

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015524.D
 Acq On : 02 Jun 2020 13:00
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:20 PM

Quant Time: Jun 02 13:36:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	242509	97.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.20%	
35) Dibromofluoromethane	7.88	113	218805	105.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.12%	
50) Toluene-d8	10.32	98	896120	105.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.58%	
62) 4-Bromofluorobenzene	12.62	95	332273	105.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	136253	103.743	ug/l	97
3) Chloromethane	2.22	50	150111	91.950	ug/l	100
4) Vinyl Chloride	2.37	62	237581	95.696	ug/l	98
5) Bromomethane	2.78	94	166056	85.585	ug/l	100
6) Chloroethane	2.93	64	156498	91.548	ug/l	97
7) Trichlorofluoromethane	3.26	101	185976	101.418	ug/l	99
8) Diethyl Ether	3.68	74	104814	90.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	214414	100.265	ug/l	99
10) Methyl Iodide	4.27	142	320117	99.004	ug/l	99
11) Tert butyl alcohol	5.18	59	77062	508.549	ug/l	99
12) 1,1-Dichloroethene	4.04	96	214337	97.158	ug/l	98
13) Acrolein	3.89	56	66047	371.346	ug/l	98
14) Allyl chloride	4.67	41	363202	94.061	ug/l	99
15) Acrylonitrile	5.37	53	222403	468.923	ug/l	99
16) Acetone	4.12	43	264255	611.068	ug/l	100
17) Carbon Disulfide	4.38	76	646932	96.082	ug/l	100
18) Methyl Acetate	4.67	43	97422	92.084	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	320457	89.540	ug/l	98
20) Methylene Chloride	4.92	84	220599	86.107	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	242192	96.460	ug/l	98
22) Diisopropyl ether	6.32	45	687395	91.145	ug/l	99
23) Vinyl Acetate	6.26	43	2090794	453.764	ug/l	99
24) 1,1-Dichloroethane	6.22	63	428326	94.554	ug/l	99
25) 2-Butanone	7.17	43	320437	505.102	ug/l	99
26) 2,2-Dichloropropane	7.17	77	282860	93.869	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	262513	96.004	ug/l	99
28) Bromochloromethane	7.51	49	164146	91.252	ug/l	99
29) Tetrahydrofuran	7.53	42	187912	463.493	ug/l	99
30) Chloroform	7.68	83	432101	95.784	ug/l	100
31) Cyclohexane	7.96	56	389968	85.751	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	373703	98.652	ug/l	99
36) 1,1-Dichloropropene	8.09	75	353859	99.091	ug/l	99
37) Ethyl Acetate	7.26	43	133513	94.942	ug/l	99
38) Carbon Tetrachloride	8.07	117	349697	103.512	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	438774	97.027	ug/l	98
40) Benzene	8.32	78	951787	97.322	ug/l	100
41) Methacrylonitrile	7.48	41	83418	93.009	ug/l	99
42) 1,2-Dichloroethane	8.40	62	287862	96.081	ug/l	100
43) Isopropyl Acetate	8.43	43	274839	92.859	ug/l	99
44) Trichloroethene	9.09	130	257693	101.513	ug/l	95
45) 1,2-Dichloropropane	9.37	63	231711	95.858	ug/l	98
46) Dibromomethane	9.46	93	119284	98.016	ug/l	100
47) Bromodichloromethane	9.65	83	326837	99.404	ug/l	99
48) Methyl methacrylate	9.44	41	132554	97.396	ug/l	98
49) 1,4-Dioxane	9.45	88	37412	2374.824	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	662367	476.895	ug/l	100
52) Toluene	10.39	92	627926	99.025	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	329487	98.107	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	386755	98.316	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	166336	96.869	ug/l	99
56) Ethyl methacrylate	10.65	69	228047	97.231	ug/l	98
57) 1,3-Dichloropropane	10.93	76	296433	96.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	544256	487.485	ug/l	99
59) 2-Hexanone	10.97	43	472251	496.961	ug/l	100
60) Dibromochloromethane	11.13	129	207372	100.210	ug/l	98
61) 1,2-Dibromoethane	11.24	107	161092	98.968	ug/l	99
64) Tetrachloroethene	10.87	164	212983	104.958	ug/l	93
65) Chlorobenzene	11.66	112	644009	98.572	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	239053	102.982	ug/l	97
67) Ethyl Benzene	11.73	91	1237383	99.161	ug/l	97
68) m/p-Xylenes	11.84	106	926202	199.371	ug/l	100
69) o-Xylene	12.16	106	438970	100.708	ug/l	100
70) Styrene	12.18	104	756479	100.809	ug/l	99
71) Bromoform	12.35	173	117719	103.553	ug/l #	100
73) Isopropylbenzene	12.46	105	1220071	100.966	ug/l	98
74) N-amyl acetate	12.27	43	268529	93.795	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	188281	98.619	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	134113m	101.992	ug/l	
77) Bromobenzene	12.75	156	266370	103.289	ug/l	99
78) n-propylbenzene	12.80	91	1456456	100.597	ug/l	99
79) 2-Chlorotoluene	12.90	91	824631	100.931	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1036255	102.073	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	66868	98.864	ug/l	97
82) 4-Chlorotoluene	12.99	91	850195	98.530	ug/l	100
83) tert-Butylbenzene	13.21	119	878729	101.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1032024	101.551	ug/l	99
85) sec-Butylbenzene	13.38	105	1243743	101.911	ug/l	99
86) p-Isopropyltoluene	13.50	119	1126052	101.173	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	526279	103.213	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	515328	101.633	ug/l	99
89) n-Butylbenzene	13.82	91	1105588	102.001	ug/l	100
90) Hexachloroethane	14.09	117	212677	103.490	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	453236	101.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	32248	96.676	ug/l	98

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ClientSampleId :
VSTDICC100

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	317579	106.105	ug/l	100
94) Hexachlorobutadiene	15.24	225	194466	109.716	ug/l	96
95) Naphthalene	15.36	128	554384	103.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	267738	103.879	ug/l	98

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

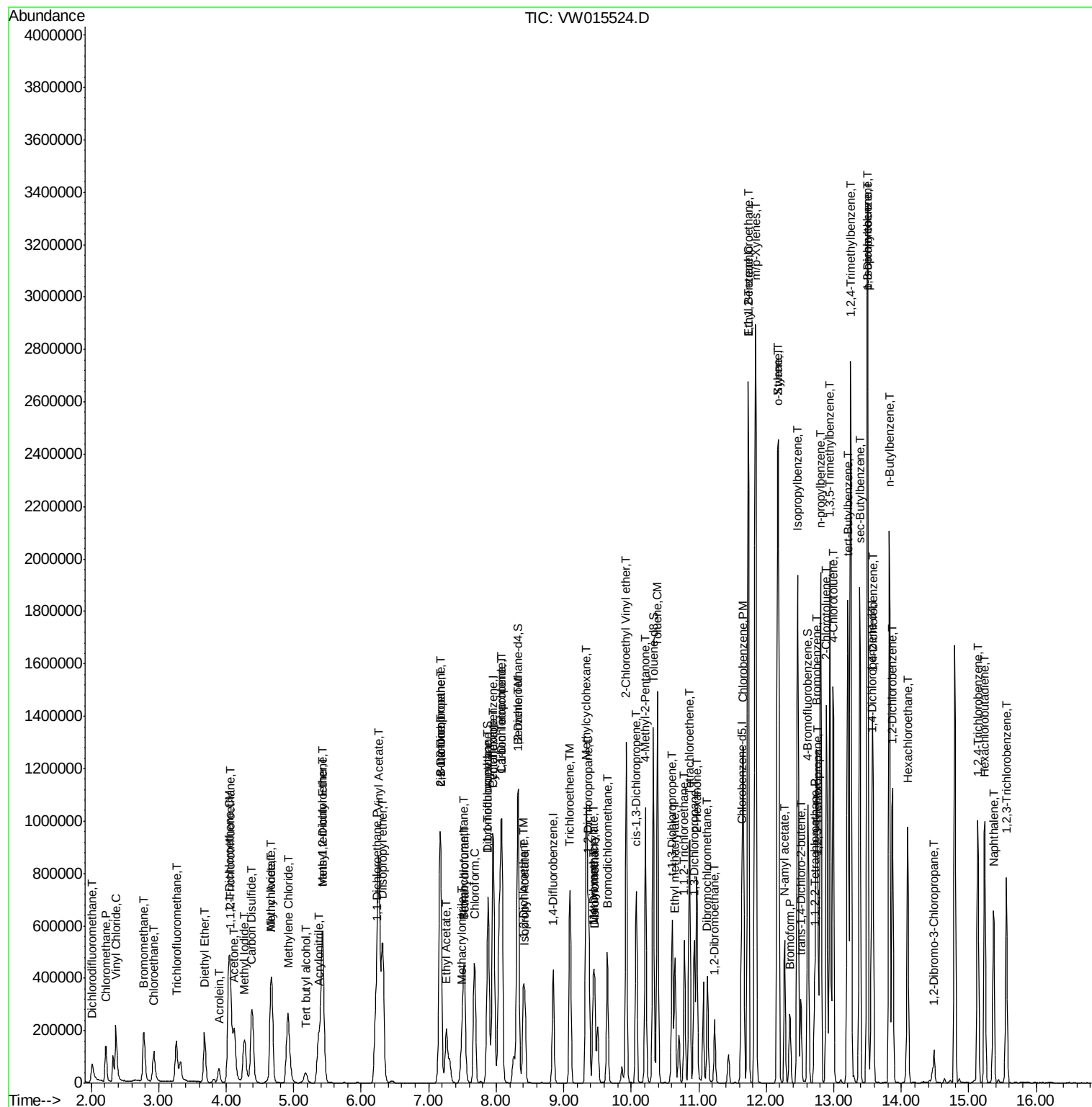
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015524.D
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 Operator : SY/VA
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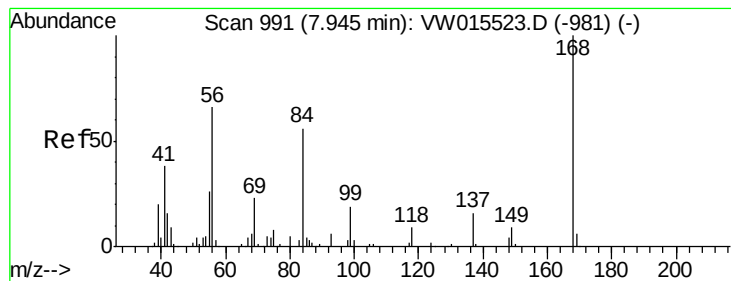
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 226601

Ion Ratio Lower Upper

168 100

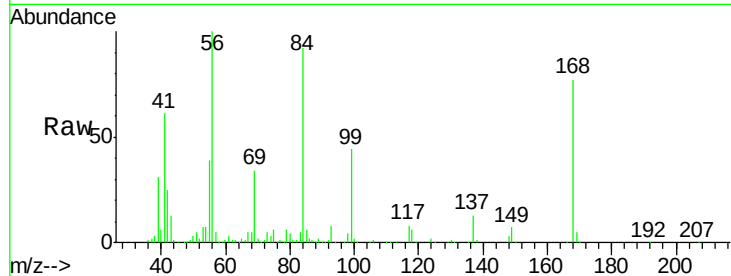
99 57.4 48.6 73.0

Manual Integrations

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6/2/2020 4:00:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

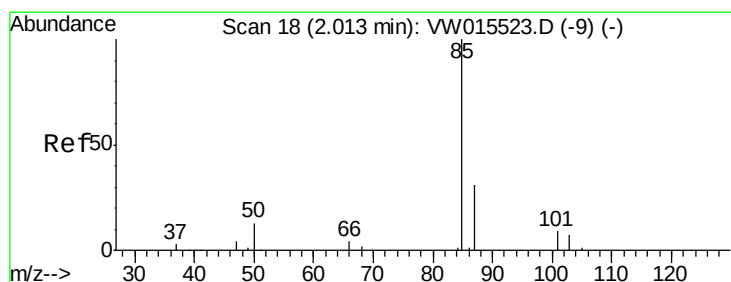
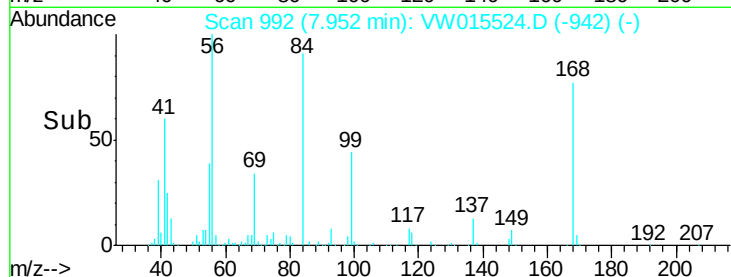
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 103.743 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015524.D

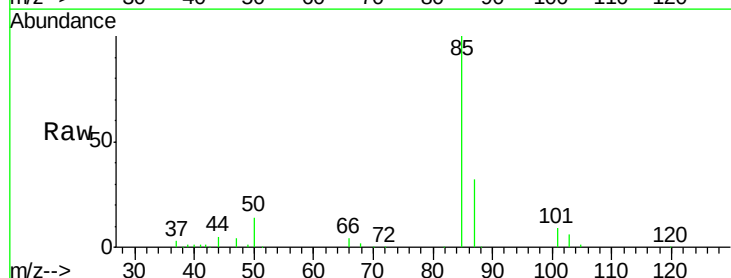
Acq: 02 Jun 2020 13:00

Tgt Ion: 85 Resp: 136253

Ion Ratio Lower Upper

85 100

87 32.4 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

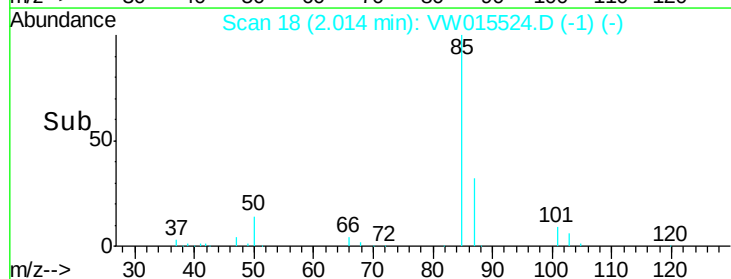
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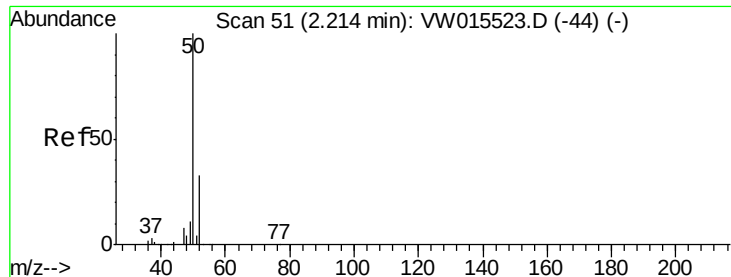
10000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 91.950 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 150111

Ion Ratio Lower Upper

50 100

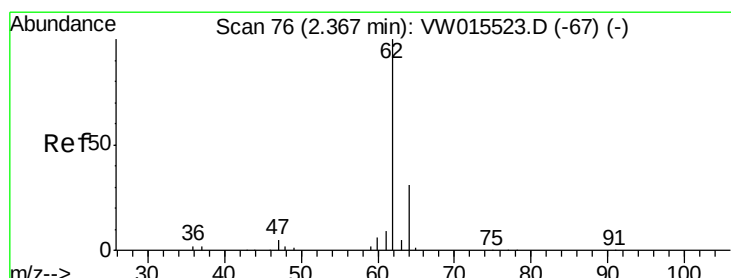
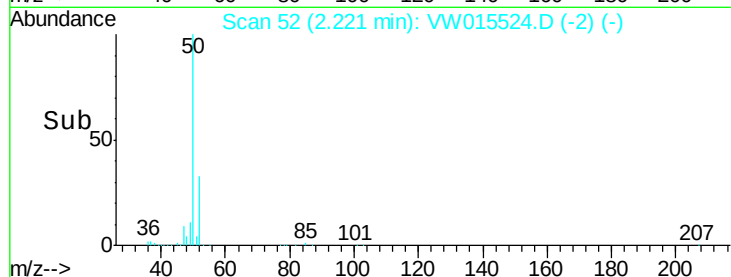
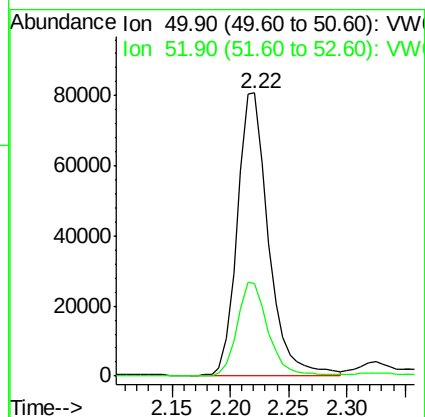
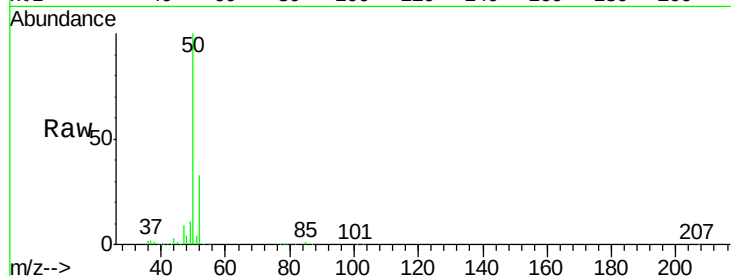
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 95.696 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015524.D

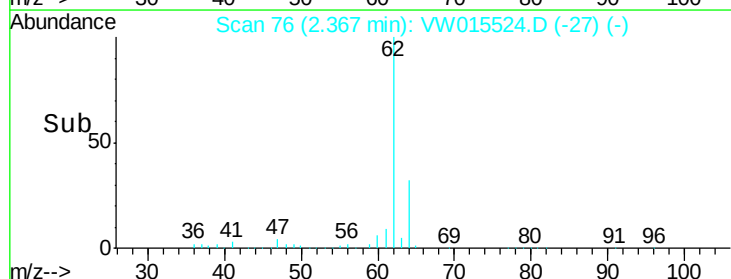
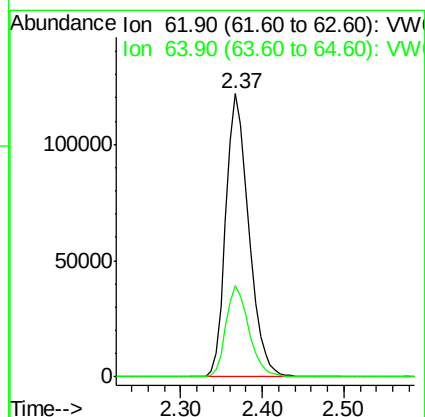
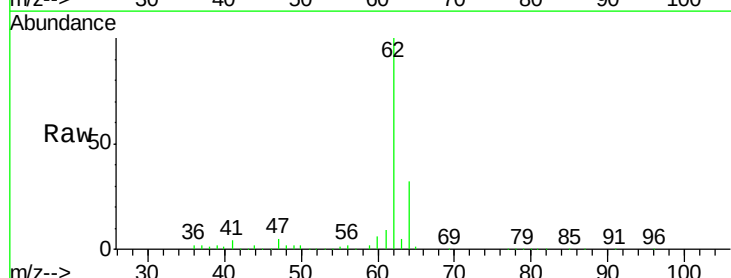
Acq: 02 Jun 2020 13:00

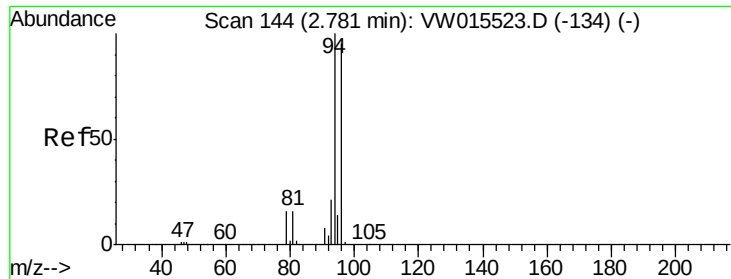
Tgt Ion: 62 Resp: 237581

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.4





#5

Bromomethane

Concen: 85.585 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 166056

Ion Ratio Lower Upper

94 100

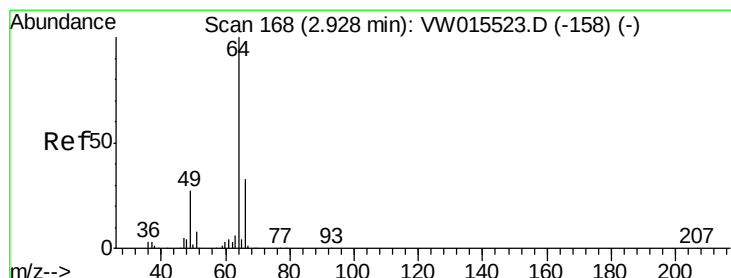
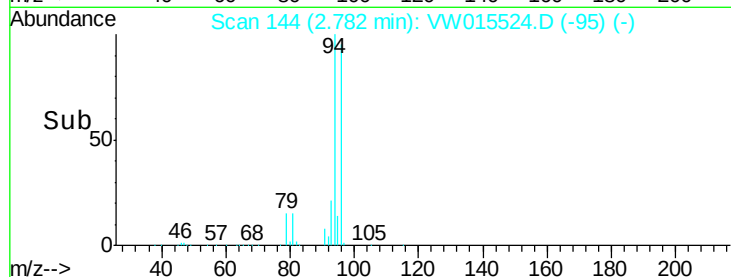
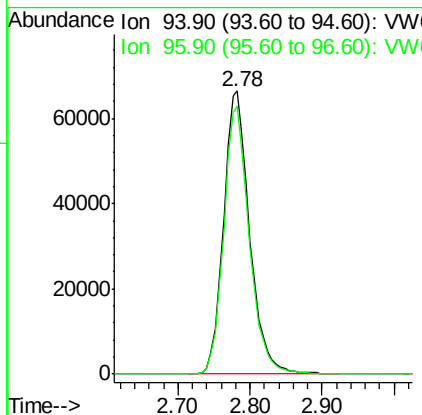
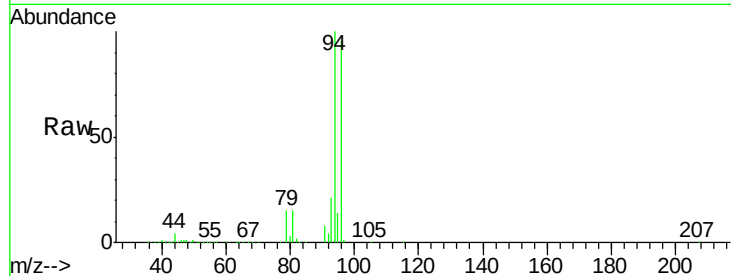
96 94.8 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 91.548 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015524.D

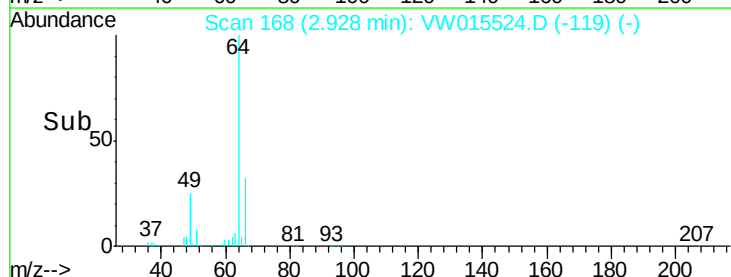
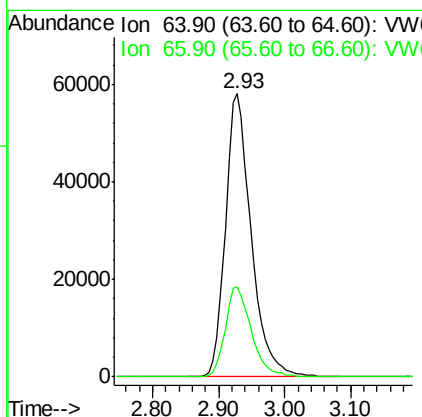
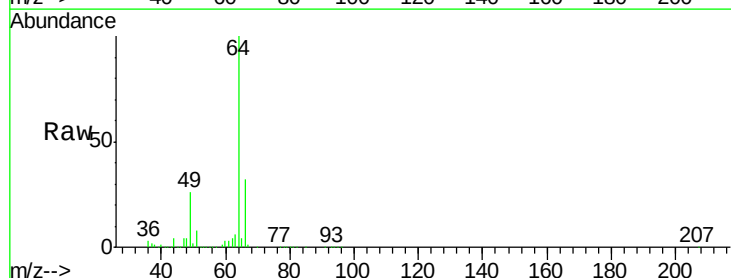
Acq: 02 Jun 2020 13:00

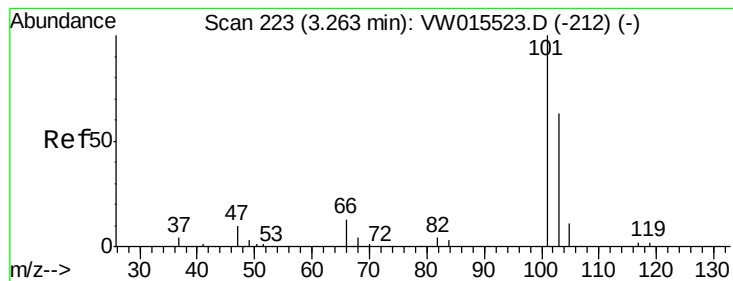
Tgt Ion: 64 Resp: 156498

Ion Ratio Lower Upper

64 100

66 31.9 26.8 40.2





#7

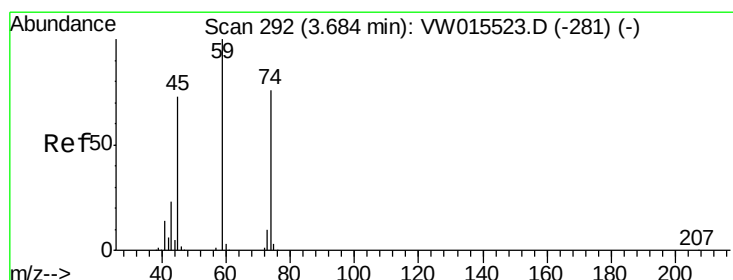
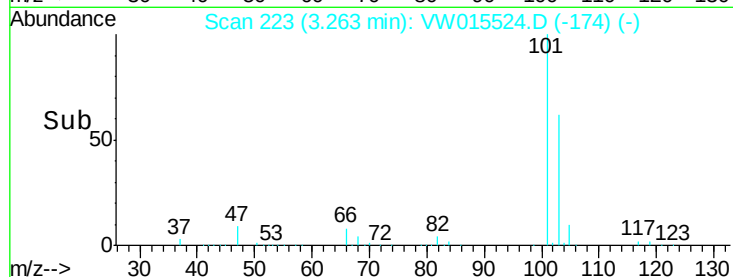
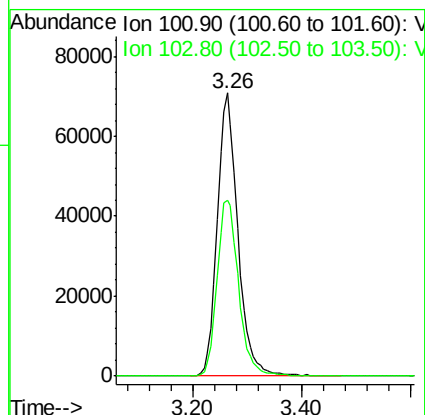
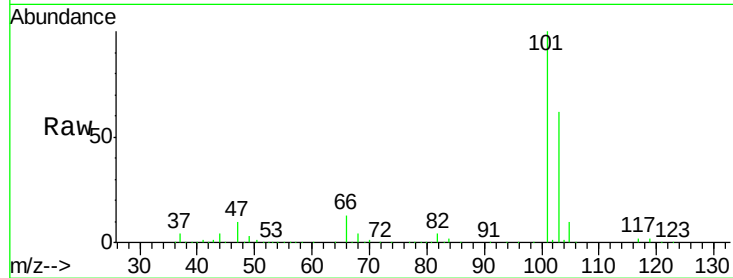
Trichlorofluoromethane
Concen: 101.418 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	50.2	75.2

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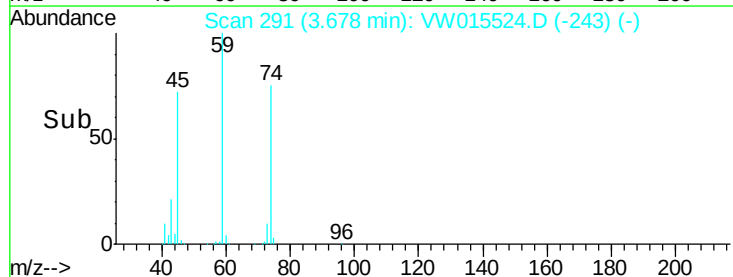
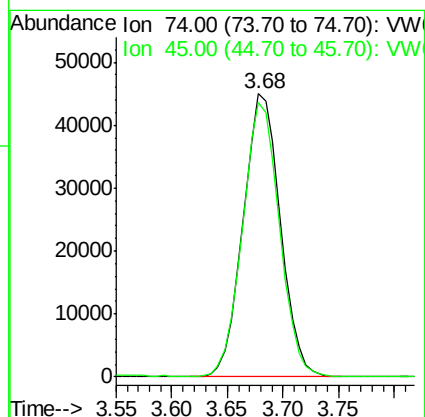
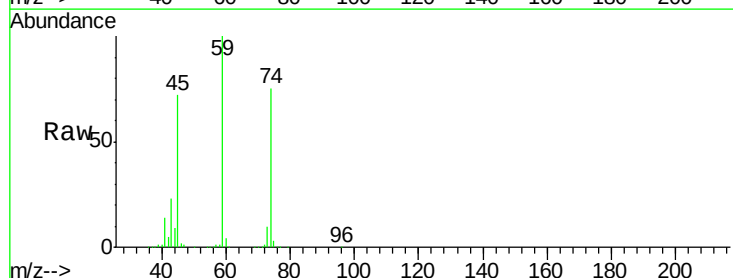
MMDadoda
6/2/2020 4:00:20 PM

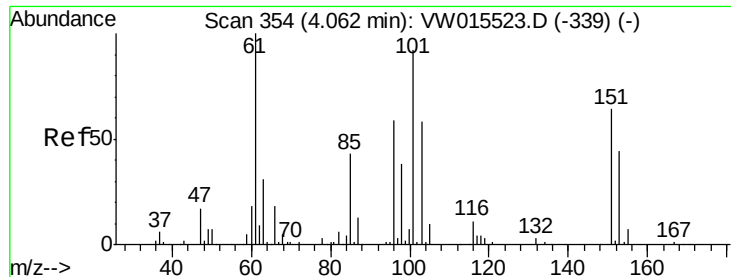


#8

Diethyl Ether
Concen: 90.720 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.265 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

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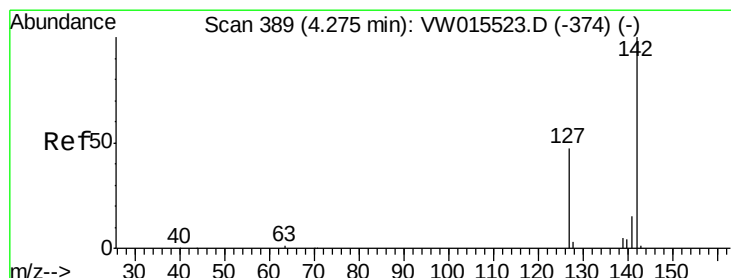
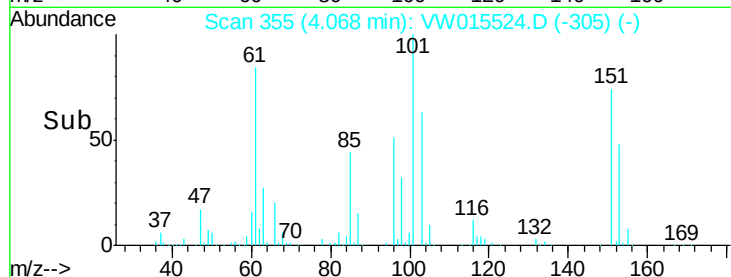
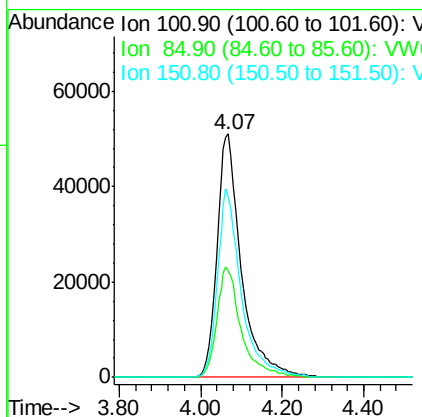
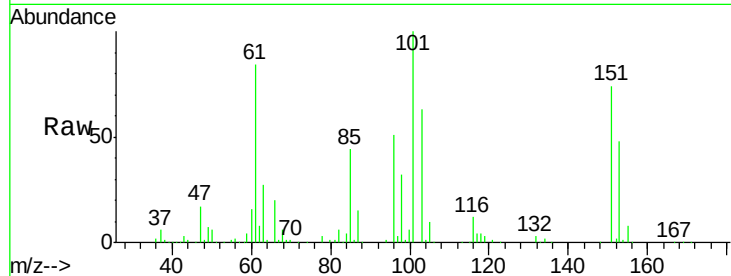
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	214414
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.0	55.6
151	75.5	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 99.004 ug/l

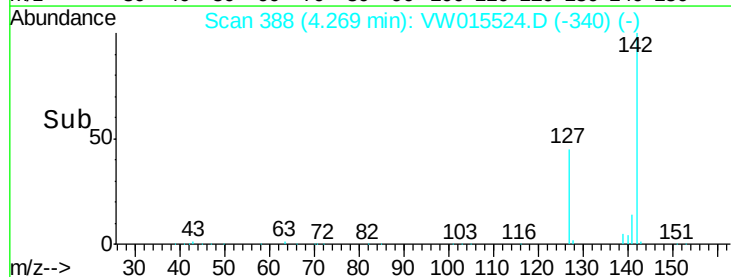
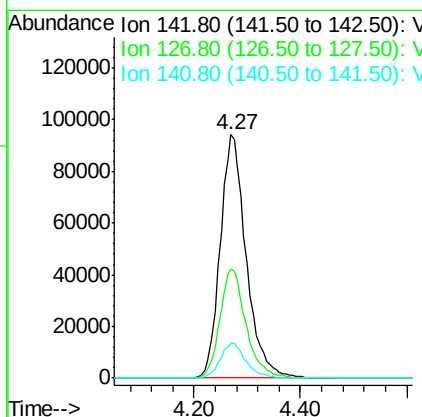
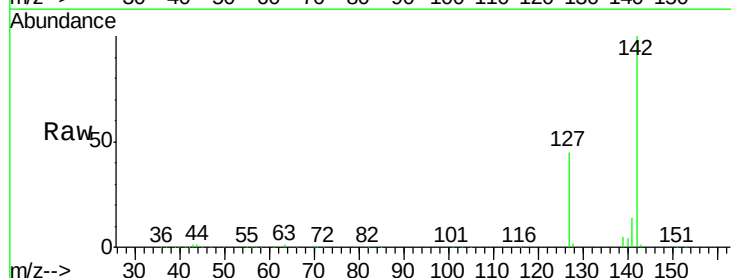
RT: 4.27 min Scan# 388

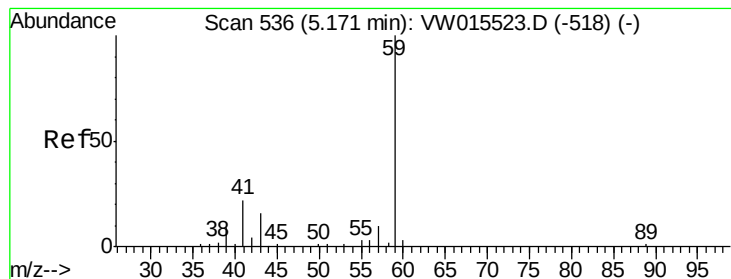
Delta R.T. -0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion:	142	Resp:	320117
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.9	55.3
141	14.5	11.7	17.5





#11

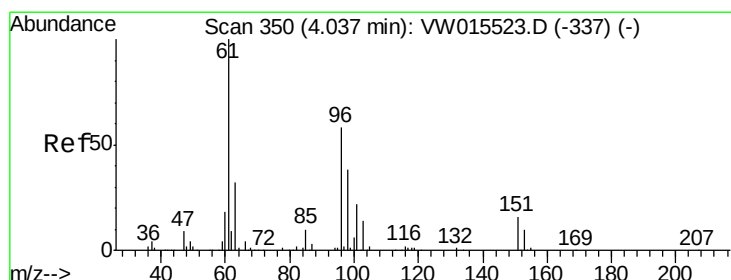
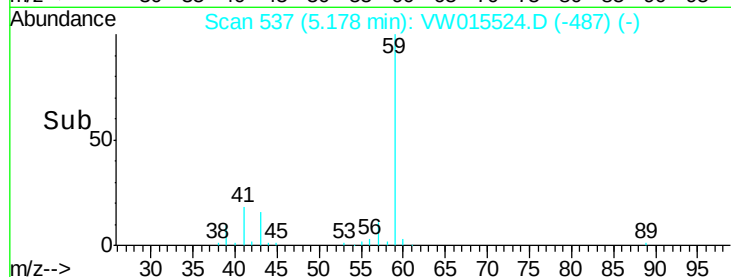
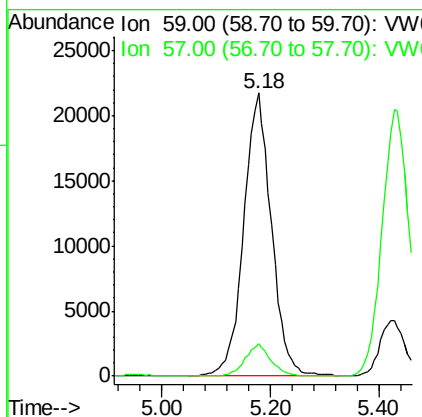
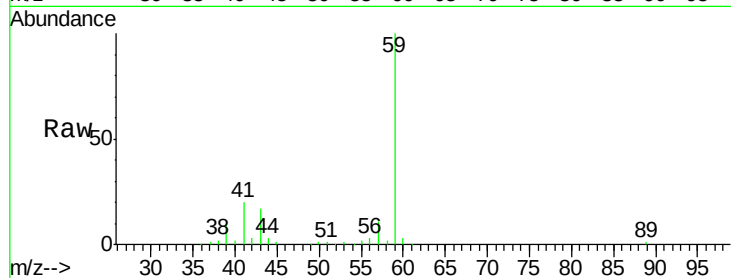
Tert butyl alcohol
Concen: 508.549 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Manual Integrations
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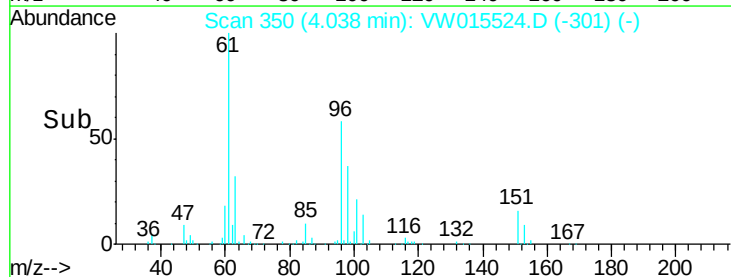
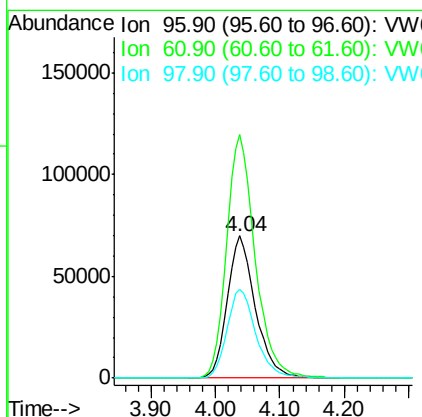
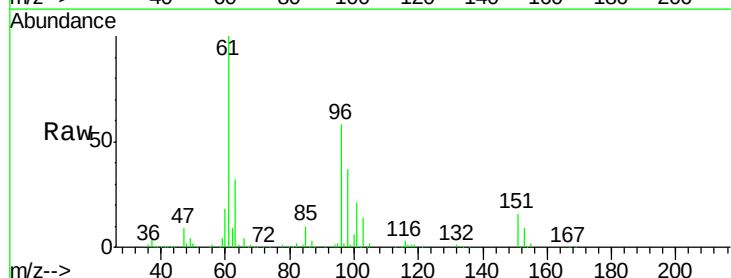
MMDadoda
6/2/2020 4:00:20 PM

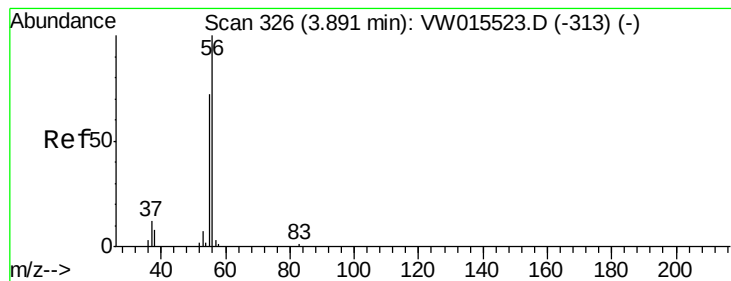


#12

1,1-Dichloroethene
Concen: 97.158 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	138.3	207.5
98	62.7	52.2	78.4





#13

Acrolein

Concen: 371.346 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 66047

Ion Ratio Lower Upper

56 100

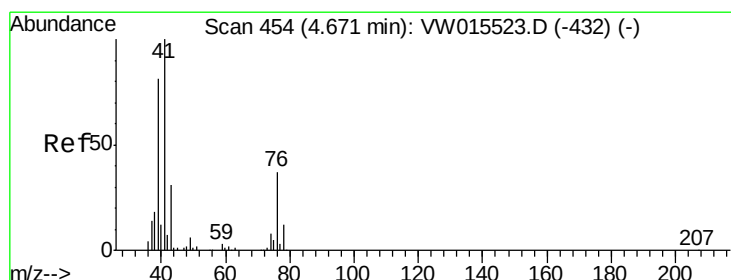
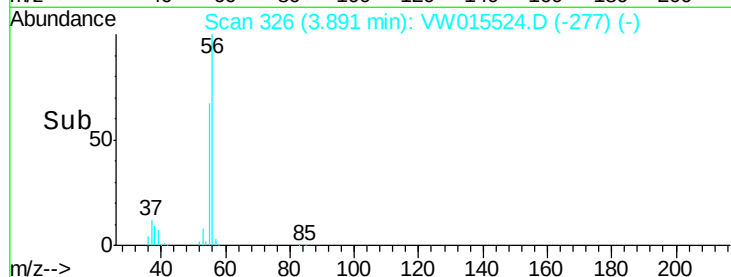
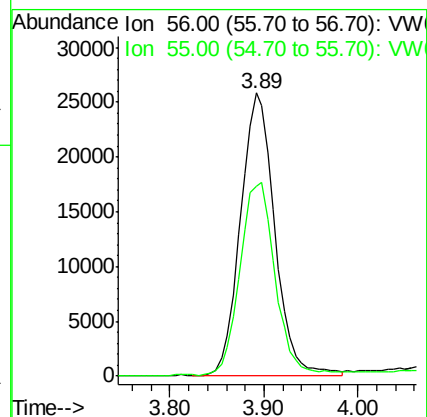
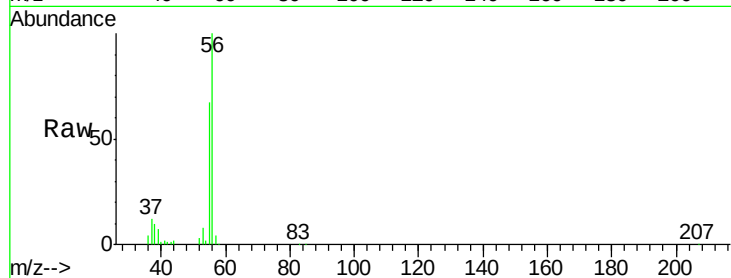
55 69.1 56.5 84.7

Manual Integrations

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MMDadoda

6/2/2020 4:00:20 PM



#14

Allyl chloride

Concen: 94.061 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

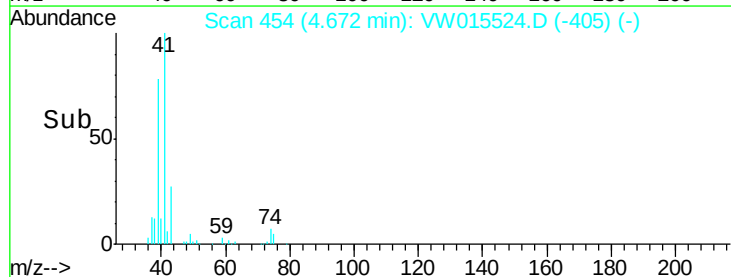
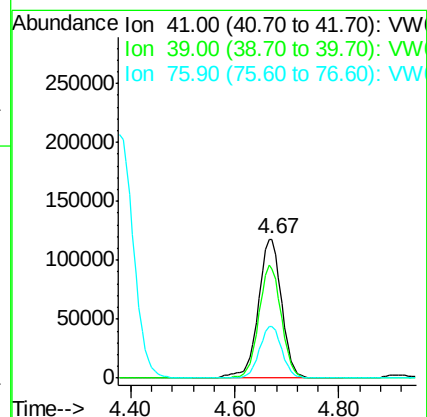
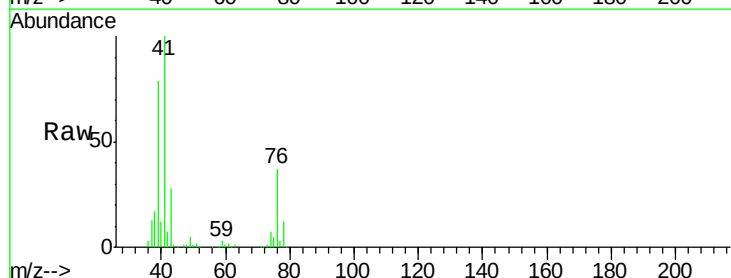
Tgt Ion: 41 Resp: 363202

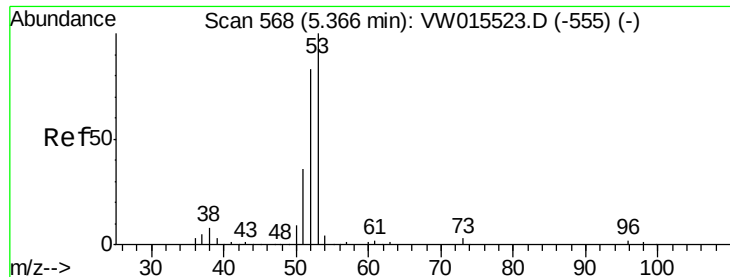
Ion Ratio Lower Upper

41 100

39 78.3 63.1 94.7

76 35.6 28.6 43.0





#15

Acrylonitrile

Concen: 468.923 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

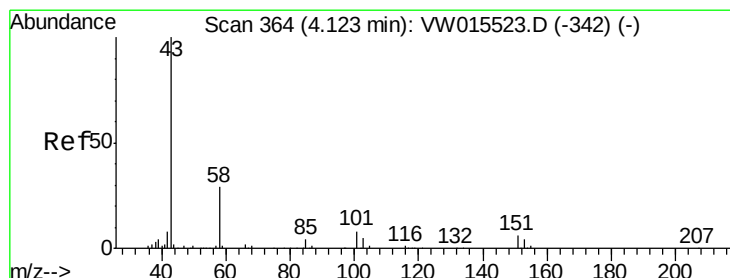
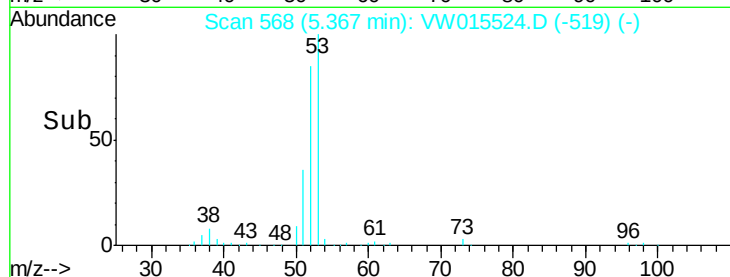
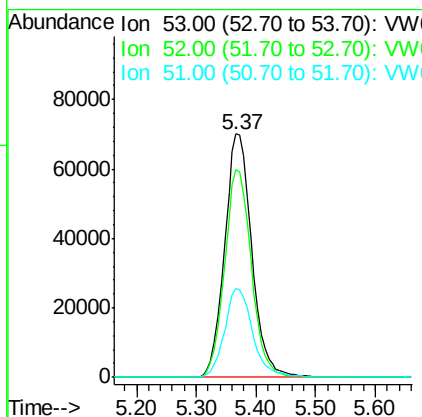
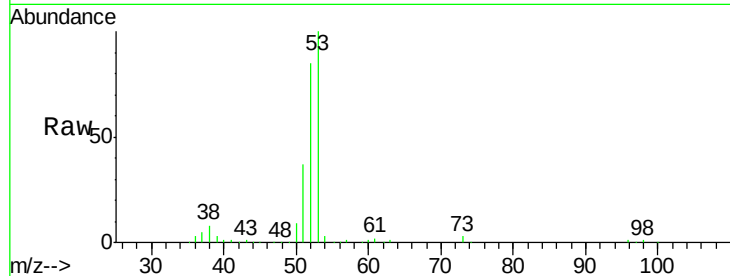
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	222403
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.1	99.1
51	37.9	30.2	45.4

Manual Integrations
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6/2/2020 4:00:20 PM



#16

Acetone

Concen: 611.068 ug/l

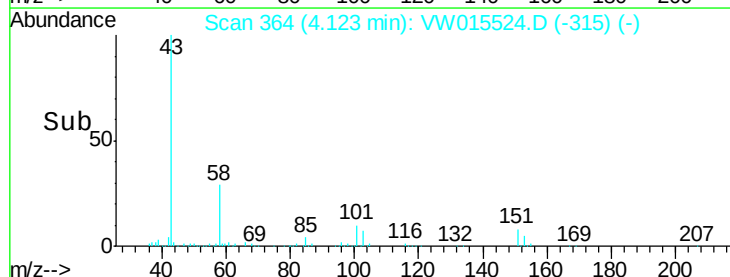
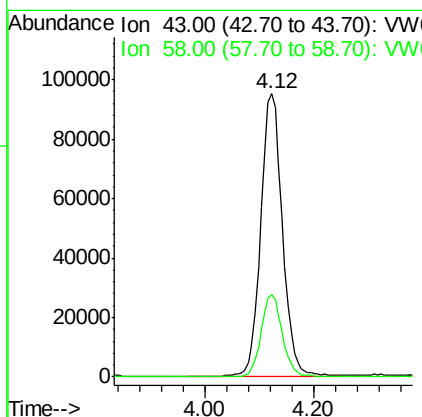
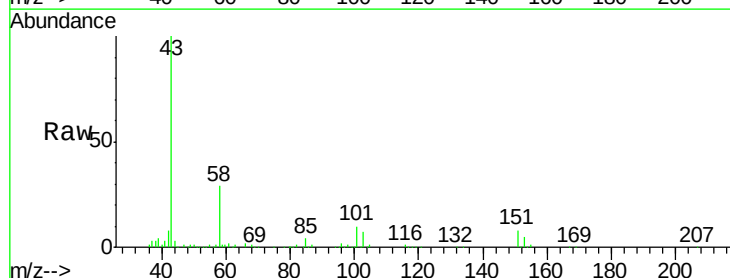
RT: 4.12 min Scan# 364

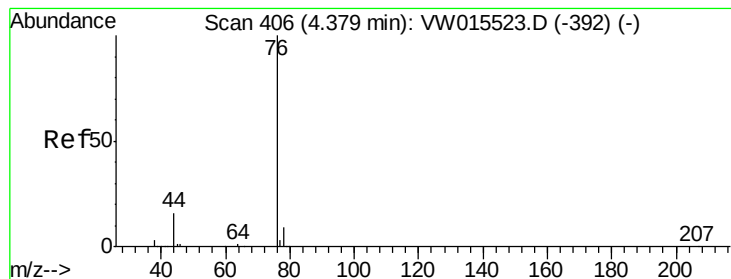
Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion:	43	Resp:	264255
Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.1	34.7





#17

Carbon Disulfide

Concen: 96.082 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 646932

Ion Ratio Lower Upper

76 100

78 9.2

7.4

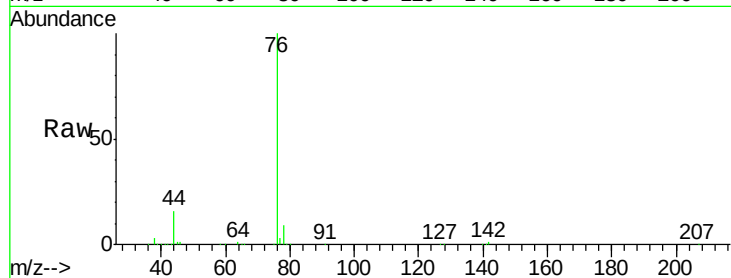
11.2

Manual Integrations

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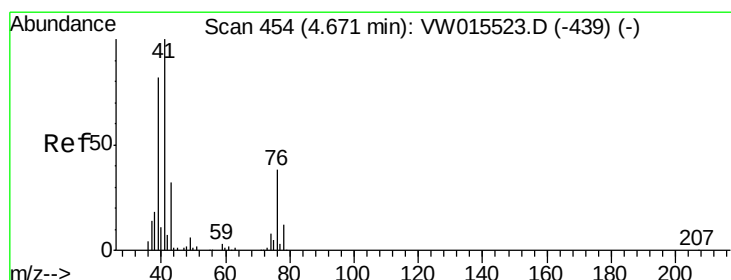
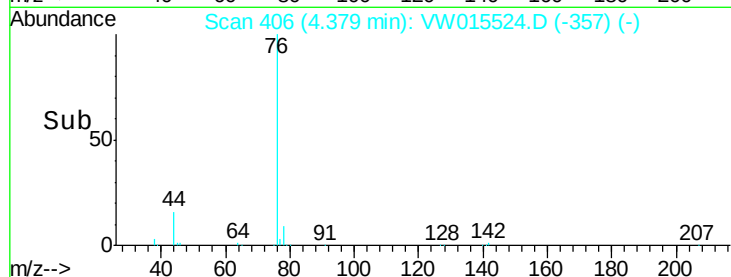
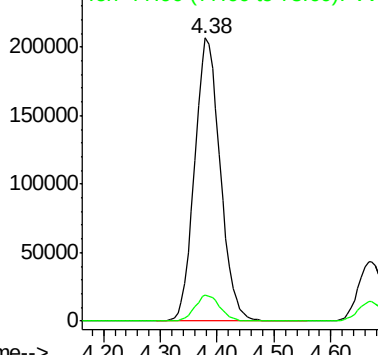
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 92.084 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion: 43 Resp: 97422

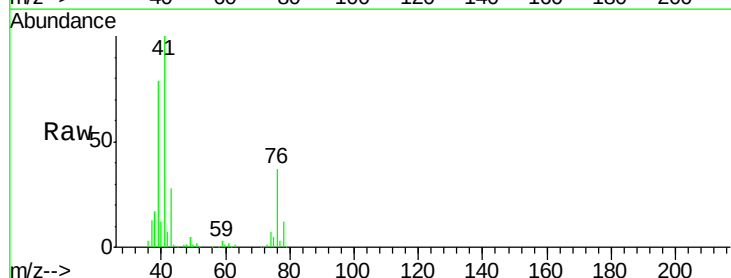
Ion Ratio Lower Upper

43 100

74 24.5

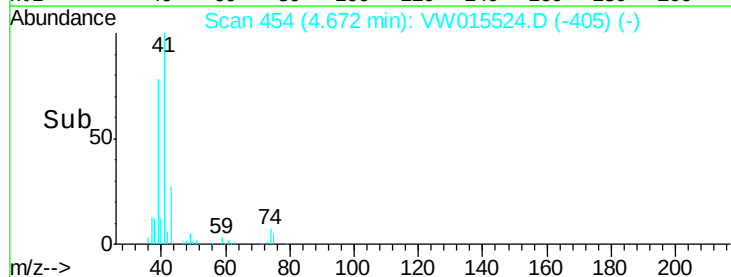
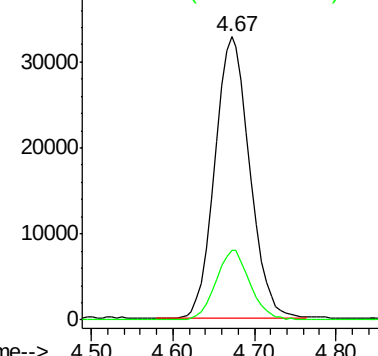
18.8

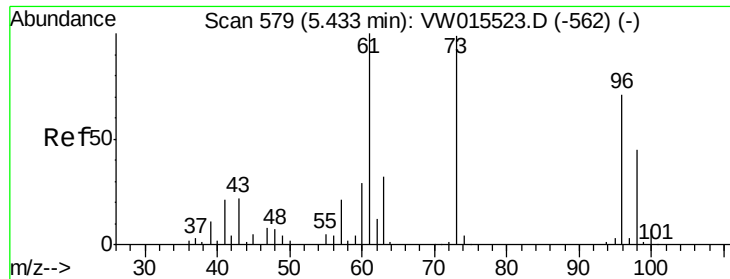
28.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





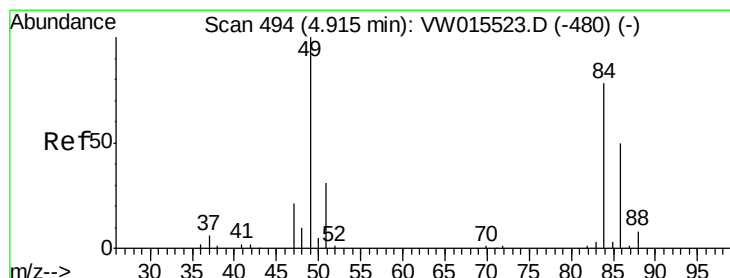
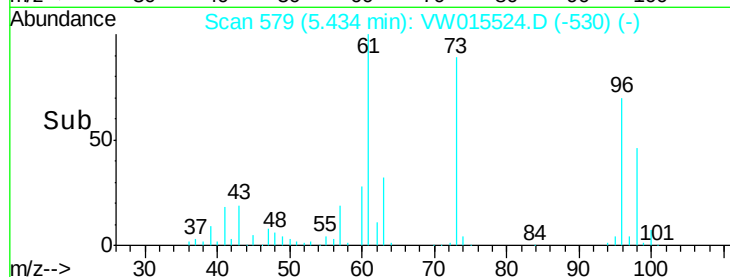
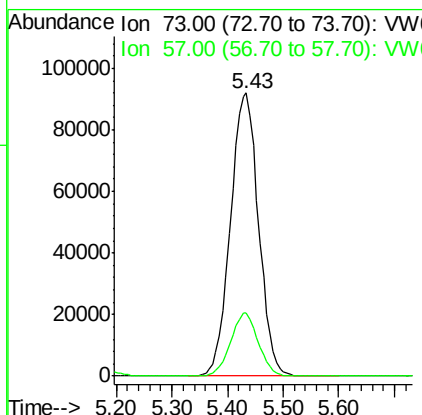
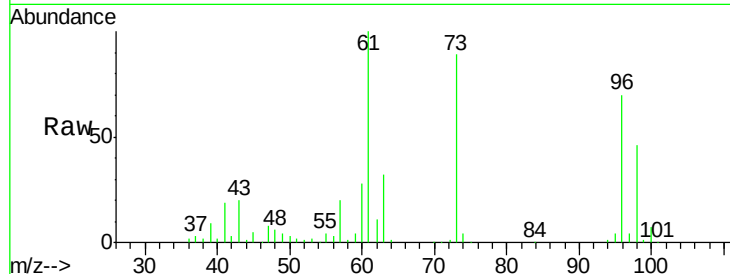
#19
Methyl tert-butyl Ether
Concen: 89.540 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.1	25.7

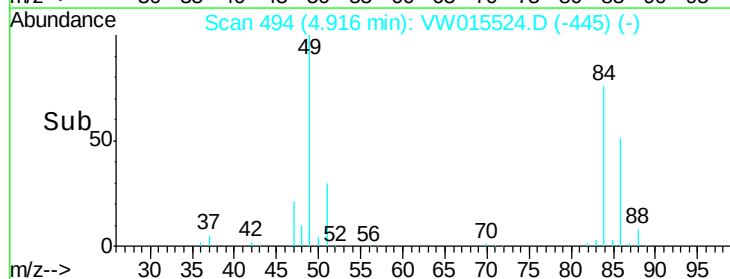
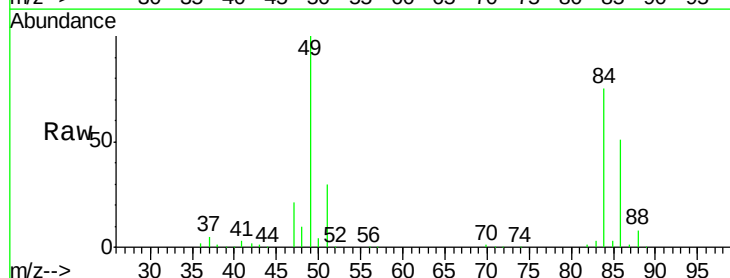
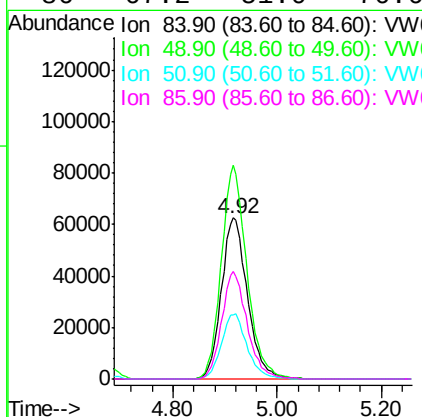
Manual Integrations
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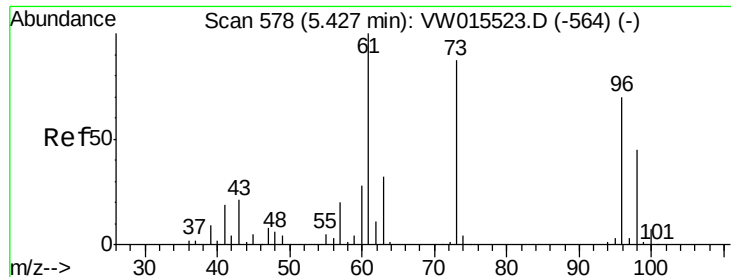
MMDadoda
6/2/2020 4:00:20 PM



#20
Methylene Chloride
Concen: 86.107 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.7	102.8	154.2
51	40.1	31.4	47.2
86	67.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 96.460 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 242192

Ion Ratio Lower Upper

96 100

61 141.5 114.3 171.5

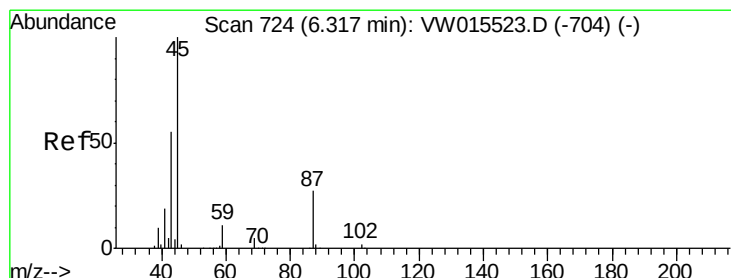
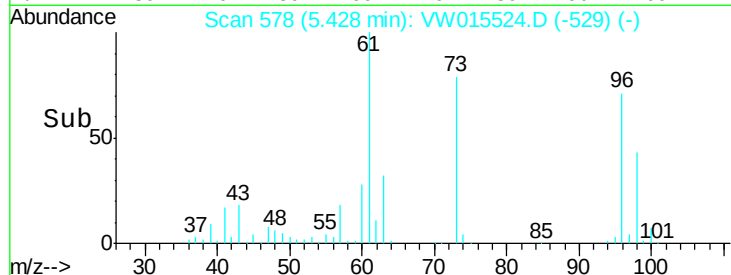
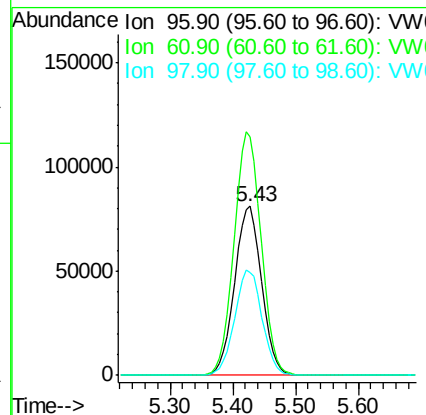
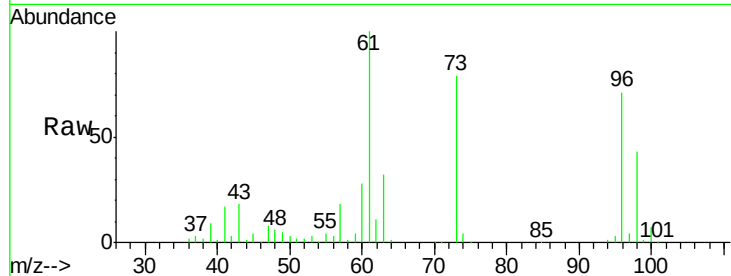
98 60.7 51.0 76.4

Manual Integrations

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MMDadoda

6/2/2020 4:00:20 PM



#22

Diisopropyl ether

Concen: 91.145 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion: 45 Resp: 687395

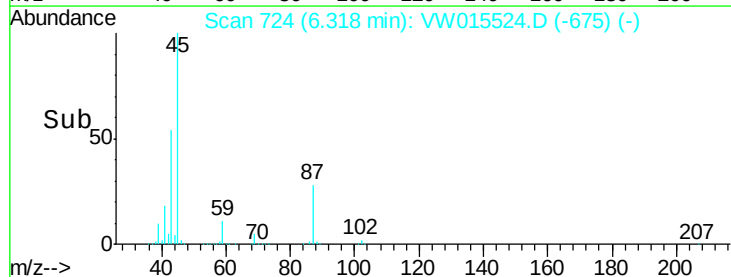
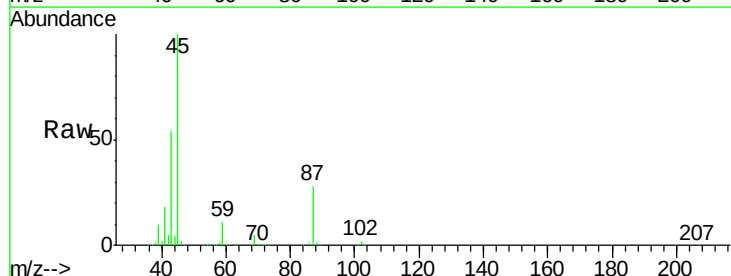
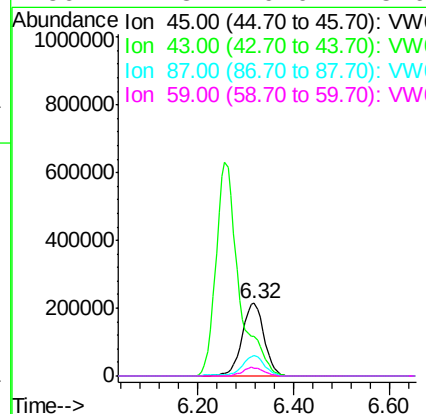
Ion Ratio Lower Upper

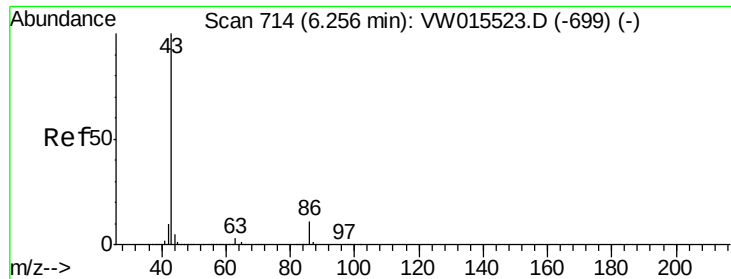
45 100

43 54.0 44.1 66.1

87 27.6 21.8 32.8

59 11.3 9.0 13.6





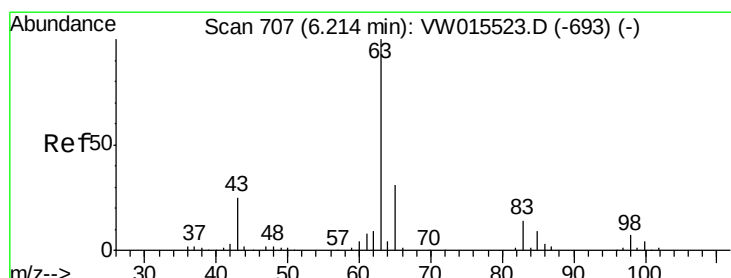
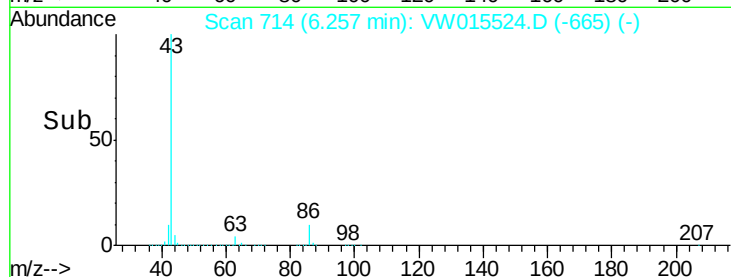
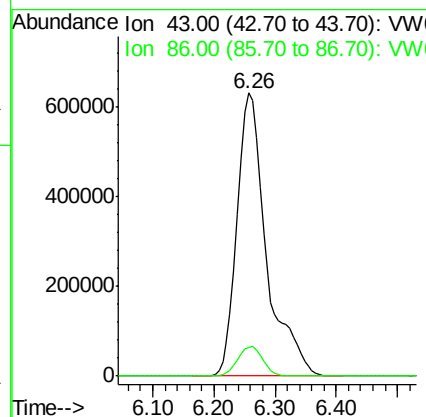
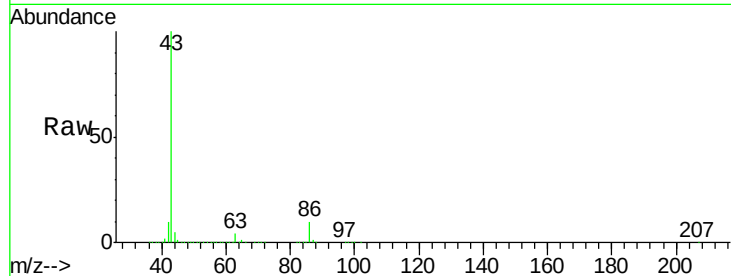
#23
 Vinyl Acetate
 Concen: 453.764 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2090794
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.6 12.8

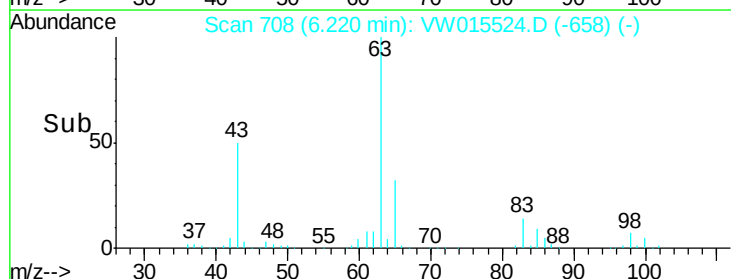
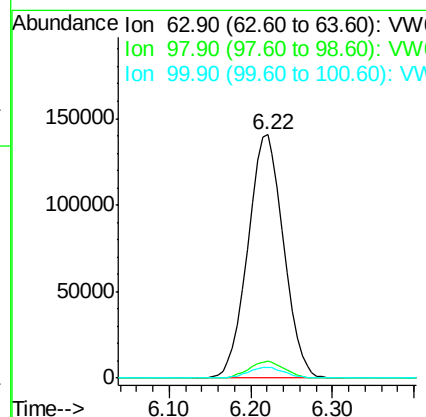
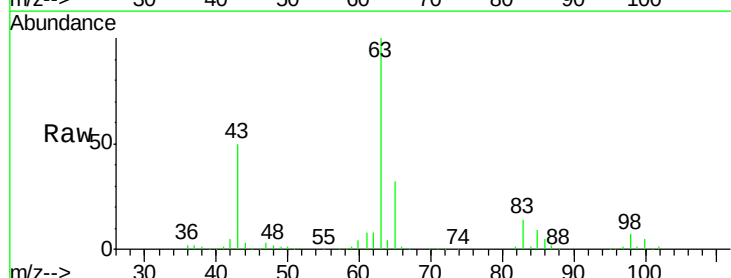
Manual Integrations
 APPROVED

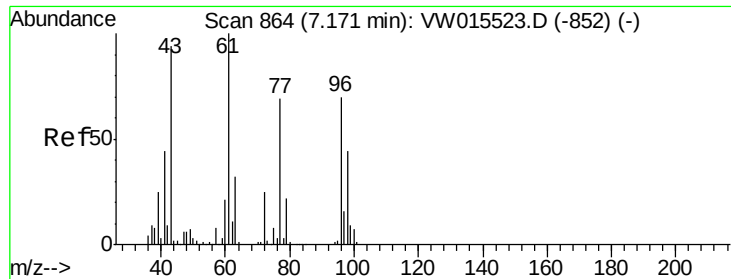
MMDadoda
 6/2/2020 4:00:20 PM



#24
 1,1-Dichloroethane
 Concen: 94.554 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion: 63 Resp: 428326
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 505.102 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 320437

Ion Ratio Lower Upper

43 100

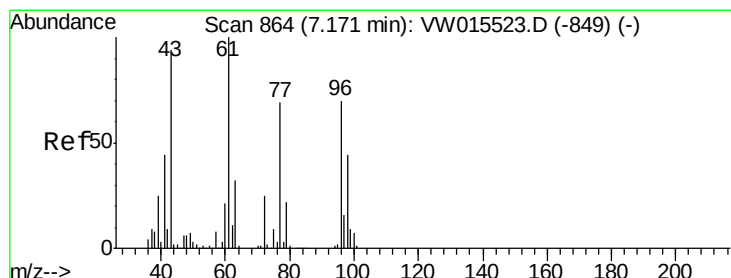
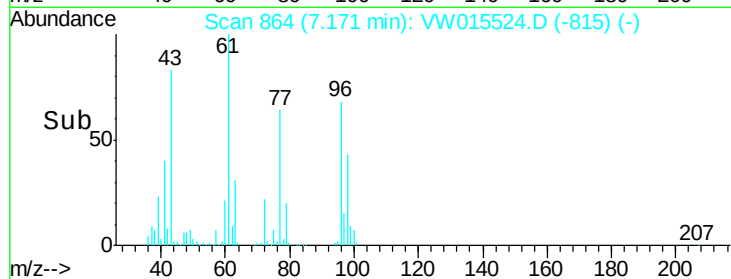
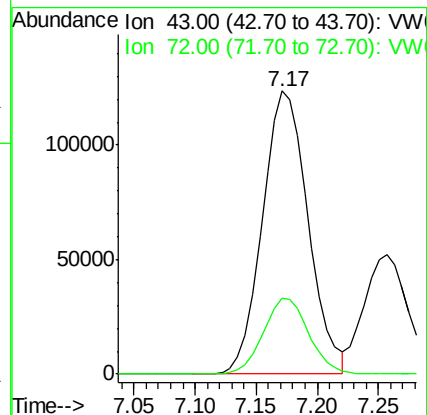
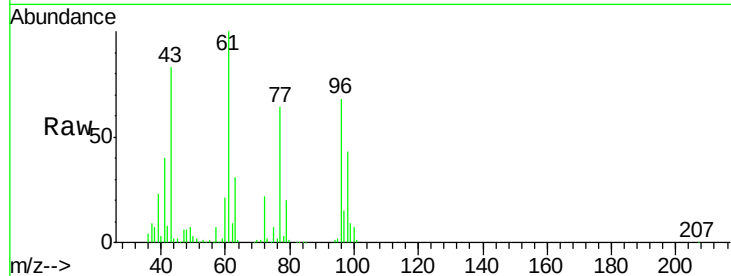
72 26.9 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

6/2/2020 4:00:20 PM



#26

2,2-Dichloropropane

Concen: 93.869 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015524.D

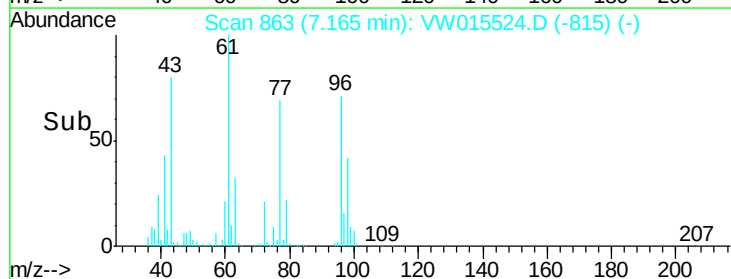
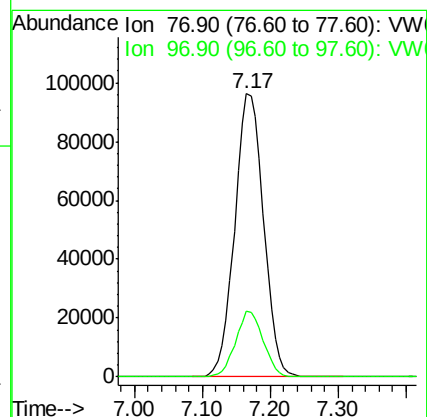
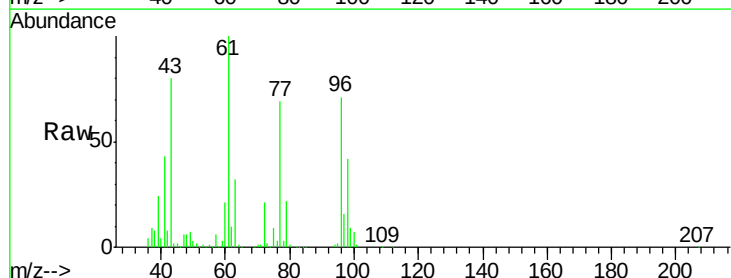
Acq: 02 Jun 2020 13:00

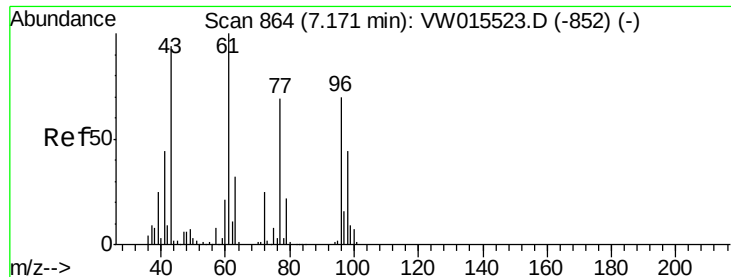
Tgt Ion: 77 Resp: 282860

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

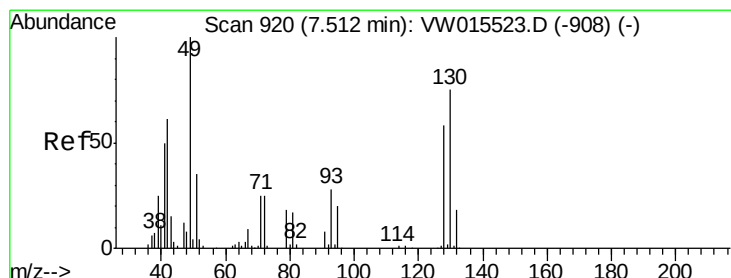
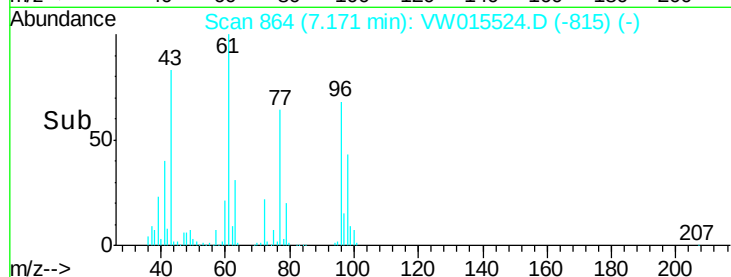
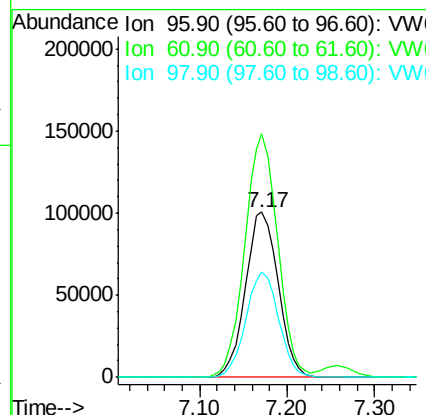
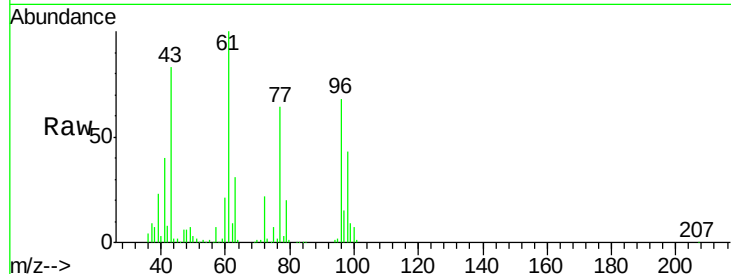
cis-1,2-Dichloroethene
Concen: 96.004 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	262513		
61	147.6	0.0	293.0	
98	63.9	0.0	127.2	

Manual Integrations
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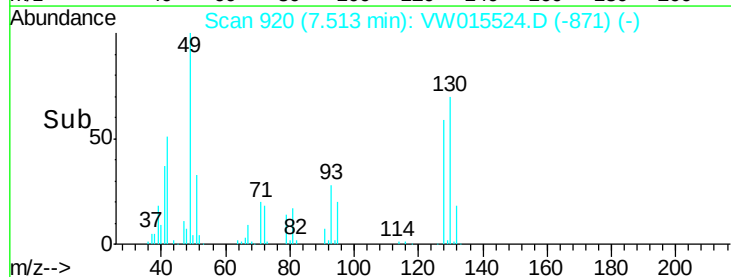
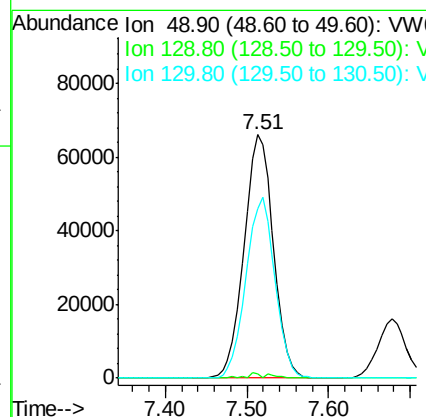
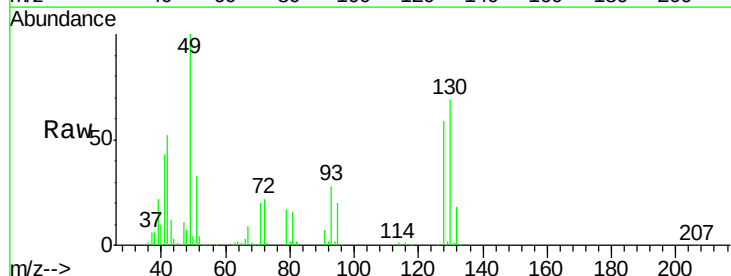
MMDadoda
6/2/2020 4:00:20 PM

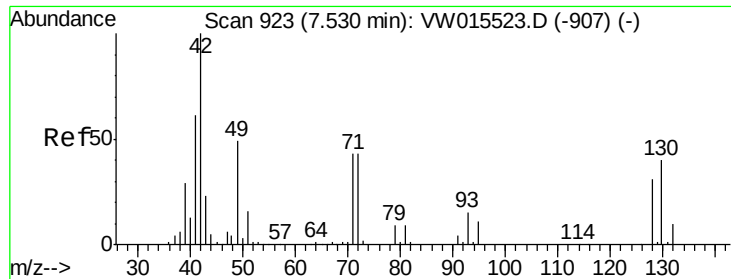


#28

Bromochloromethane
Concen: 91.252 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	164146		
129	0.7	0.0	2.0	
130	74.0	59.7	89.5	





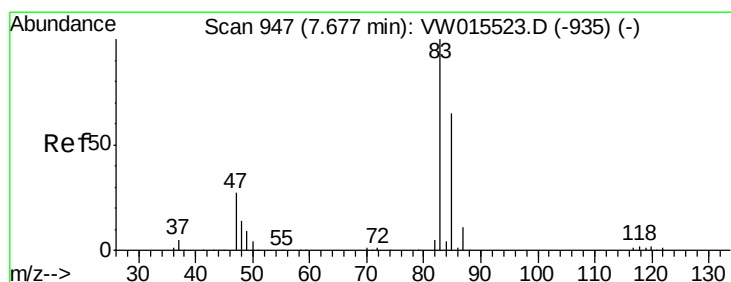
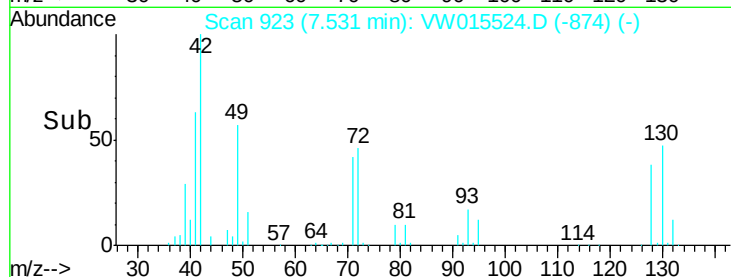
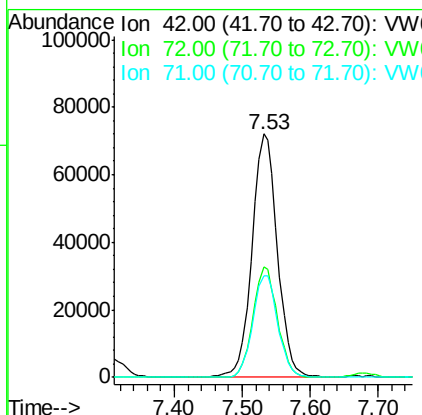
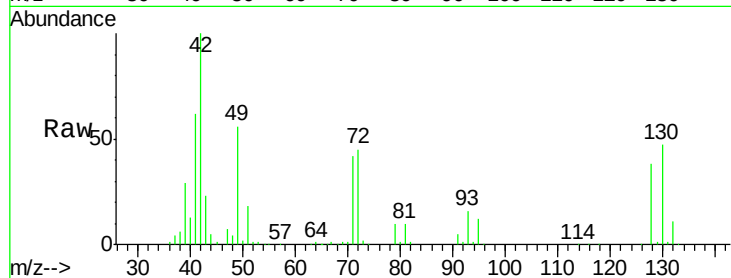
#29
Tetrahydrofuran
Concen: 463.493 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.8	52.2
71	41.3	33.3	49.9

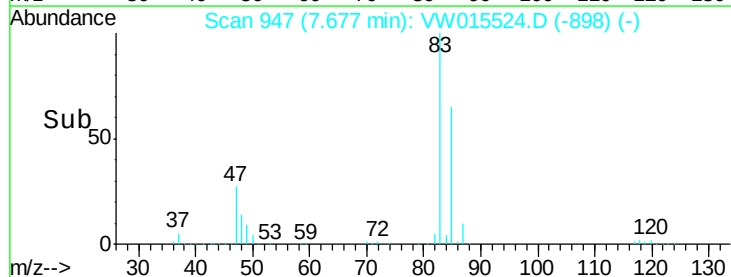
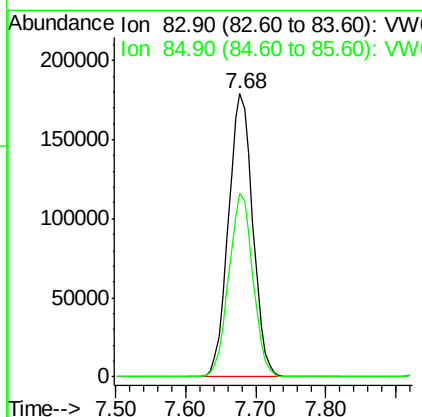
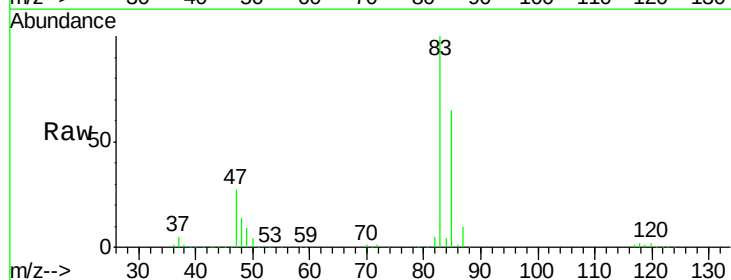
Manual Integrations
APPROVED

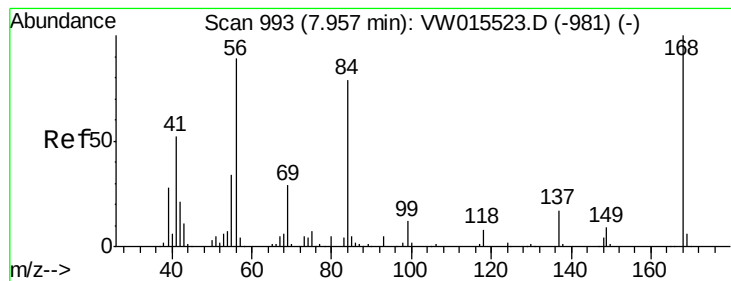
MMDadoda
6/2/2020 4:00:20 PM



#30
Chloroform
Concen: 95.784 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4





#31

Cyclohexane

Concen: 85.751 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

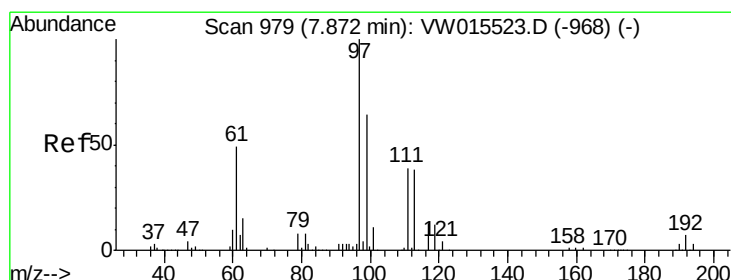
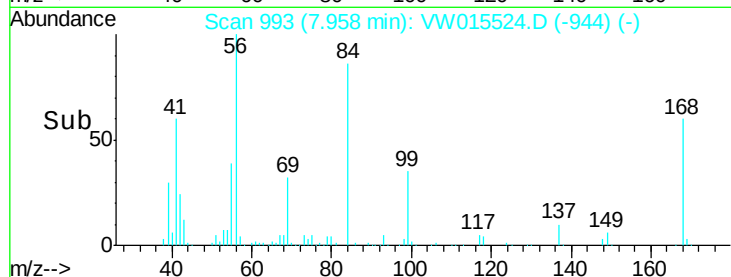
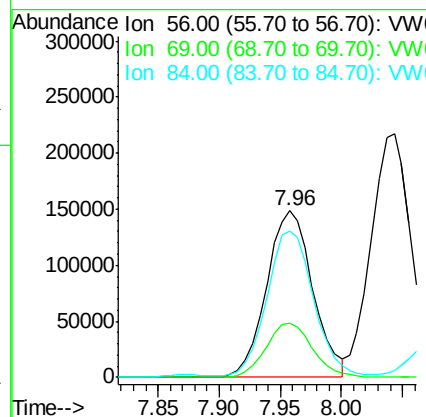
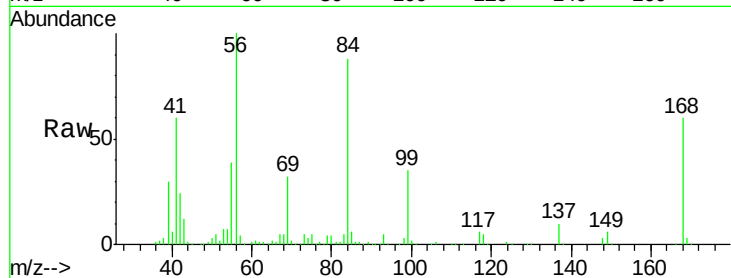
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	389968
Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.3	39.5
84	86.6	71.0	106.4

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 98.652 ug/l

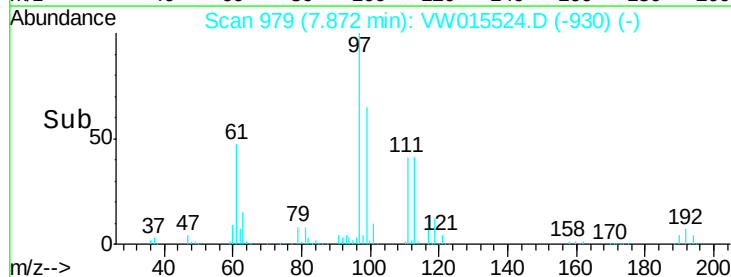
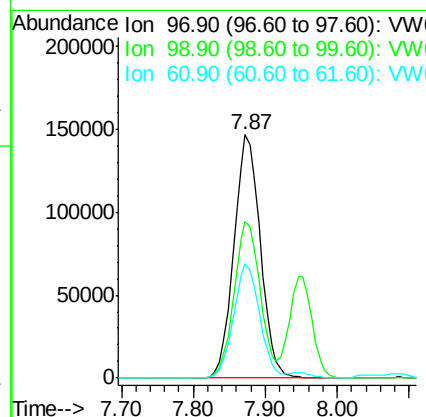
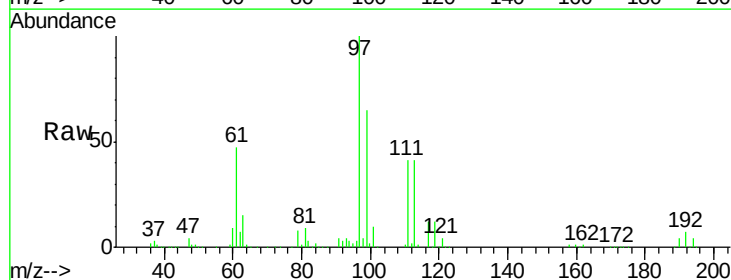
RT: 7.87 min Scan# 979

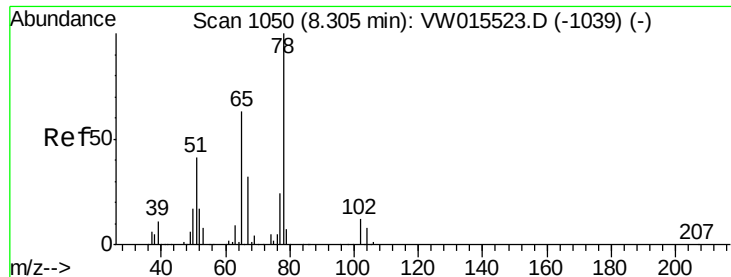
Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion:	97	Resp:	373703
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	46.5	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 97.604 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 242509

Ion Ratio Lower Upper

65 100

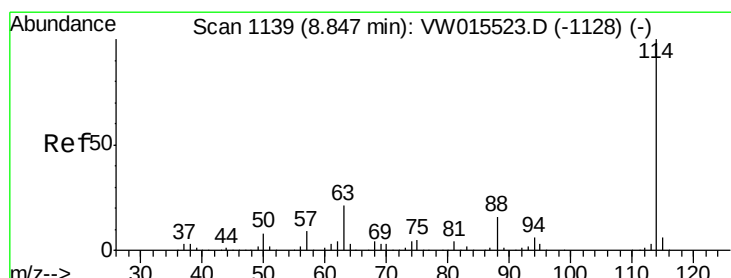
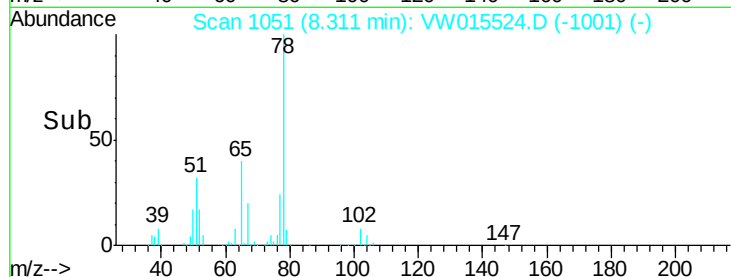
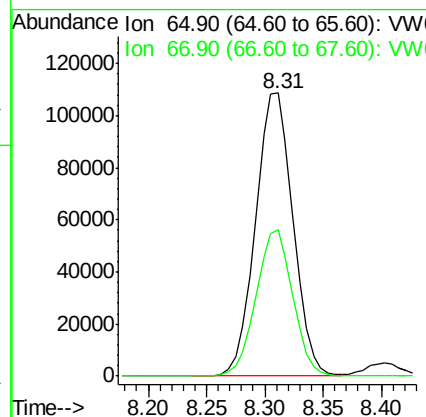
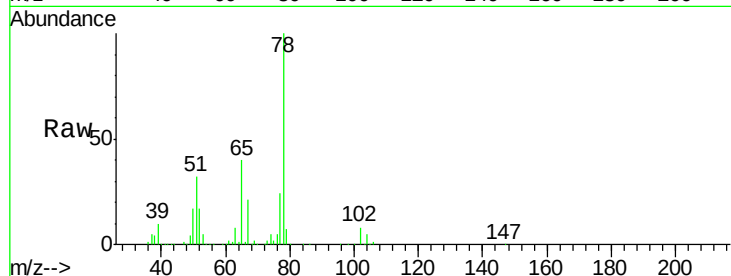
67 50.5 0.0 100.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

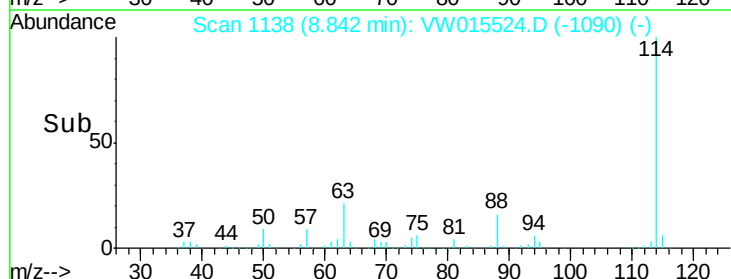
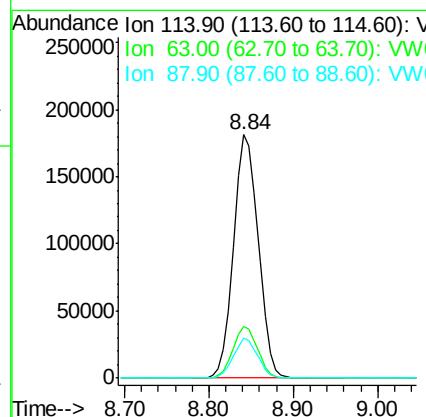
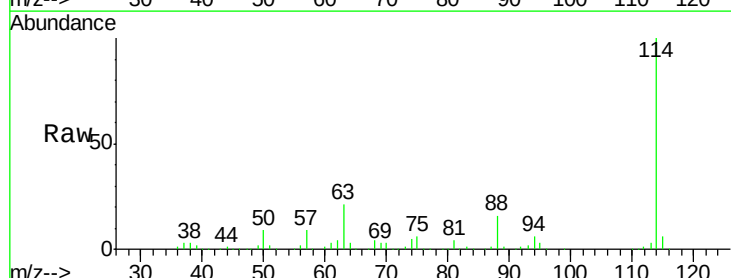
Tgt Ion: 114 Resp: 359823

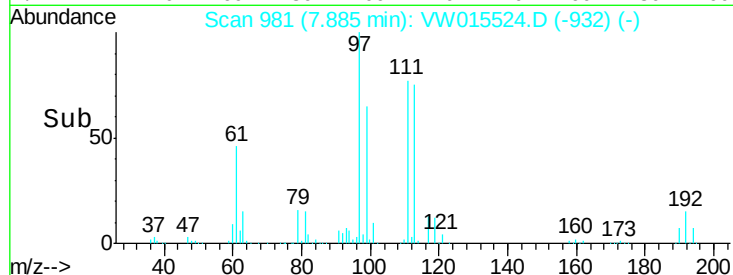
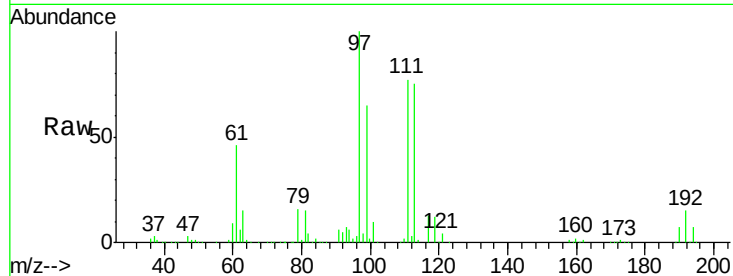
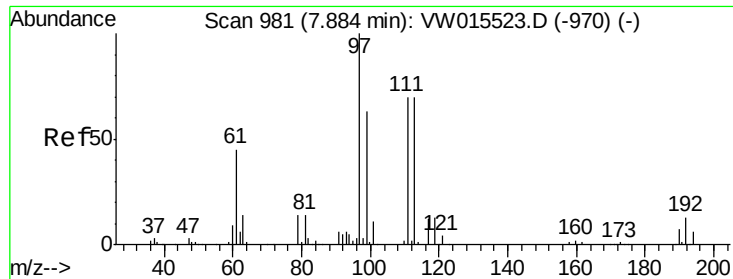
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.0

88 16.3 0.0 31.8





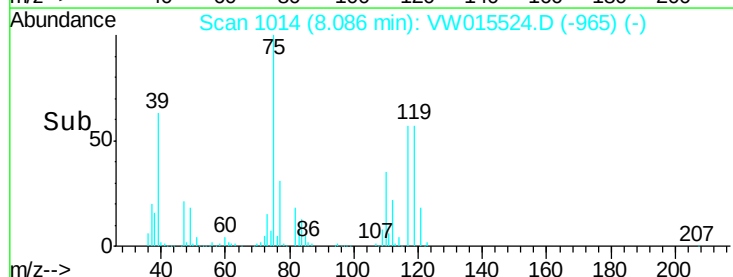
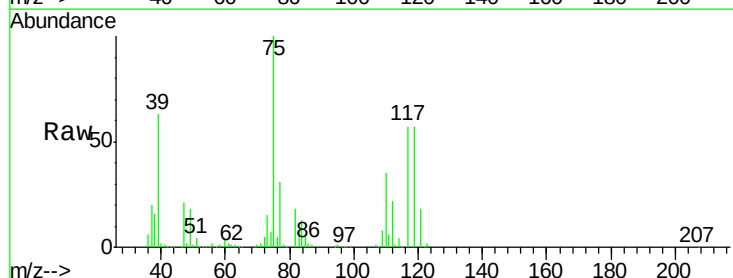
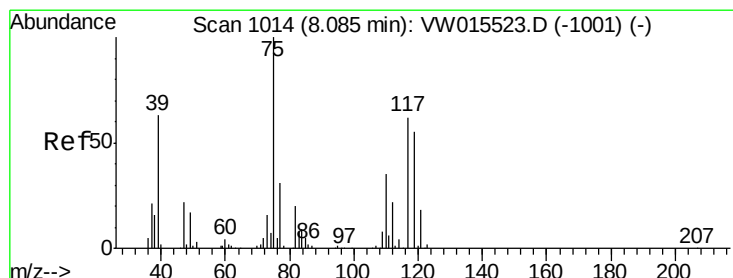
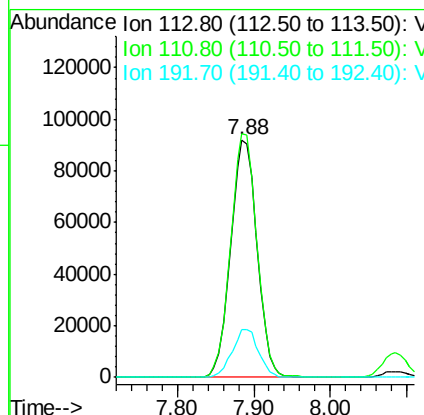
#35
Dibromofluoromethane
Concen: 105.564 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tot Ion	Ratio	Resp	Lower	Upper
113	100	218805		
111	102.4	83.3	124.9	
192	20.2	15.8	23.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

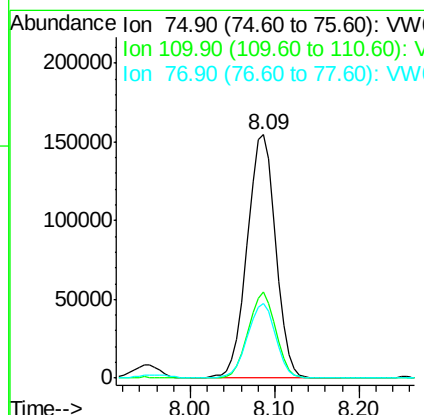
Manual Integrations
APPROVED

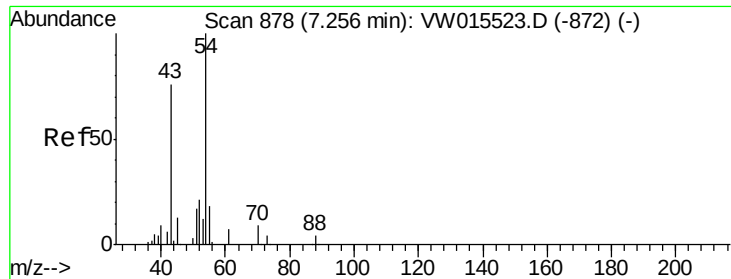
MMDadoda
6/2/2020 4:00:20 PM



#36
1,1-Dichloropropene
Concen: 99.091 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	353859		
110	34.1	17.2	51.6	
77	30.7	25.0	37.4	





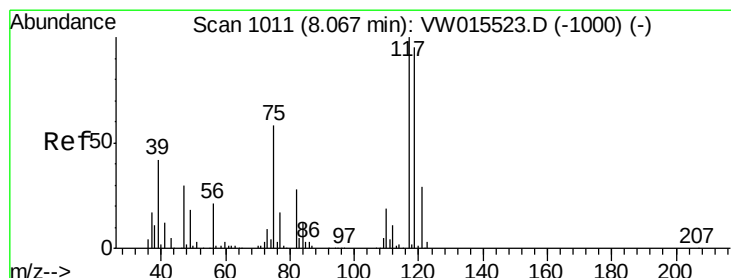
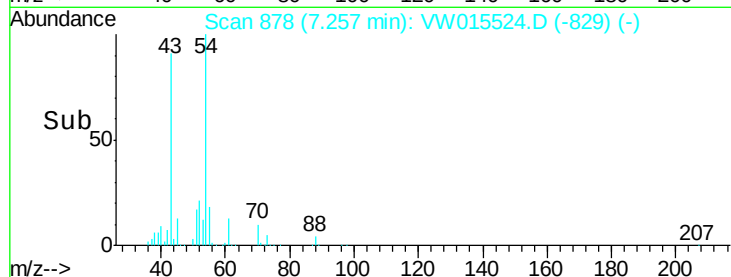
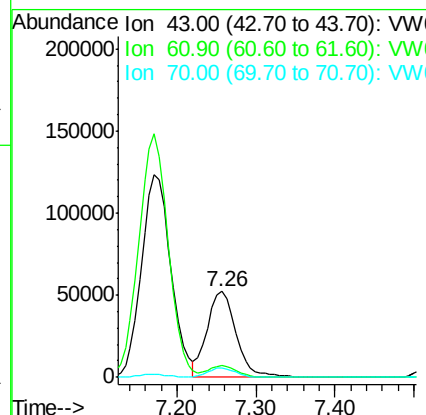
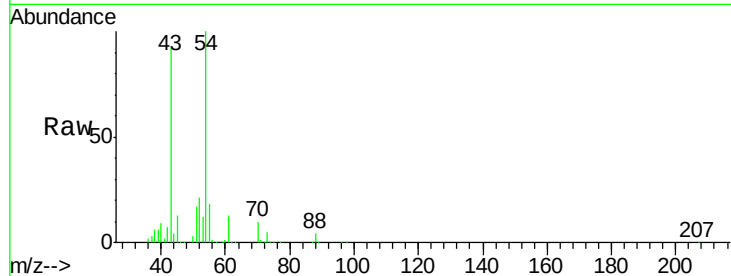
#37
Ethyl Acetate
Concen: 94.942 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	10.7	8.4	12.6

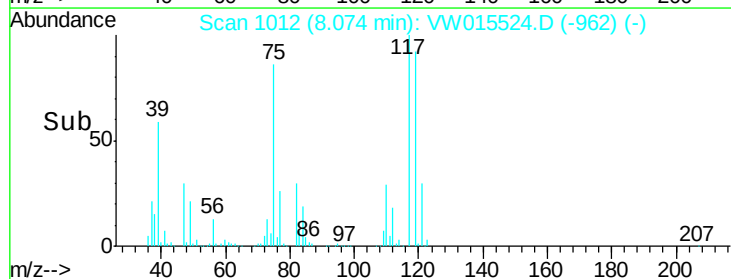
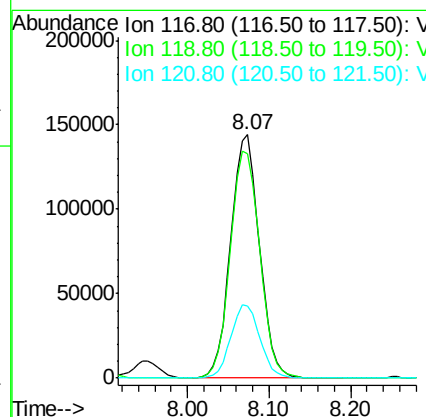
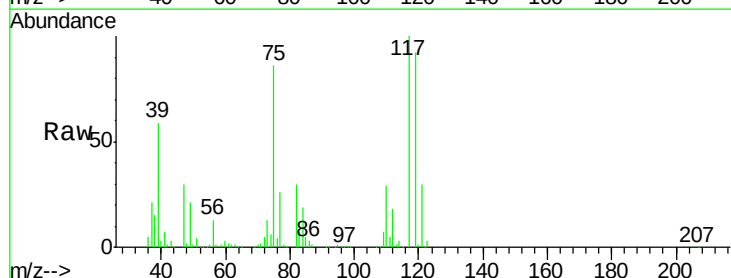
Manual Integrations
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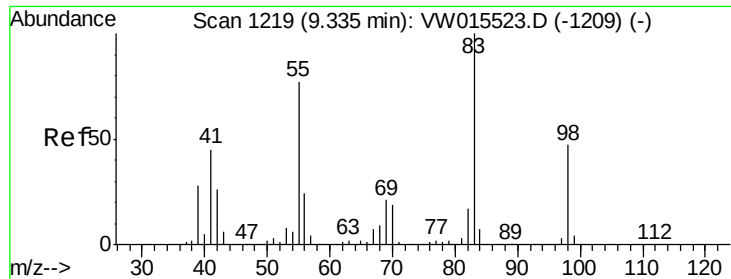
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#38
Carbon Tetrachloride
Concen: 103.512 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.9	113.9
121	29.7	23.5	35.3





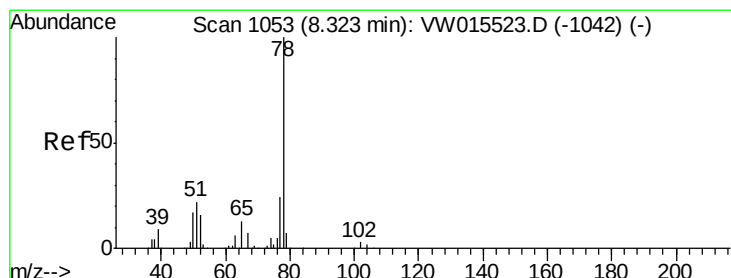
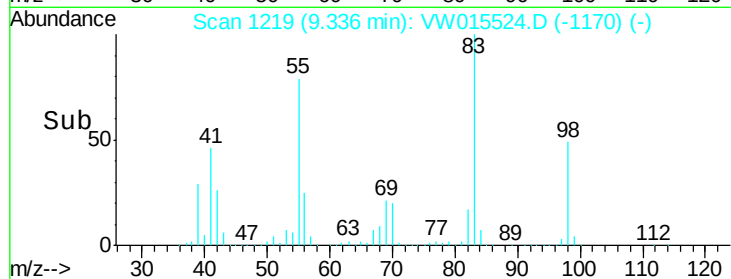
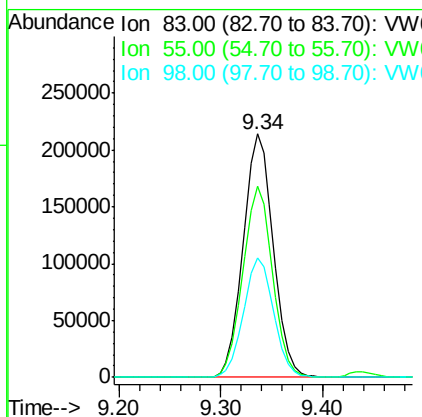
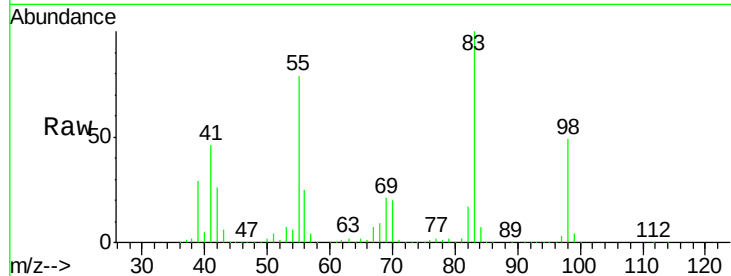
#39
Methylvlcyclohexane
Concen: 97.027 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	83	Resp	438774
Ion Ratio	100	Lower	Upper
83	100		
55	78.6	61.7	92.5
98	48.9	37.7	56.5

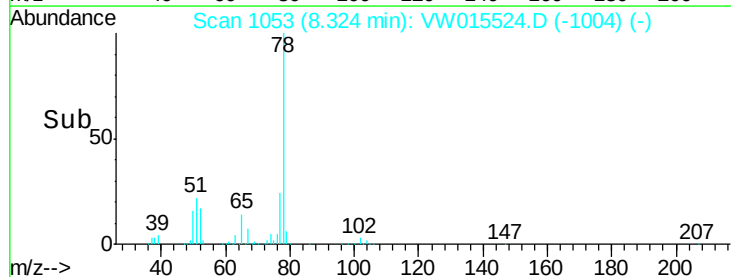
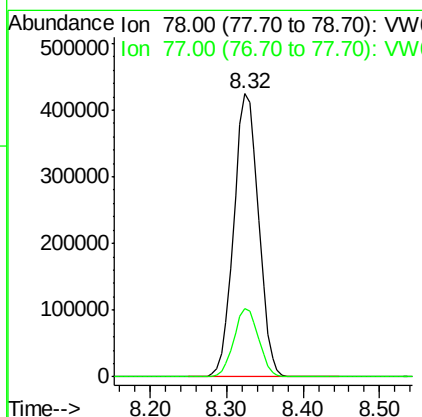
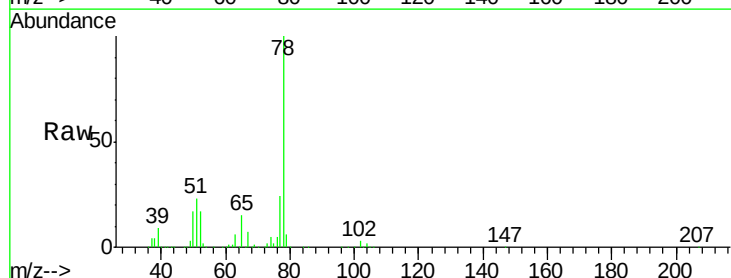
Manual Integrations
APPROVED

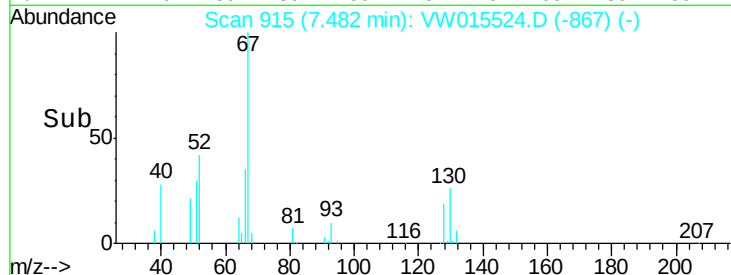
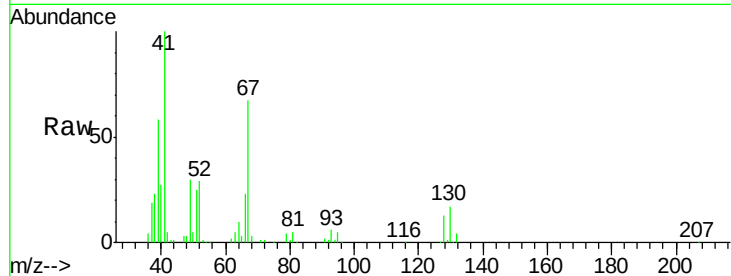
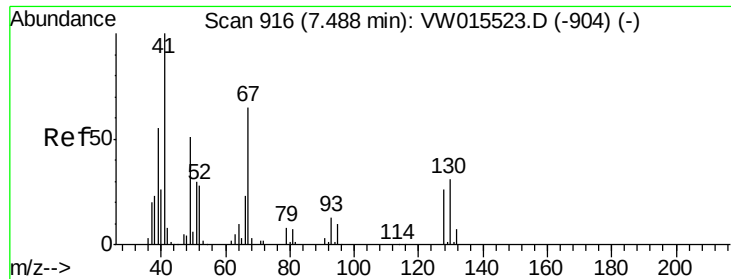
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#40
Benzene
Concen: 97.322 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	78	Resp	951787
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.2	28.8





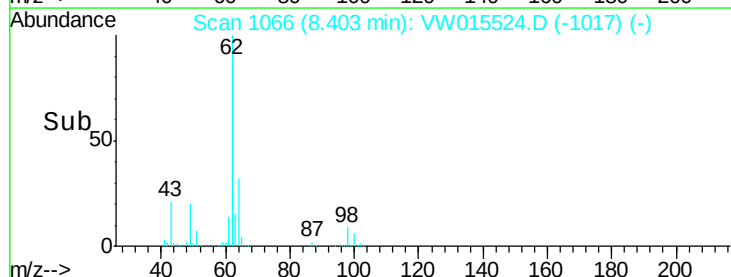
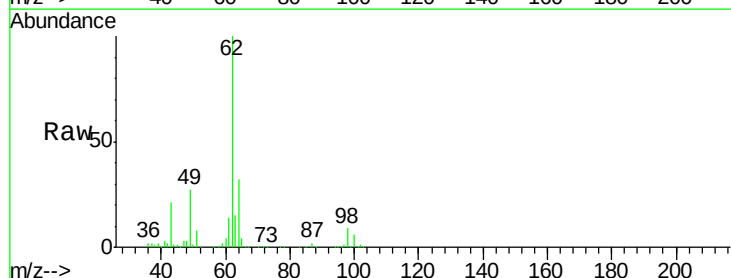
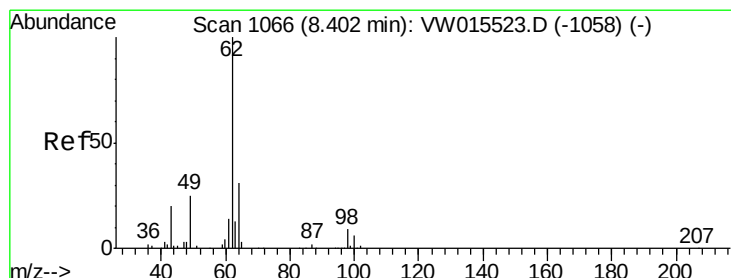
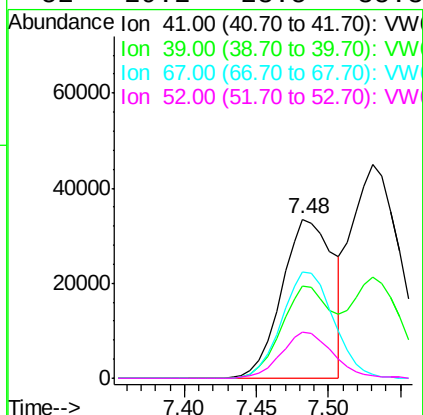
#41
Methacrylonitrile
Concen: 93.009 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tot Ion	41	Resp	83418
Ion Ratio	Lower	Upper	
41	100		
39	56.9	44.5	66.7
67	67.3	53.1	79.7
52	29.2	23.5	35.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

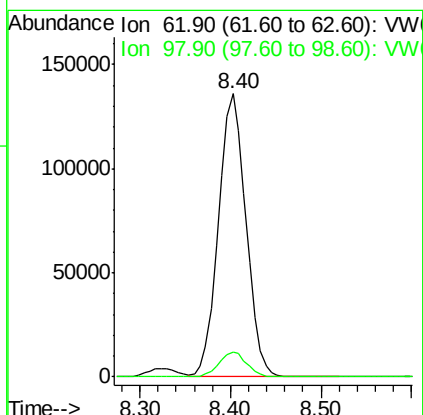
Manual Integrations
APPROVED

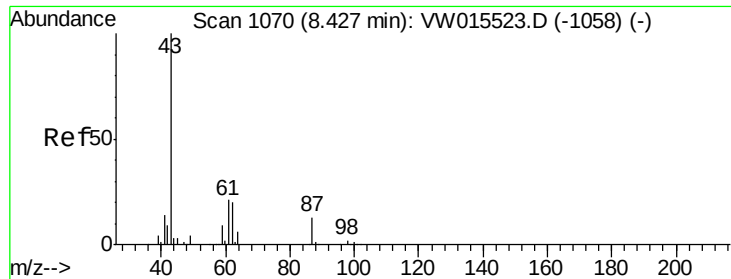
MMDadoda
6/2/2020 4:00:20 PM



#42
1,2-Dichloroethane
Concen: 96.081 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	62	Resp	287862
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 92.859 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

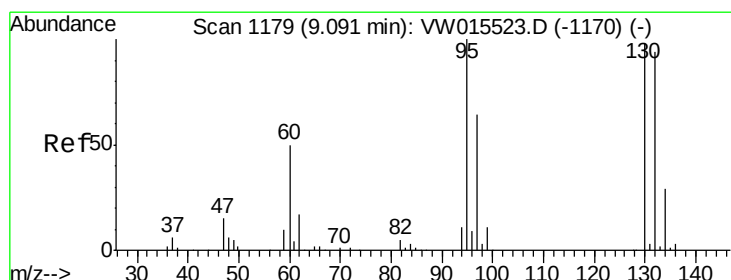
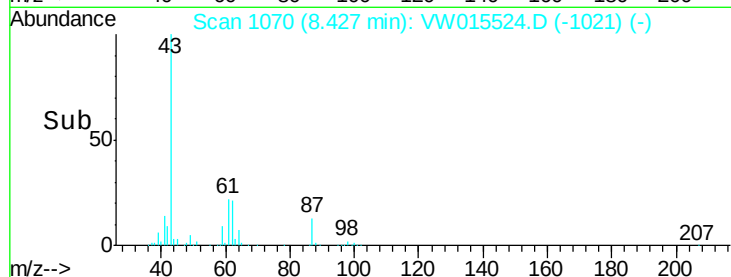
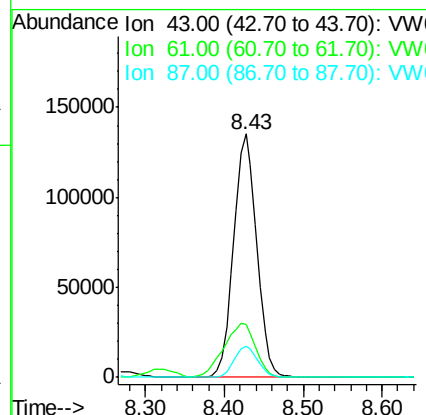
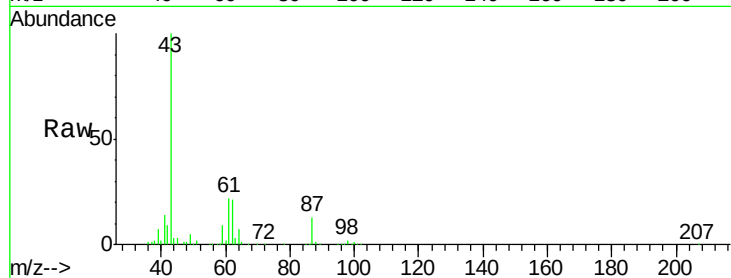
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	274839
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.8	35.8
87	13.0	10.1	15.1

Manual Integrations
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MMDadoda
6/2/2020 4:00:20 PM



#44

Trichloroethene

Concen: 101.513 ug/l

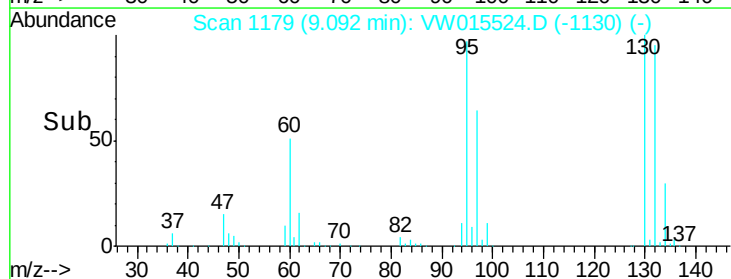
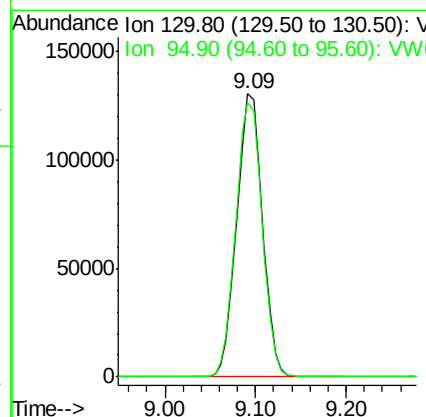
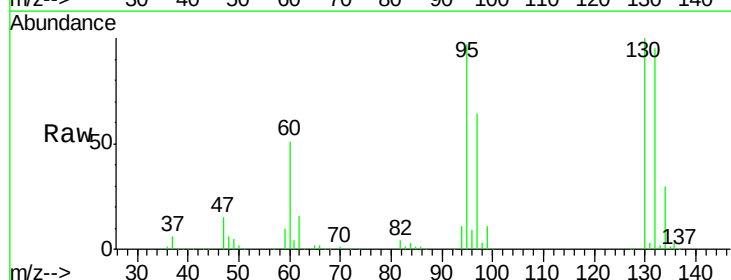
RT: 9.09 min Scan# 1179

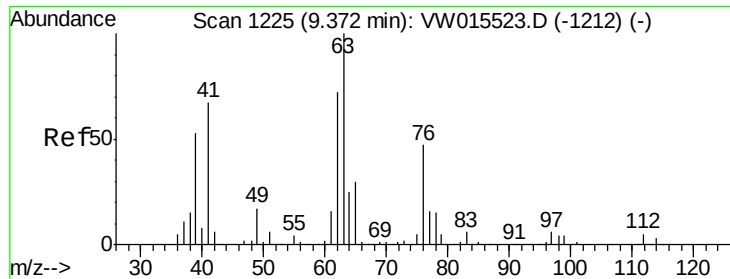
Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion:	130	Resp:	257693
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	204.0





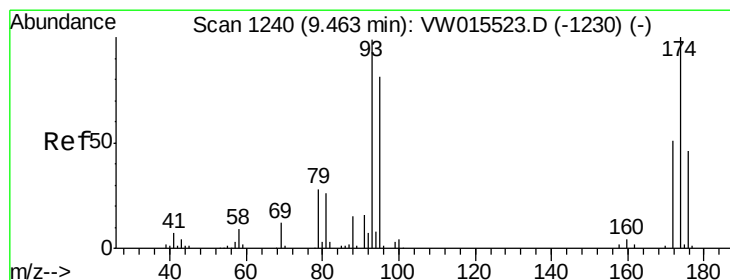
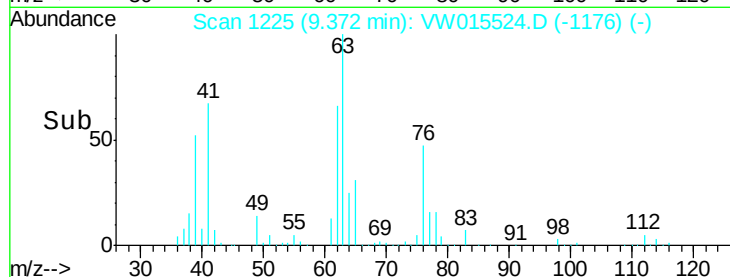
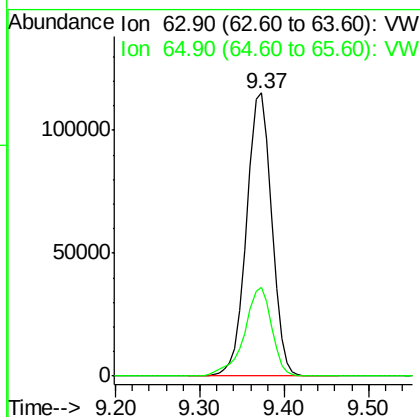
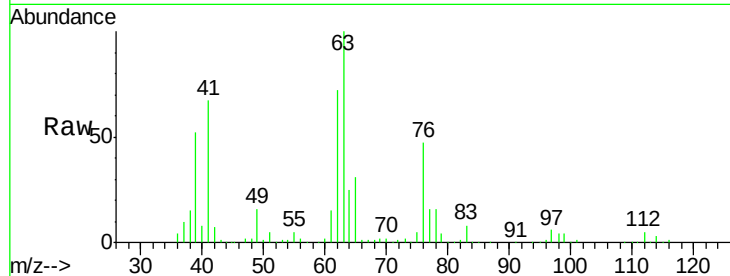
#45
 1,2-Dichloropropane
 Concen: 95.858 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.0	36.0

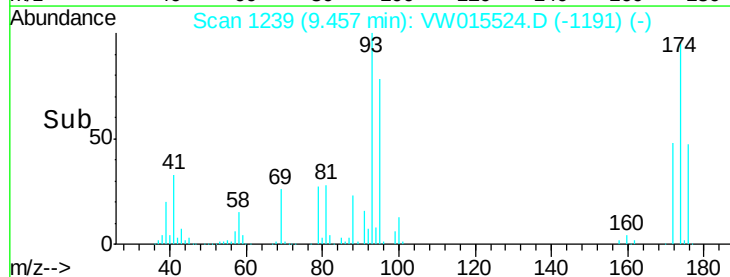
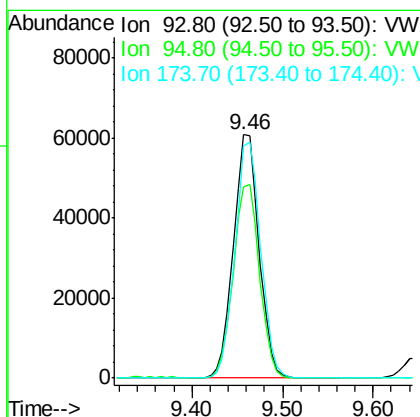
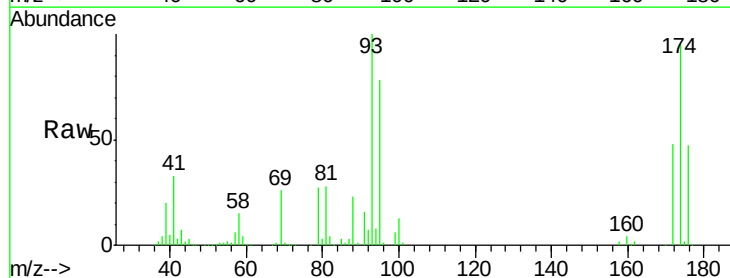
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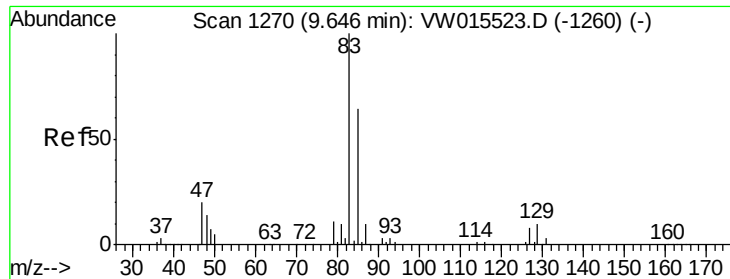
MMDadoda
 6/2/2020 4:00:20 PM



#46
 Dibromomethane
 Concen: 98.016 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.1	97.7
174	97.5	78.6	118.0





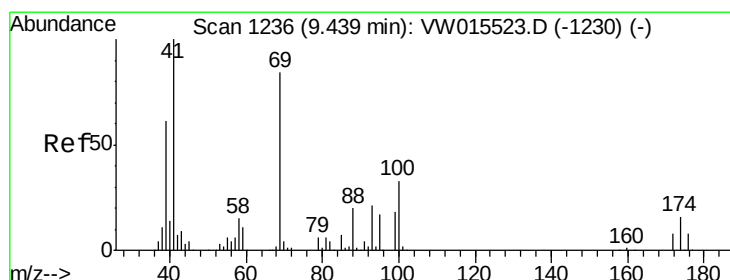
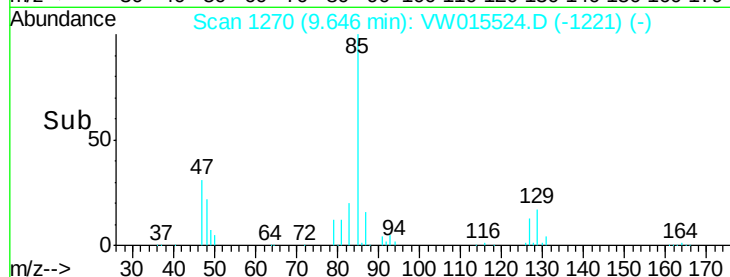
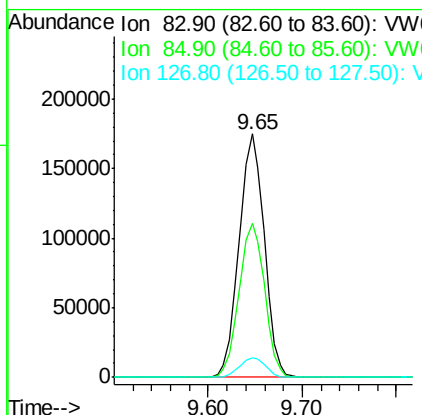
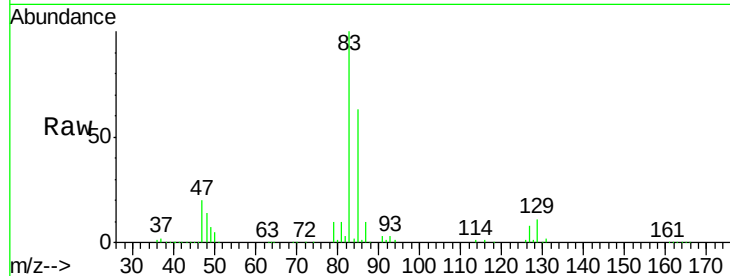
#47
Bromodichloromethane
Concen: 99.404 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	326837
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	8.0	6.4	9.6

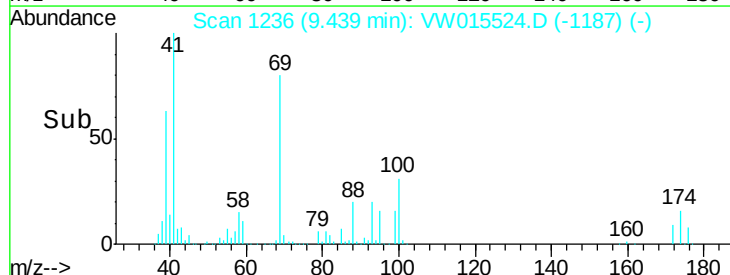
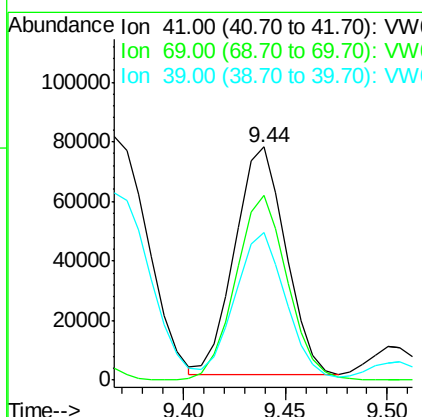
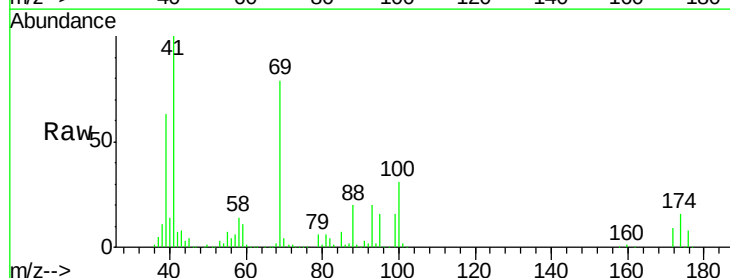
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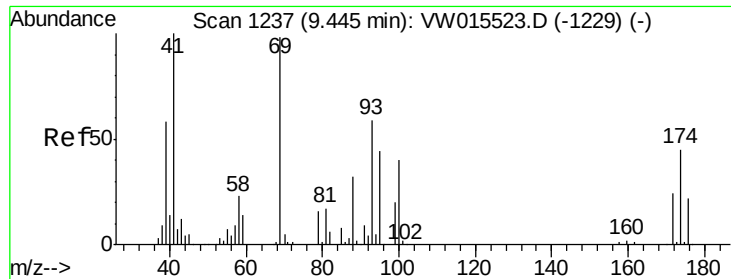
MMDadoda
6/2/2020 4:00:20 PM



#48
Methyl methacrylate
Concen: 97.396 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	41	Resp	132554
Ion Ratio	100	Lower	Upper
41	100		
69	82.4	67.8	101.8
39	62.2	50.2	75.2





#49

1,4-Dioxane

Concen: 2374.824 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

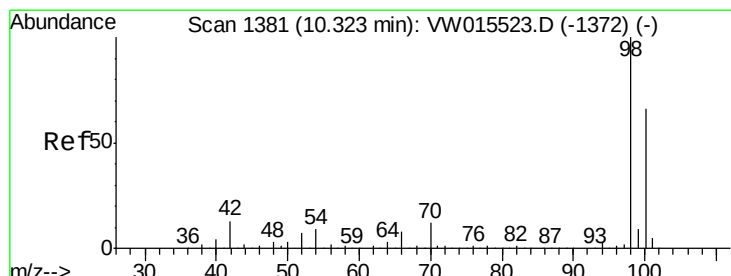
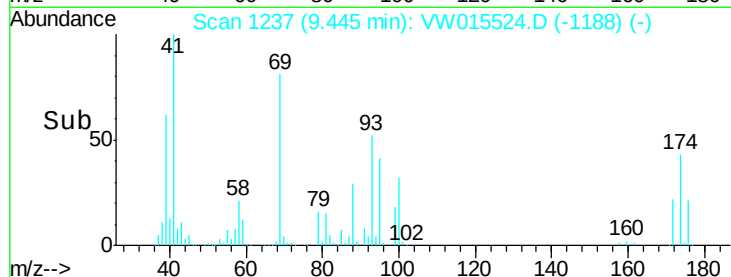
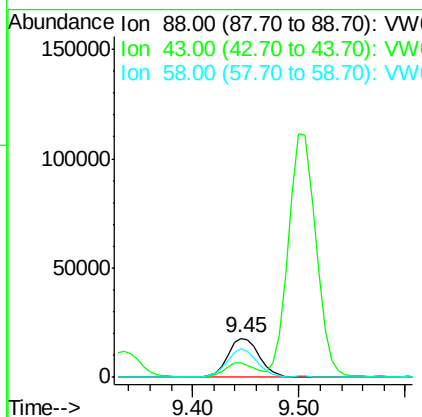
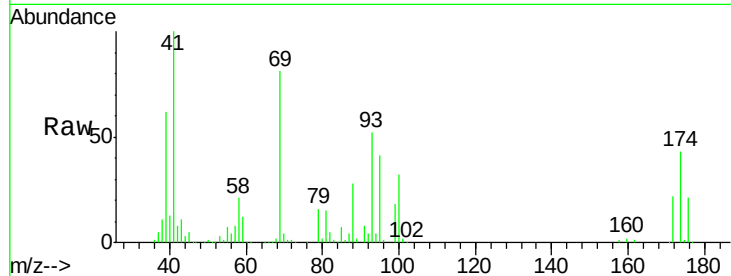
ClientSampled :

VSTDIC100

Tot Ion:	88	Resp:	37412
Ion	Ratio	Lower	Upper
88	100		
43	36.9	27.9	41.9
58	69.7	58.8	88.2

Manual Integrations
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6/2/2020 4:00:20 PM



#50

Toluene-d8

Concen: 105.292 ug/l

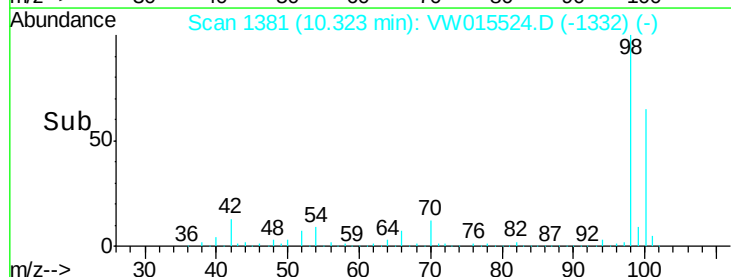
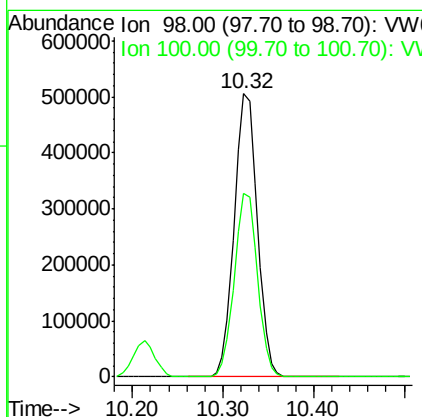
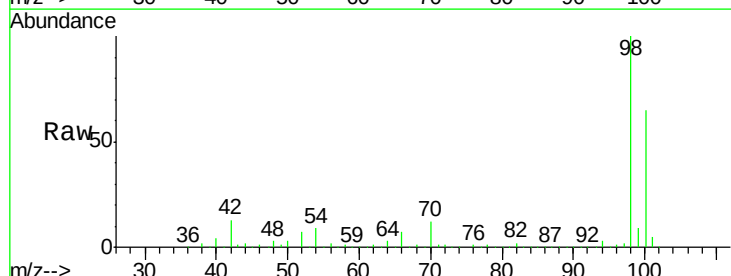
RT: 10.32 min Scan# 1381

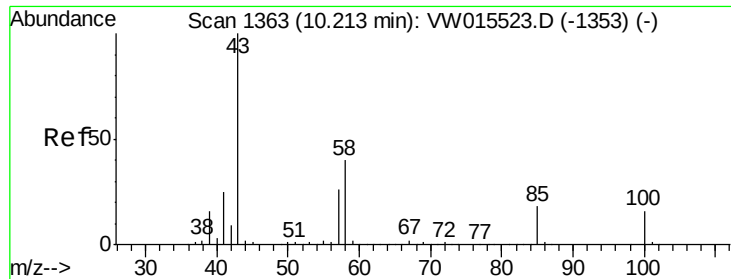
Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion:	98	Resp:	896120
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	78.8





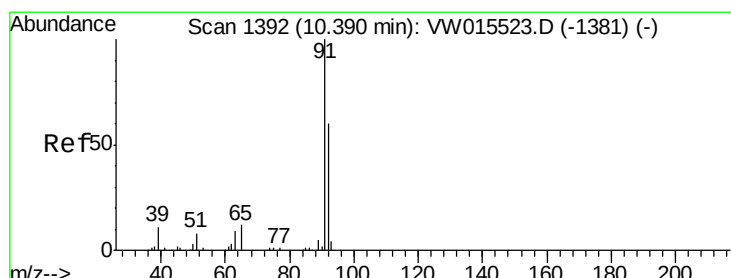
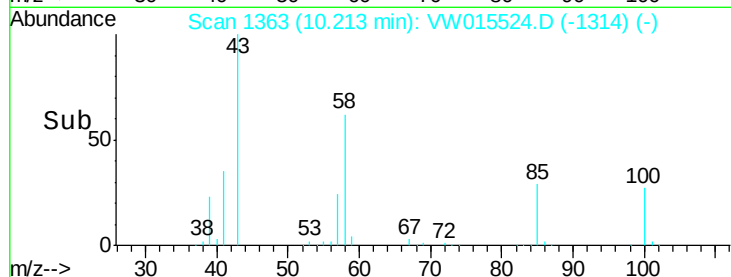
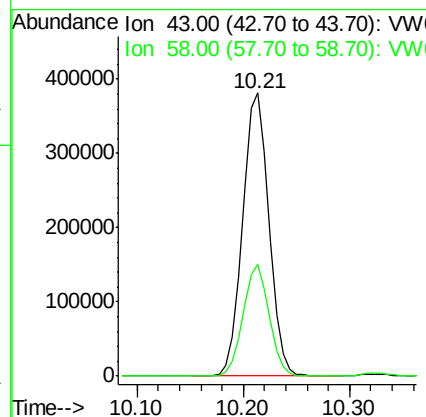
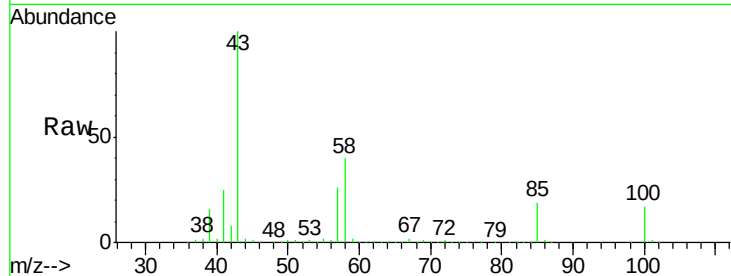
#51
4-Methyl-2-Pentanone
Concen: 476.895 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 662367
Ion Ratio Lower Upper
43 100
58 39.0 31.4 47.0

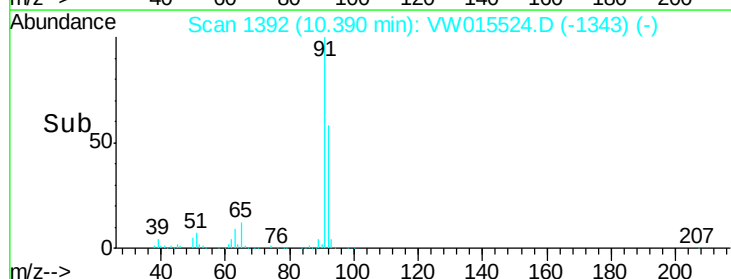
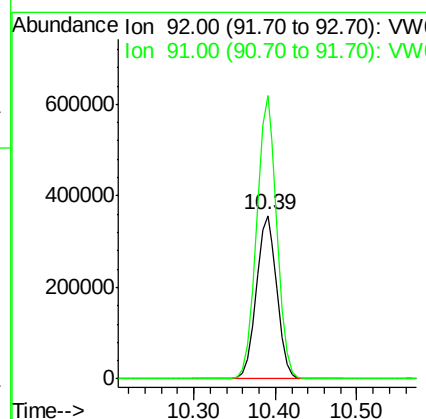
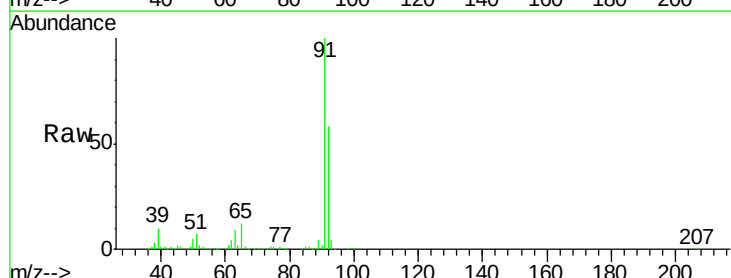
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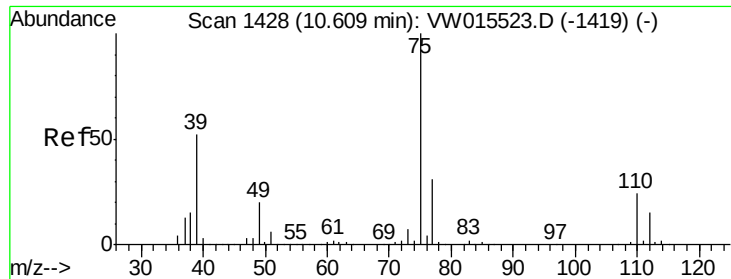
MMDadoda
6/2/2020 4:00:20 PM



#52
Toluene
Concen: 99.025 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 92 Resp: 627926
Ion Ratio Lower Upper
92 100
91 170.6 136.5 204.7





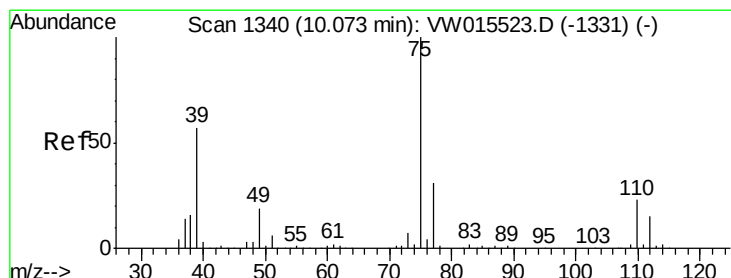
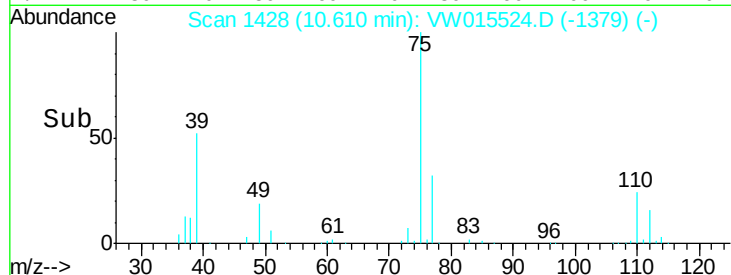
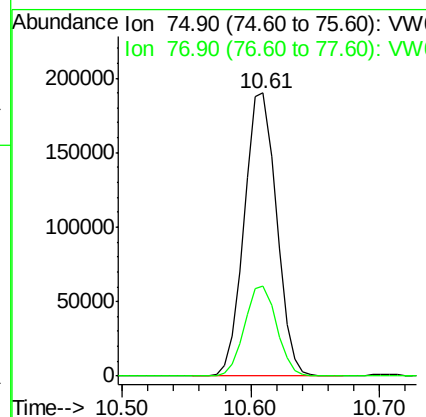
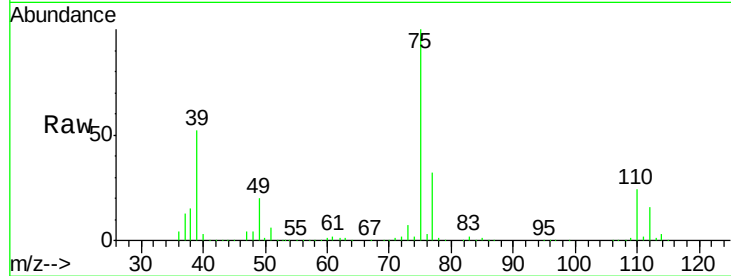
#53
t-1,3-Dichloropropene
Concen: 98.107 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 329487
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.4

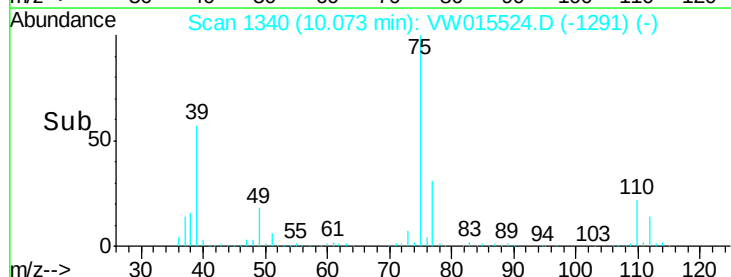
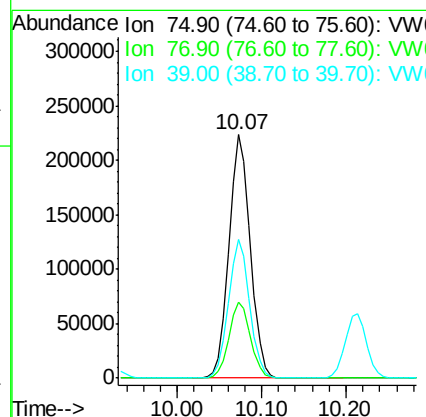
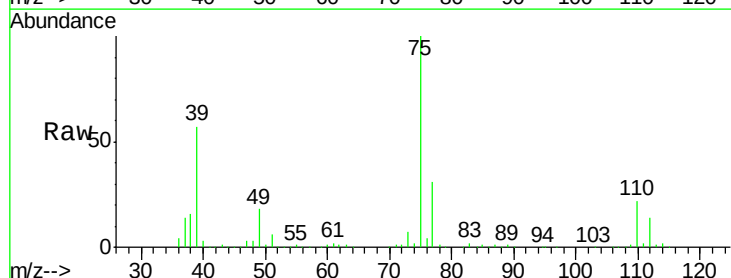
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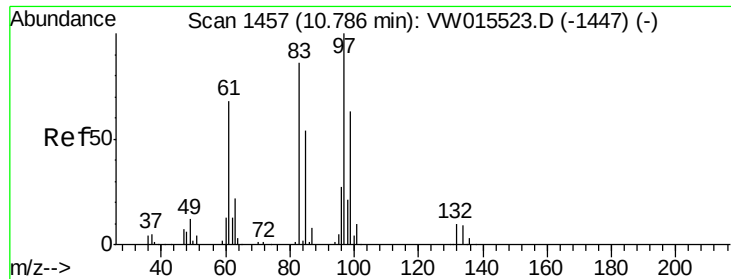
MMDadoda
6/2/2020 4:00:20 PM



#54
cis-1,3-Dichloropropene
Concen: 98.316 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 75 Resp: 386755
Ion Ratio Lower Upper
75 100
77 31.2 24.9 37.3
39 56.8 45.4 68.2





#55

1,1,2-Trichloroethane

Concen: 96.869 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

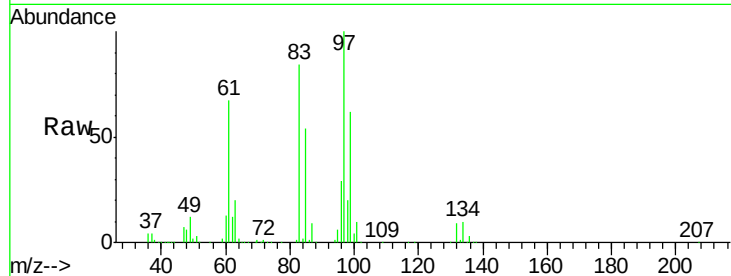
ClientSampleId :

VSTDIC100

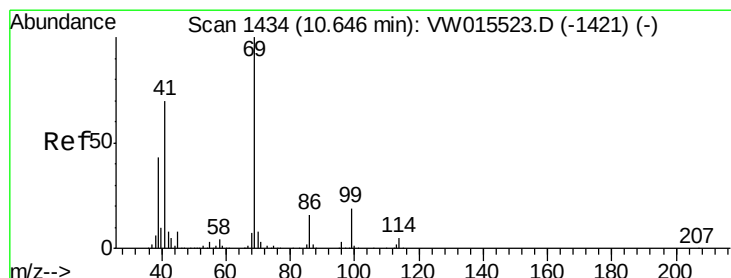
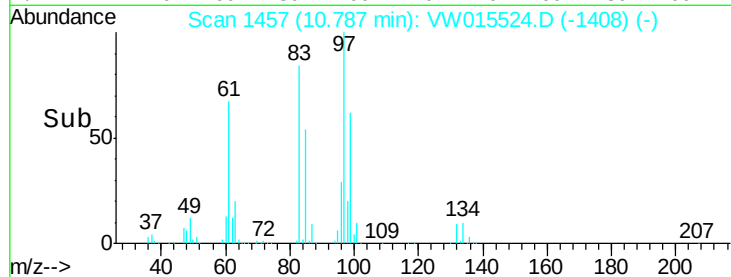
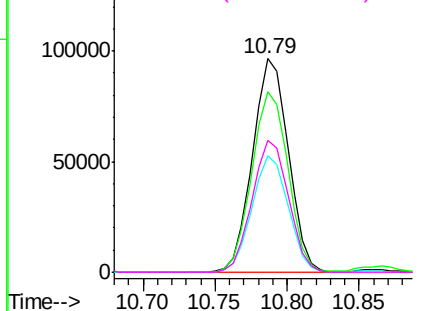
Tot Ion:	97	Resp:	166336
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.6	102.8
85	54.3	43.2	64.8
99	61.8	50.5	75.7

Manual Integrations
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6/2/2020 4:00:20 PM



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 97.231 ug/l

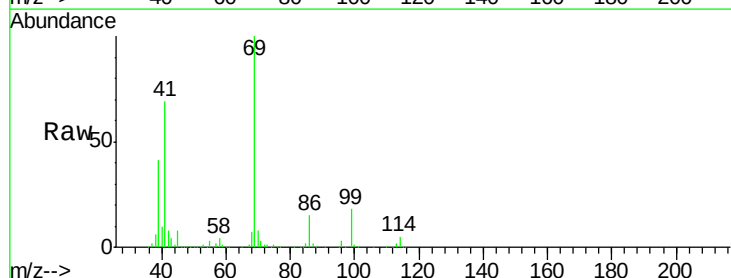
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

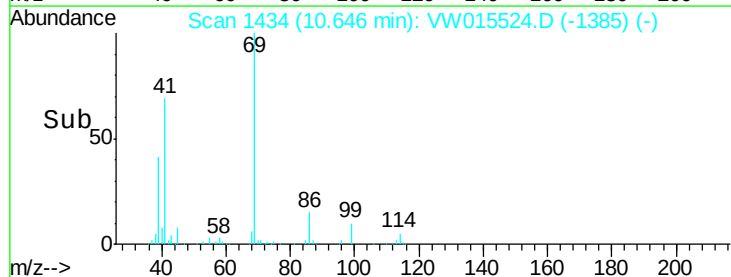
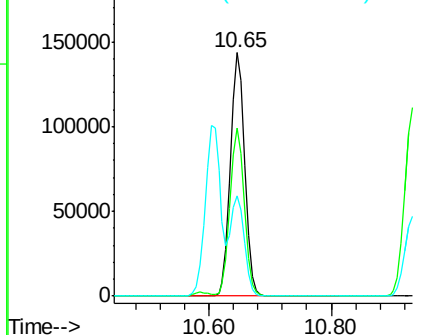
Lab File: VW015524.D

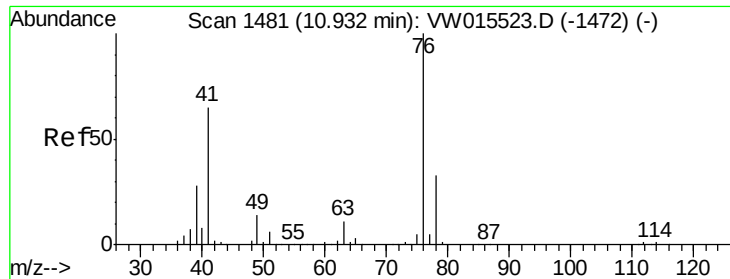
Acq: 02 Jun 2020 13:00

Tgt Ion:	69	Resp:	228047
Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.2	84.4
39	39.9	33.3	49.9



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 96.431 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 76 Resp: 296433

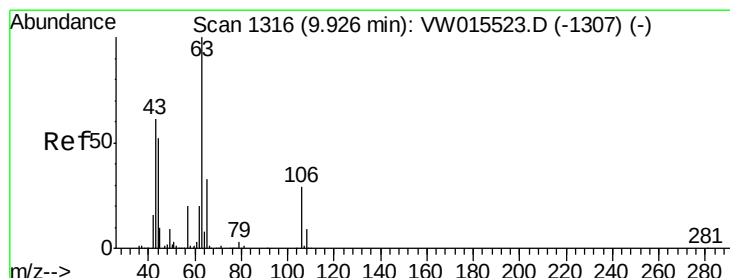
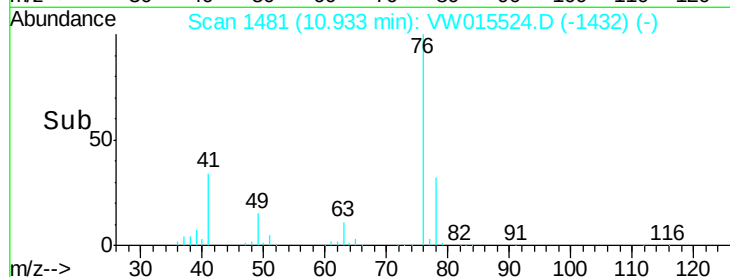
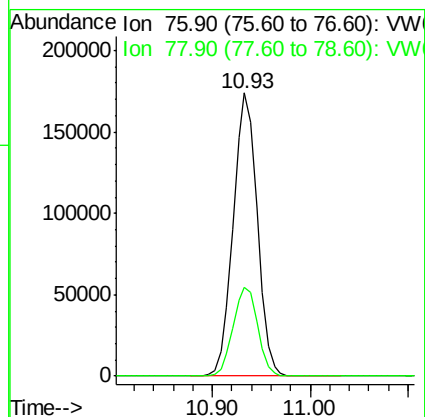
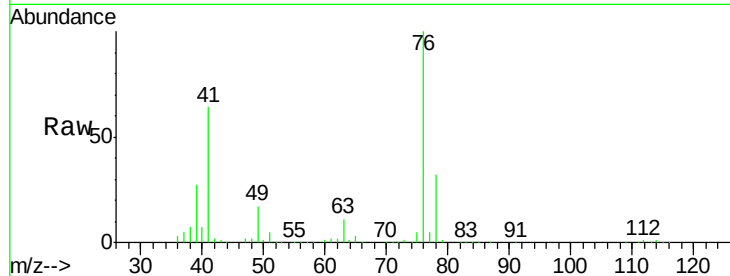
Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1

Manual Integrations
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6/2/2020 4:00:20 PM



#58

2-Chloroethyl Vinyl ether

Concen: 487.485 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW015524.D

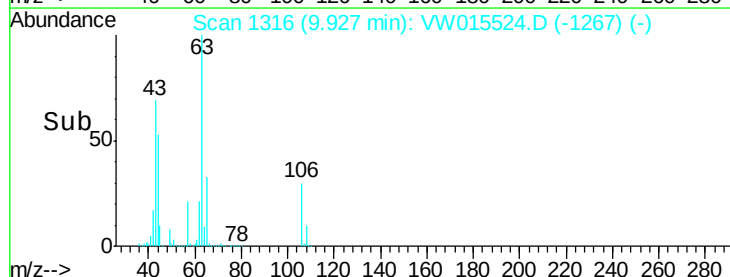
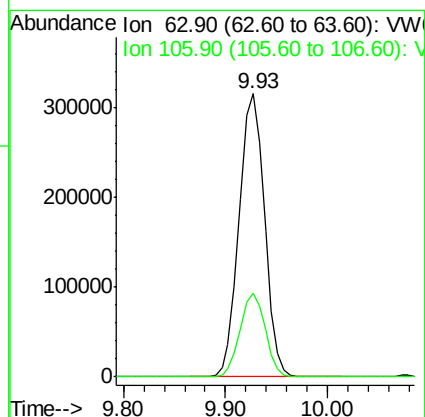
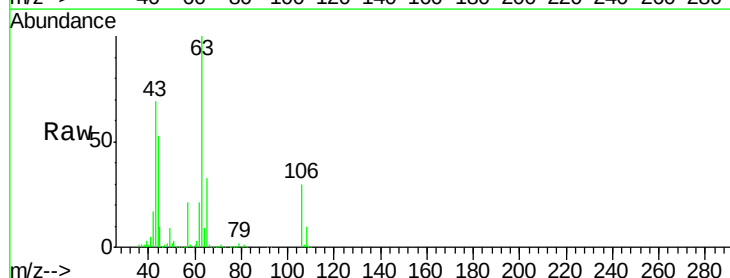
Acq: 02 Jun 2020 13:00

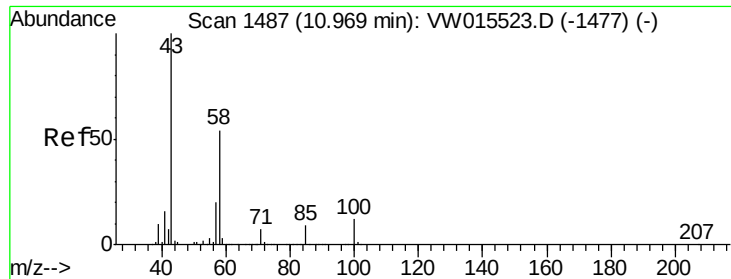
Tgt Ion: 63 Resp: 544256

Ion Ratio Lower Upper

63 100

106 29.2 22.9 34.3





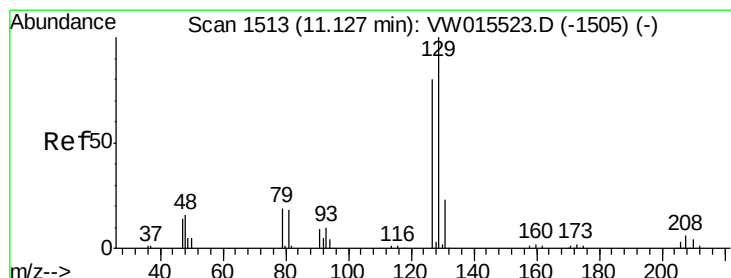
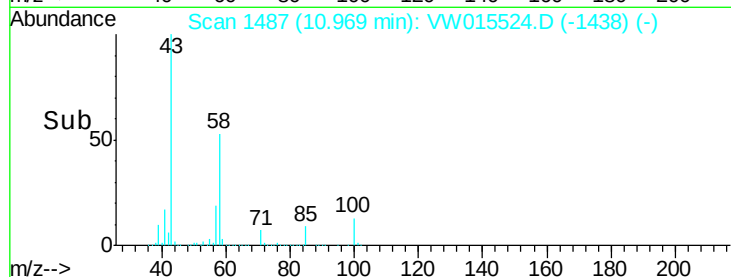
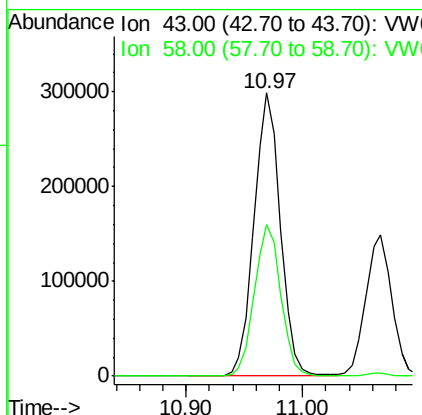
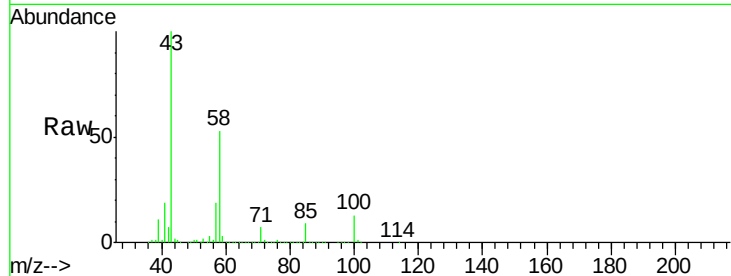
#59
2-Hexanone
Concen: 496.961 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 472251
Ion Ratio Lower Upper
43 100
58 53.6 26.8 80.3

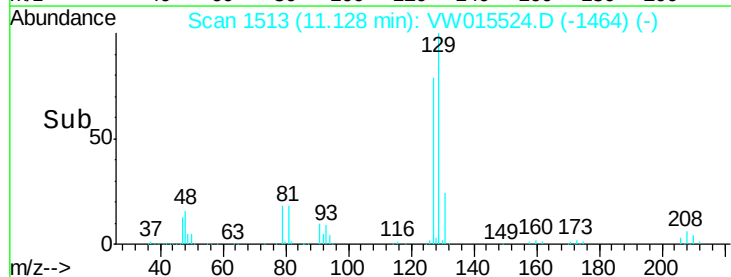
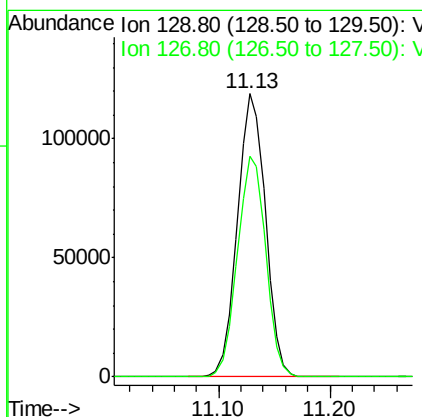
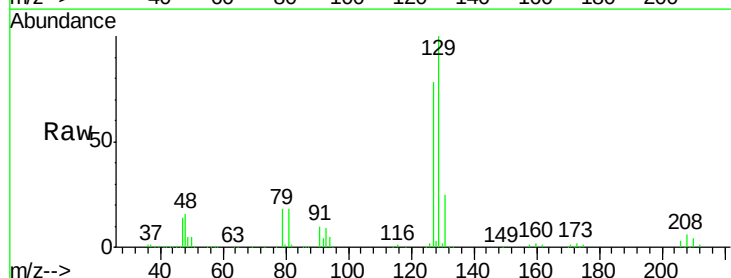
Manual Integrations
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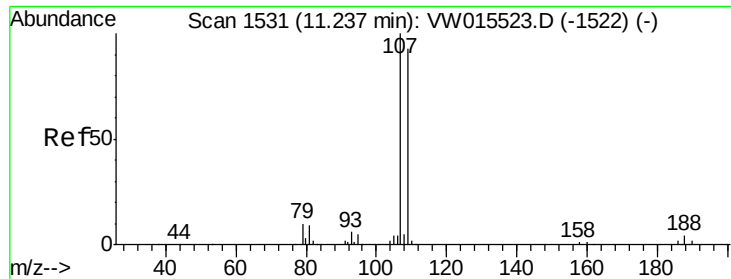
MMDadoda
6/2/2020 4:00:20 PM



#60
Dibromochloromethane
Concen: 100.210 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 129 Resp: 207372
Ion Ratio Lower Upper
129 100
127 78.6 38.4 115.2





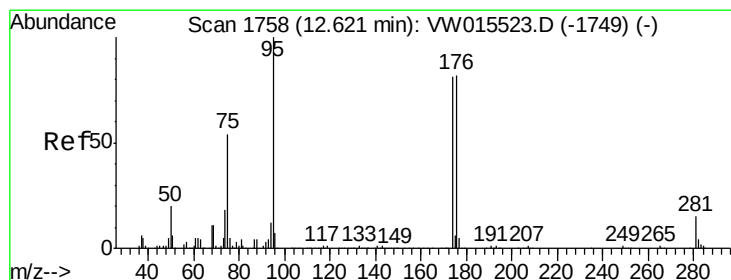
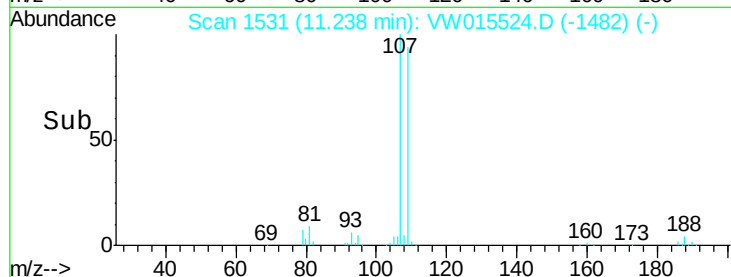
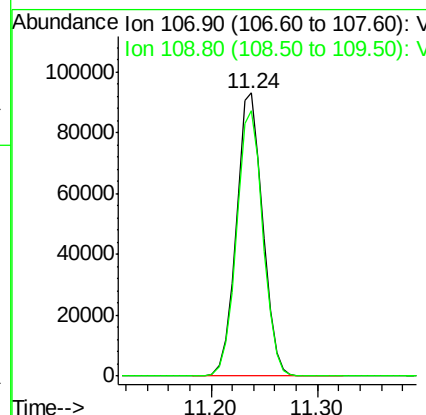
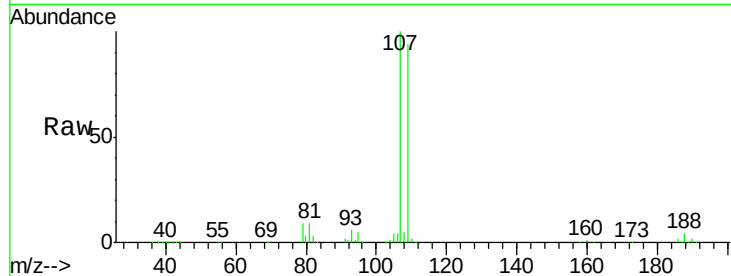
#61
 1,2-Dibromoethane
 Concen: 98.968 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	161092		
109	94.1	74.6	111.8	

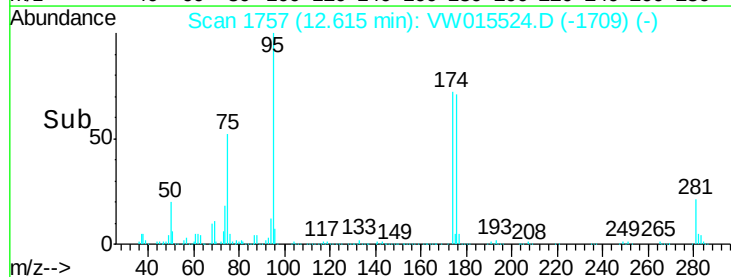
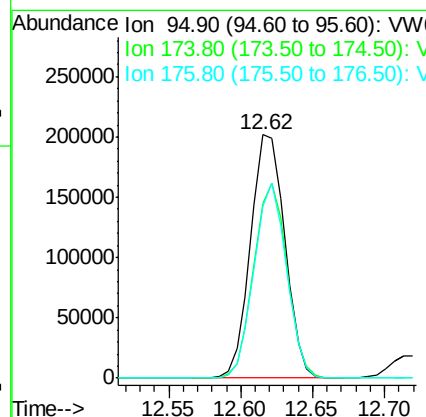
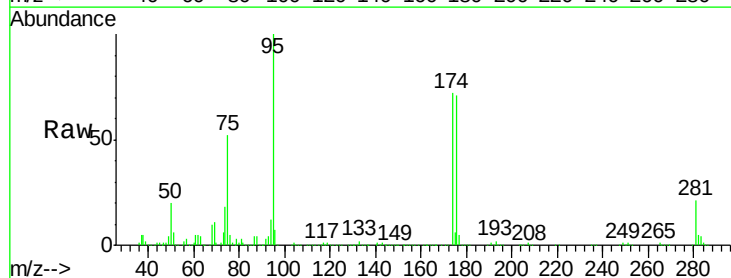
Manual Integrations
 APPROVED

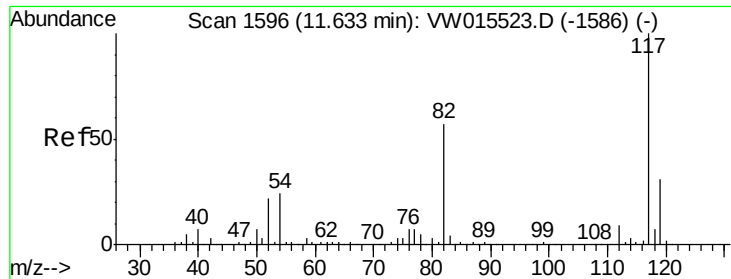
MMDadoda
 6/2/2020 4:00:20 PM



#62
 4-Bromofluorobenzene
 Concen: 105.697 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	332273		
174	77.6	0.0	153.6	
176	76.0	0.0	152.8	





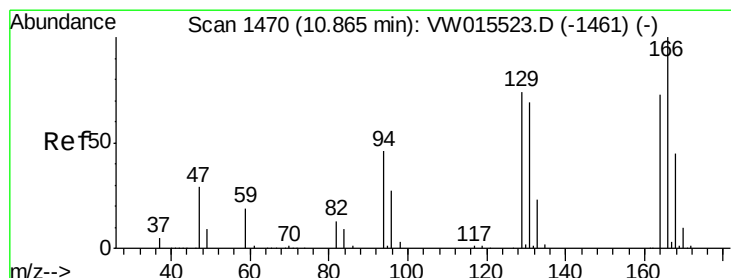
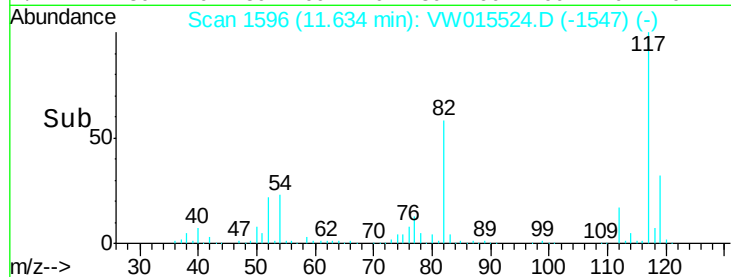
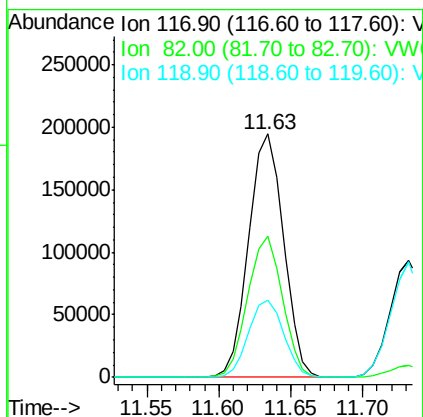
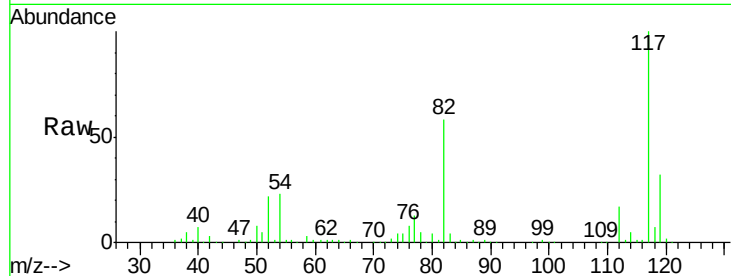
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.8	68.8
119	32.0	24.7	37.1

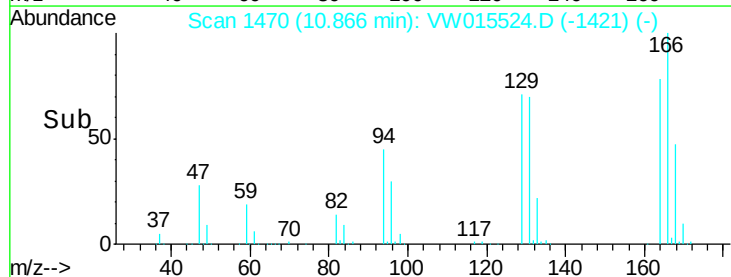
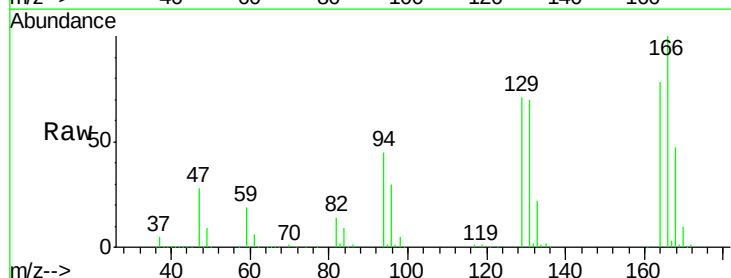
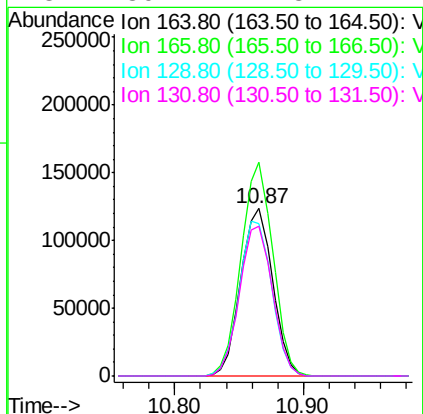
Manual Integrations
APPROVED

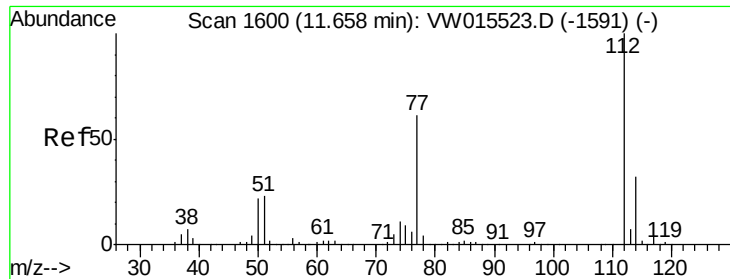
MMDadoda
6/2/2020 4:00:20 PM



#64
Tetrachloroethene
Concen: 104.958 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	109.0	163.6
129	90.9	81.0	121.4
131	89.1	74.8	112.2





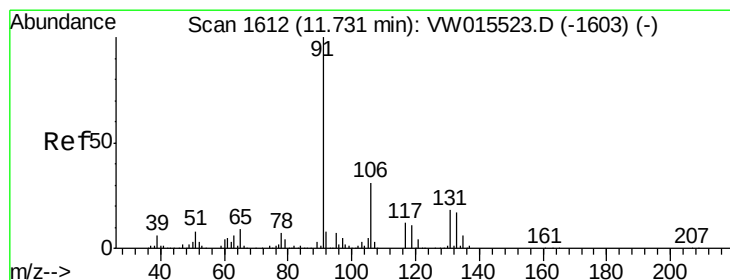
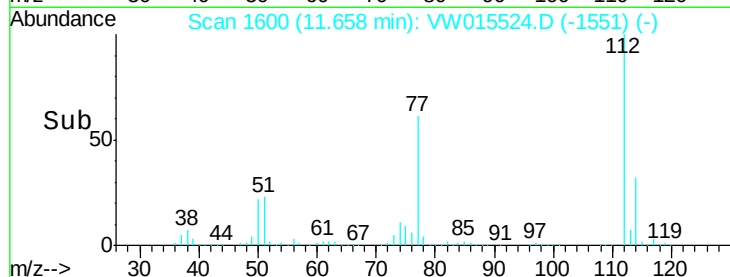
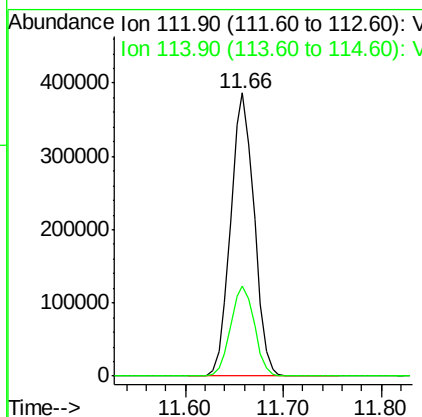
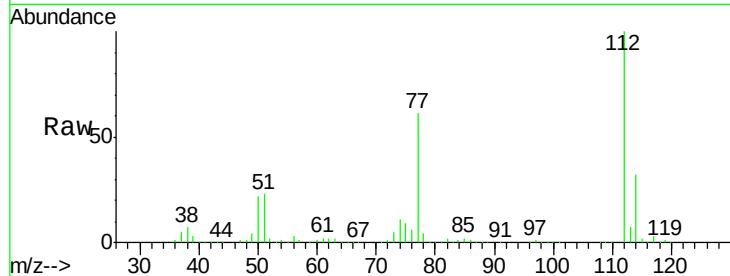
#65
Chlorobenzene
Concen: 98.572 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 644009
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

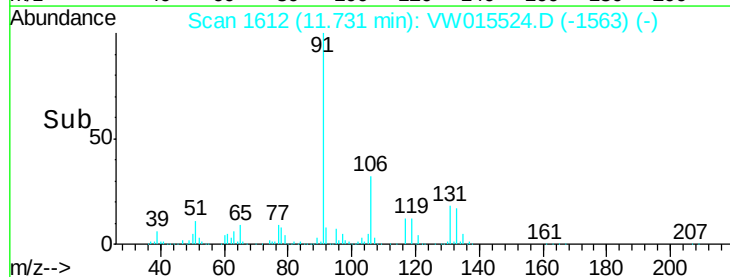
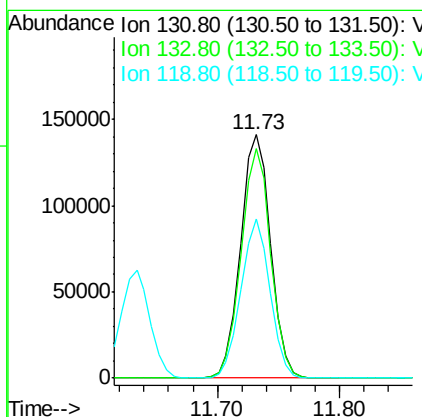
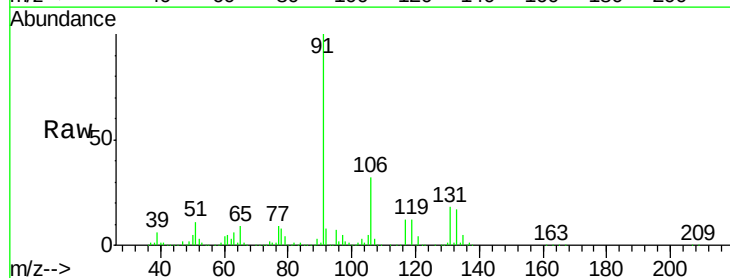
Manual Integrations
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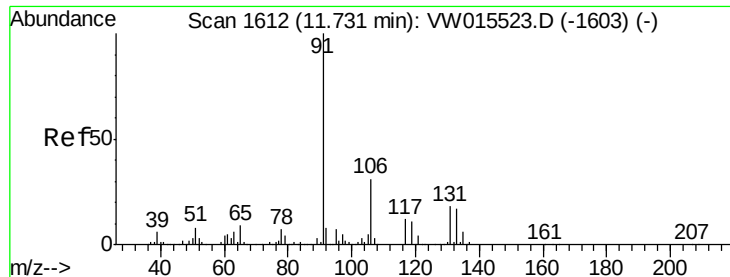
MMDadoda
6/2/2020 4:00:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.982 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion:131 Resp: 239053
Ion Ratio Lower Upper
131 100
133 93.1 48.3 144.8
119 63.6 32.5 97.5





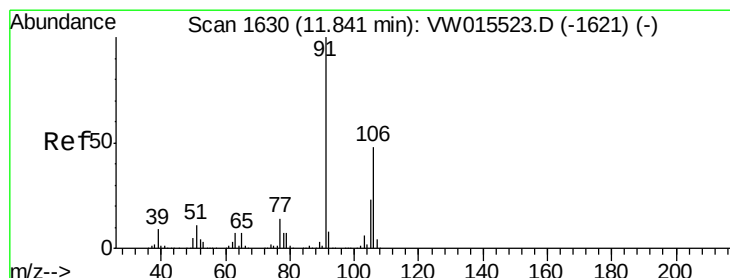
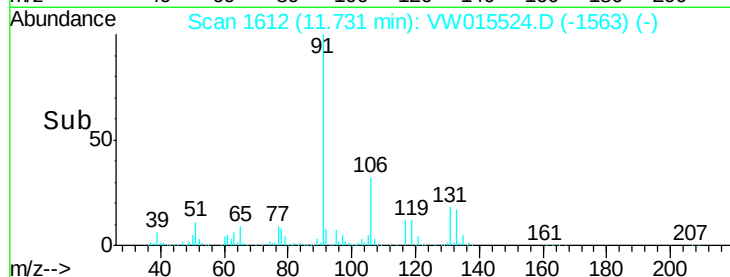
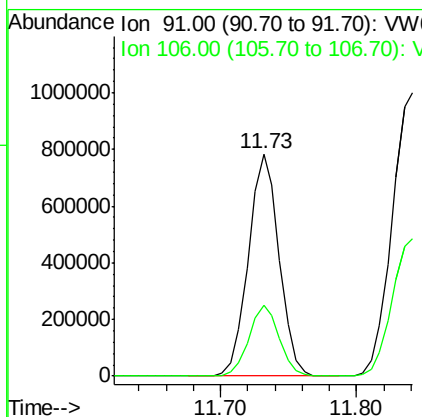
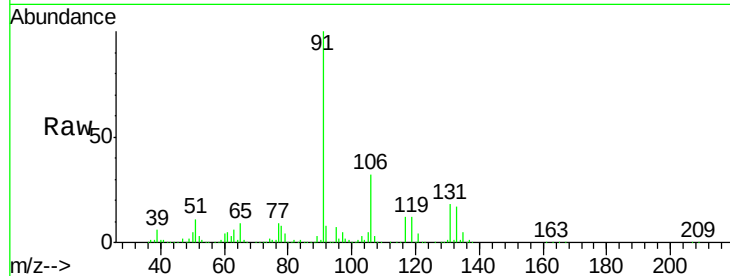
#67
Ethyl Benzene
Concen: 99.161 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1237383
Ion Ratio Lower Upper
91 100
106 32.1 24.5 36.7

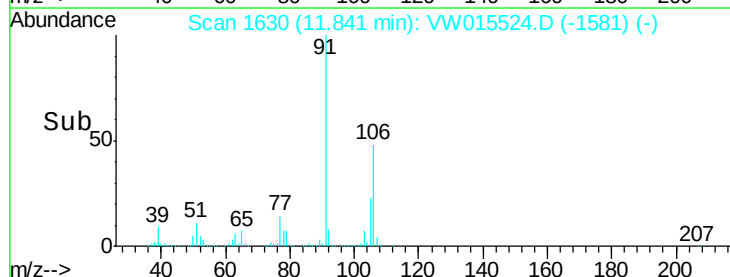
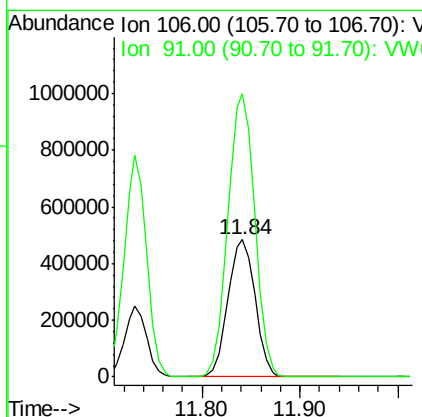
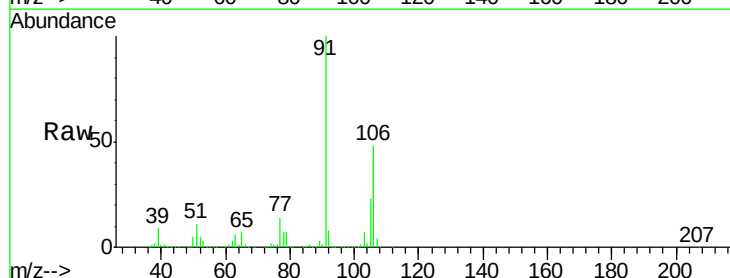
Manual Integrations
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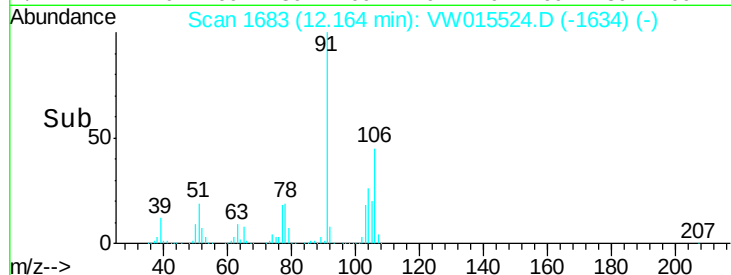
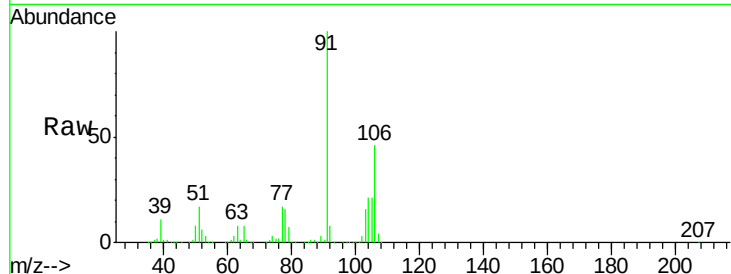
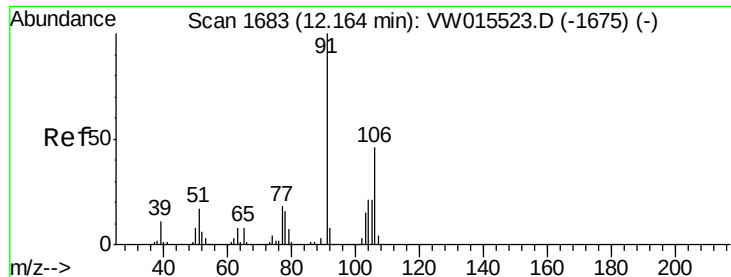
MMDadoda
6/2/2020 4:00:20 PM



#68
m/p-Xylenes
Concen: 199.371 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion: 106 Resp: 926202
Ion Ratio Lower Upper
106 100
91 204.9 163.5 245.3





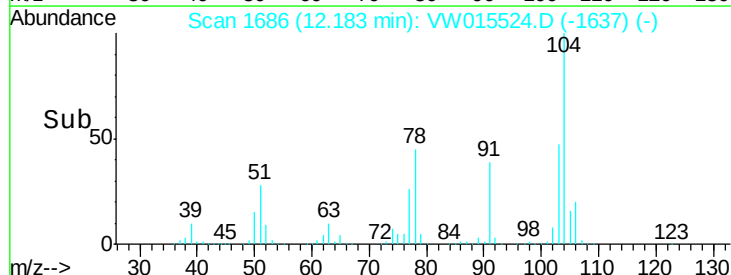
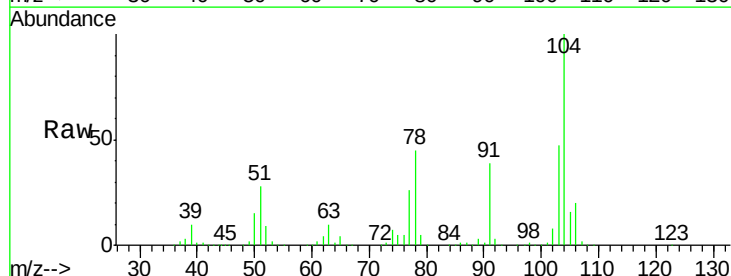
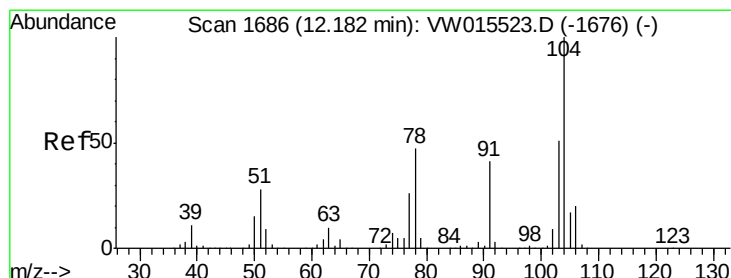
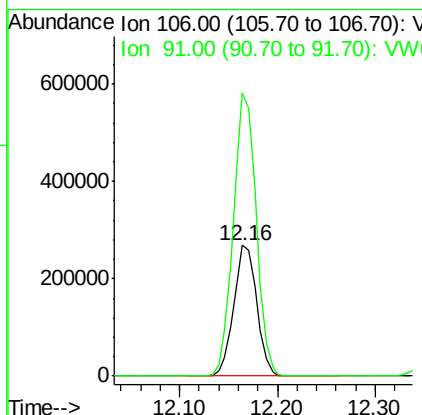
#69
o-Xylene
Concen: 100.708 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tot Ion:106 Resp: 438970
Ion Ratio Lower Upper
106 100
91 215.1 107.8 323.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

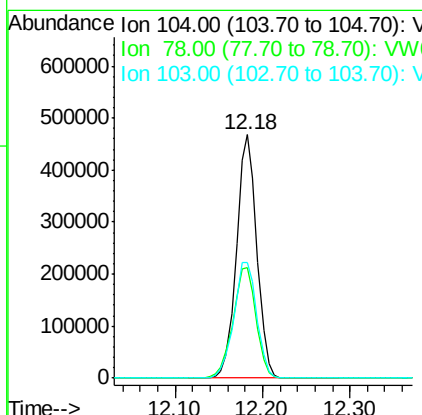
Manual Integrations
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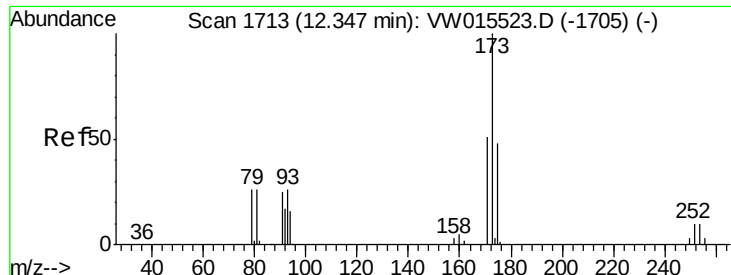
MMDadoda
6/2/2020 4:00:20 PM



#70
Styrene
Concen: 100.809 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion:104 Resp: 756479
Ion Ratio Lower Upper
104 100
78 51.7 41.7 62.5
103 53.9 43.8 65.8





#71

Bromoform

Concen: 103.553 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 117719

Ion Ratio Lower Upper

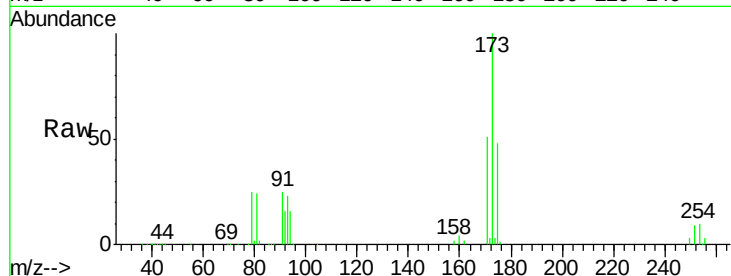
173 100

175 49.4 24.8 74.3

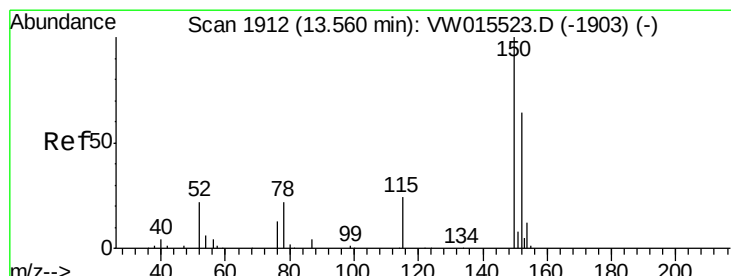
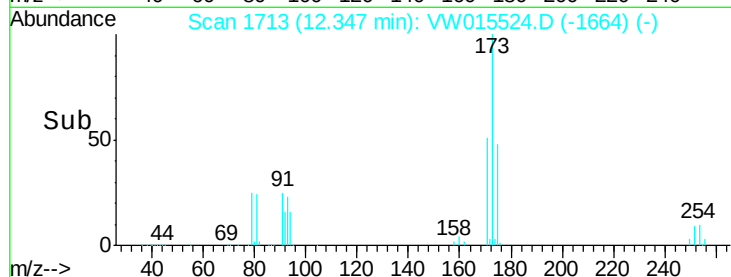
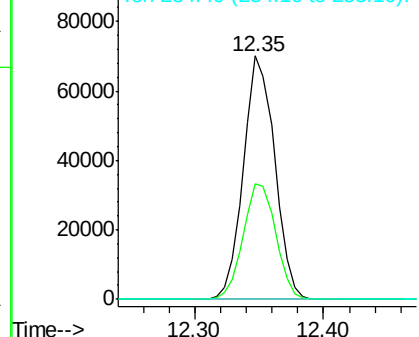
254 0.1 0.0 0.0#

Manual Integrations
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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: VW015524.D

Acq: 02 Jun 2020 13:00

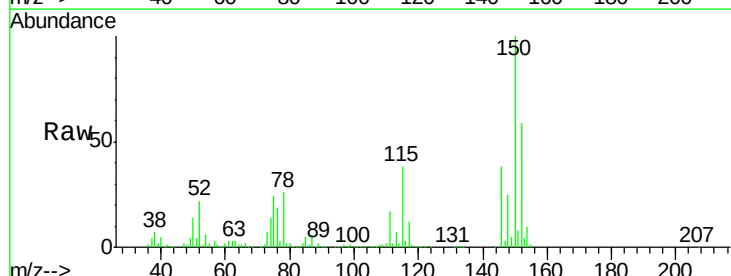
Tgt Ion:152 Resp: 159704

Ion Ratio Lower Upper

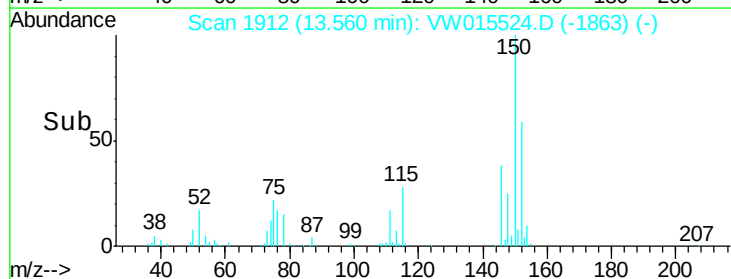
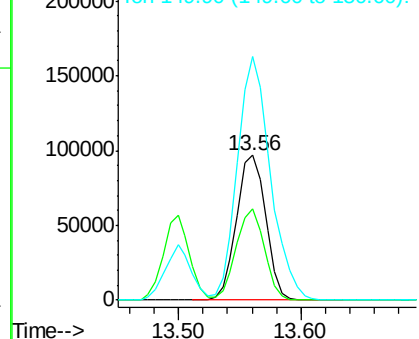
152 100

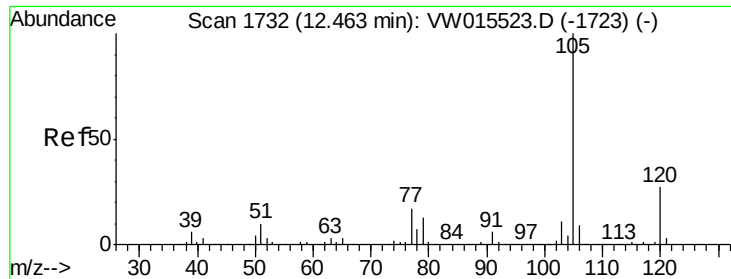
115 60.4 30.0 90.0

150 189.3 0.0 351.0



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





#73

Isopropylbenzene

Concen: 100.966 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1220071

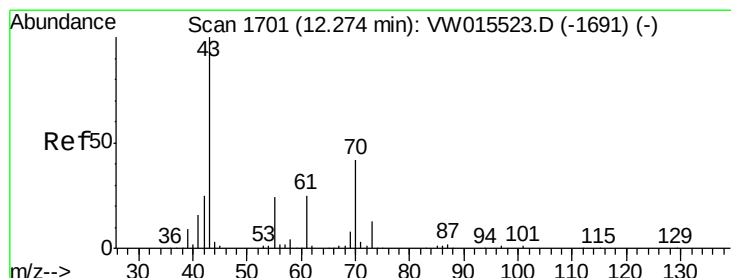
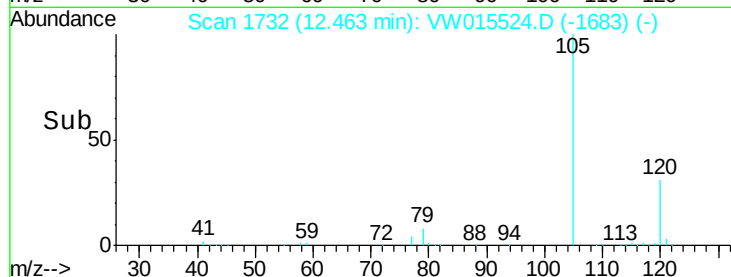
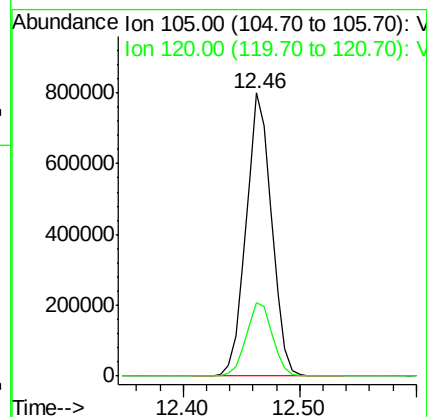
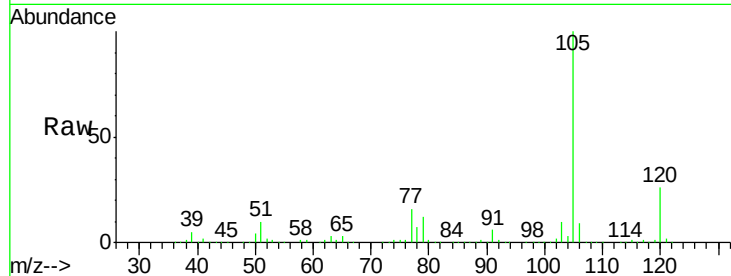
Ion Ratio Lower Upper

105 100

120 26.8 13.0 38.9

Manual Integrations
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6/2/2020 4:00:20 PM



#74

N-ethyl acetate

Concen: 93.795 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion: 43 Resp: 268529

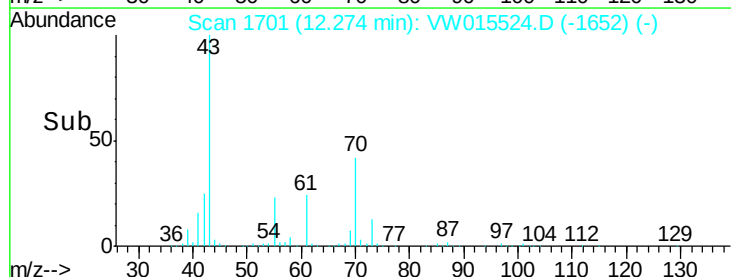
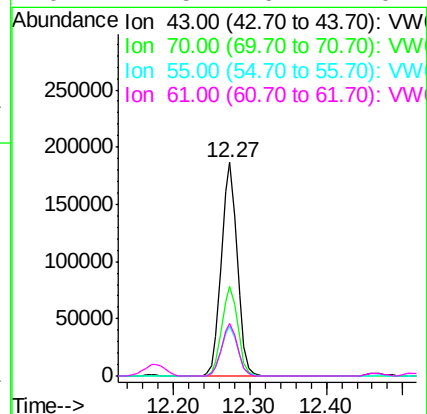
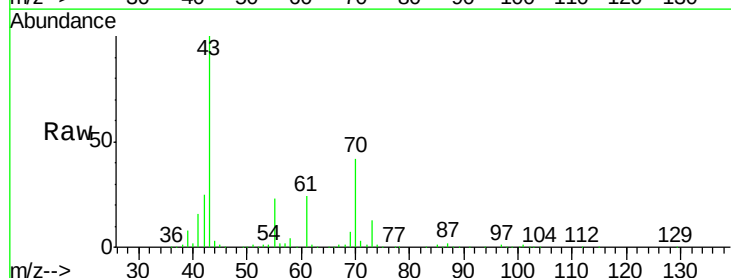
Ion Ratio Lower Upper

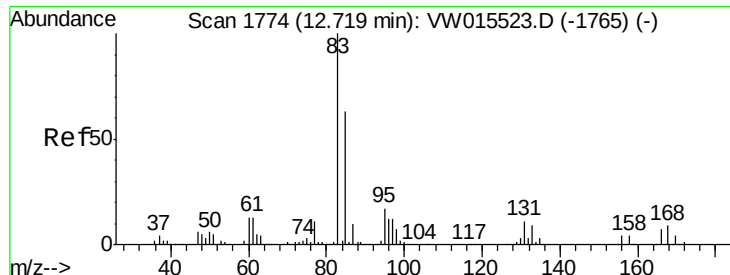
43 100

70 42.6 33.6 50.4

55 23.8 19.1 28.7

61 24.5 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 98.619 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

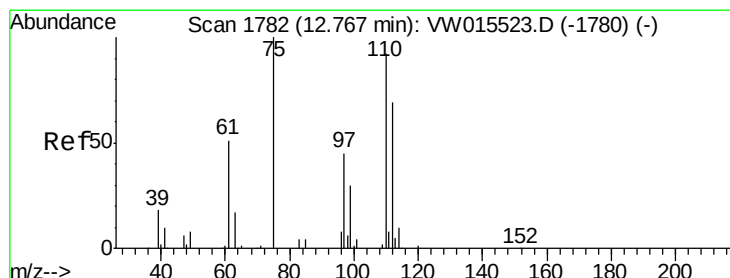
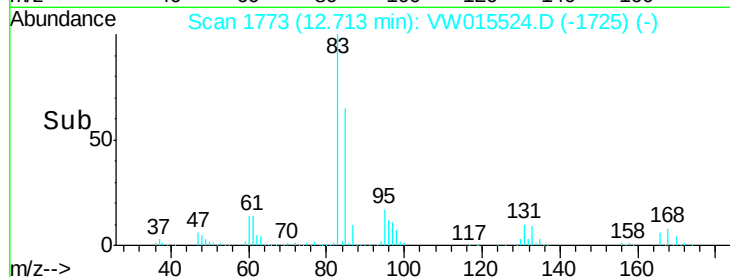
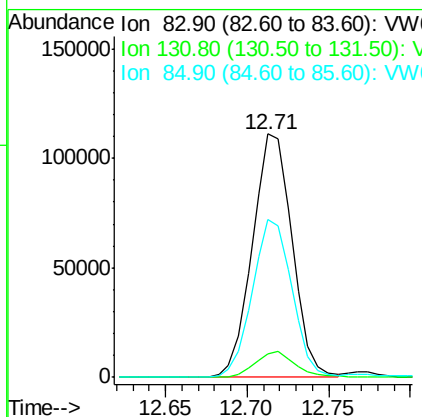
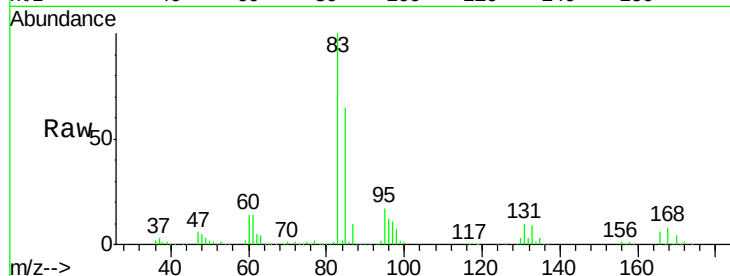
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	188281
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	16.1
85	64.7	32.0	96.0

Manual Integrations
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6/2/2020 4:00:20 PM



#76

1,2,3-Trichloropropane

Concen: 101.992 ug/l m

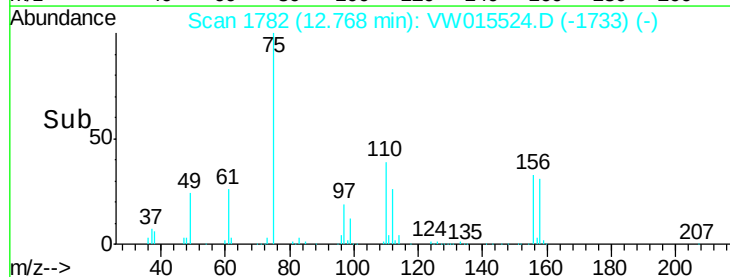
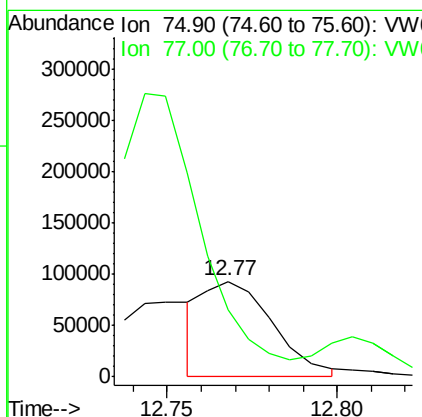
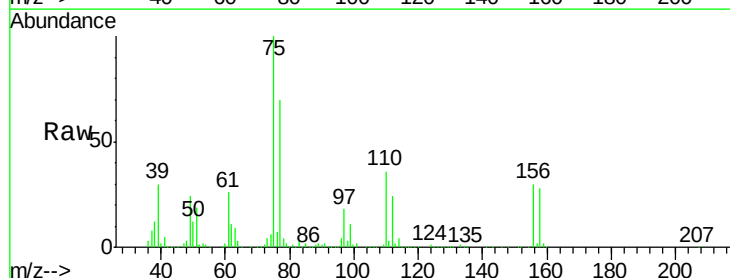
RT: 12.77 min Scan# 1782

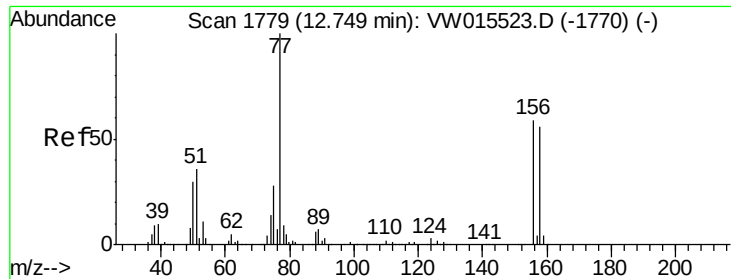
Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion:	75	Resp:	134113
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 103.289 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

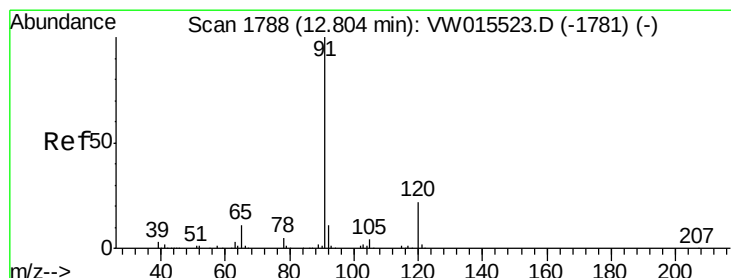
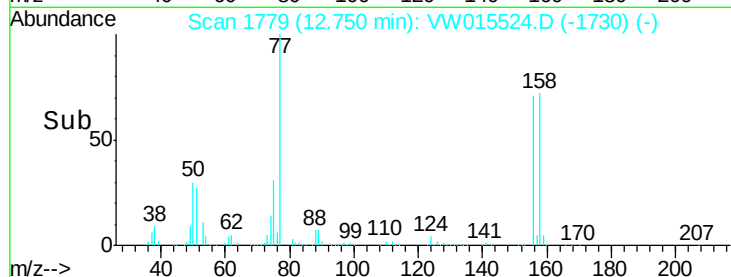
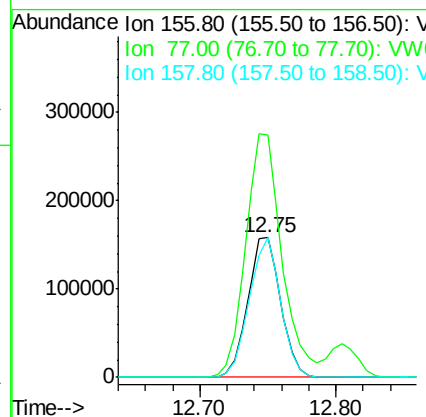
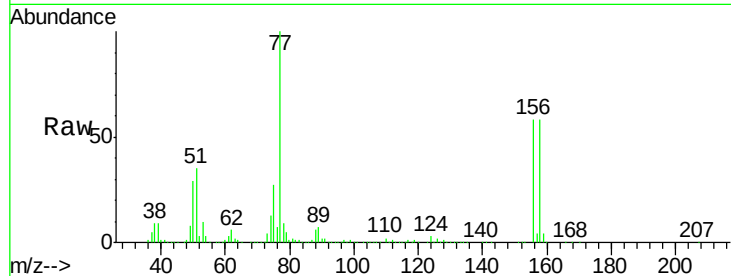
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.7	97.3	291.8
158	96.0	48.5	145.6

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#78

n-propylbenzene

Concen: 100.597 ug/l

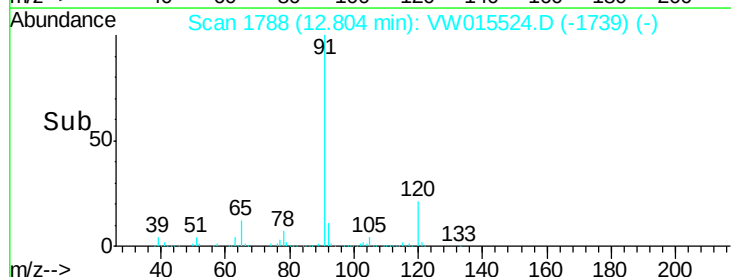
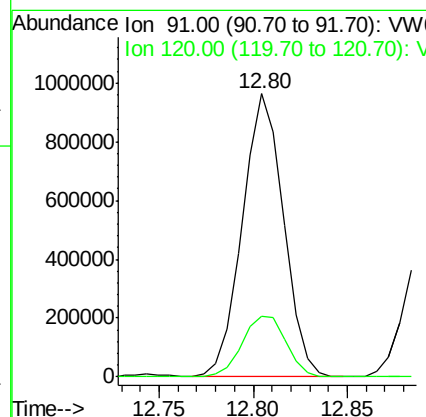
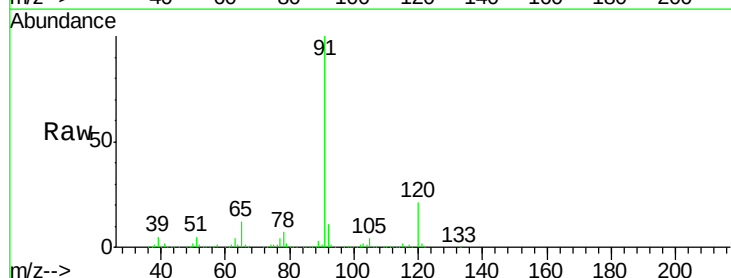
RT: 12.80 min Scan# 1788

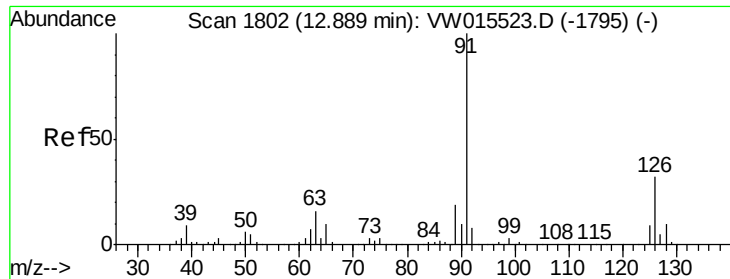
Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.8





#79

2-Chlorotoluene

Concen: 100.931 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 824631

Ion Ratio Lower Upper

91 100

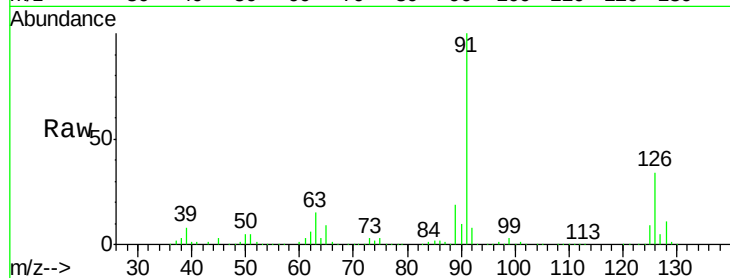
126 33.0 16.2 48.5

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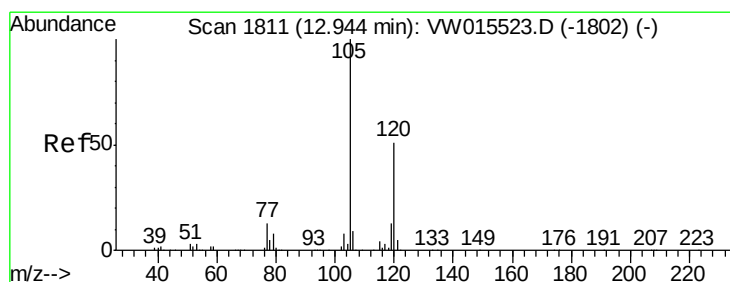
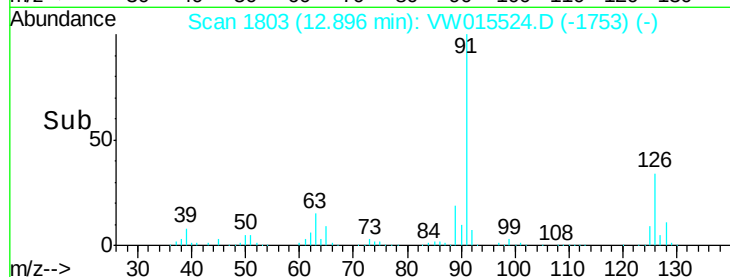
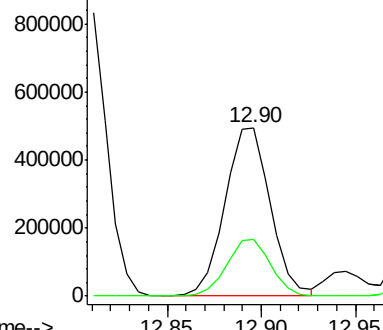
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 102.073 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015524.D

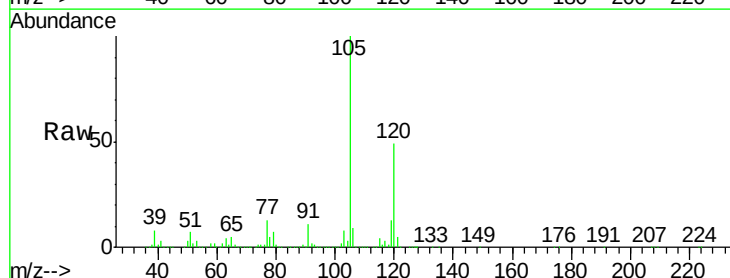
Acq: 02 Jun 2020 13:00

Tgt Ion:105 Resp: 1036255

Ion Ratio Lower Upper

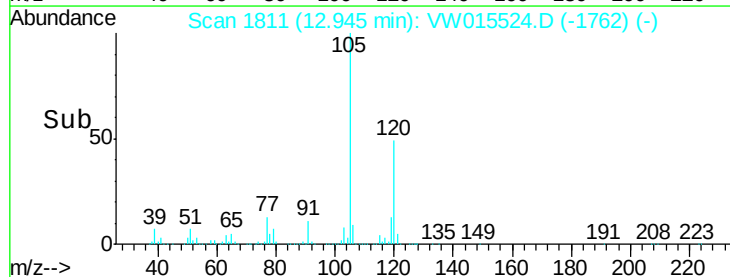
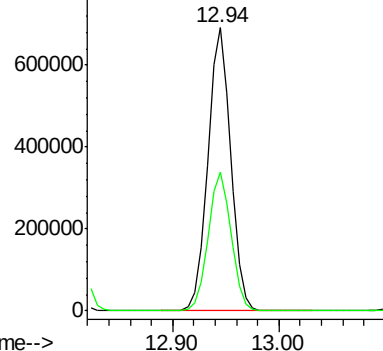
105 100

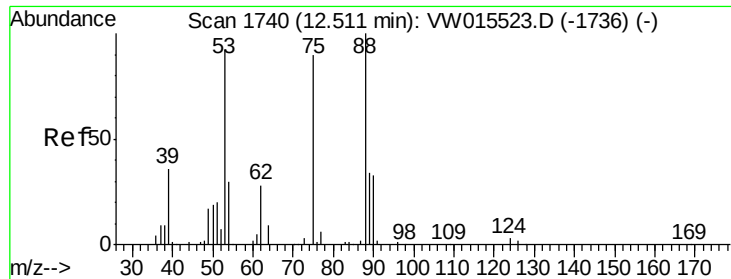
120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 98.864 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 66868

Ion Ratio Lower Upper

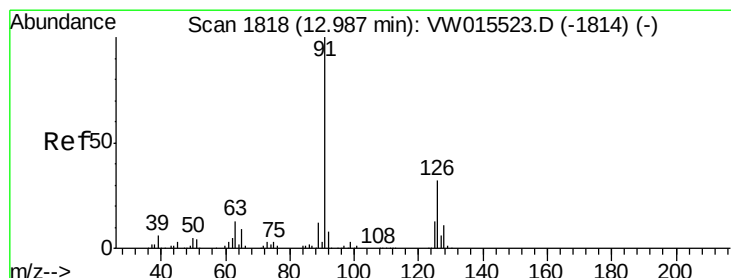
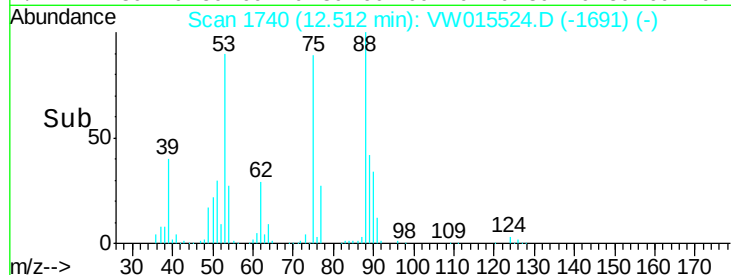
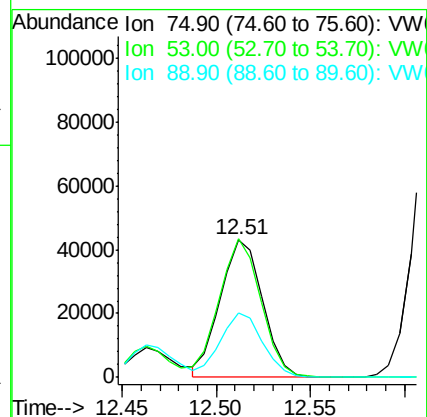
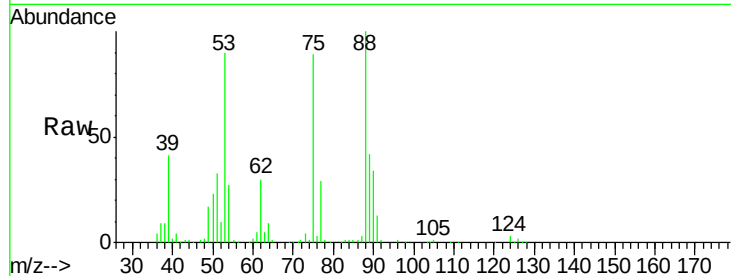
75 100

53 101.3 84.0 126.0

89 47.4 36.6 55.0

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#82

4-Chlorotoluene

Concen: 98.530 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015524.D

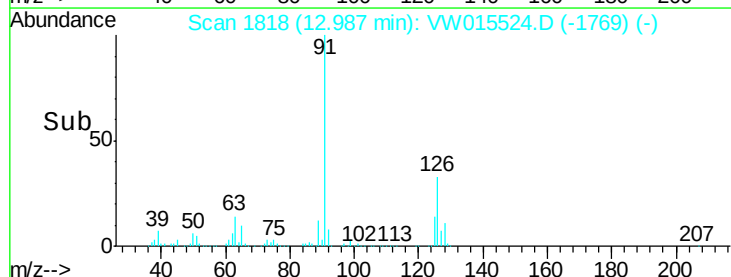
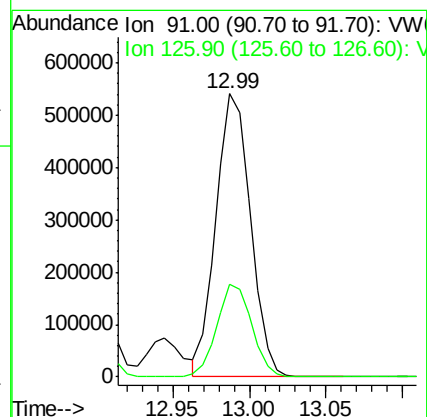
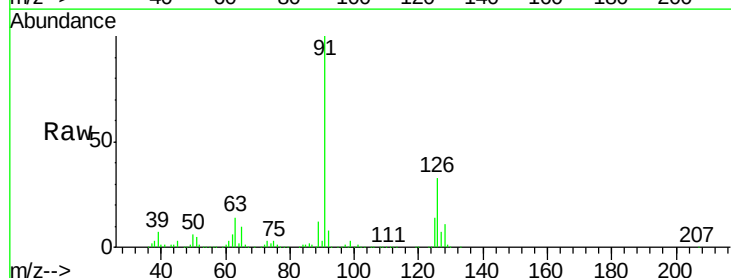
Acq: 02 Jun 2020 13:00

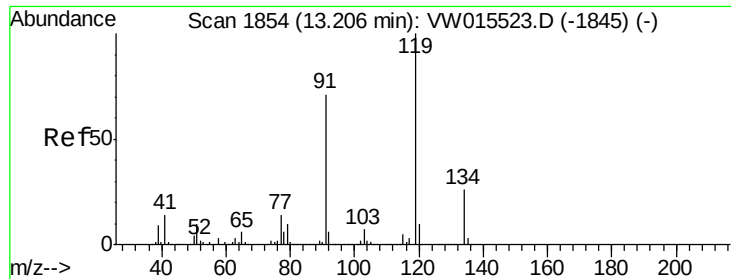
Tgt Ion: 91 Resp: 850195

Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.4





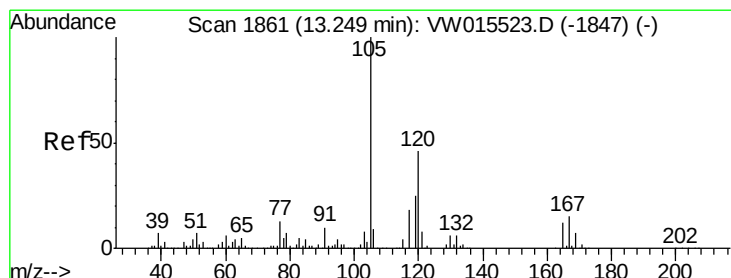
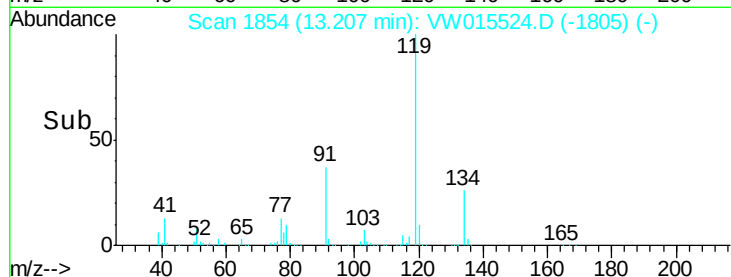
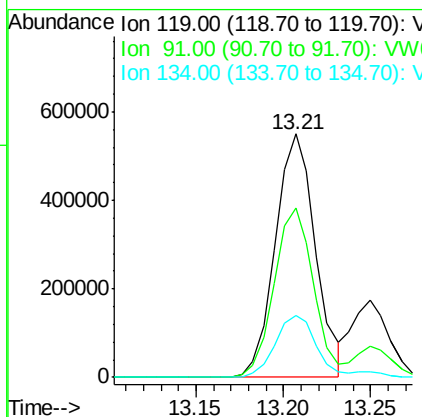
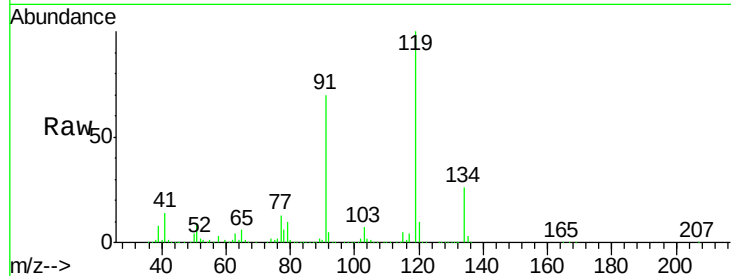
#83
 tert-Butylbenzene
 Concen: 101.445 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.2	102.5
134	27.7	12.7	38.1

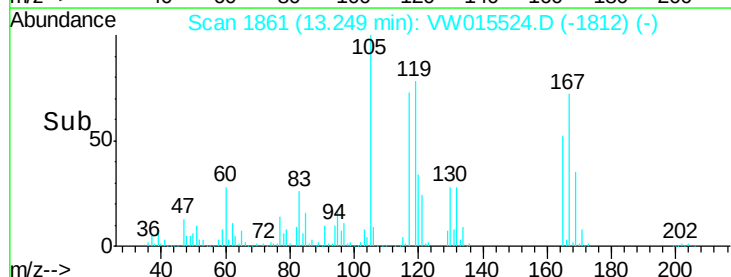
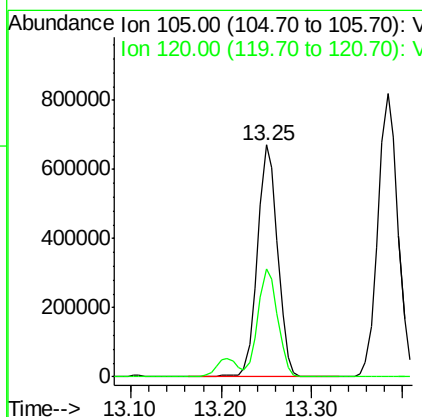
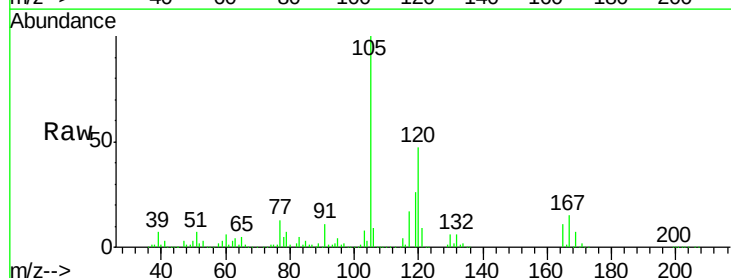
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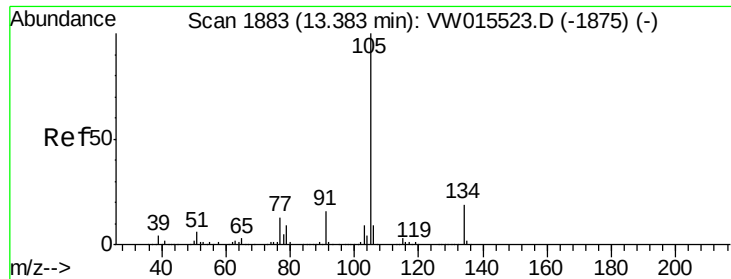
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#84
 1,2,4-Trimethylbenzene
 Concen: 101.551 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 101.911 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1243743

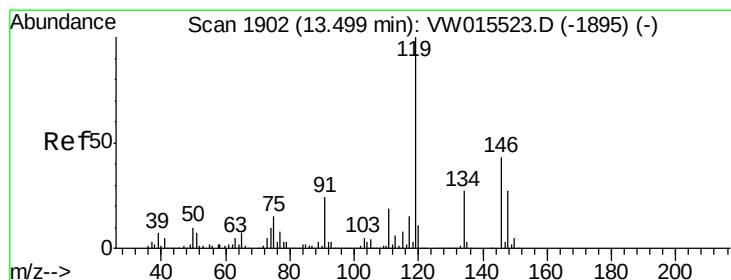
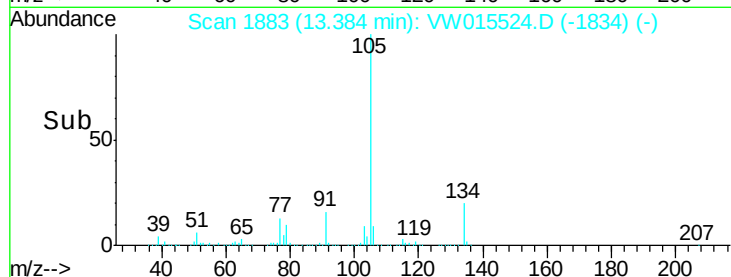
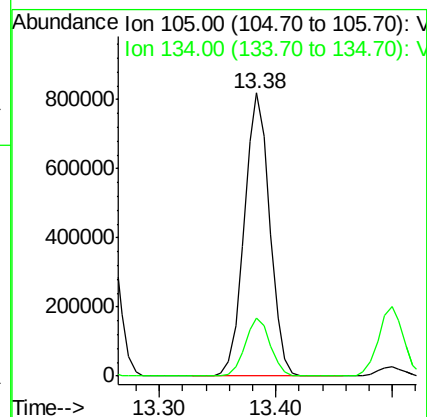
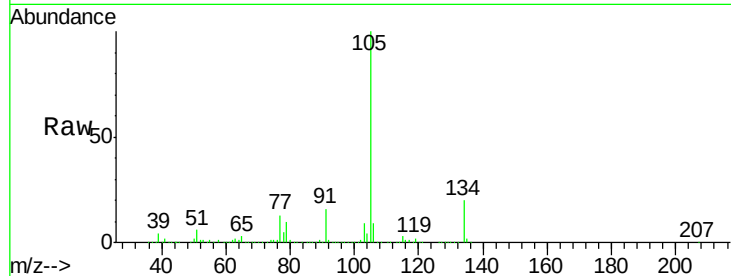
Ion Ratio Lower Upper

105 100

134 20.3 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 101.173 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

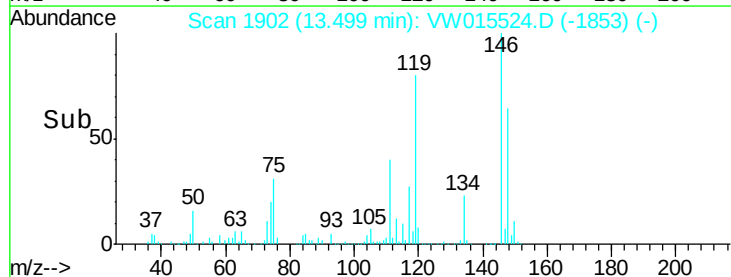
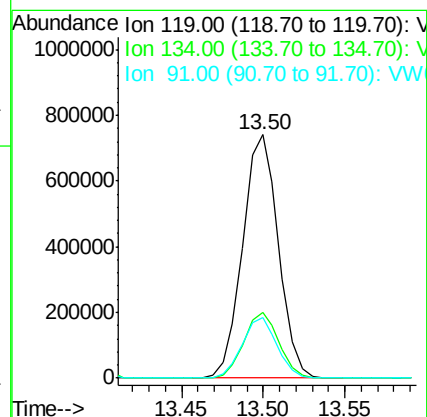
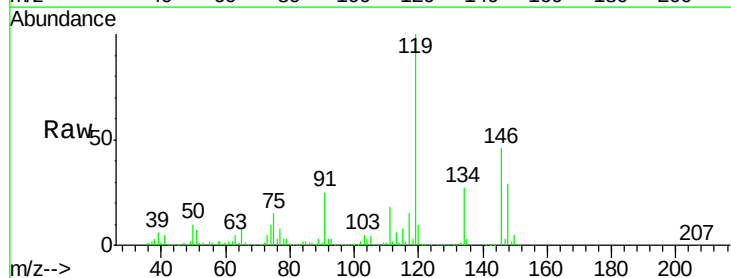
Tgt Ion:119 Resp: 1126052

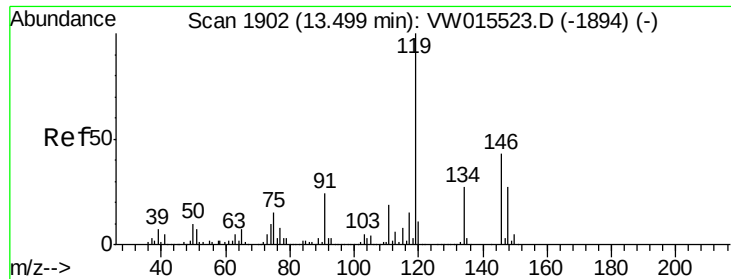
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 24.2 12.0 36.0





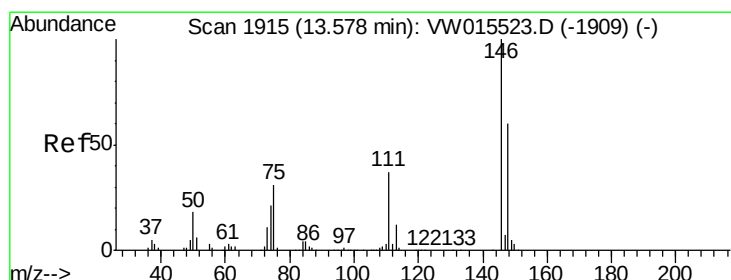
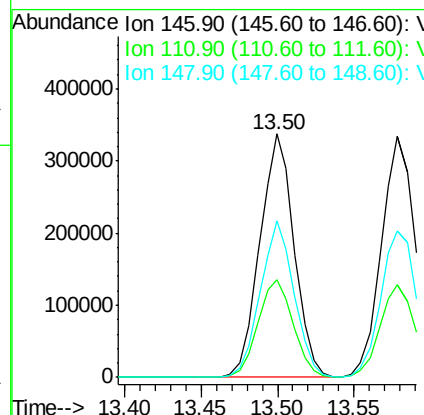
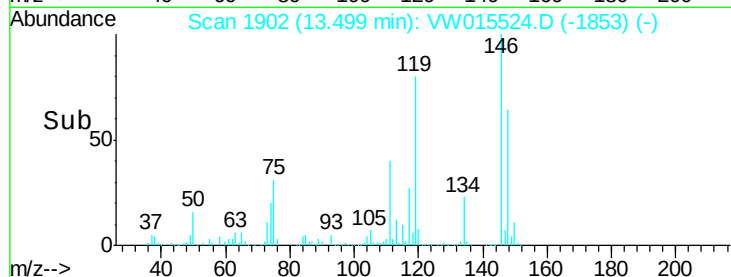
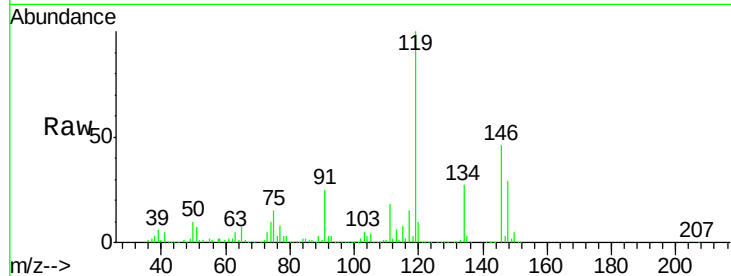
#87
 1,3-Dichlorobenzene
 Concen: 103.213 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	526279		
111	40.9		20.8	62.5
148	63.1		31.2	93.6

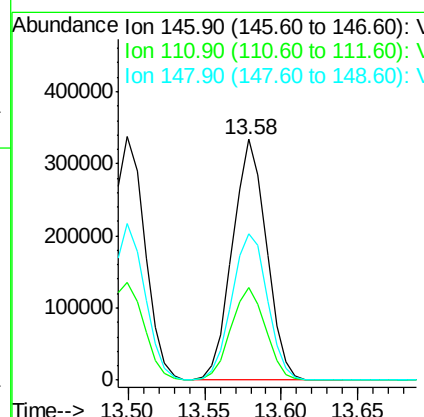
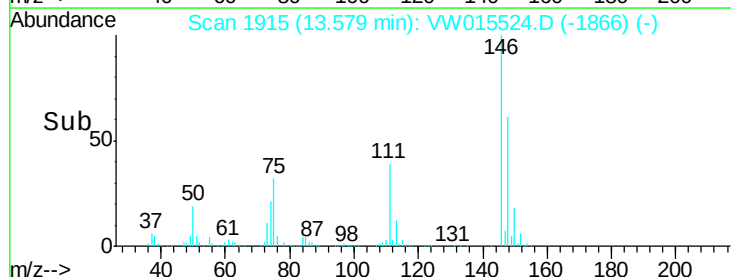
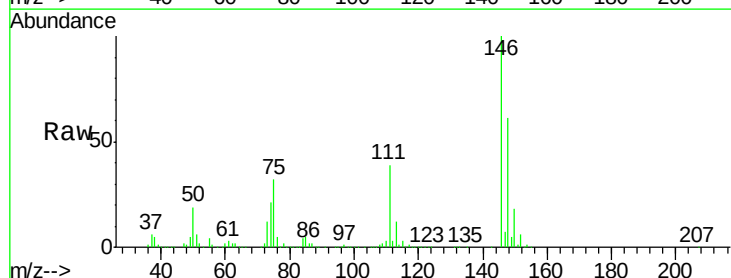
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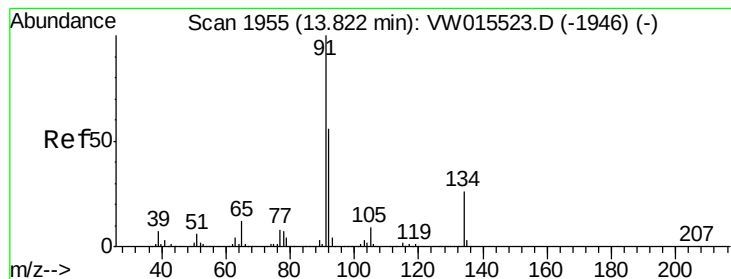
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#88
 1,4-Dichlorobenzene
 Concen: 101.633 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	515328		
111	39.2		19.6	58.7
148	63.6		30.9	92.7





#89

n-Butylbenzene

Concen: 102.001 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015524.D

Acq: 02 Jun 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1105588

Ion Ratio Lower Upper

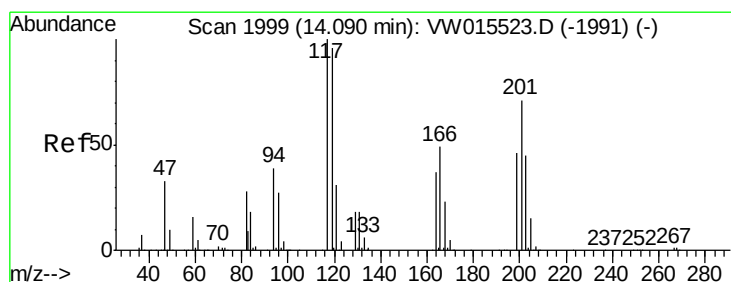
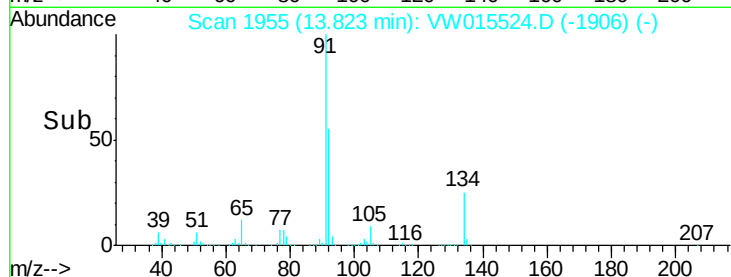
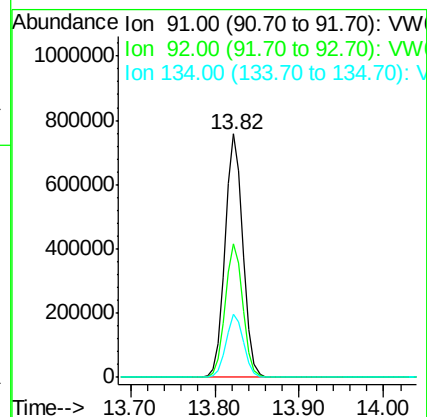
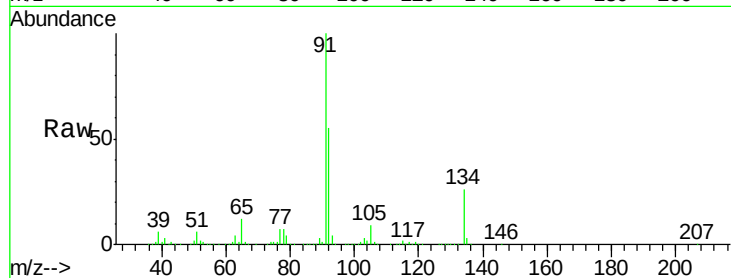
91 100

92 54.6 27.3 81.9

134 25.9 13.1 39.1

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#90

Hexachloroethane

Concen: 103.490 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015524.D

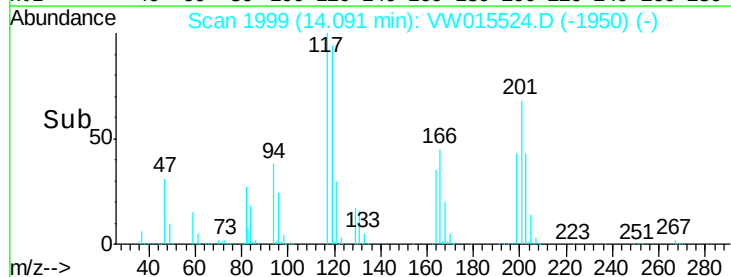
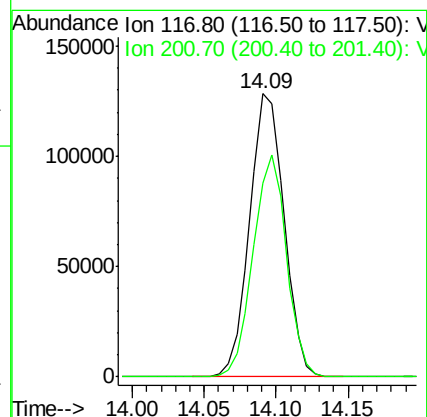
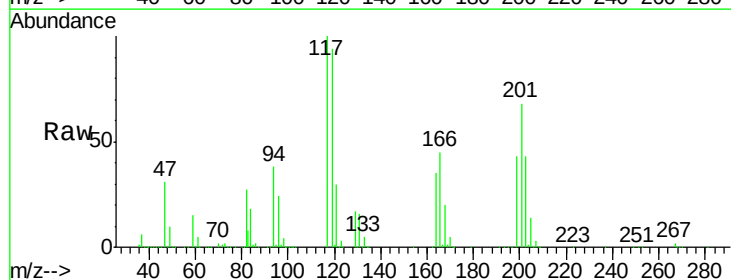
Acq: 02 Jun 2020 13:00

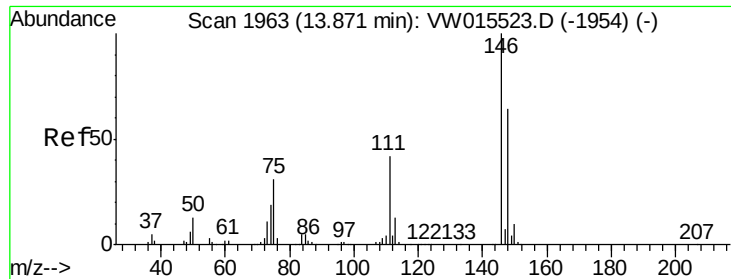
Tgt Ion: 117 Resp: 212677

Ion Ratio Lower Upper

117 100

201 75.7 38.5 115.3





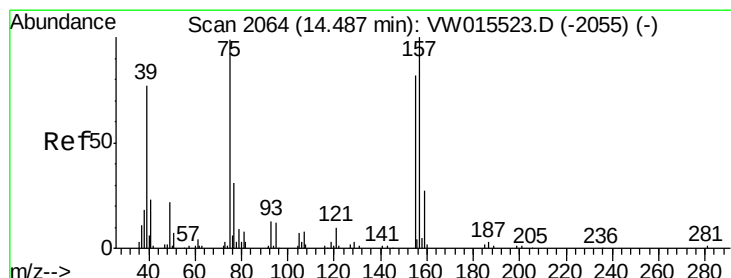
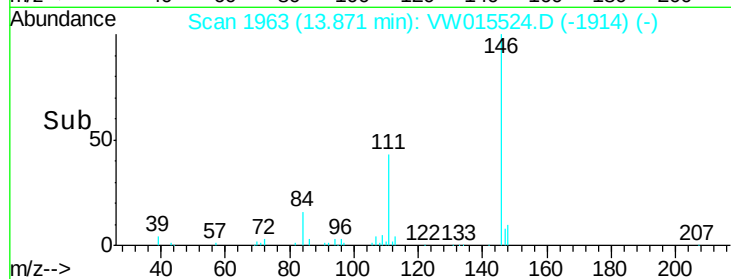
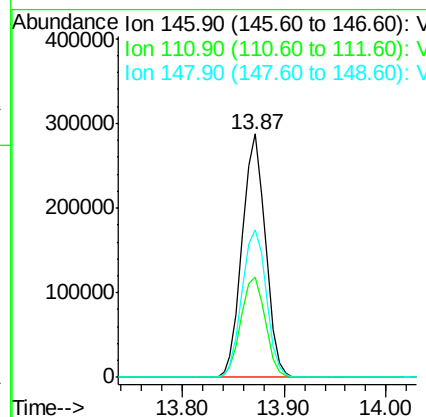
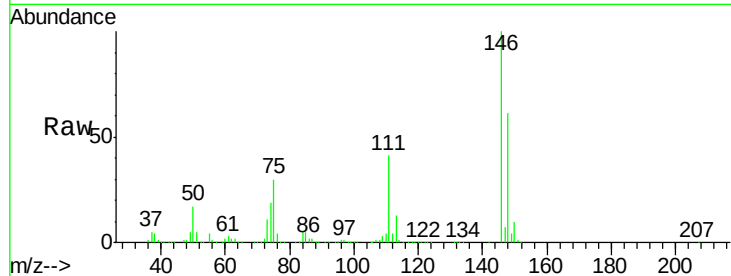
#91
 1,2-Dichlorobenzene
 Concen: 101.691 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	63.4	32.1	96.5

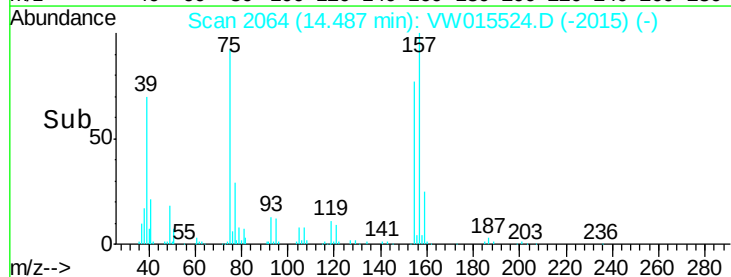
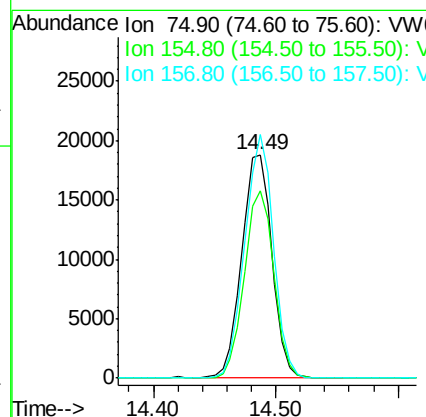
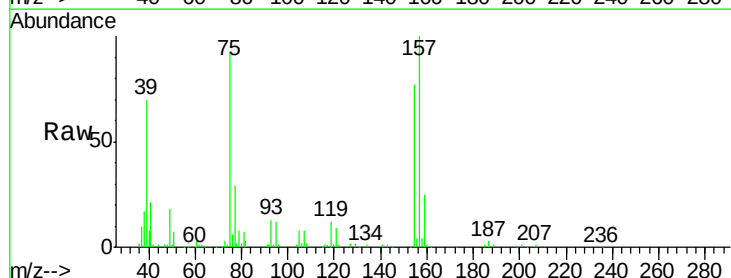
Manual Integrations
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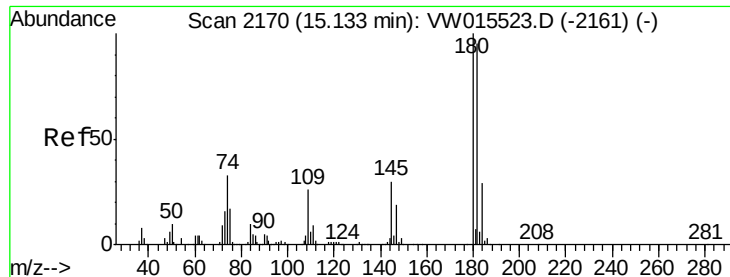
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.676 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	40.4	121.1
157	103.3	50.5	151.6





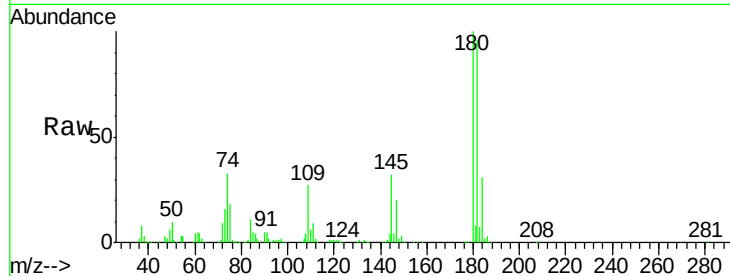
#93
 1,2,4-Trichlorobenzene
 Concen: 106.105 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

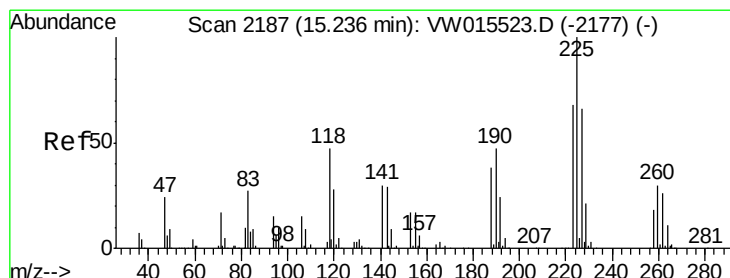
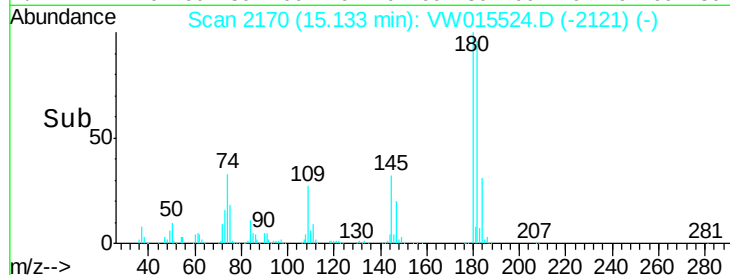
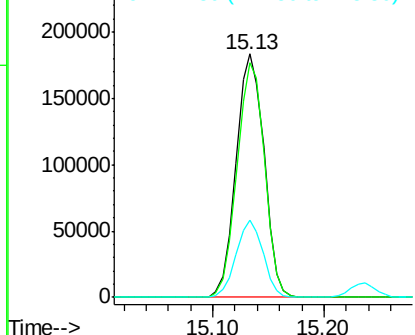
Tot Ion	Ratio	Resp	Lower	Upper
180	100	317579		
182	95.0	47.7	143.1	
145	30.7	15.4	46.2	

Manual Integrations
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MMDadoda
 6/2/2020 4:00:20 PM

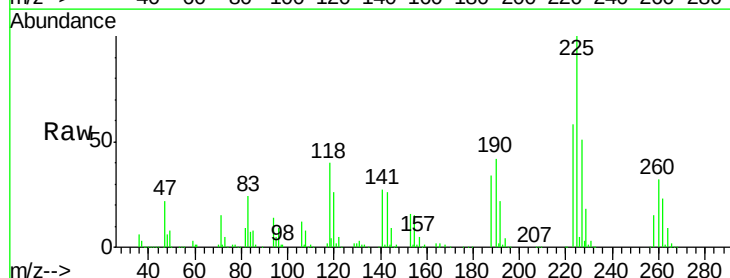


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

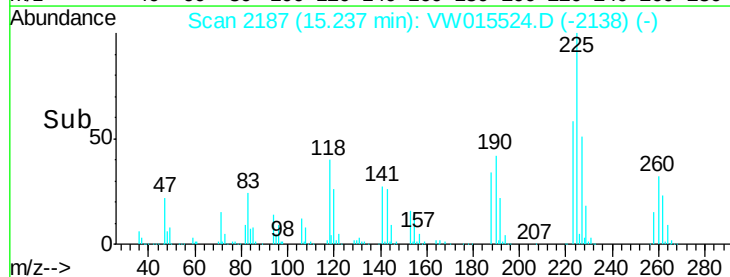
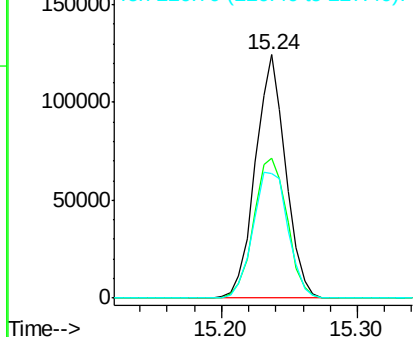


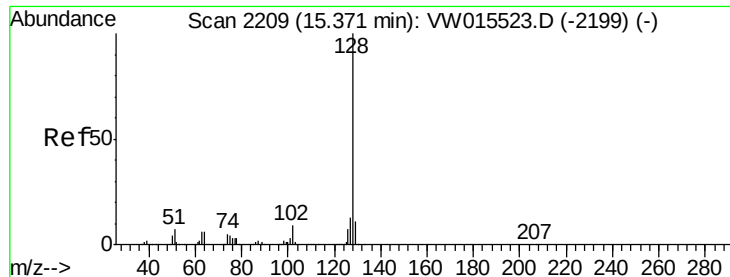
#94
 Hexachlorobutadiene
 Concen: 109.716 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015524.D
 Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	194466		
223	63.3	31.8	95.4	
227	60.1	32.6	97.8	



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





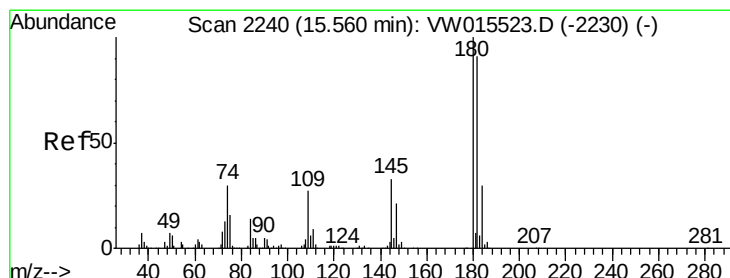
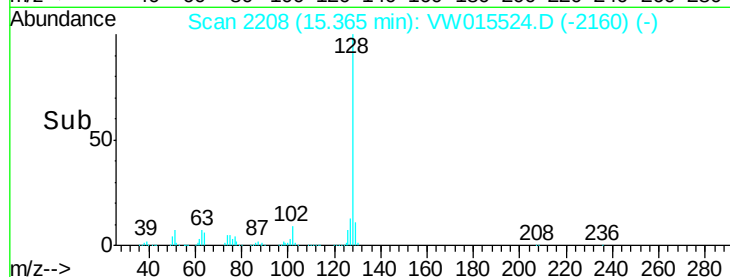
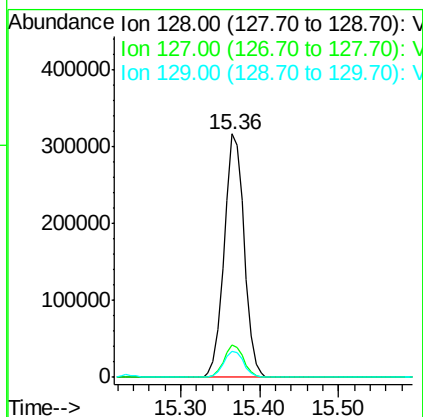
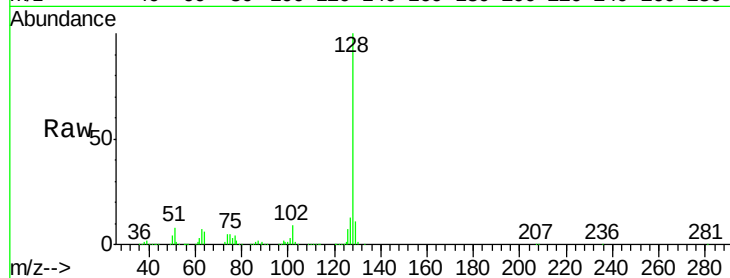
#95
Naphthalene
Concen: 103.217 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 103.879 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015524.D
Acq: 02 Jun 2020 13:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.1	141.4
145	32.6	16.3	48.8

