

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015652.D
 Acq On : 23 Jun 2020 10:53
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:58:08 AM

Quant Time: Jun 23 12:53:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 12:41:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	330398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	149001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	12679	5.96	ug/l	0.00
Spiked Amount			Recovery	=	11.92%	
35) Dibromofluoromethane	7.89	113	11415	5.83	ug/l	0.00
Spiked Amount			Recovery	=	11.66%	
50) Toluene-d8	10.33	98	42157	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
62) 4-Bromofluorobenzene	12.62	95	15550	5.40	ug/l	0.00
Spiked Amount			Recovery	=	10.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	4908	4.277	ug/l	97
3) Chloromethane	2.21	50	7547	5.405	ug/l	98
4) Vinyl Chloride	2.36	62	10871	4.959	ug/l	97
5) Bromomethane	2.78	94	8385	5.438	ug/l	99
6) Chloroethane	2.93	64	7220	5.087	ug/l	96
7) Trichlorofluoromethane	3.26	101	7444	4.521	ug/l	99
8) Diethyl Ether	3.68	74	4954	5.110	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.07	101	9811	4.963	ug/l	97
10) Methyl Iodide	4.27	142	14391	4.977	ug/l	99
11) Tert butyl alcohol	5.17	59	6075	37.723	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	9391	4.789	ug/l	96
13) Acrolein	3.89	56	4132	31.234	ug/l	99
14) Allyl chloride	4.67	41	15344	4.664	ug/l	98
15) Acrylonitrile	5.38	53	10273	26.097	ug/l	98
16) Acetone	4.12	43	11051	25.664	ug/l	95
17) Carbon Disulfide	4.38	76	25562	4.372	ug/l	99
18) Methyl Acetate	4.67	43	6683	7.155	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	15328	5.172	ug/l	100
20) Methylene Chloride	4.92	84	14183	6.360	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	11448	5.190	ug/l	87
22) Diisopropyl ether	6.32	45	30981	4.962	ug/l	90
23) Vinyl Acetate	6.26	43	82369	22.492	ug/l	99
24) 1,1-Dichloroethane	6.22	63	20383	5.178	ug/l	98
25) 2-Butanone	7.18	43	15745	28.421	ug/l	98
26) 2,2-Dichloropropane	7.16	77	15043	5.446	ug/l	92
27) cis-1,2-Dichloroethene	7.18	96	11810	4.923	ug/l	92
28) Bromochloromethane	7.51	49	8326	5.642	ug/l	99
29) Tetrahydrofuran	7.54	42	8557	25.886	ug/l	98
30) Chloroform	7.68	83	21215	5.338	ug/l	98
31) Cyclohexane	7.96	56	21270	5.476	ug/l #	80
32) 1,1,1-Trichloroethane	7.88	97	17400	5.050	ug/l	97
36) 1,1-Dichloropropene	8.09	75	15849	4.685	ug/l	99
37) Ethyl Acetate	7.26	43	6873	5.392	ug/l	99
38) Carbon Tetrachloride	8.07	117	15249	4.628	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	17752	4.258	ug/l	98
40) Benzene	8.33	78	44512	4.893	ug/l	96
41) Methacrylonitrile	7.49	41	3356	4.650	ug/l	97
42) 1,2-Dichloroethane	8.40	62	14110	5.109	ug/l	100
43) Isopropyl Acetate	8.43	43	12334	4.876	ug/l	100
44) Trichloroethene	9.10	130	12060	4.950	ug/l	98
45) 1,2-Dichloropropane	9.37	63	11233	5.086	ug/l	98
46) Dibromomethane	9.46	93	5834	5.208	ug/l	100
47) Bromodichloromethane	9.65	83	14348	4.723	ug/l	98
48) Methyl methacrylate	9.44	41	5422	4.677	ug/l	93
49) 1,4-Dioxane	9.45	88	1417	96.038	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	29726	24.724	ug/l	97
52) Toluene	10.39	92	27900	4.750	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	13113	4.415	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	15631	4.431	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	7939	5.078	ug/l	95
56) Ethyl methacrylate	10.65	69	8820	4.371	ug/l	95
57) 1,3-Dichloropropane	10.93	76	14222	5.134	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	20317	21.059	ug/l	98
59) 2-Hexanone	10.97	43	19251	23.292	ug/l	98
60) Dibromochloromethane	11.13	129	8307	4.367	ug/l	97
61) 1,2-Dibromoethane	11.24	107	7484	5.009	ug/l	98
64) Tetrachloroethene	10.87	164	10545	5.123	ug/l	98
65) Chlorobenzene	11.66	112	30844	4.976	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	10137	4.586	ug/l	96
67) Ethyl Benzene	11.73	91	54101	4.635	ug/l	99
68) m/p-Xylenes	11.84	106	39609	9.088	ug/l	94
69) o-Xylene	12.16	106	18157	4.488	ug/l	97
70) Styrene	12.18	104	30076	4.353	ug/l	99
71) Bromoform	12.35	173	4197	4.020	ug/l #	94
73) Isopropylbenzene	12.47	105	51004	4.466	ug/l	100
74) N-amyl acetate	12.27	43	11082	4.622	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	8928	5.148	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	6618m	5.276	ug/l	
77) Bromobenzene	12.75	156	12358	5.014	ug/l	98
78) n-propylbenzene	12.80	91	62359	4.558	ug/l	100
79) 2-Chlorotoluene	12.90	91	35853	4.642	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	43126	4.469	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2082	3.674	ug/l #	85
82) 4-Chlorotoluene	12.99	91	38065	4.755	ug/l	99
83) tert-Butylbenzene	13.21	119	36026	4.395	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	43597	4.530	ug/l	98
85) sec-Butylbenzene	13.38	105	51460	4.419	ug/l	100
86) p-Isopropyltoluene	13.50	119	45709	4.303	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	24120	4.922	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	24934	5.150	ug/l	94
89) n-Butylbenzene	13.82	91	44396	4.338	ug/l	99
90) Hexachloroethane	14.10	117	8414	4.323	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	20631	4.847	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1304	4.408	ug/l	97

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MSVOA_W
ClientSampleId :
VSTDICC005

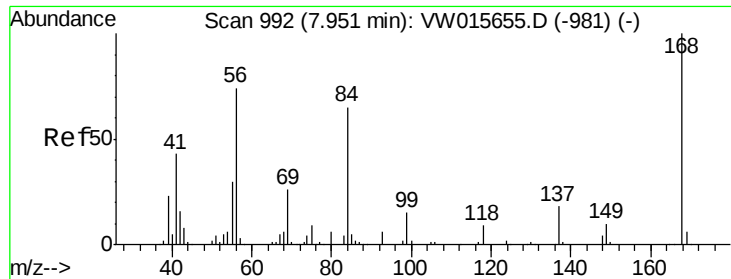
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	12938	4.413	ug/l	98
94) Hexachlorobutadiene	15.24	225	8398	4.651	ug/l	97
95) Naphthalene	15.37	128	18963	3.887	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	11364	4.632	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 202155

Ion Ratio Lower Upper

168 100

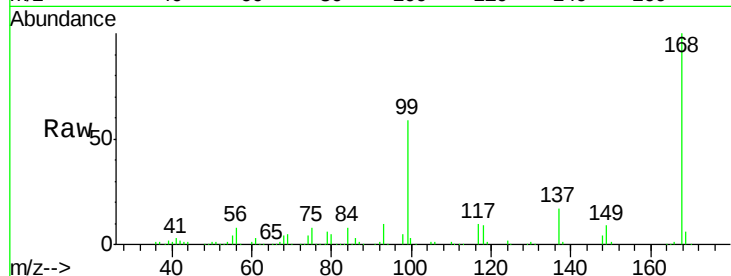
99 58.8 48.6 73.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

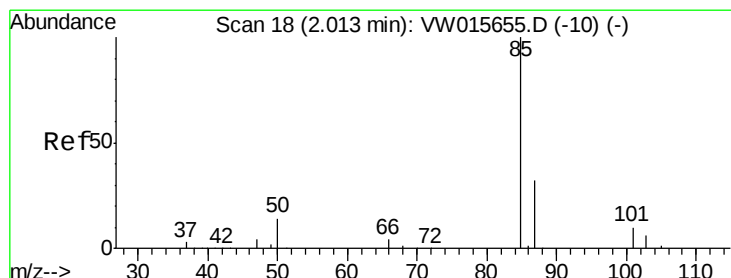
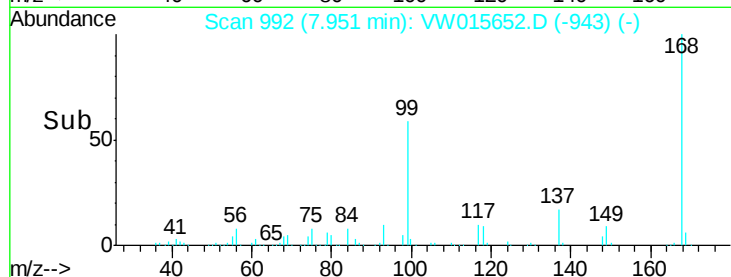
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.277 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015652.D

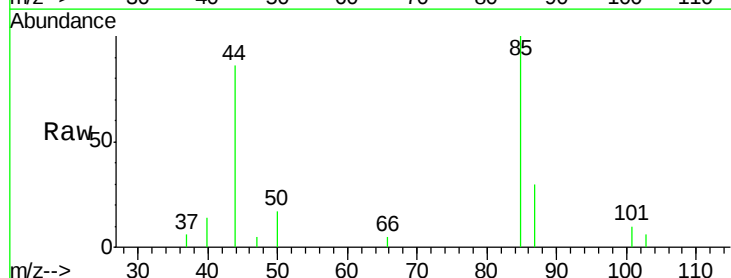
Acq: 23 Jun 2020 10:53

Tgt Ion: 85 Resp: 4908

Ion Ratio Lower Upper

85 100

87 30.2 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

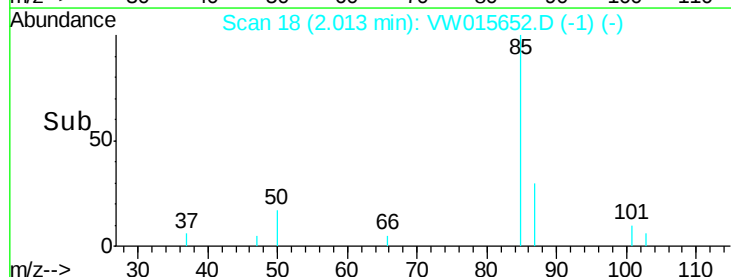
1500

1000

500

0

Time-->





#3

Chloromethane

Concen: 5.405 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 7547

Ion Ratio Lower Upper

50 100

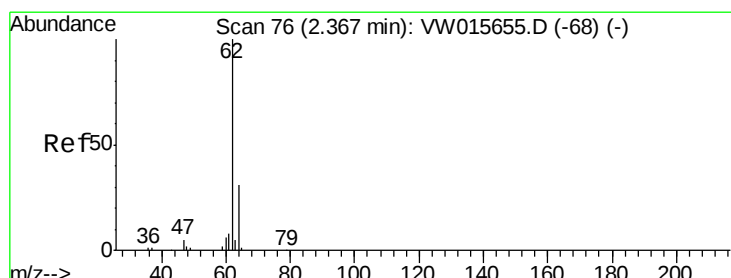
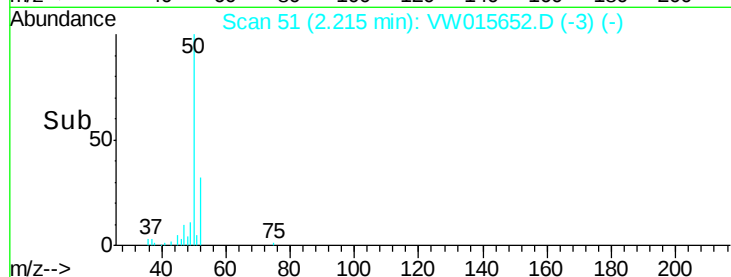
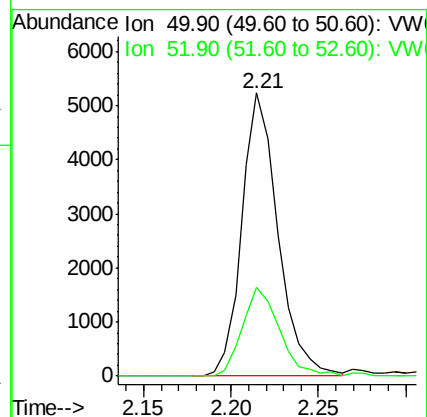
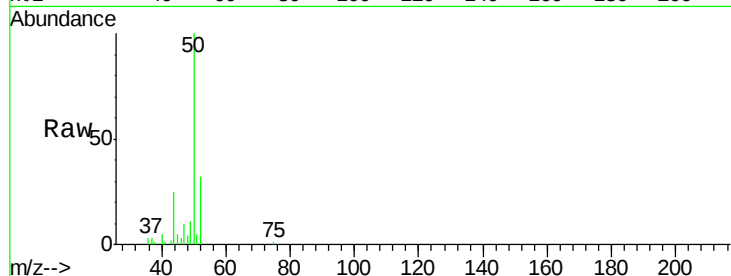
52 31.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 4.959 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015652.D

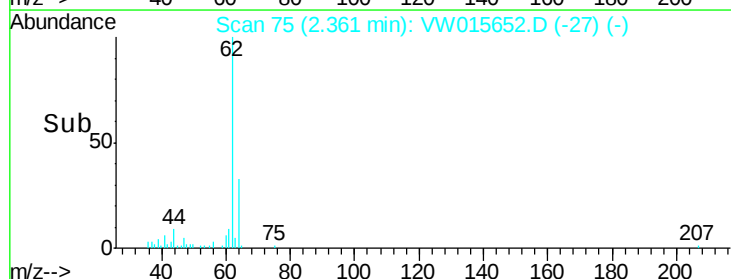
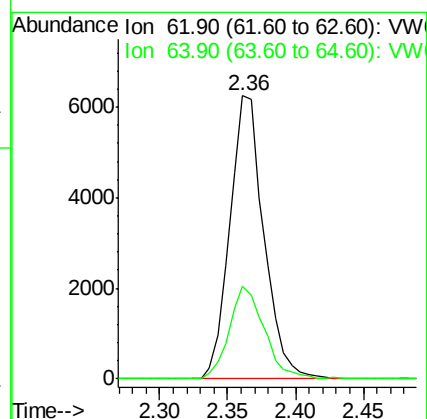
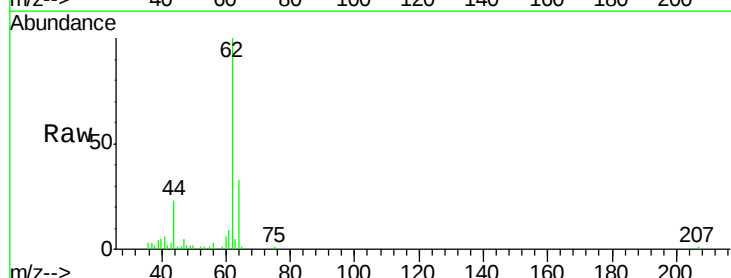
Acq: 23 Jun 2020 10:53

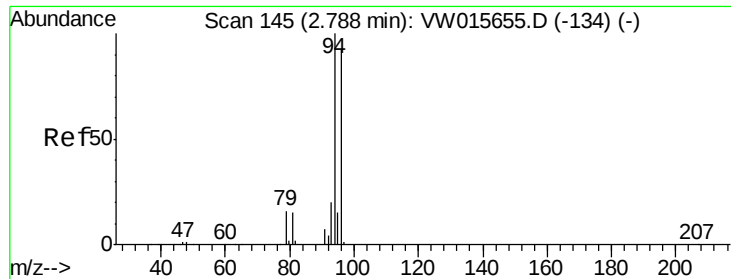
Tgt Ion: 62 Resp: 10871

Ion Ratio Lower Upper

62 100

64 32.8 25.1 37.7





#5

Bromomethane

Concen: 5.438 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8385

Ion Ratio Lower Upper

94 100

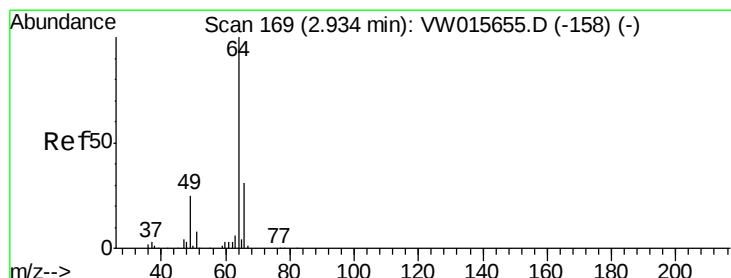
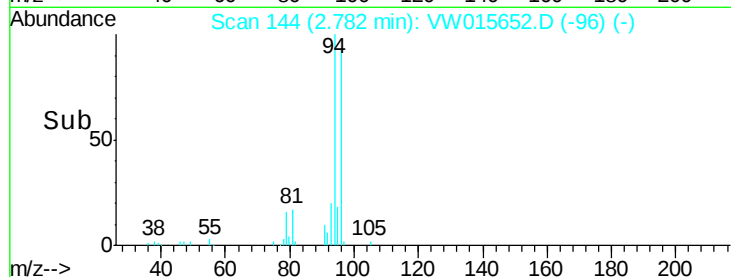
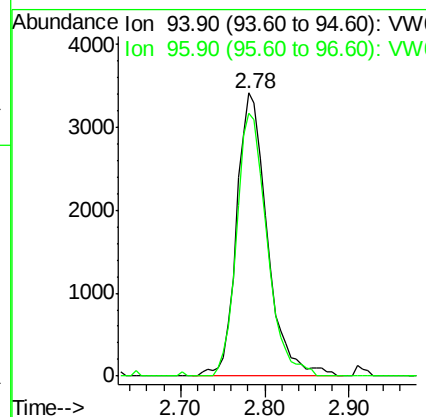
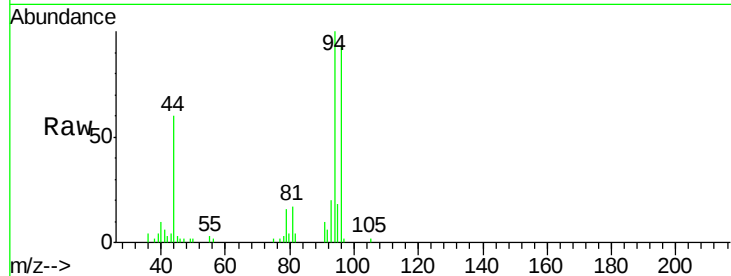
96 93.0 73.8 110.6

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#6

Chloroethane

Concen: 5.087 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015652.D

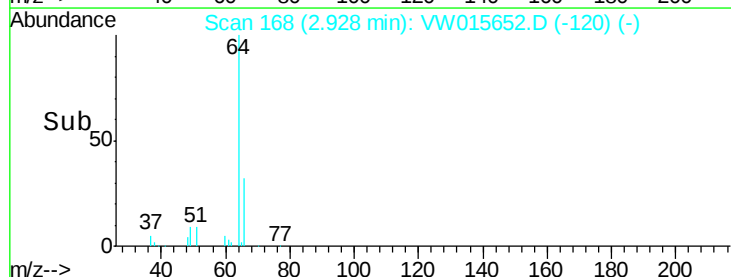
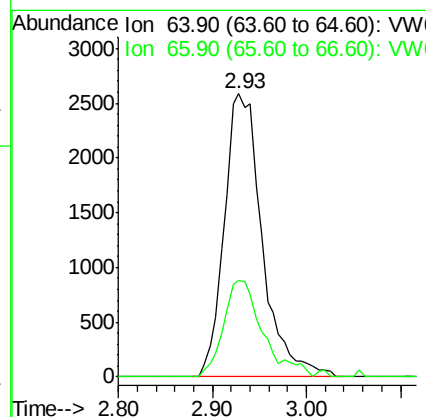
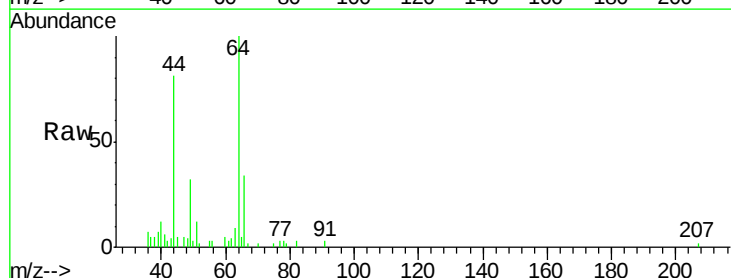
Acq: 23 Jun 2020 10:53

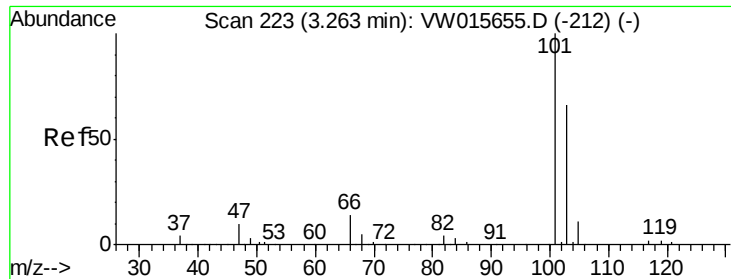
Tgt Ion: 64 Resp: 7220

Ion Ratio Lower Upper

64 100

66 34.0 25.3 37.9





#7

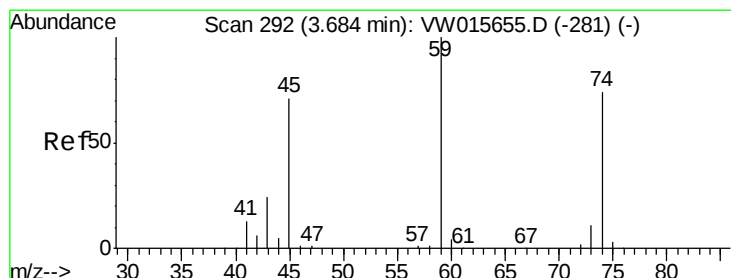
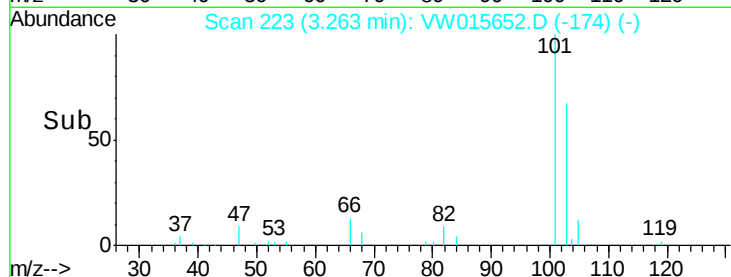
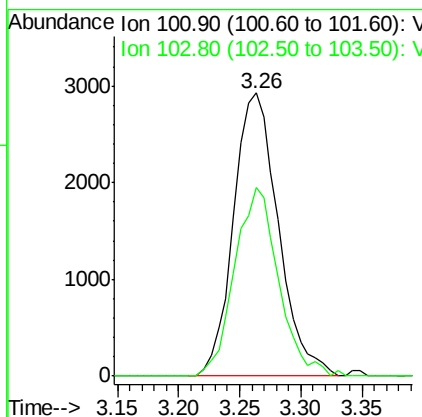
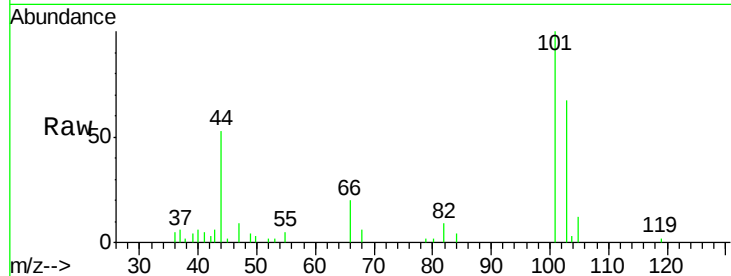
Trichlorofluoromethane
Concen: 4.521 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015652.D
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.6	78.8

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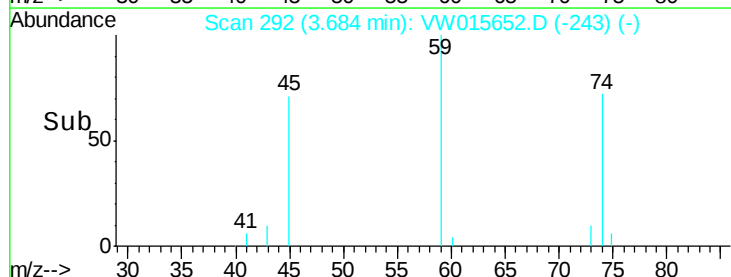
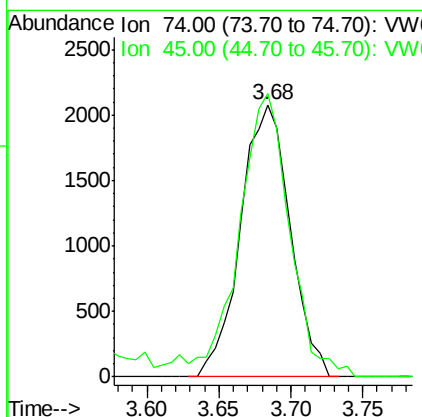
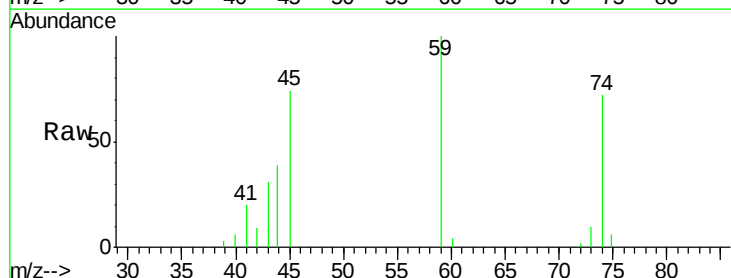
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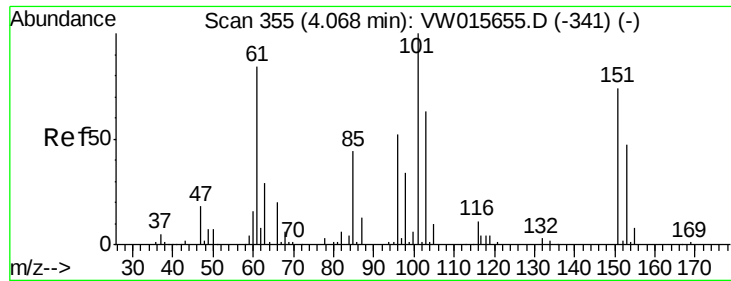


#8

Diethyl Ether
Concen: 5.110 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.963 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

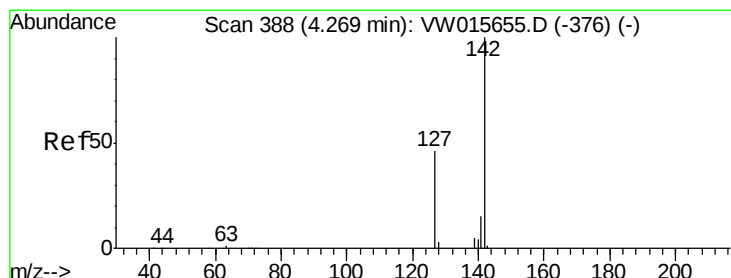
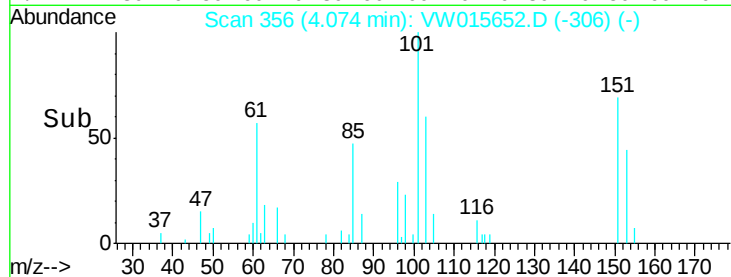
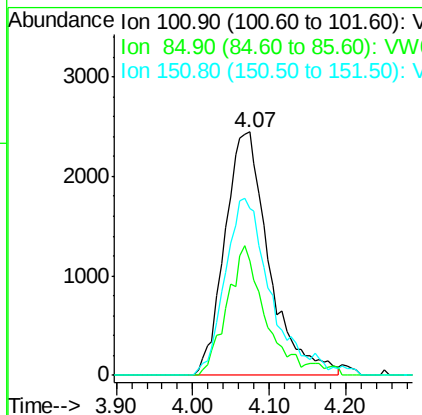
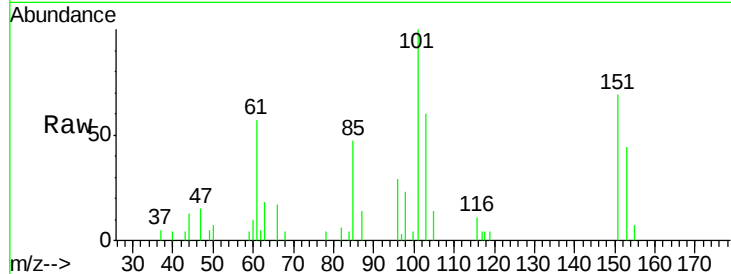
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	9811
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	55.0
151	72.3	60.4	90.6

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#10

Methyl Iodide

Concen: 4.977 ug/l

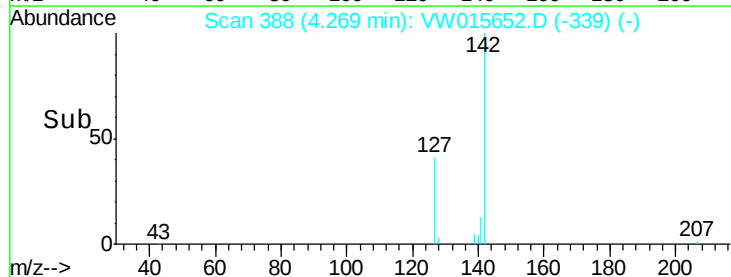
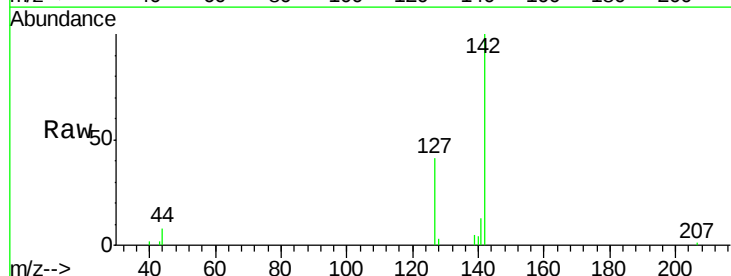
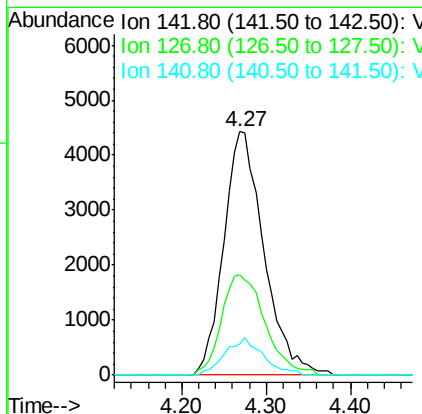
RT: 4.27 min Scan# 388

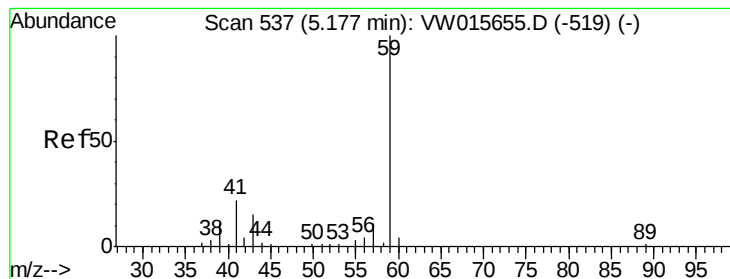
Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Tgt Ion:	142	Resp:	14391
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.4	54.6
141	14.4	11.6	17.4





#11

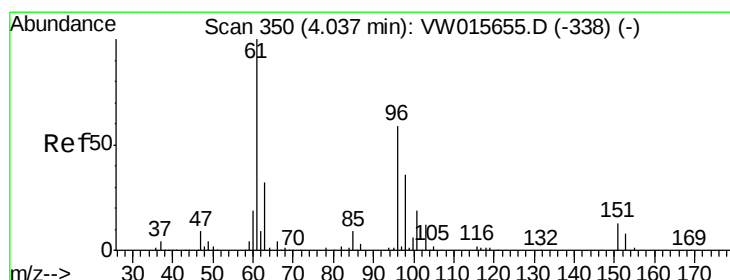
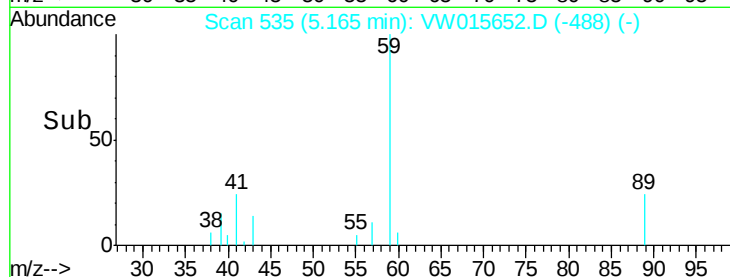
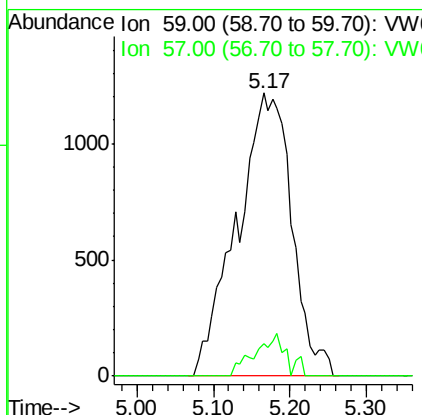
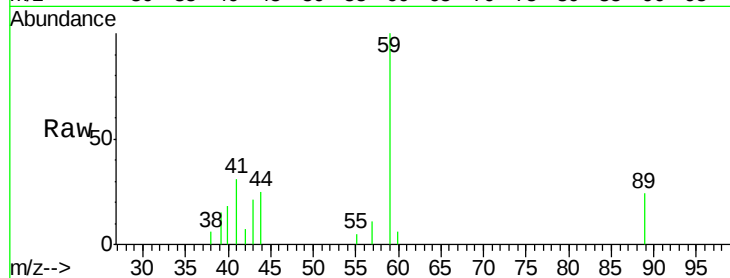
Tert butyl alcohol
 Concen: 37.723 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.8	8.4	12.6#

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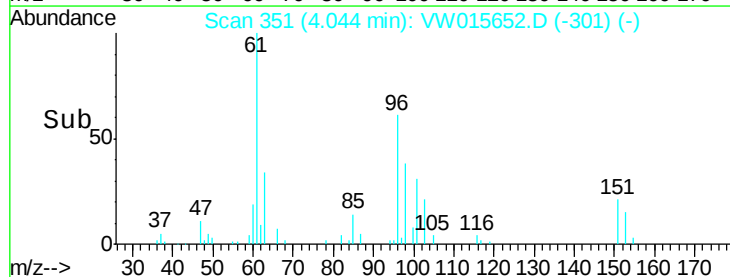
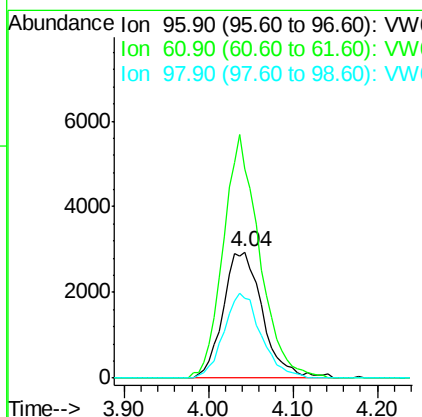
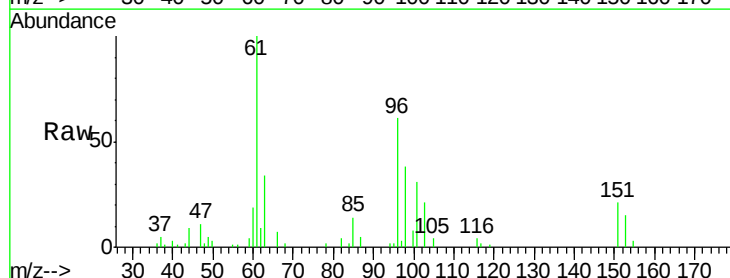
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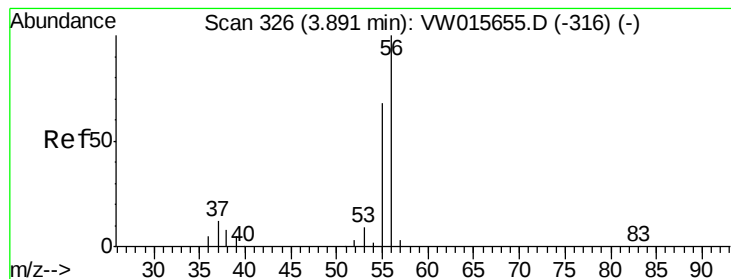


#12

1,1-Dichloroethene
 Concen: 4.789 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.2	136.7	205.1
98	63.5	49.2	73.8





#13

Acrolein

Concen: 31.234 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 4132

Ion Ratio Lower Upper

56 100

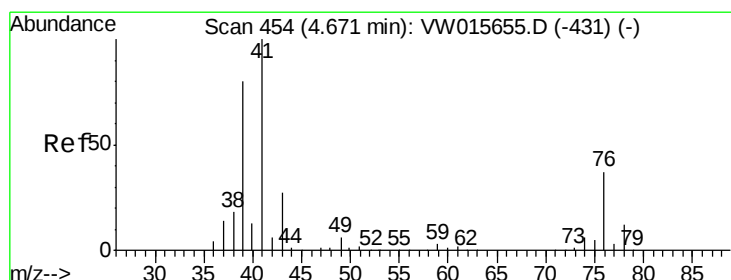
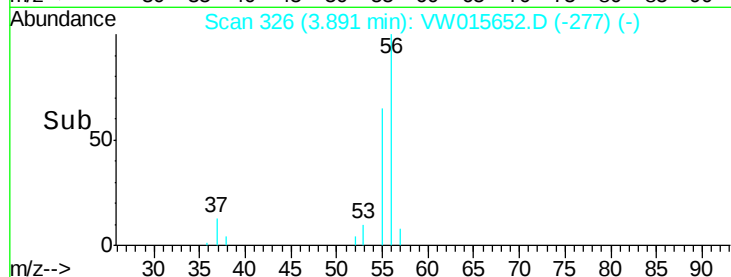
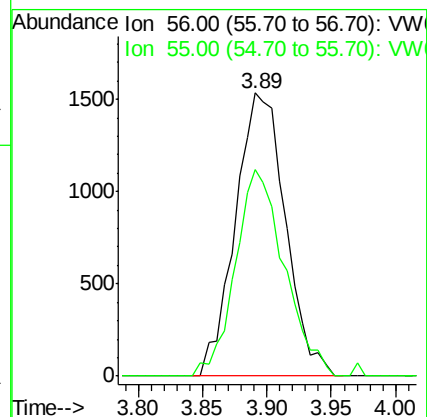
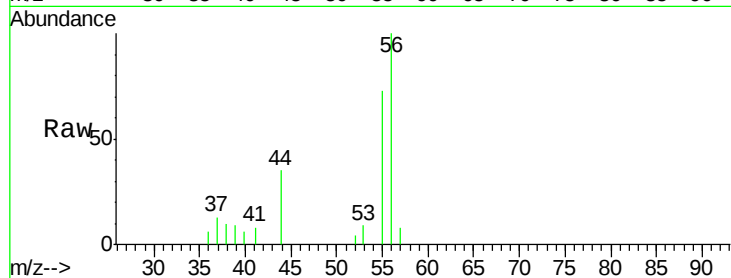
55 71.4 56.2 84.2

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#14

Allyl chloride

Concen: 4.664 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

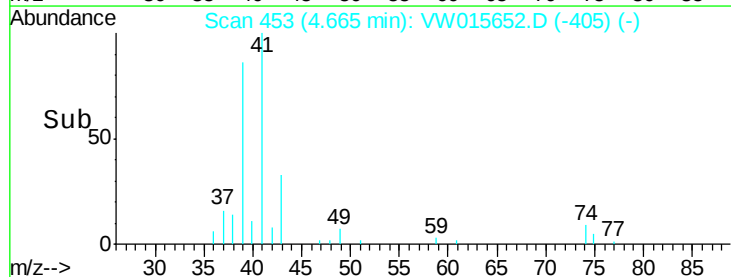
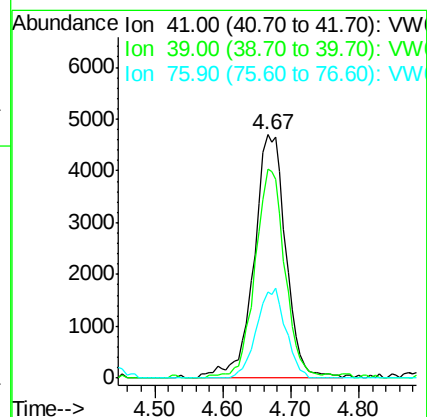
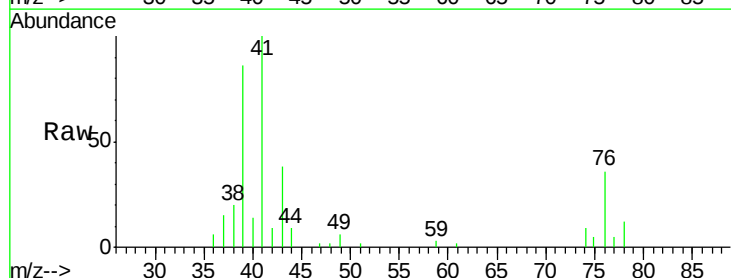
Tgt Ion: 41 Resp: 15344

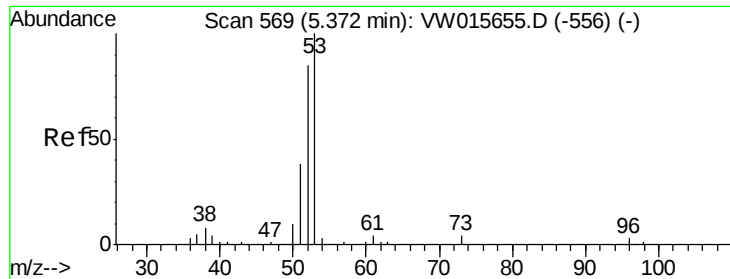
Ion Ratio Lower Upper

41 100

39 80.7 64.6 97.0

76 33.7 29.1 43.7





#15

Acrylonitrile

Concen: 26.097 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

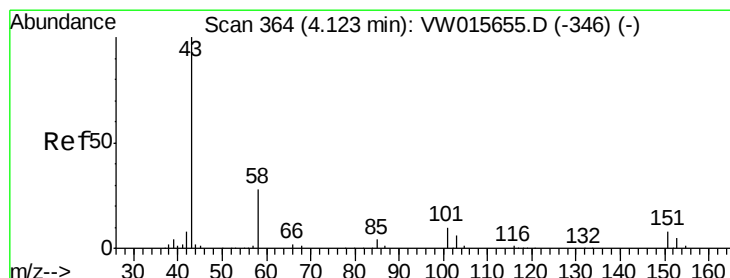
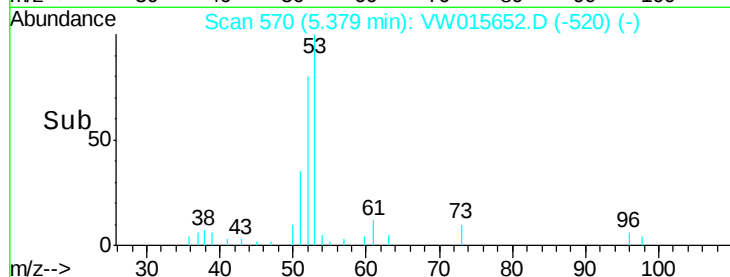
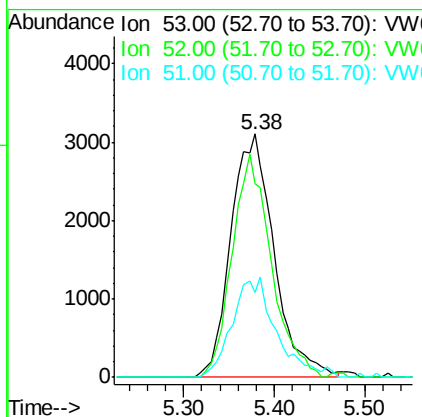
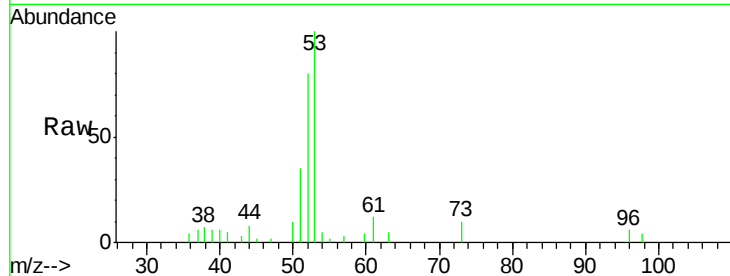
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10273
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.8	98.6
51	41.5	30.7	46.1

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#16

Acetone

Concen: 25.664 ug/l

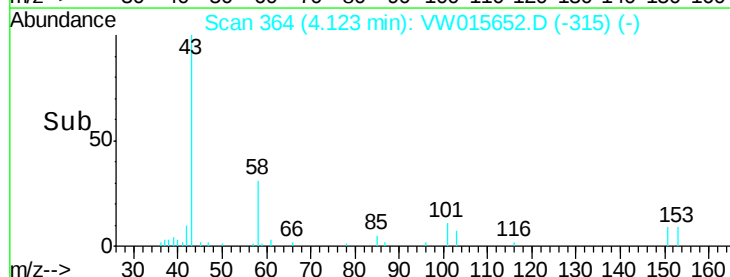
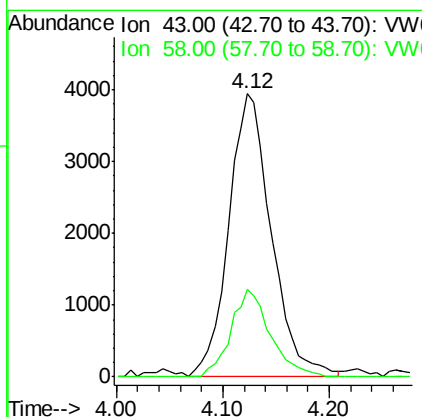
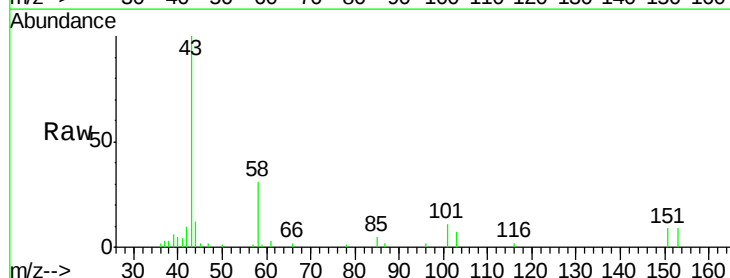
RT: 4.12 min Scan# 364

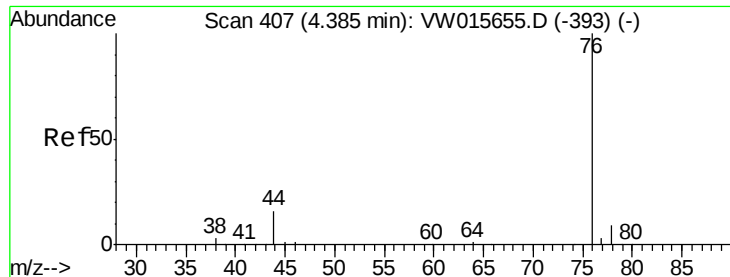
Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Tgt Ion:	43	Resp:	11051
Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.6	33.8





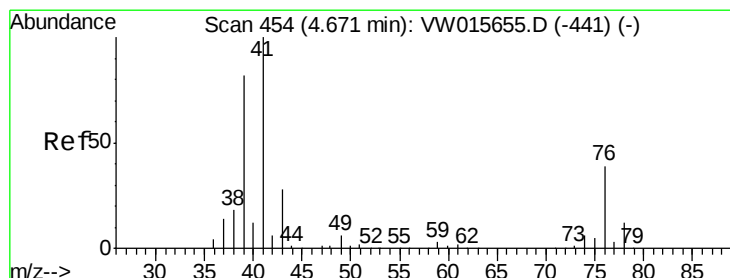
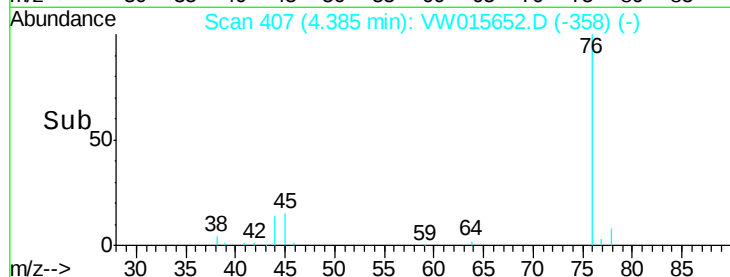
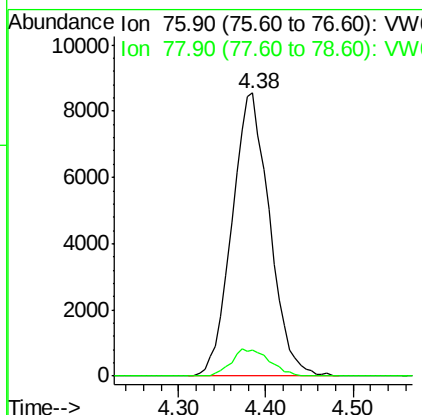
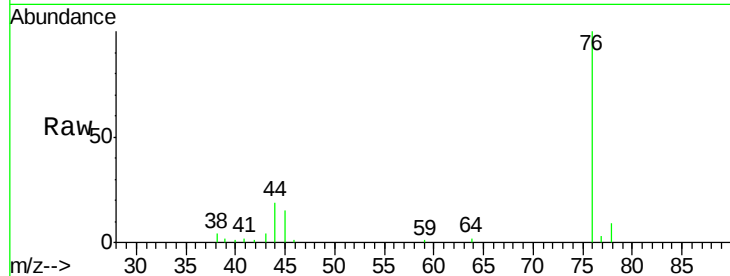
#17
Carbon Disulfide
Concen: 4.372 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 25562
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

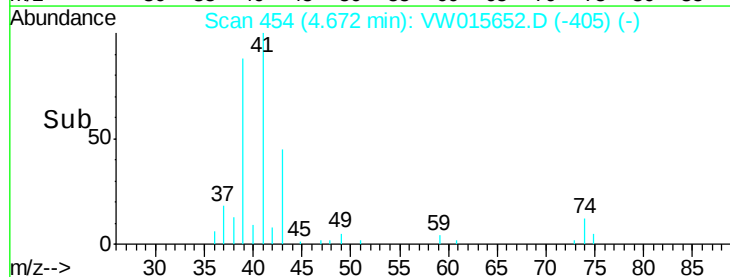
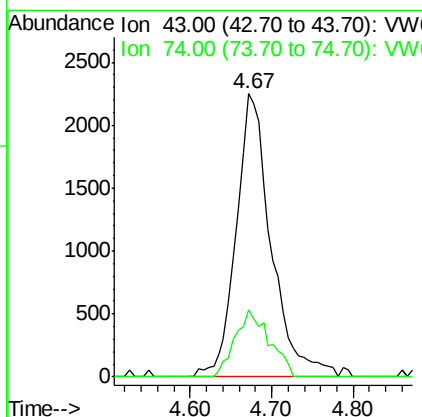
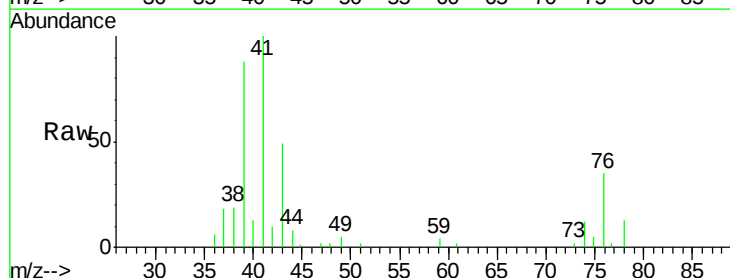
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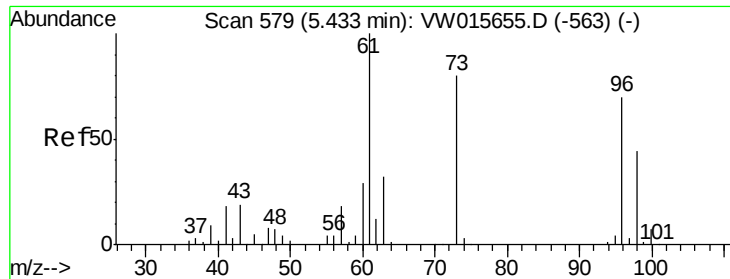
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#18
Methyl Acetate
Concen: 7.155 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion: 43 Resp: 6683
Ion Ratio Lower Upper
43 100
74 23.1 19.0 28.6





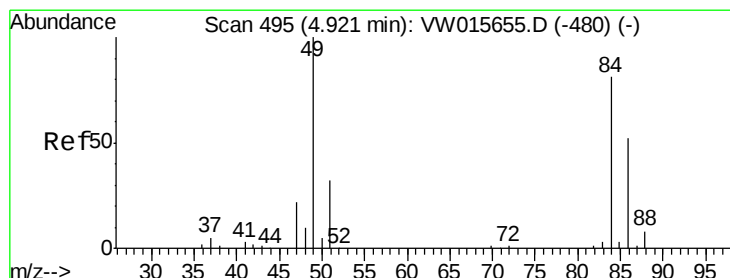
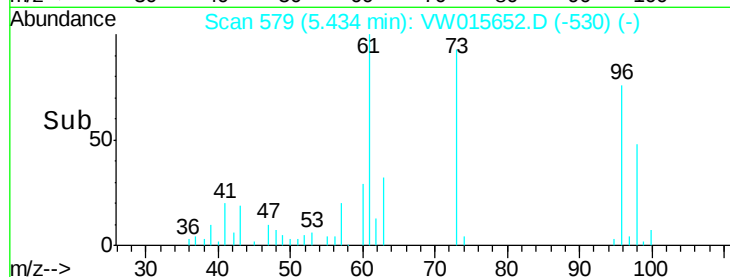
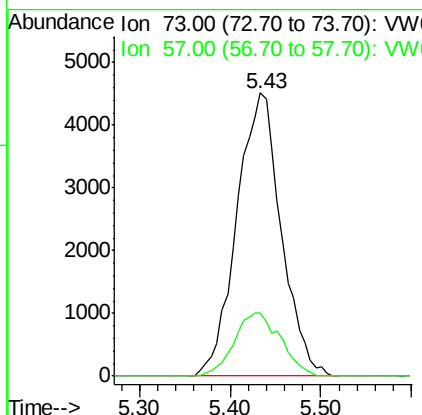
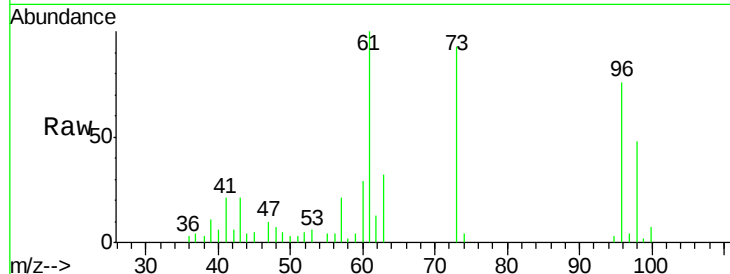
#19
Methvl tert-butvl Ether
Concen: 5.172 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 15328
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1

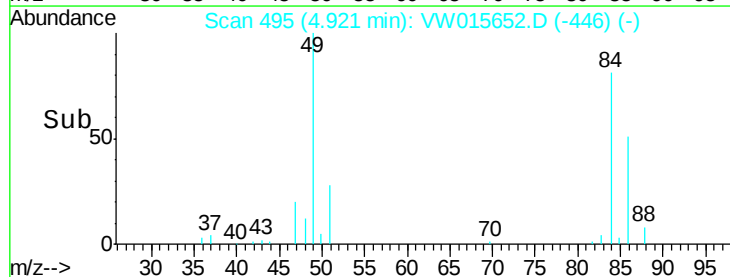
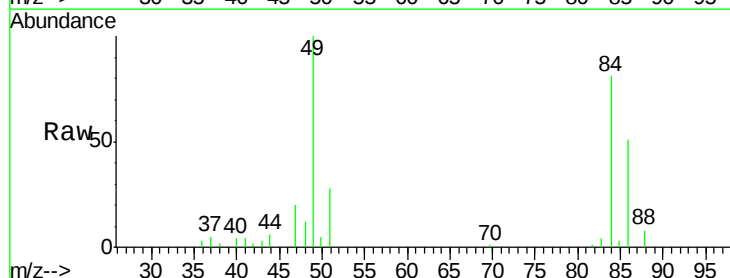
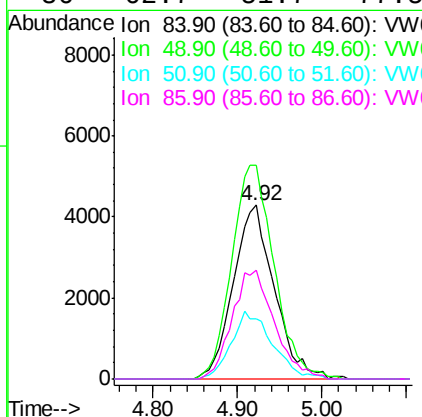
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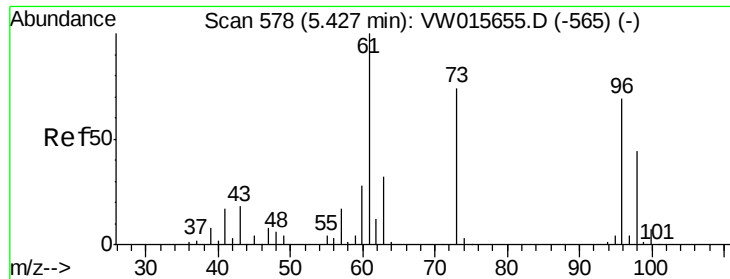
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#20
Methylene Chloride
Concen: 6.360 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion: 84 Resp: 14183
Ion Ratio Lower Upper
84 100
49 122.8 99.3 148.9
51 34.9 31.8 47.6
86 62.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 5.190 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 11448

Ion Ratio Lower Upper

96 100

61 128.8 116.2 174.2

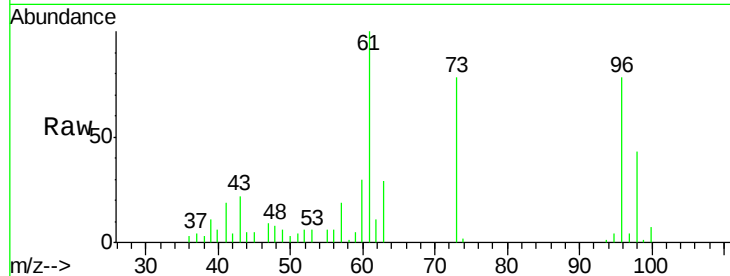
98 55.5 51.4 77.0

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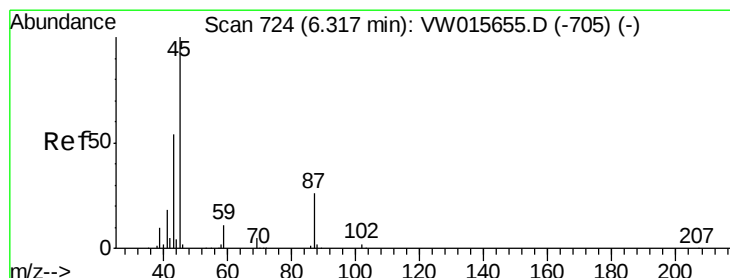
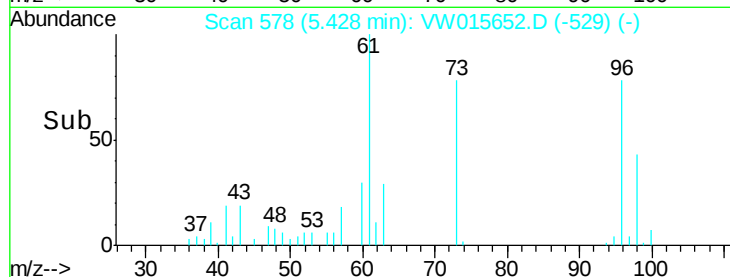
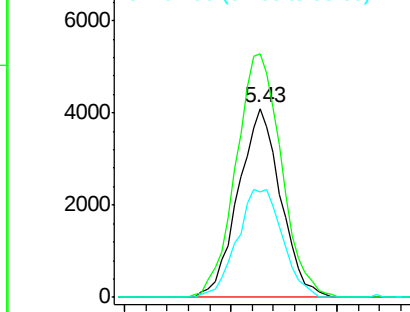
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 4.962 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Tgt Ion: 45 Resp: 30981

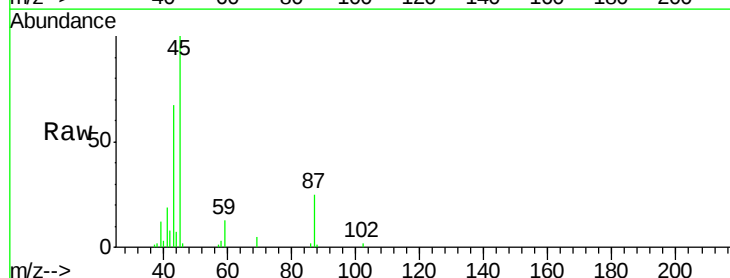
Ion Ratio Lower Upper

45 100

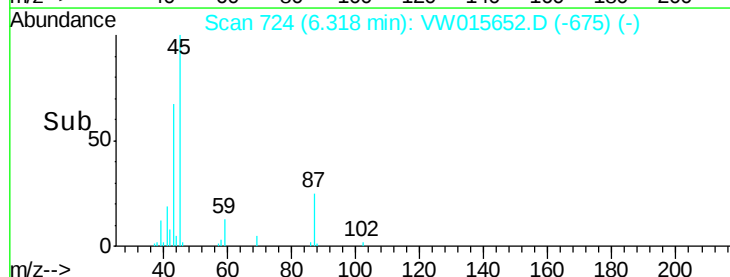
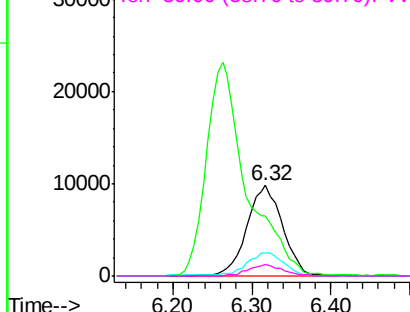
43 65.8 43.9 65.9

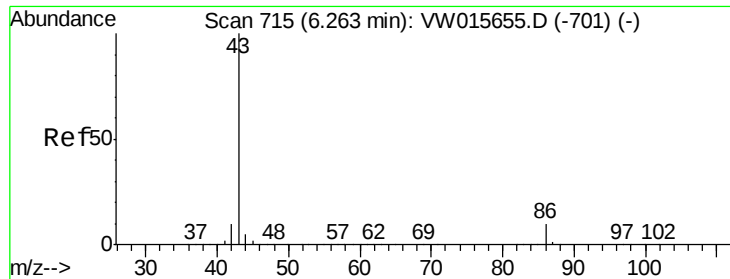
87 25.3 21.2 31.8

59 12.6 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: 22.492 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 82369

Ion Ratio Lower Upper

43 100

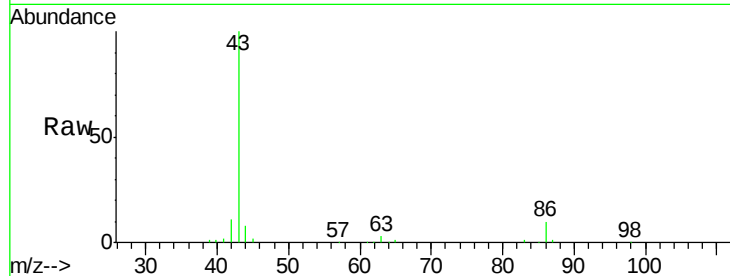
86 10.2 8.3 12.5

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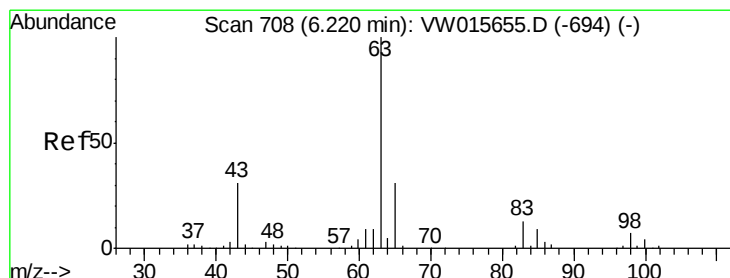
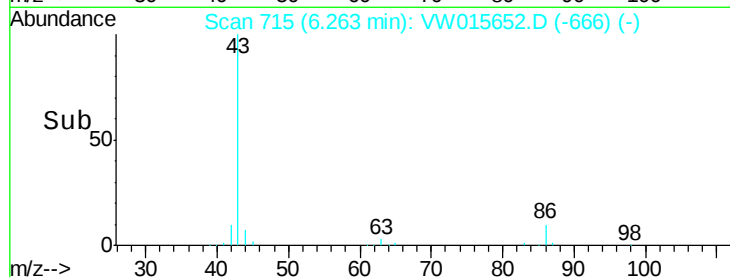
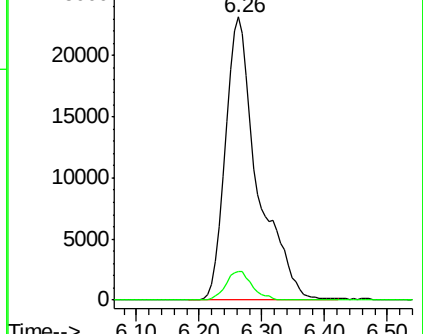
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 5.178 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

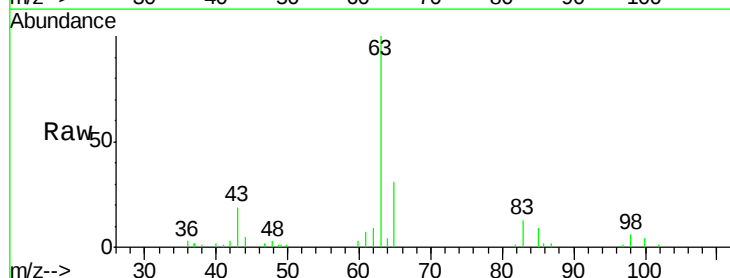
Tgt Ion: 63 Resp: 20383

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

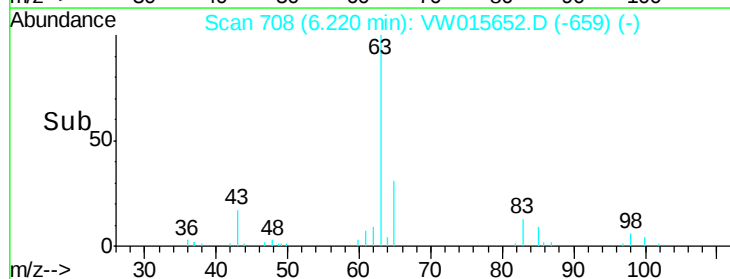
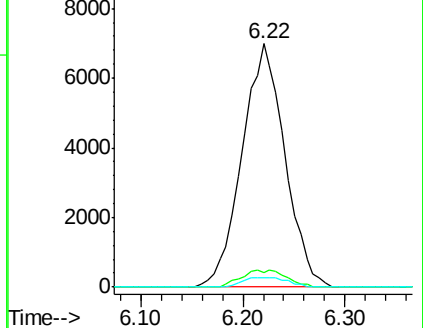
100 3.9 2.1 6.3

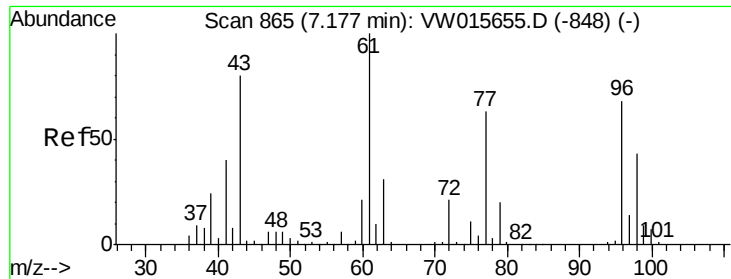


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





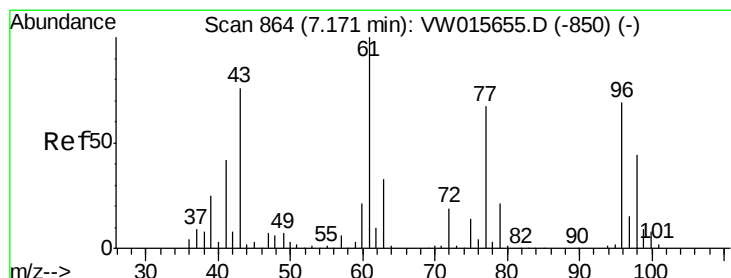
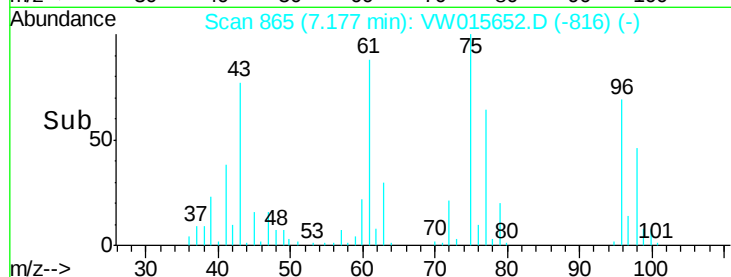
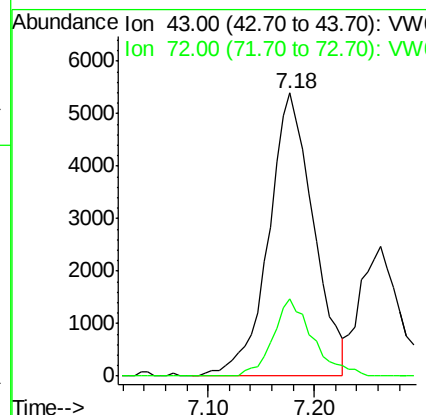
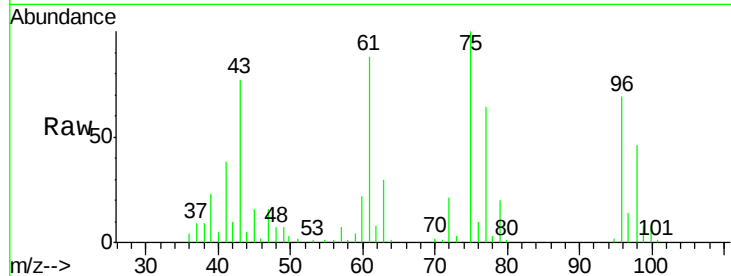
#25
 2-Butanone
 Concen: 28.421 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 43 Resp: 15745
 Ion Ratio Lower Upper
 43 100
 72 27.3 21.1 31.7

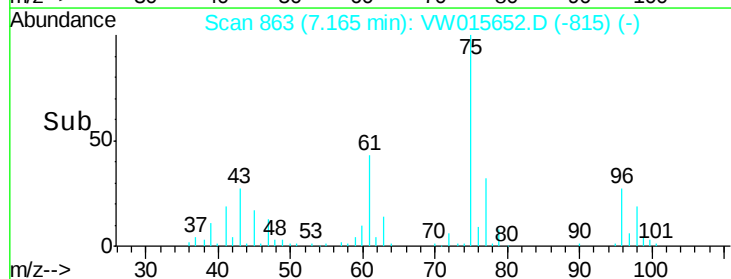
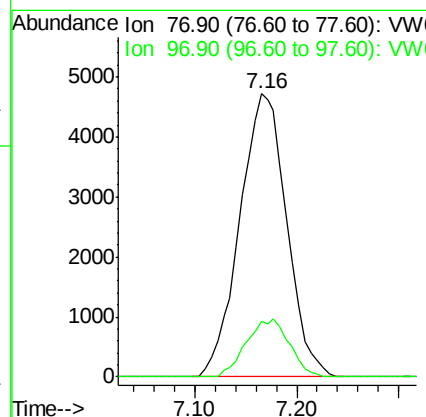
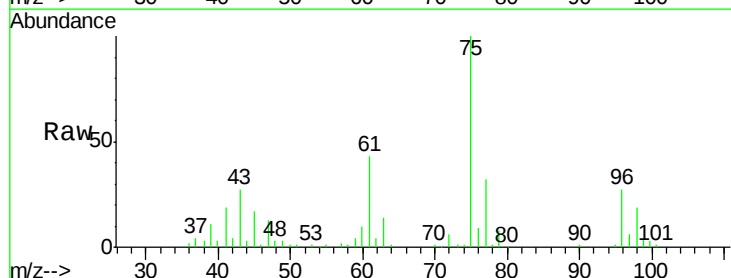
Manual Integrations
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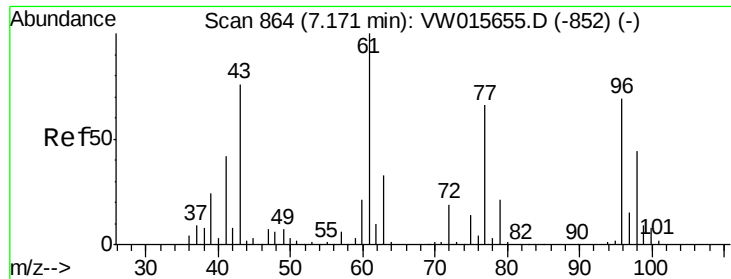
MMDadoda
 6/24/2020 10:58:08 AM



#26
 2,2-Dichloropropane
 Concen: 5.446 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Tgt Ion: 77 Resp: 15043
 Ion Ratio Lower Upper
 77 100
 97 18.7 11.2 33.5





#27

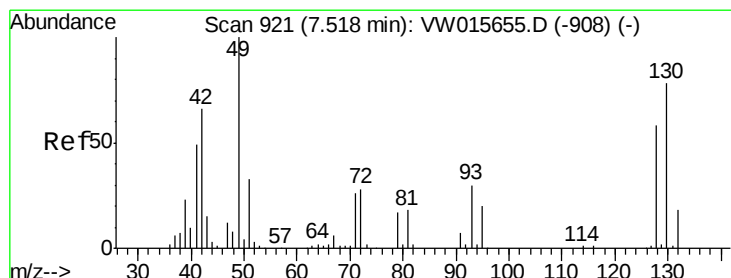
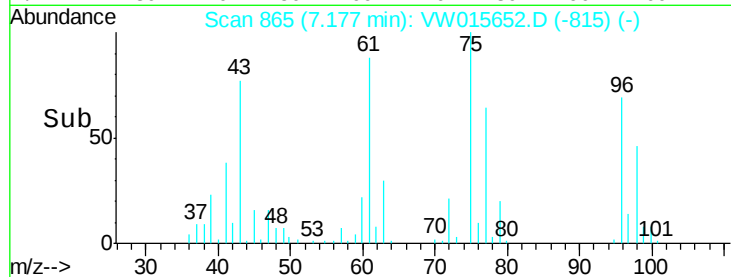
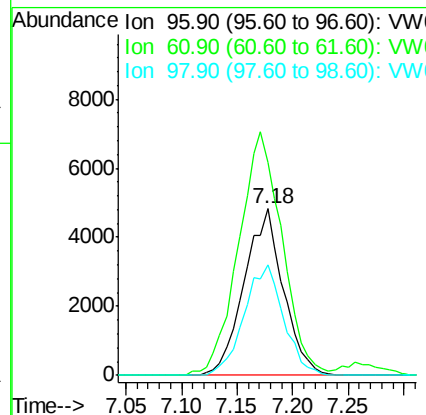
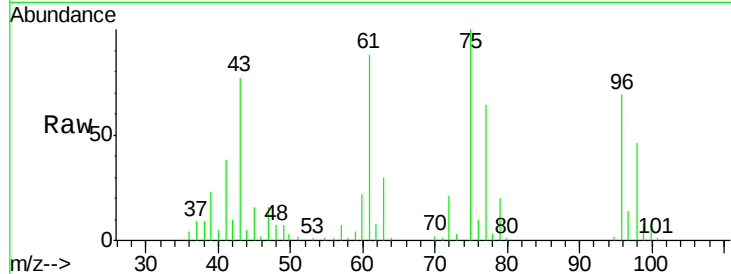
cis-1,2-Dichloroethene
Concen: 4.923 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	296.8
98	66.6	0.0	128.0

Manual Integrations
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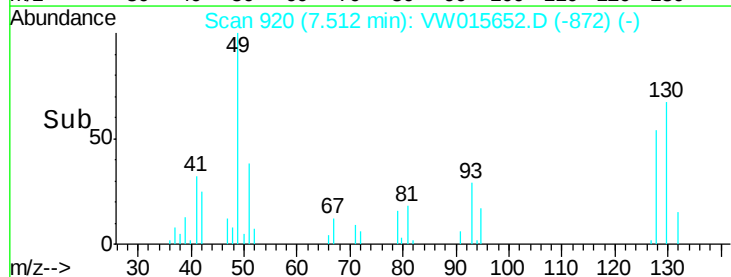
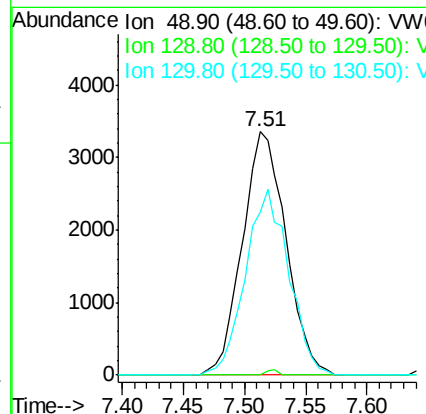
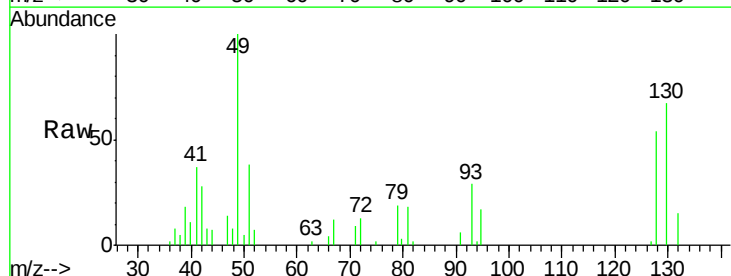
MMDadoda
6/24/2020 10:58:08 AM

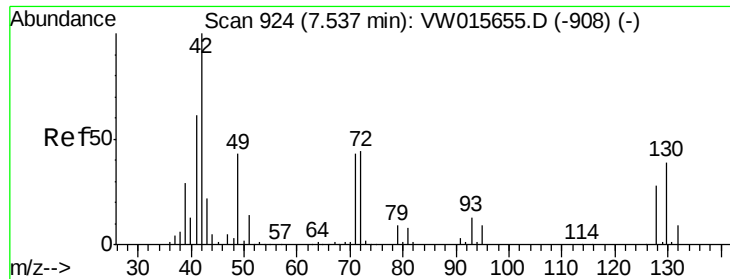


#28

Bromochloromethane
Concen: 5.642 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.2
130	75.5	61.0	91.4





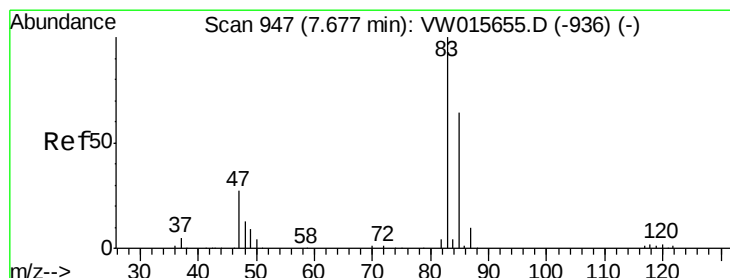
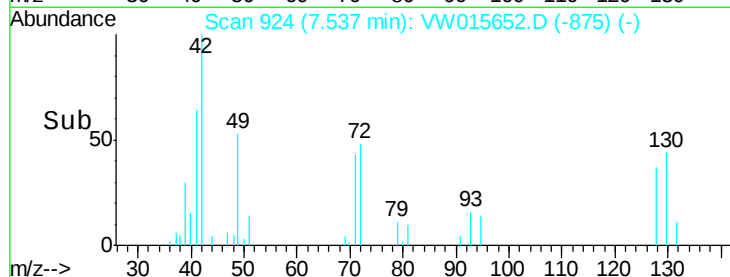
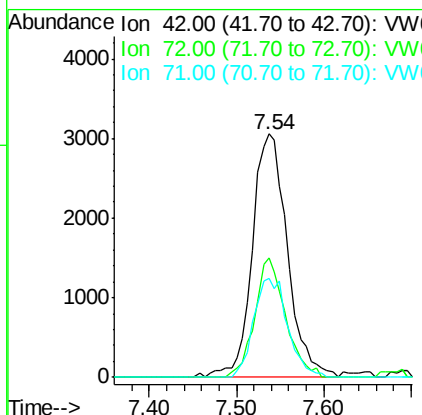
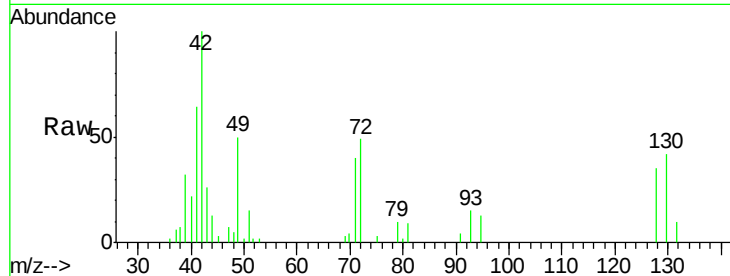
#29
Tetrahydrofuran
Concen: 25.886 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	35.0	52.6
71	39.2	32.6	49.0

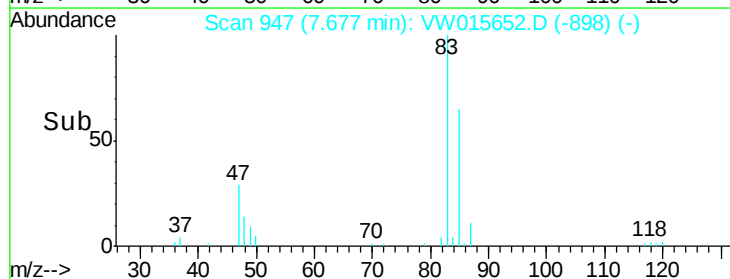
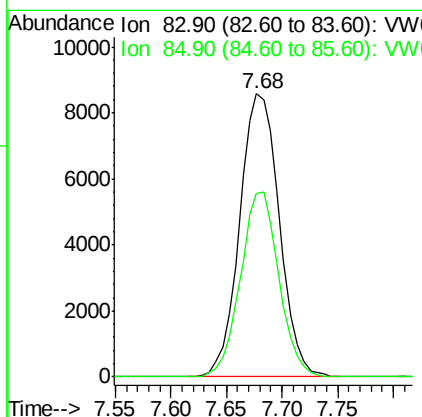
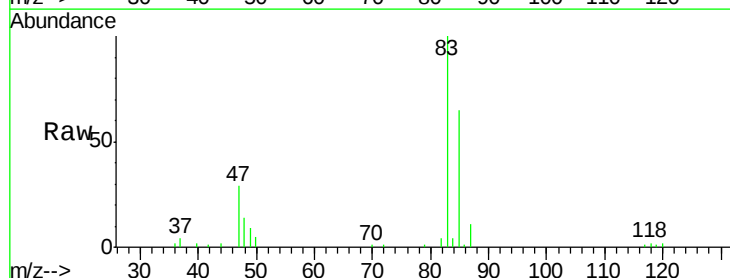
Manual Integrations
APPROVED

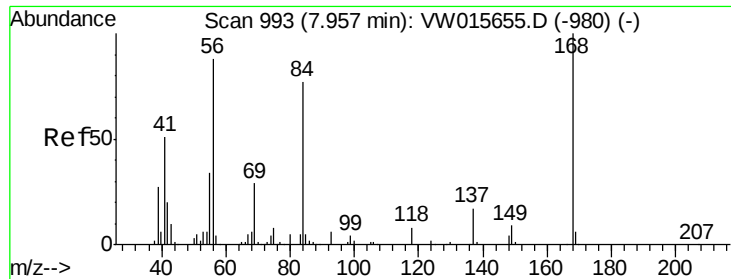
MMDadoda
6/24/2020 10:58:08 AM



#30
Chloroform
Concen: 5.338 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.4





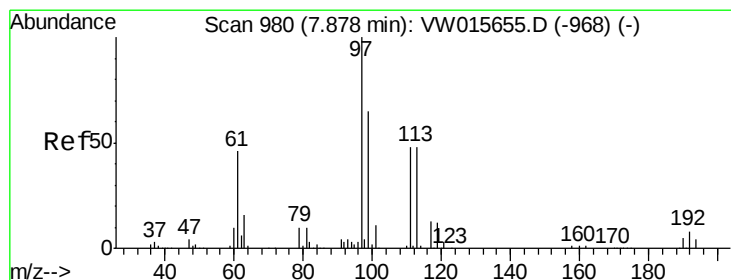
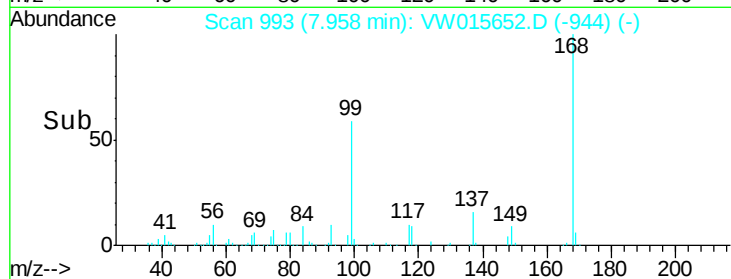
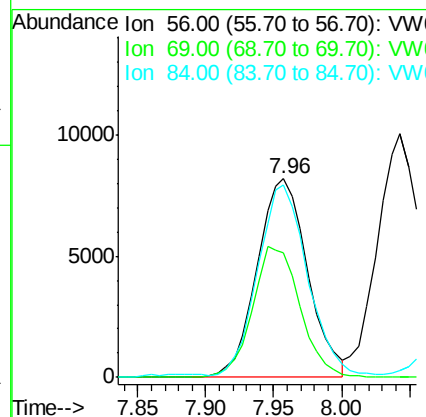
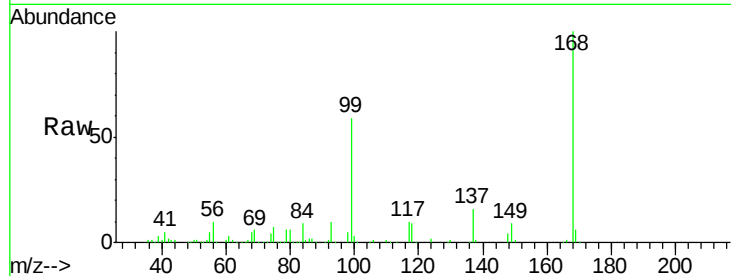
#31
Cyclohexane
Concen: 5.476 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	62.7	26.2	39.4#
84	95.7	70.4	105.6

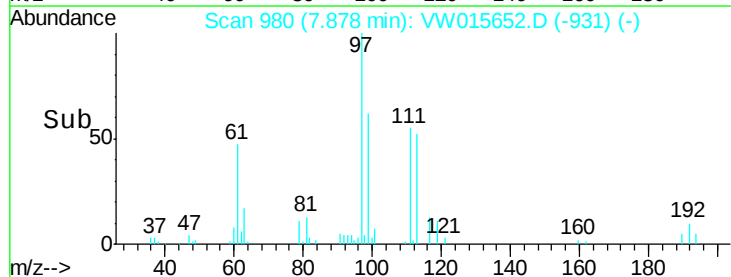
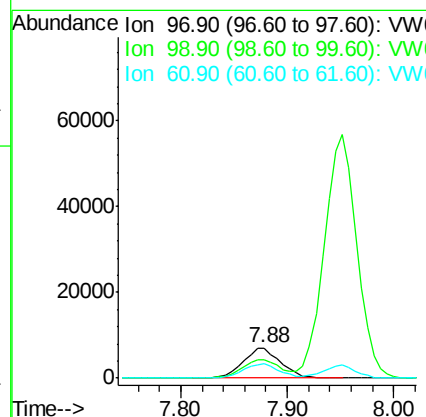
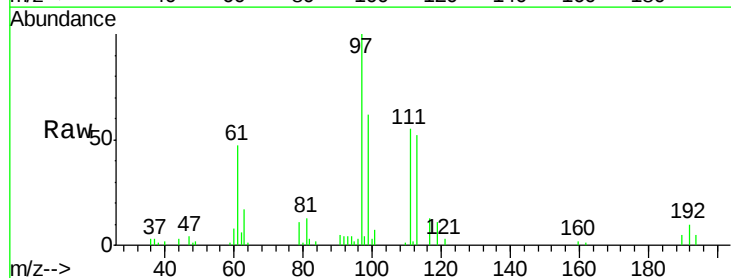
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#32
1,1,1-Trichloroethane
Concen: 5.050 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.3	51.9	77.9
61	46.6	37.3	55.9





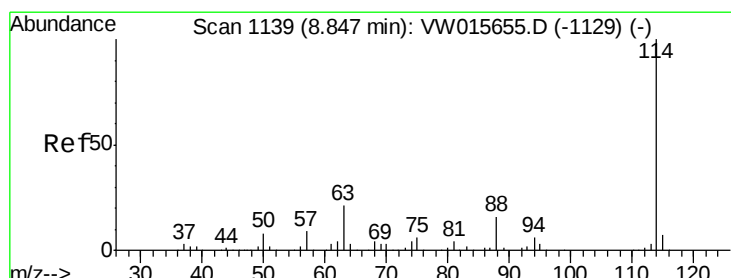
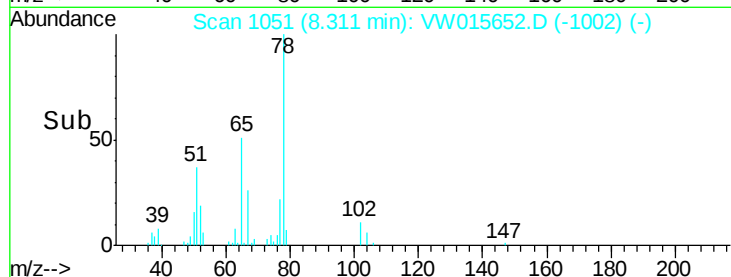
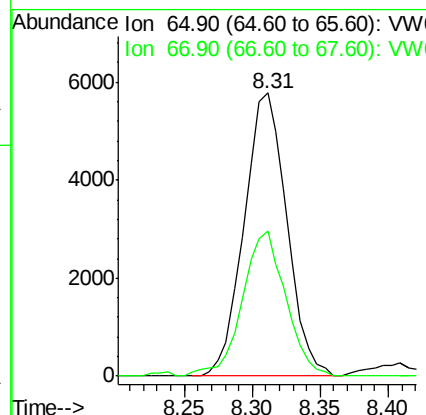
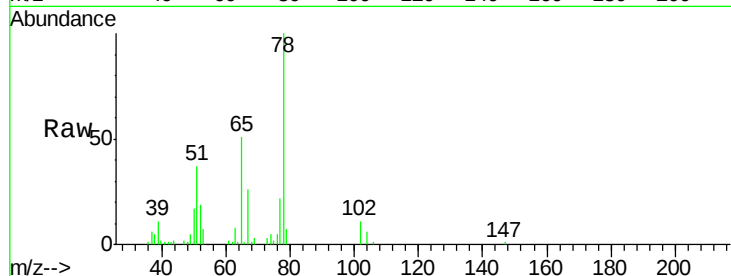
#33
 1,2-Dichloroethane-d4
 Concen: 5.957 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.2

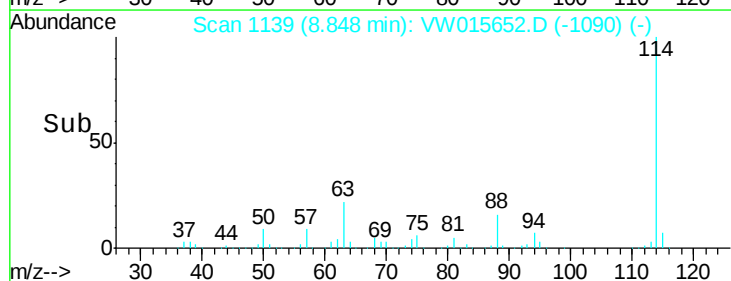
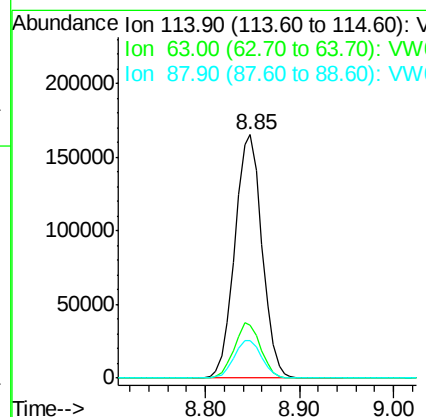
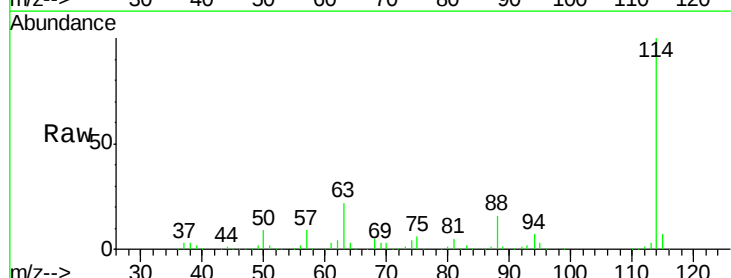
Manual Integrations
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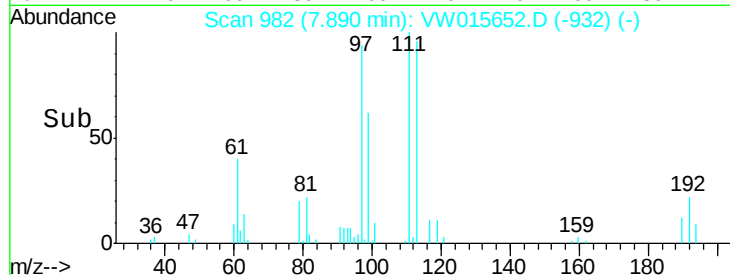
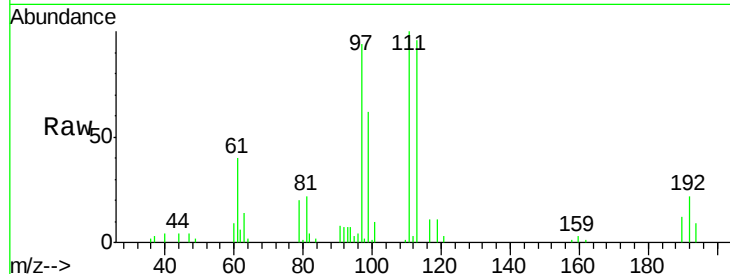
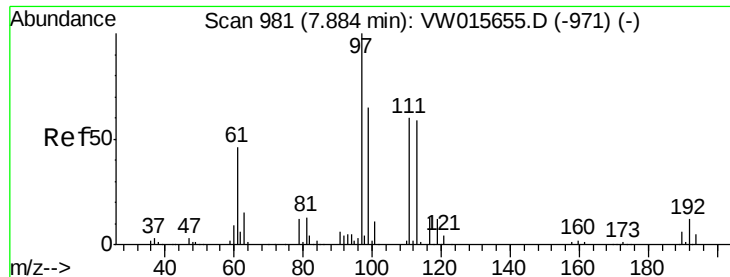
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 6/24/2020 10:58:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.4
88	15.7	0.0	32.6





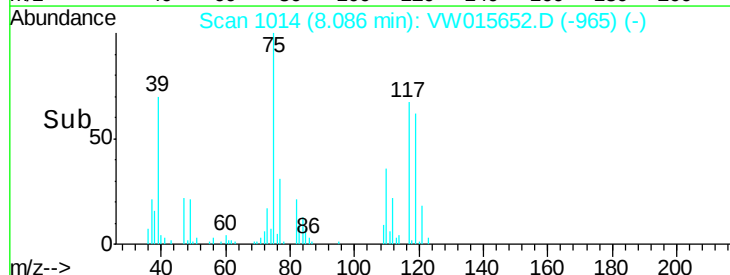
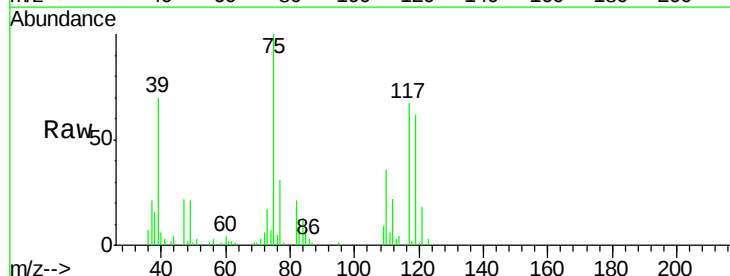
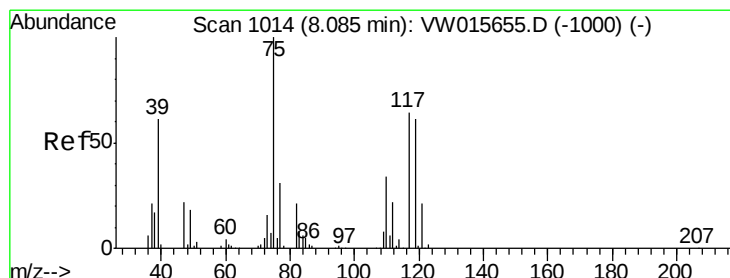
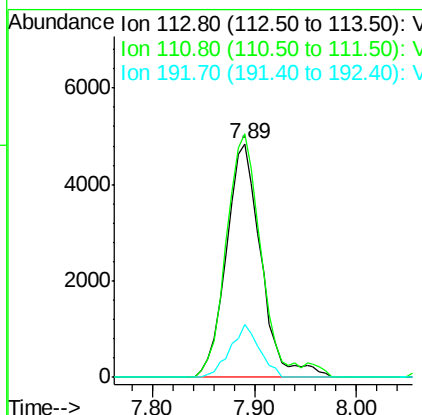
#35
Dibromofluoromethane
Concen: 5.830 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tot Ion	Ratio	Resp	Lower	Upper
113	100	11415		
111	102.8	82.3	123.5	
192	19.0	16.4	24.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

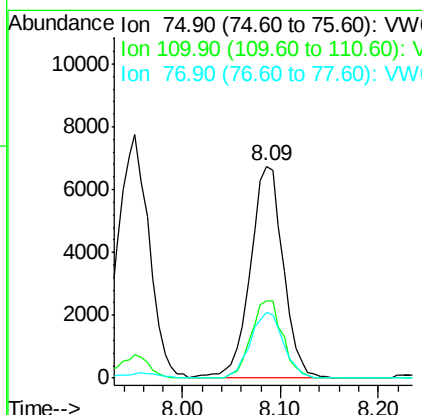
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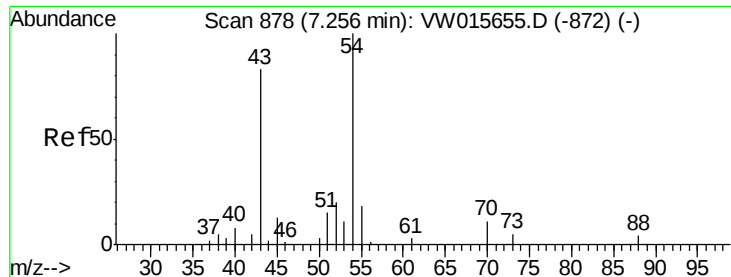
MMDadoda
6/24/2020 10:58:08 AM



#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15849		
110	35.1	17.0	51.0	
77	30.9	24.6	36.8	





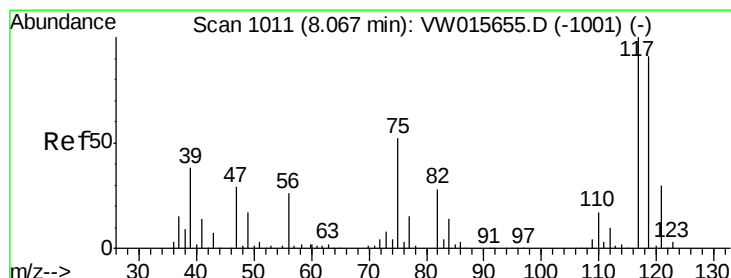
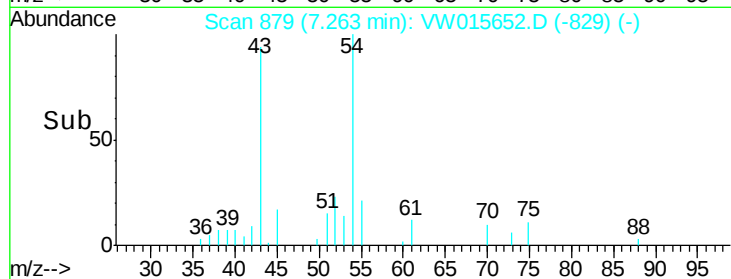
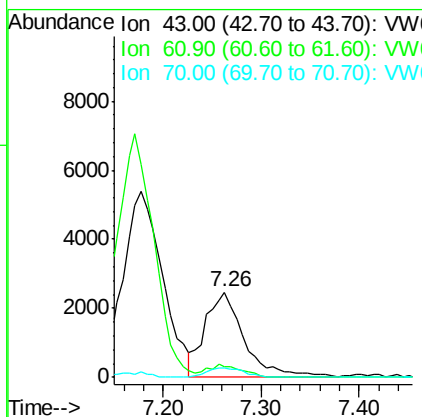
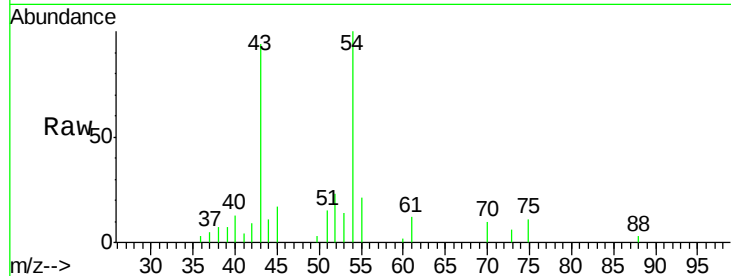
#37
Ethyl Acetate
Concen: 5.392 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	10.3	8.4	12.6

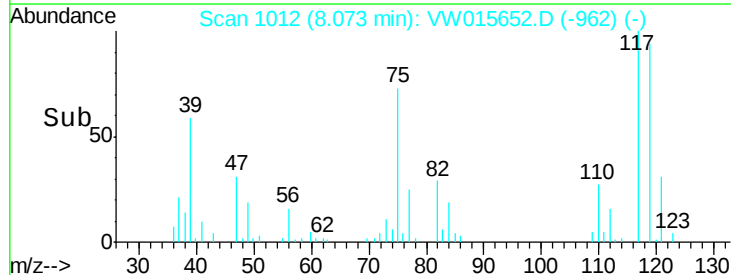
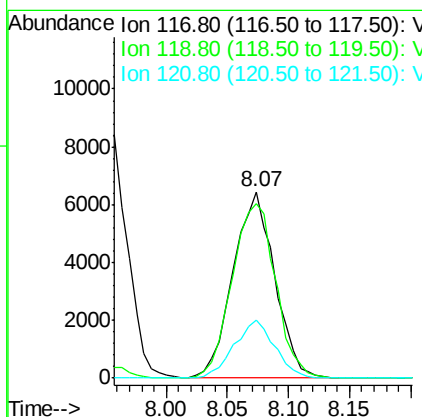
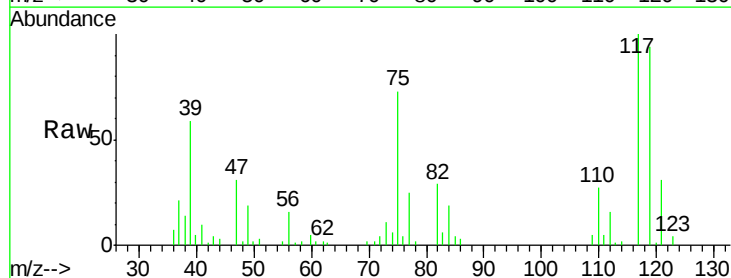
Manual Integrations
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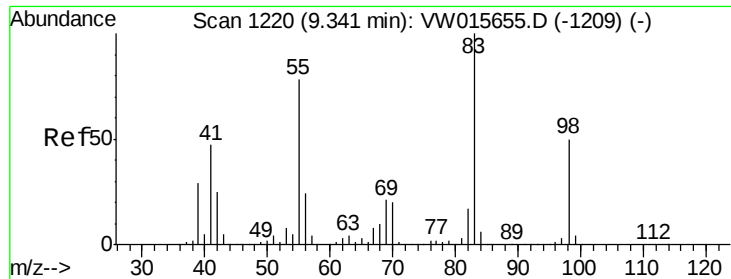
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#38
Carbon Tetrachloride
Concen: 4.628 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.2	109.8
121	30.9	23.9	35.9





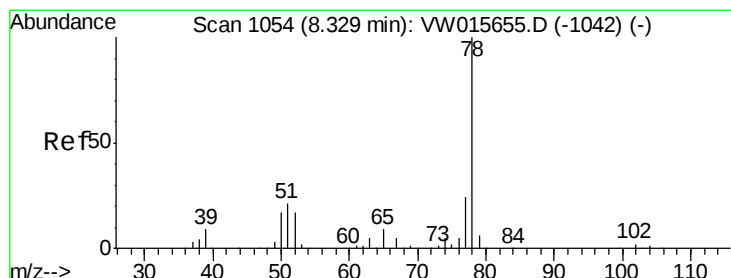
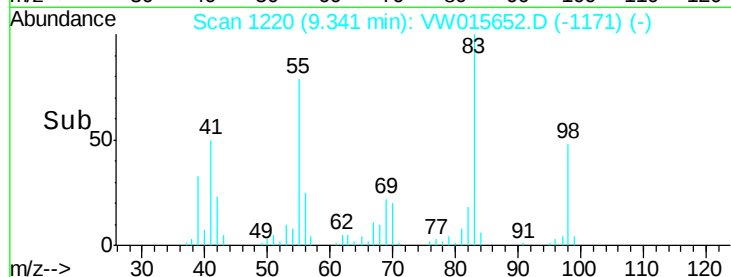
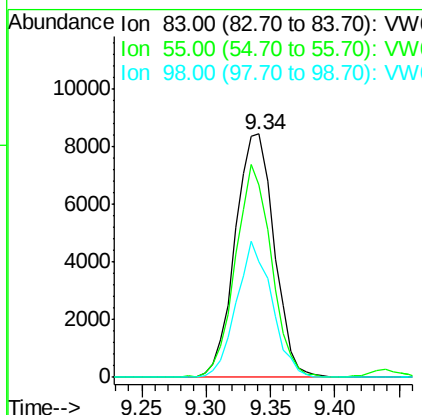
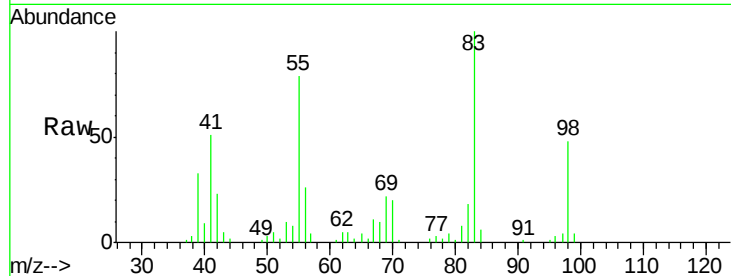
#39
Methvlcvclohexane
Concen: 4.258 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	17752
Ion Ratio	100	Lower	Upper
83	100		
55	79.0	62.8	94.2
98	47.6	39.9	59.9

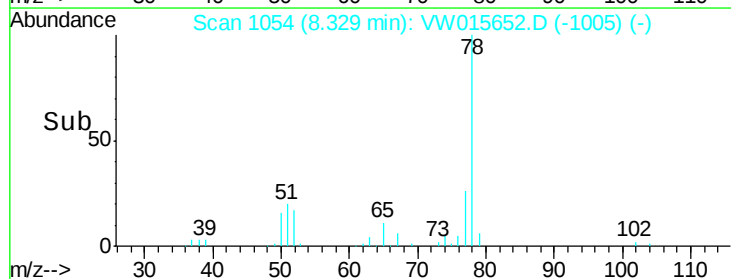
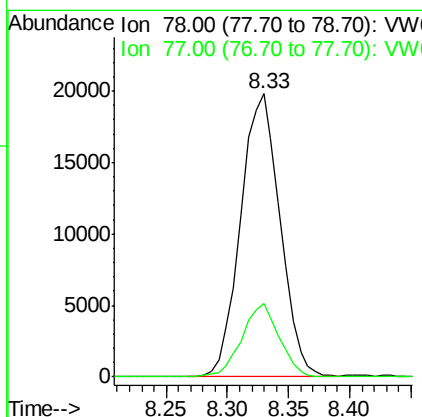
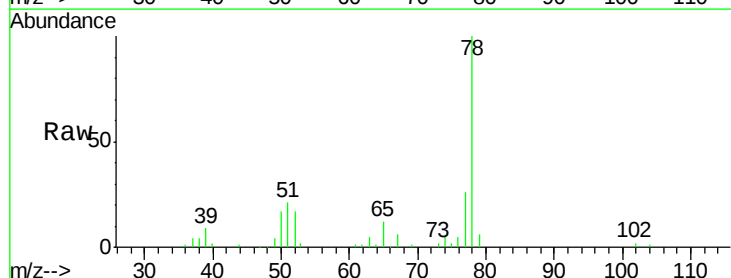
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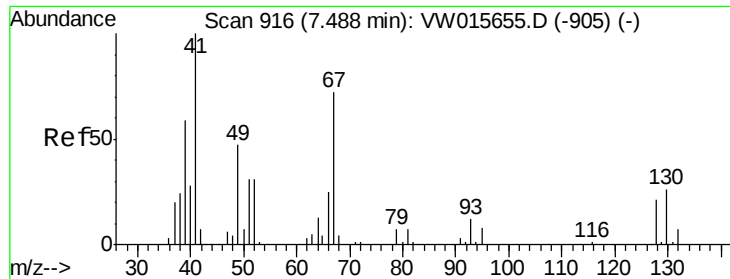
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#40
Benzene
Concen: 4.893 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	78	Resp	44512
Ion Ratio	100	Lower	Upper
78	100		
77	26.1	19.3	28.9





#41

Methacrylonitrile

Concen: 4.650 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 3356

Ion Ratio Lower Upper

41 100

39 67.9 52.0 78.0

67 73.7 57.5 86.3

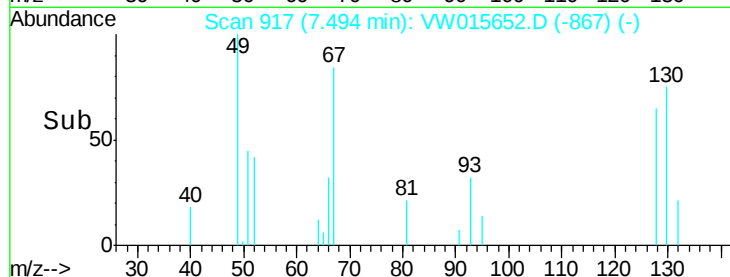
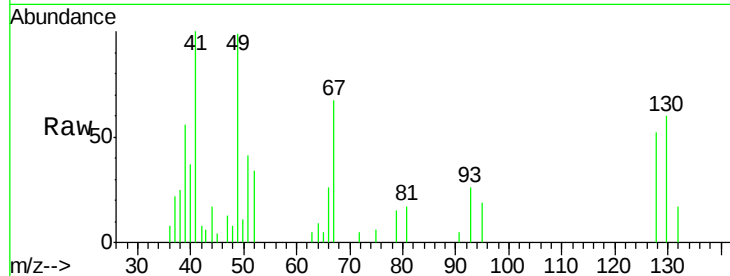
52 35.3 26.5 39.7

Manual Integrations

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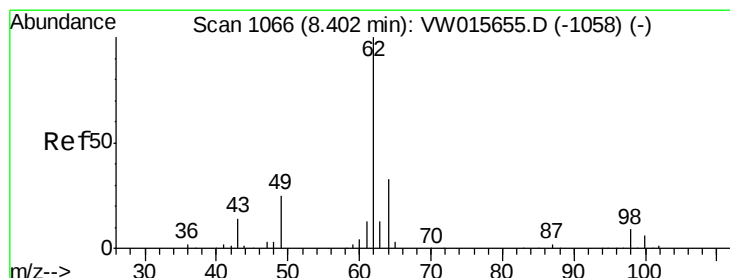
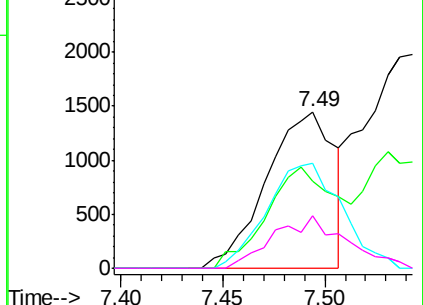


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 5.109 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015652.D

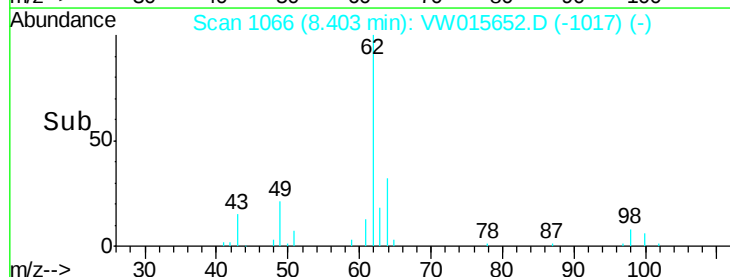
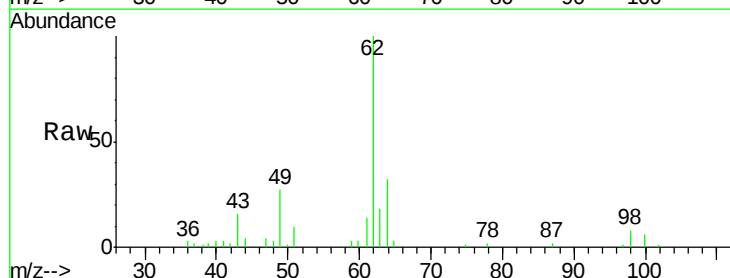
Acq: 23 Jun 2020 10:53

Tgt Ion: 62 Resp: 14110

Ion Ratio Lower Upper

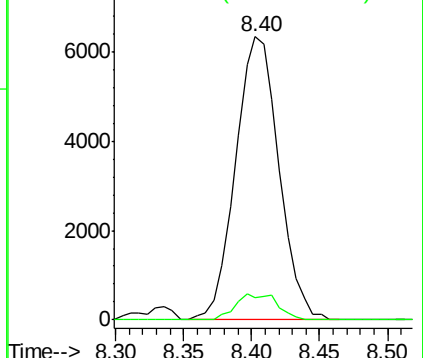
62 100

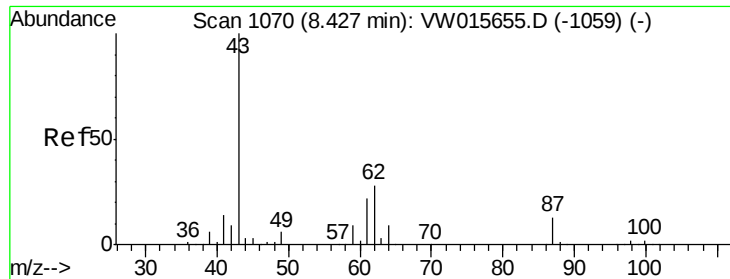
98 8.8 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.876 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

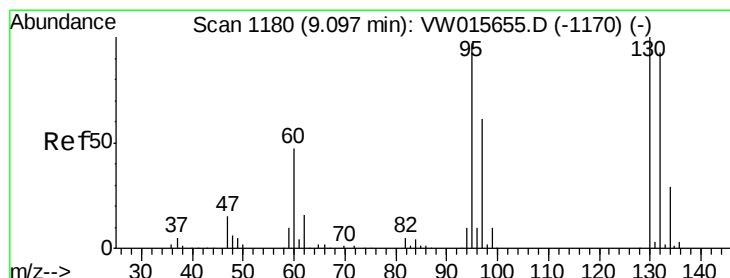
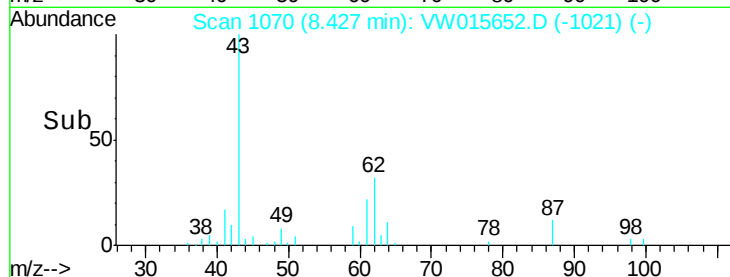
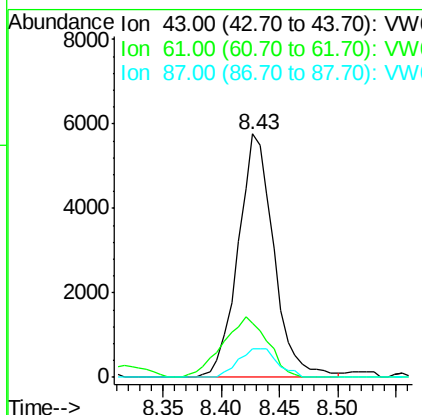
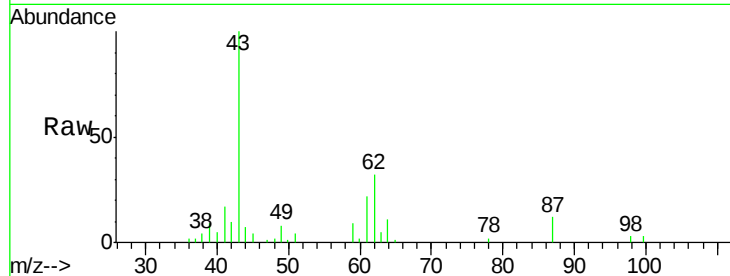
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	12334
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.7	37.1
87	12.9	10.2	15.2

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#44

Trichloroethene

Concen: 4.950 ug/l

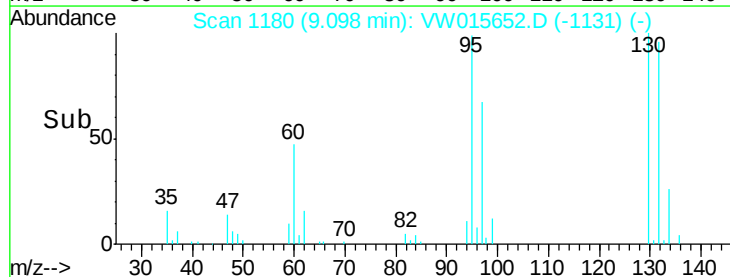
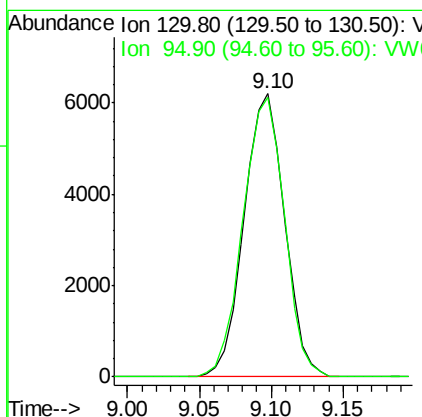
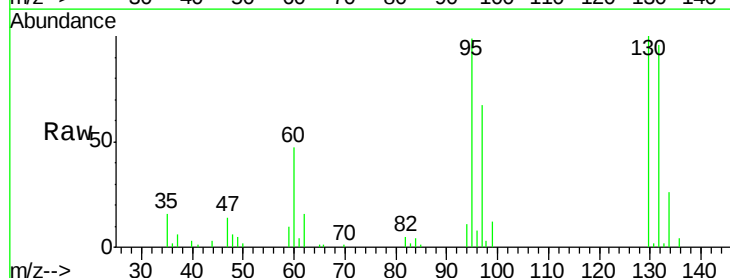
RT: 9.10 min Scan# 1180

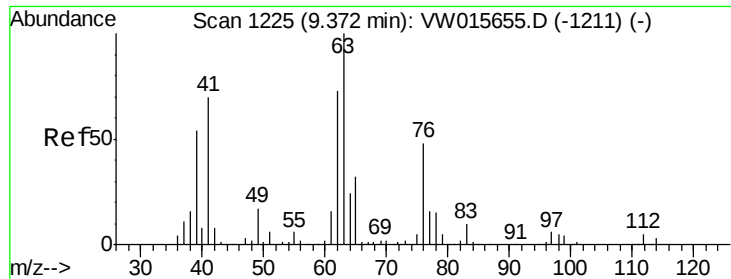
Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Tgt Ion:	130	Resp:	12060
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	194.4





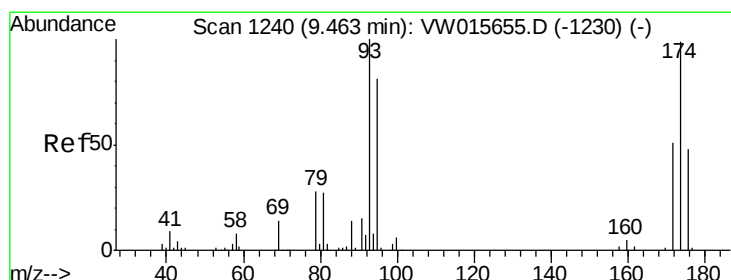
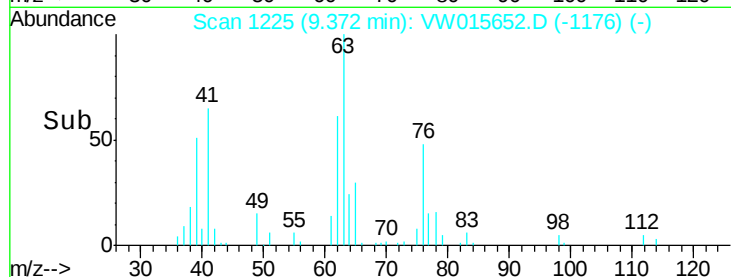
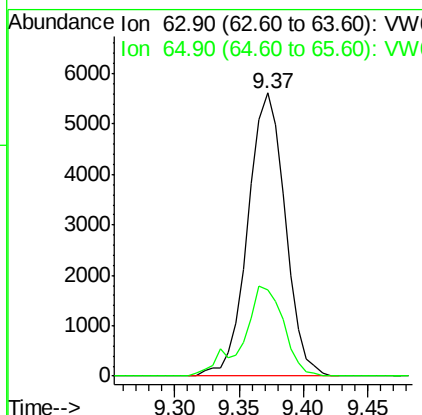
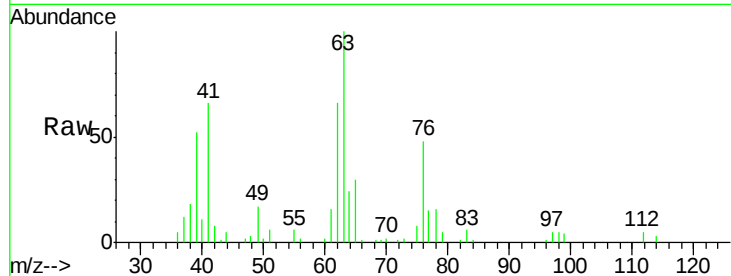
#45
 1,2-Dichloropropane
 Concen: 5.086 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11233
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.3 37.9

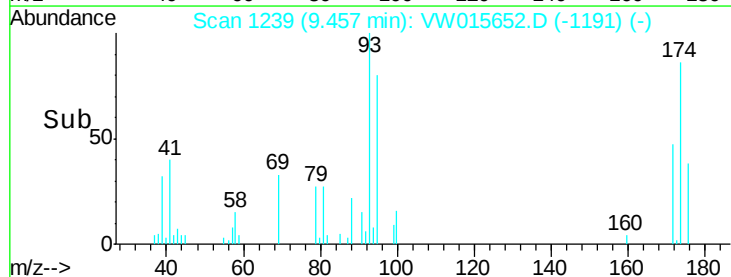
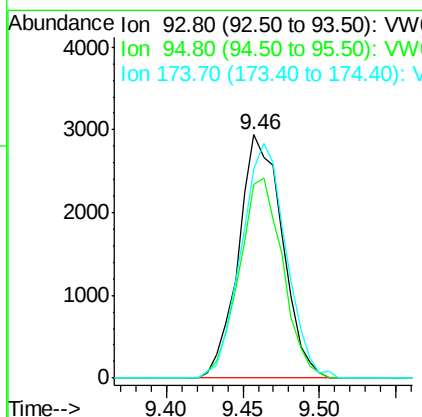
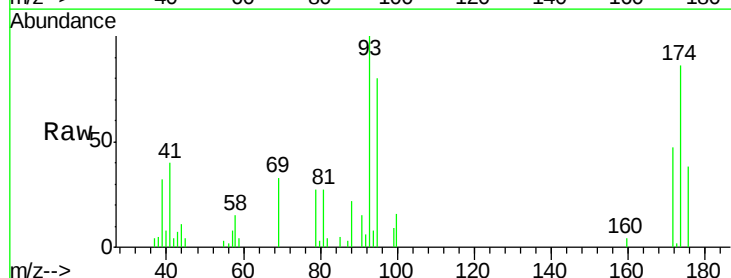
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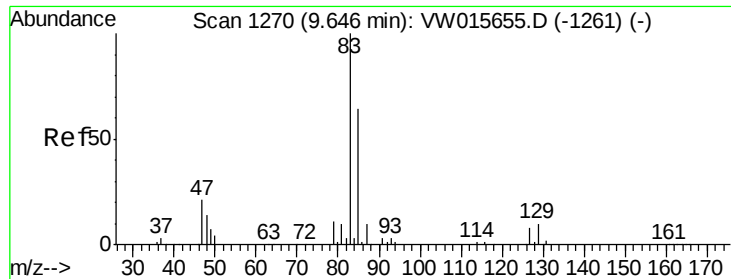
MMDadoda
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#46
 Dibromomethane
 Concen: 5.208 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Tgt Ion: 93 Resp: 5834
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.7 98.5
 174 98.7 79.0 118.6





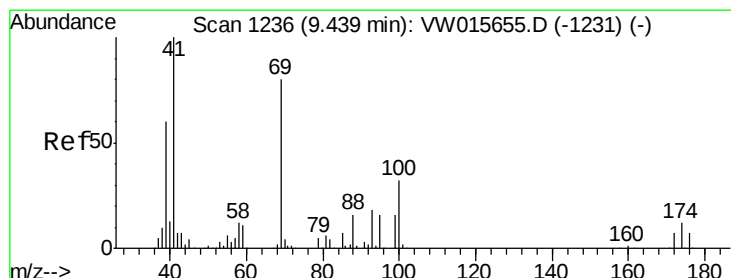
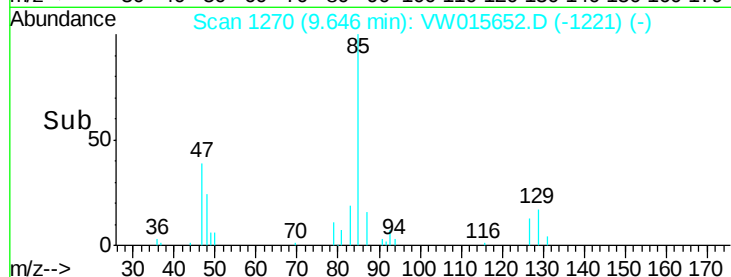
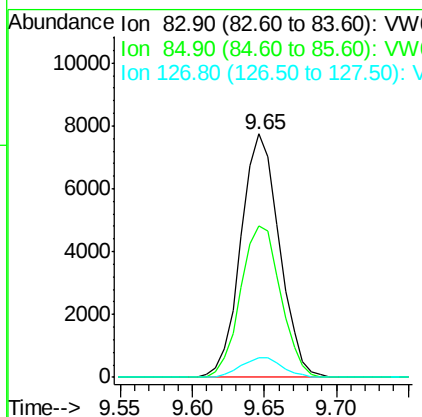
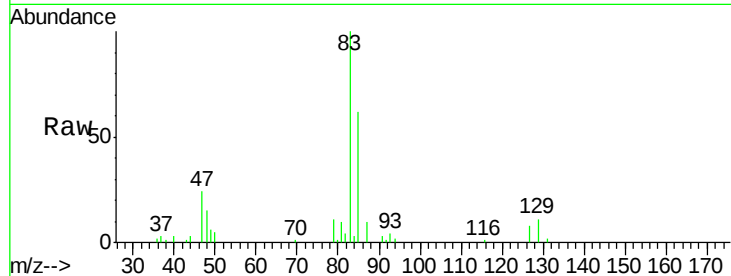
#47
Bromodichloromethane
Concen: 4.723 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	14348
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	50.8	76.2
127	7.9	6.3	9.5

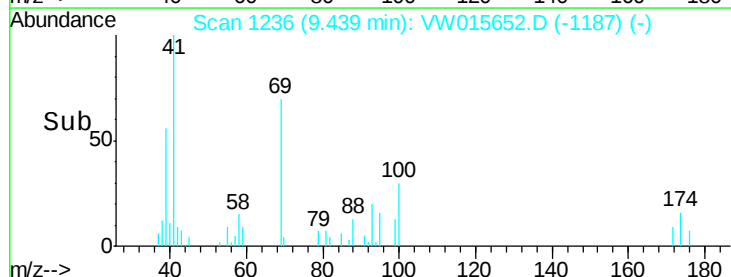
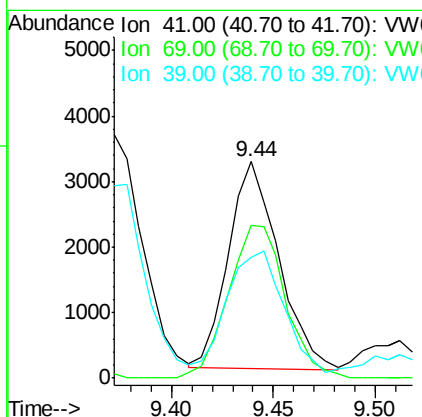
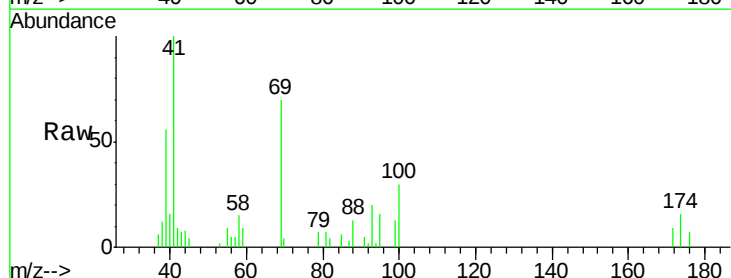
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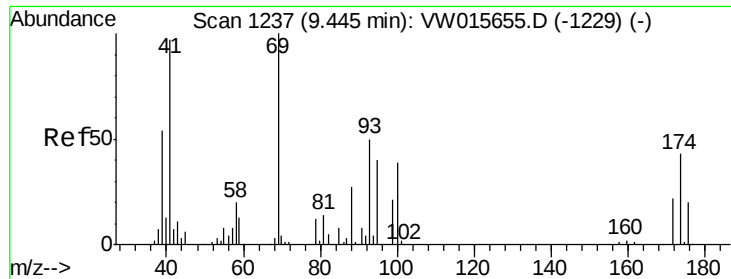
MMDadoda
6/24/2020 10:58:08 AM



#48
Methyl methacrylate
Concen: 4.677 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	41	Resp	5422
Ion Ratio	100	Lower	Upper
41	100		
69	83.4	68.2	102.2
39	72.5	49.8	74.6





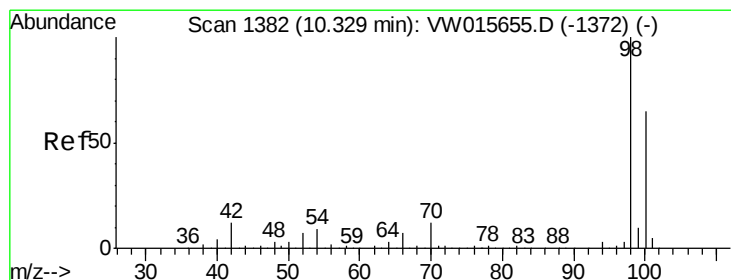
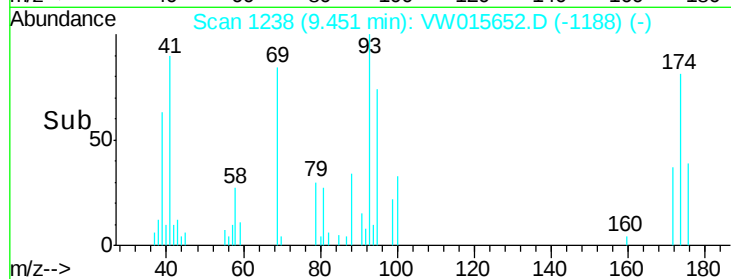
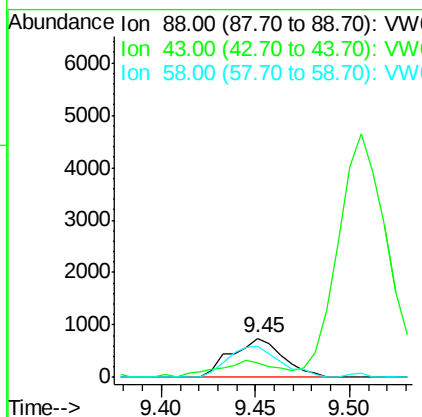
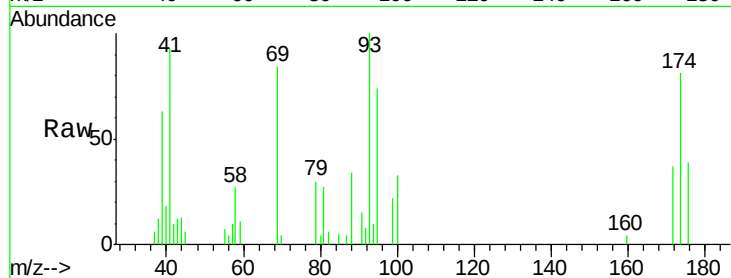
#49
1,4-Dioxane
Concen: 96.038 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.1	30.1	45.1#
58	81.3	56.1	84.1

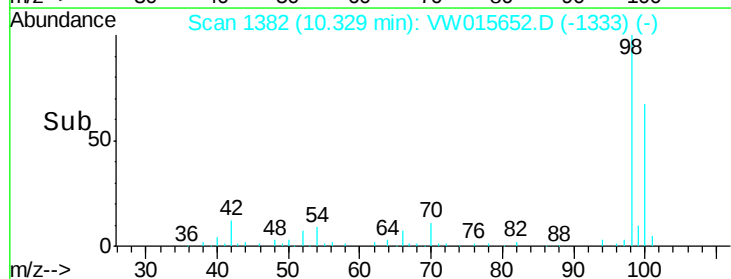
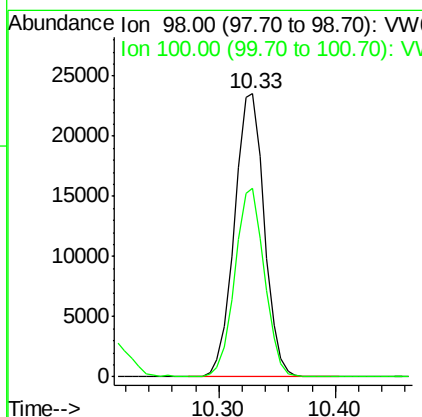
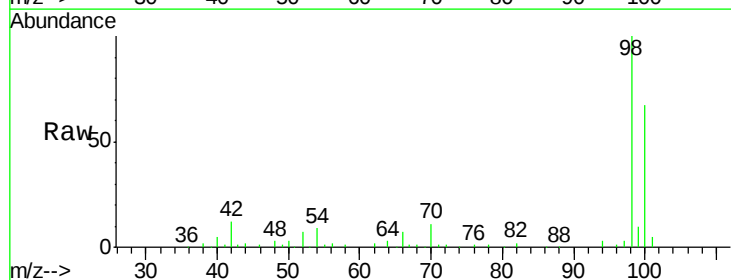
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#50
Toluene-d8
Concen: 5.308 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 24.724 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 29726

Ion Ratio Lower Upper

43 100

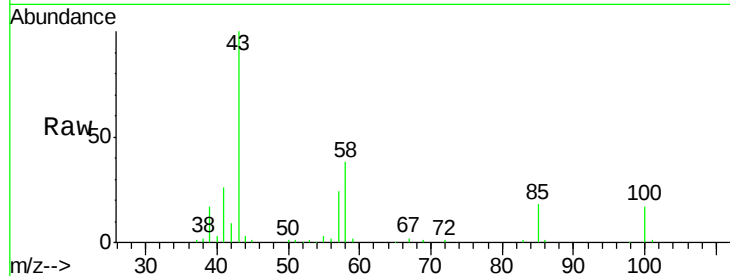
58 37.0 31.2 46.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

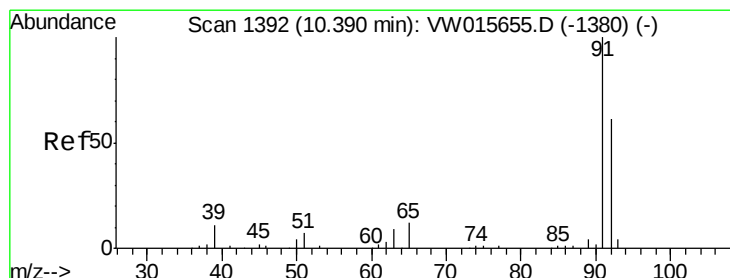
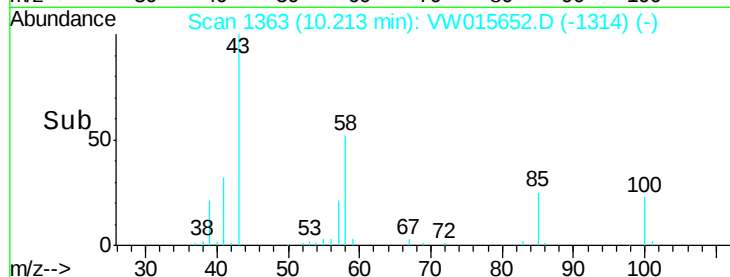
15000

10000

5000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 4.750 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015652.D

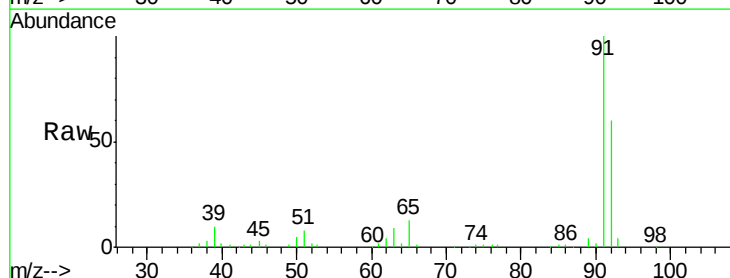
Acq: 23 Jun 2020 10:53

Tgt Ion: 92 Resp: 27900

Ion Ratio Lower Upper

92 100

91 171.5 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

30000

25000

20000

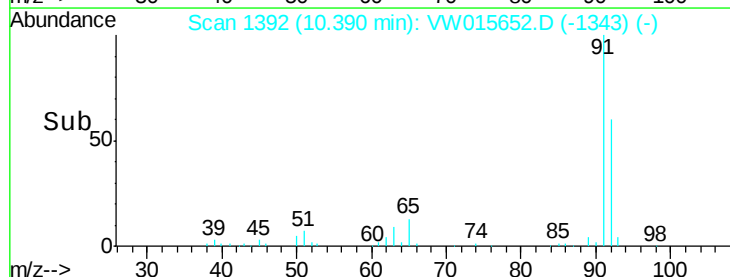
15000

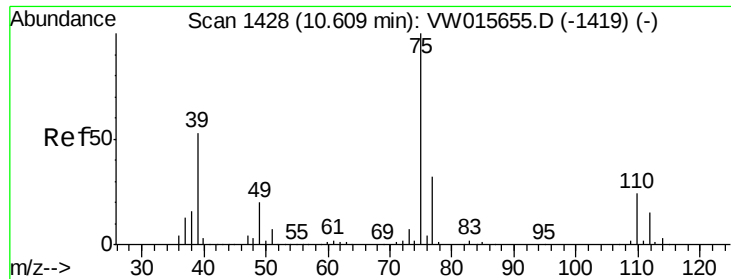
10000

5000

0

Time--> 10.30 10.40





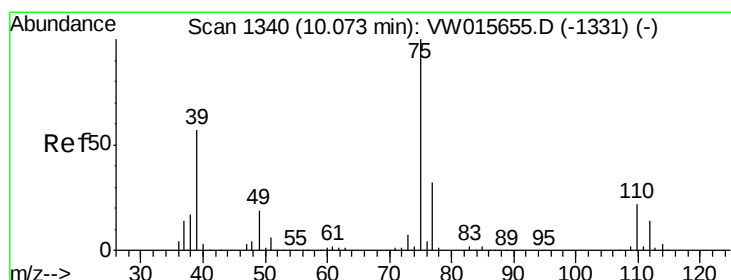
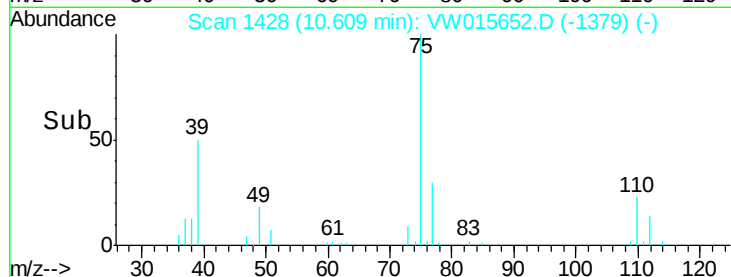
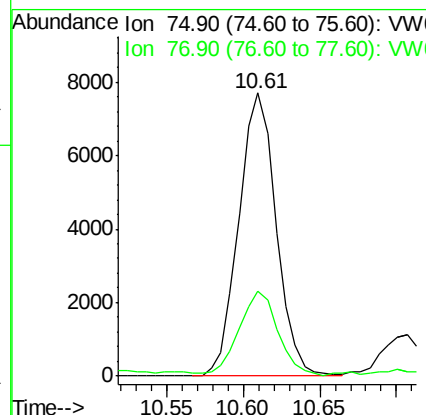
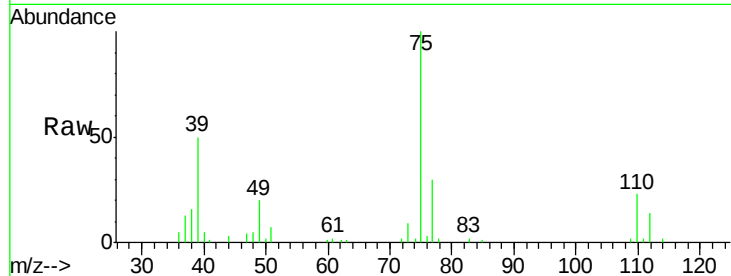
#53
t-1,3-Dichloropropene
Concen: 4.415 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 13113
Ion Ratio Lower Upper
75 100
77 28.8 25.3 37.9

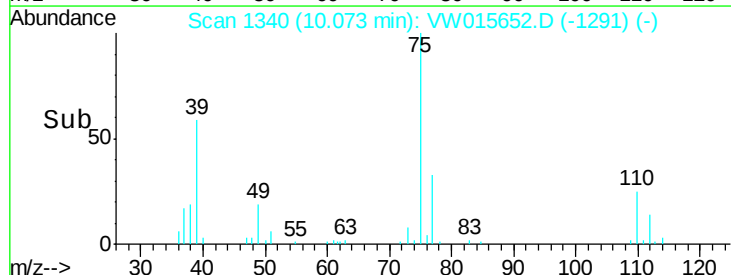
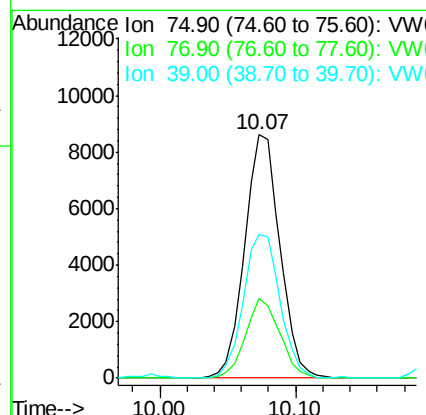
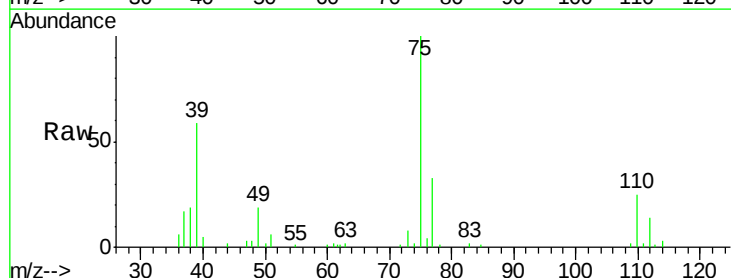
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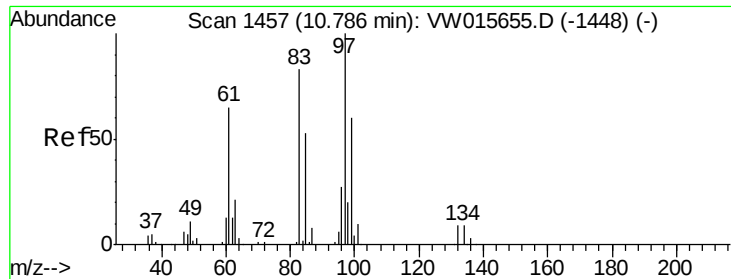
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#54
cis-1,3-Dichloropropene
Concen: 4.431 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion: 75 Resp: 15631
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.2
39 59.0 45.8 68.6





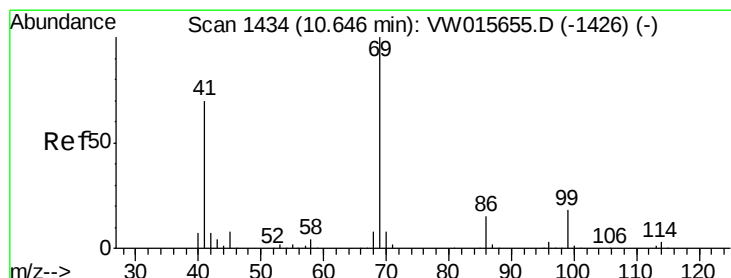
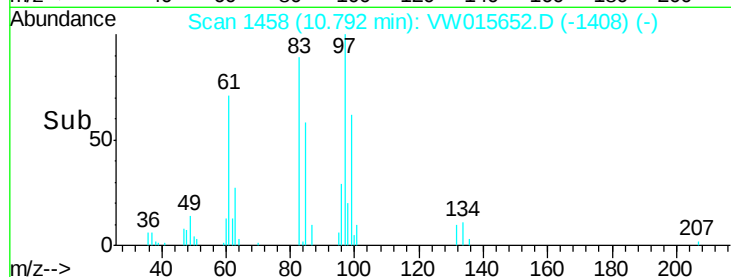
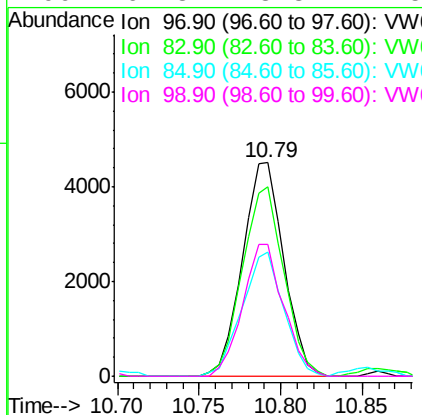
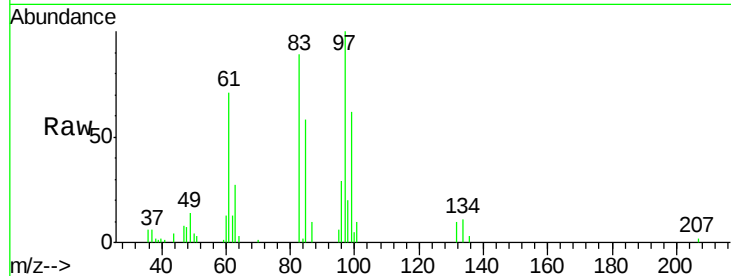
#55
 1,1,2-Trichloroethane
 Concen: 5.078 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	7939
Ion	Ratio	Lower	Upper
97	100		
83	88.6	66.3	99.5
85	57.9	42.5	63.7
99	61.8	48.3	72.5

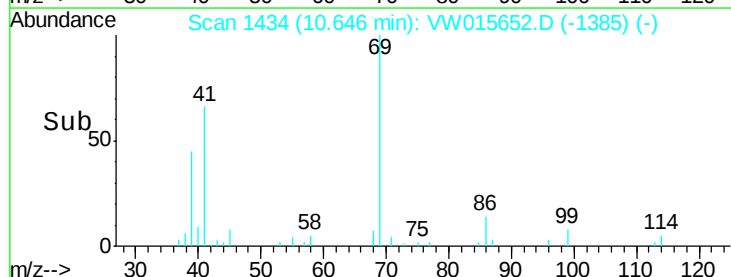
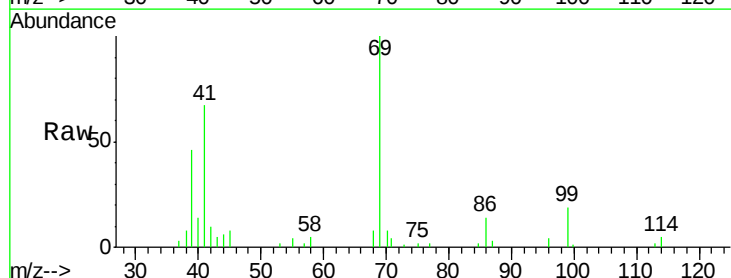
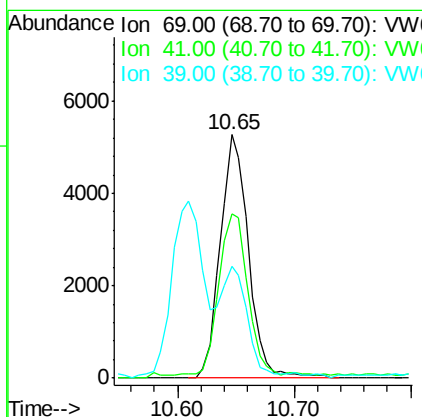
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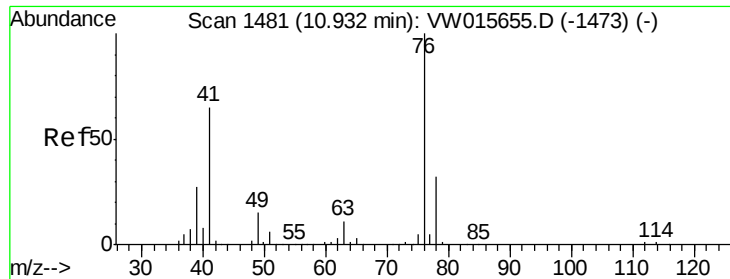
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#56
 Ethyl methacrylate
 Concen: 4.371 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Tgt Ion:	69	Resp:	8820
Ion	Ratio	Lower	Upper
69	100		
41	67.3	55.8	83.6
39	41.6	29.5	44.3





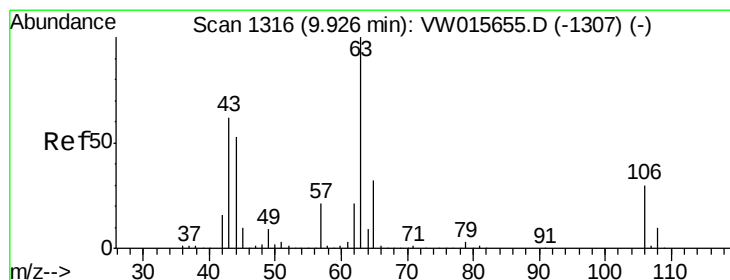
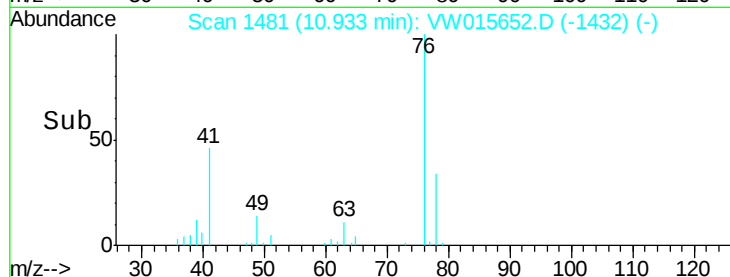
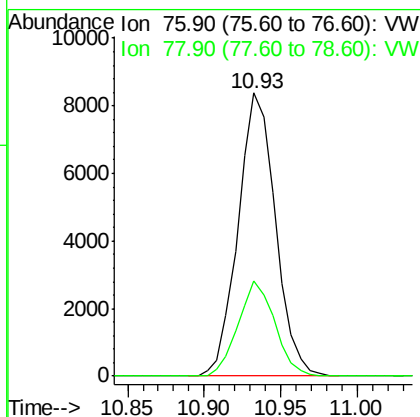
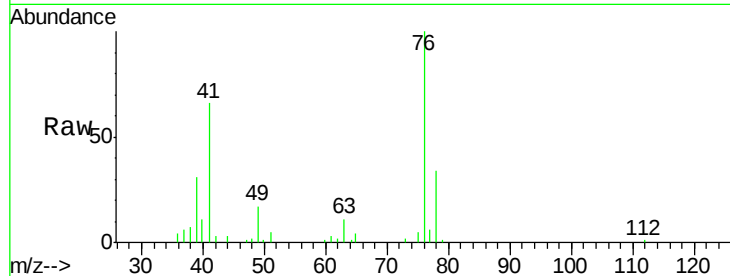
#57
 1,3-Dichloropropane
 Concen: 5.134 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 14222
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2

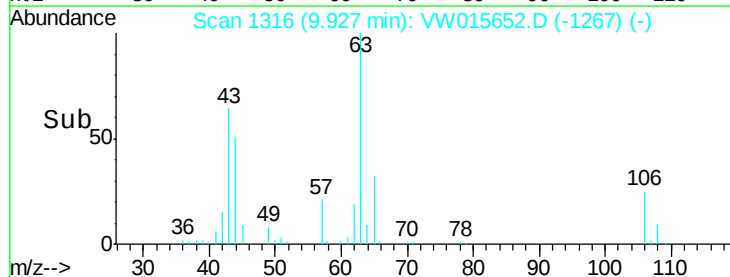
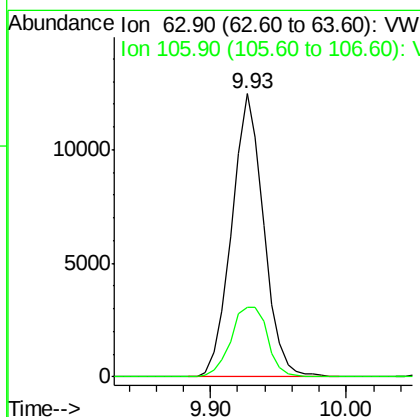
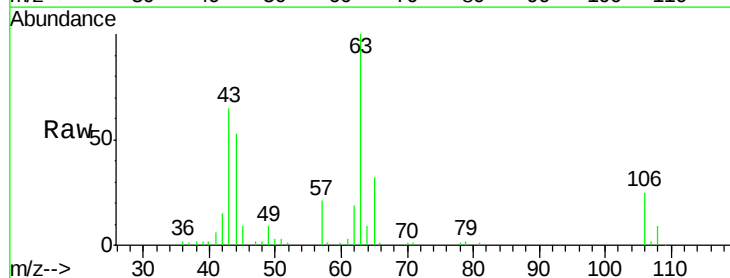
Manual Integrations
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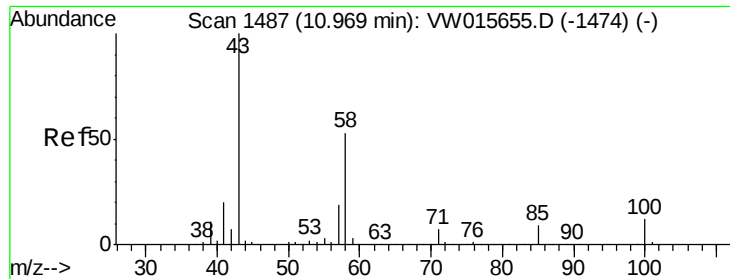
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 6/24/2020 10:58:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.059 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Tgt Ion: 63 Resp: 20317
 Ion Ratio Lower Upper
 63 100
 106 28.2 23.3 34.9





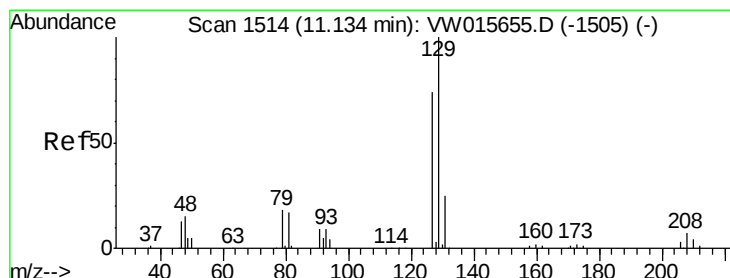
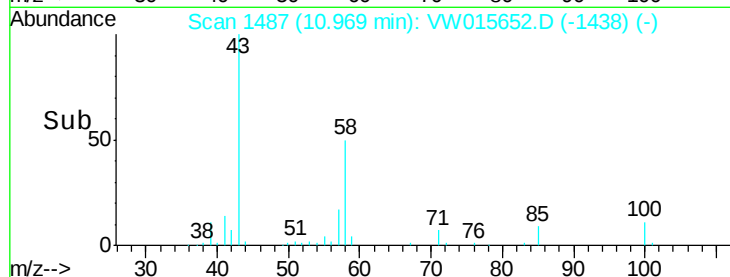
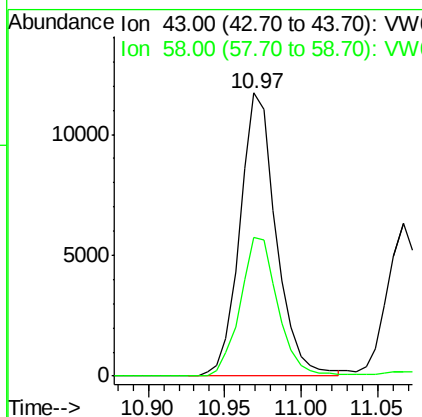
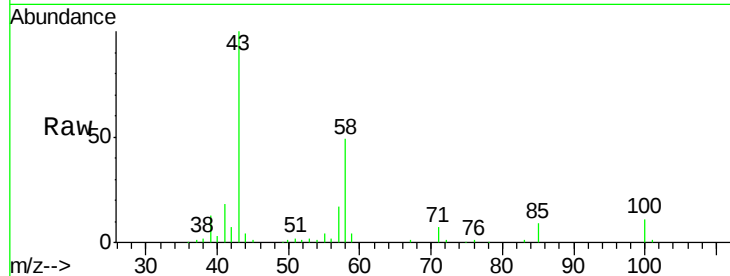
#59
2-Hexanone
Concen: 23.292 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 19251
Ion Ratio Lower Upper
43 100
58 51.1 26.5 79.4

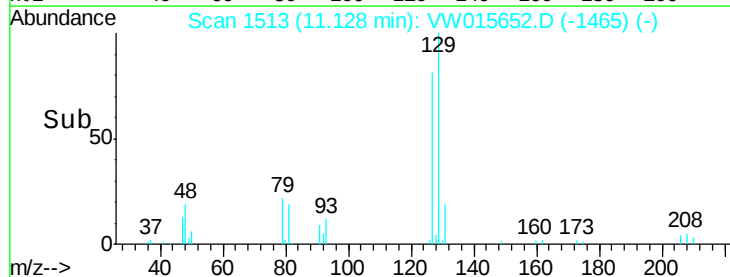
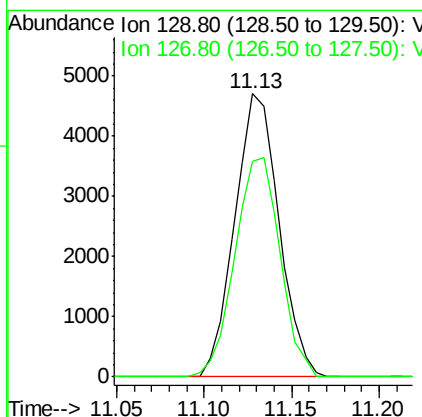
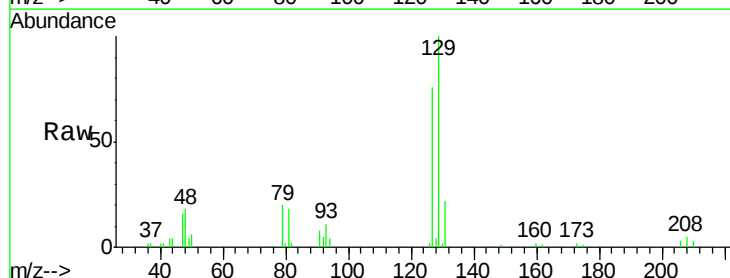
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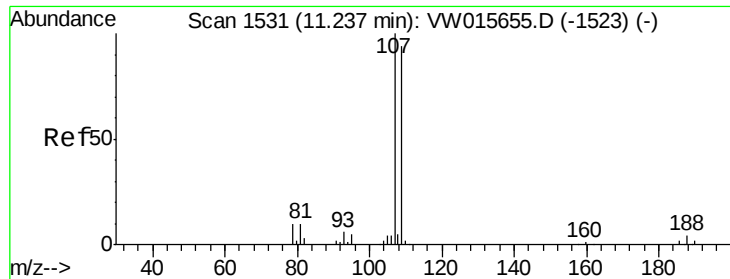
MMDadoda
6/24/2020 10:58:08 AM



#60
Dibromochloromethane
Concen: 4.367 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion: 129 Resp: 8307
Ion Ratio Lower Upper
129 100
127 79.1 38.0 114.1





#61

1,2-Dibromoethane

Concen: 5.009 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 7484

Ion Ratio Lower Upper

107 100

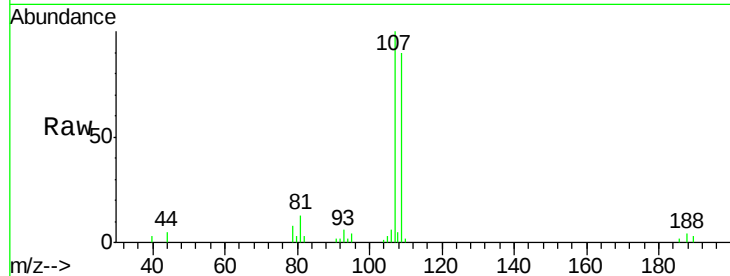
109 91.7 74.9 112.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

4000

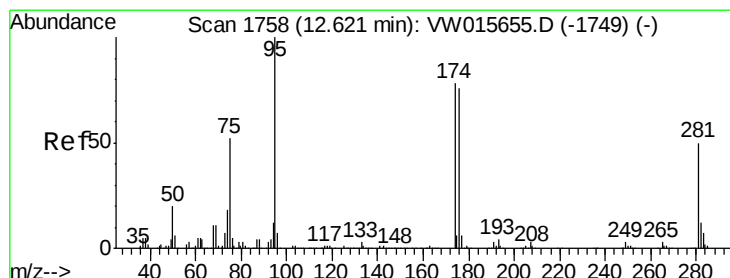
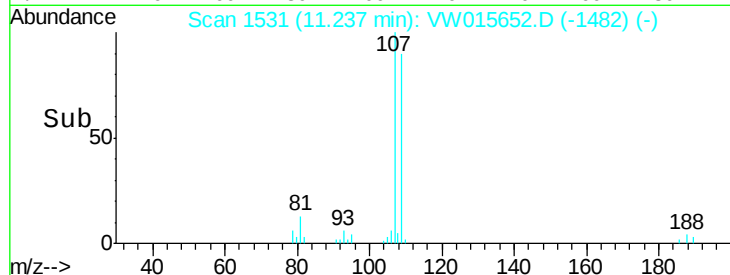
3000

2000

1000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 5.397 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

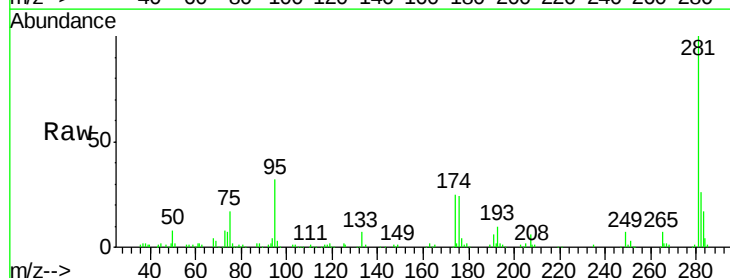
Tgt Ion: 95 Resp: 15550

Ion Ratio Lower Upper

95 100

174 78.9 0.0 157.0

176 79.6 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

12000

10000

8000

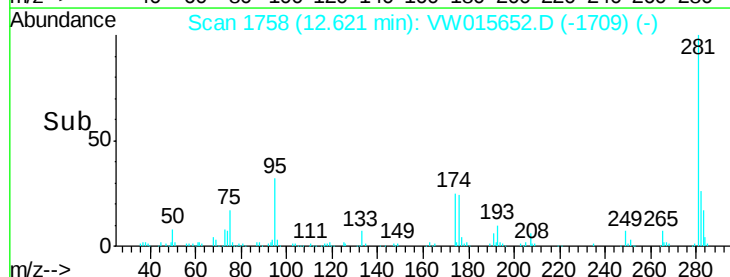
6000

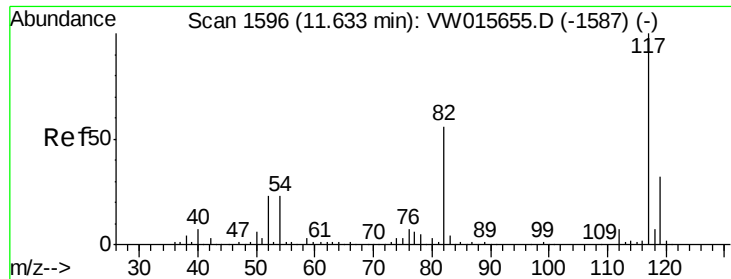
4000

2000

0

Time--> 12.55 12.60 12.65 12.70





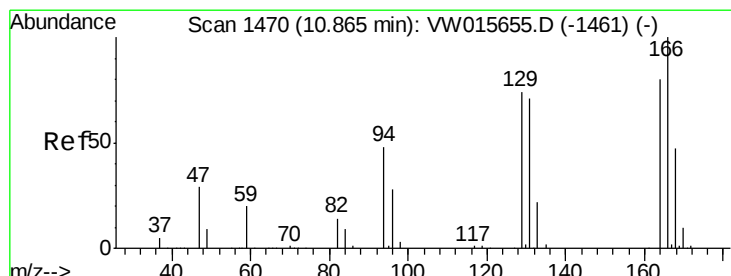
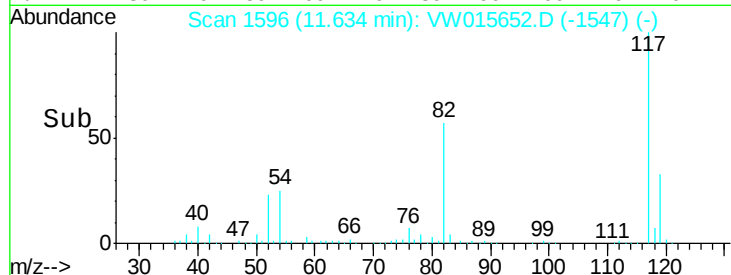
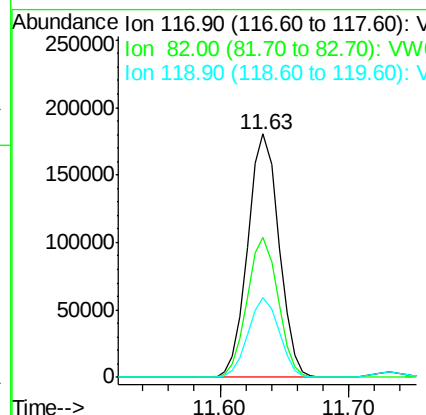
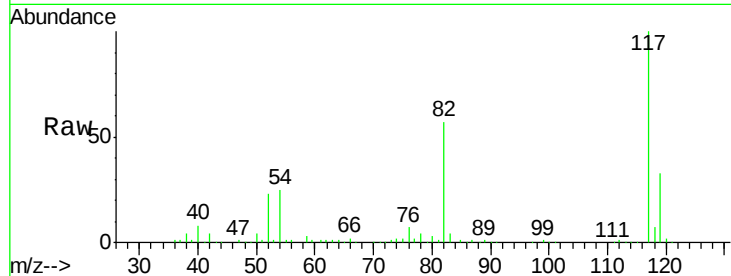
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.1	67.7
119	32.7	25.8	38.8

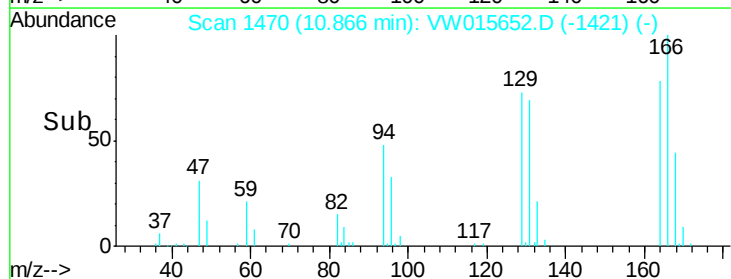
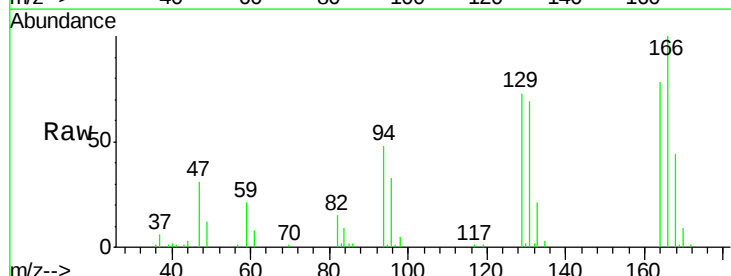
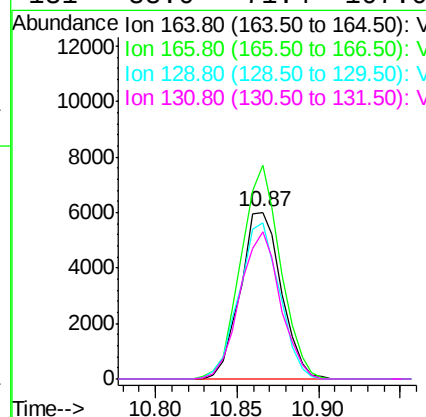
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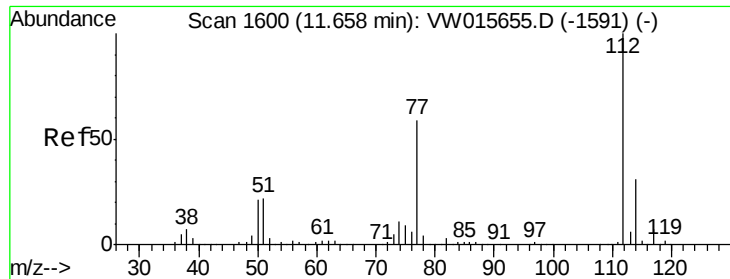
MMDadoda
6/24/2020 10:58:08 AM



#64
Tetrachloroethene
Concen: 5.123 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	99.9	149.9
129	93.6	74.2	111.2
131	88.0	71.4	107.0





#65

Chlorobenzene

Concen: 4.976 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 30844

Ion Ratio Lower Upper

112 100

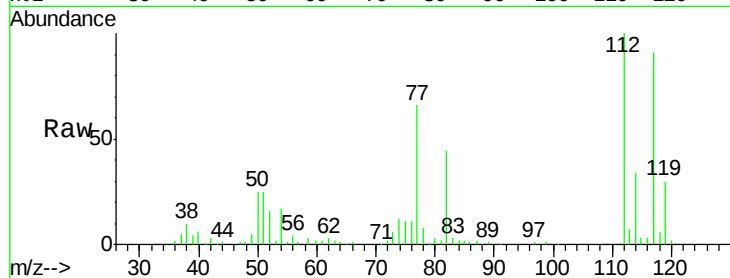
114 33.7 24.9 37.3

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

15000

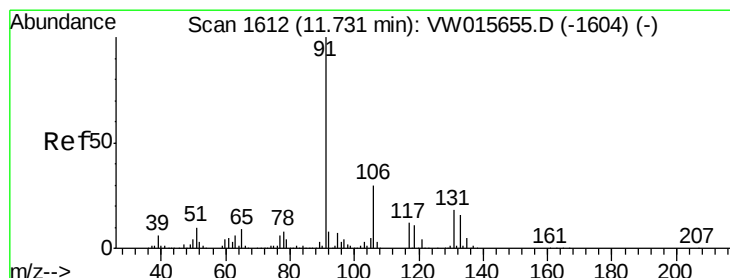
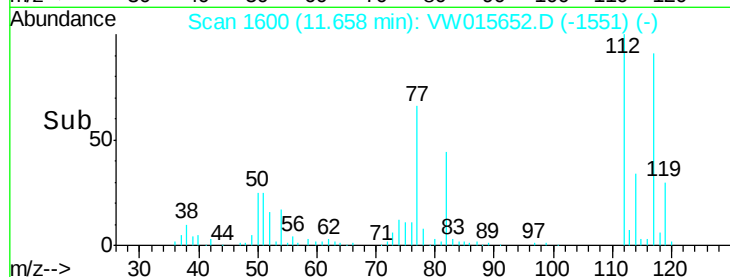
10000

5000

0

Time-->

11.60 11.65 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 4.586 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

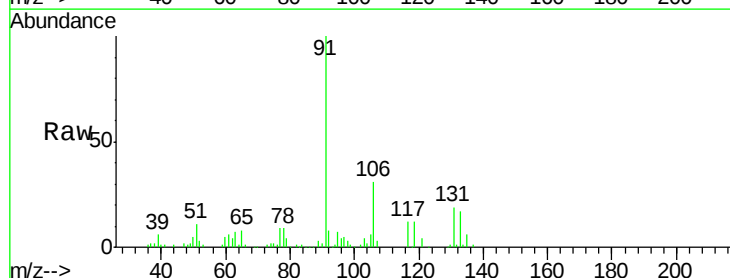
Tgt Ion:131 Resp: 10137

Ion Ratio Lower Upper

131 100

133 97.3 46.5 139.5

119 67.7 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

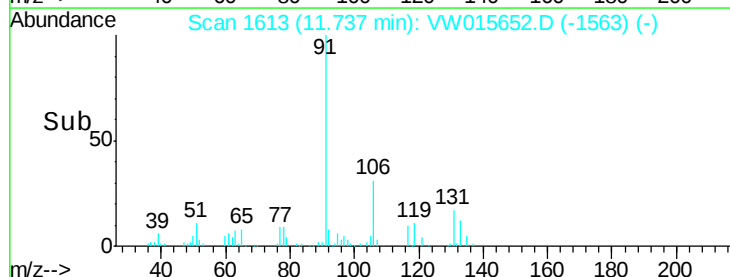
40000

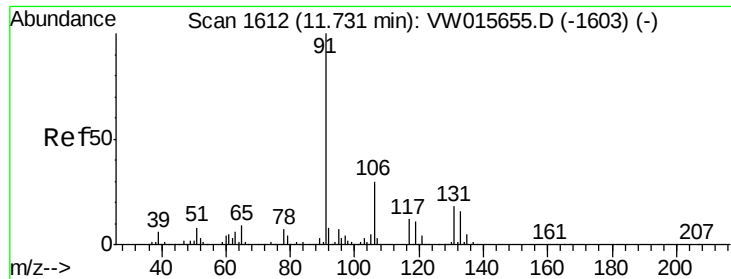
20000

0

Time-->

11.65 11.70 11.75 11.80





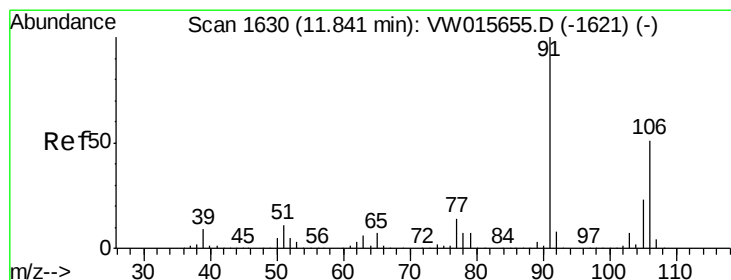
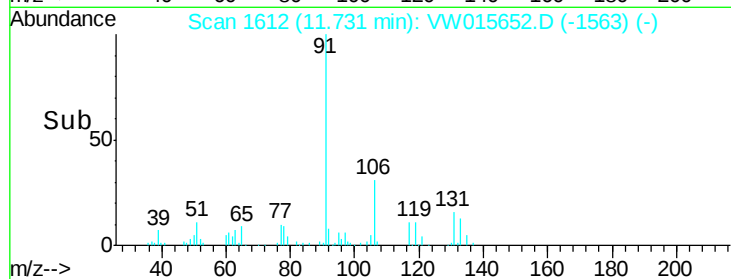
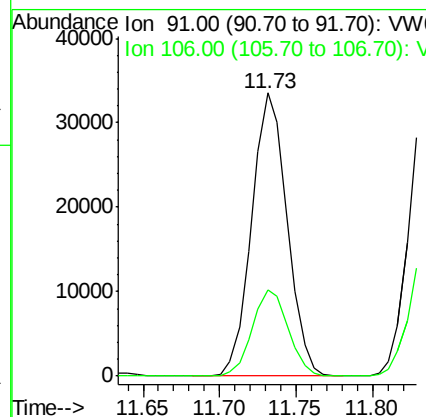
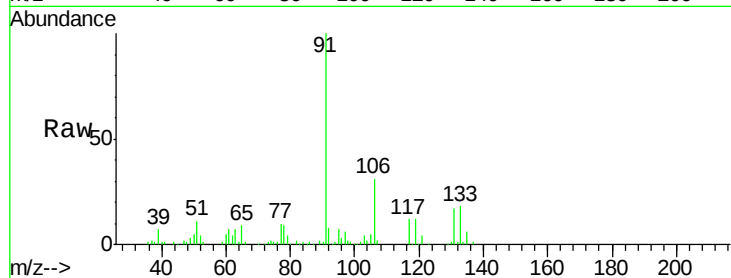
#67
Ethyl Benzene
Concen: 4.635 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 54101
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

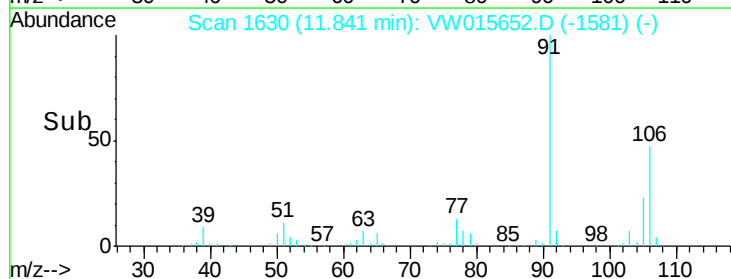
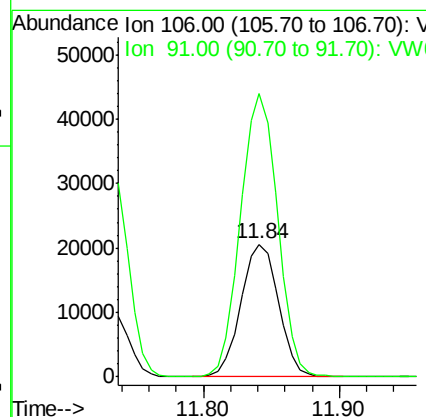
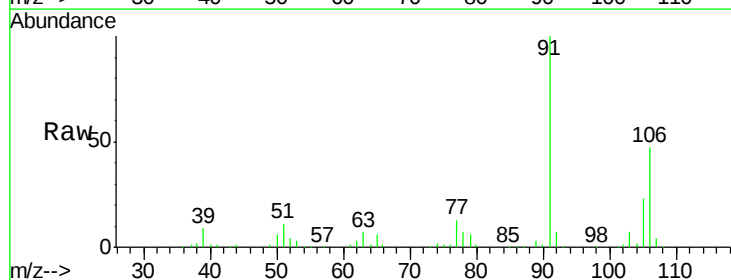
Manual Integrations
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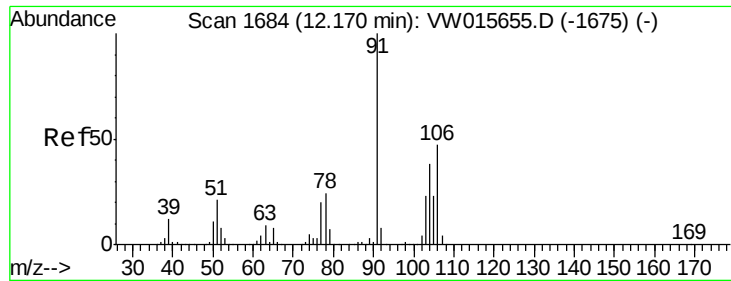
MMDadoda
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#68
m/p-Xylenes
Concen: 9.088 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion: 106 Resp: 39609
Ion Ratio Lower Upper
106 100
91 211.8 162.6 244.0





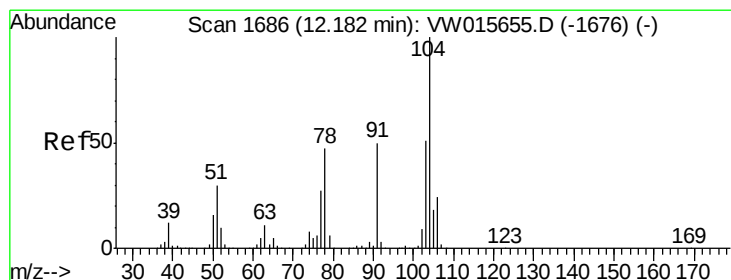
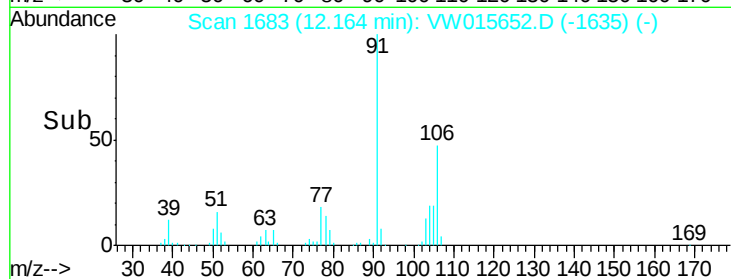
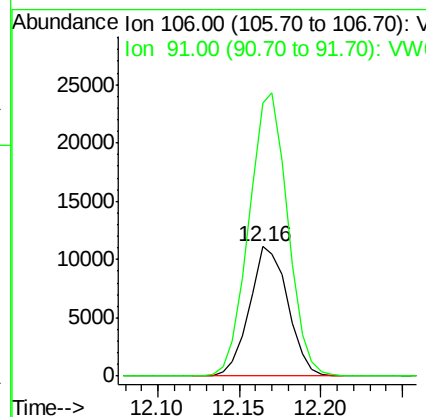
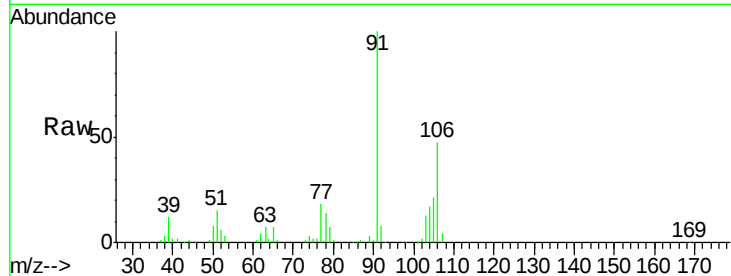
#69
o-Xylene
Concen: 4.488 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 18157
Ion Ratio Lower Upper
106 100
91 221.6 108.3 324.9

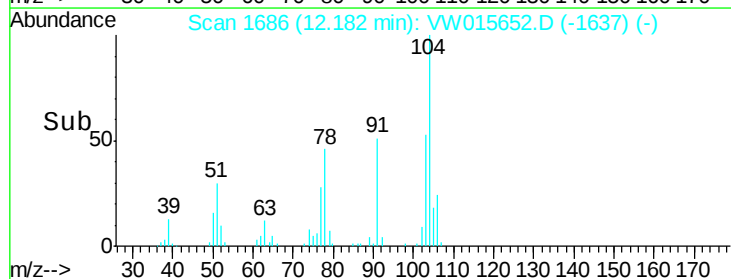
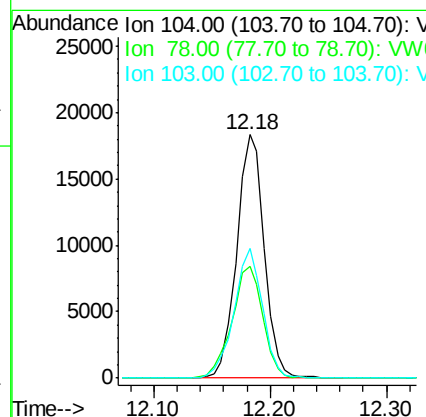
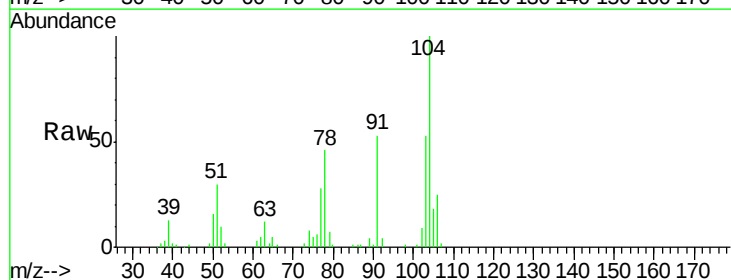
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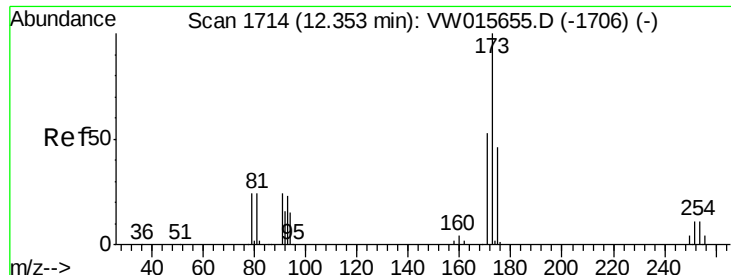
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#70
Styrene
Concen: 4.353 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion:104 Resp: 30076
Ion Ratio Lower Upper
104 100
78 51.6 40.9 61.3
103 55.2 43.1 64.7





#71

Bromoform

Concen: 4.020 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 4197

Ion Ratio Lower Upper

173 100

175 51.3 23.5 70.6

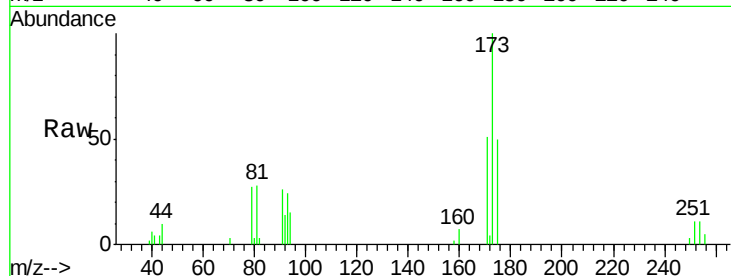
254 0.0 0.1 0.1#

Manual Integrations

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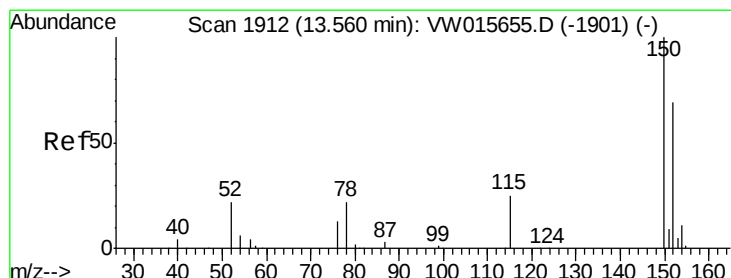
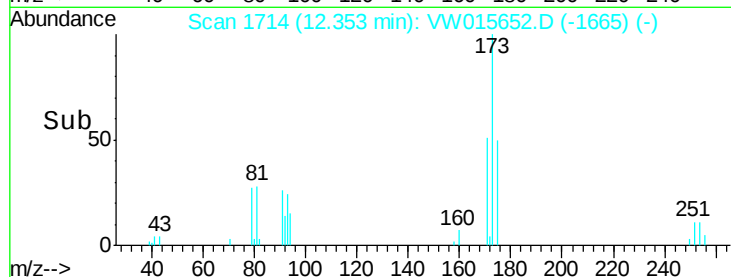
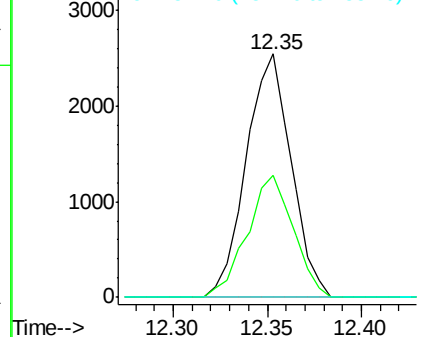
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VW015652.D

Acq: 23 Jun 2020 10:53

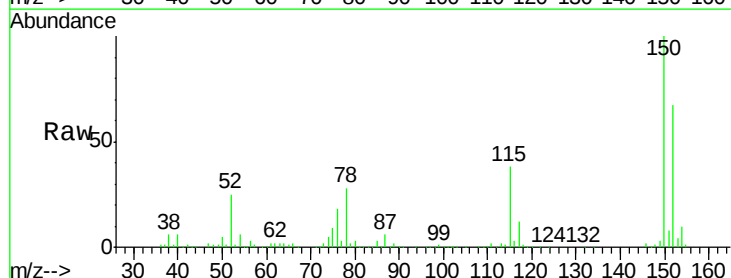
Tgt Ion:152 Resp: 149001

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.5

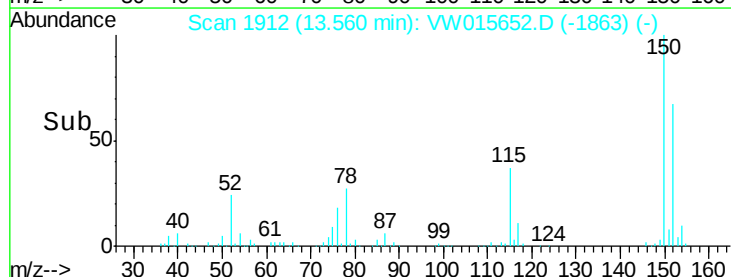
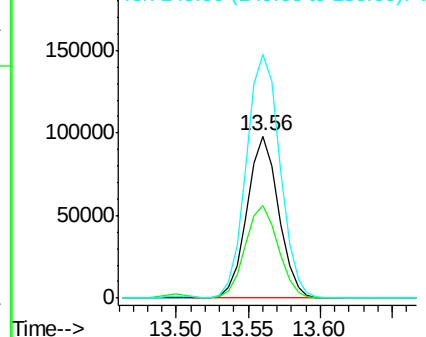
150 160.2 0.0 345.6

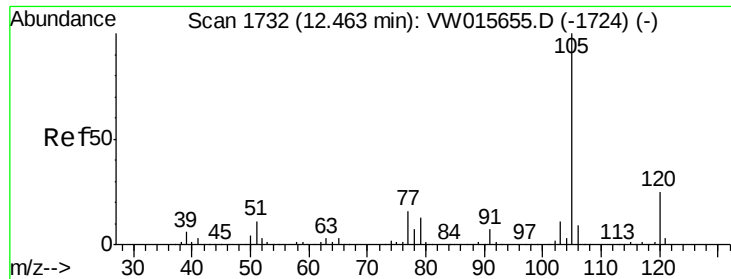


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





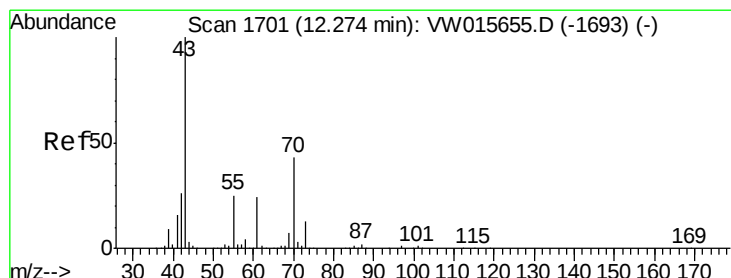
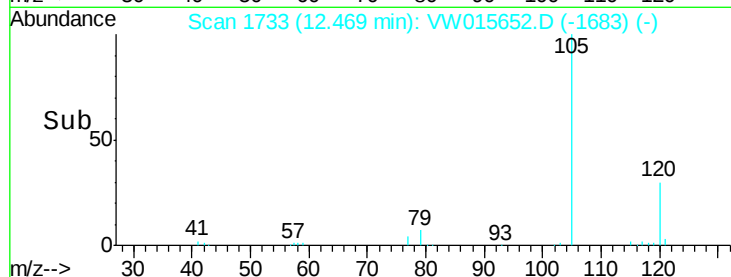
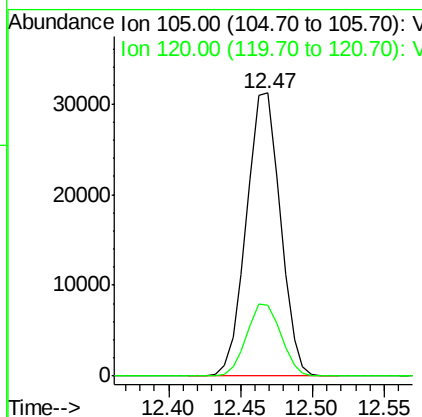
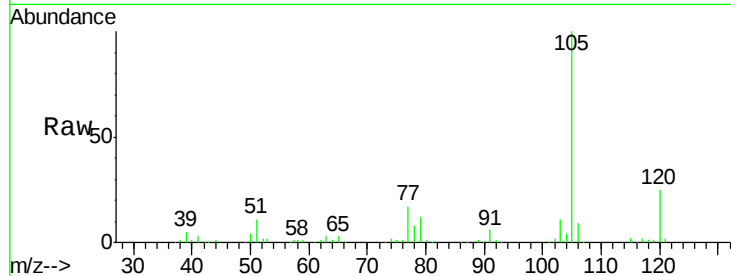
#73
Isopropylbenzene
Concen: 4.466 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 51004
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.7

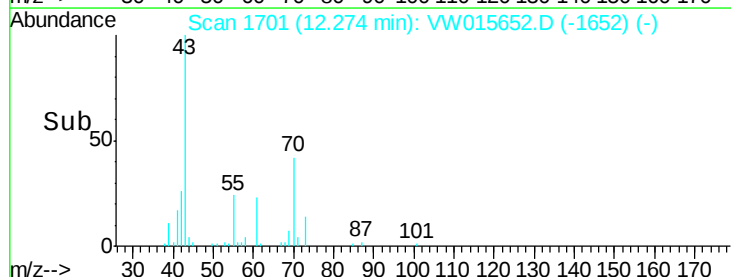
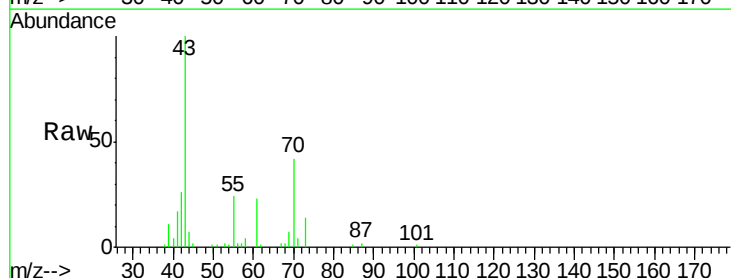
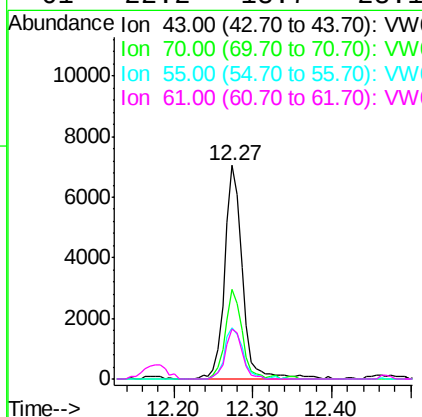
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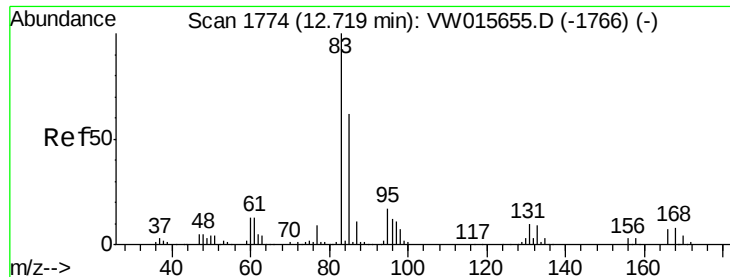
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#74
N-ethyl acetate
Concen: 4.622 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion: 43 Resp: 11082
Ion Ratio Lower Upper
43 100
70 39.5 33.6 50.4
55 24.4 19.7 29.5
61 22.2 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.148 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

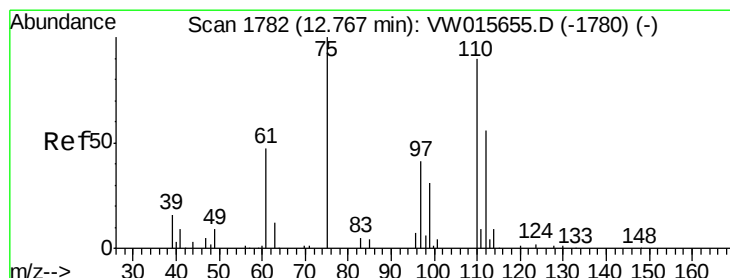
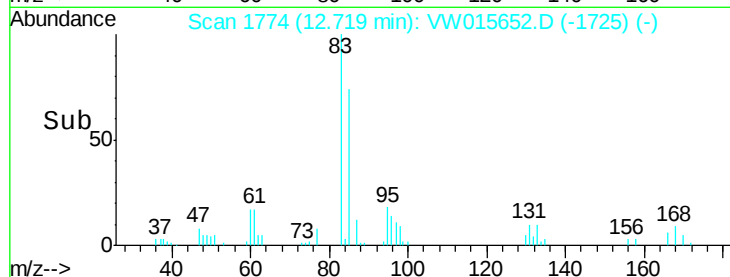
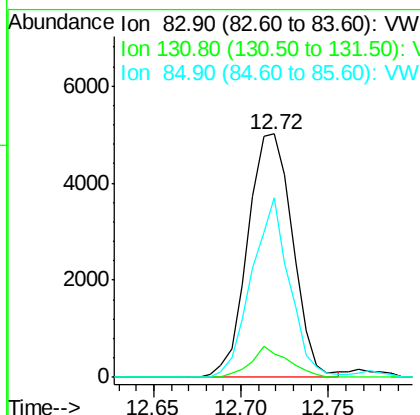
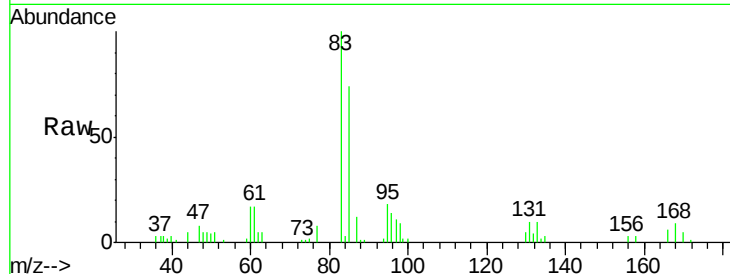
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	8928
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.4
85	62.4	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 5.276 ug/l m

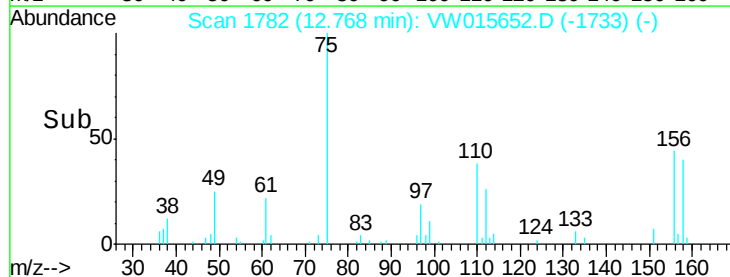
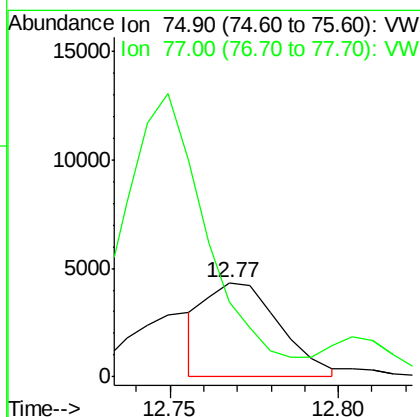
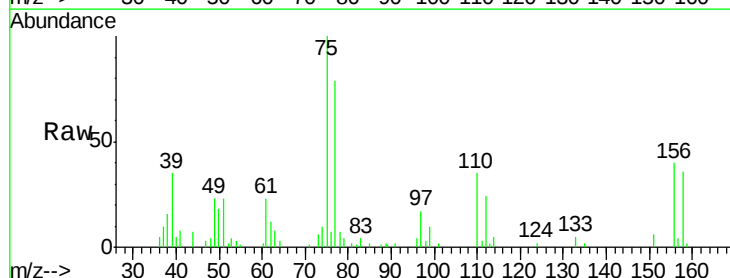
RT: 12.77 min Scan# 1782

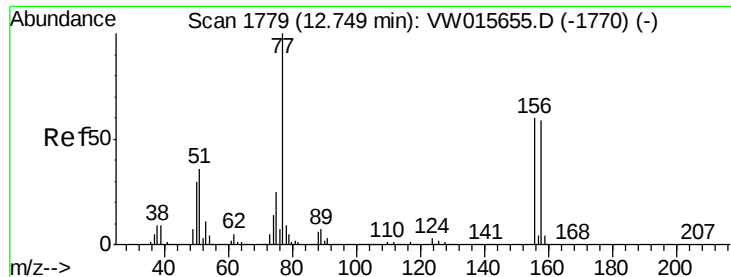
Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Tgt Ion:	75	Resp:	6618
Ion Ratio	Lower	Upper	
75	100		
77	346.4	179.1	537.1





#77

Bromobenzene

Concen: 5.014 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

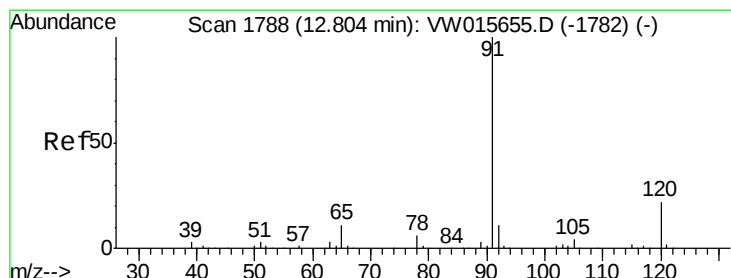
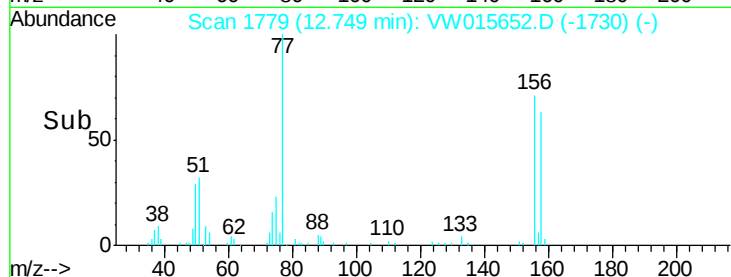
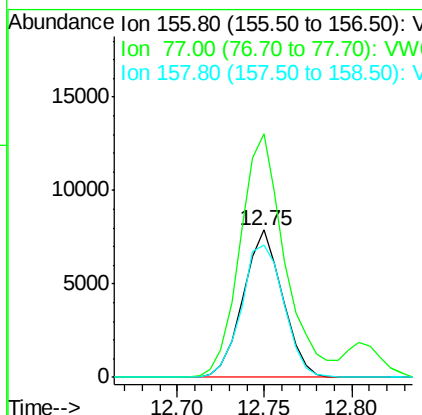
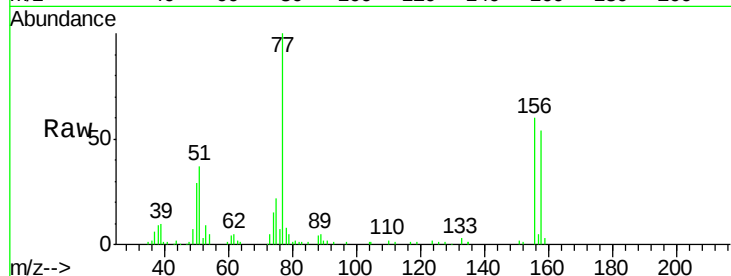
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	12358
Ion Ratio	Lower	Upper	
156	100		
77	185.5	94.5	283.5
158	96.6	47.9	143.6

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#78

n-propylbenzene

Concen: 4.558 ug/l

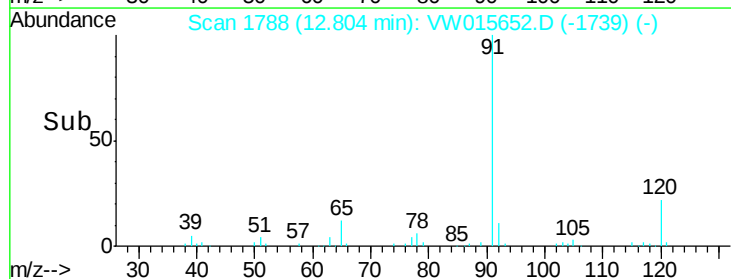
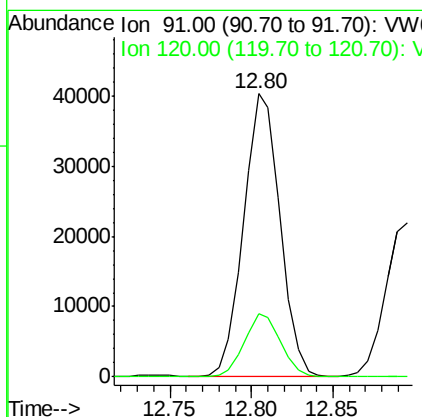
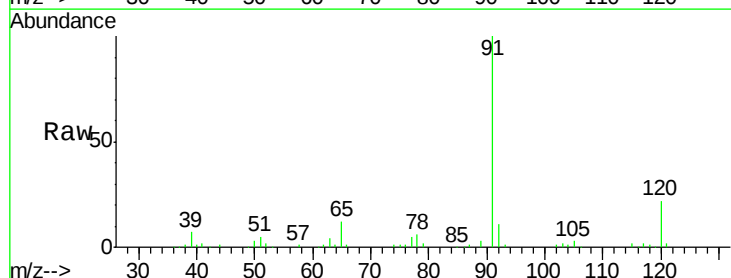
RT: 12.80 min Scan# 1788

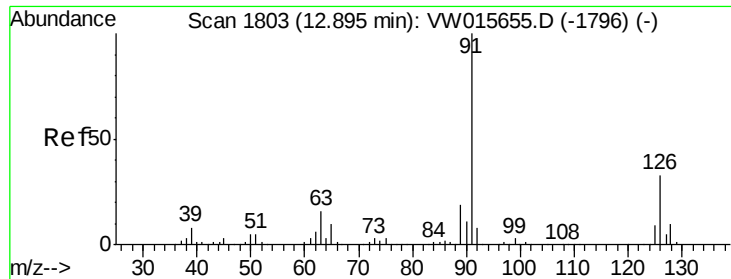
Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Tgt Ion:	91	Resp:	62359
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 4.642 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 35853

Ion Ratio Lower Upper

91 100

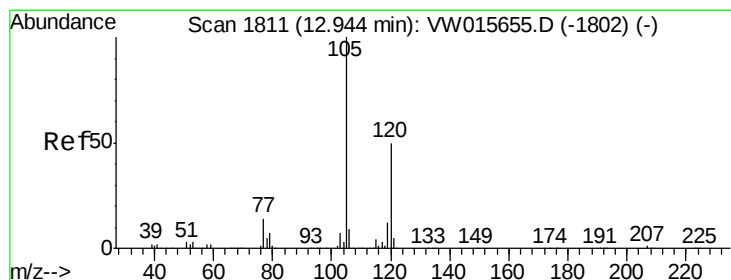
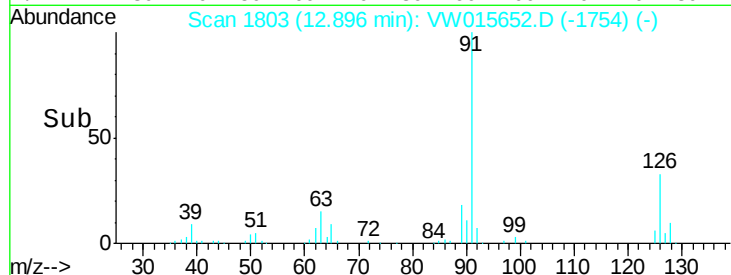
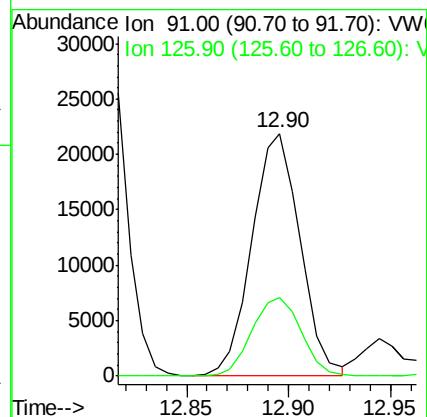
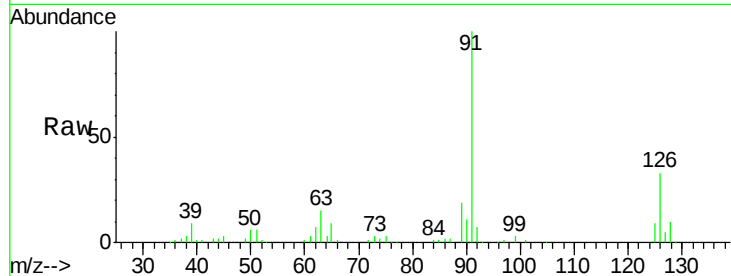
126 33.4 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.469 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015652.D

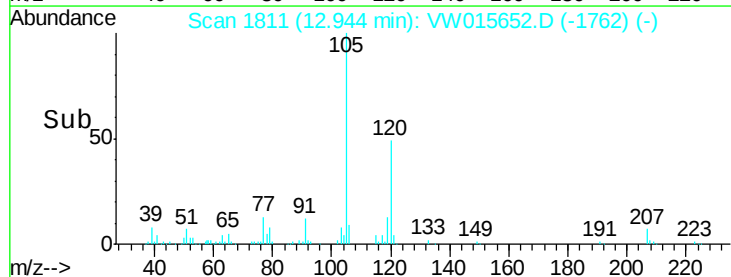
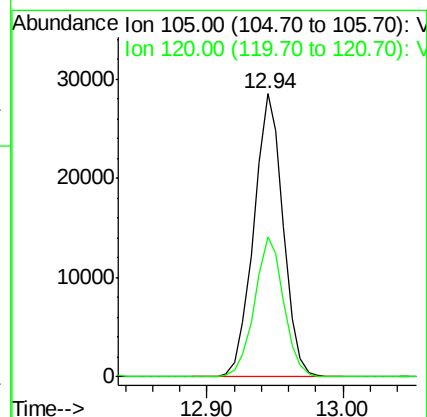
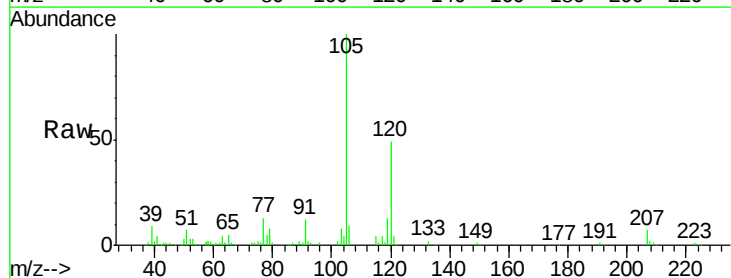
Acq: 23 Jun 2020 10:53

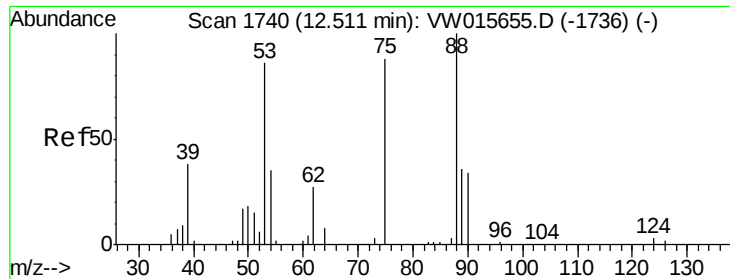
Tgt Ion: 105 Resp: 43126

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





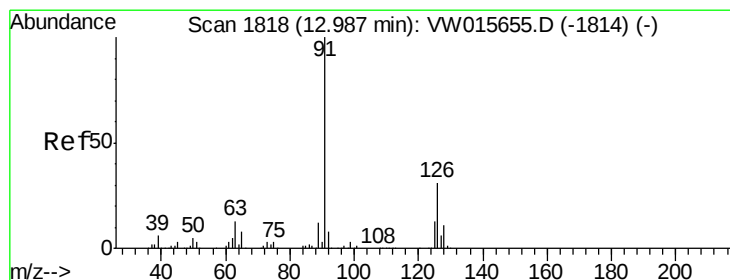
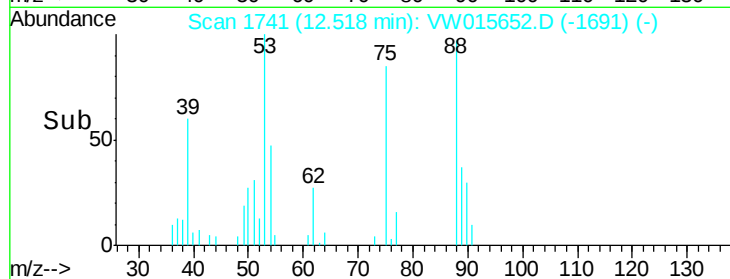
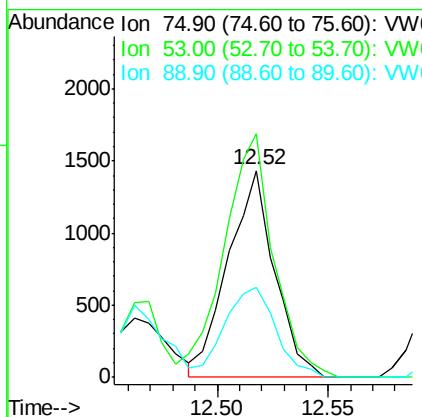
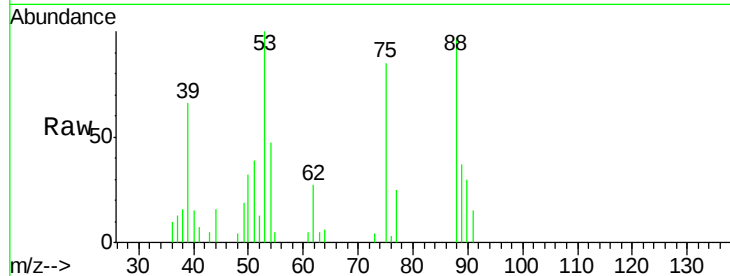
#81
trans-1,4-Dichloro-2-butene
Concen: 3.674 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.1	83.8	125.8#
89	48.0	36.6	55.0

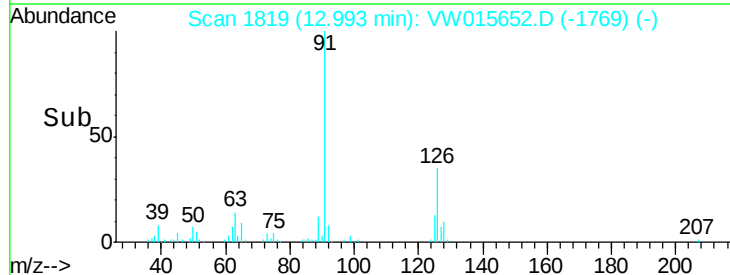
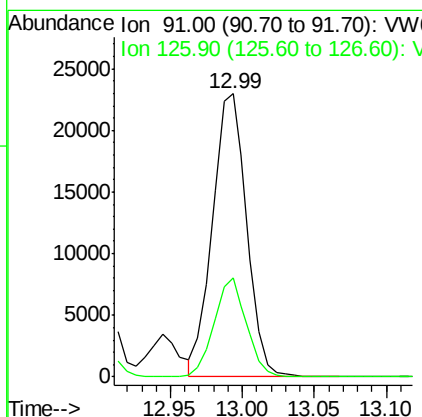
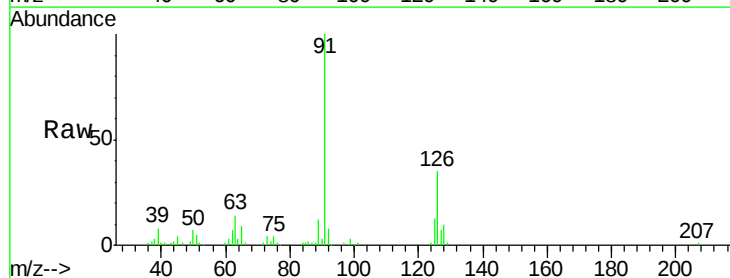
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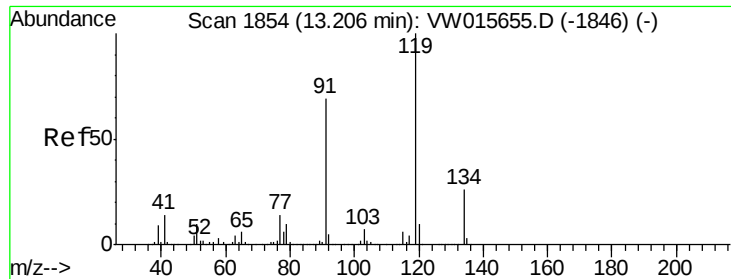
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#82
4-Chlorotoluene
Concen: 4.755 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.3	48.9





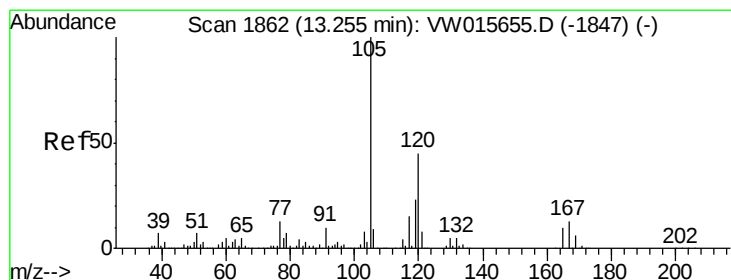
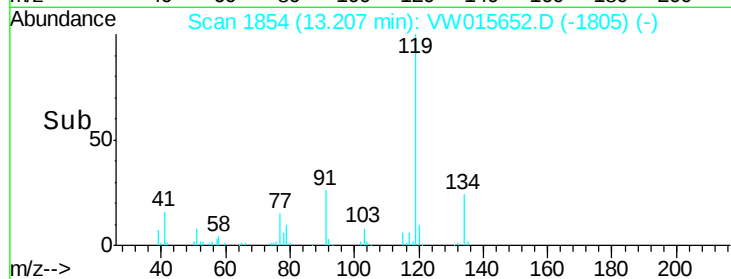
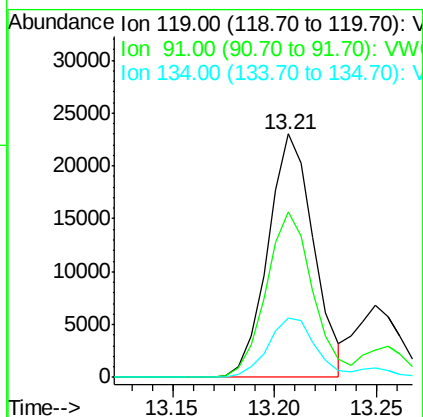
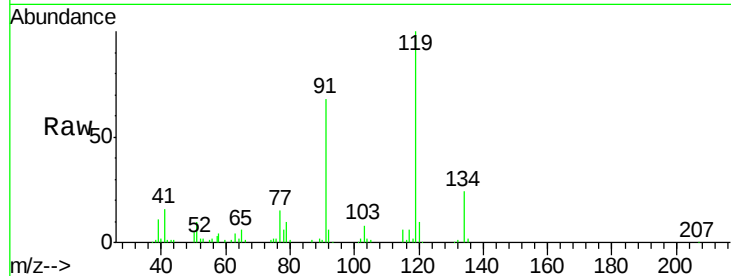
#83
tert-Butylbenzene
Concen: 4.395 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	34.7	104.1
134	25.3	13.8	41.4

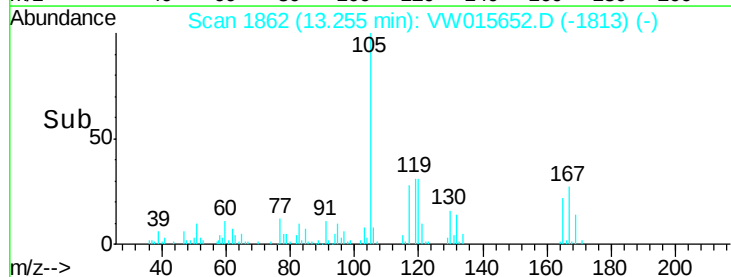
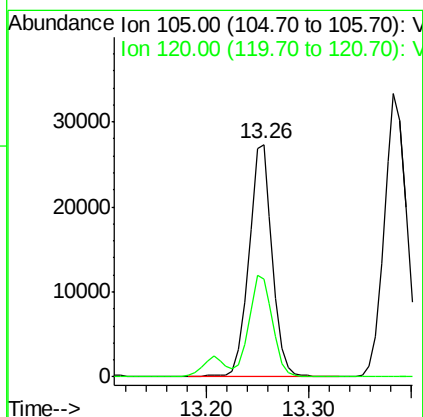
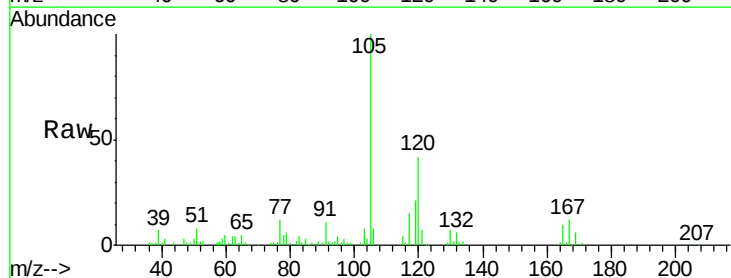
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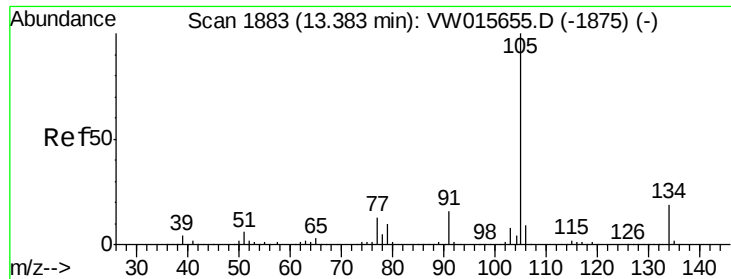
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#84
1,2,4-Trimethylbenzene
Concen: 4.530 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.8	68.3





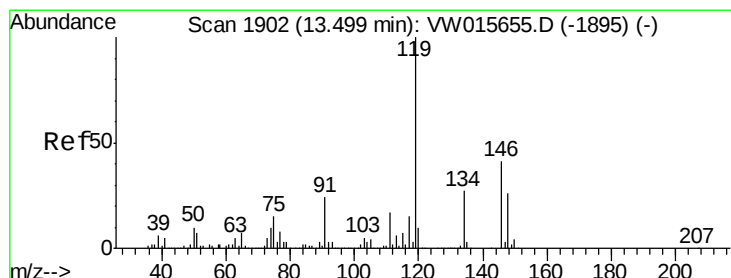
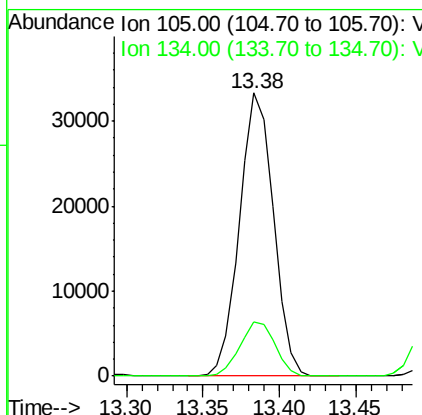
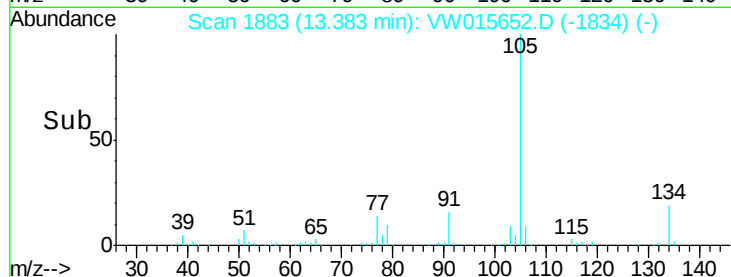
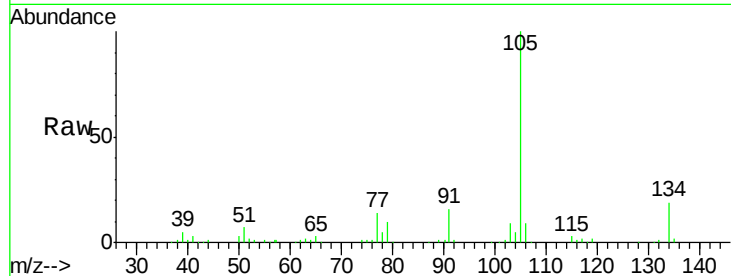
#85
 sec-Butylbenzene
 Concen: 4.419 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 51460
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 29.8

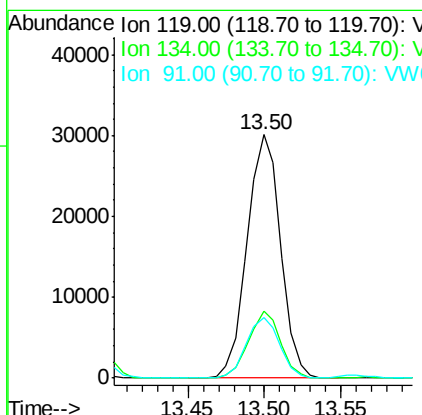
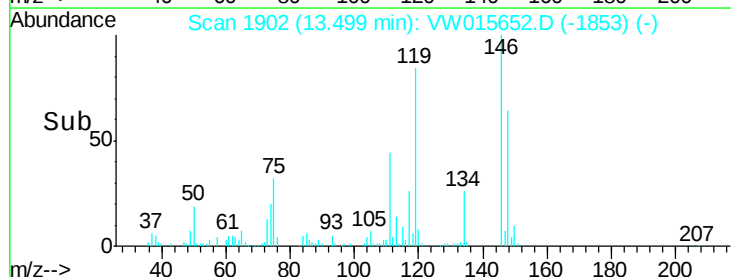
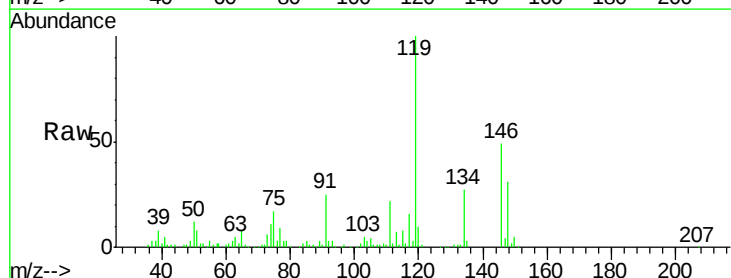
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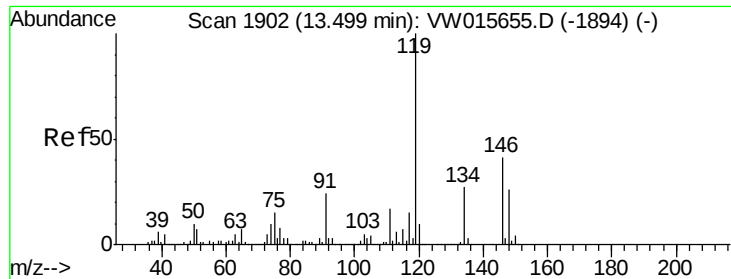
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 4.303 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Tgt Ion:119 Resp: 45709
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.5 40.4
 91 24.8 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 4.922 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

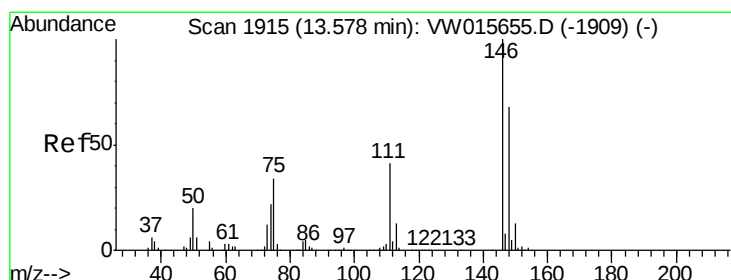
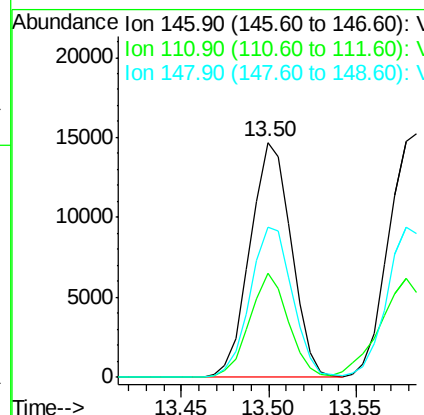
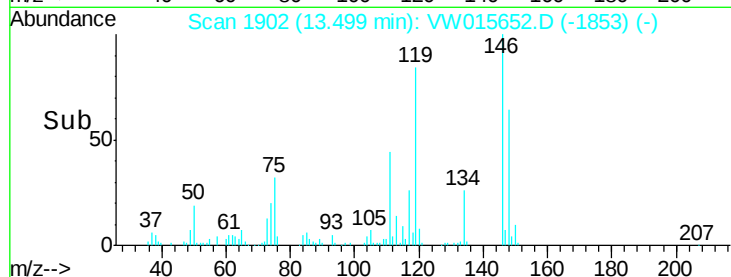
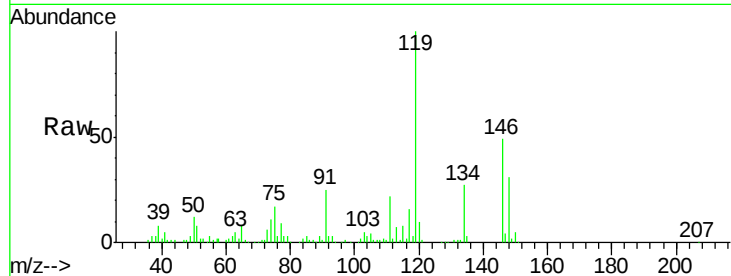
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	60.8
148	65.4	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.150 ug/l

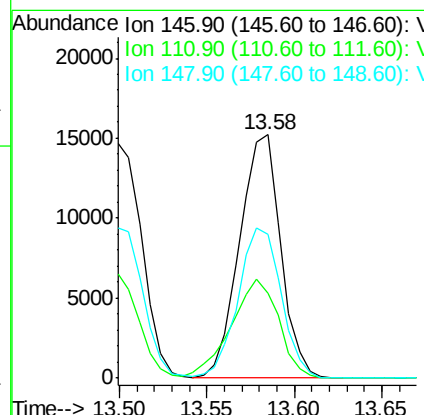
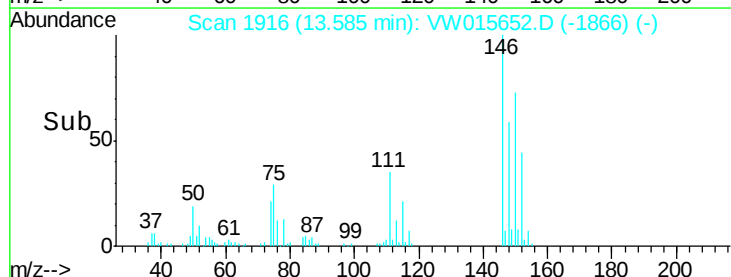
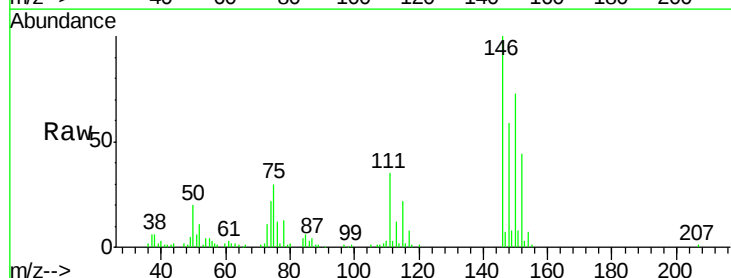
RT: 13.58 min Scan# 1916

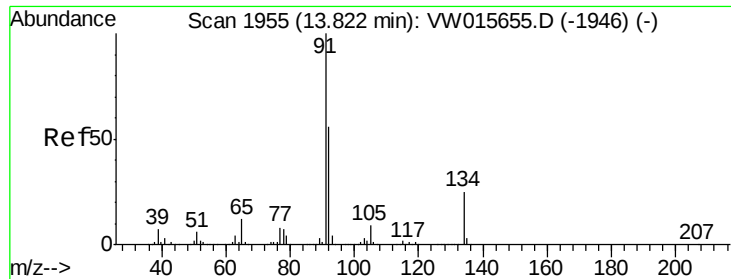
Delta R.T. 0.01 min

Lab File: VW015652.D

Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.0	20.3	60.9
148	64.7	33.7	101.1





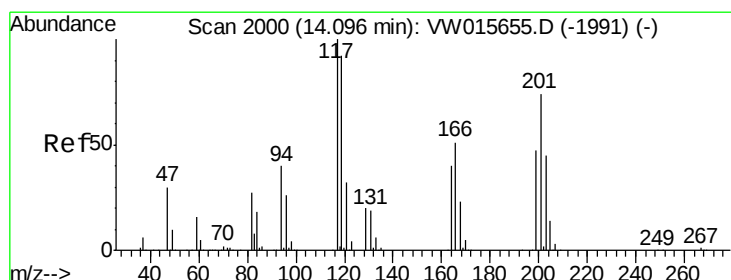
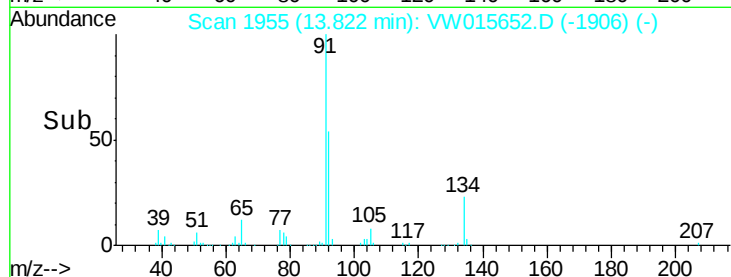
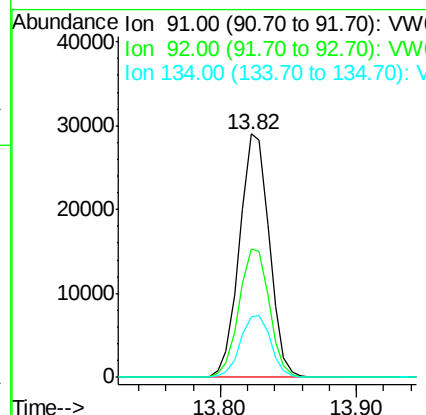
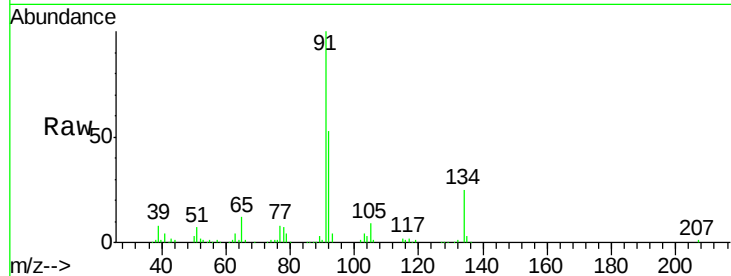
#89
n-Butylbenzene
Concen: 4.338 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.5	82.4
134	25.8	13.0	38.9

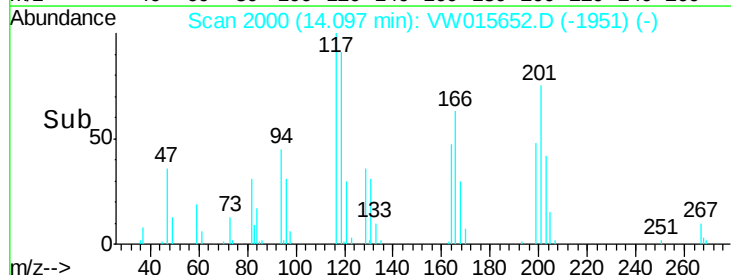
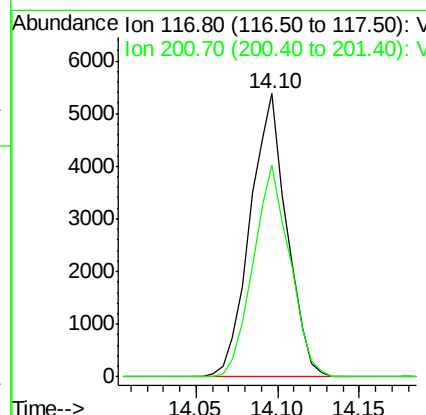
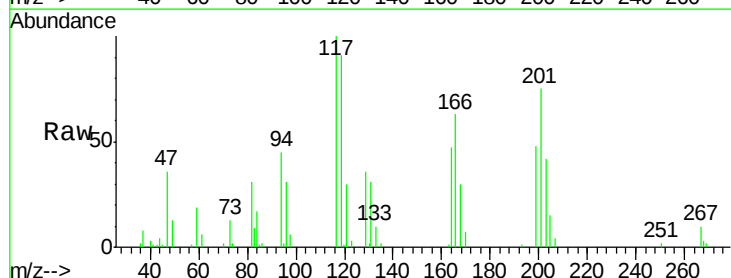
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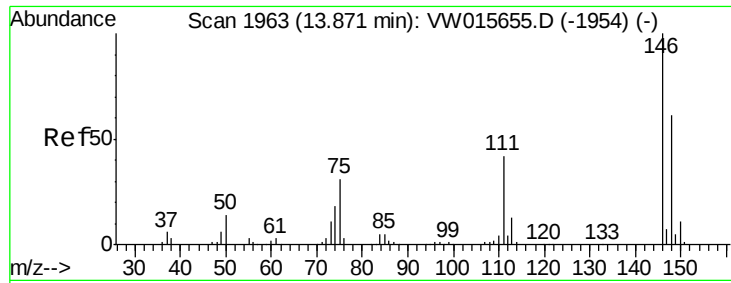
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#90
Hexachloroethane
Concen: 4.323 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	37.1	111.5





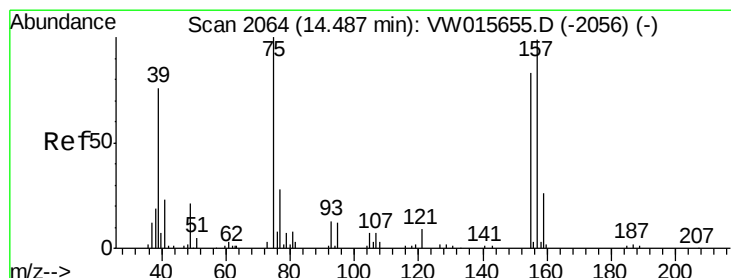
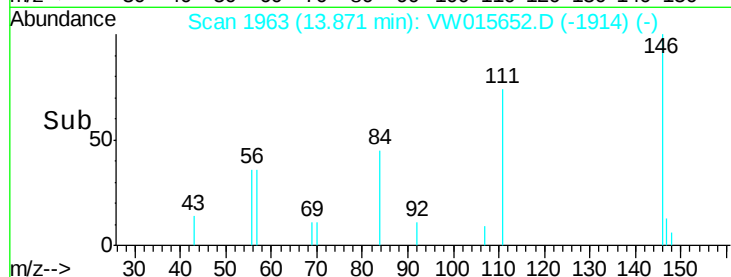
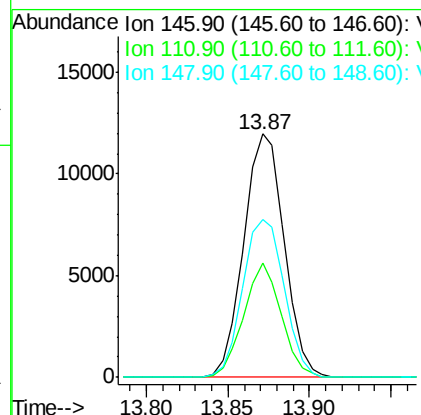
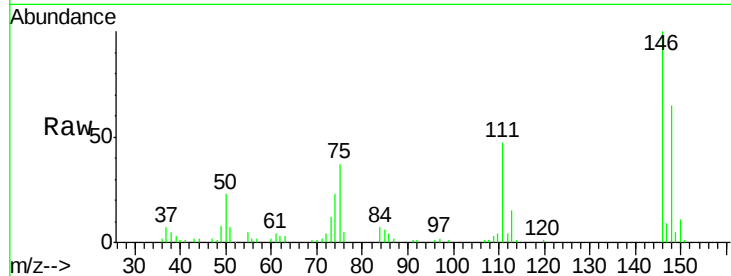
#91
 1,2-Dichlorobenzene
 Concen: 4.847 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.7
148	66.6	32.2	96.6

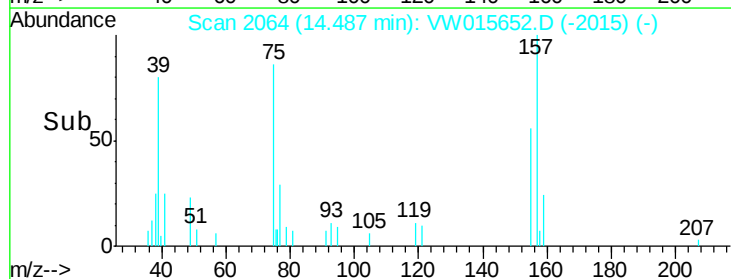
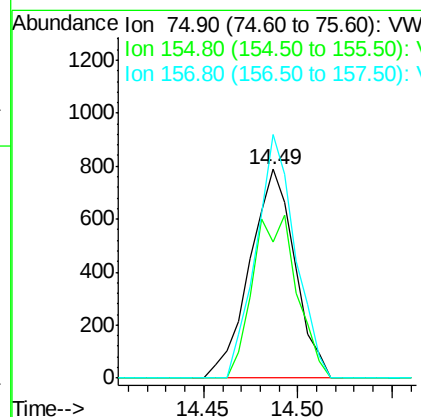
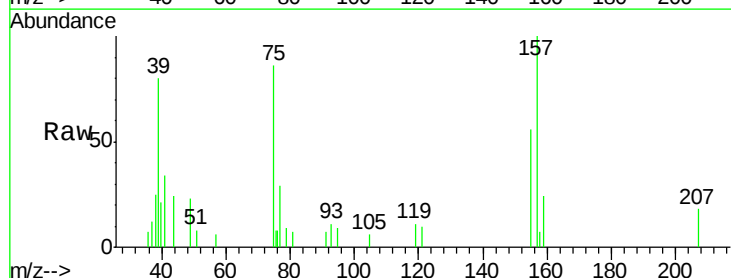
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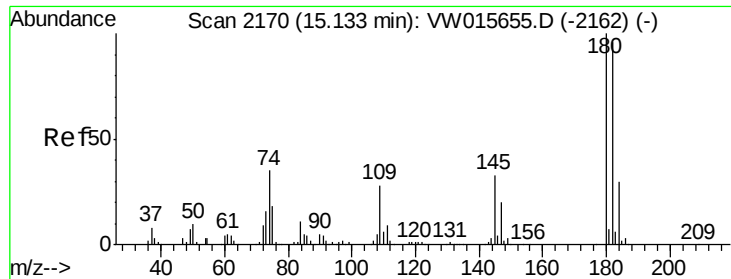
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.408 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015652.D
 Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	40.8	122.2
157	101.8	50.7	152.1





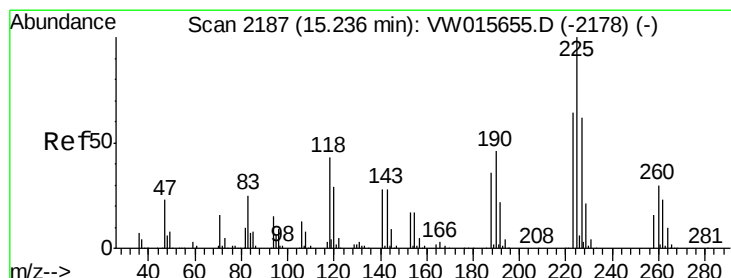
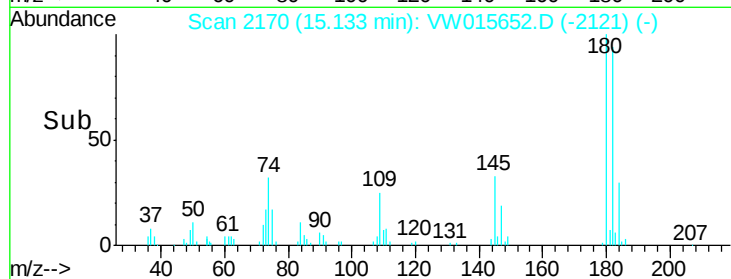
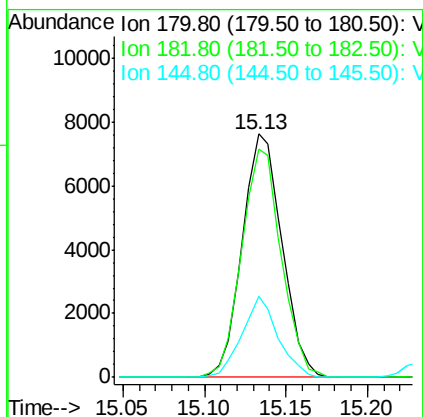
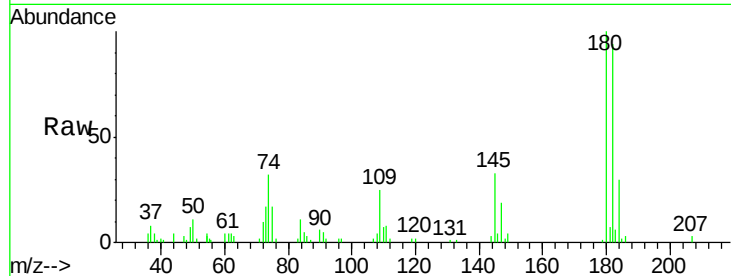
#93
1,2,4-Trichlorobenzene
Concen: 4.413 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	30.2	15.6	46.7

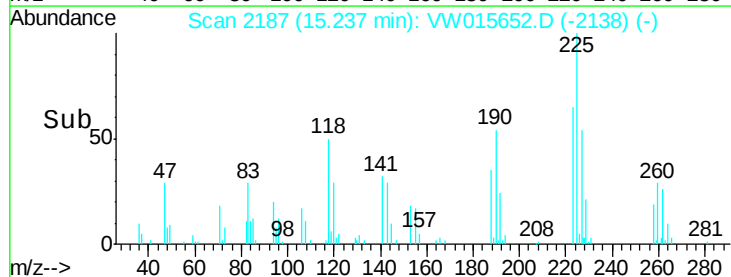
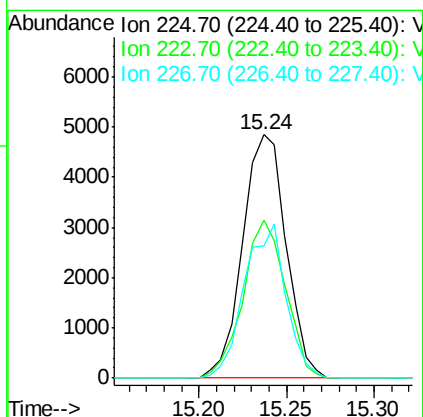
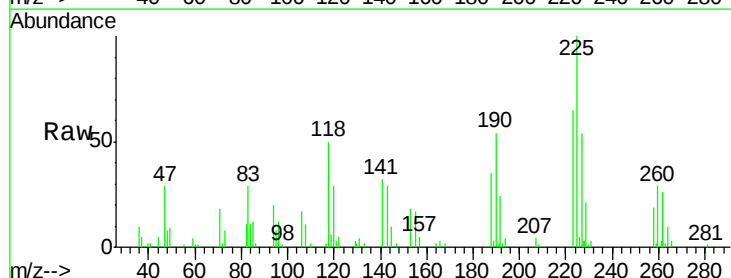
Manual Integrations
APPROVED

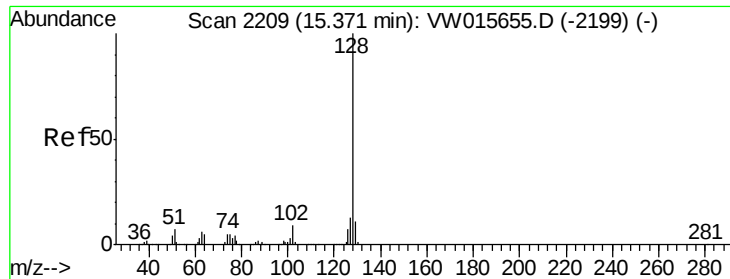
MMDadoda
6/24/2020 10:58:08 AM



#94
Hexachlorobutadiene
Concen: 4.651 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.0	93.0
227	60.7	31.9	95.9





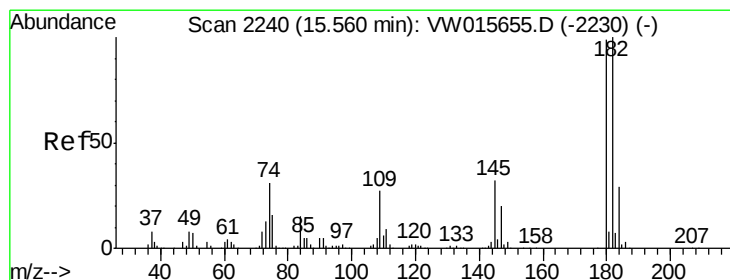
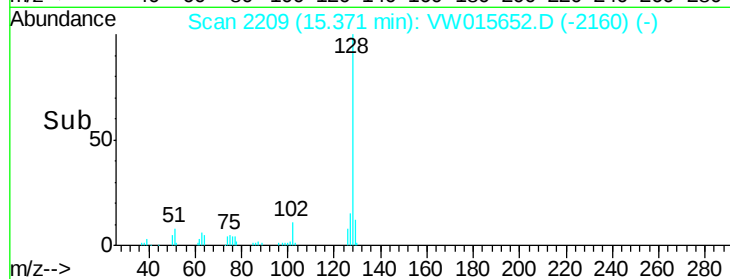
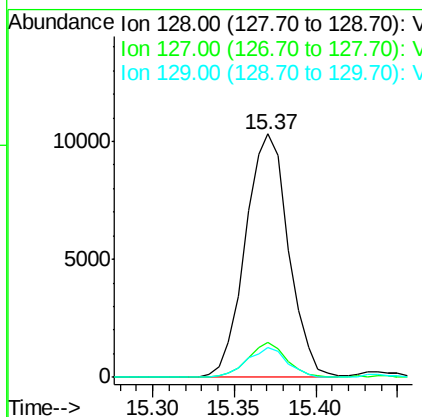
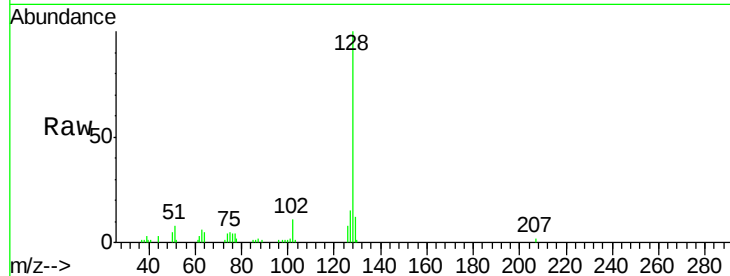
#95
Naphthalene
Concen: 3.887 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.632 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015652.D
Acq: 23 Jun 2020 10:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	49.0	147.0
145	31.3	16.4	49.2

