

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015738.D
 Acq On : 26 Jun 2020 09:56
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:33:57 PM

Quant Time: Jun 27 02:05:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	194531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	302078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	105436	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	7.88	113	93988	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	10.32	98	376419	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	141702	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	64314	55.448	ug/l	93
3) Chloromethane	2.21	50	73196	53.740	ug/l	100
4) Vinyl Chloride	2.37	62	118612	53.867	ug/l	98
5) Bromomethane	2.79	94	86728	53.589	ug/l	98
6) Chloroethane	2.93	64	83513	57.633	ug/l	99
7) Trichlorofluoromethane	3.26	101	89522	54.147	ug/l	99
8) Diethyl Ether	3.68	74	54416	56.989	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	97217	49.885	ug/l	99
10) Methyl Iodide	4.27	142	137532	49.910	ug/l	100
11) Tert butyl alcohol	5.23	59	28072m	231.416	ug/l	
12) 1,1-Dichloroethene	4.03	96	95701	50.433	ug/l	98
13) Acrolein	3.90	56	32222	214.304	ug/l	99
14) Allyl chloride	4.67	41	155078	50.373	ug/l	100
15) Acrylonitrile	5.38	53	96351	244.575	ug/l	99
16) Acetone	4.15	43	113393	275.584	ug/l	100
17) Carbon Disulfide	4.38	76	274469	50.255	ug/l	99
18) Methyl Acetate	4.68	43	43200	50.820	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	145181	50.837	ug/l	99
20) Methylene Chloride	4.91	84	107007	53.715	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	108983	50.093	ug/l	99
22) Diisopropyl ether	6.31	45	310729	50.747	ug/l	97
23) Vinyl Acetate	6.26	43	932299	261.096	ug/l	99
24) 1,1-Dichloroethane	6.21	63	192253	49.880	ug/l	99
25) 2-Butanone	7.18	43	141667	254.748	ug/l	100
26) 2,2-Dichloropropane	7.17	77	122319	47.316	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	117886	50.370	ug/l	99
28) Bromochloromethane	7.51	49	75710	51.066	ug/l	98
29) Tetrahydrofuran	7.54	42	80854	247.418	ug/l	99
30) Chloroform	7.68	83	195979	49.579	ug/l	98
31) Cyclohexane	7.96	56	179209	48.066	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	167808	49.802	ug/l	98
36) 1,1-Dichloropropene	8.09	75	163083	51.906	ug/l	100
37) Ethyl Acetate	7.26	43	60743	50.634	ug/l	98
38) Carbon Tetrachloride	8.07	117	155419	51.030	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	198077	52.049	ug/l	99
40) Benzene	8.32	78	436009	51.036	ug/l	99
41) Methacrylonitrile	7.49	41	37593	54.601	ug/l	91
42) 1,2-Dichloroethane	8.40	62	134517	50.897	ug/l	100
43) Isopropyl Acetate	8.43	43	121029	50.555	ug/l	99
44) Trichloroethene	9.09	130	115966	50.361	ug/l	99
45) 1,2-Dichloropropane	9.37	63	105873	50.701	ug/l	99
46) Dibromomethane	9.46	93	54326	50.282	ug/l	99
47) Bromodichloromethane	9.65	83	143185	50.807	ug/l	100
48) Methyl methacrylate	9.44	41	56398	51.528	ug/l	98
49) 1,4-Dioxane	9.48	88	14261	1006.183	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	297091	257.331	ug/l	99
52) Toluene	10.39	92	286706	51.974	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	140426	51.578	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	165475	50.877	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	76531	50.946	ug/l	98
56) Ethyl methacrylate	10.65	69	99615	53.296	ug/l	97
57) 1,3-Dichloropropane	10.93	76	136667	51.318	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	241665	273.221	ug/l	99
59) 2-Hexanone	10.97	43	212822	270.772	ug/l	100
60) Dibromochloromethane	11.13	129	88995	50.839	ug/l	97
61) 1,2-Dibromoethane	11.24	107	73426	51.136	ug/l	100
64) Tetrachloroethene	10.87	164	98371	49.297	ug/l	97
65) Chlorobenzene	11.66	112	293114	48.944	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	103726	49.398	ug/l	98
67) Ethyl Benzene	11.73	91	566327	50.812	ug/l	100
68) m/p-Xylenes	11.84	106	432412	103.321	ug/l	100
69) o-Xylene	12.17	106	197170	51.239	ug/l	100
70) Styrene	12.18	104	343472	52.243	ug/l	99
71) Bromoform	12.35	173	49174	50.897	ug/l #	98
73) Isopropylbenzene	12.46	105	562512	50.653	ug/l	99
74) N-amyl acetate	12.27	43	119440	50.736	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	87467	49.233	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64807m	48.805	ug/l	
77) Bromobenzene	12.75	156	120640	48.719	ug/l	97
78) n-propylbenzene	12.80	91	683976	51.169	ug/l	99
79) 2-Chlorotoluene	12.90	91	384212	51.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	483964	51.432	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26731	50.730	ug/l	94
82) 4-Chlorotoluene	12.99	91	399568	50.181	ug/l	99
83) tert-Butylbenzene	13.21	119	405461	50.998	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	480447	51.198	ug/l	100
85) sec-Butylbenzene	13.38	105	591423	52.049	ug/l	100
86) p-Isopropyltoluene	13.50	119	544308	52.724	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	245288	49.899	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	242541	49.818	ug/l	96
89) n-Butylbenzene	13.82	91	516682	52.135	ug/l	100
90) Hexachloroethane	14.10	117	91998	50.074	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	216696	50.985	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14522	51.047	ug/l	98

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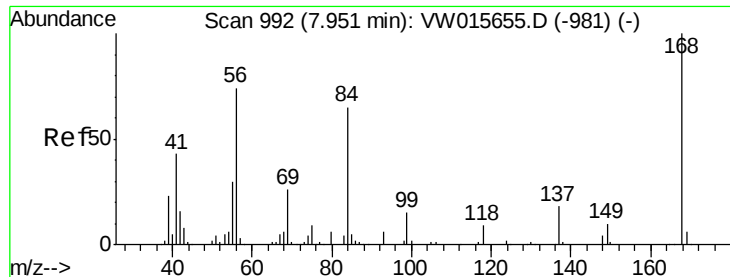
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	143576	51.155	ug/l	99
94) Hexachlorobutadiene	15.24	225	89234	49.906	ug/l	100
95) Naphthalene	15.37	128	250920	54.052	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	121648	50.340	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 194531

Ion Ratio Lower Upper

168 100

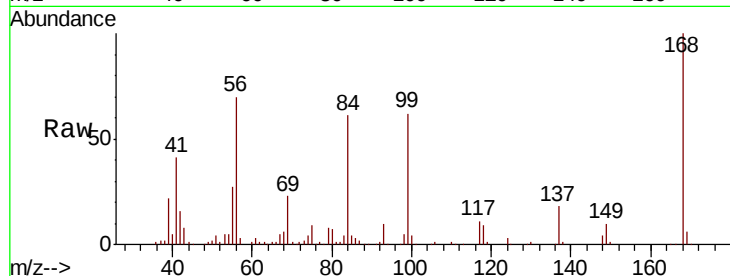
99 61.5 48.6 73.0

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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

80000

60000

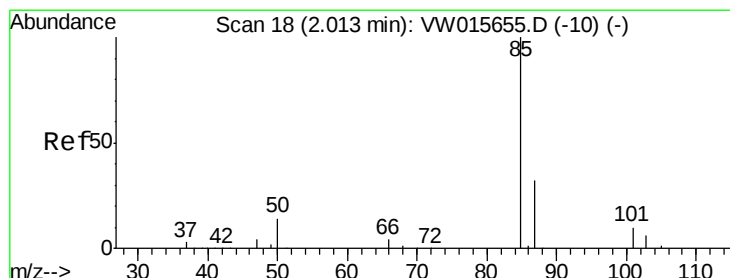
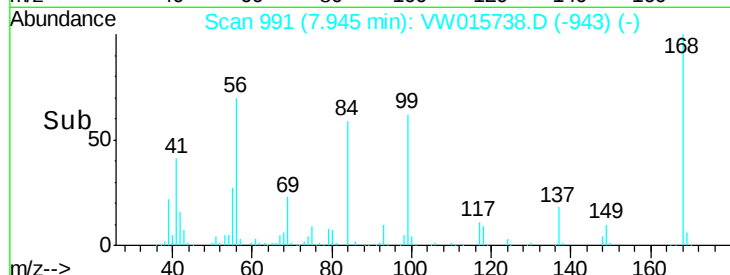
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 55.448 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015738.D

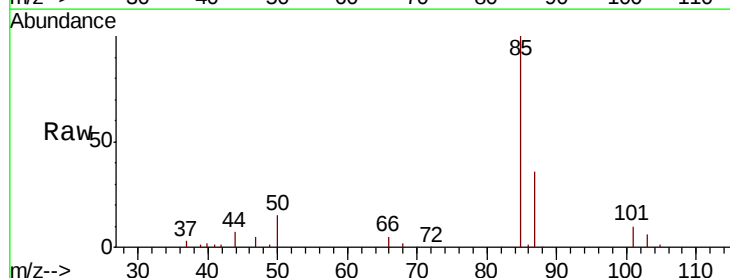
Acq: 26 Jun 2020 09:56

Tgt Ion: 85 Resp: 64314

Ion Ratio Lower Upper

85 100

87 35.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

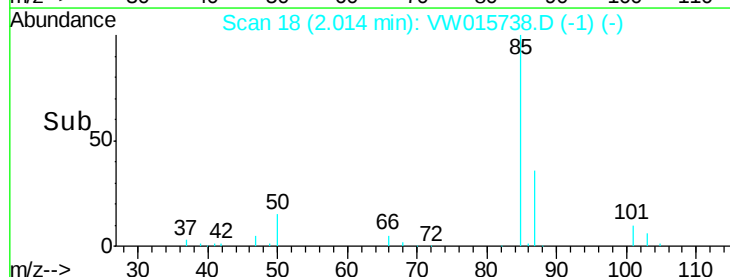
10000

5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 53.740 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 73196

Ion Ratio Lower Upper

50 100

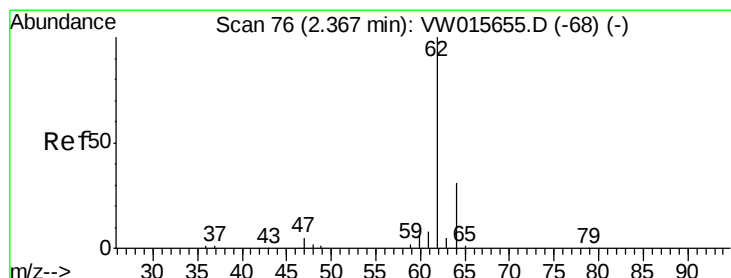
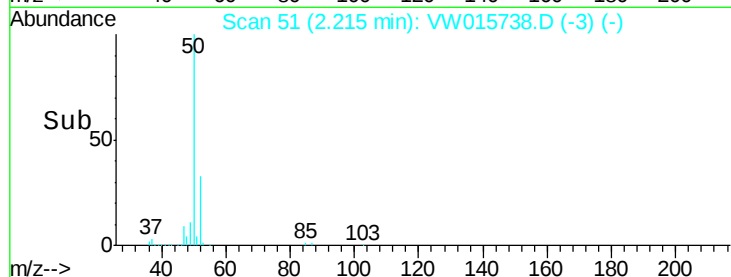
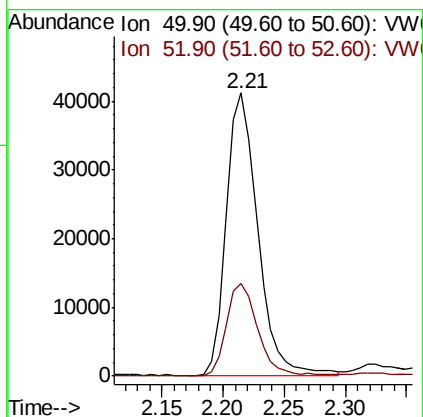
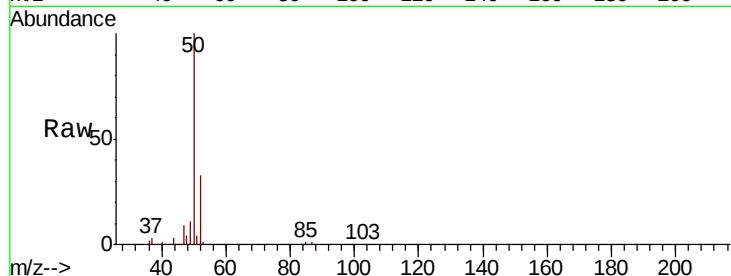
52 32.7 26.0 39.0

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6/29/2020 12:33:57 PM



#4

Vinyl Chloride

Concen: 53.867 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015738.D

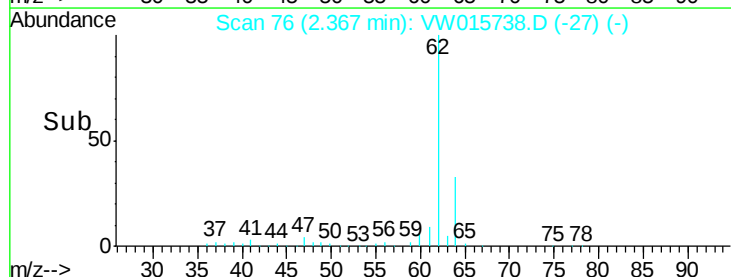
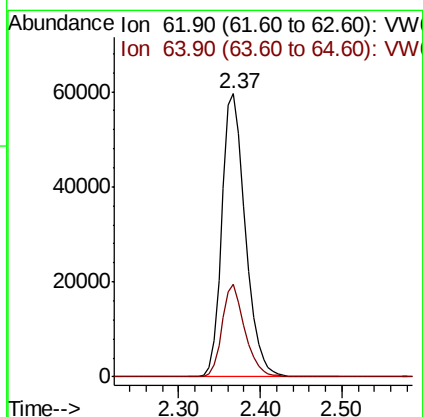
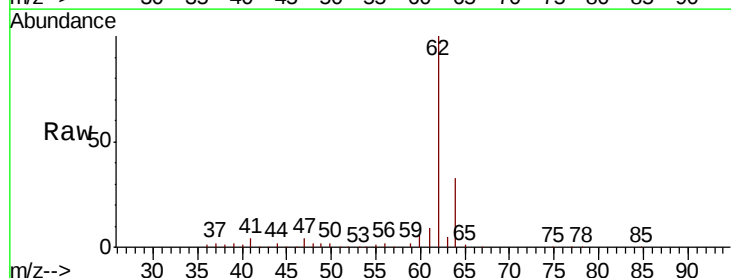
Acq: 26 Jun 2020 09:56

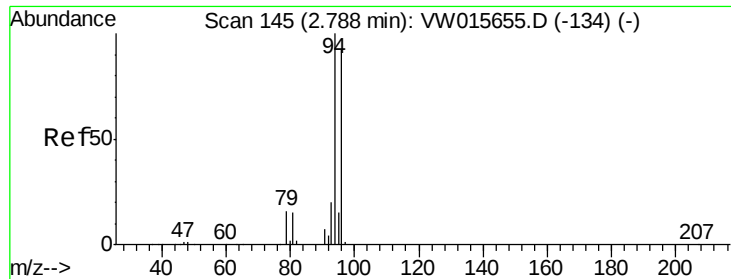
Tgt Ion: 62 Resp: 118612

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 53.589 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86728

Ion Ratio Lower Upper

94 100

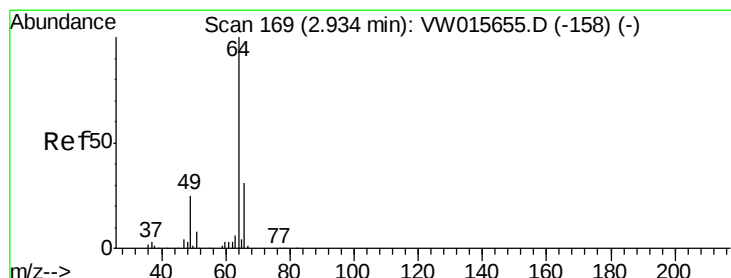
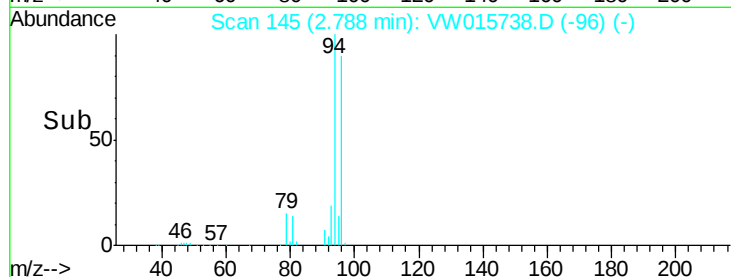
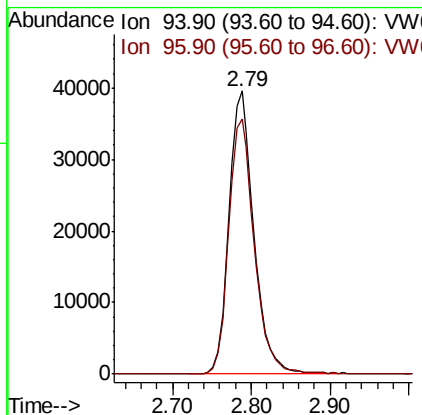
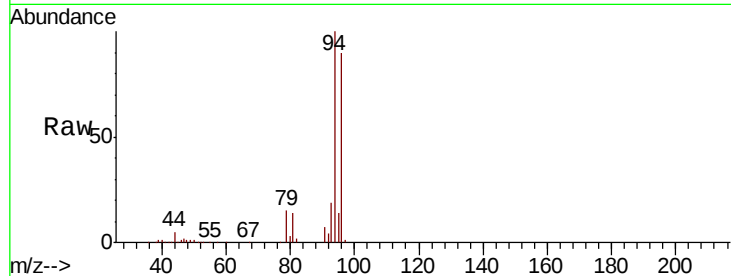
96 90.2 73.8 110.6

Manual Integrations

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6/29/2020 12:33:57 PM



#6

Chloroethane

Concen: 57.633 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015738.D

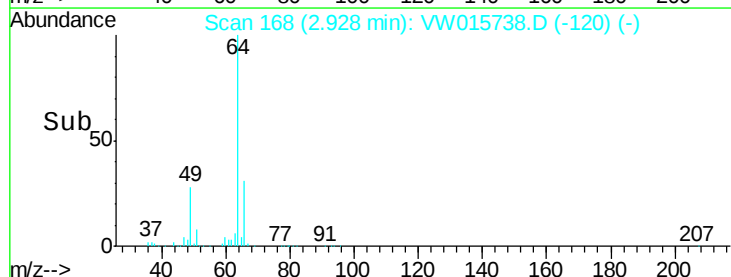
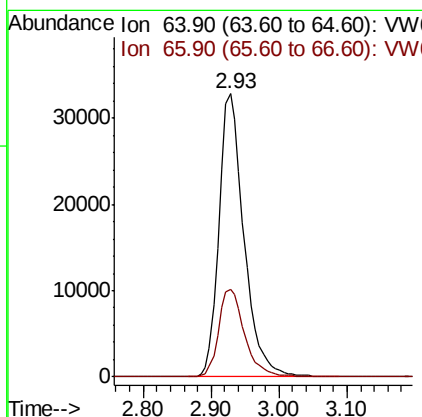
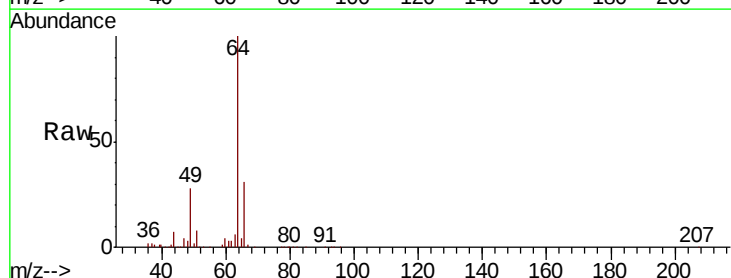
Acq: 26 Jun 2020 09:56

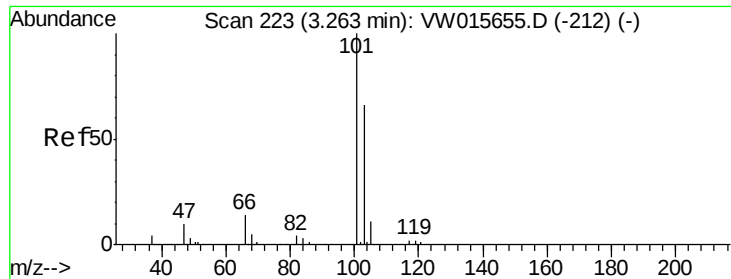
Tgt Ion: 64 Resp: 83513

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9





#7

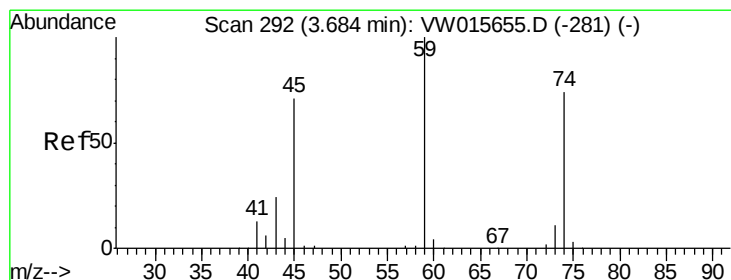
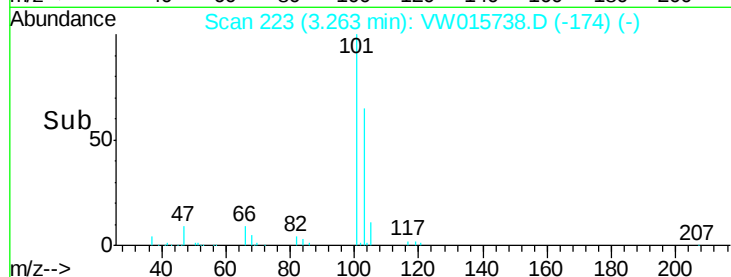
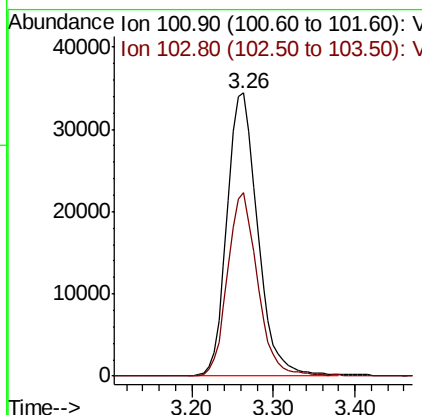
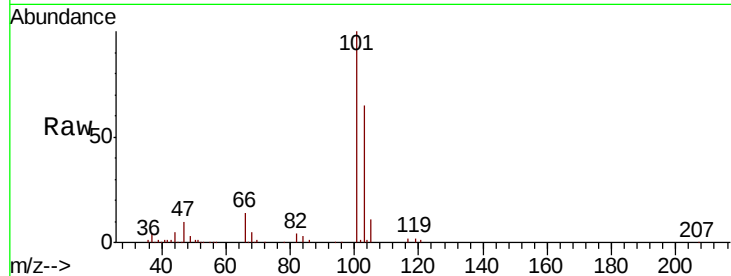
Trichlorofluoromethane
Concen: 54.147 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015738.D
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Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.6	78.8

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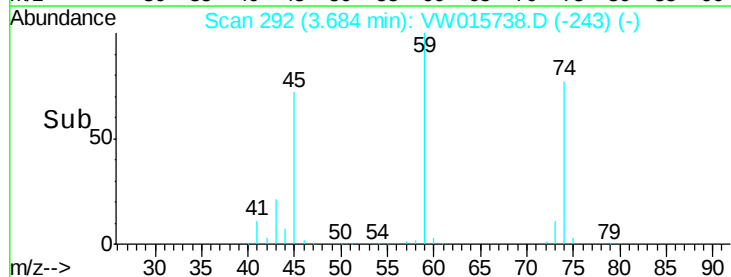
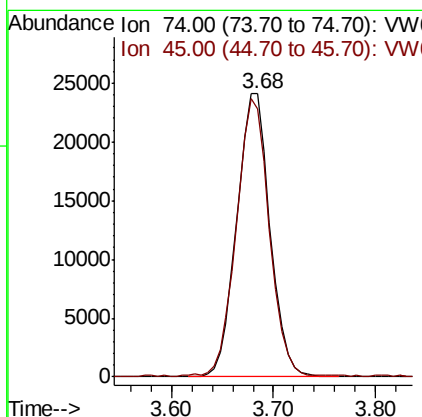
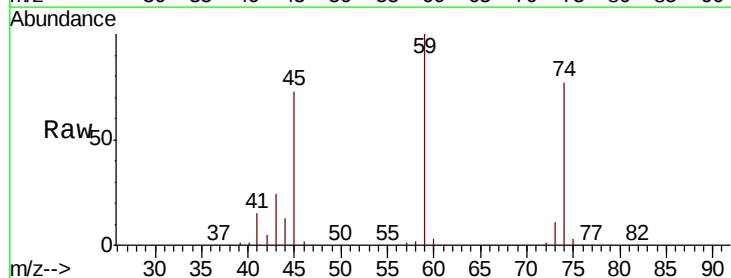
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6/29/2020 12:33:57 PM

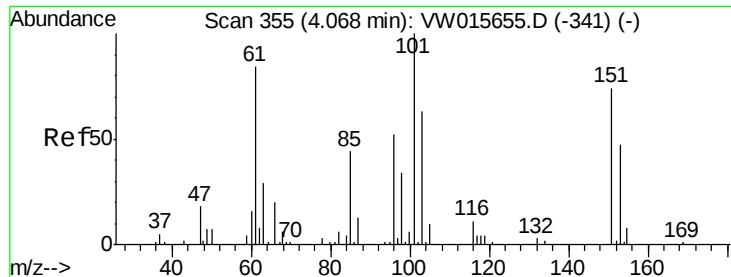


#8

Diethyl Ether
Concen: 56.989 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.885 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

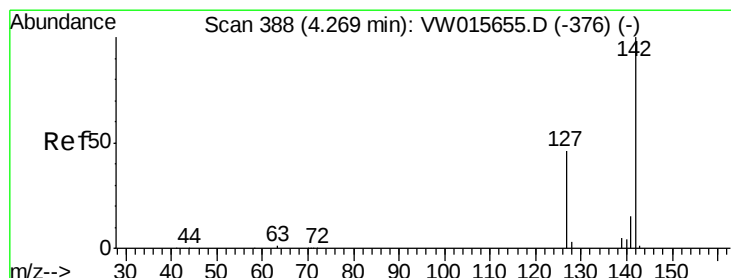
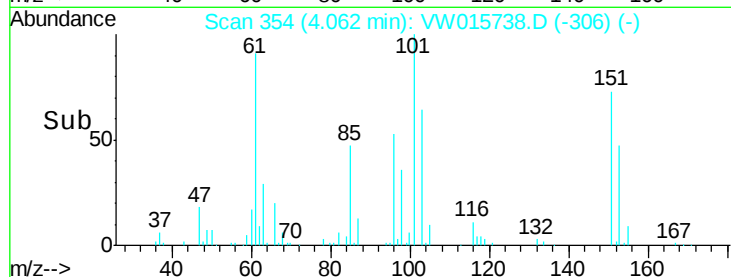
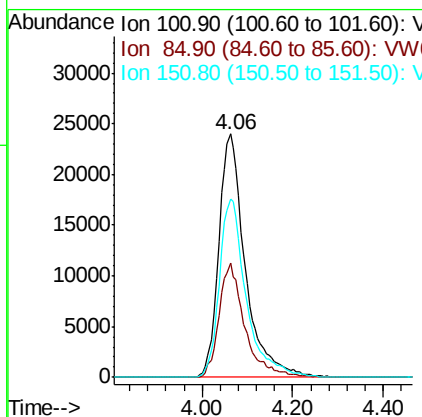
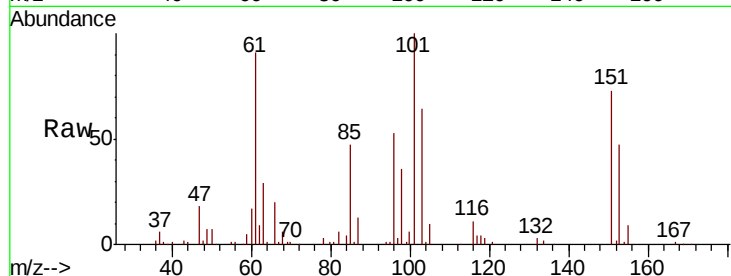
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	97217
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.6	55.0
151	74.7	60.4	90.6

Manual Integrations
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#10

Methyl Iodide

Concen: 49.910 ug/l

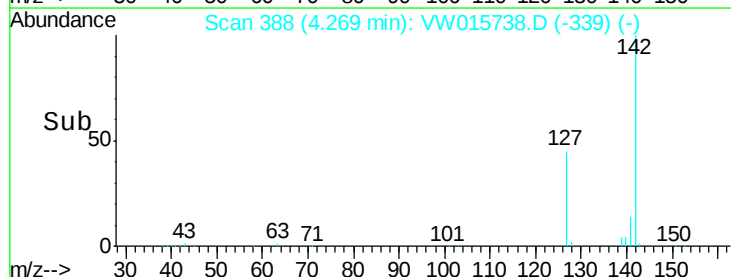
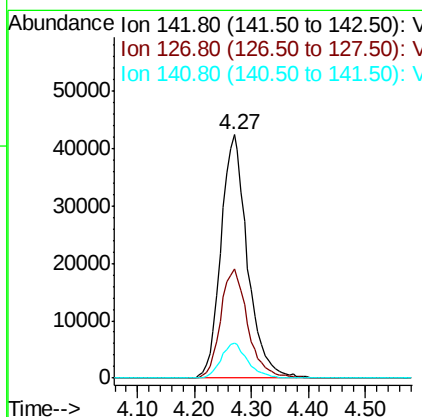
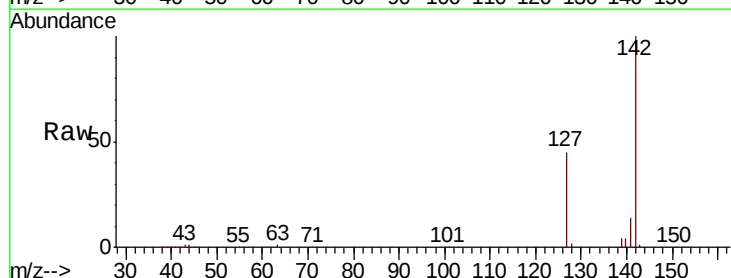
RT: 4.27 min Scan# 388

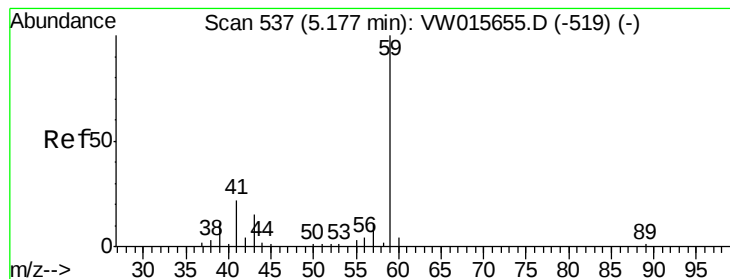
Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion:	142	Resp:	137532
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.4	54.6
141	14.3	11.6	17.4





#11

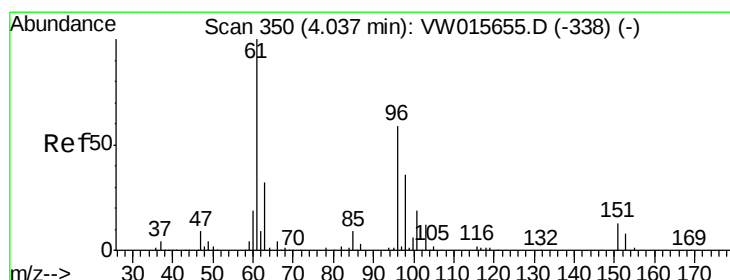
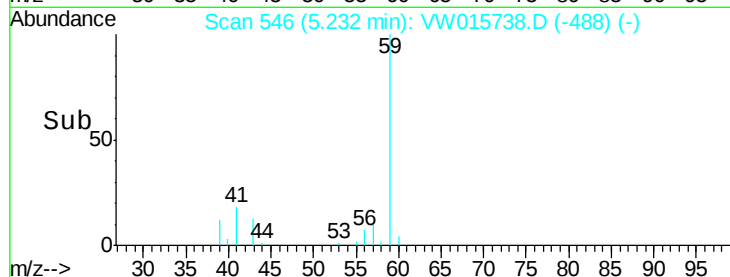
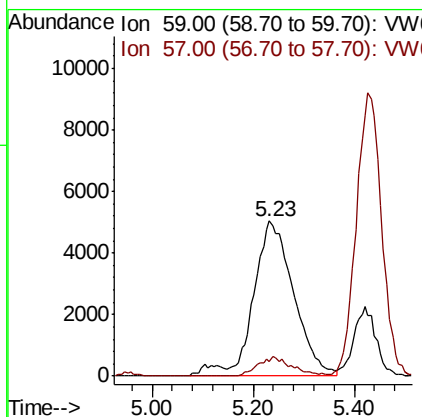
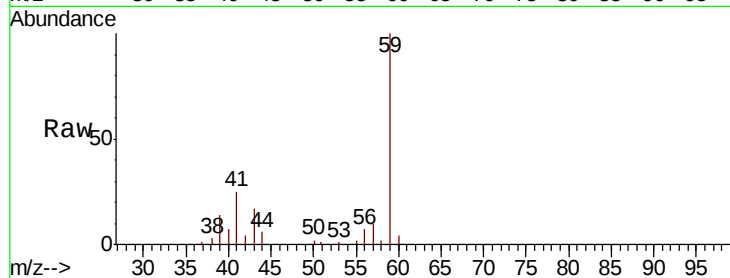
Tert butyl alcohol
 Concen: 231.416 ug/l m
 RT: 5.23 min Scan# 546
 Delta R.T. 0.06 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

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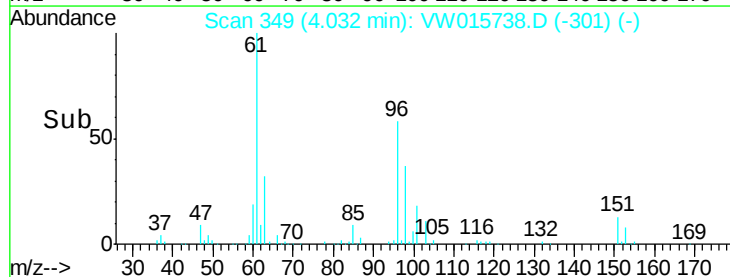
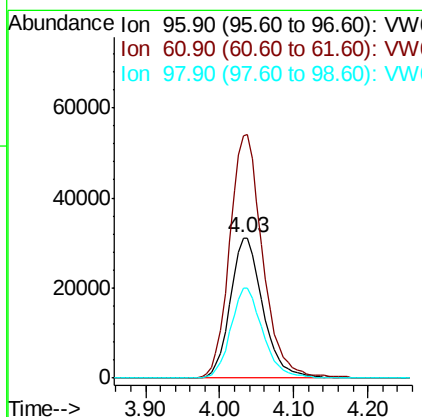
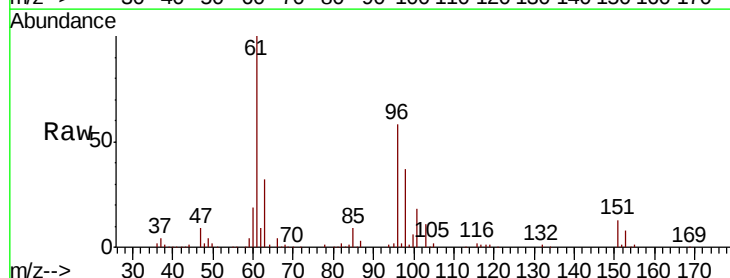
MMDadoda
 6/29/2020 12:33:57 PM

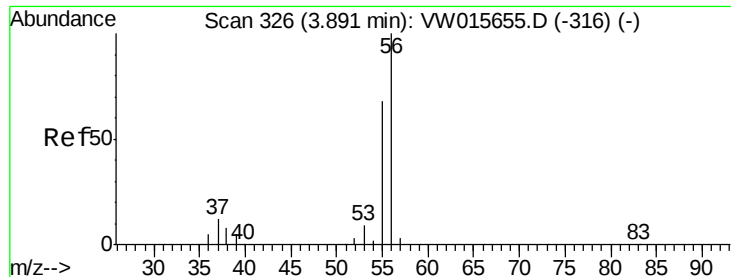


#12

1,1-Dichloroethene
 Concen: 50.433 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.9	136.7	205.1
98	63.7	49.2	73.8





#13

Acrolein

Concen: 214.304 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 32222

Ion Ratio Lower Upper

56 100

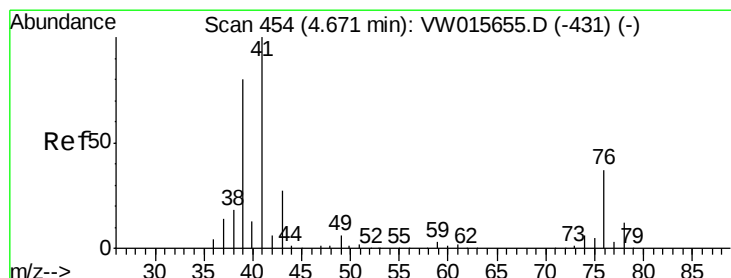
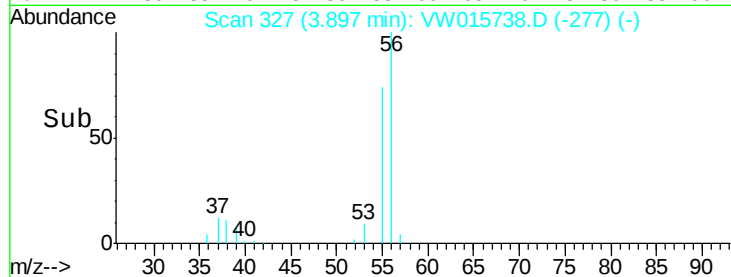
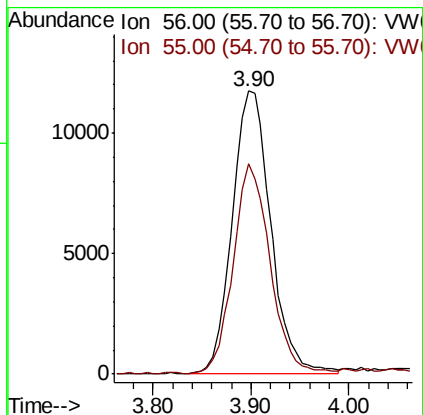
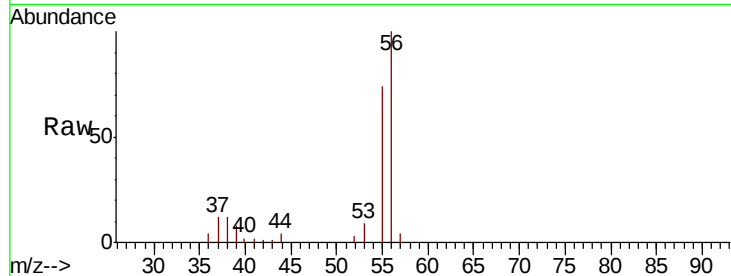
55 71.0 56.2 84.2

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#14

Allyl chloride

Concen: 50.373 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

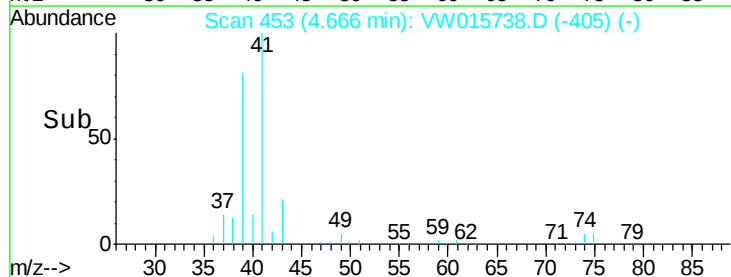
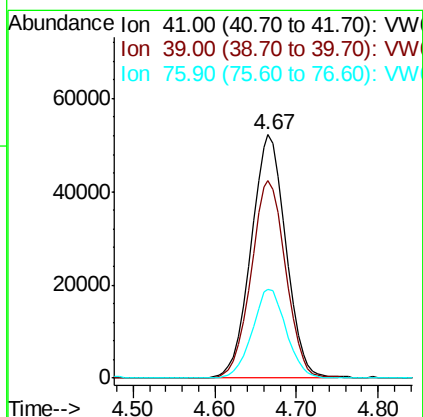
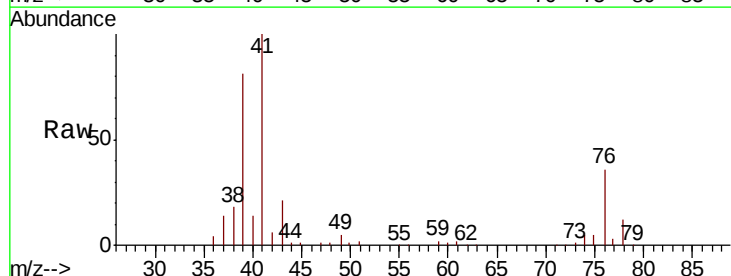
Tgt Ion: 41 Resp: 155078

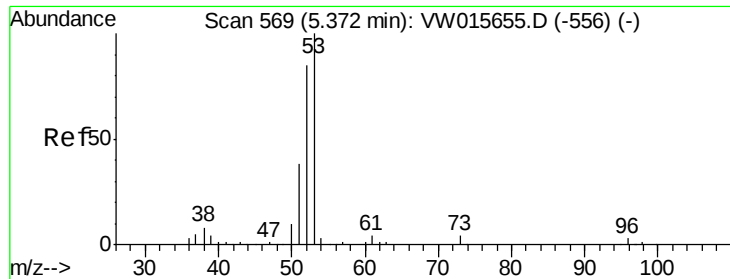
Ion Ratio Lower Upper

41 100

39 80.9 64.6 97.0

76 35.8 29.1 43.7





#15

Acrylonitrile

Concen: 244.575 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

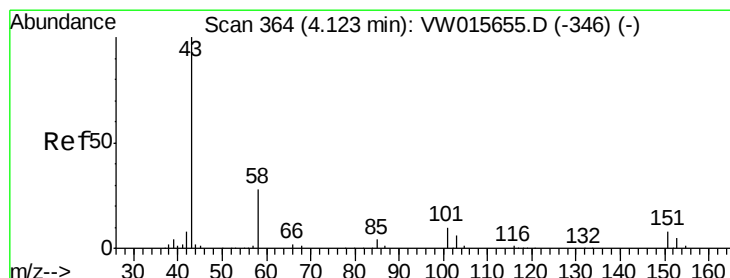
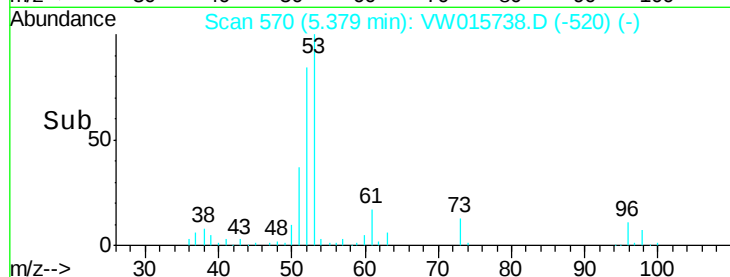
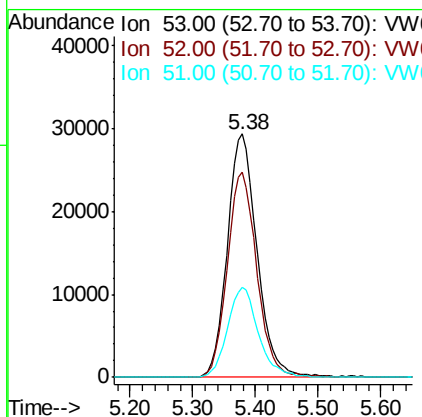
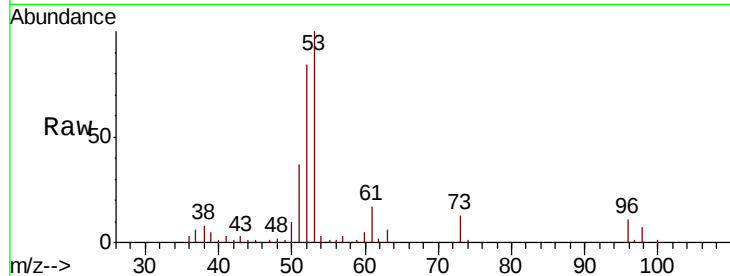
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	96351
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.8	98.6
51	38.3	30.7	46.1

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#16

Acetone

Concen: 275.584 ug/l

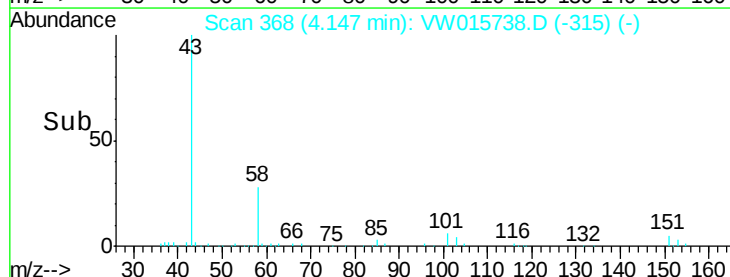
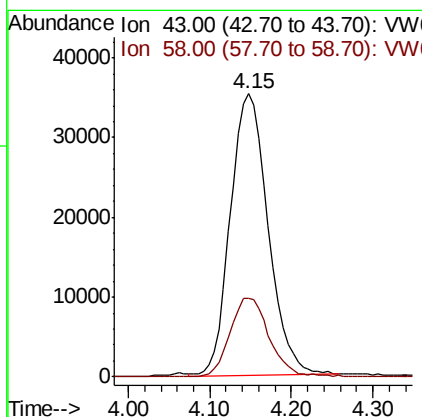
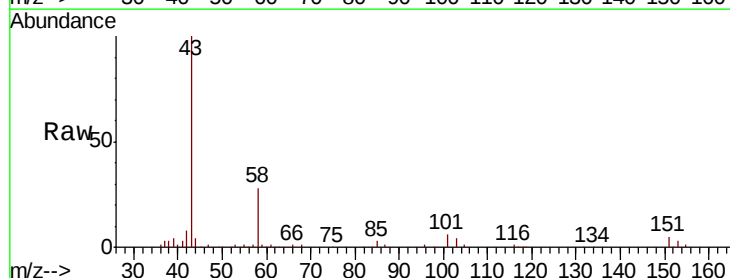
RT: 4.15 min Scan# 368

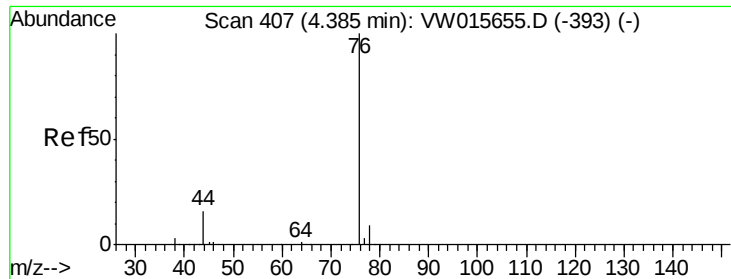
Delta R.T. 0.02 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion:	43	Resp:	113393
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.6	33.8





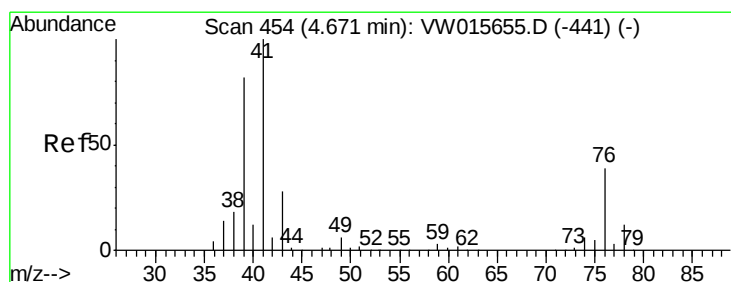
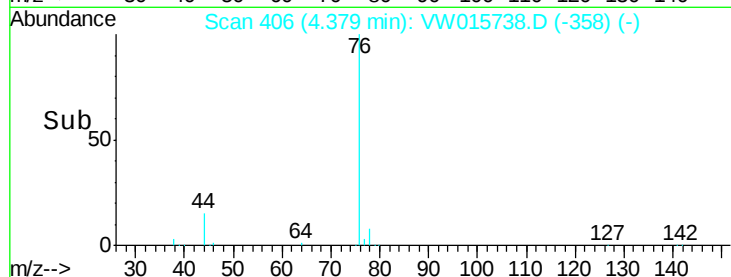
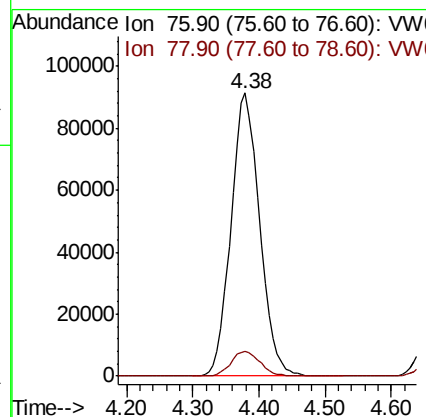
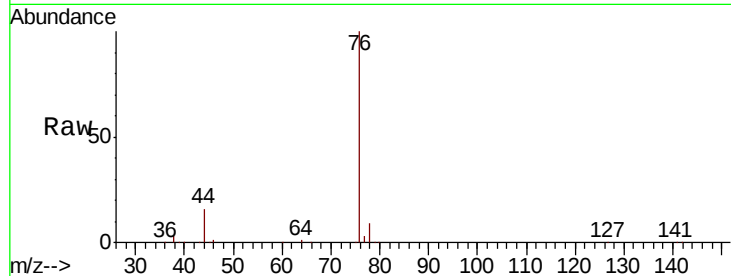
#17
Carbon Disulfide
Concen: 50.255 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

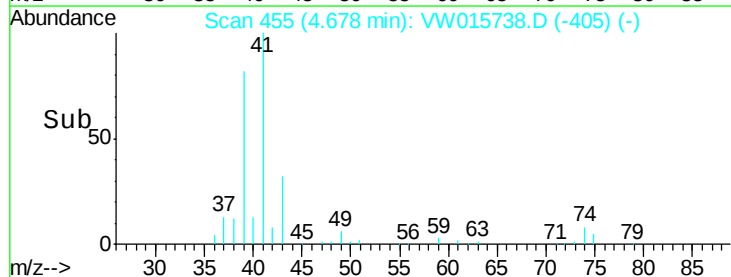
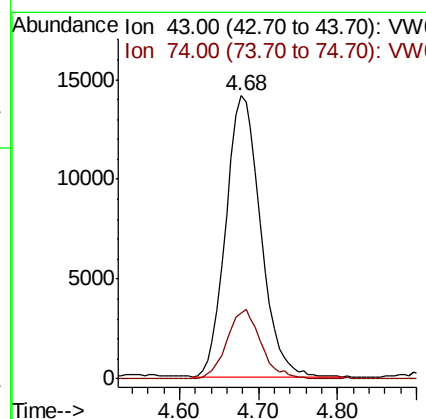
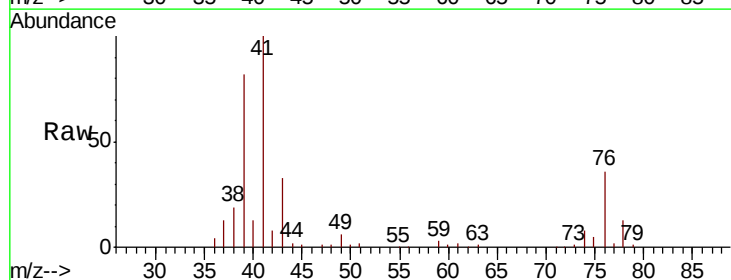
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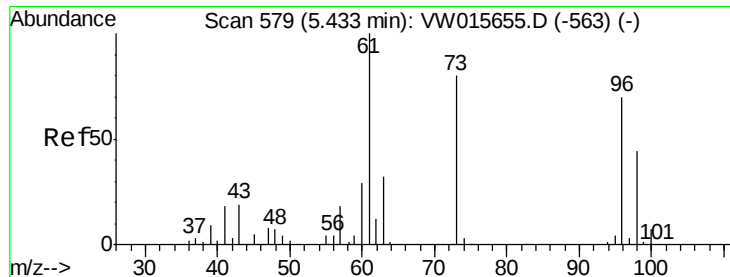
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#18
Methyl Acetate
Concen: 50.820 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.0	28.6





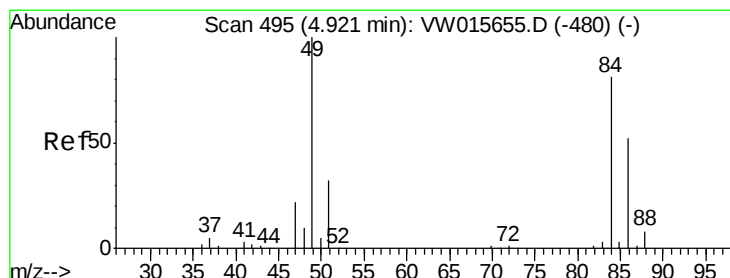
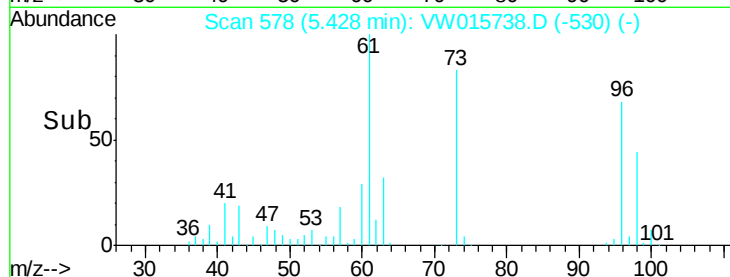
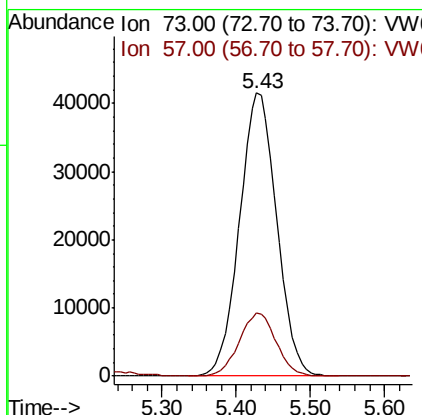
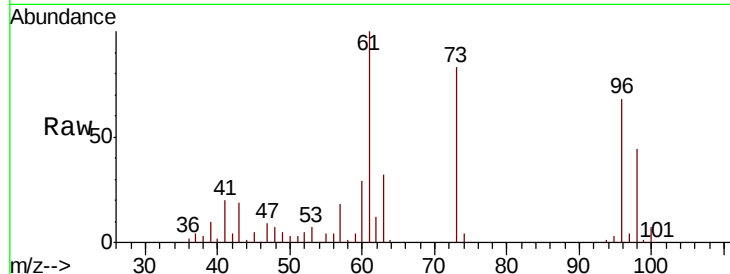
#19
Methyl tert-butyl Ether
Concen: 50.837 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 145181
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1

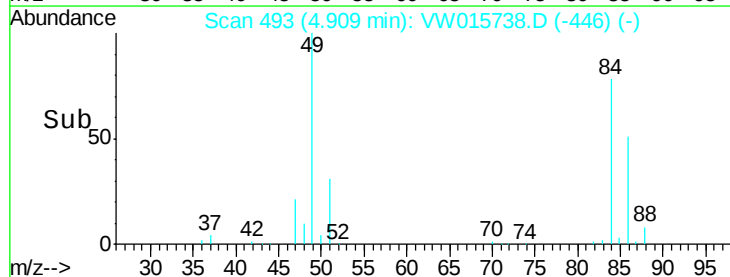
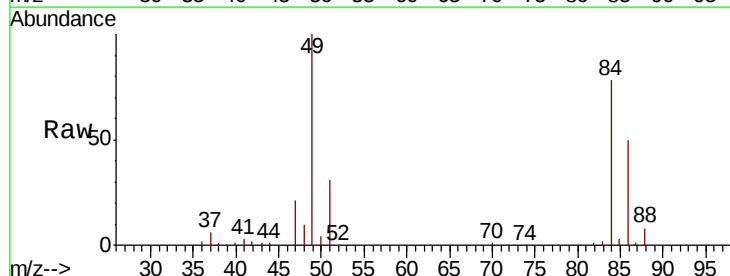
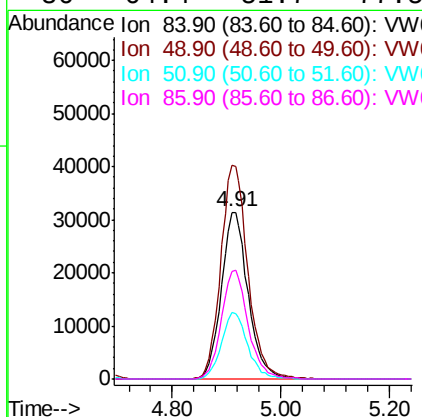
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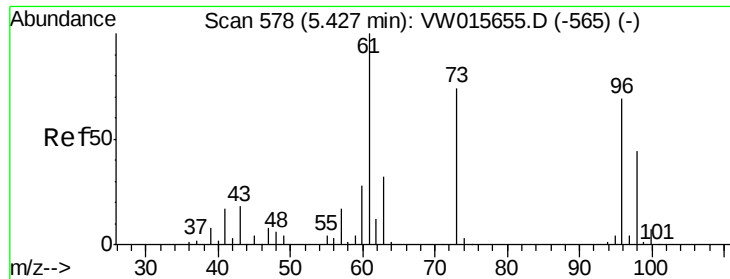
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#20
Methylene Chloride
Concen: 53.715 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion: 84 Resp: 107007
Ion Ratio Lower Upper
84 100
49 128.2 99.3 148.9
51 39.7 31.8 47.6
86 64.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 50.093 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 108983

Ion Ratio Lower Upper

96 100

61 143.7 116.2 174.2

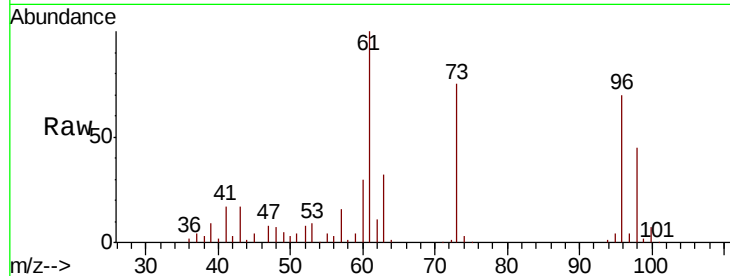
98 64.4 51.4 77.0

Manual Integrations

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6/29/2020 12:33:57 PM

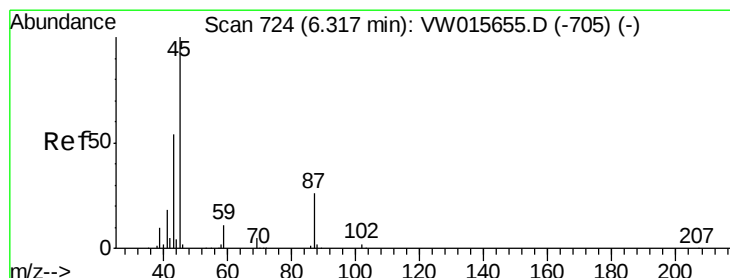
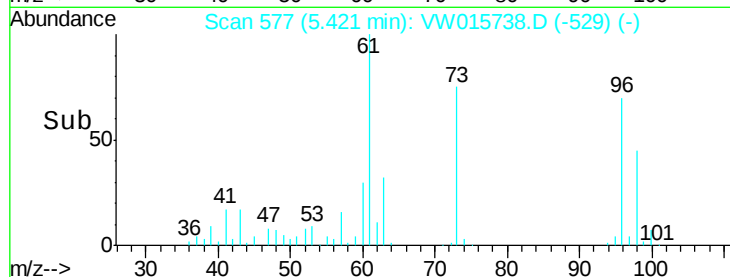
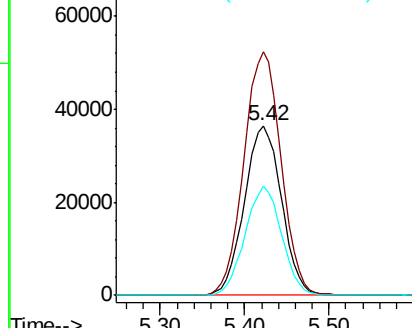


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.747 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion: 45 Resp: 310729

Ion Ratio Lower Upper

45 100

43 58.4 43.9 65.9

87 27.1 21.2 31.8

59 11.6 9.2 13.8

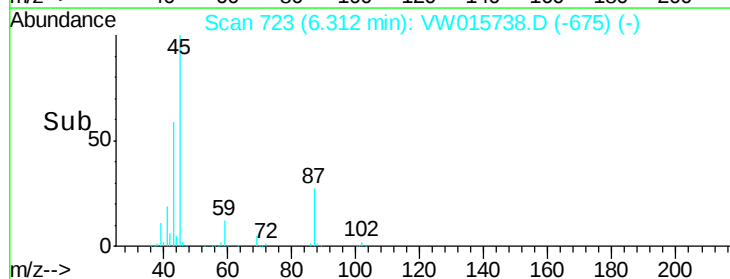
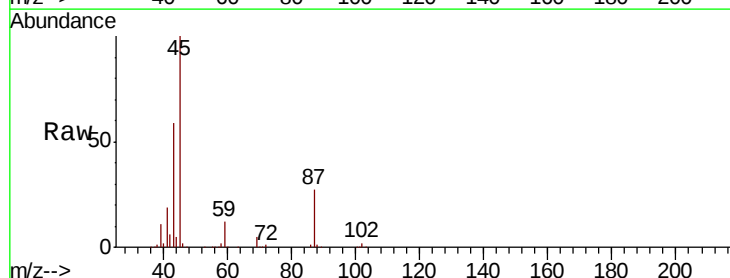
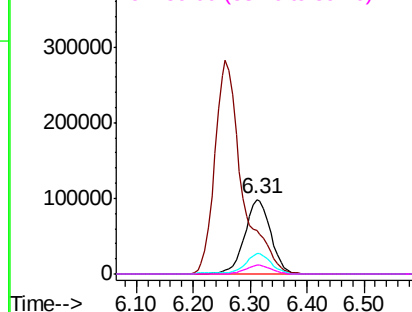
Abundance

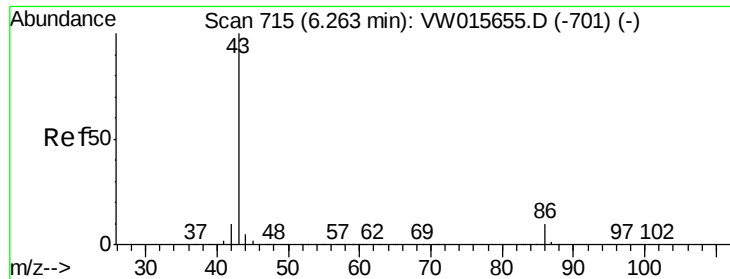
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





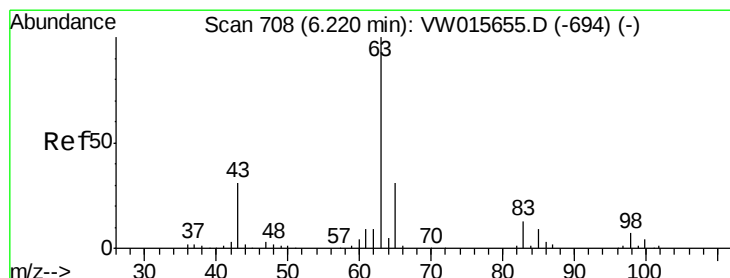
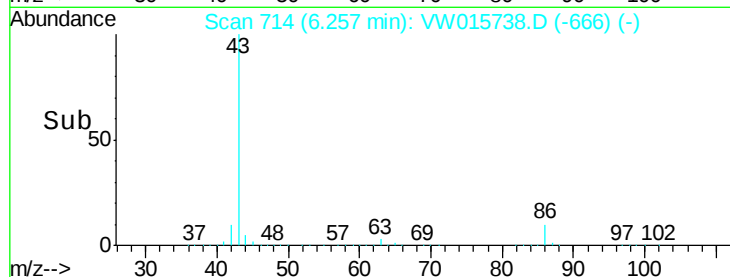
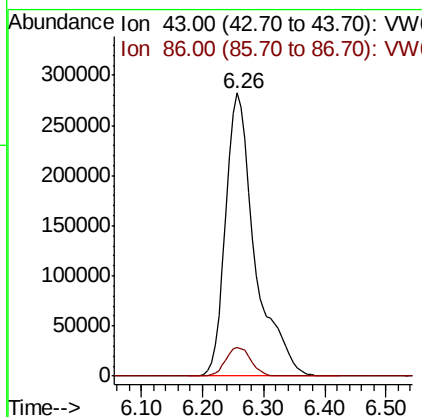
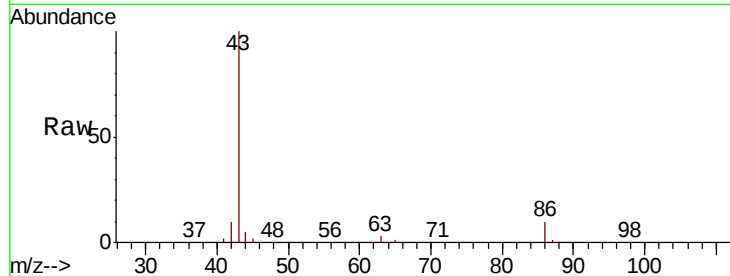
#23
 Vinyl Acetate
 Concen: 261.096 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	932299
Ion Ratio	Lower	Upper	
43	100		
86	10.0	8.3	12.5

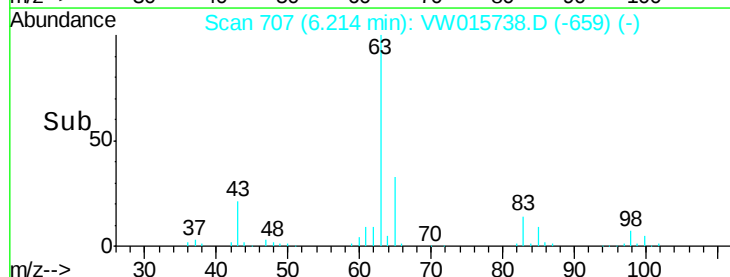
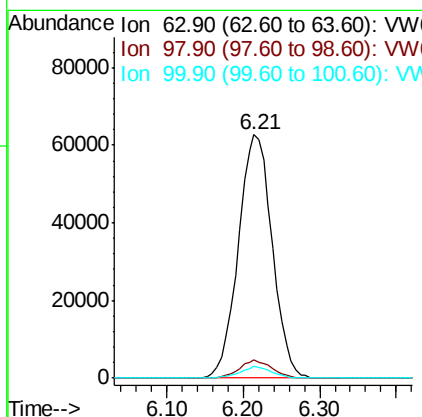
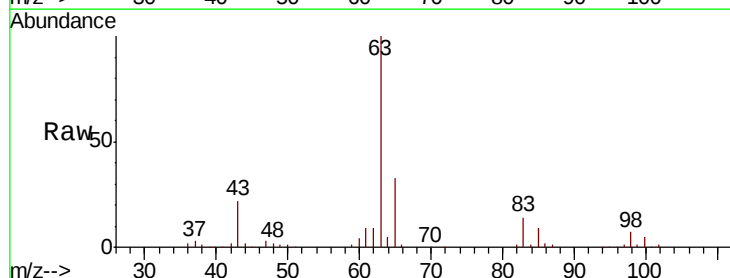
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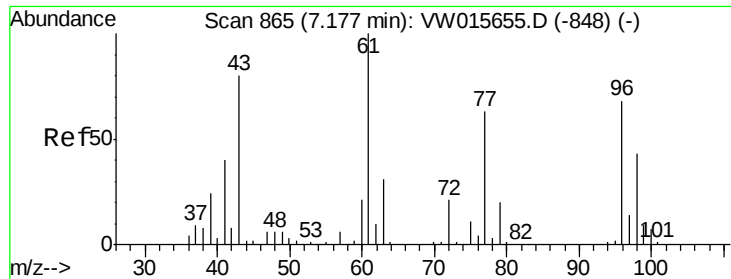
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#24
 1,1-Dichloroethane
 Concen: 49.880 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion	63	Resp	192253
Ion Ratio	Lower	Upper	
63	100		
98	7.3	3.5	10.5
100	5.0	2.1	6.3





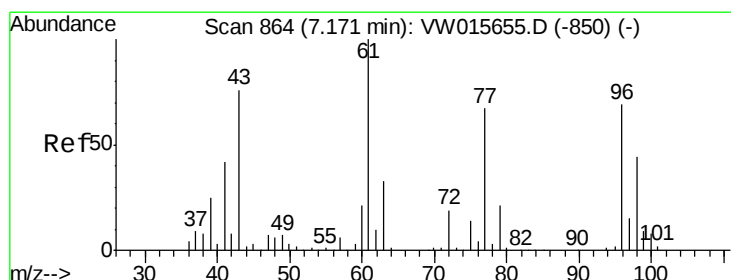
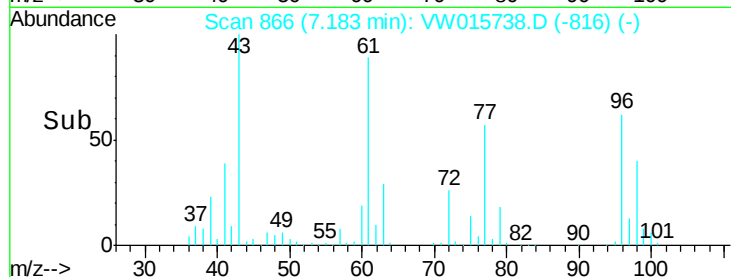
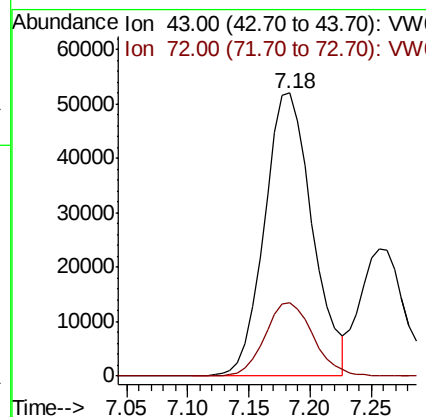
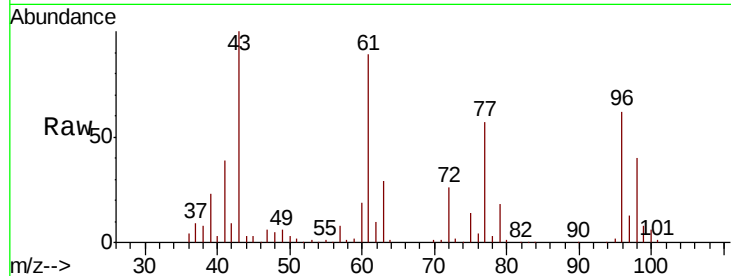
#25
 2-Butanone
 Concen: 254.748 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 141667
 Ion Ratio Lower Upper
 43 100
 72 26.2 21.1 31.7

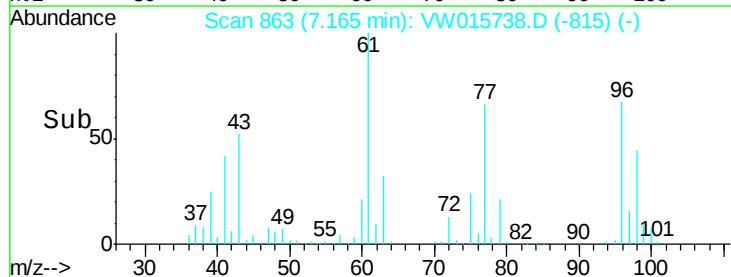
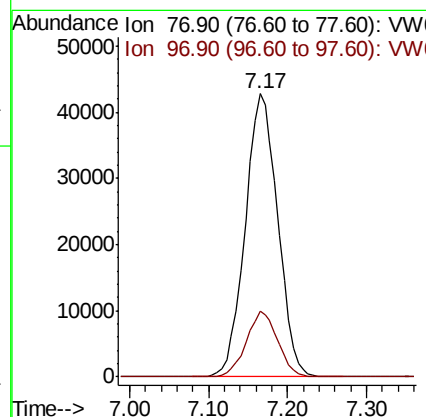
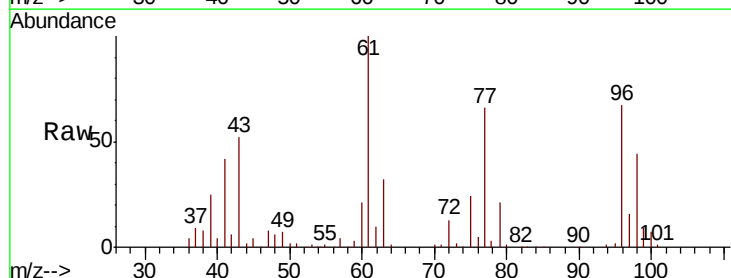
Manual Integrations
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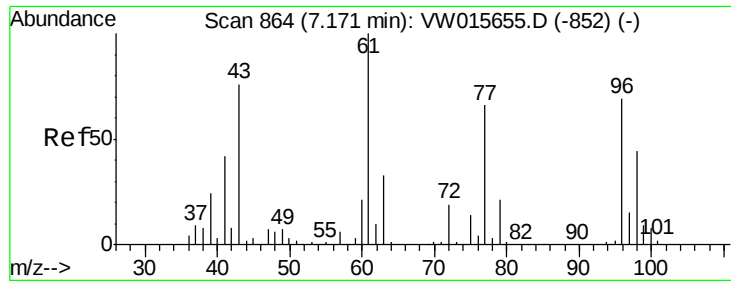
MMDadoda
 6/29/2020 12:33:57 PM



#26
 2,2-Dichloropropane
 Concen: 47.316 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion: 77 Resp: 122319
 Ion Ratio Lower Upper
 77 100
 97 22.4 11.2 33.5





#27

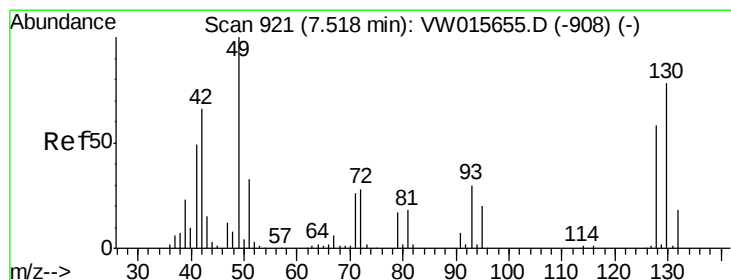
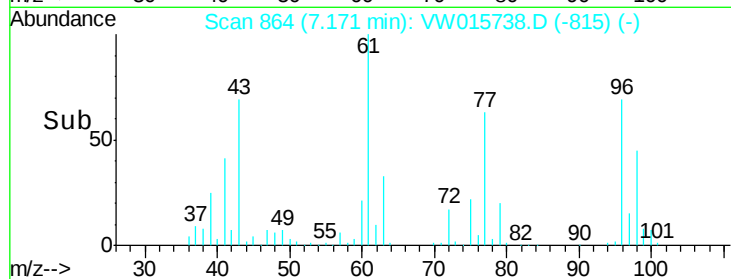
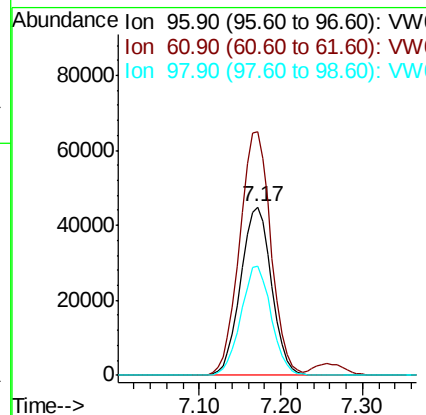
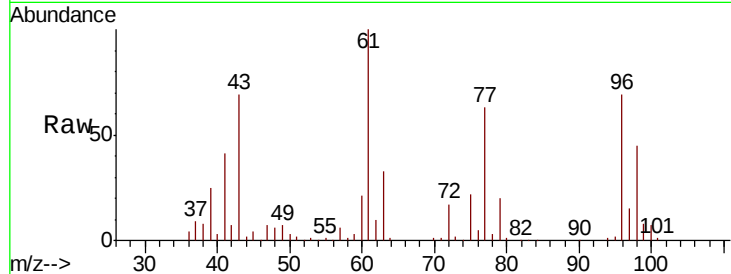
cis-1,2-Dichloroethene
Concen: 50.370 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117886		
61	146.4	0.0	296.8	
98	63.4	0.0	128.0	

Manual Integrations
APPROVED

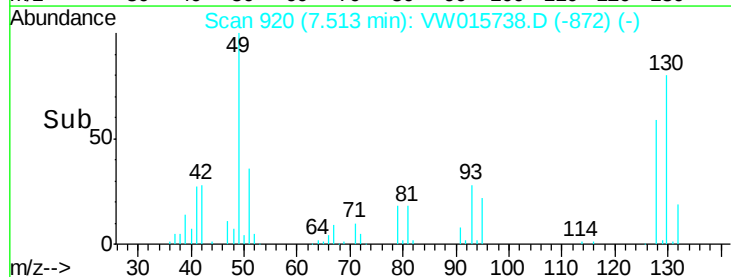
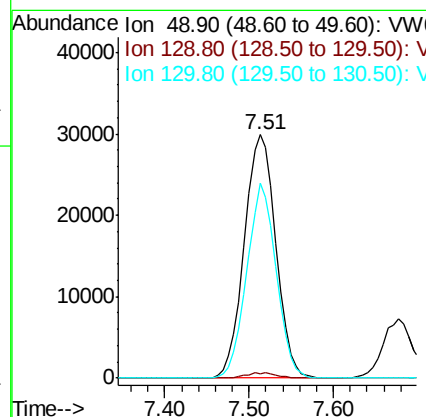
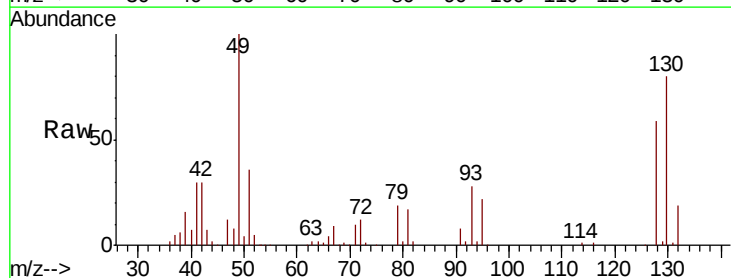
MMDadoda
6/29/2020 12:33:57 PM



#28

Bromochloromethane
Concen: 51.066 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75710		
129	2.1	0.0	2.2	
130	74.7	61.0	91.4	





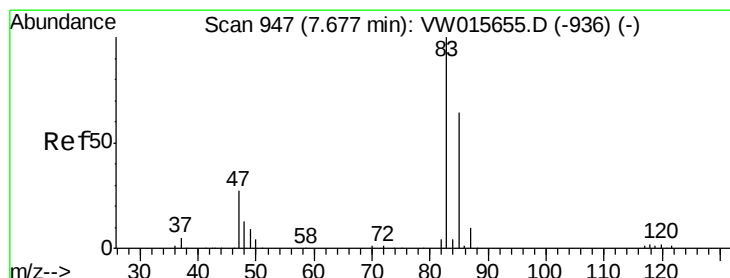
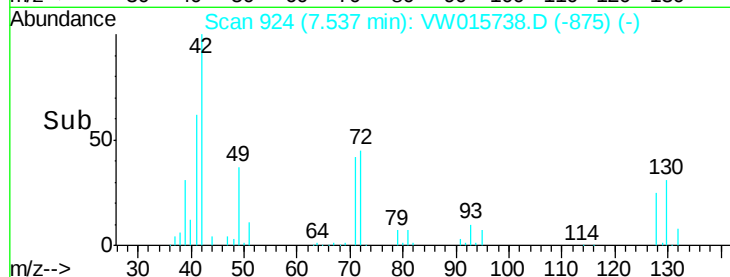
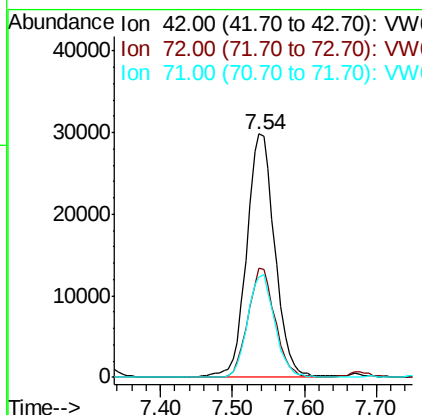
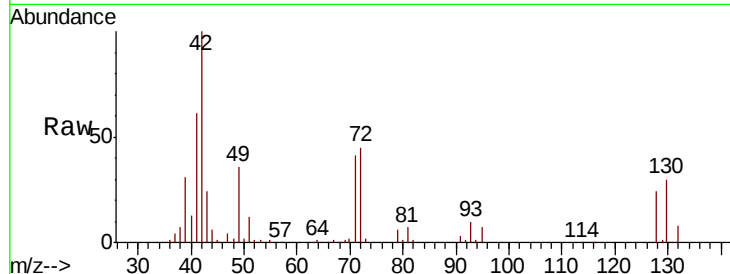
#29
Tetrahydrofuran
Concen: 247.418 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	35.0	52.6
71	40.7	32.6	49.0

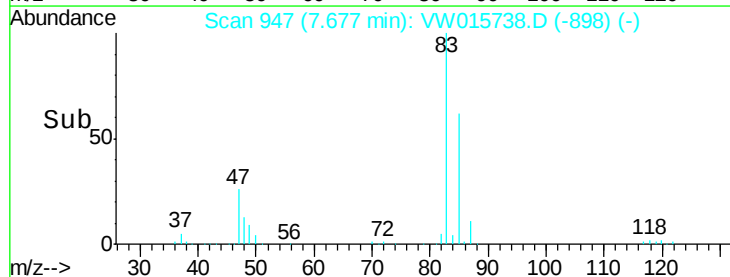
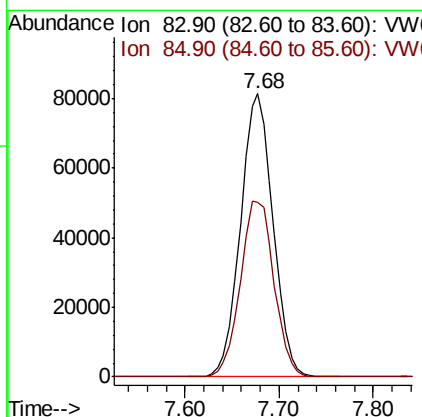
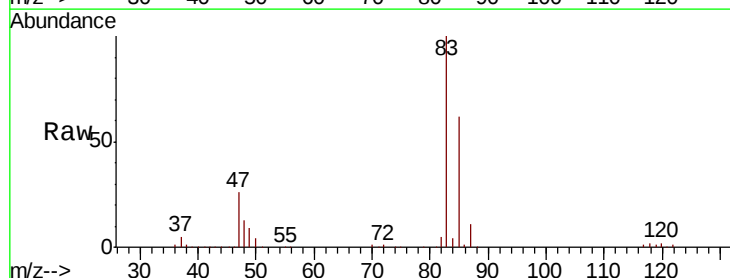
Manual Integrations
APPROVED

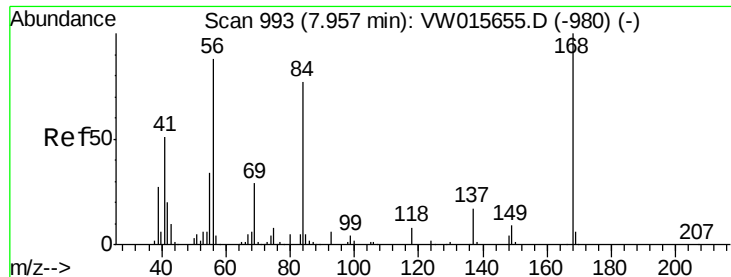
MMDadoda
6/29/2020 12:33:57 PM



#30
Chloroform
Concen: 49.579 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.4





#31

Cyclohexane

Concen: 48.066 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

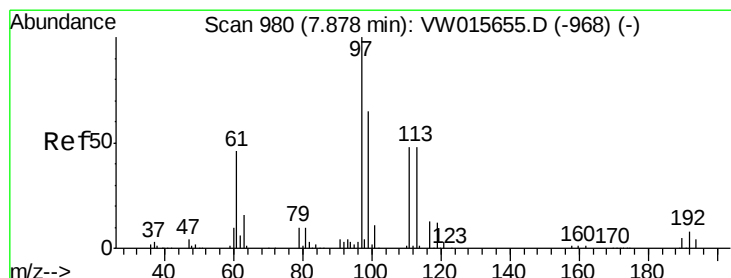
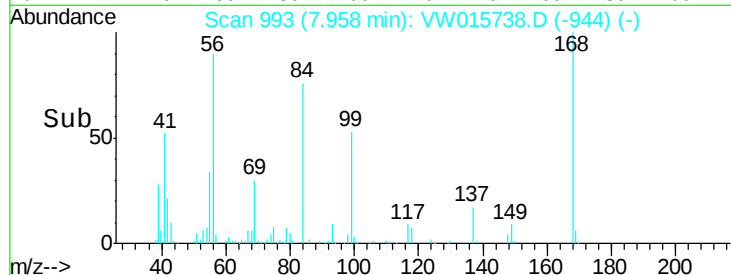
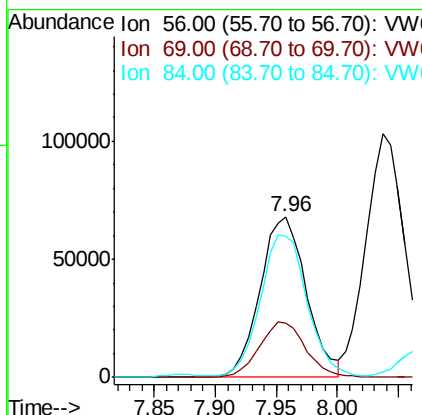
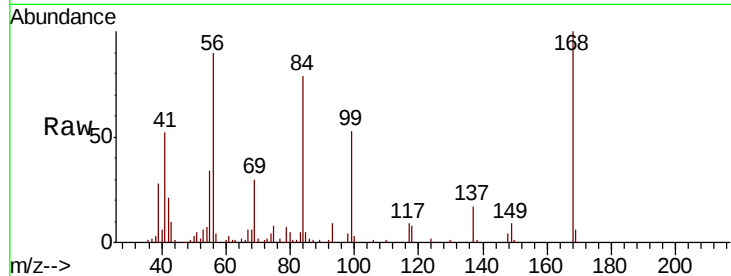
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	179209
Ion Ratio	Lower	Upper	
56	100		
69	33.8	26.2	39.4
84	86.5	70.4	105.6

Manual Integrations
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6/29/2020 12:33:57 PM



#32

1,1,1-Trichloroethane

Concen: 49.802 ug/l

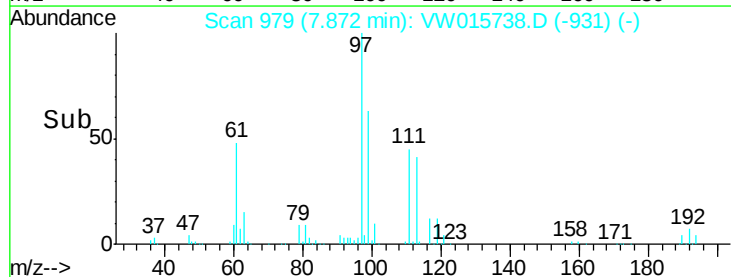
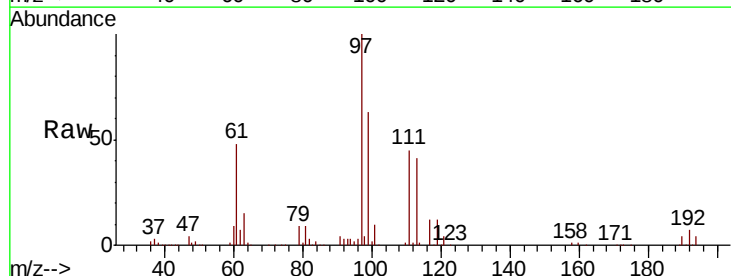
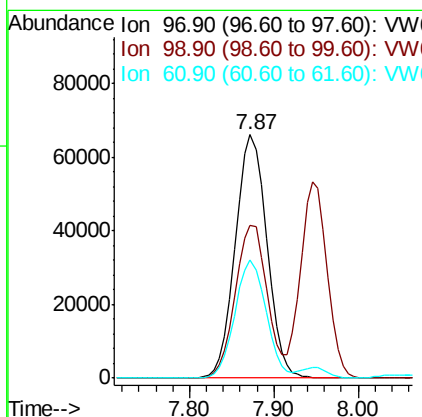
RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion:	97	Resp:	167808
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.9	77.9
61	48.1	37.3	55.9





#33

1,2-Dichloroethane-d4

Concen: 48.713 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 105436

Ion Ratio Lower Upper

65 100

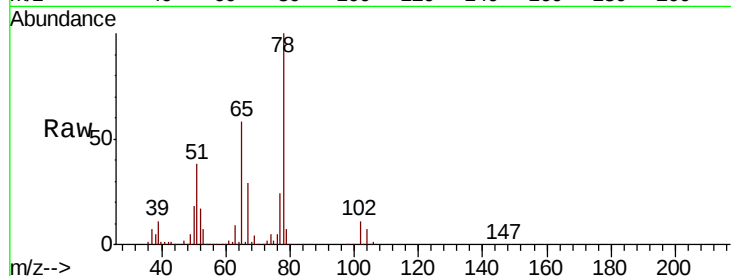
67 50.7 0.0 102.2

Manual Integrations

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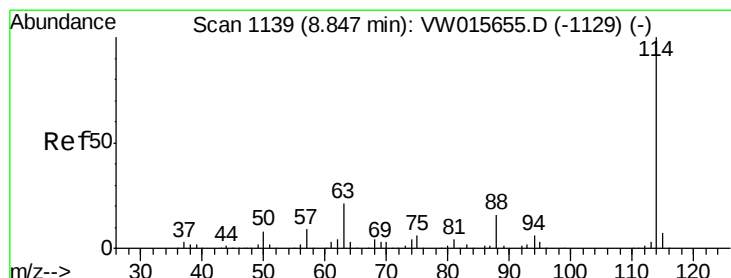
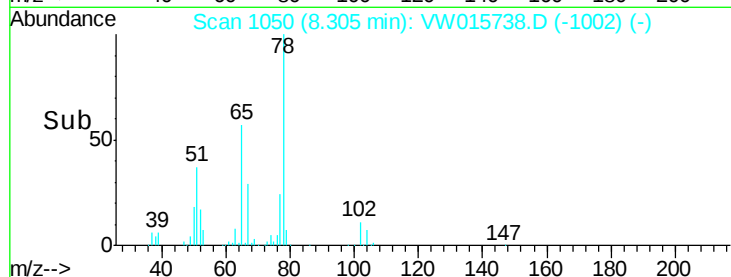
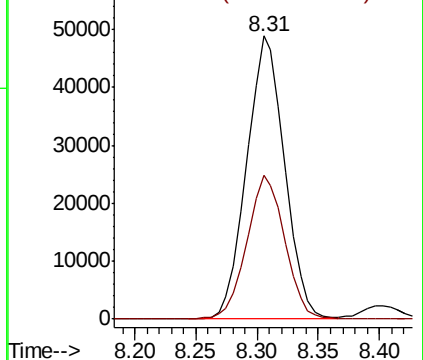
MMDadoda

6/29/2020 12:33:57 PM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

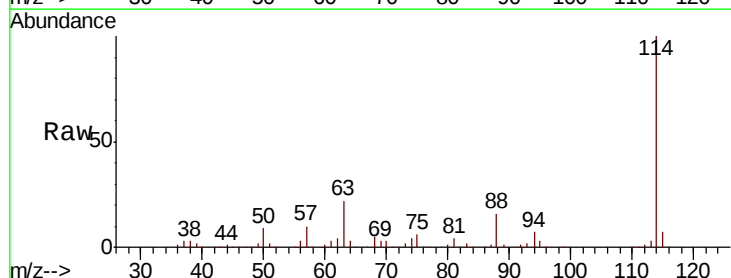
Tgt Ion: 114 Resp: 302078

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

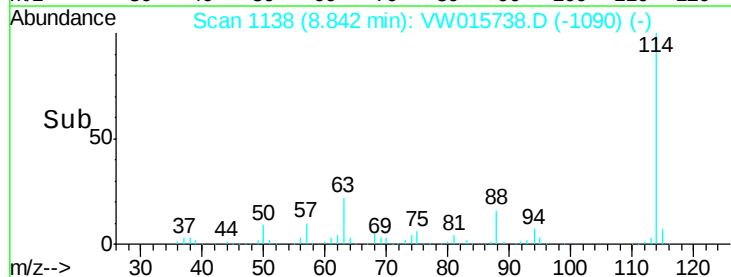
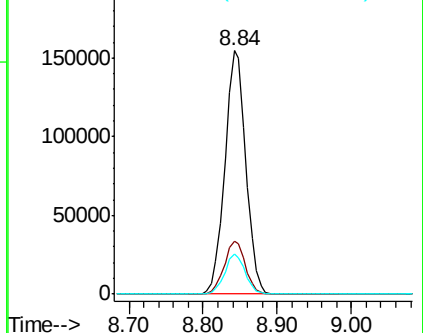
88 16.3 0.0 32.6

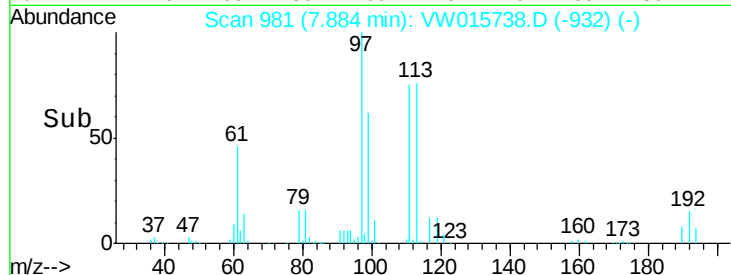
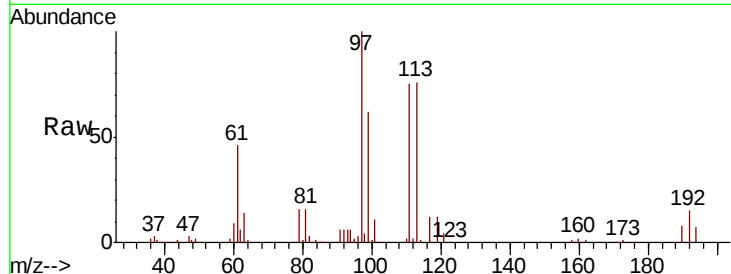
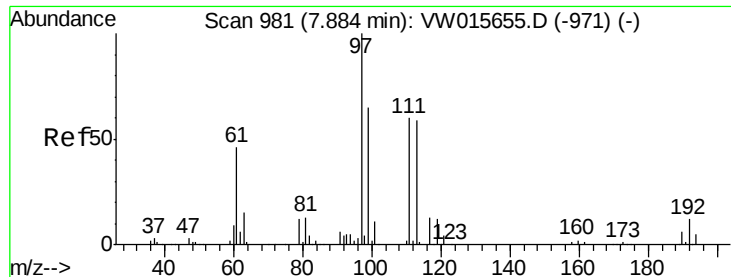


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





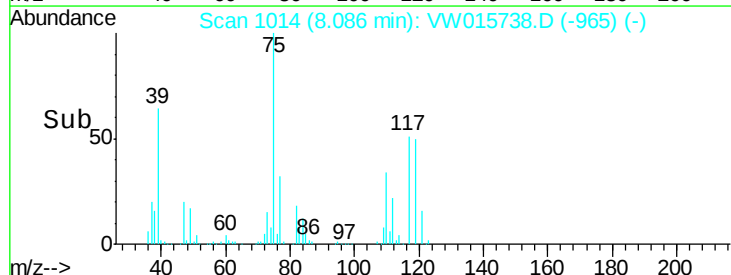
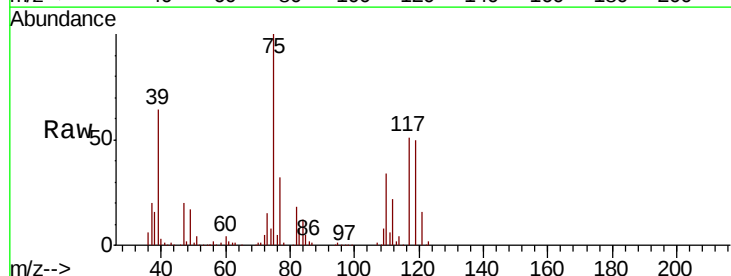
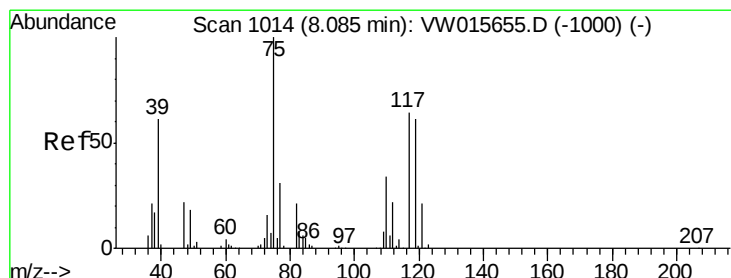
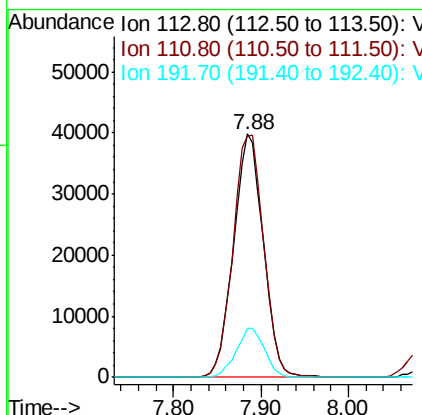
#35
Dibromofluoromethane
Concen: 49.463 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tot Ion	Ratio	Resp	Lower	Upper
113	100	93988		
111	103.2	82.3	123.5	
192	19.5	16.4	24.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

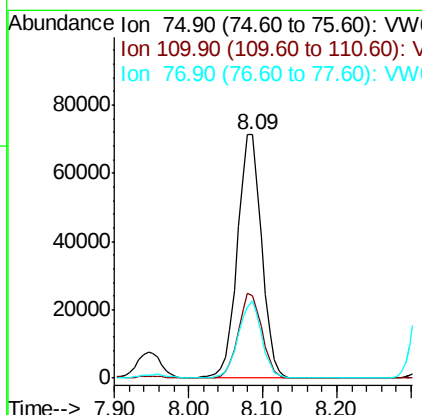
Manual Integrations
APPROVED

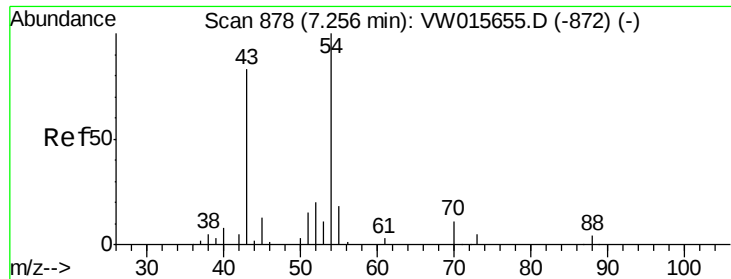
MMDadoda
6/29/2020 12:33:57 PM



#36
1,1-Dichloropropene
Concen: 51.906 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	163083		
110	33.9	17.0	51.0	
77	31.0	24.6	36.8	





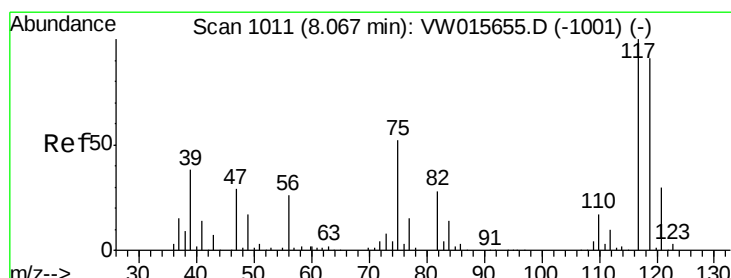
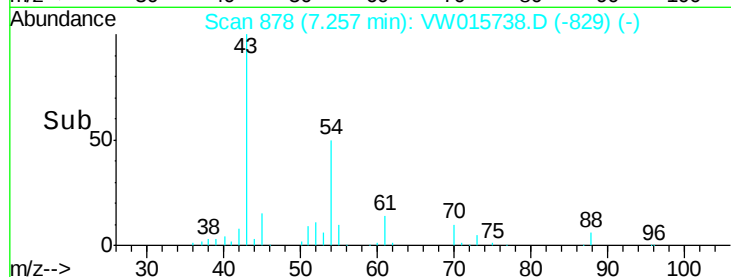
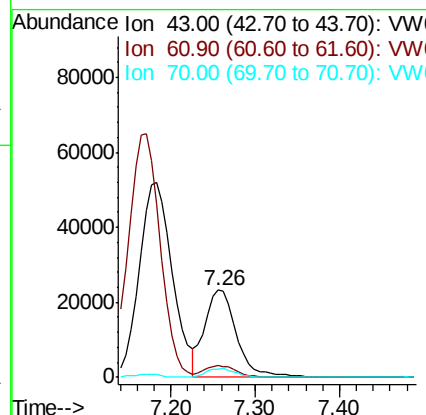
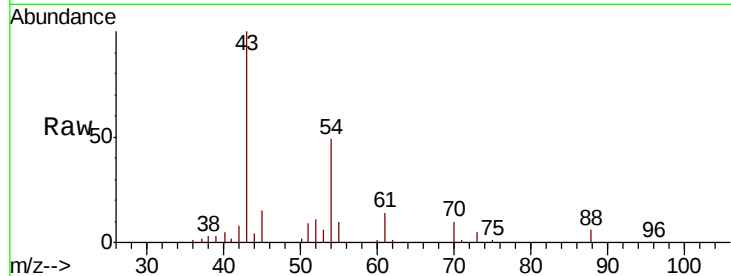
#37
Ethyl Acetate
Concen: 50.634 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.4	15.6
70	9.8	8.4	12.6

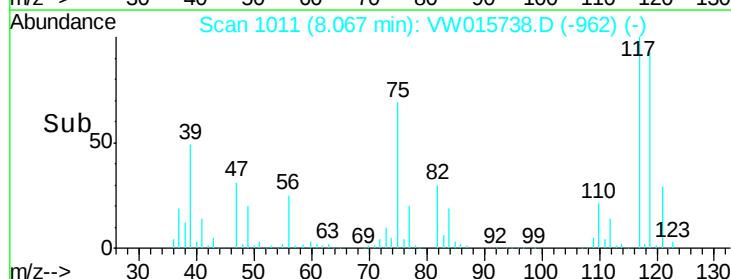
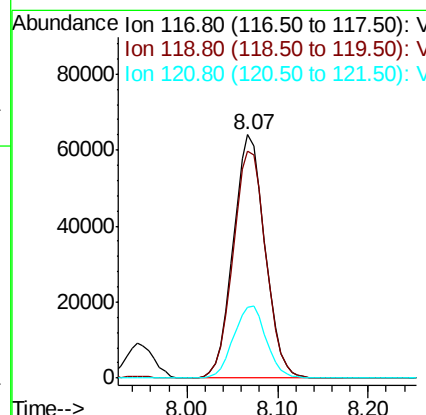
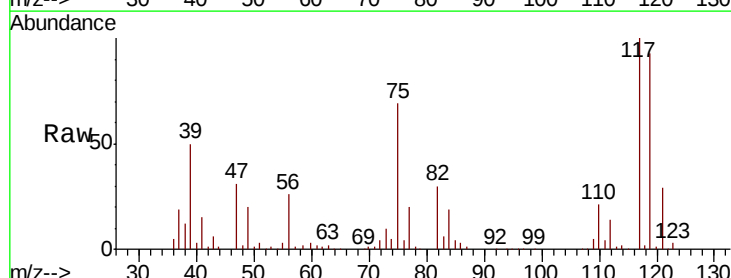
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 51.030 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.2	109.8
121	29.2	23.9	35.9





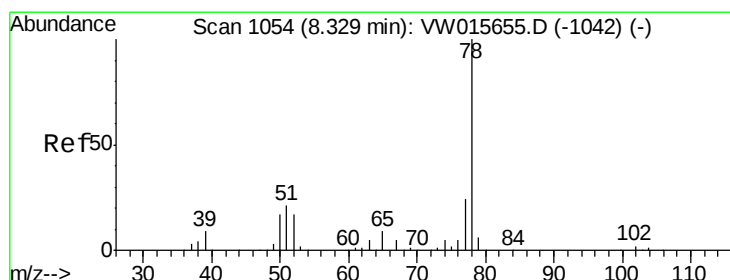
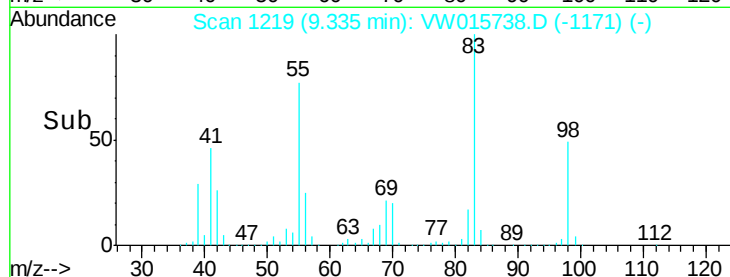
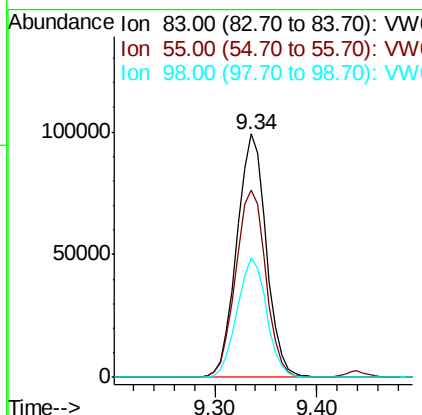
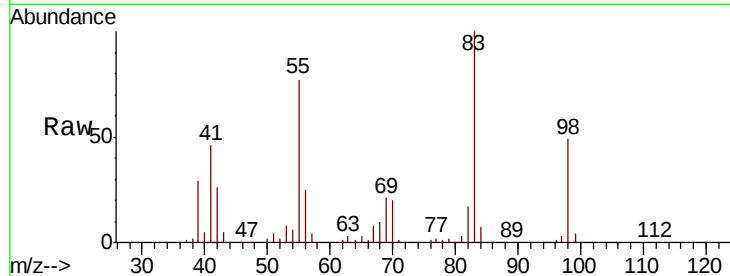
#39
Methvlcvclohexane
Concen: 52.049 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	198077		
55	77.2	62.8	94.2	
98	49.2	39.9	59.9	

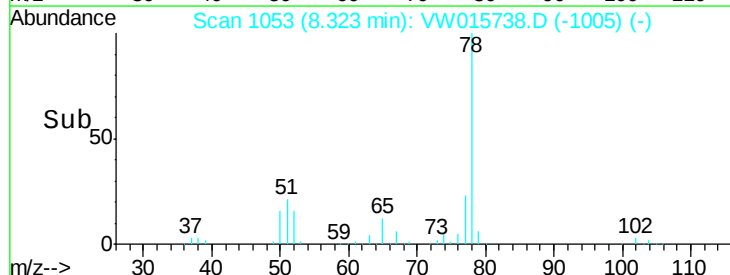
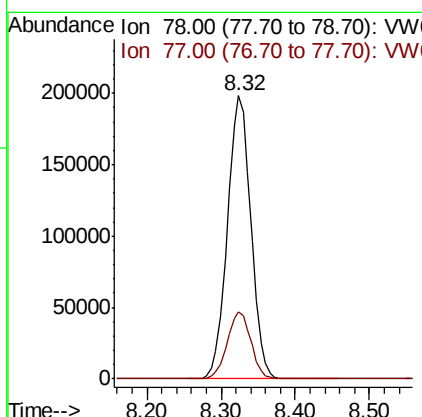
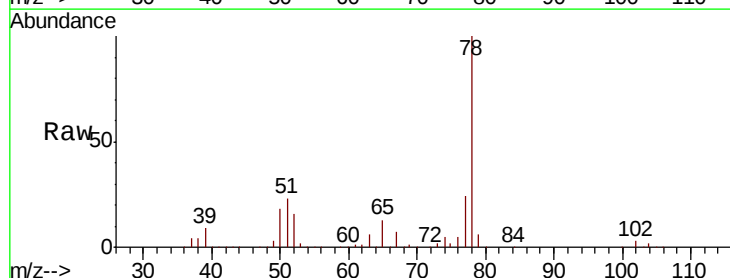
Manual Integrations
APPROVED

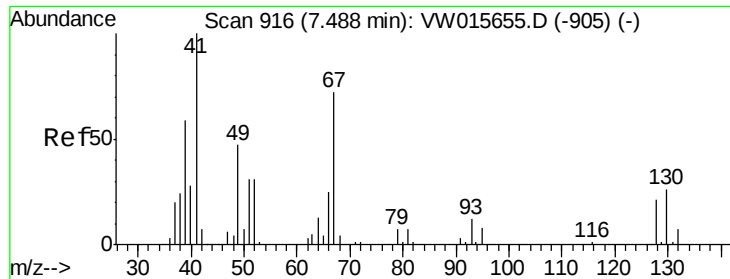
MMDadoda
6/29/2020 12:33:57 PM



#40
Benzene
Concen: 51.036 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	436009		
77	23.6	19.3	28.9	





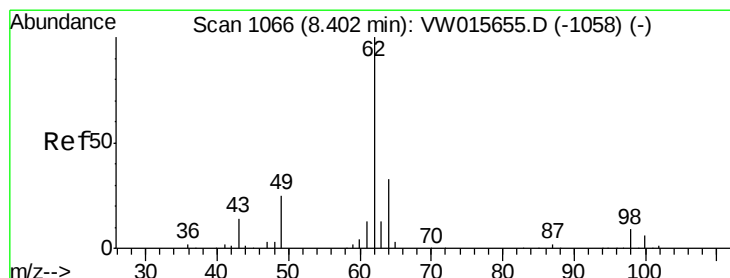
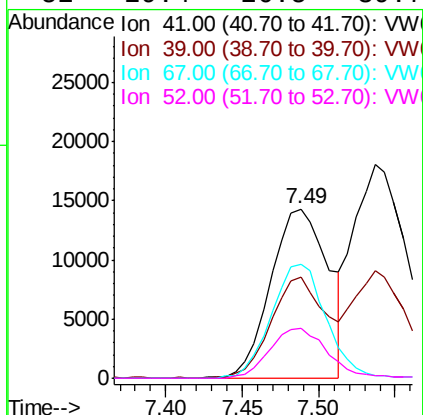
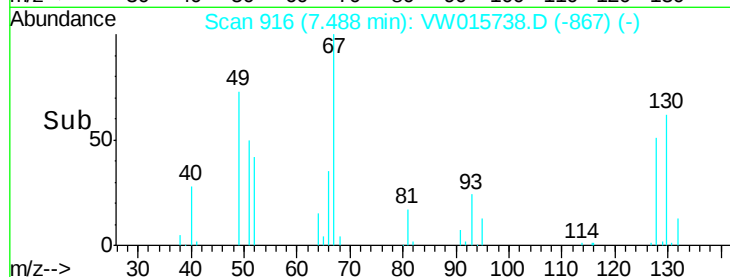
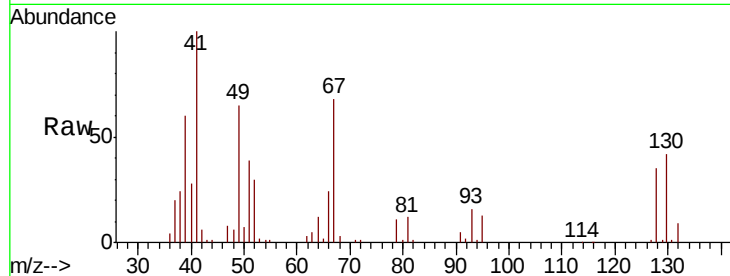
#41
Methacrylonitrile
Concen: 54.601 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.0	52.0	78.0
67	64.2	57.5	86.3
52	29.4	26.5	39.7

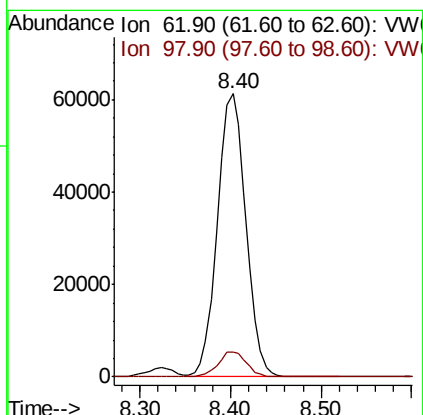
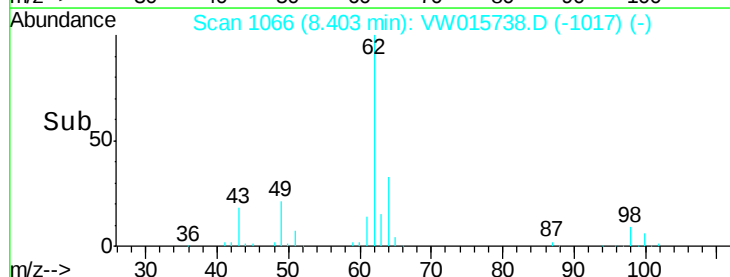
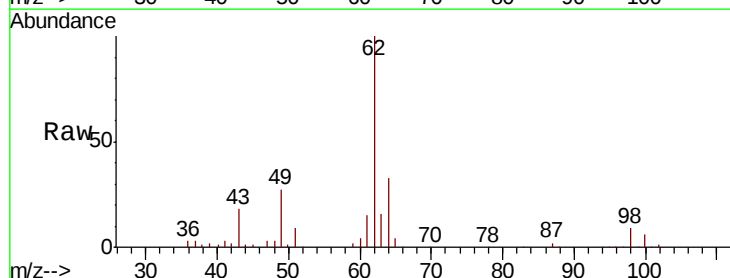
Manual Integrations
APPROVED

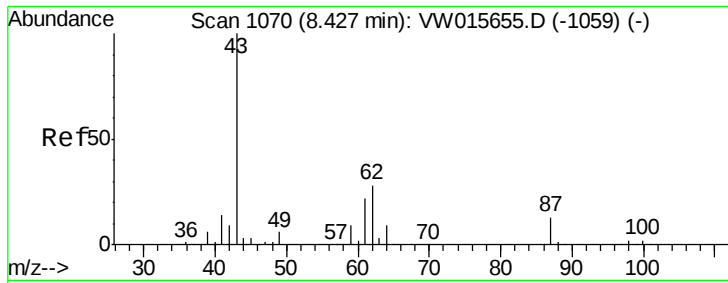
MMDadoda
6/29/2020 12:33:57 PM



#42
1,2-Dichloroethane
Concen: 50.897 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 50.555 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

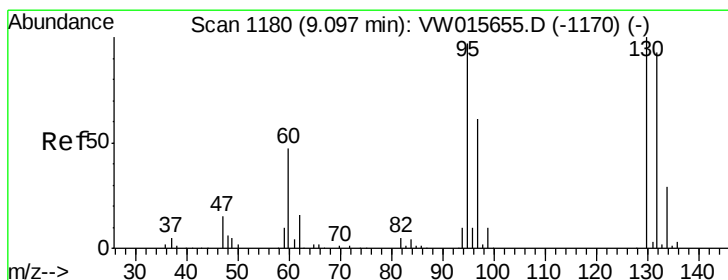
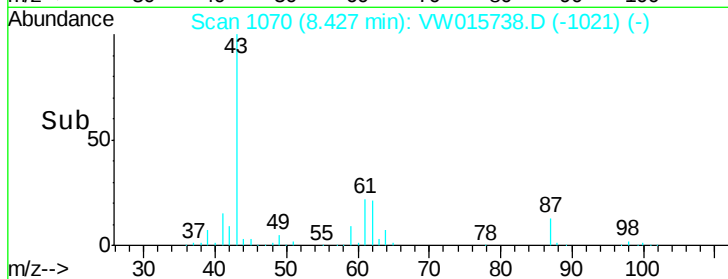
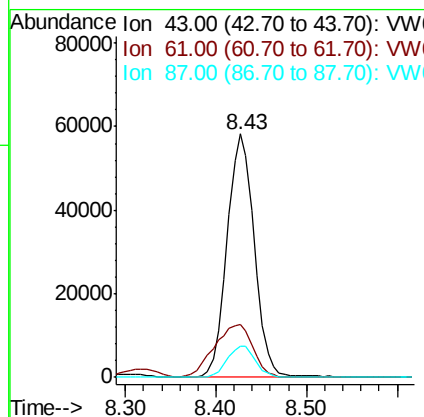
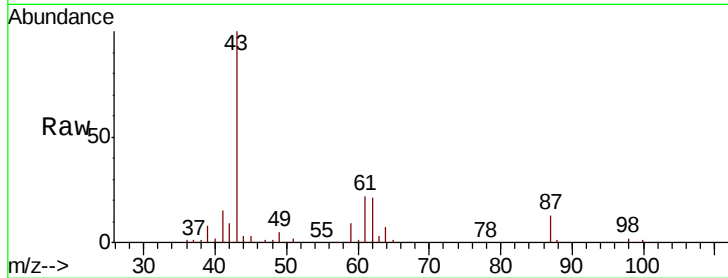
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	121029
Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.7	37.1
87	13.0	10.2	15.2

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#44

Trichloroethene

Concen: 50.361 ug/l

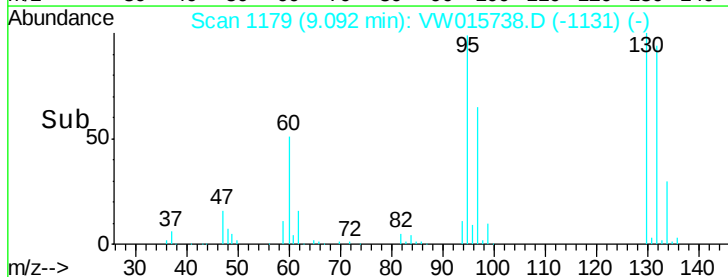
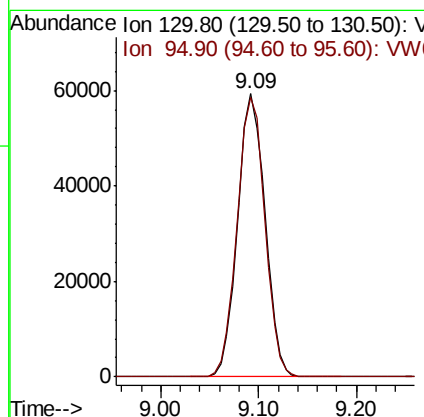
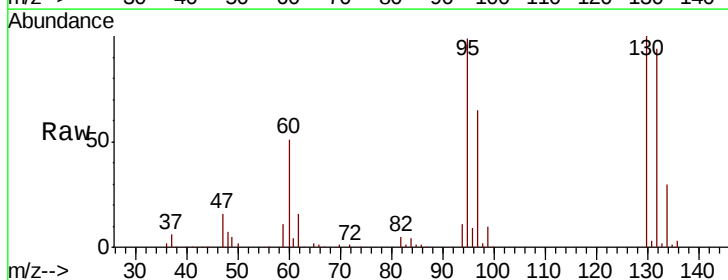
RT: 9.09 min Scan# 1179

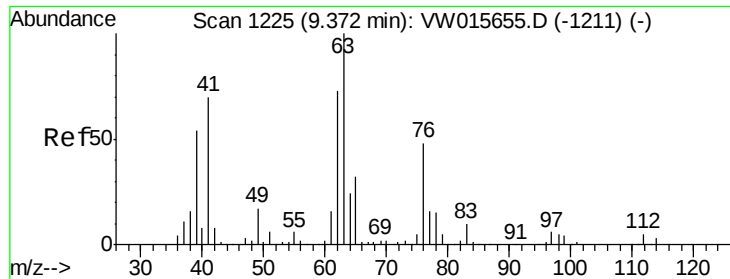
Delta R.T. -0.01 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion:	130	Resp:	115966
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	194.4





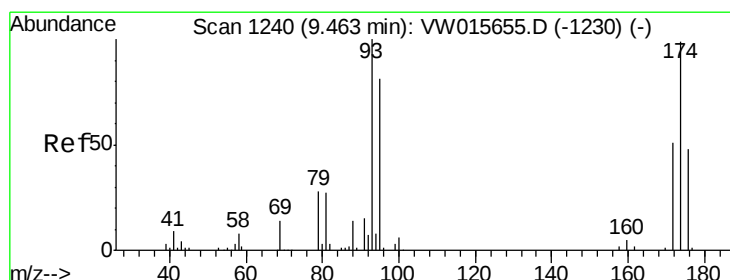
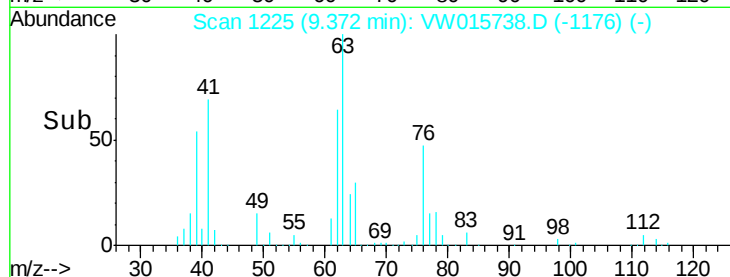
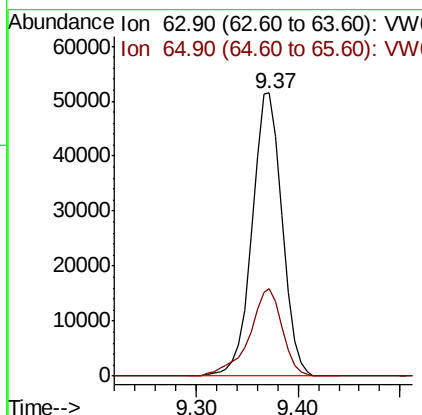
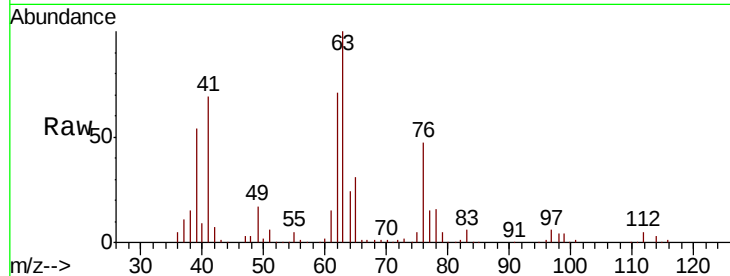
#45
 1,2-Dichloropropane
 Concen: 50.701 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 105873
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.3 37.9

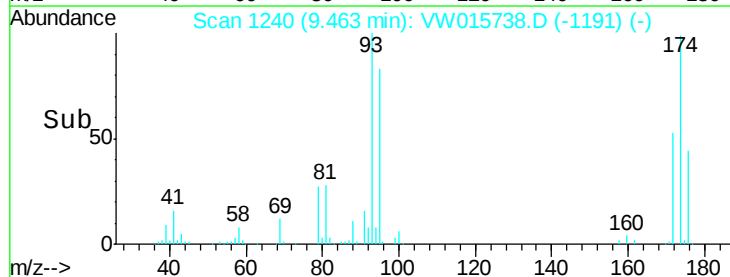
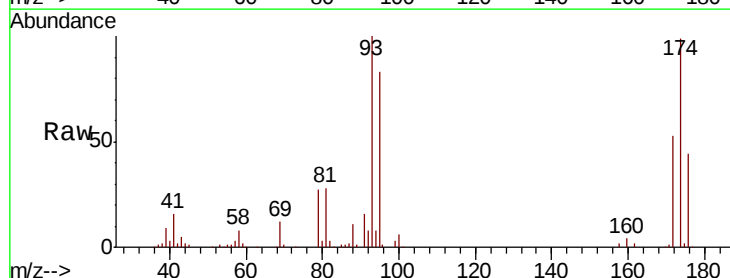
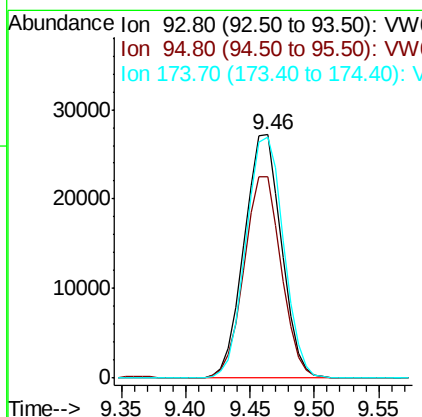
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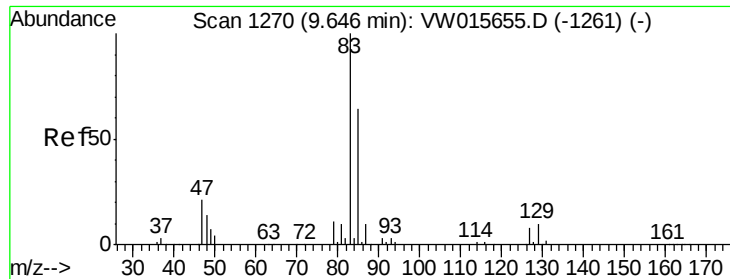
MMDadoda
 6/29/2020 12:33:57 PM



#46
 Dibromomethane
 Concen: 50.282 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion: 93 Resp: 54326
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.7 98.5
 174 100.5 79.0 118.6





#47

Bromodichloromethane

Concen: 50.807 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

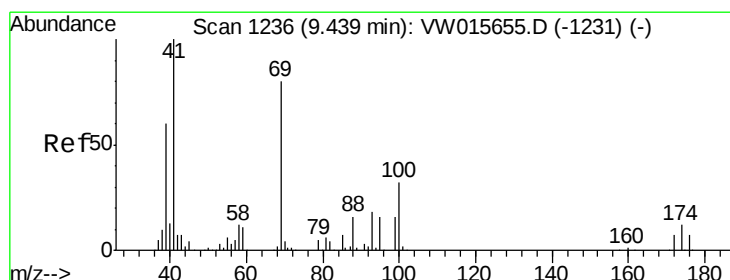
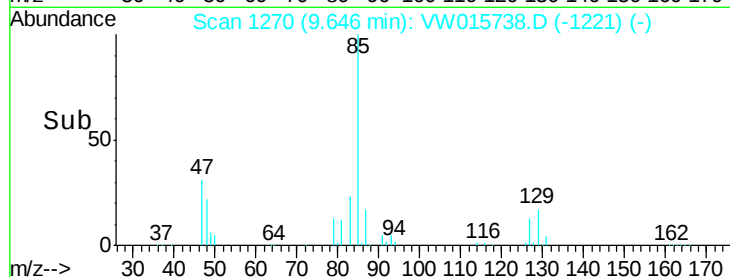
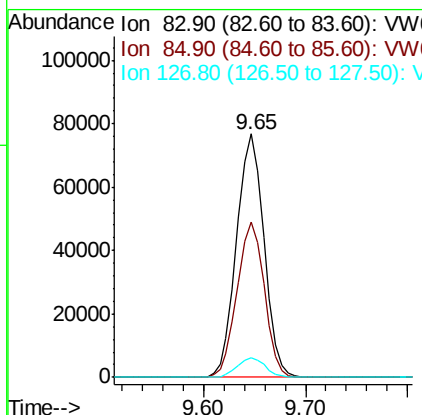
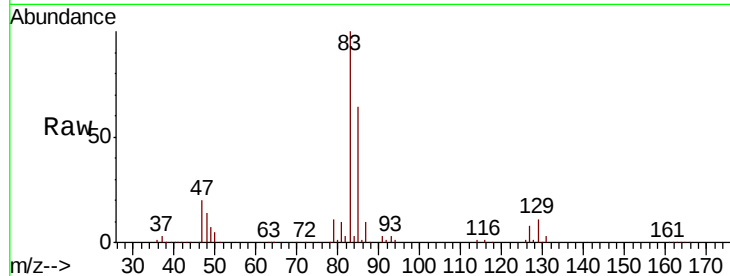
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	143185
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.8	76.2
127	8.1	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.528 ug/l

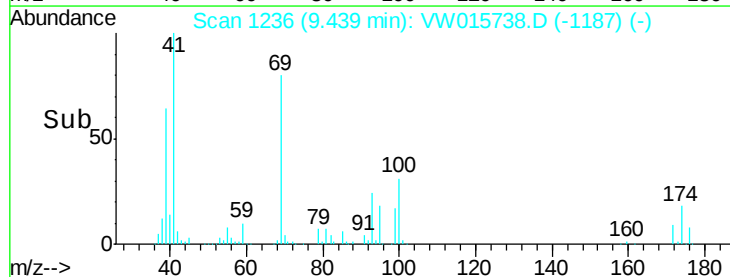
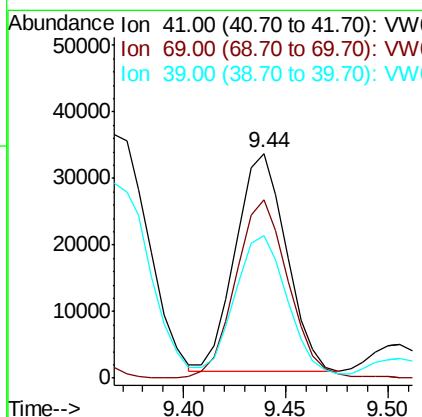
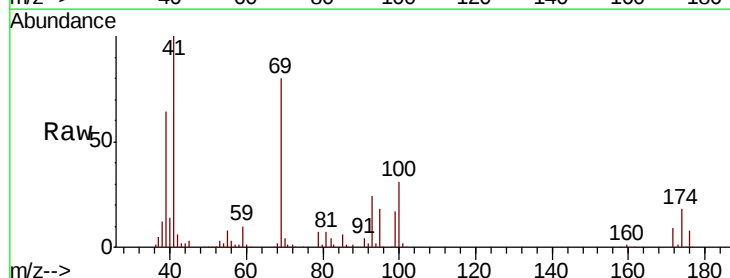
RT: 9.44 min Scan# 1236

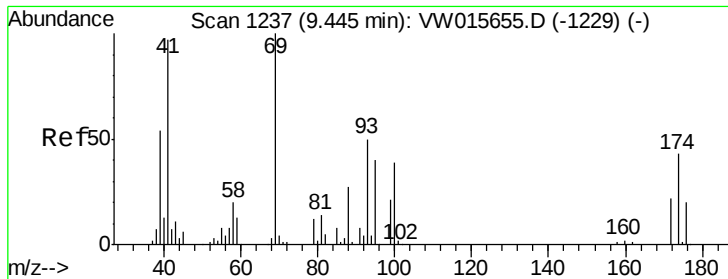
Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion:	41	Resp:	56398
Ion Ratio	Lower	Upper	
41	100		
69	86.0	68.2	102.2
39	64.2	49.8	74.6





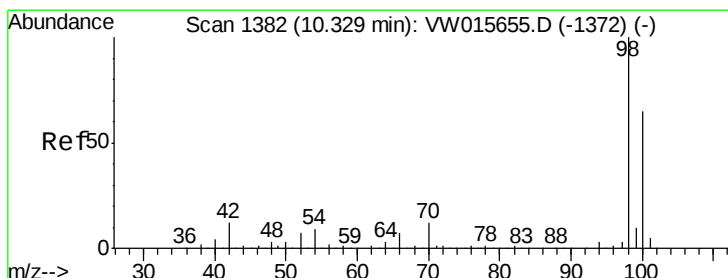
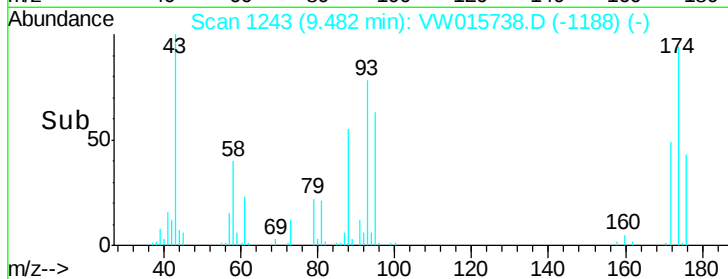
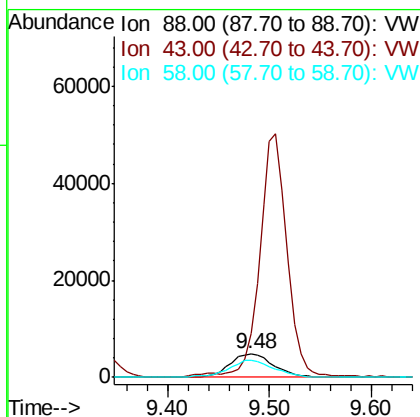
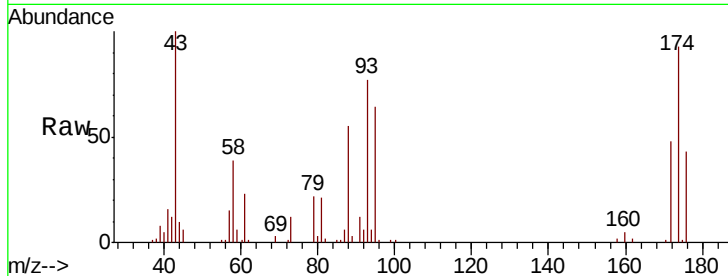
#49
1,4-Dioxane
Concen: 1006.183 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.04 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	75.3	56.1	84.1

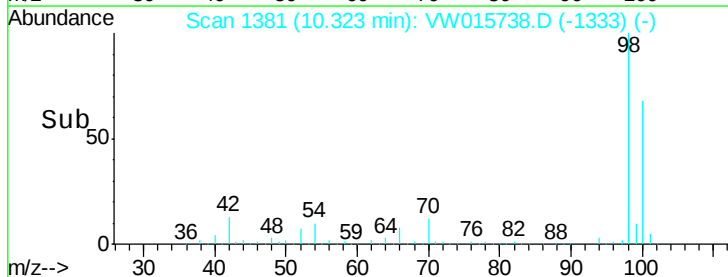
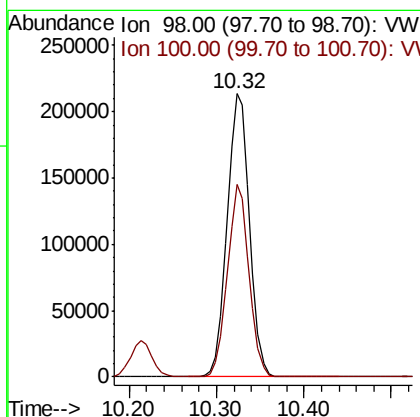
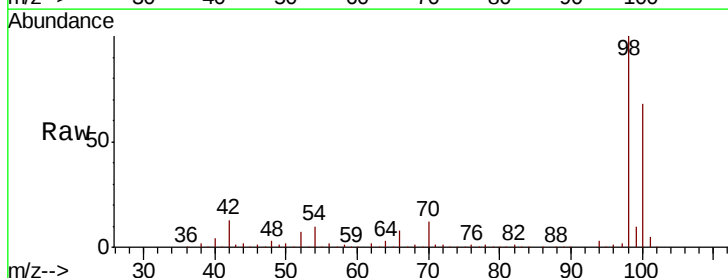
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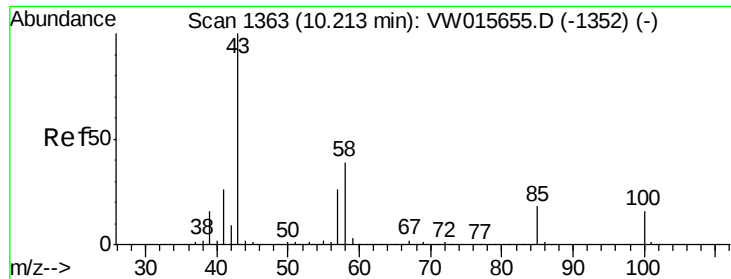
MMDadoda
6/29/2020 12:33:57 PM



#50
Toluene-d8
Concen: 50.338 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 257.331 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 297091

Ion Ratio Lower Upper

43 100

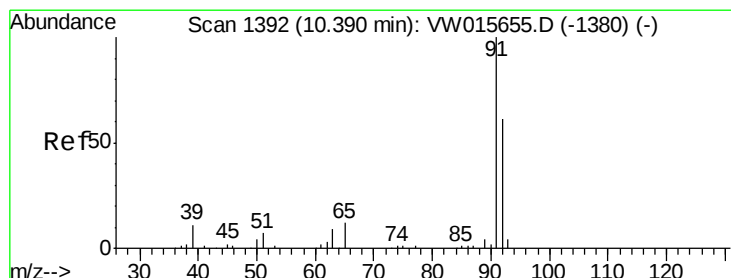
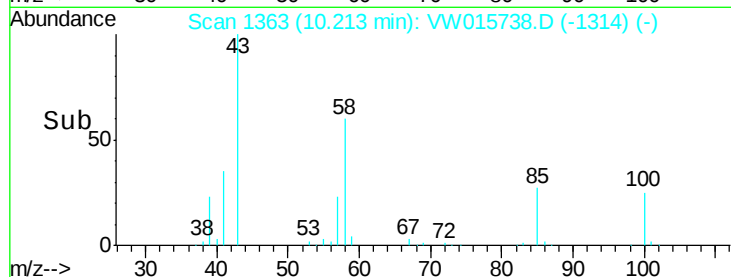
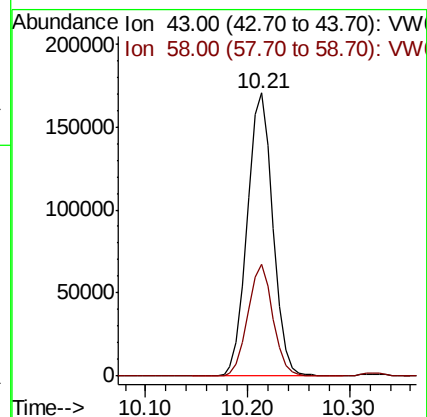
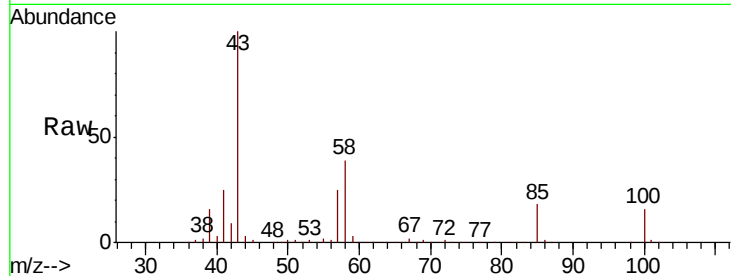
58 38.5 31.2 46.8

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6/29/2020 12:33:57 PM



#52

Toluene

Concen: 51.974 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015738.D

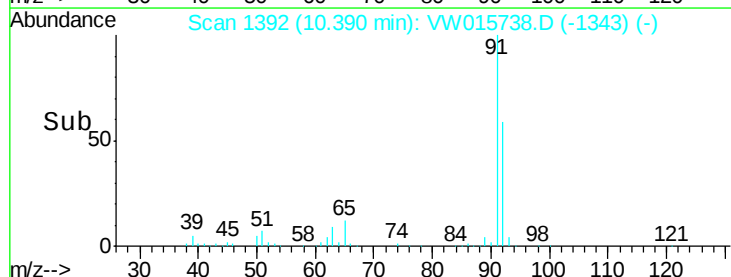
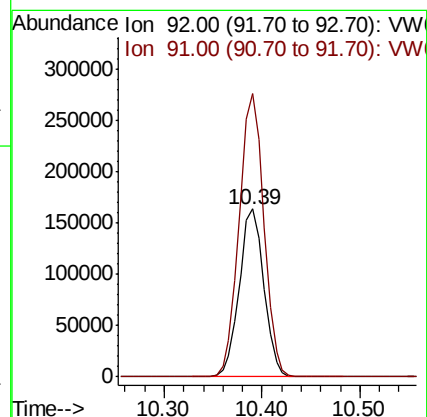
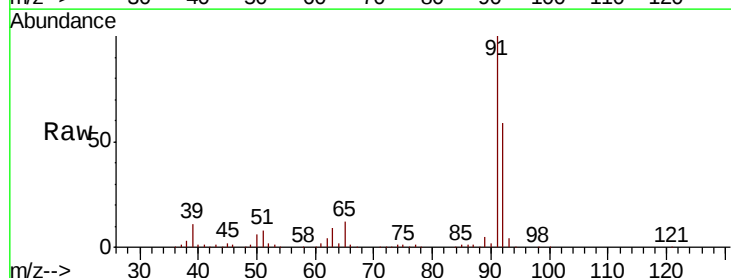
Acq: 26 Jun 2020 09:56

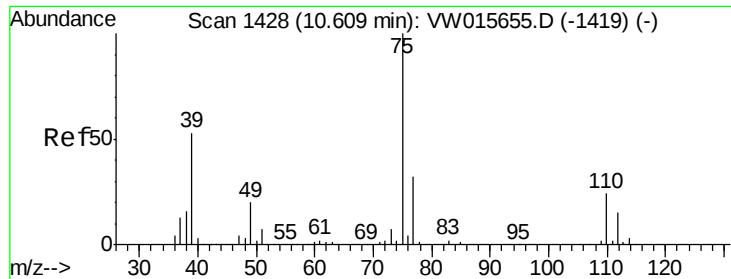
Tgt Ion: 92 Resp: 286706

Ion Ratio Lower Upper

92 100

91 169.7 135.5 203.3





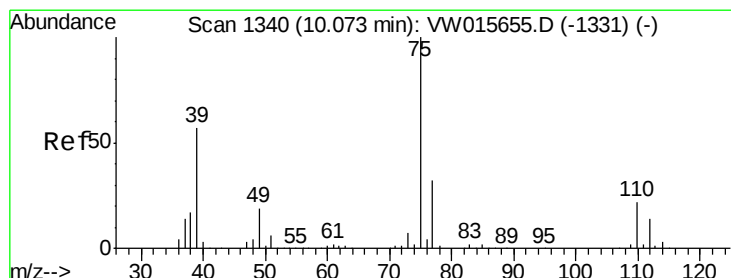
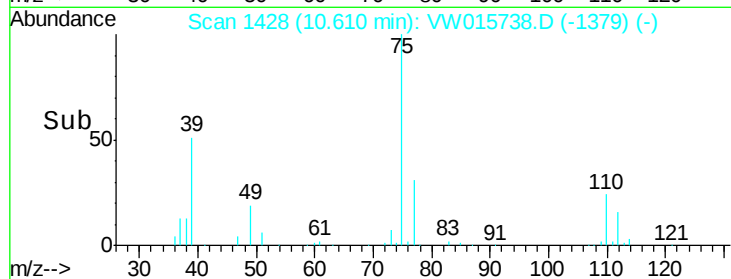
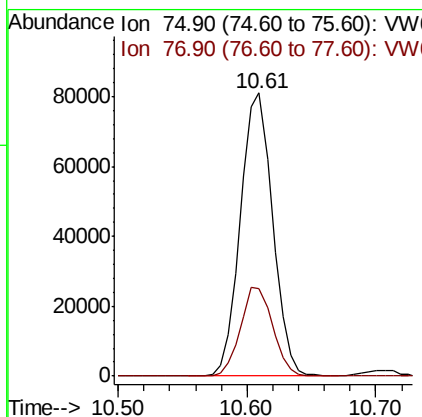
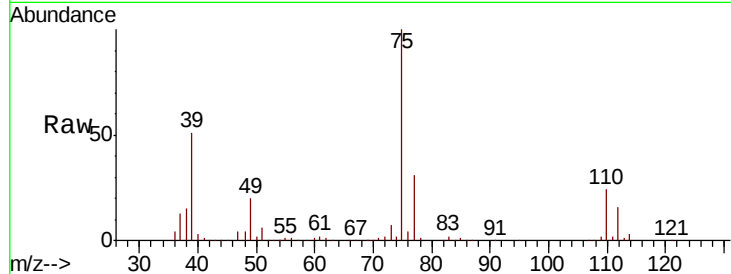
#53
t-1,3-Dichloropropene
Concen: 51.578 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 140426
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9

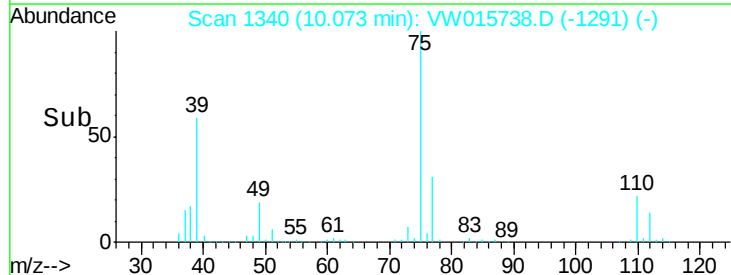
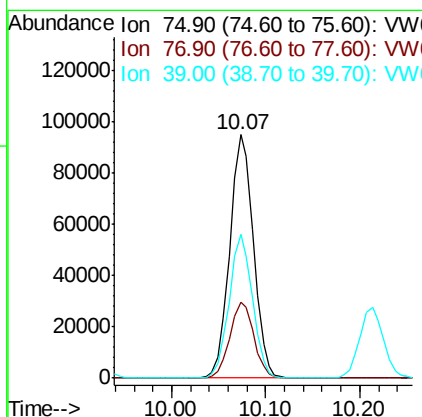
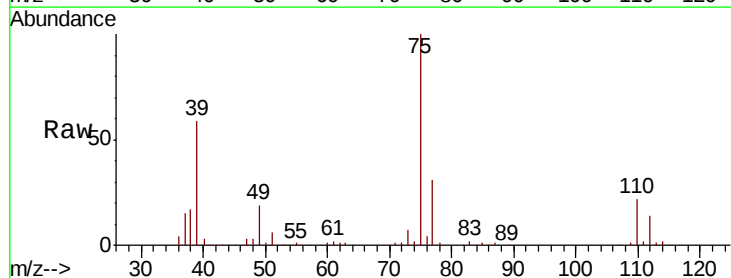
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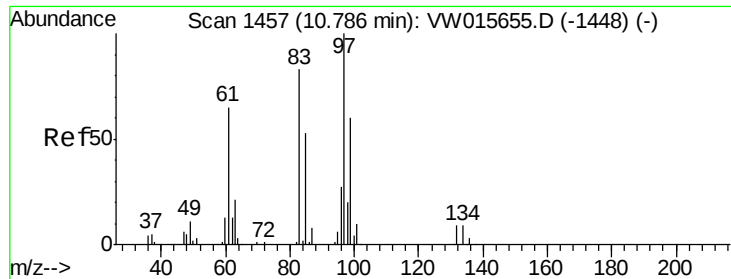
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#54
cis-1,3-Dichloropropene
Concen: 50.877 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion: 75 Resp: 165475
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2
39 58.9 45.8 68.6





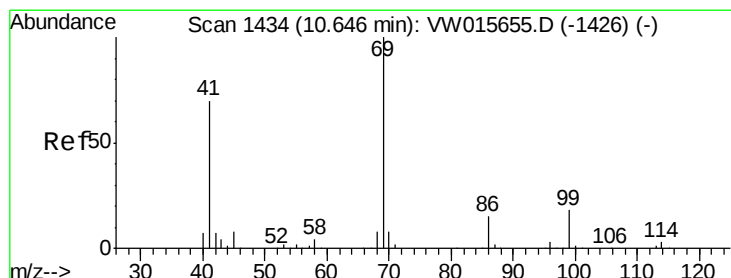
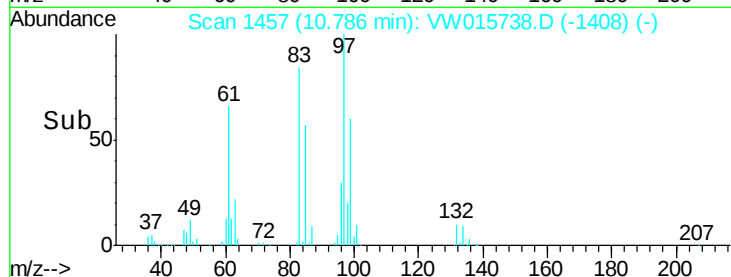
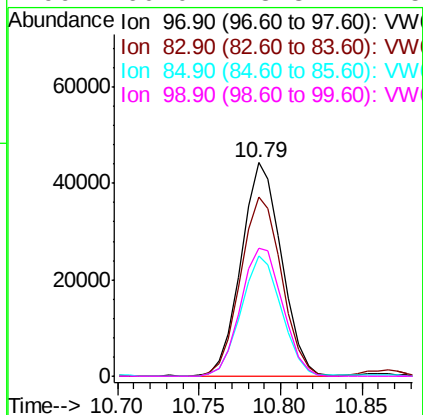
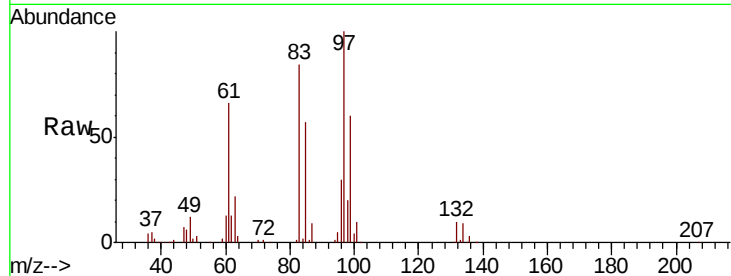
#55
 1,1,2-Trichloroethane
 Concen: 50.946 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	76531
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.3	99.5
85	56.6	42.5	63.7
99	60.0	48.3	72.5

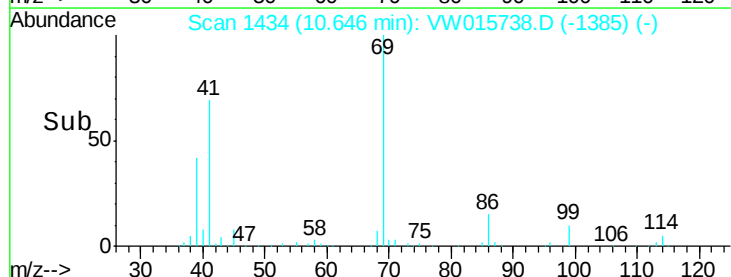
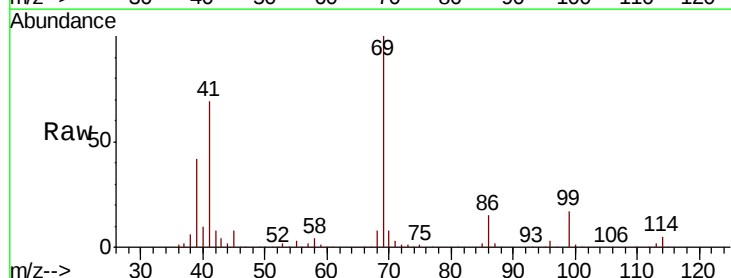
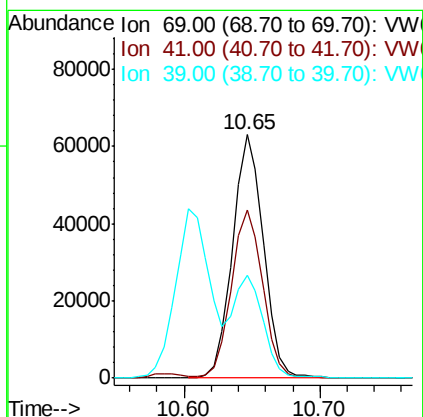
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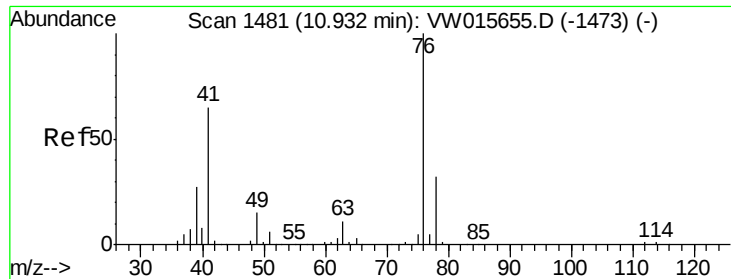
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#56
 Ethyl methacrylate
 Concen: 53.296 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion:	69	Resp:	99615
Ion	Ratio	Lower	Upper
69	100		
41	69.9	55.8	83.6
39	41.3	29.5	44.3





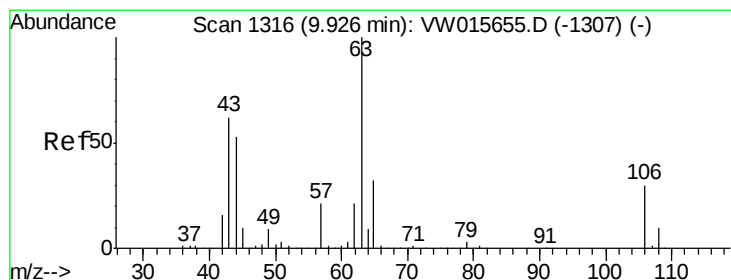
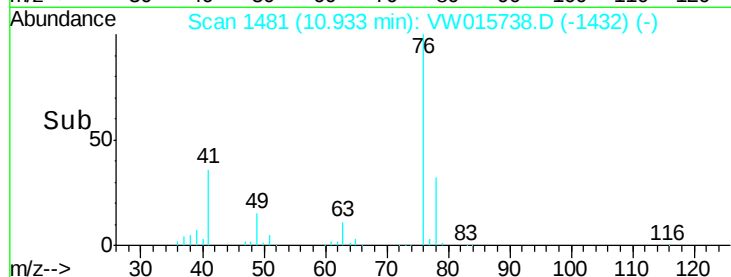
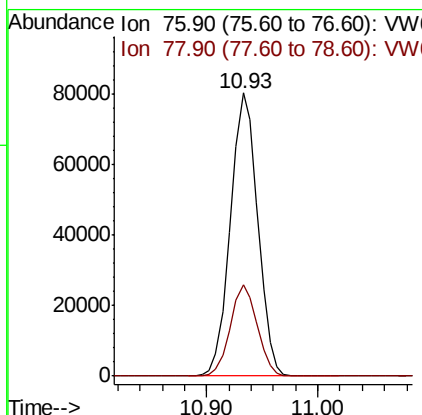
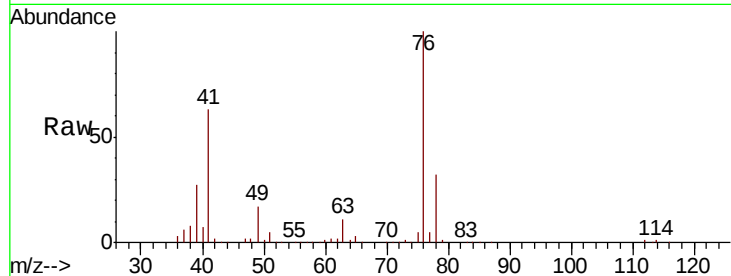
#57
 1,3-Dichloropropane
 Concen: 51.318 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 136667
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2

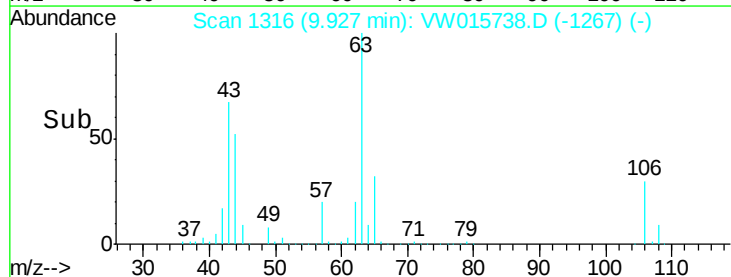
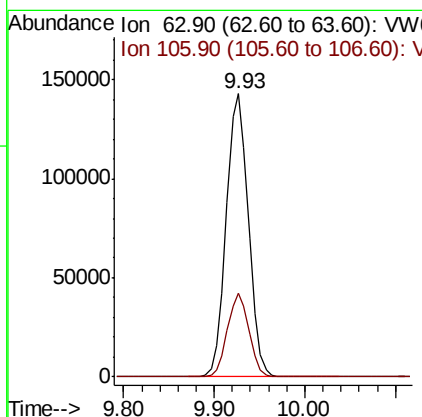
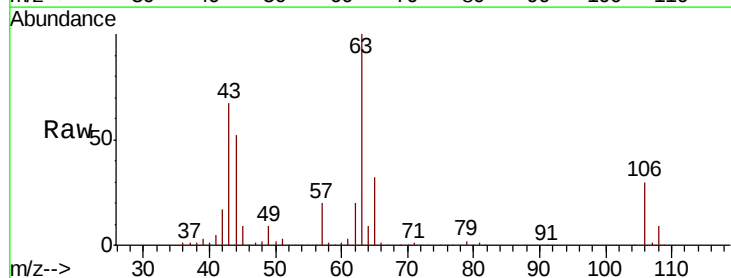
Manual Integrations
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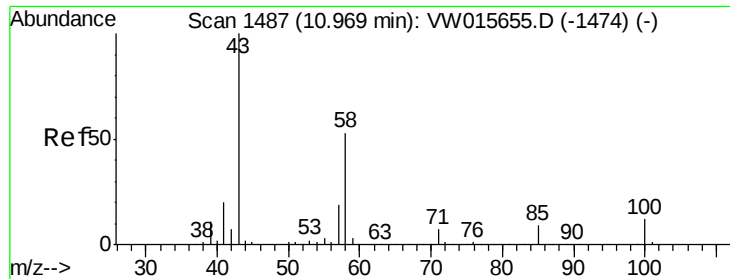
MMDadoda
 6/29/2020 12:33:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.221 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion: 63 Resp: 241665
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.3 34.9





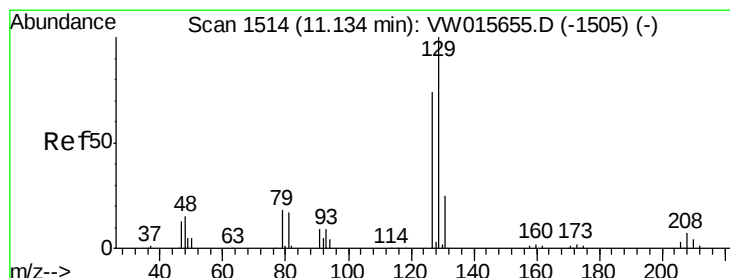
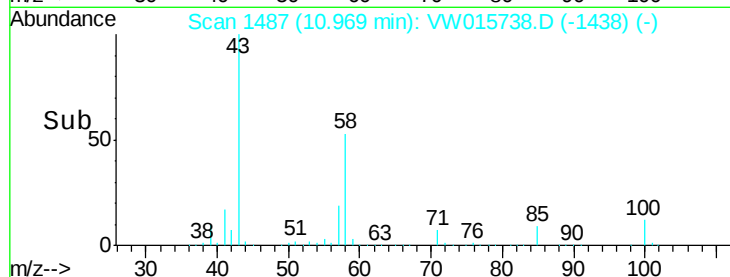
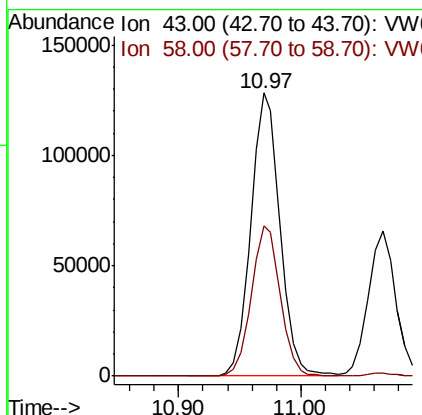
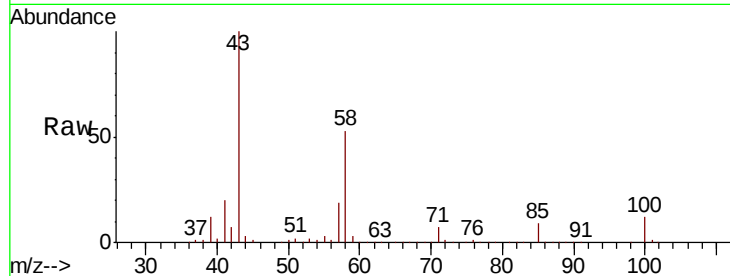
#59
2-Hexanone
Concen: 270.772 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 212822
Ion Ratio Lower Upper
43 100
58 52.8 26.5 79.4

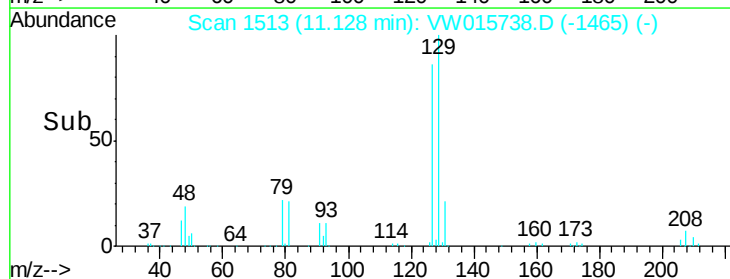
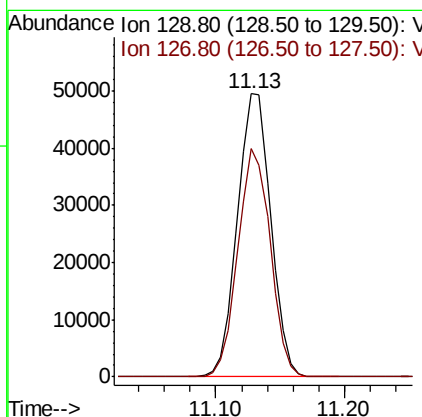
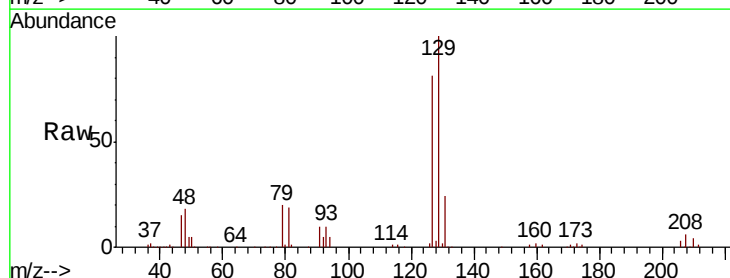
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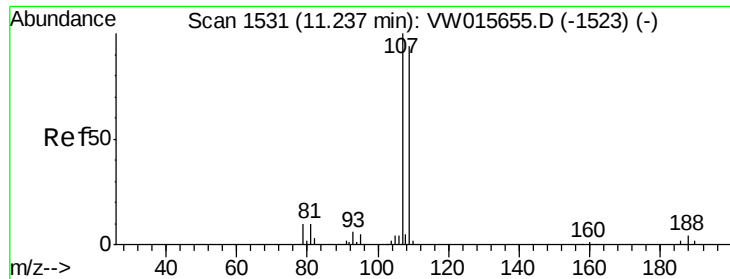
MMDadoda
6/29/2020 12:33:57 PM



#60
Dibromochloromethane
Concen: 50.839 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion: 129 Resp: 88995
Ion Ratio Lower Upper
129 100
127 78.3 38.0 114.1





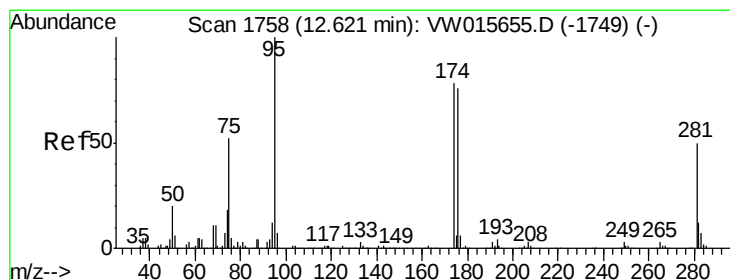
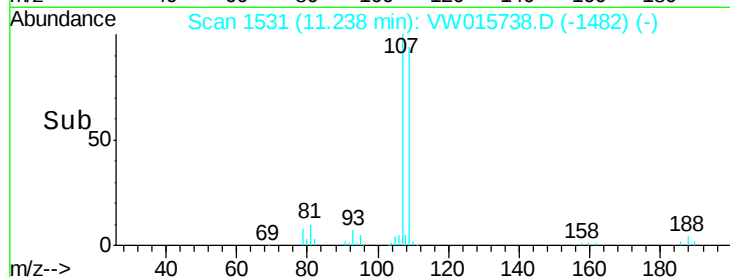
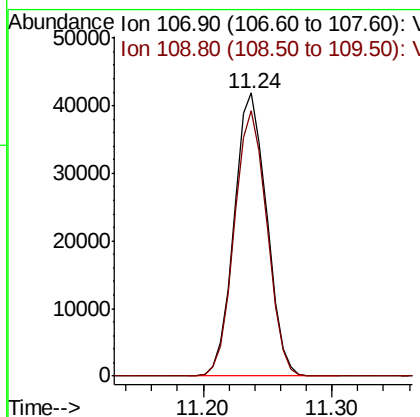
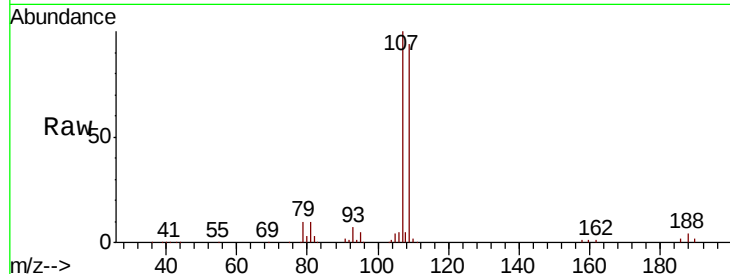
#61
 1,2-Dibromoethane
 Concen: 51.136 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 73426
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.9 112.3

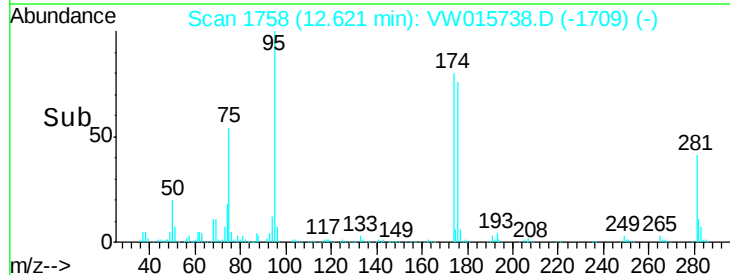
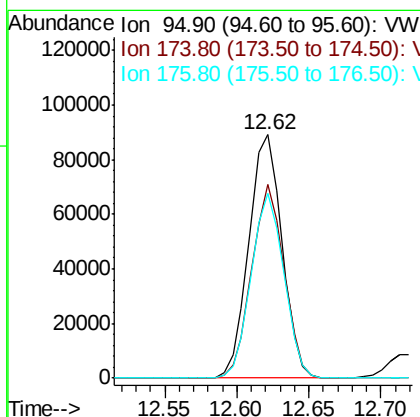
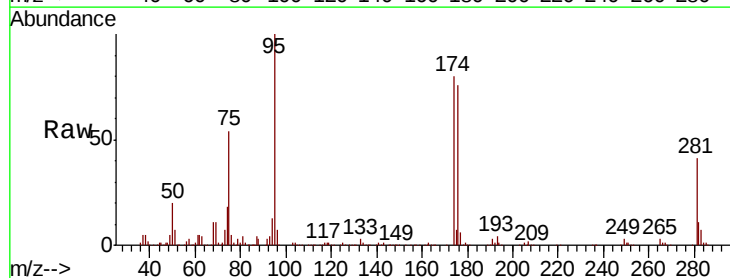
Manual Integrations
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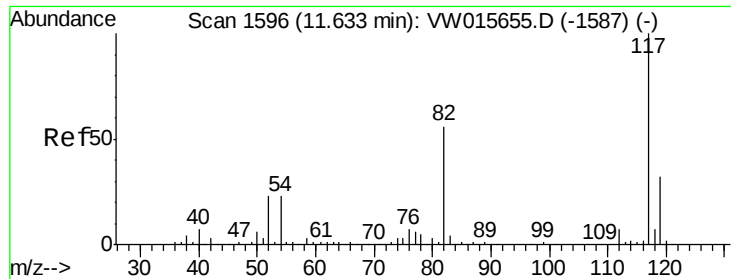
MMDadoda
 6/29/2020 12:33:57 PM



#62
 4-Bromofluorobenzene
 Concen: 51.455 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion: 95 Resp: 141702
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 157.0
 176 75.1 0.0 151.4





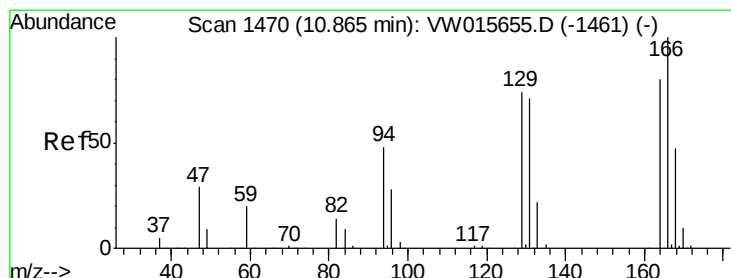
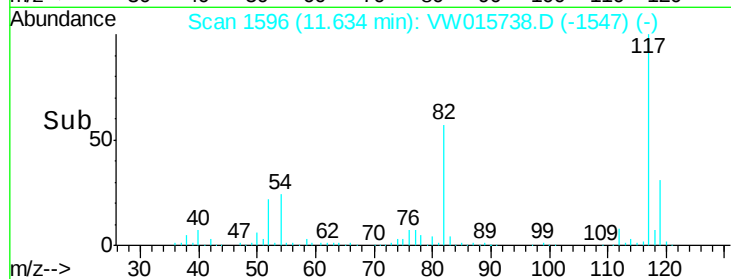
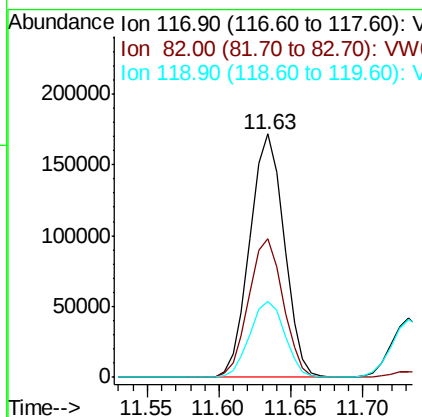
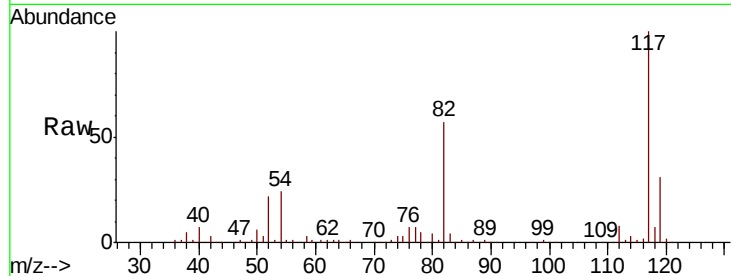
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.1	67.7
119	31.1	25.8	38.8

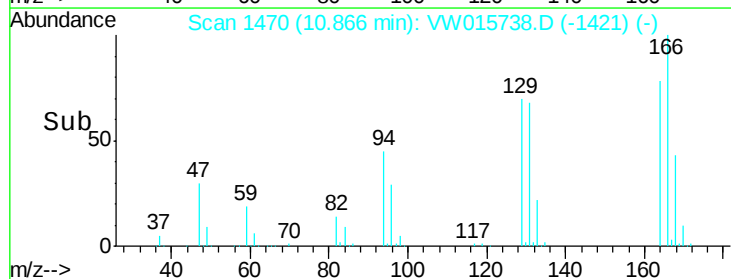
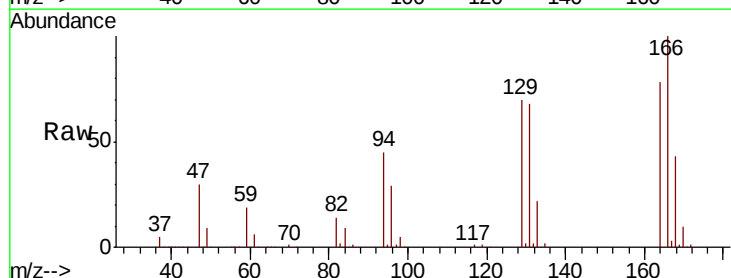
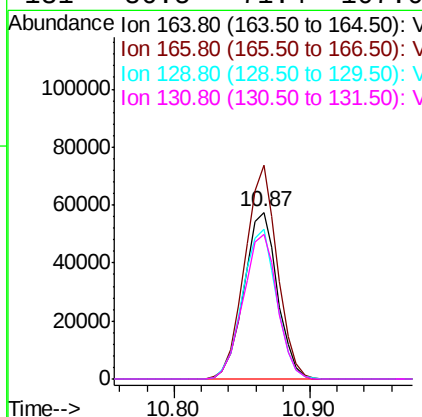
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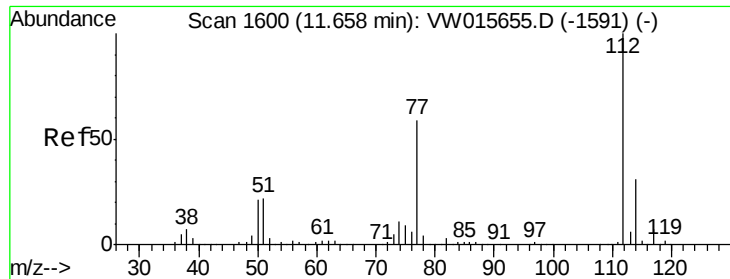
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#64
Tetrachloroethene
Concen: 49.297 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	99.9	149.9
129	90.0	74.2	111.2
131	86.5	71.4	107.0





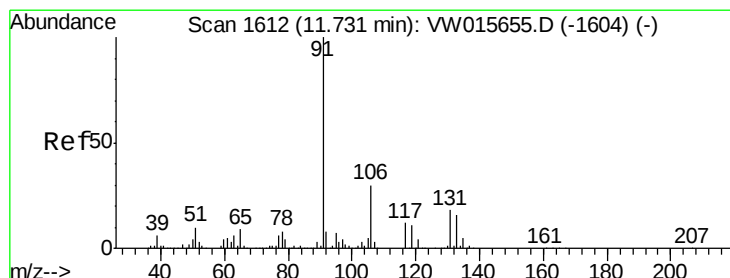
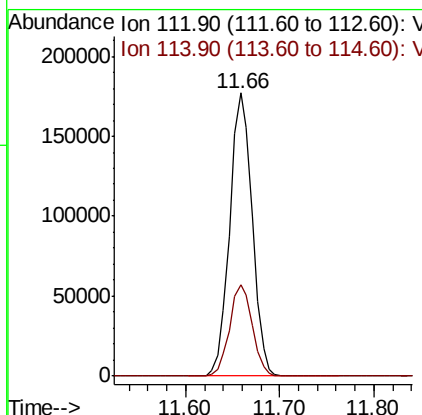
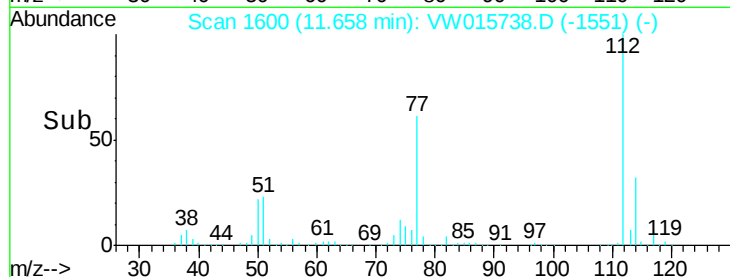
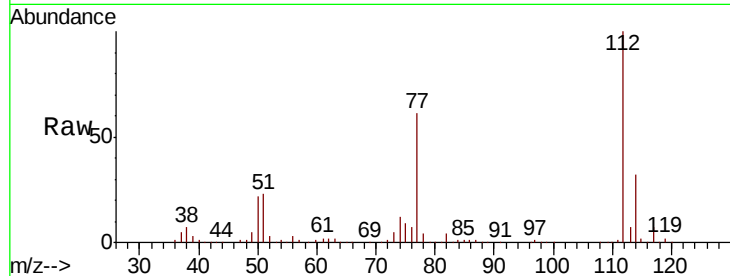
#65
Chlorobenzene
Concen: 48.944 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 293114
Ion Ratio Lower Upper
112 100
114 32.4 24.9 37.3

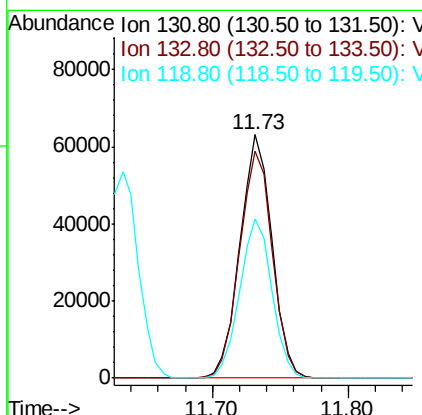
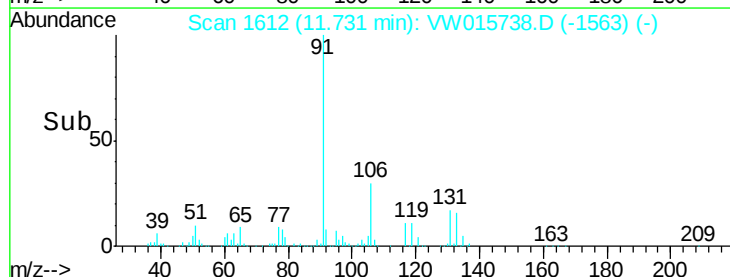
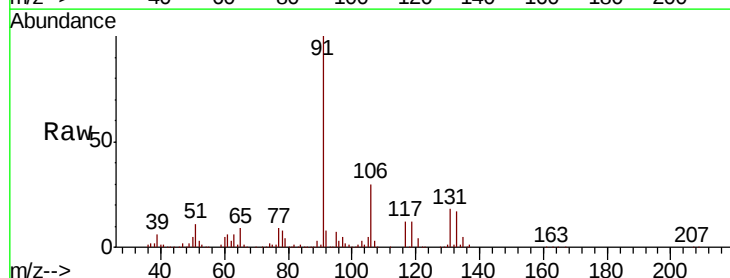
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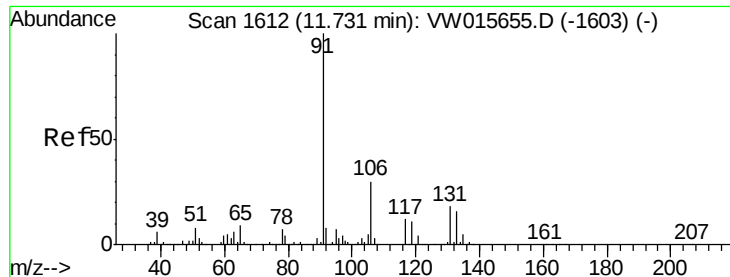
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.398 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion:131 Resp: 103726
Ion Ratio Lower Upper
131 100
133 95.8 46.5 139.5
119 66.1 32.5 97.5





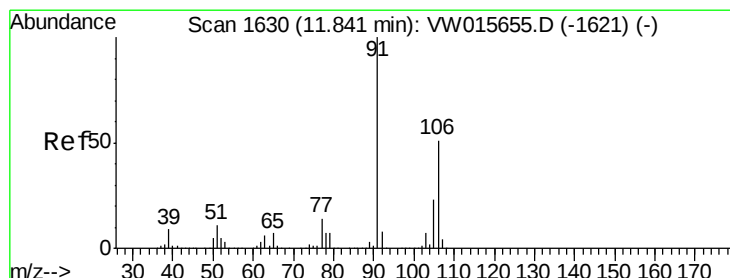
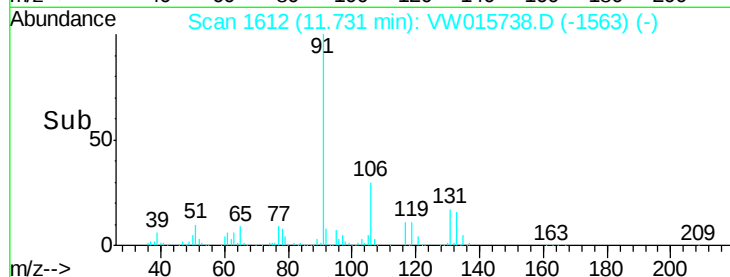
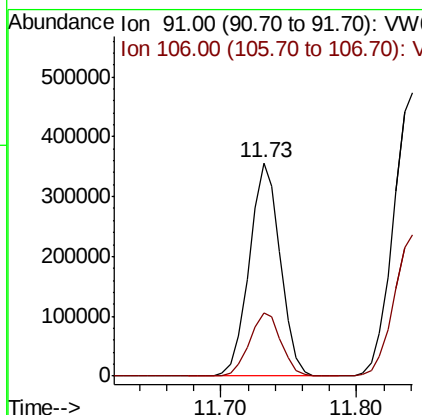
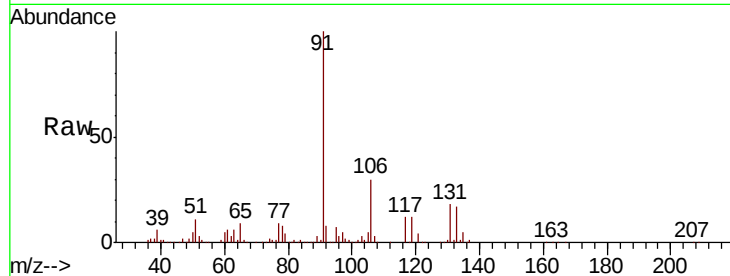
#67
Ethyl Benzene
Concen: 50.812 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 566327
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1

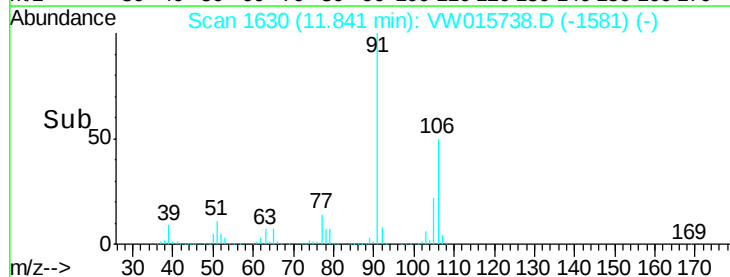
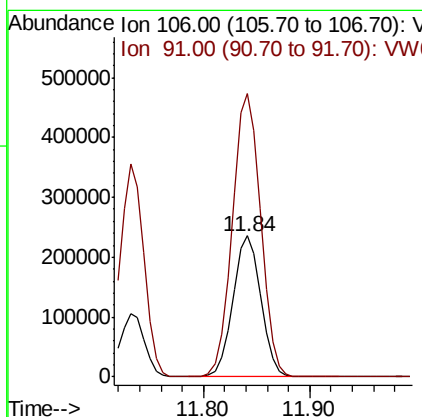
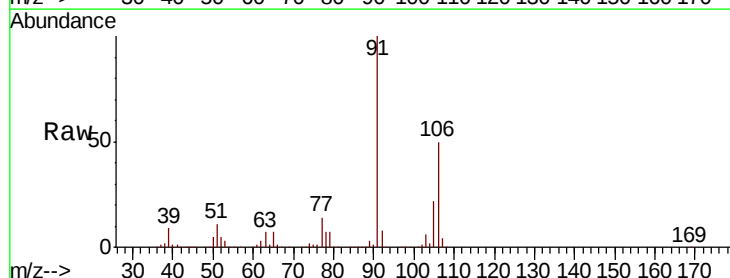
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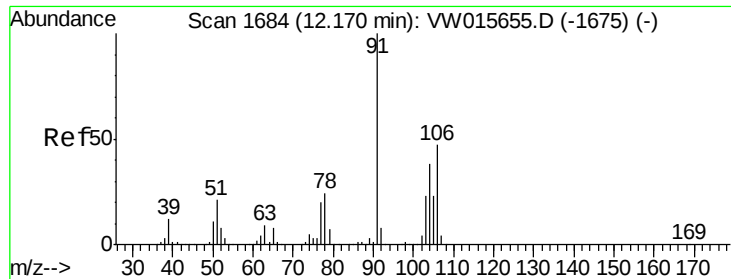
MMDadoda
6/29/2020 12:33:57 PM



#68
m/p-Xylenes
Concen: 103.321 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion: 106 Resp: 432412
Ion Ratio Lower Upper
106 100
91 203.9 162.6 244.0





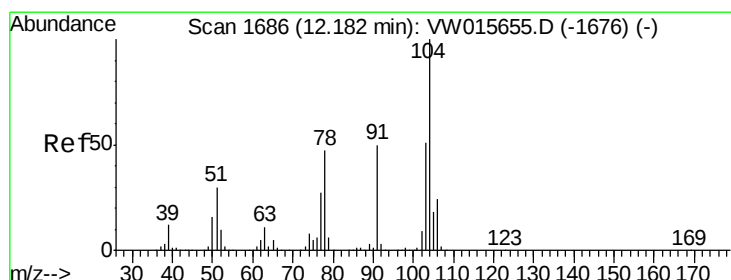
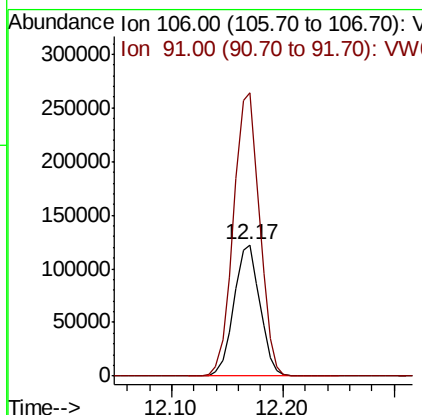
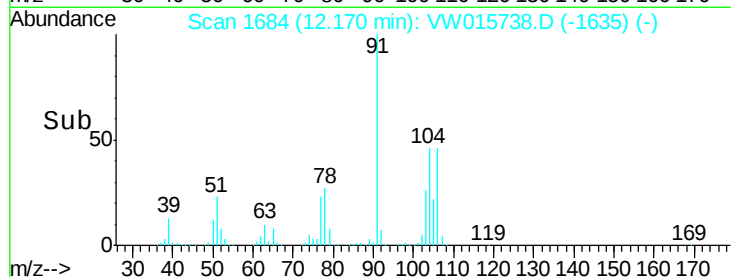
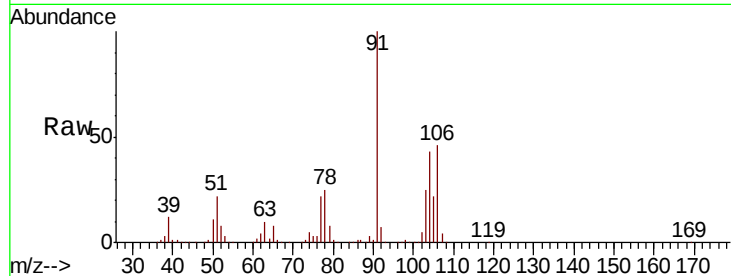
#69
o-Xylene
Concen: 51.239 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 197170
Ion Ratio Lower Upper
106 100
91 217.2 108.3 324.9

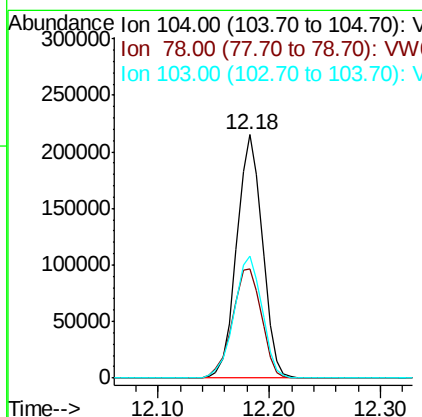
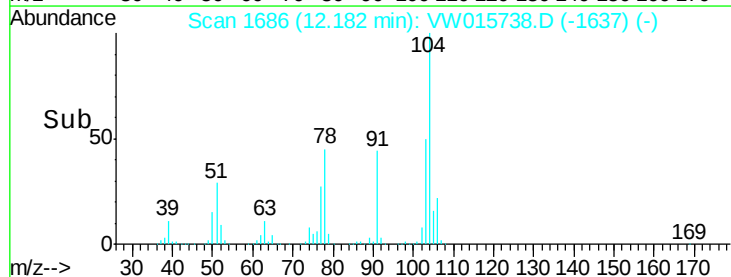
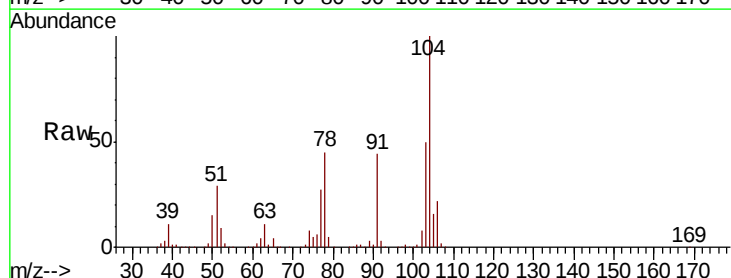
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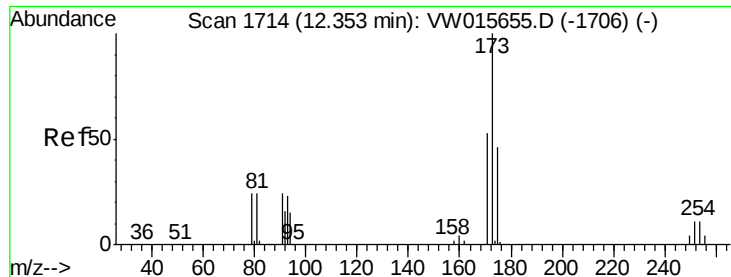
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#70
Styrene
Concen: 52.243 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion:104 Resp: 343472
Ion Ratio Lower Upper
104 100
78 50.9 40.9 61.3
103 54.7 43.1 64.7





#71

Bromoform

Concen: 50.897 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

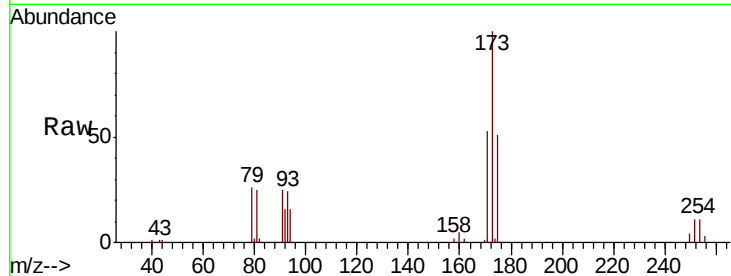
ClientSampleId :

VSTDCCC050

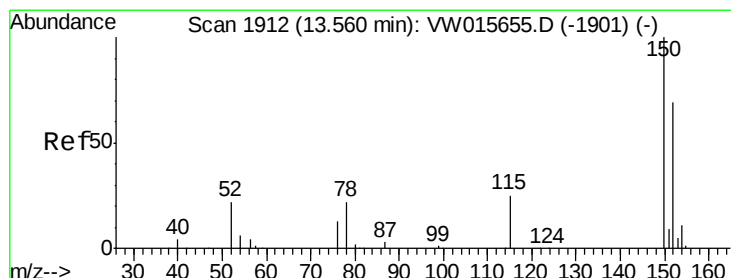
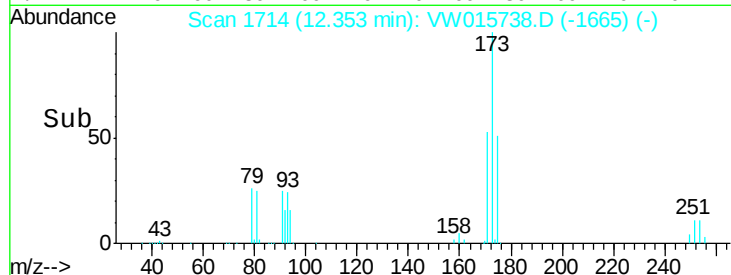
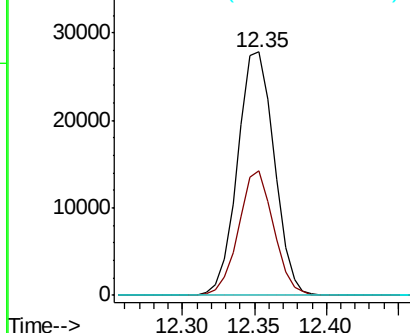
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.1	0.1#

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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

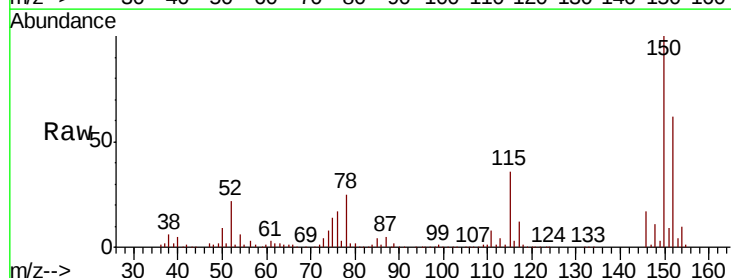
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

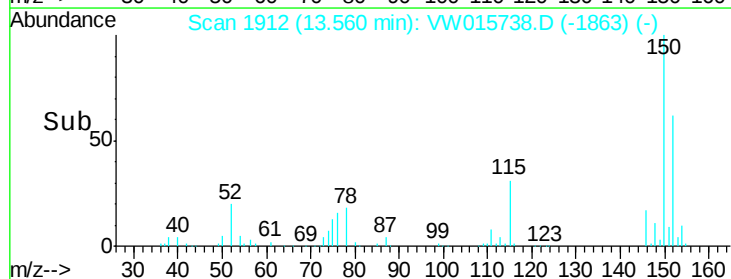
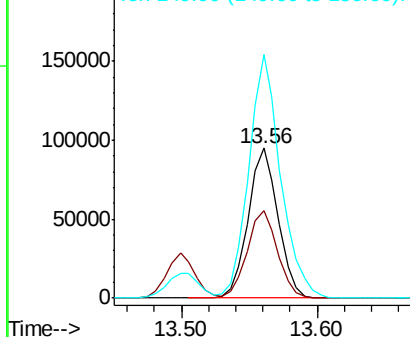
Lab File: VW015738.D

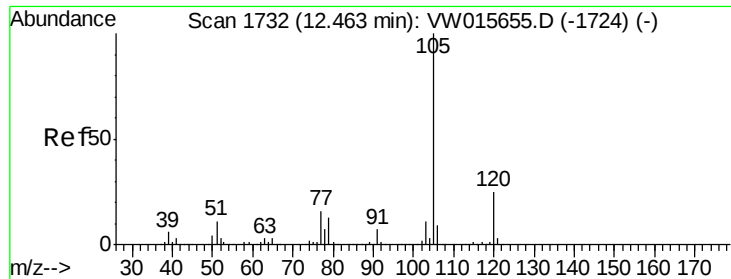
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.1	90.5
150	173.9	0.0	345.6



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: 50.653 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 562512

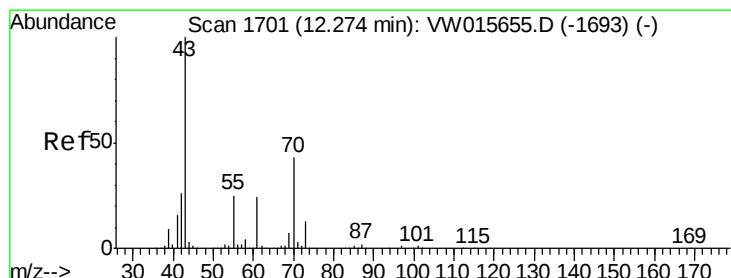
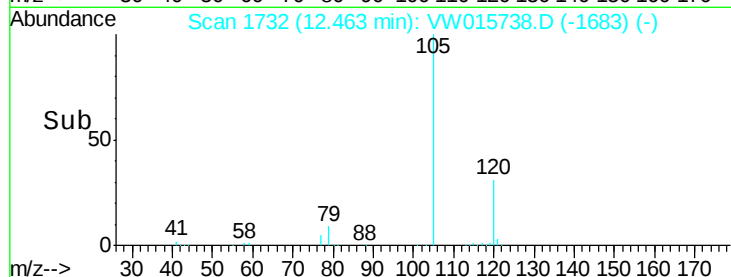
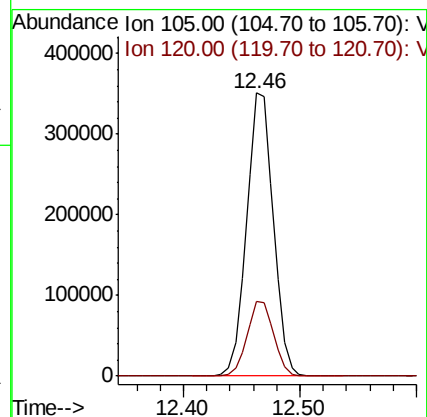
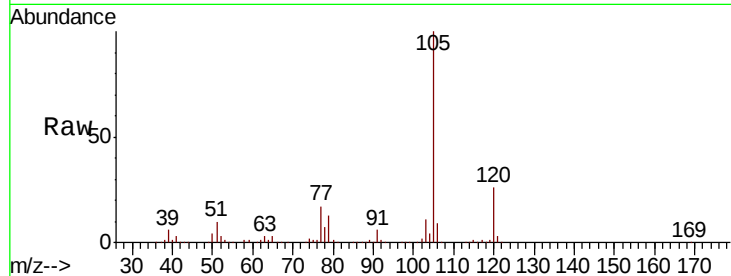
Ion Ratio Lower Upper

105 100

120 26.3 12.9 38.7

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#74

N-ethyl acetate

Concen: 50.736 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion: 43 Resp: 119440

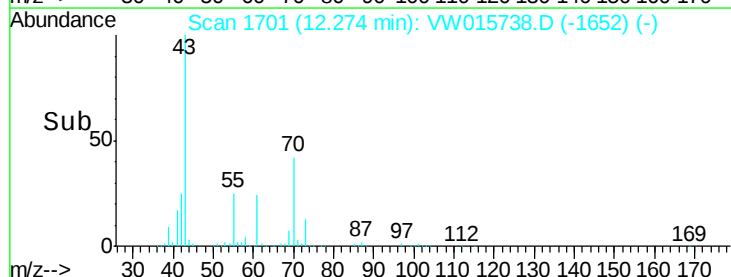
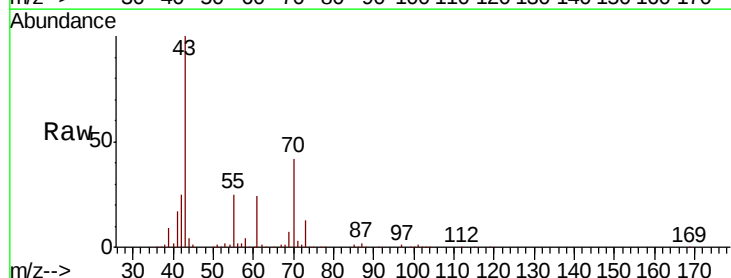
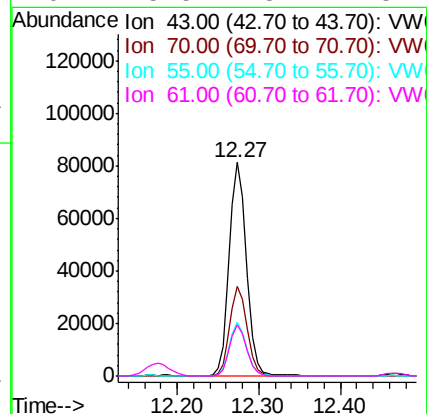
Ion Ratio Lower Upper

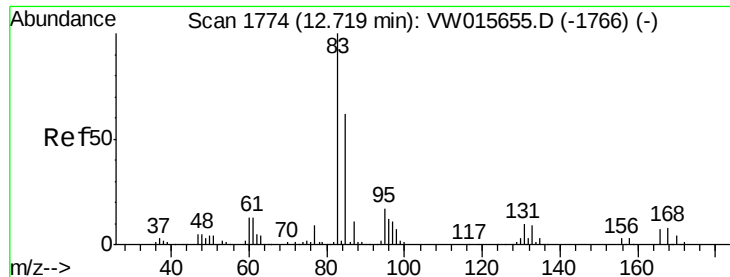
43 100

70 41.9 33.6 50.4

55 25.1 19.7 29.5

61 23.5 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.233 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

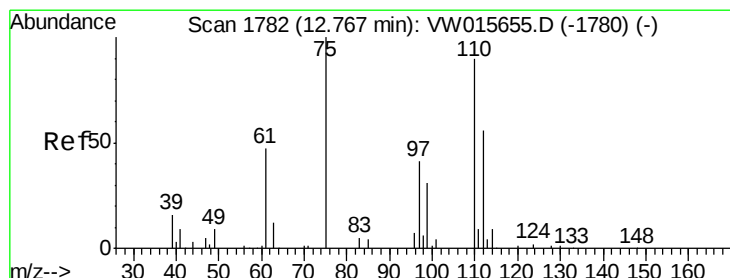
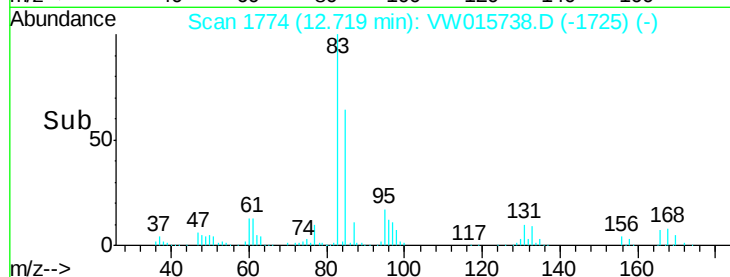
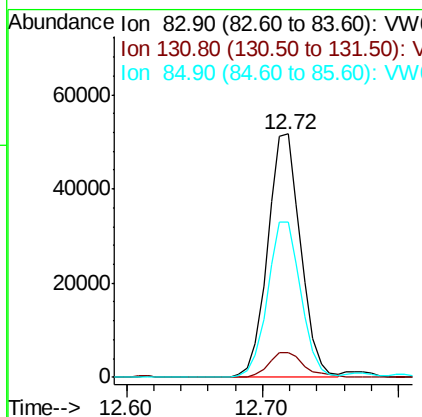
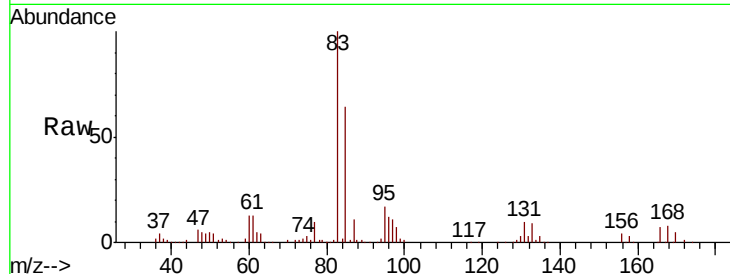
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	87467
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.5	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 48.805 ug/l m

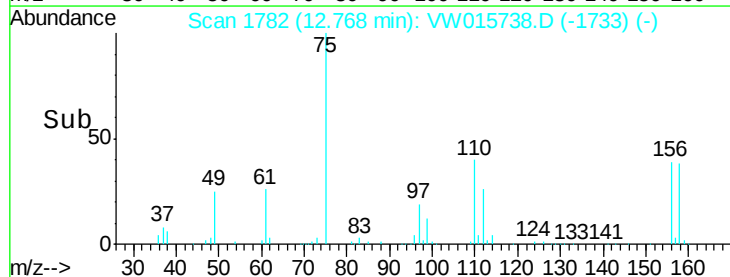
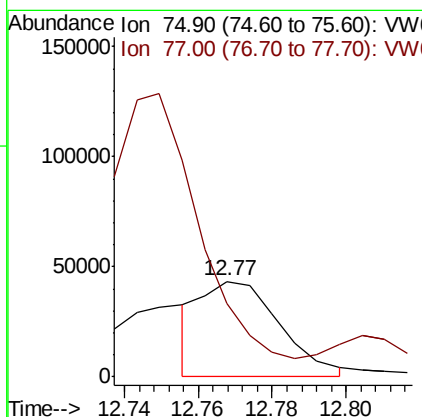
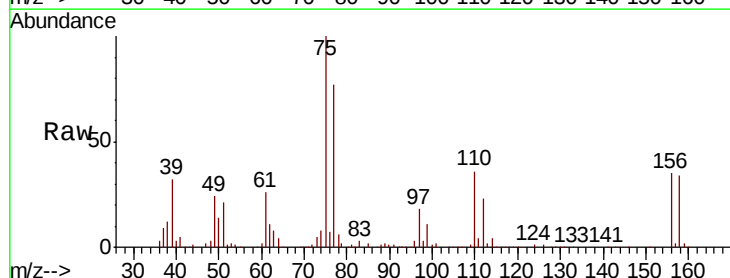
RT: 12.77 min Scan# 1782

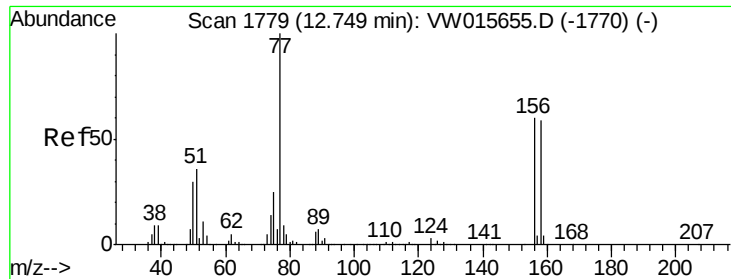
Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion:	75	Resp:	64807
Ion Ratio	Lower	Upper	
75	100		
77	363.5	179.1	537.1





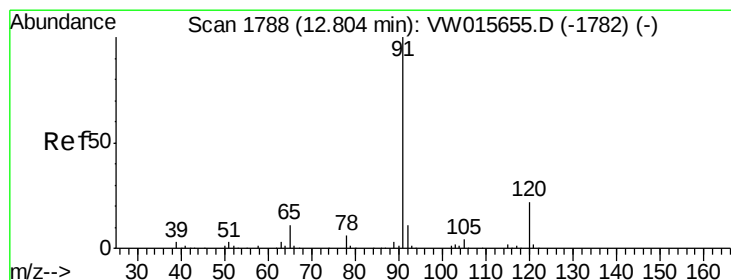
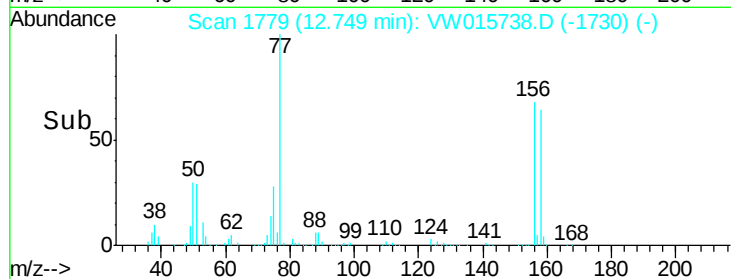
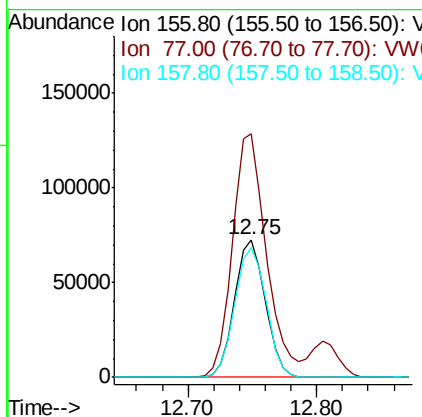
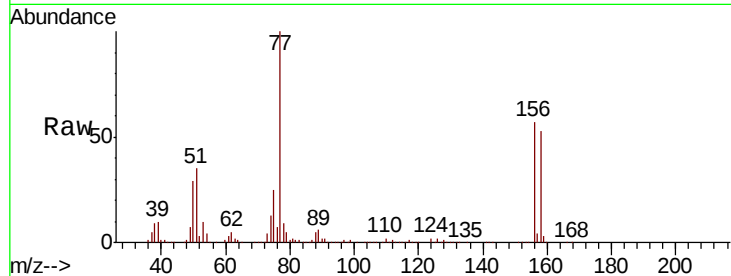
#77
Bromobenzene
Concen: 48.719 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	195.3	94.5	283.5	
158	96.3	47.9	143.6	

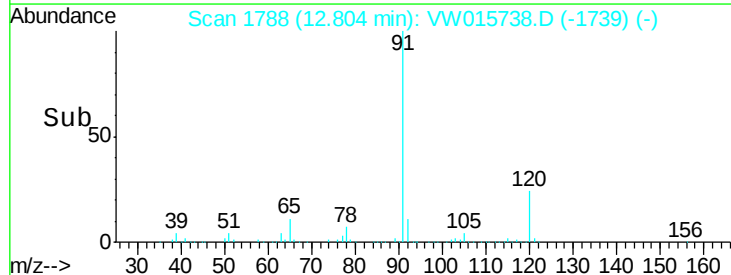
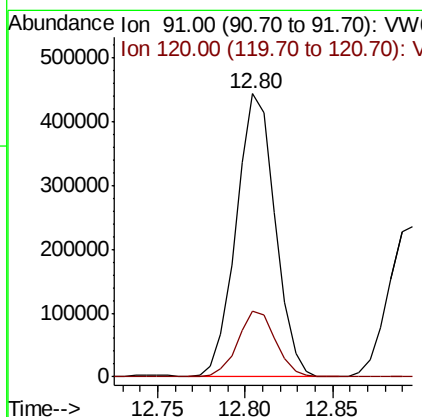
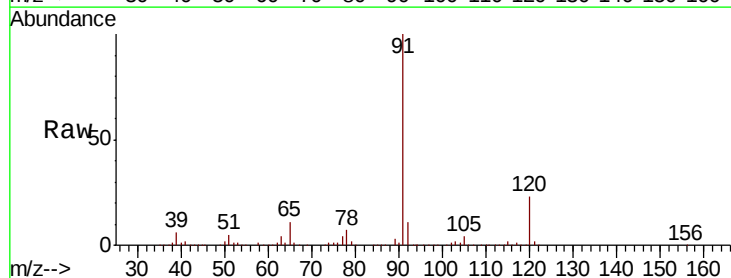
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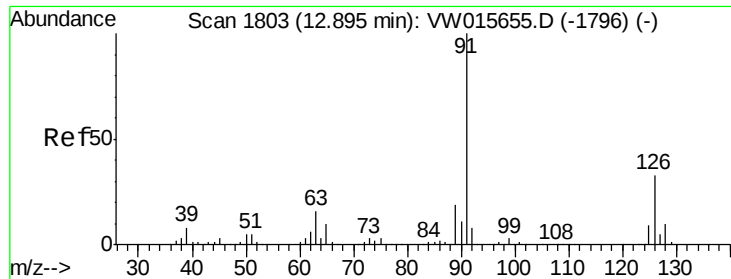
MMDadoda
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#78
n-propylbenzene
Concen: 51.169 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.8	11.2	33.5	





#79

2-Chlorotoluene

Concen: 51.048 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 384212

Ion Ratio Lower Upper

91 100

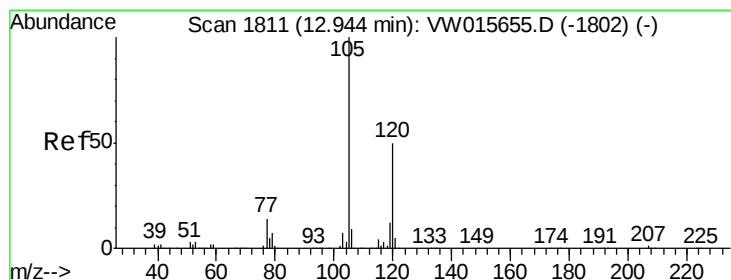
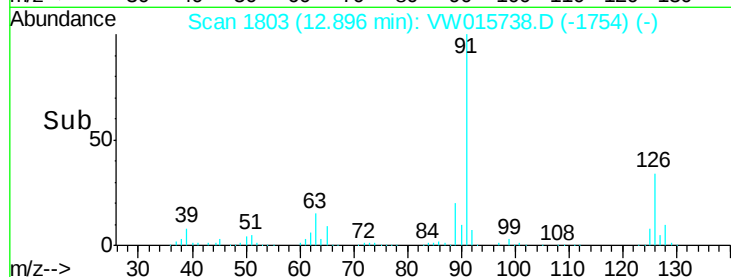
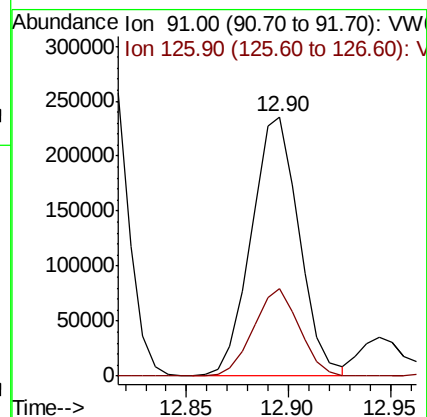
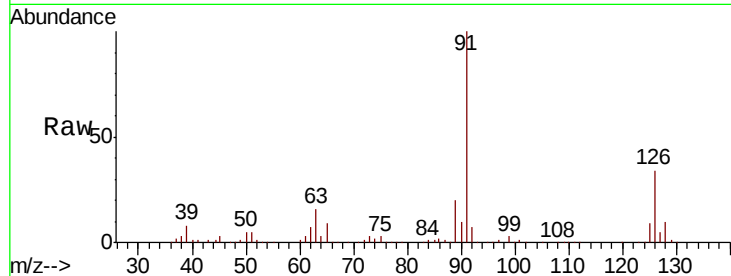
126 32.6 16.6 49.8

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6/29/2020 12:33:57 PM



#80

1,3,5-Trimethylbenzene

Concen: 51.432 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015738.D

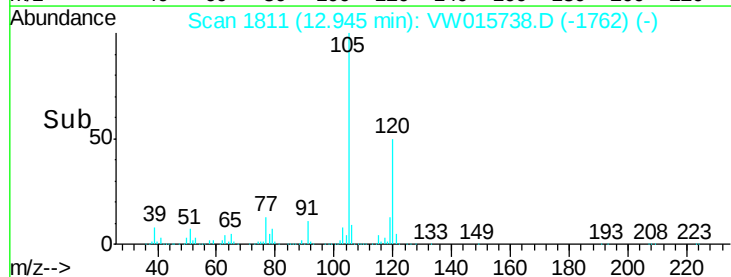
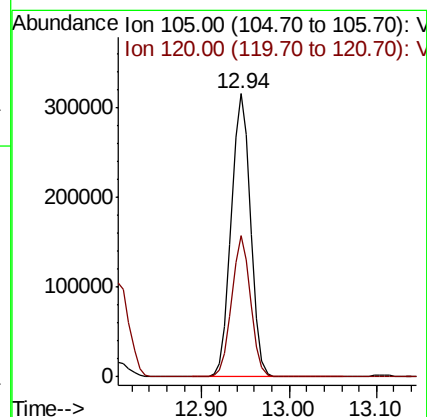
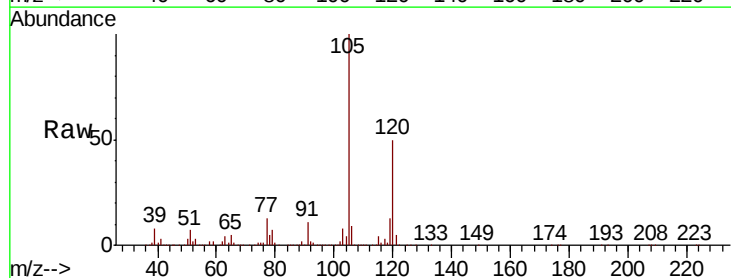
Acq: 26 Jun 2020 09:56

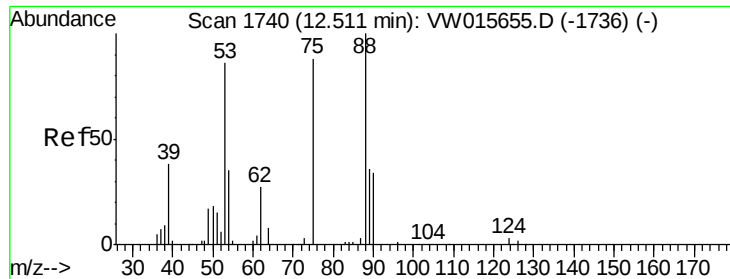
Tgt Ion: 105 Resp: 483964

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.730 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Instrument :

MSVOA_W

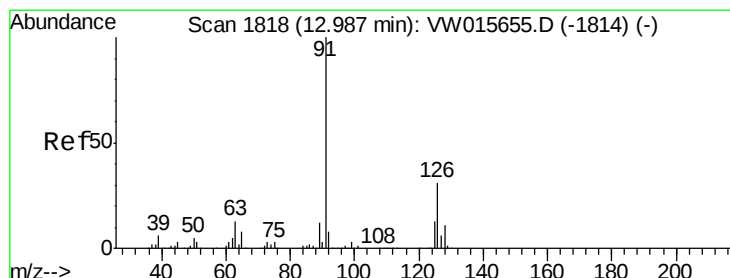
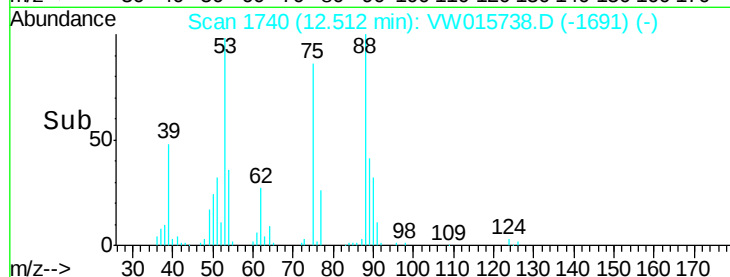
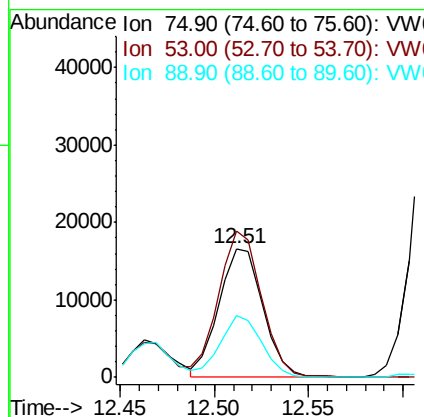
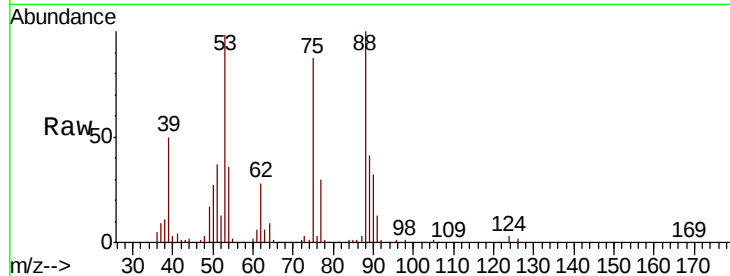
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	26731
Ion	Ratio	Lower	Upper
75	100		
53	114.2	83.8	125.8
89	45.8	36.6	55.0

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#82

4-Chlorotoluene

Concen: 50.181 ug/l

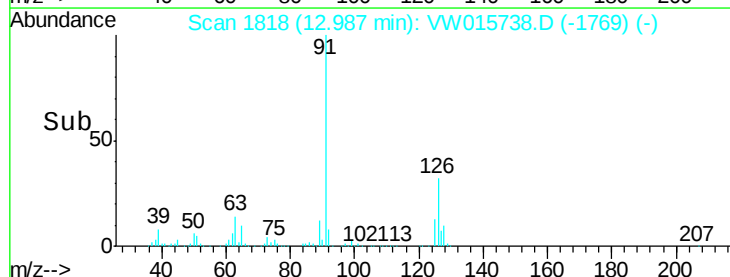
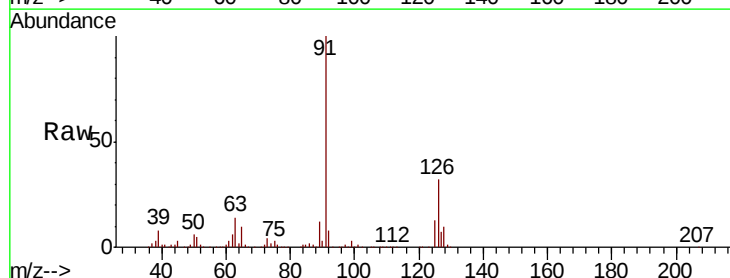
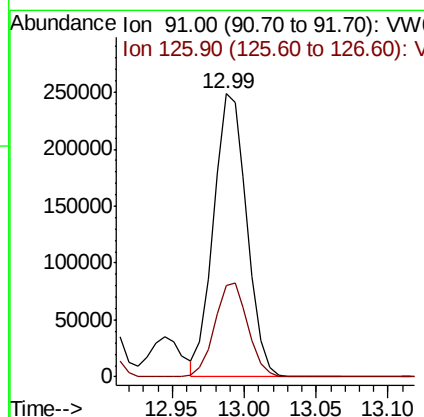
RT: 12.99 min Scan# 1818

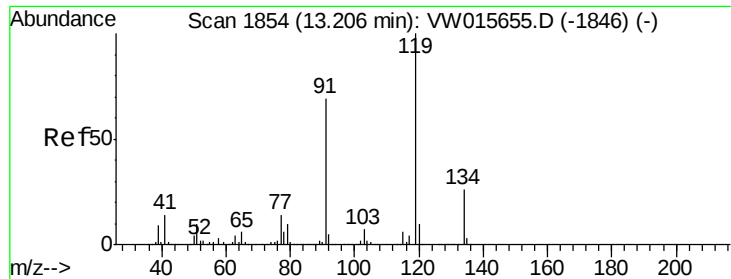
Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion:	91	Resp:	399568
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.3	48.9





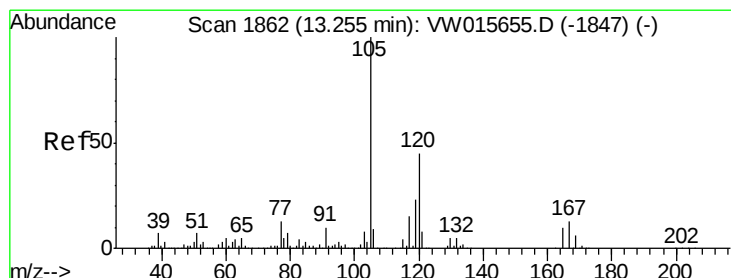
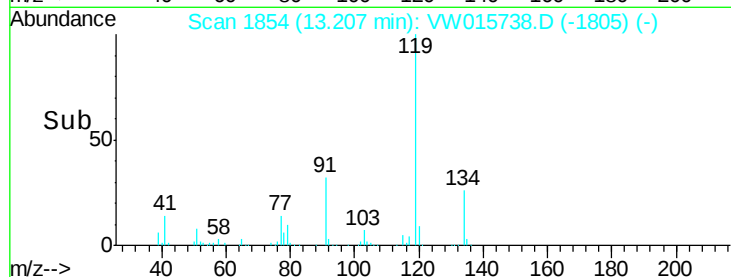
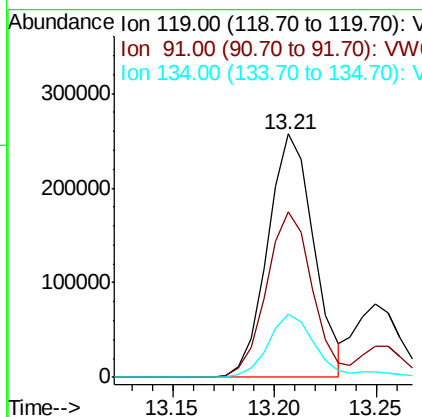
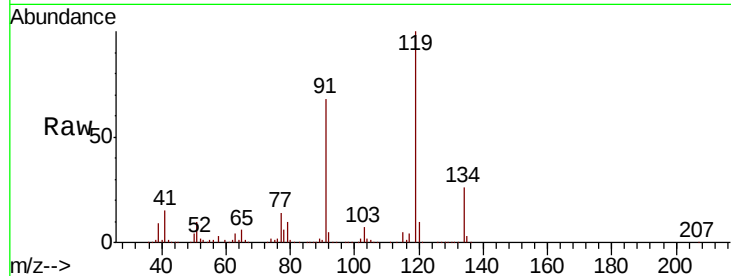
#83
tert-Butylbenzene
Concen: 50.998 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.7	104.1
134	25.5	13.8	41.4

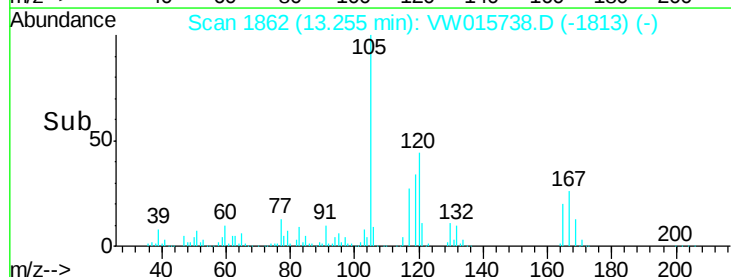
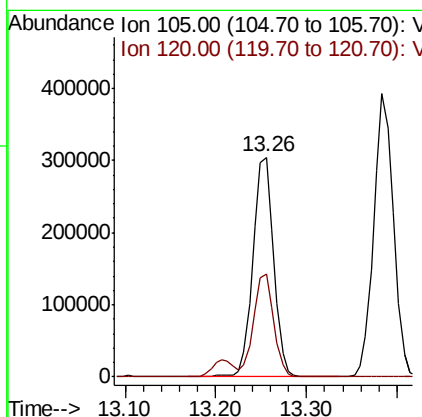
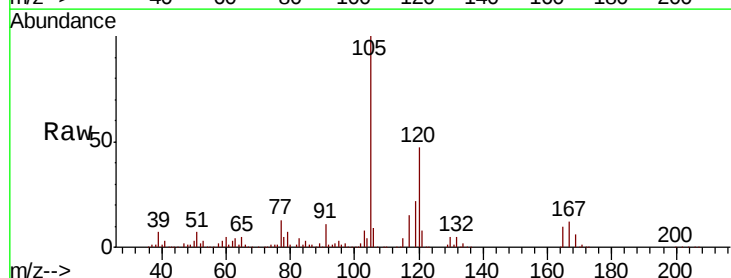
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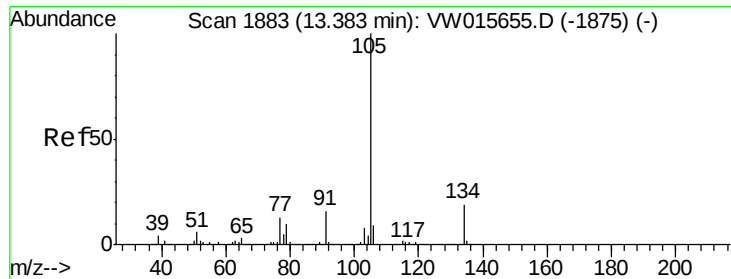
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#84
1,2,4-Trimethylbenzene
Concen: 51.198 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3





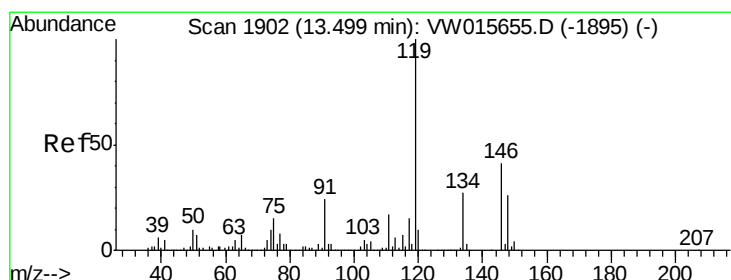
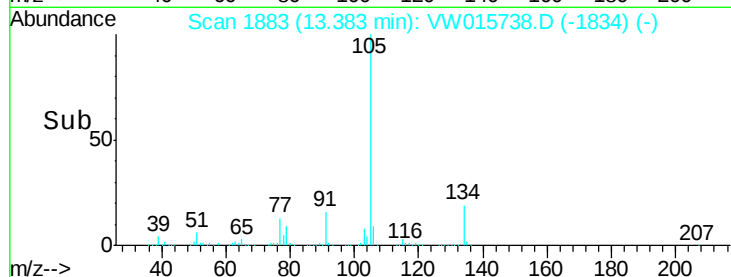
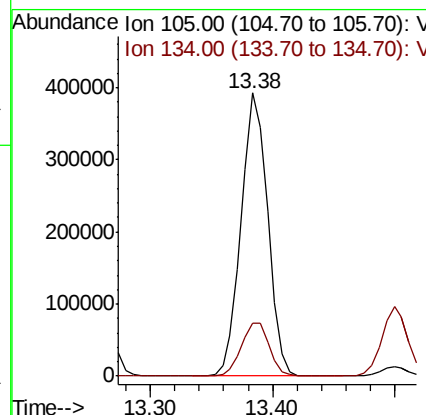
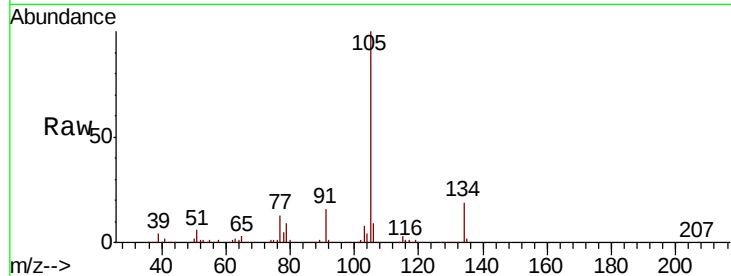
#85
 sec-Butylbenzene
 Concen: 52.049 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	29.8

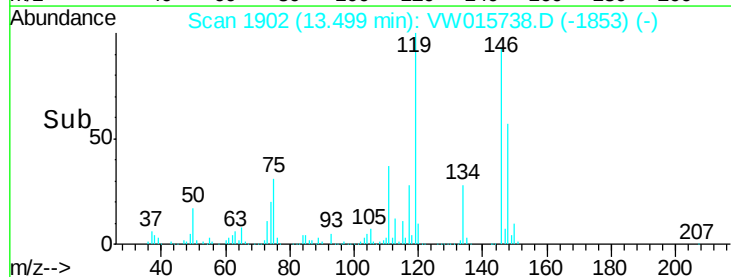
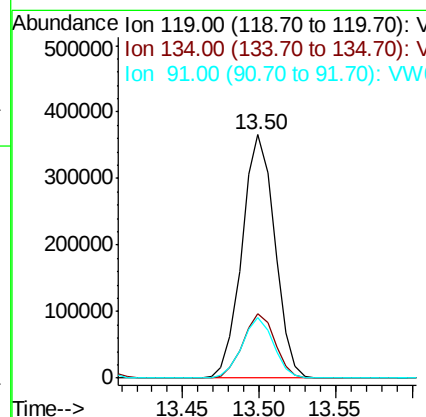
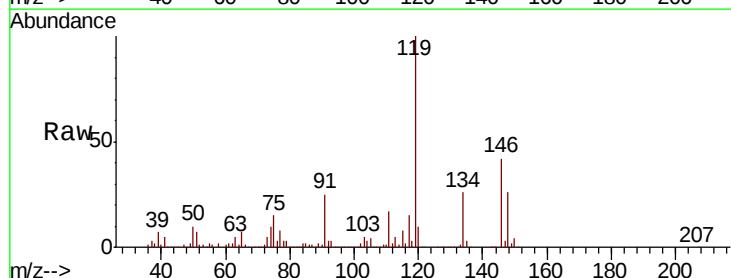
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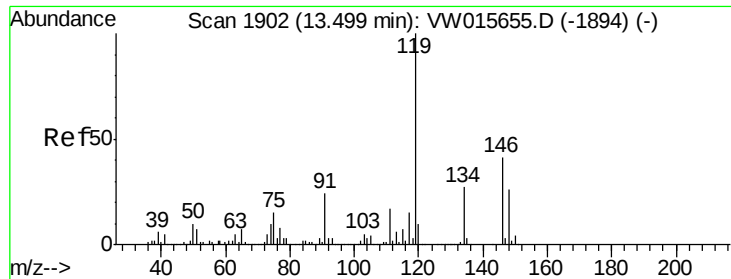
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#86
 p-Isopropyltoluene
 Concen: 52.724 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.5	40.4
91	23.8	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 49.899 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

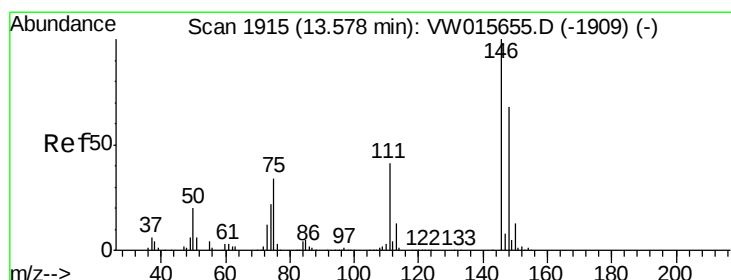
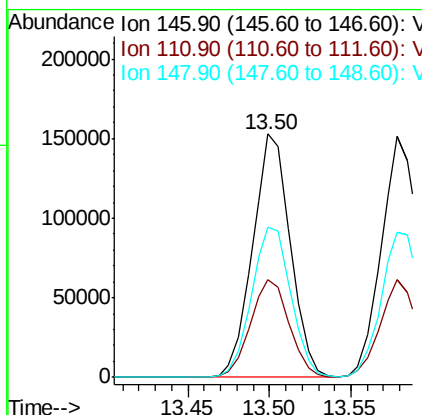
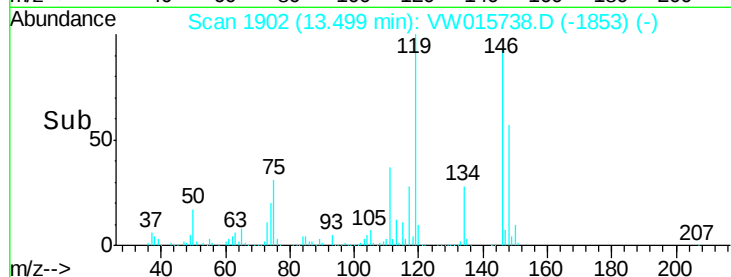
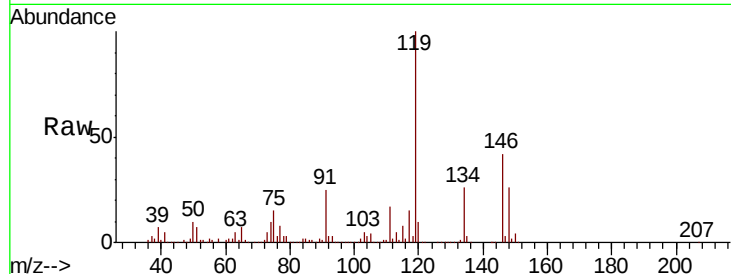
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	245288		
111	41.1	20.3	60.8	
148	64.2	31.6	94.7	

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#88

1,4-Dichlorobenzene

Concen: 49.818 ug/l

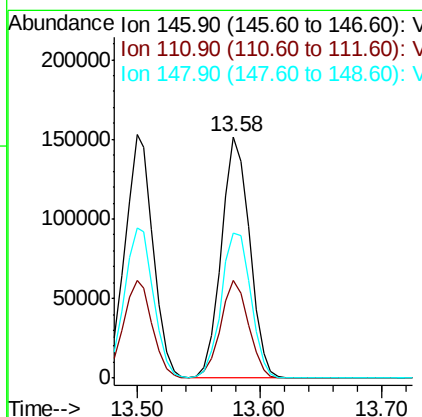
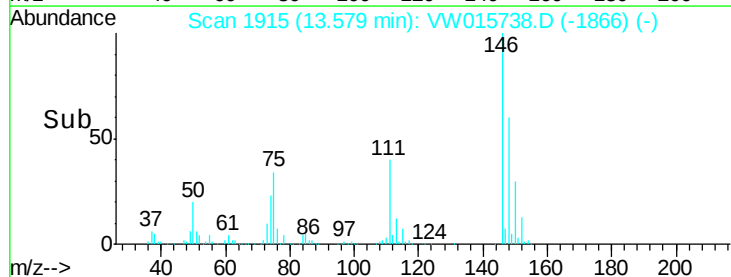
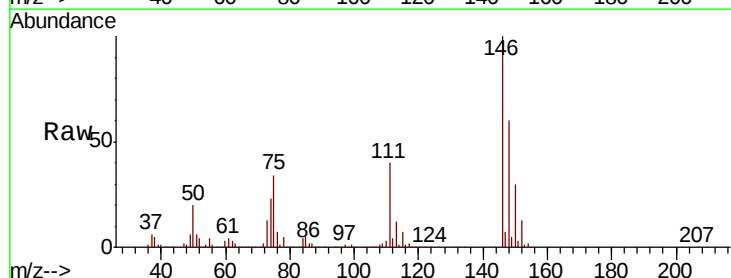
RT: 13.58 min Scan# 1915

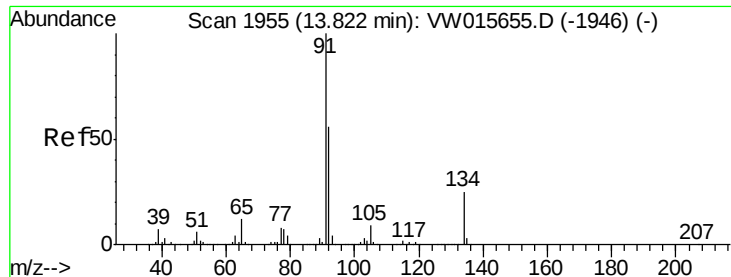
Delta R.T. 0.00 min

Lab File: VW015738.D

Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	242541		
111	40.2	20.3	60.9	
148	63.1	33.7	101.1	





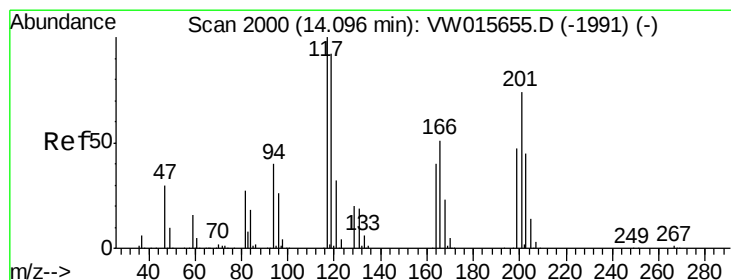
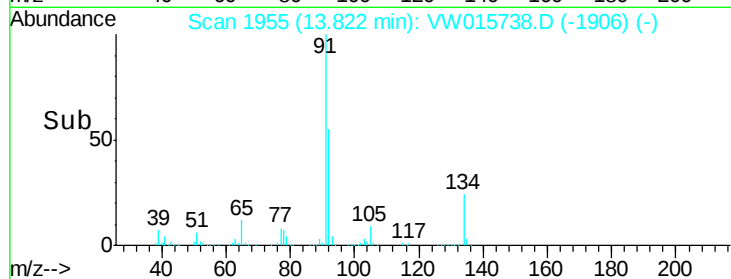
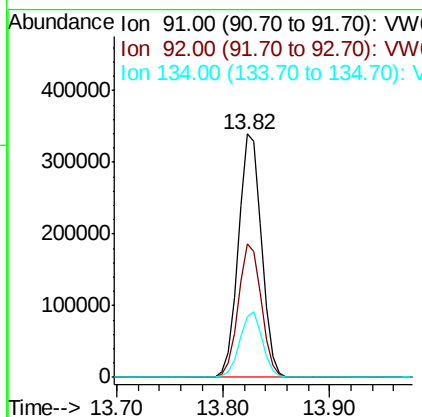
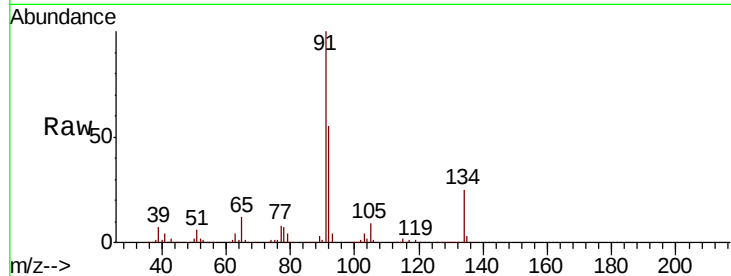
#89
n-Butylbenzene
Concen: 52.135 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	26.2	13.0	38.9

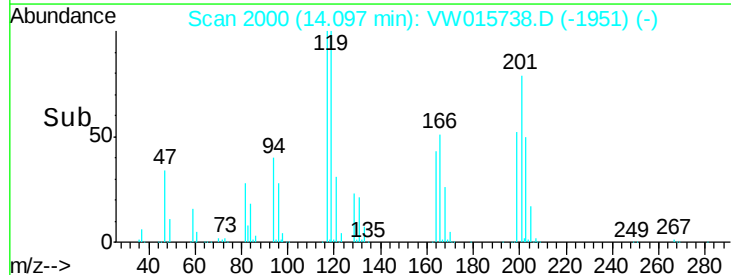
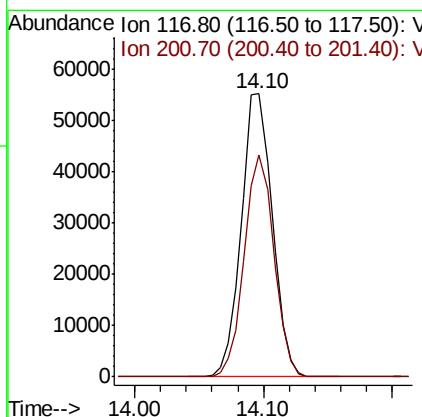
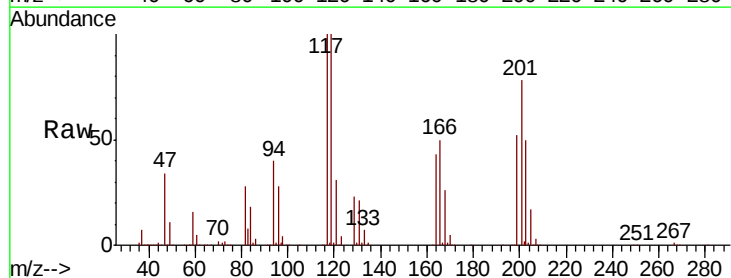
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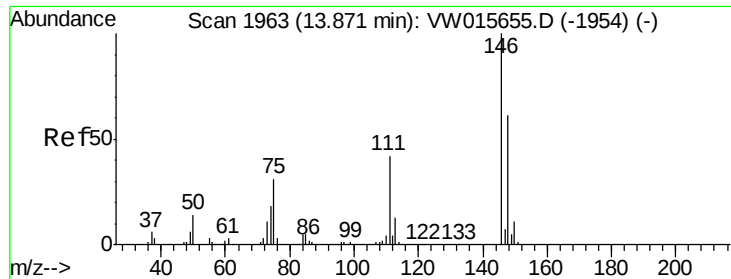
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#90
Hexachloroethane
Concen: 50.074 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.8	37.1	111.5





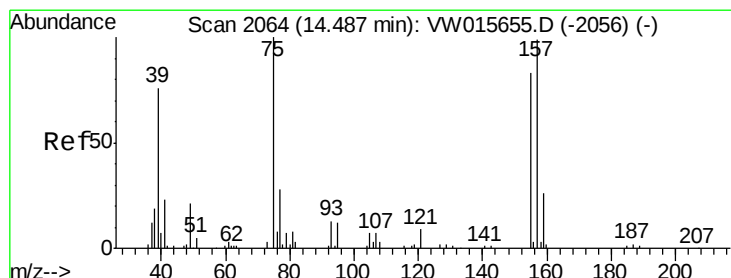
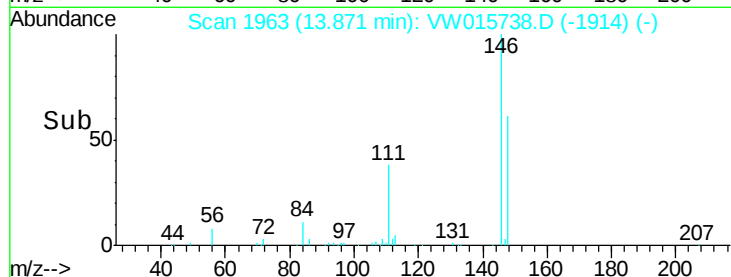
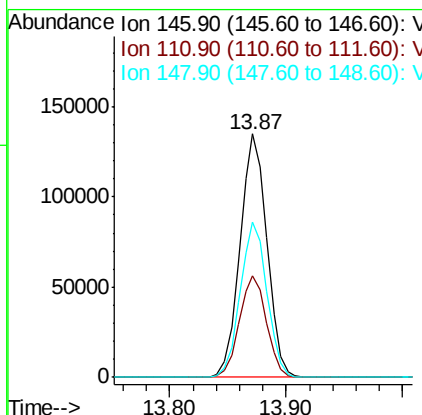
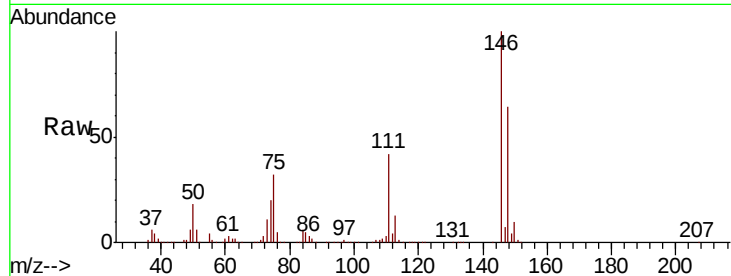
#91
 1,2-Dichlorobenzene
 Concen: 50.985 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.7
148	63.4	32.2	96.6

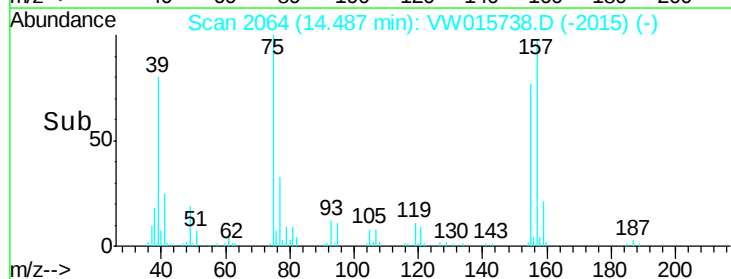
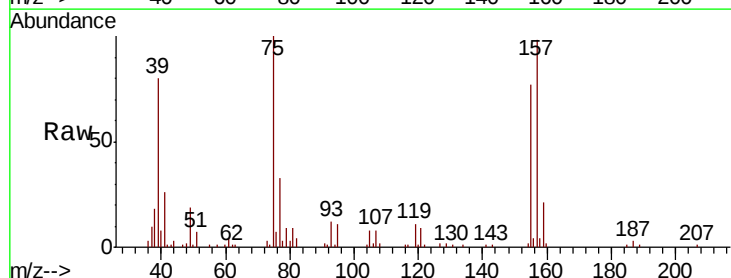
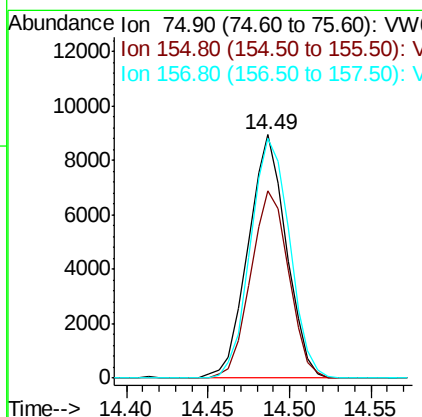
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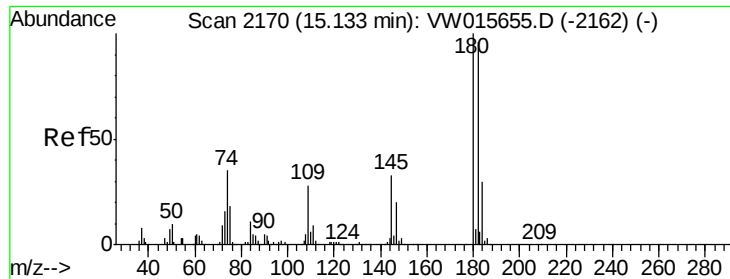
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.047 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	40.8	122.2
157	101.2	50.7	152.1





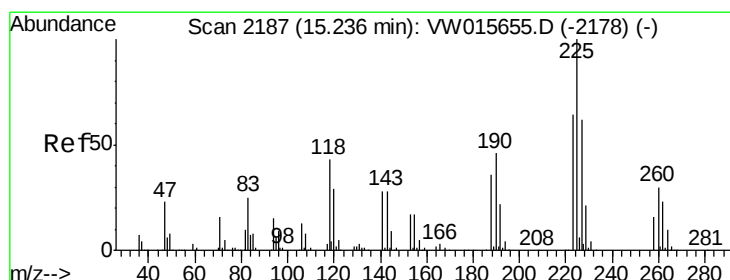
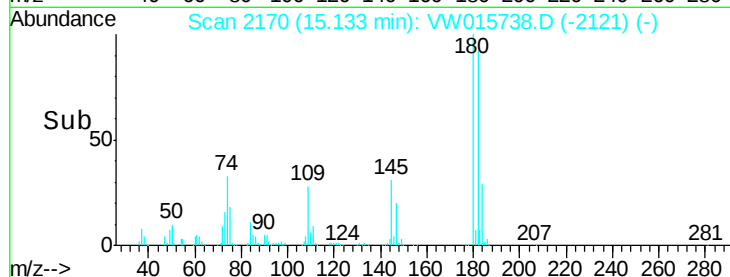
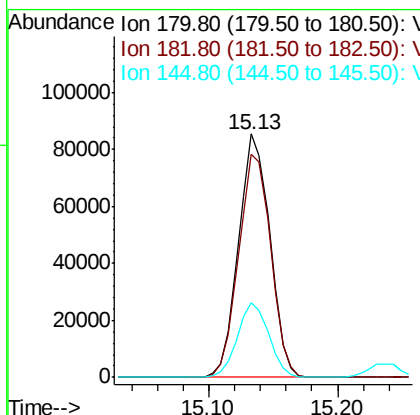
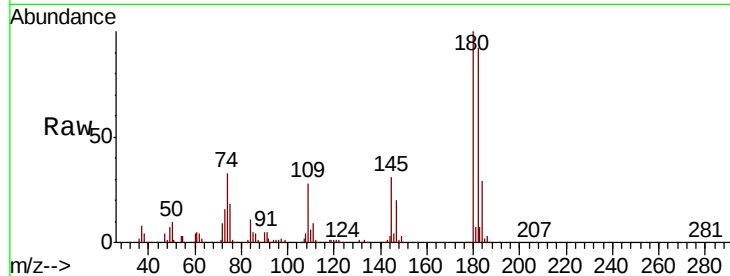
#93
 1,2,4-Trichlorobenzene
 Concen: 51.155 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	143576		
182	94.3	47.9	143.6	
145	30.7	15.6	46.7	

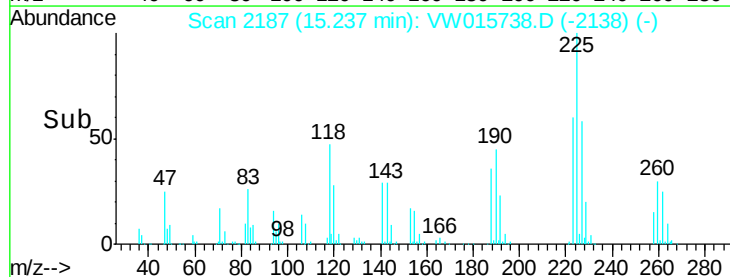
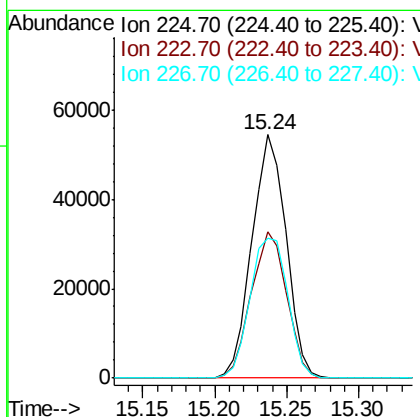
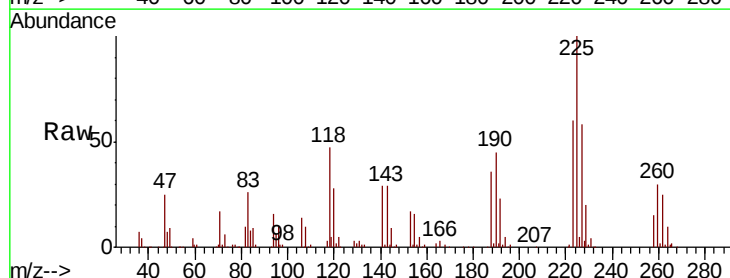
Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:33:57 PM



#94
 Hexachlorobutadiene
 Concen: 49.906 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015738.D
 Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89234		
223	62.4	31.0	93.0	
227	63.9	31.9	95.9	





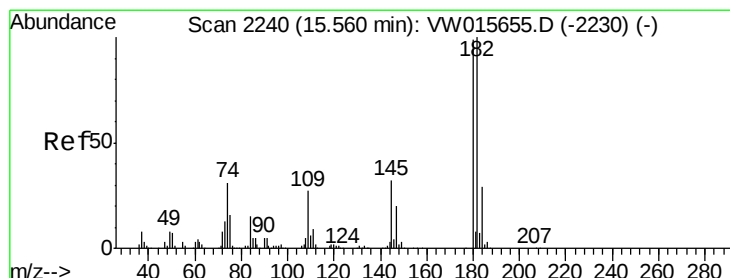
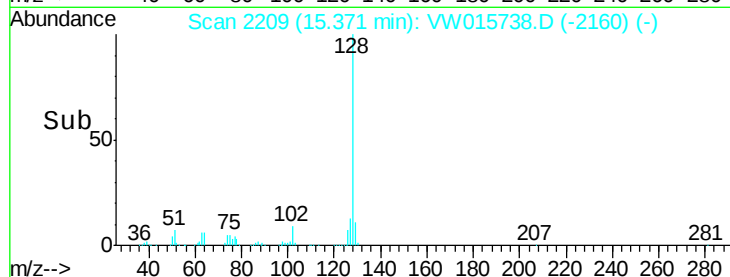
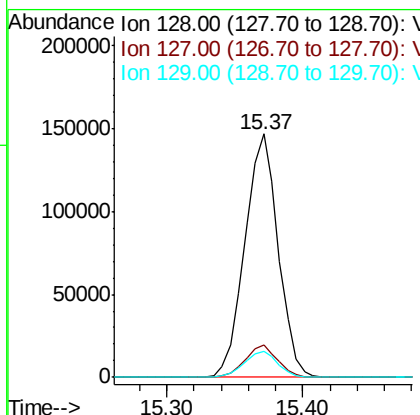
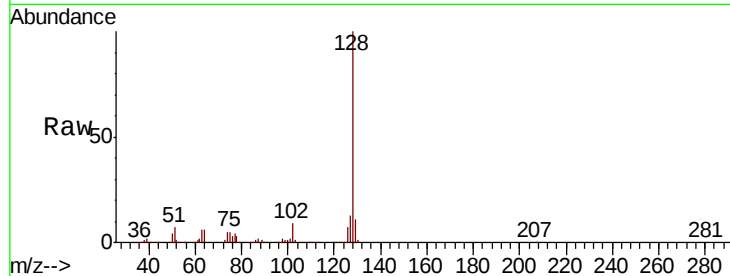
#95
Naphthalene
Concen: 54.052 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:33:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.340 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015738.D
Acq: 26 Jun 2020 09:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.0	147.0
145	32.4	16.4	49.2

