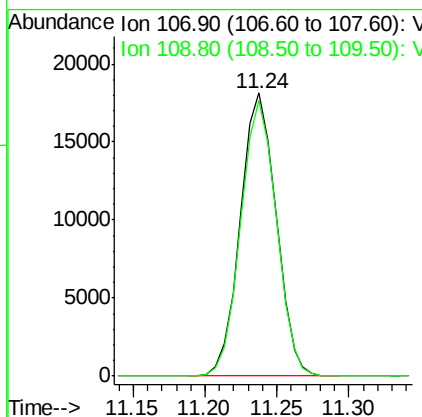
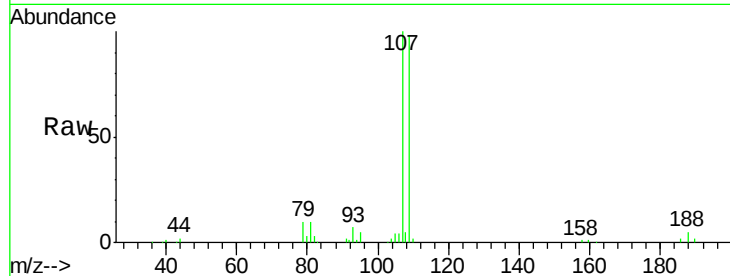
#61
 1,2-Dibromoethane
 Concen: 19.932 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	74.6	111.8

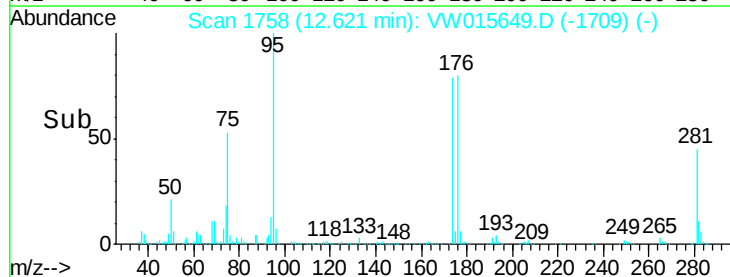
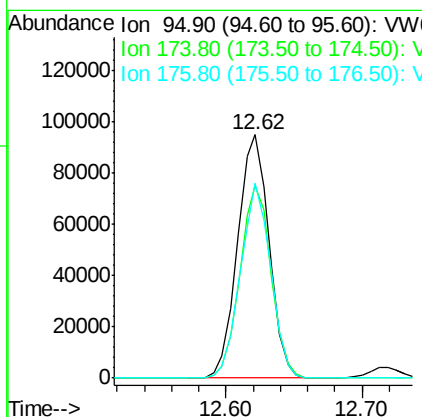
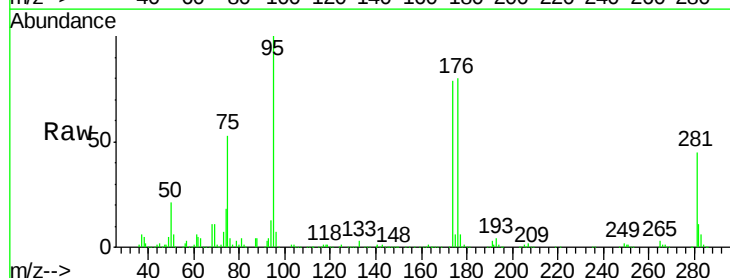
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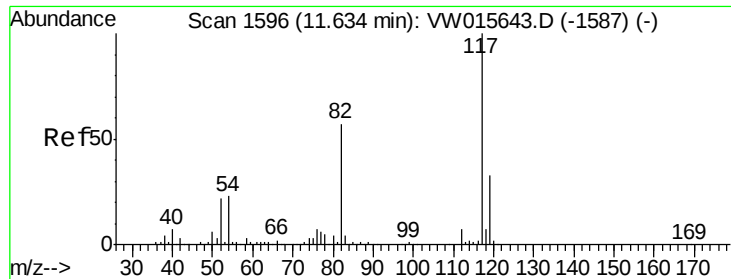
MMDadoda
 6/23/2020 11:00:52 AM



#62
 4-Bromofluorobenzene
 Concen: 51.046 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	153.6
176	77.0	0.0	152.8





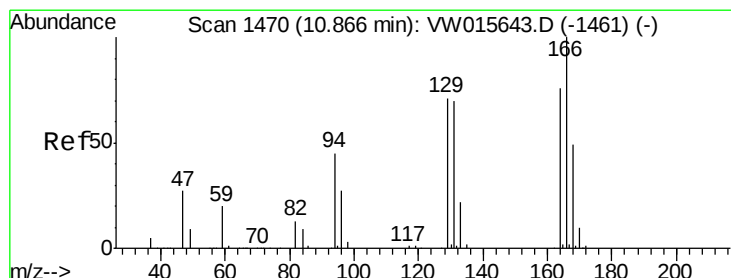
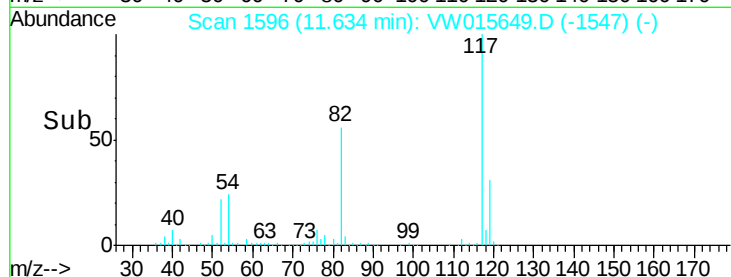
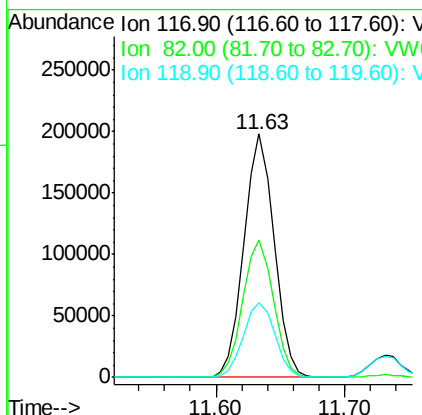
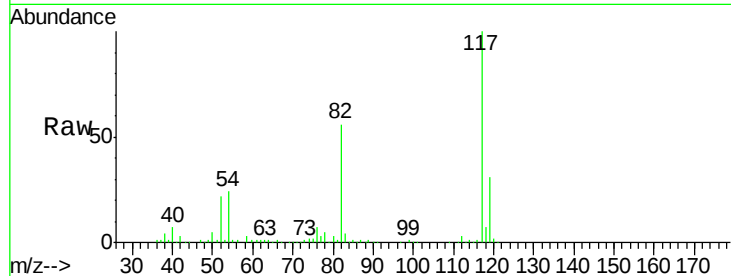
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.8	68.8
119	30.5	24.7	37.1

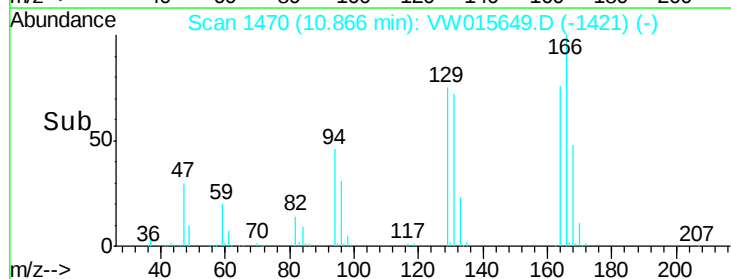
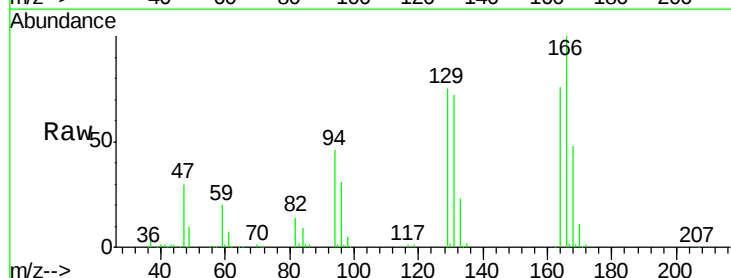
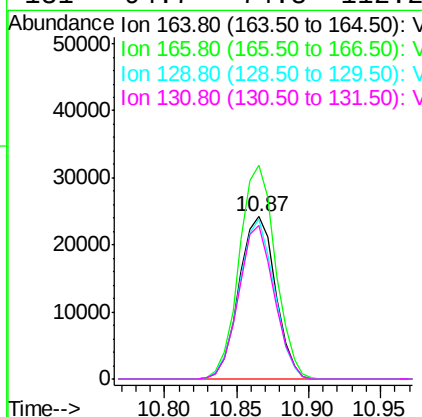
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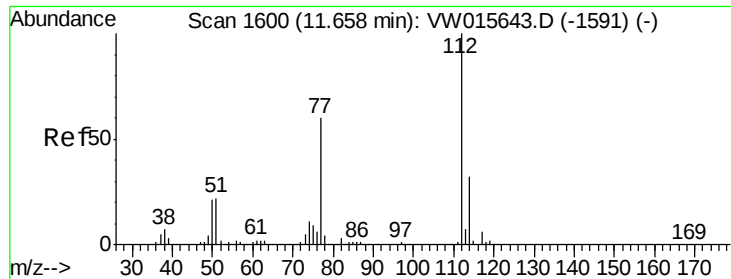
MMDadoda
6/23/2020 11:00:52 AM



#64
Tetrachloroethene
Concen: 19.778 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	109.0	163.6
129	98.8	81.0	121.4
131	94.7	74.8	112.2





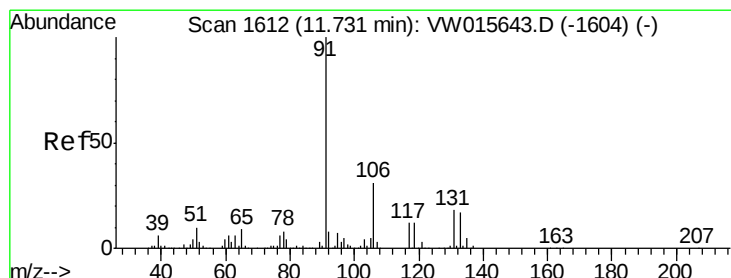
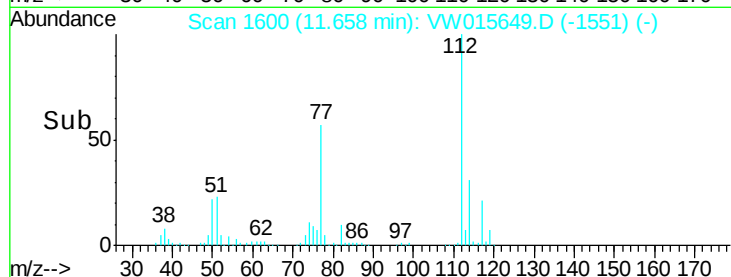
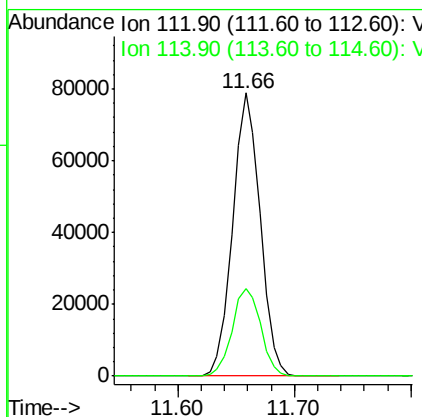
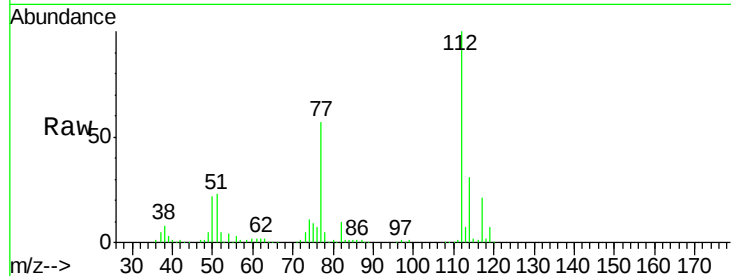
#65
Chlorobenzene
Concen: 19.874 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion:112 Resp: 129682
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

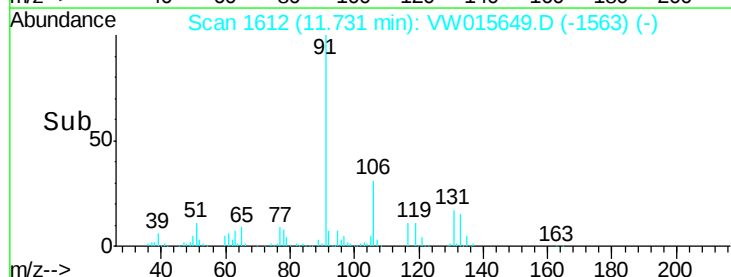
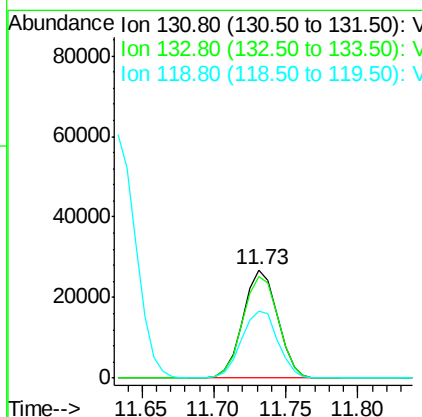
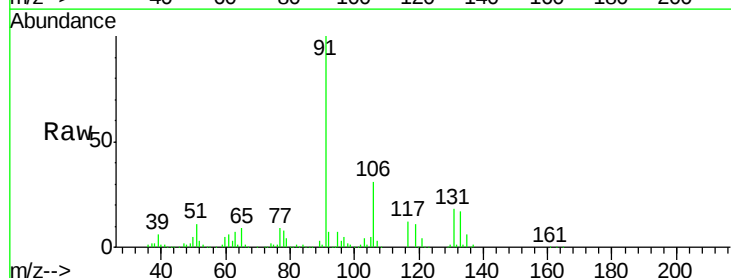
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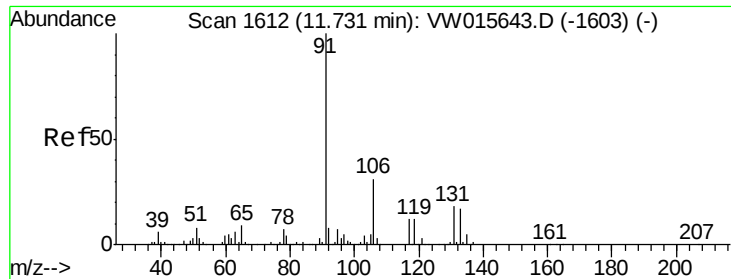
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.178 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion:131 Resp: 44724
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 65.6 32.5 97.5





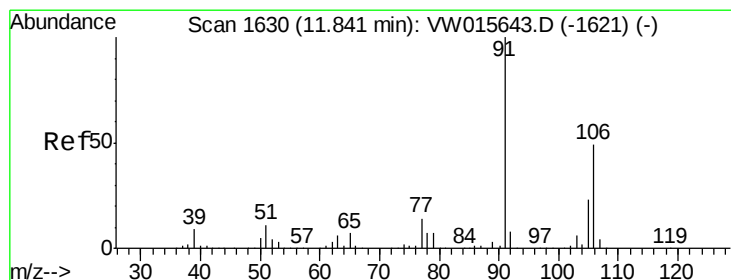
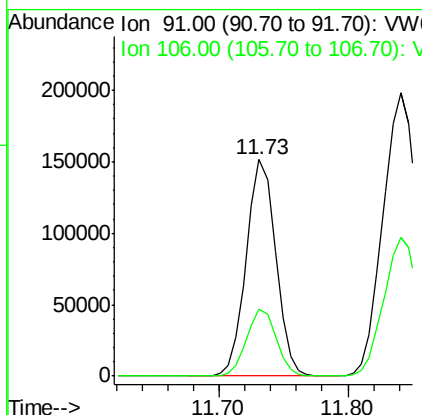
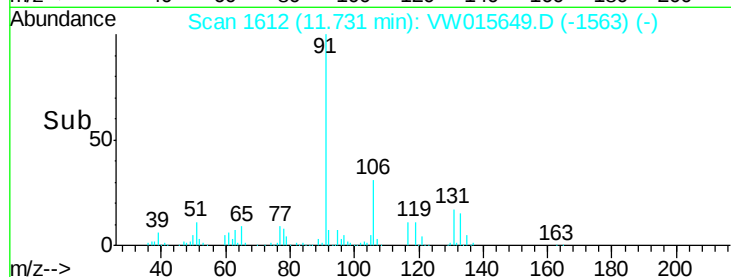
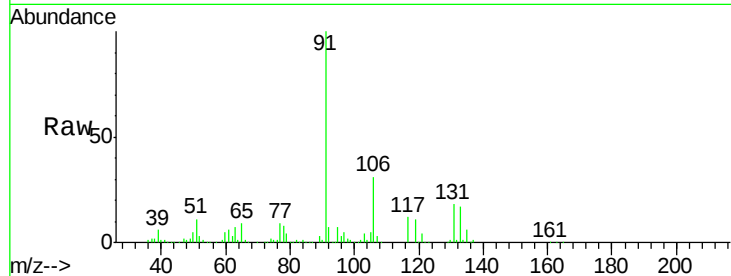
#67
Ethyl Benzene
Concen: 19.529 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion: 91 Resp: 239779
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7

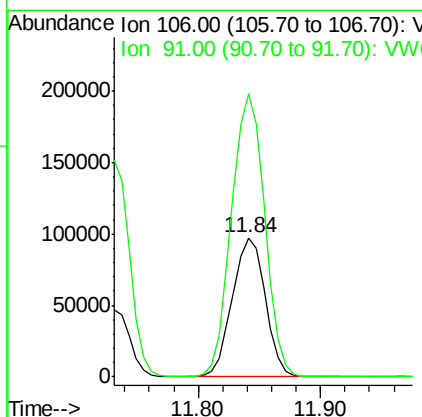
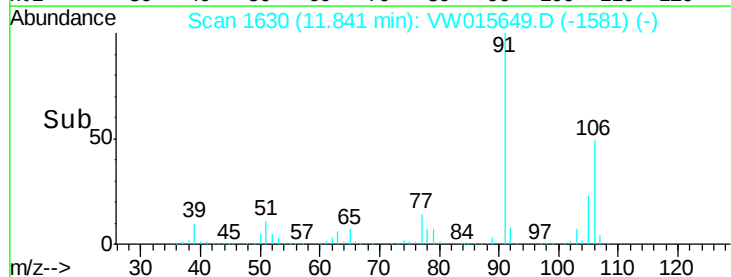
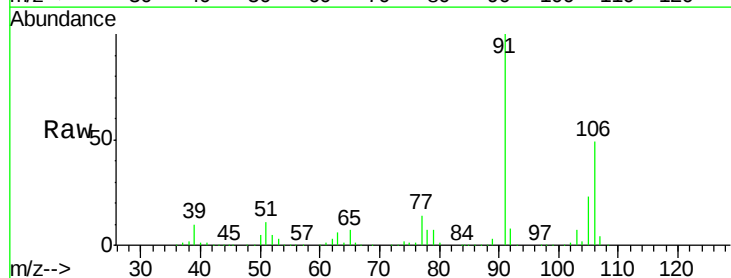
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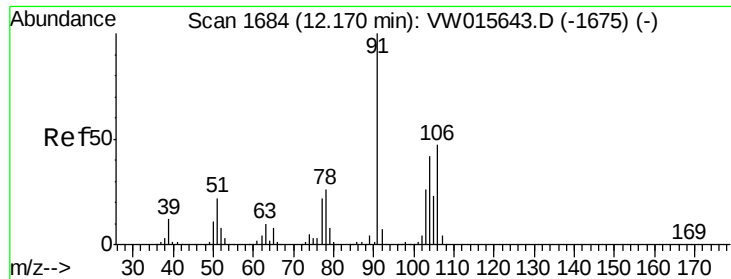
MMDadoda
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#68
m/p-Xylenes
Concen: 39.537 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion: 106 Resp: 181376
Ion Ratio Lower Upper
106 100
91 205.6 163.5 245.3





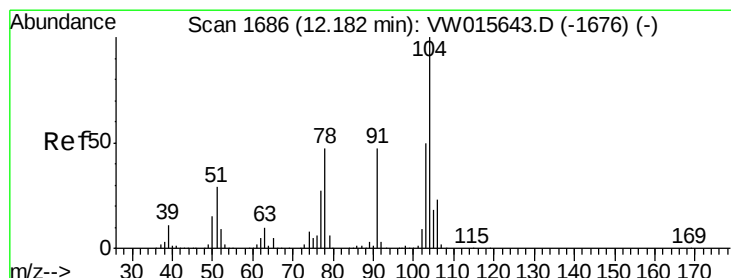
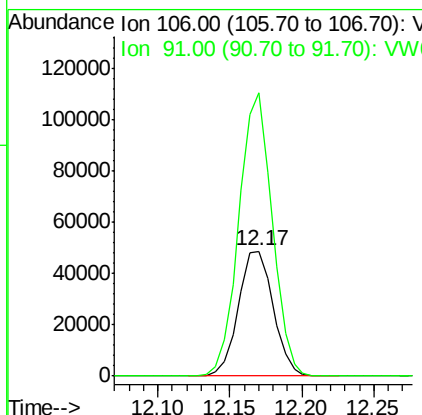
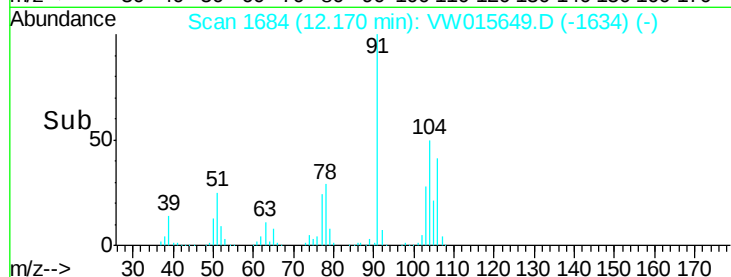
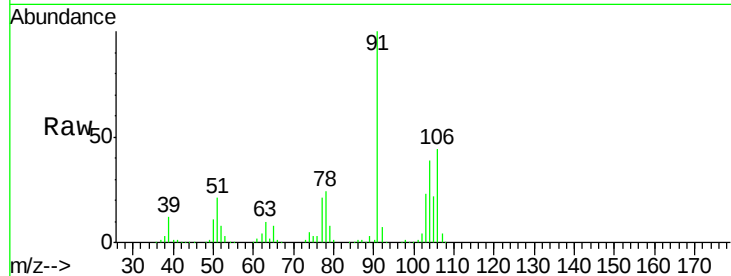
#69
o-Xylene
Concen: 19.173 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion:106 Resp: 81933
Ion Ratio Lower Upper
106 100
91 216.8 107.8 323.4

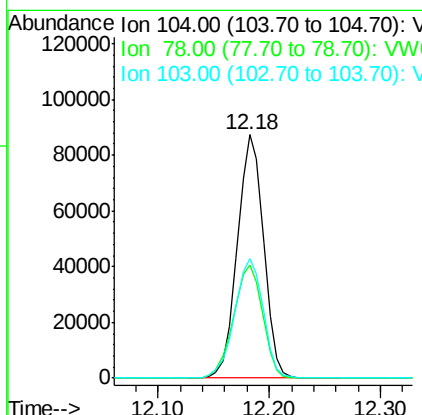
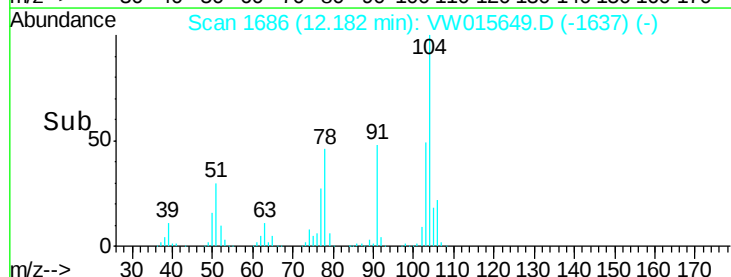
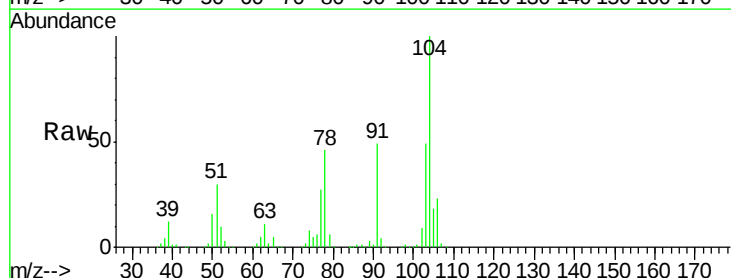
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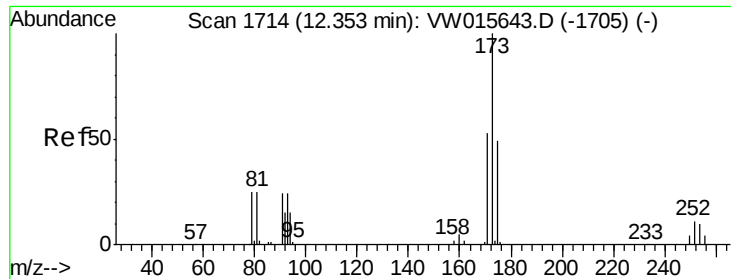
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#70
Styrene
Concen: 19.503 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion:104 Resp: 142351
Ion Ratio Lower Upper
104 100
78 51.6 41.7 62.5
103 53.5 43.8 65.8





#71

Bromoform

Concen: 18.428 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

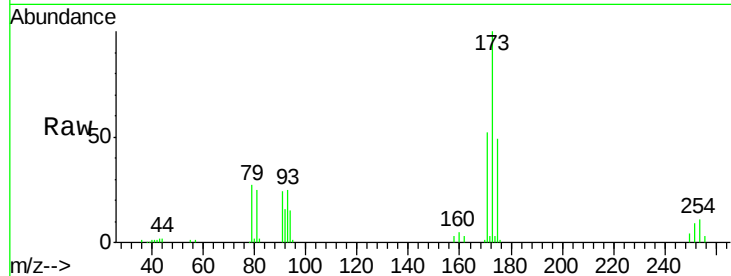
ClientSampleId :

VW0622SBS01

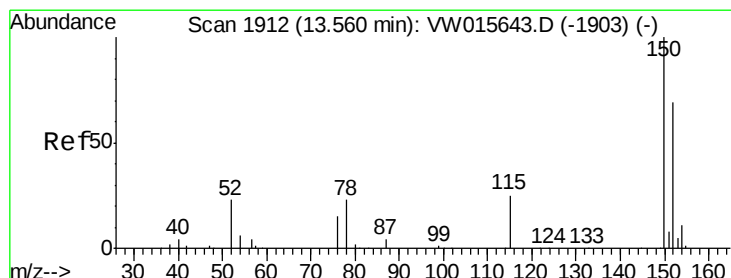
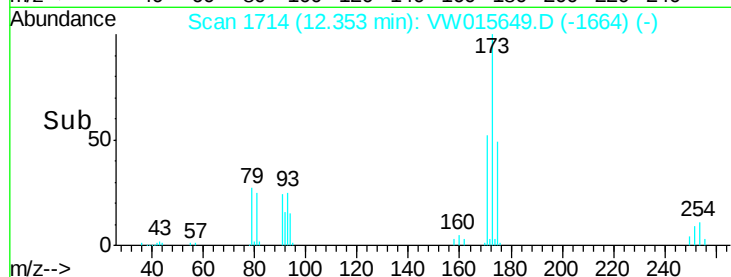
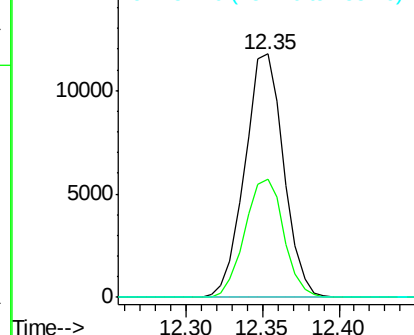
Tot Ion:	173	Resp:	20656
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.8	74.3
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

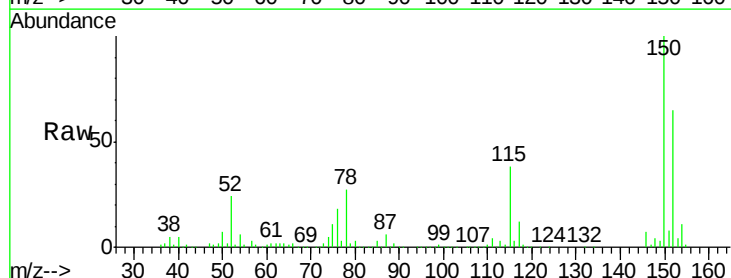
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

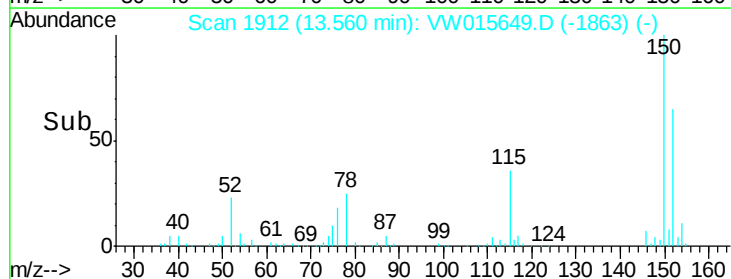
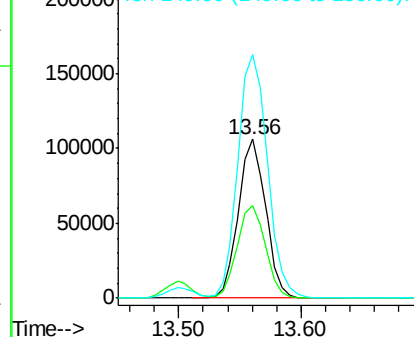
Lab File: VW015649.D

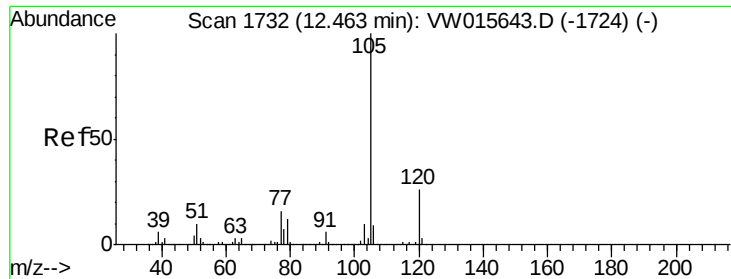
Acq: 22 Jun 2020 15:01

Tgt Ion:	152	Resp:	162992
Ion Ratio	Lower	Upper	
152	100		
115	60.5	30.0	90.0
150	167.0	0.0	351.0



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





#73

Isopropylbenzene

Concen: 18.921 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

Tot Ion: 105 Resp: 235795

Ion Ratio Lower Upper

105 100

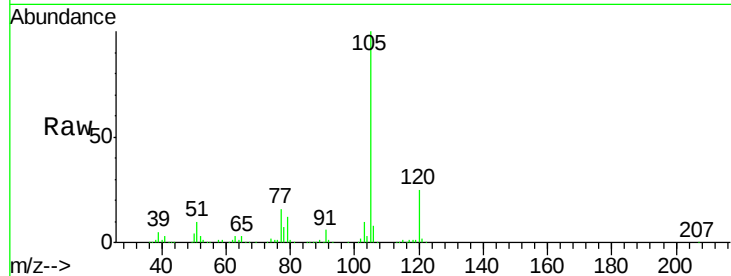
120 25.9 13.0 38.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

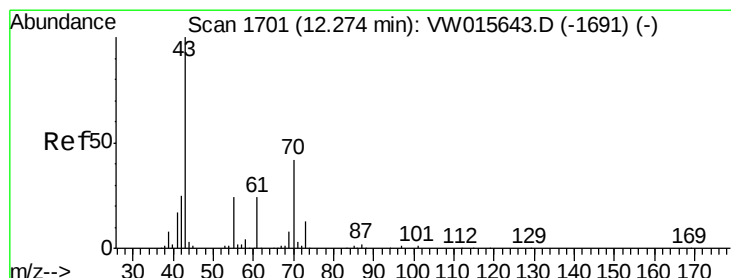
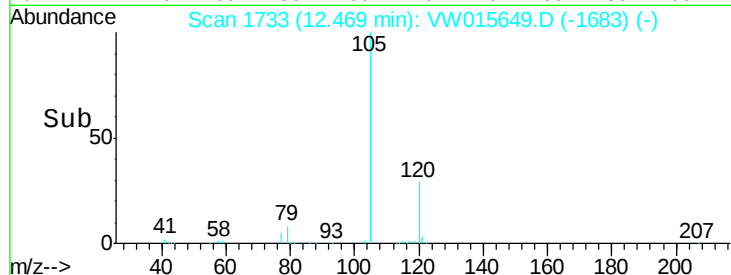
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.822 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion: 43 Resp: 50347

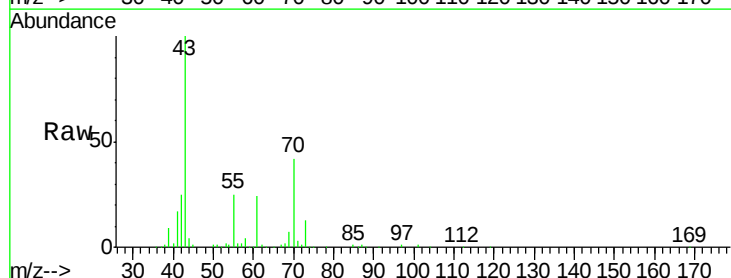
Ion Ratio Lower Upper

43 100

70 42.1 33.6 50.4

55 25.1 19.1 28.7

61 23.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

50000

40000

30000

20000

10000

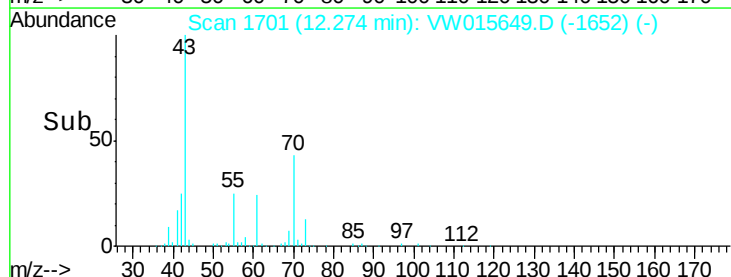
0

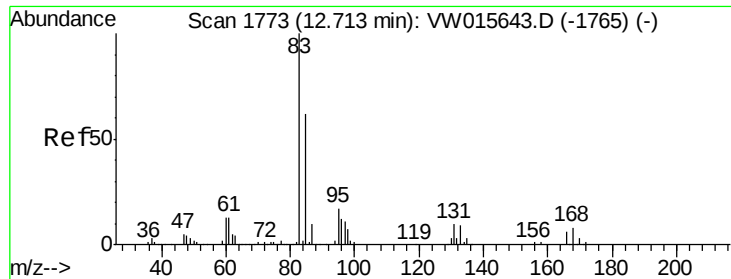
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.342 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

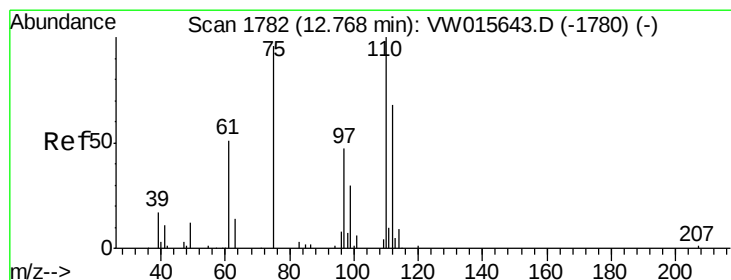
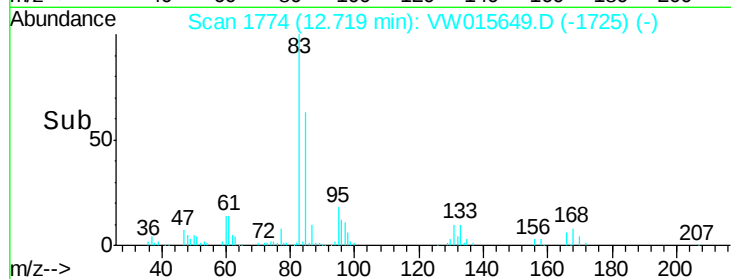
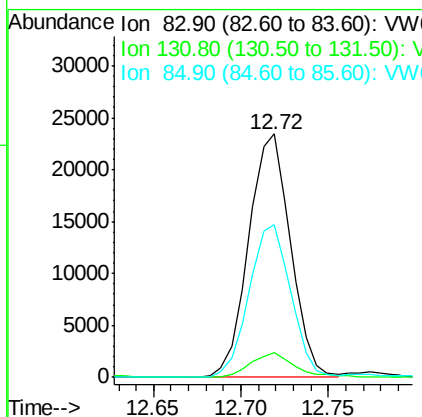
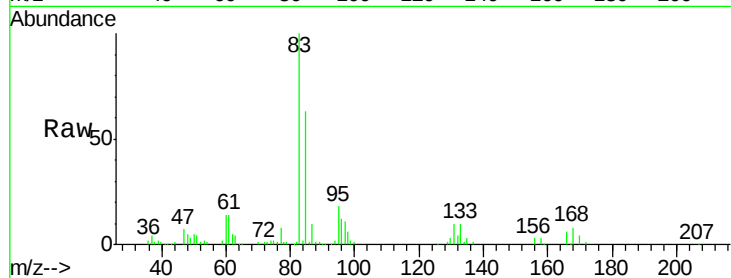
ClientSampleId :

VW0622SBS01

Tot Ion:	83	Resp:	39062
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	62.5	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.624 ug/l m

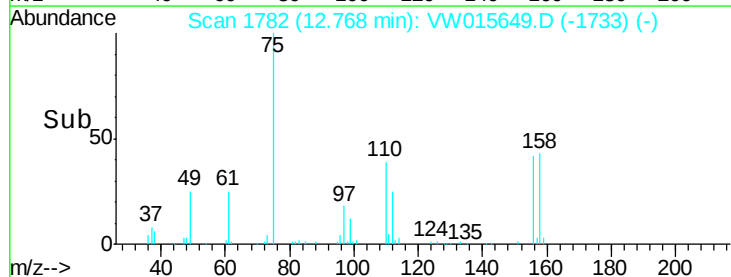
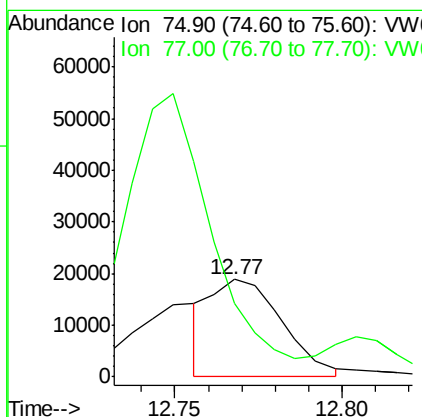
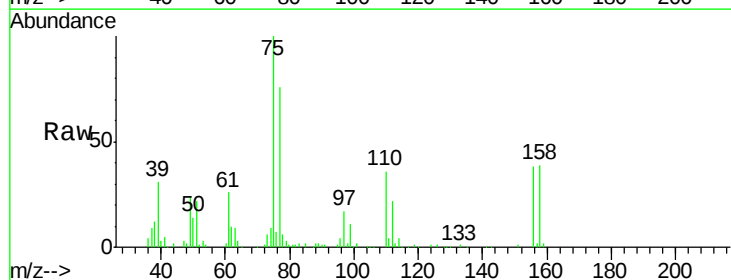
RT: 12.77 min Scan# 1782

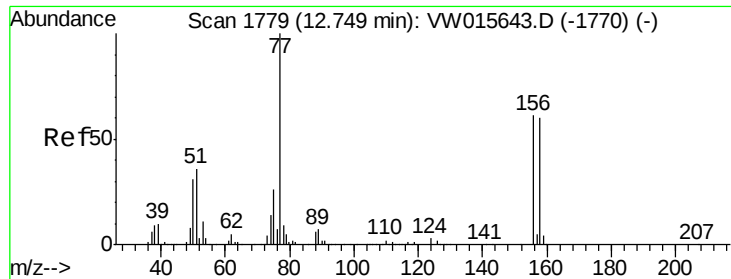
Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion:	75	Resp:	28347
Ion Ratio	Lower	Upper	
75	100		
77	351.8	0.0	0.0#





#77

Bromobenzene

Concen: 18.597 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBSD01

Tot Ion:156 Resp: 50046

Ion Ratio Lower Upper

156 100

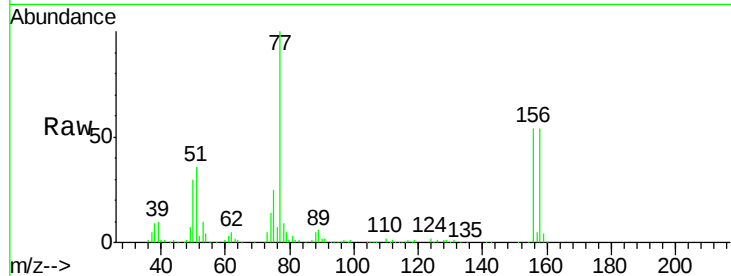
77 199.3 97.3 291.8

158 100.8 48.5 145.6

Manual Integrations
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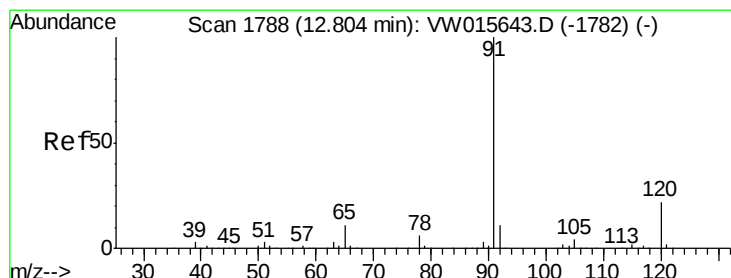
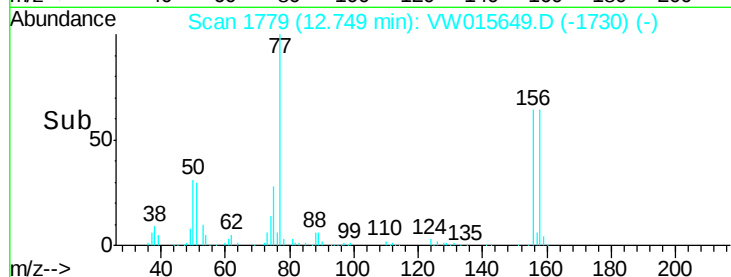
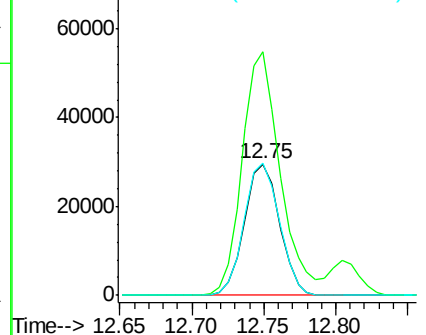
6/23/2020 11:00:52 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.220 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015649.D

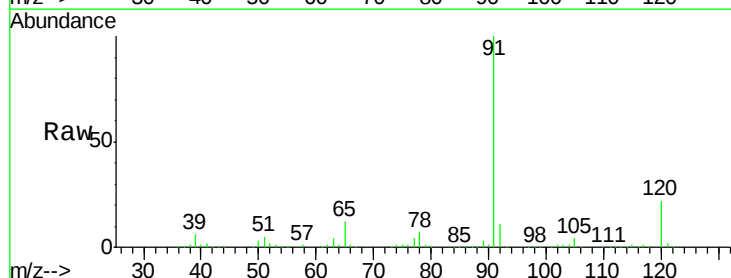
Acq: 22 Jun 2020 15:01

Tgt Ion: 91 Resp: 286169

Ion Ratio Lower Upper

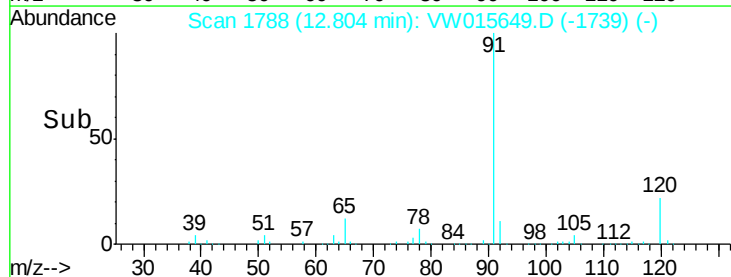
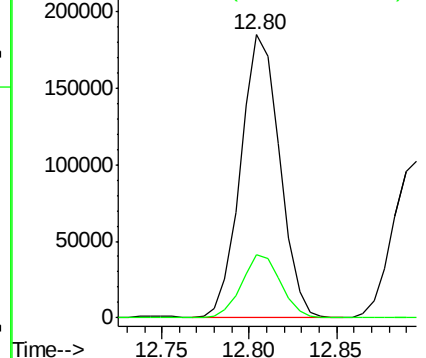
91 100

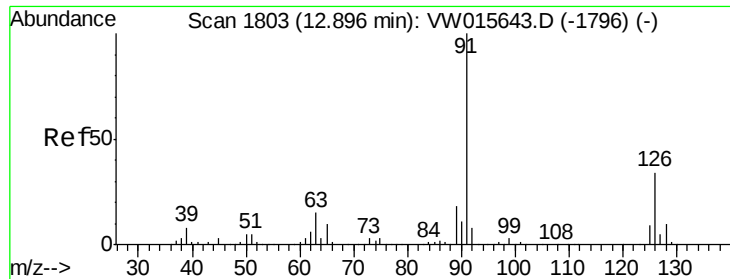
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.317 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBS01

Tot Ion: 91 Resp: 163250

Ion Ratio Lower Upper

91 100

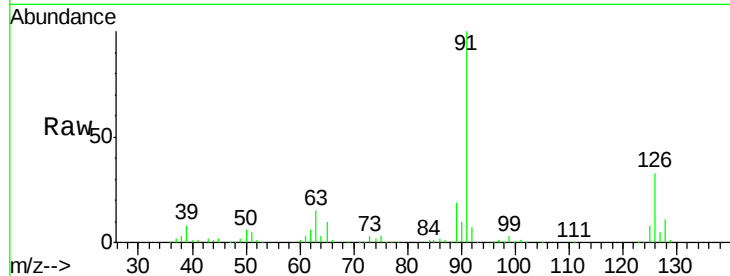
126 32.6 16.2 48.5

Manual Integrations

APPROVED

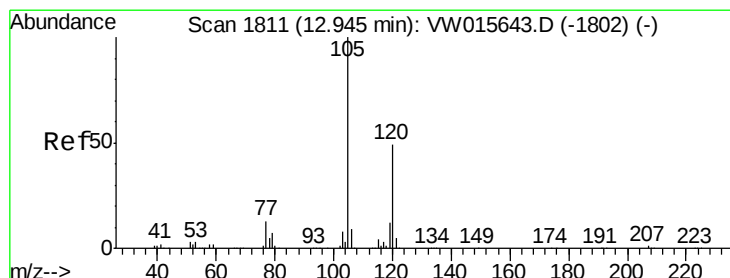
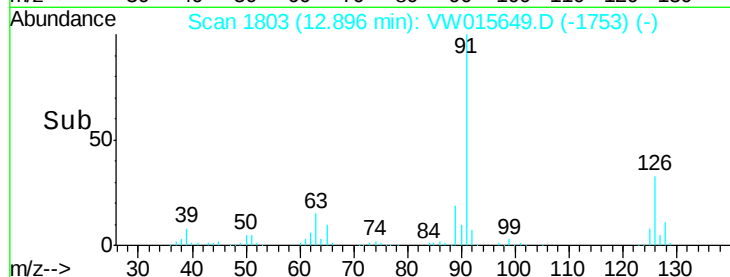
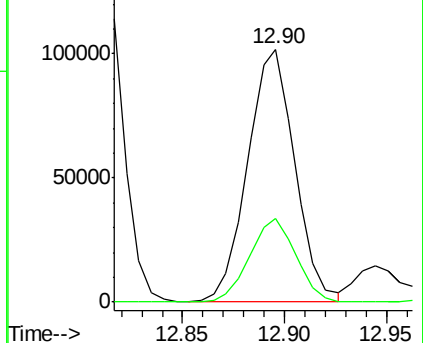
MMDadoda

6/23/2020 11:00:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.157 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015649.D

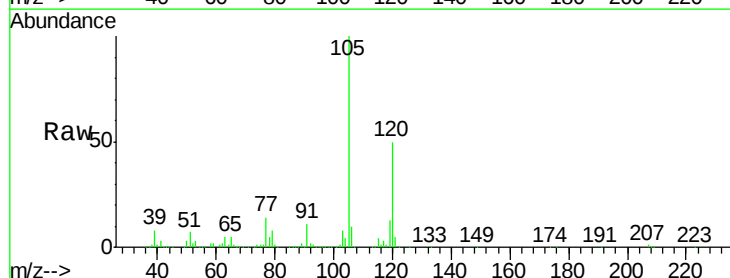
Acq: 22 Jun 2020 15:01

Tgt Ion:105 Resp: 201187

Ion Ratio Lower Upper

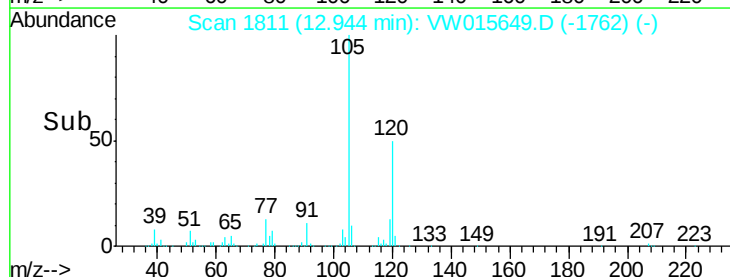
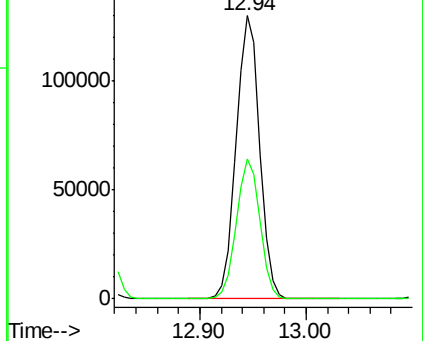
105 100

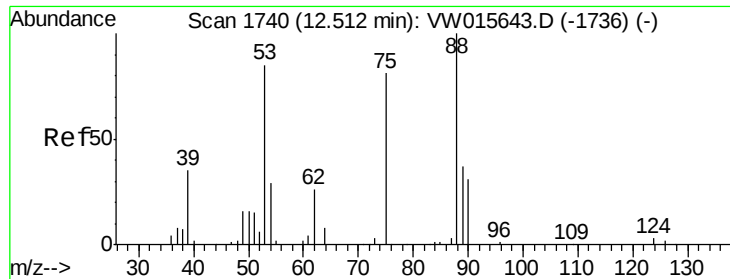
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





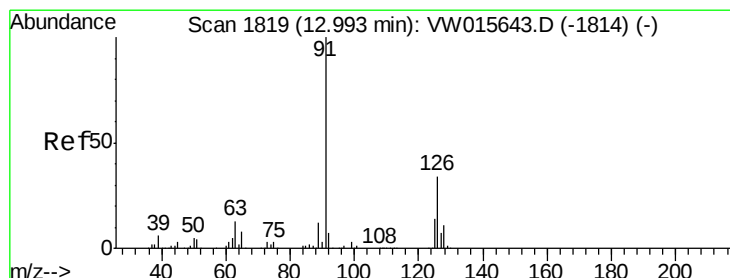
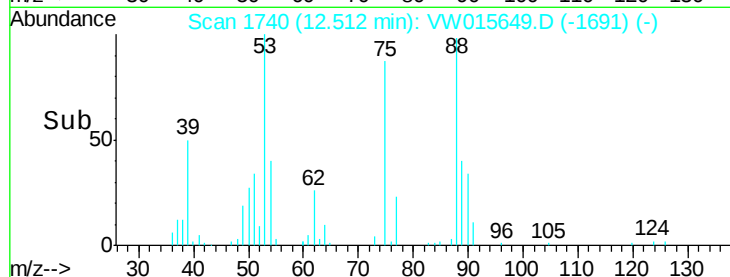
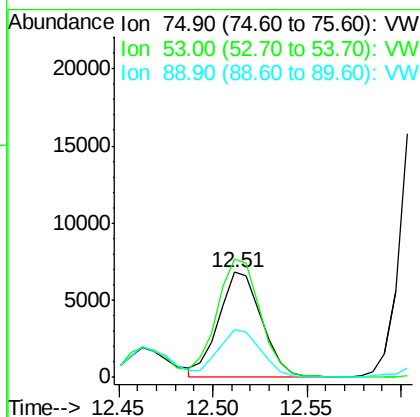
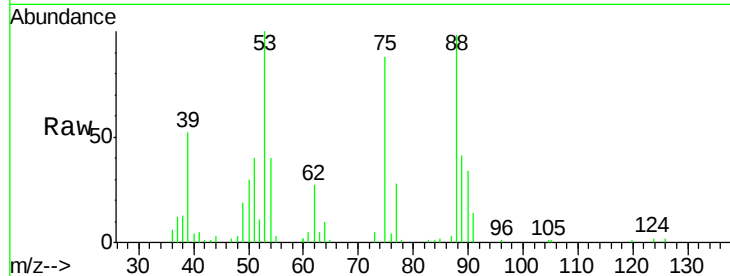
#81
trans-1,4-Dichloro-2-butene
Concen: 16.989 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.8	84.0	126.0
89	45.8	36.6	55.0

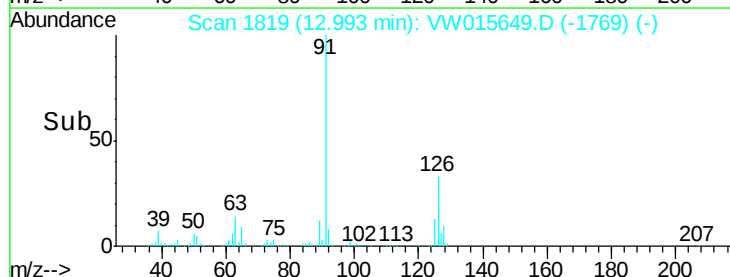
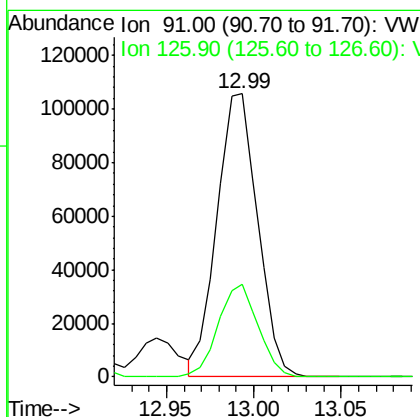
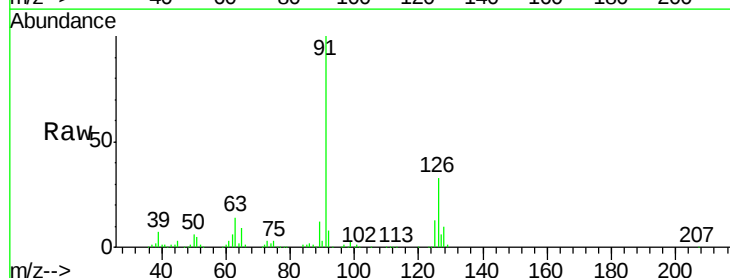
Manual Integrations
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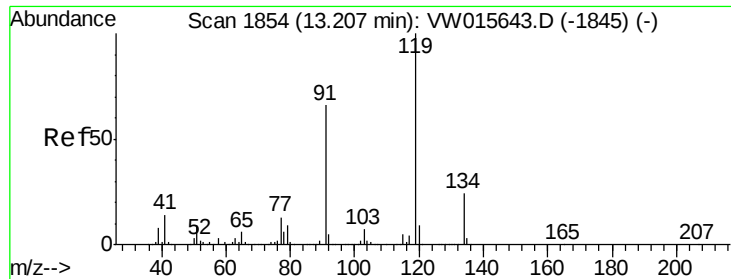
MMDadoda
6/23/2020 11:00:52 AM



#82
4-Chlorotoluene
Concen: 19.597 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4





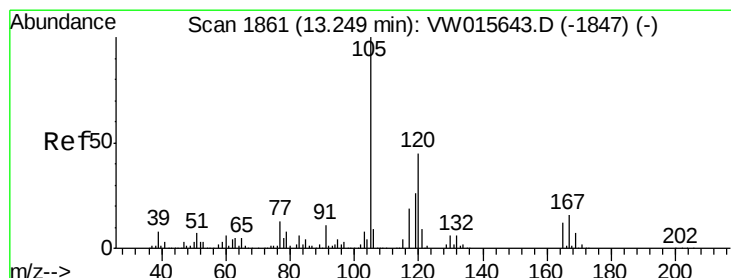
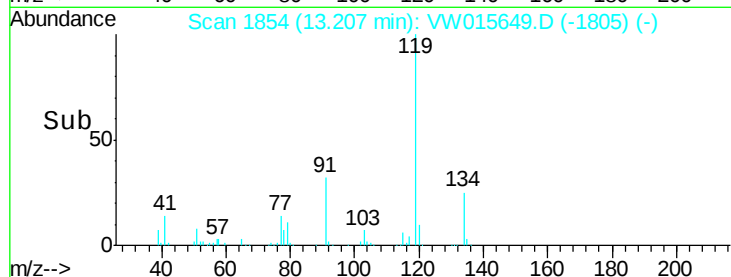
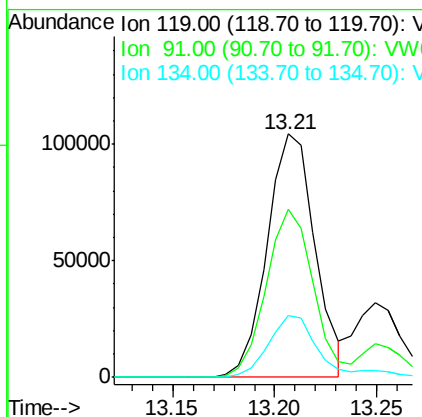
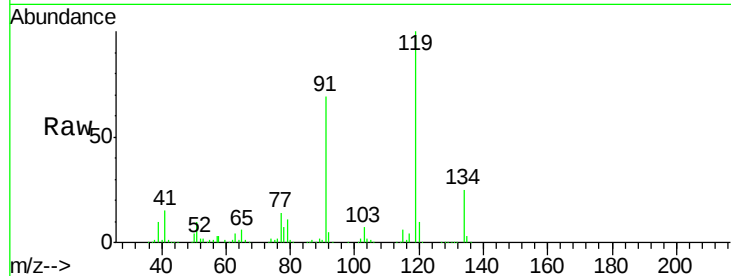
#83
tert-Butylbenzene
Concen: 19.048 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.2	102.5
134	24.9	12.7	38.1

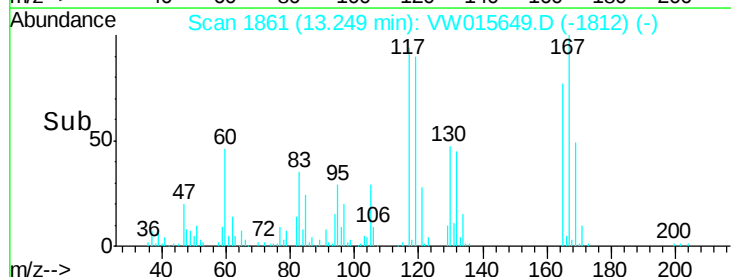
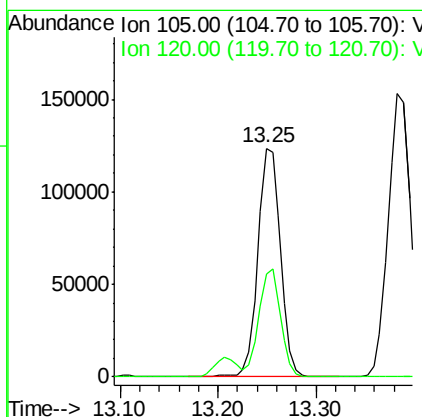
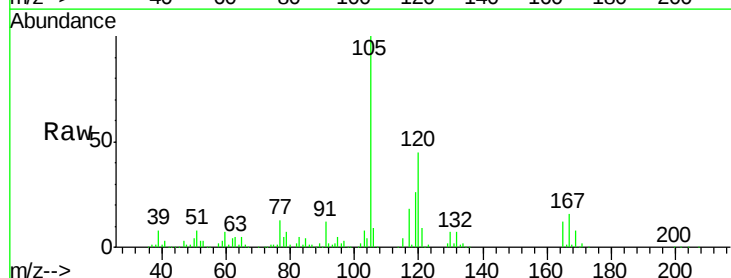
Manual Integrations
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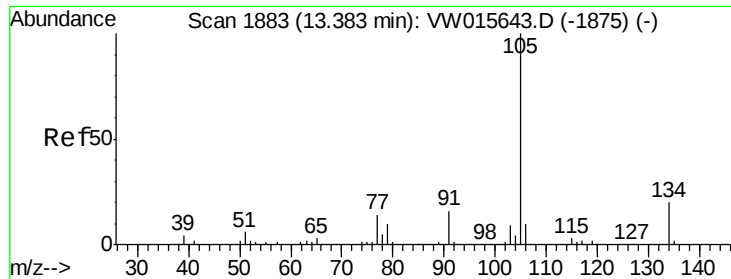
MMDadoda
6/23/2020 11:00:52 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.907 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.6	67.8





#85

sec-Butylbenzene

Concen: 19.220 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Instrument :

MSVOA_W

ClientSampled :

VW0622SBS01

Tot Ion:105 Resp: 243104

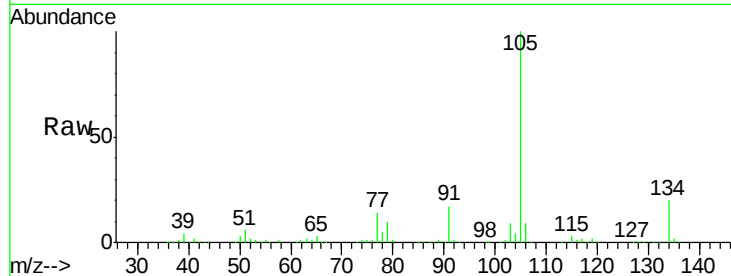
Ion Ratio Lower Upper

105 100

134 20.2 10.0 30.0

Manual Integrations
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6/23/2020 11:00:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

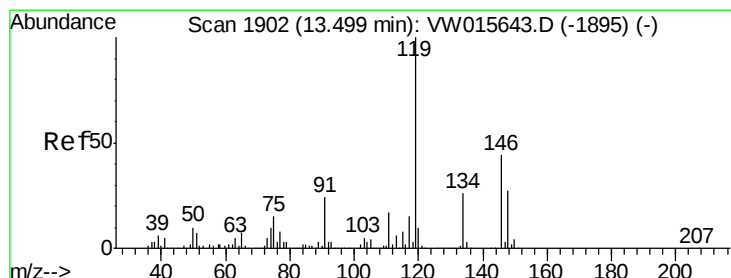
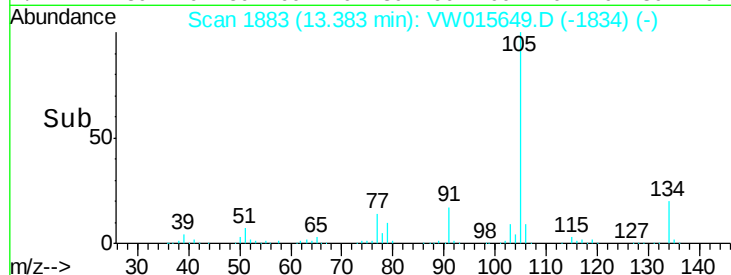
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 19.517 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

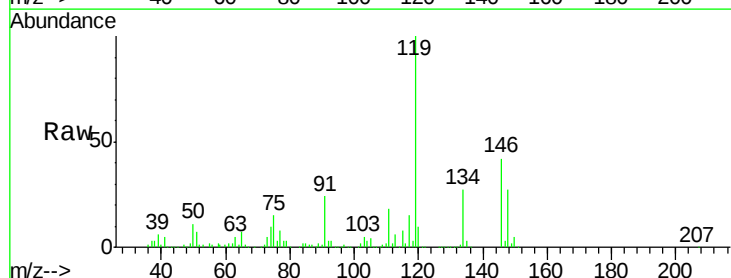
Tgt Ion:119 Resp: 226117

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

91 24.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

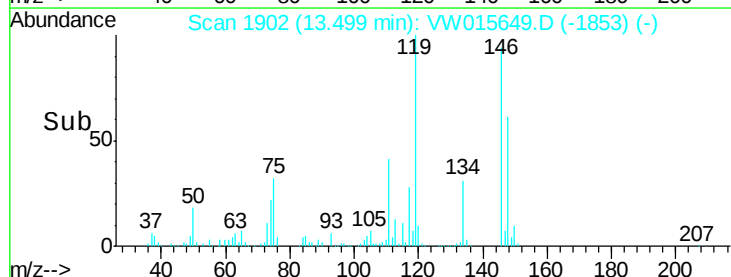
150000

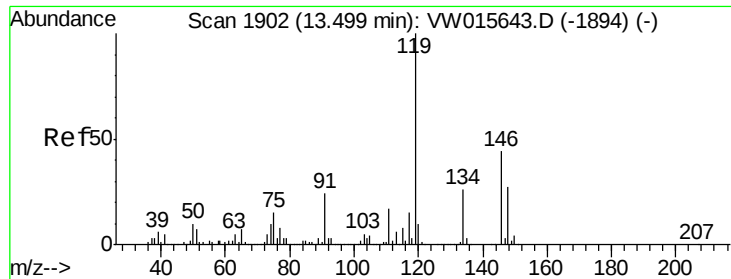
100000

50000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 19.833 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

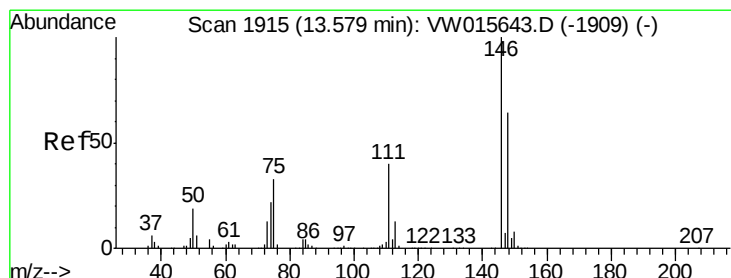
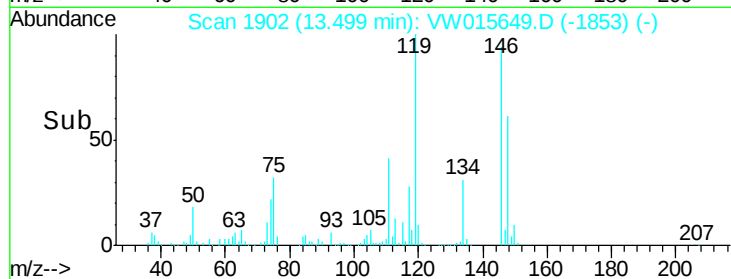
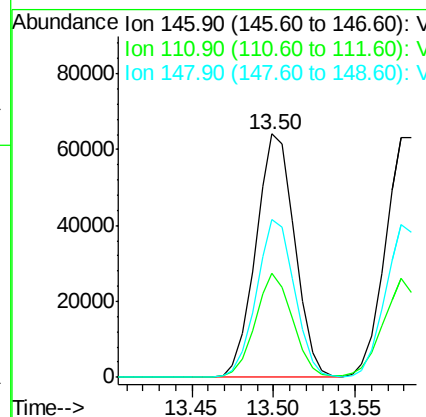
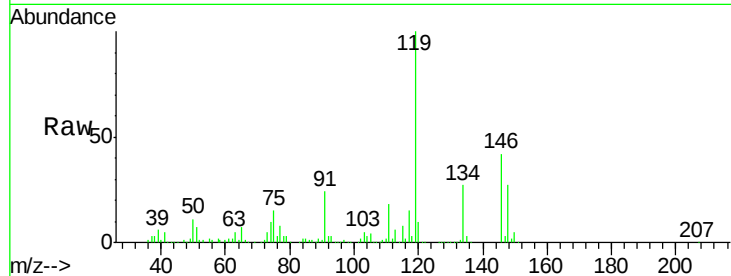
Instrument :
MSVOA_W

ClientSampleId :
VW0622SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.5
148	63.4	31.2	93.6

Manual Integrations
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6/23/2020 11:00:52 AM



#88

1,4-Dichlorobenzene

Concen: 19.724 ug/l

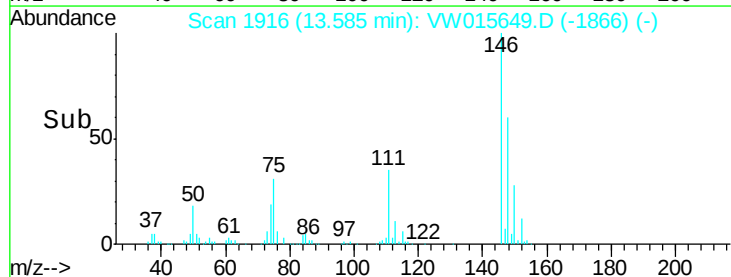
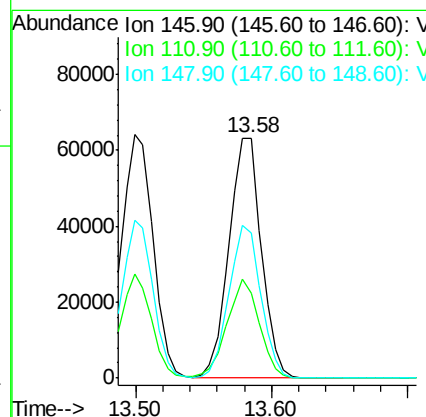
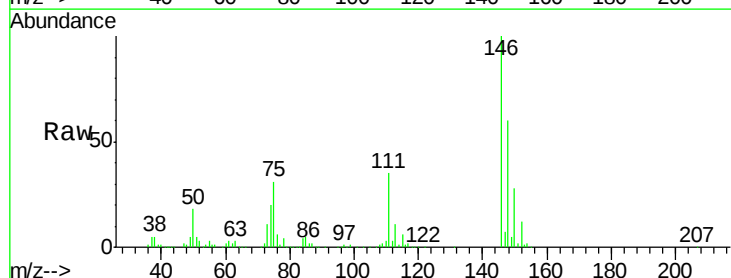
RT: 13.58 min Scan# 1916

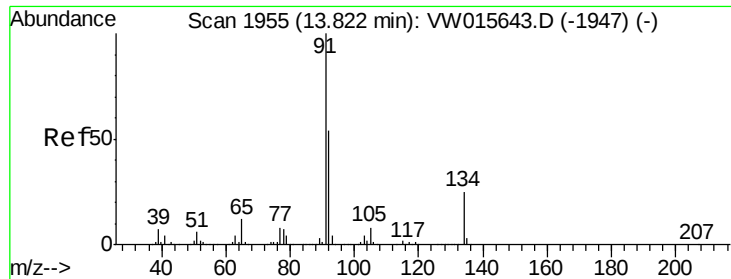
Delta R.T. 0.01 min

Lab File: VW015649.D

Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.6	58.7
148	62.7	30.9	92.7





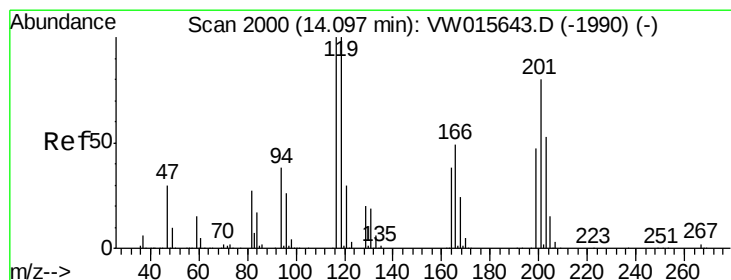
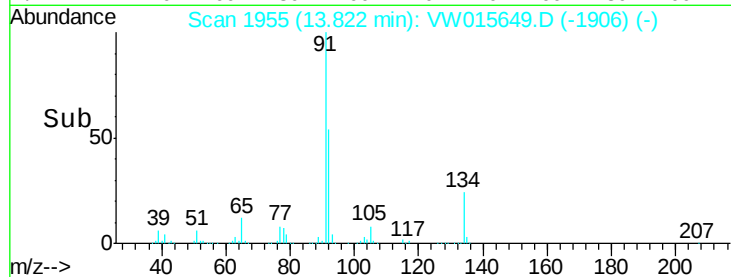
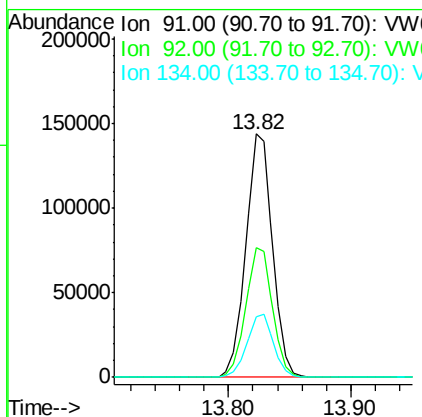
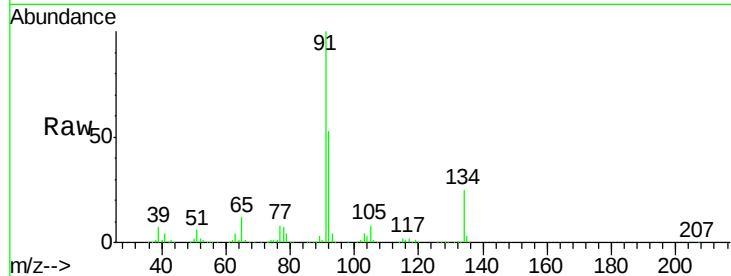
#89
n-Butylbenzene
Concen: 19.504 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	216913		
92	53.6	27.3	81.9	
134	25.8	13.1	39.1	

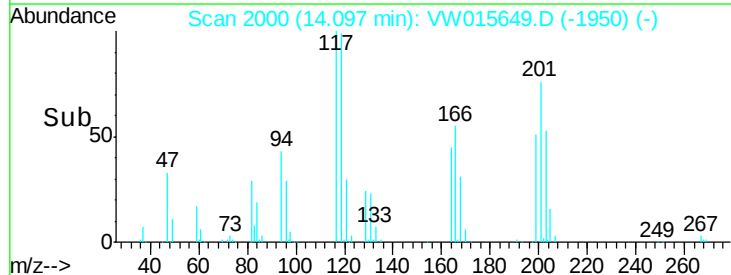
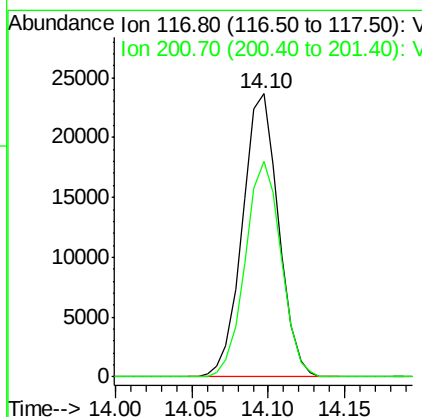
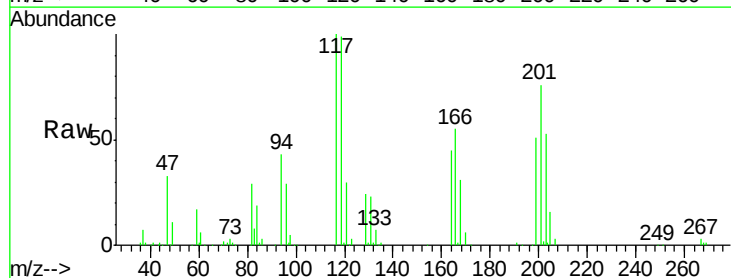
Manual Integrations
APPROVED

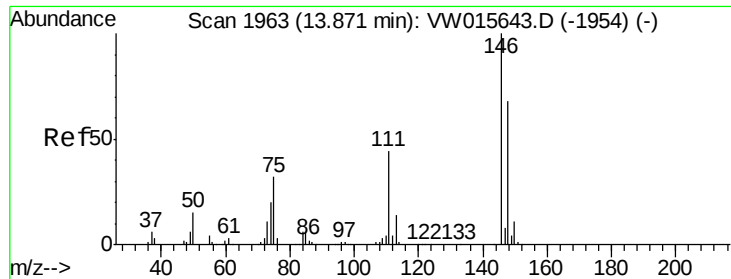
MMDadoda
6/23/2020 11:00:52 AM



#90
Hexachloroethane
Concen: 18.202 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38794		
201	75.9	38.5	115.3	





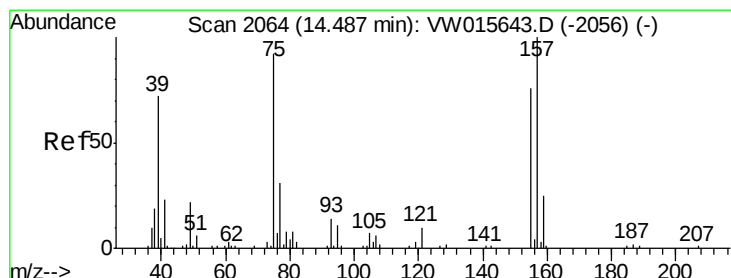
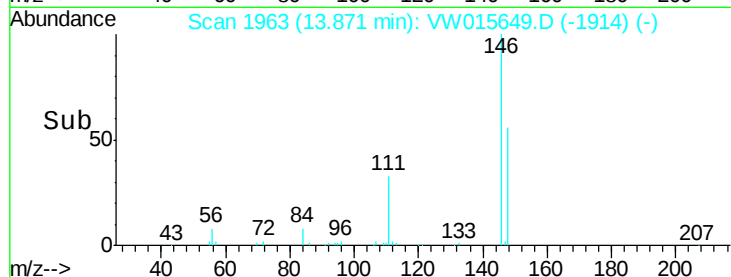
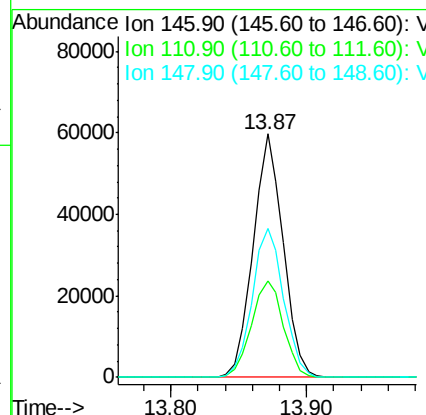
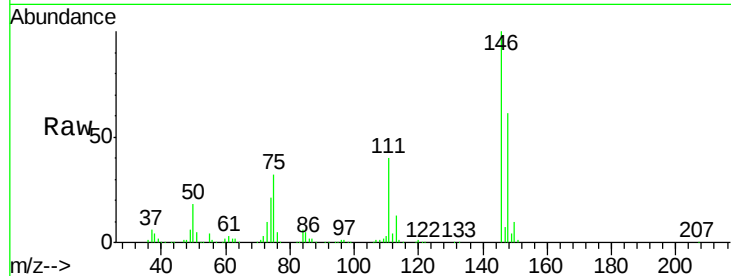
#91
 1,2-Dichlorobenzene
 Concen: 19.854 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.8
148	63.9	32.1	96.5

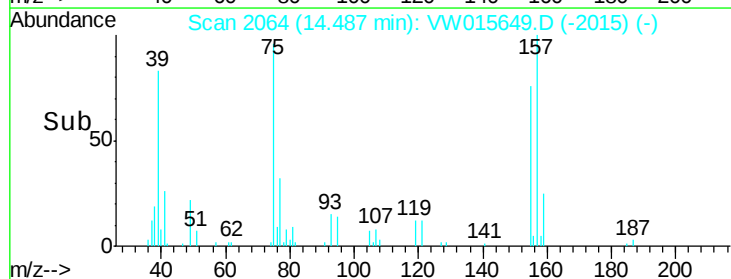
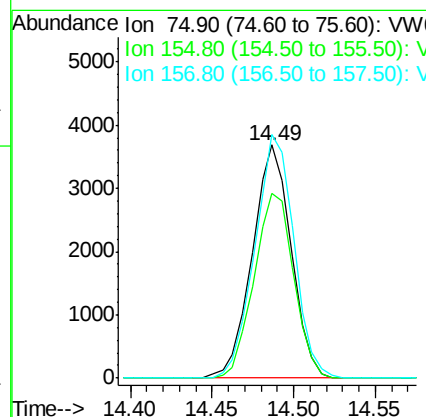
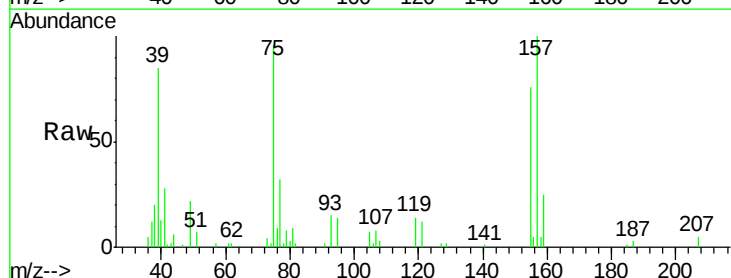
Manual Integrations
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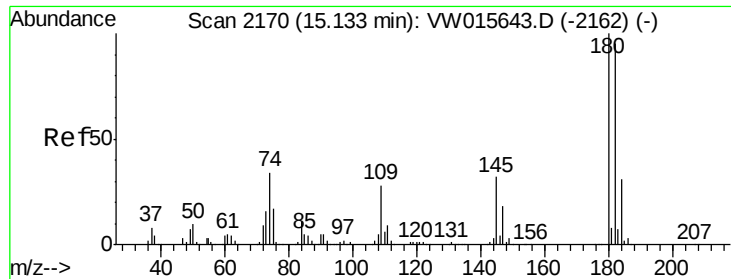
MMDadoda
 6/23/2020 11:00:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.465 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	40.4	121.1
157	104.6	50.5	151.6





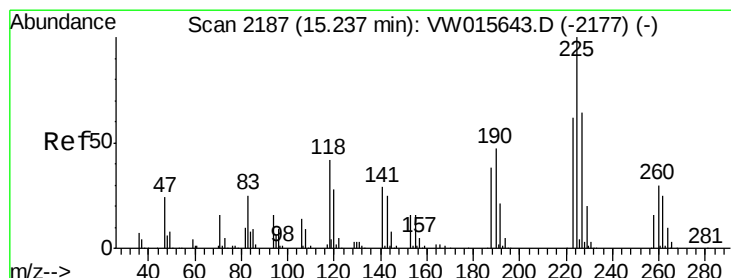
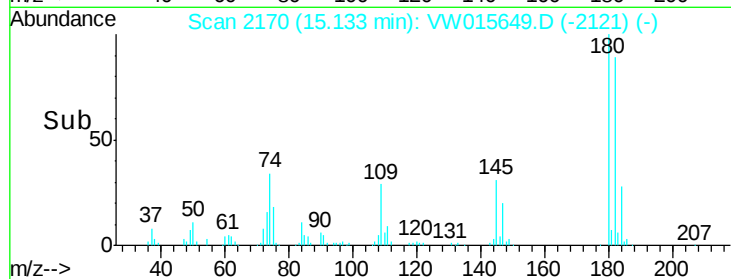
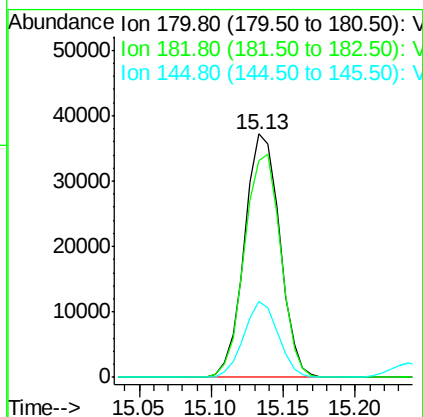
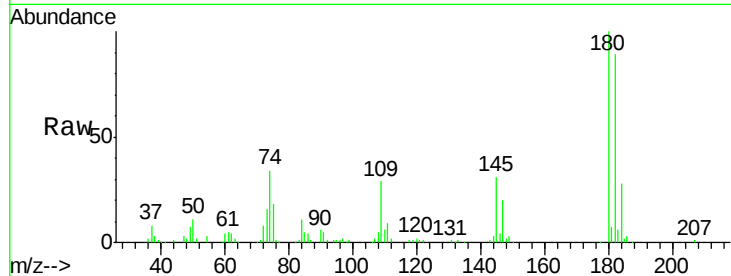
#93
 1,2,4-Trichlorobenzene
 Concen: 19.700 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.7	143.1
145	30.2	15.4	46.2

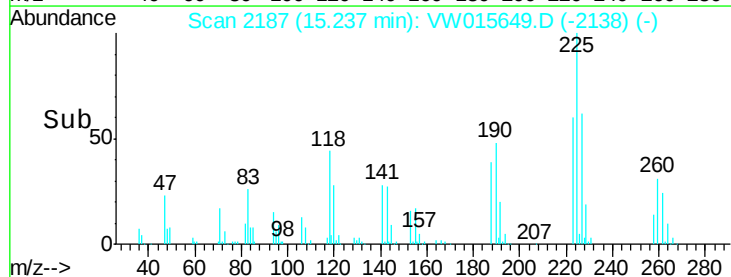
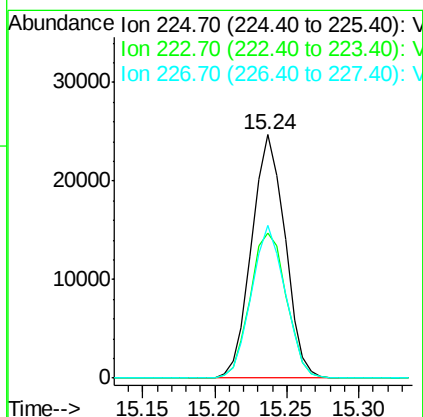
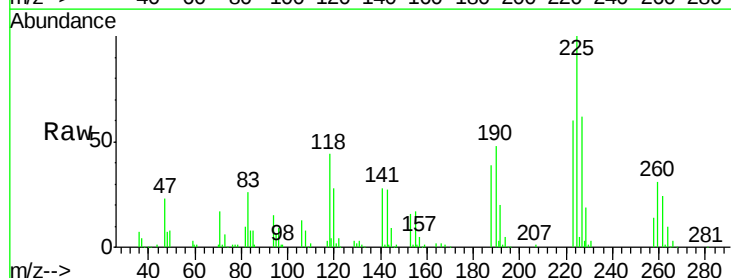
Manual Integrations
 APPROVED

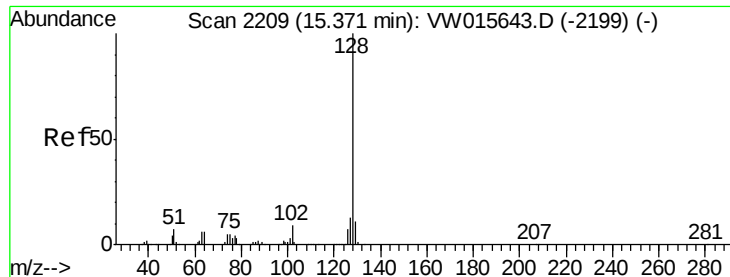
MMDadoda
 6/23/2020 11:00:52 AM



#94
 Hexachlorobutadiene
 Concen: 20.266 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015649.D
 Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.8	95.4
227	63.6	32.6	97.8





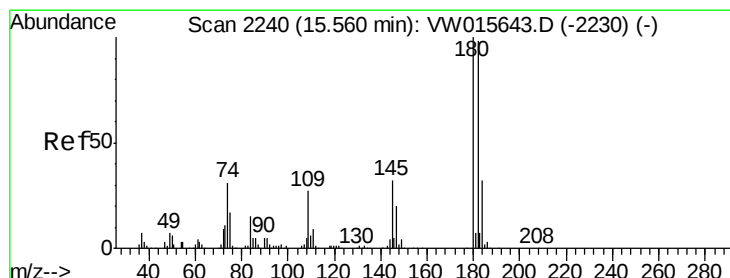
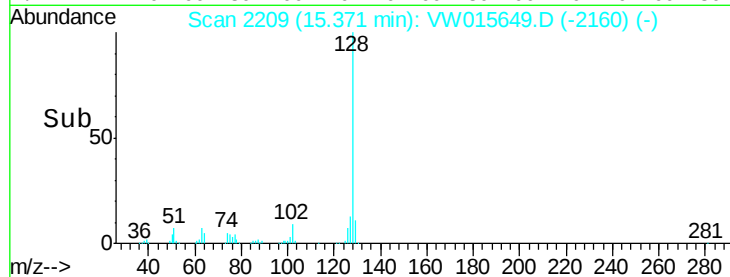
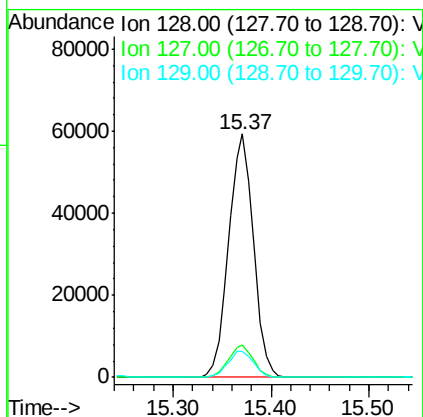
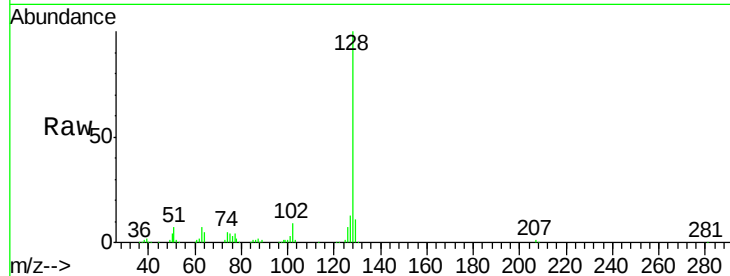
#95
Naphthalene
Concen: 19.200 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW0622SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/23/2020 11:00:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.536 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015649.D
Acq: 22 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.1	141.4
145	33.4	16.3	48.8

