

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015093.D
 Acq On : 09 Mar 2020 11:02
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:55 PM

Quant Time: Mar 09 18:42:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:33:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	427535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	798598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	711877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	326814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	63578	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	
35) Dibromofluoromethane	7.88	113	46833	9.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.60%	
50) Toluene-d8	10.32	98	192630	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	
62) 4-Bromofluorobenzene	12.62	95	62517	9.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.80%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	25787	9.947	ug/l	91
3) Chloromethane	2.21	50	59522	10.699	ug/l	98
4) Vinyl Chloride	2.36	62	78269	10.747	ug/l	99
5) Bromomethane	2.78	94	45371	10.898	ug/l	96
6) Chloroethane	2.92	64	44308	10.503	ug/l	95
7) Trichlorofluoromethane	3.26	101	37726	10.351	ug/l	98
8) Diethyl Ether	3.68	74	27522	9.910	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	58930	10.607	ug/l	97
10) Methyl Iodide	4.28	142	64487	10.433	ug/l	99
11) Tert butyl alcohol	5.17	59	16931	46.864	ug/l	97
12) 1,1-Dichloroethene	4.04	96	55842	10.280	ug/l	92
13) Acrolein	3.90	56	25841	48.906	ug/l	94
14) Allyl chloride	4.67	41	105002	9.646	ug/l	98
15) Acrylonitrile	5.37	53	67582	47.475	ug/l	99
16) Acetone	4.13	43	71536	49.897	ug/l	93
17) Carbon Disulfide	4.39	76	199738	10.371	ug/l	100
18) Methyl Acetate	4.68	43	33377	9.821	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	66600	9.577	ug/l	95
20) Methylene Chloride	4.92	84	74281	11.192	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	57134	9.906	ug/l	97
22) Diisopropyl ether	6.31	45	202479	9.694	ug/l	93
23) Vinyl Acetate	6.26	43	557517	45.215	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126276	10.367	ug/l	98
25) 2-Butanone	7.17	43	92241	46.932	ug/l	98
26) 2,2-Dichloropropane	7.17	77	74789	10.735	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60025	9.997	ug/l	99
28) Bromochloromethane	7.51	49	61636	10.560	ug/l	99
29) Tetrahydrofuran	7.53	42	55635	45.255	ug/l	98
30) Chloroform	7.67	83	112620	10.419	ug/l	99
31) Cyclohexane	7.95	56	127753	10.198	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	86907	10.297	ug/l	99
36) 1,1-Dichloropropene	8.08	75	91749	9.907	ug/l	98
37) Ethyl Acetate	7.25	43	42804	9.273	ug/l	98
38) Carbon Tetrachloride	8.06	117	76153	10.101	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97866	9.242	ug/l	99
40) Benzene	8.32	78	262628	10.204	ug/l	98
41) Methacrylonitrile	7.49	41	21205	8.687	ug/l	98
42) 1,2-Dichloroethane	8.40	62	79374	10.123	ug/l	100
43) Isopropyl Acetate	8.42	43	76992	9.304	ug/l	99
44) Trichloroethene	9.09	130	55334	10.100	ug/l	97
45) 1,2-Dichloropropane	9.37	63	69873	10.081	ug/l	98
46) Dibromomethane	9.46	93	30659	10.173	ug/l	98
47) Bromodichloromethane	9.64	83	80096	9.954	ug/l	94
48) Methyl methacrylate	9.43	41	32898	8.614	ug/l	97
49) 1,4-Dioxane	9.45	88	8129	176.171	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	212328	46.455	ug/l	99
52) Toluene	10.38	92	145256	9.824	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74402	9.399	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	91699	9.509	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	40970	9.921	ug/l	99
56) Ethyl methacrylate	10.65	69	44891	8.425	ug/l	95
57) 1,3-Dichloropropane	10.93	76	75199	9.565	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	142414	45.551	ug/l	100
59) 2-Hexanone	10.97	43	120045	42.049	ug/l	96
60) Dibromochloromethane	11.13	129	41670	9.770	ug/l	99
61) 1,2-Dibromoethane	11.23	107	35625	9.731	ug/l	98
64) Tetrachloroethene	10.86	164	40701	9.907	ug/l	96
65) Chlorobenzene	11.65	112	142590	9.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47809	10.048	ug/l	98
67) Ethyl Benzene	11.73	91	267319	9.614	ug/l	96
68) m/p-Xylenes	11.84	106	187697	19.095	ug/l	100
69) o-Xylene	12.16	106	82421	9.308	ug/l	99
70) Styrene	12.18	104	137963	9.093	ug/l	99
71) Bromoform	12.35	173	20808	9.854	ug/l #	95
73) Isopropylbenzene	12.46	105	228572	9.156	ug/l	99
74) N-amyl acetate	12.27	43	60889	8.253	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	49067	9.679	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38212m	6.309	ug/l	
77) Bromobenzene	12.74	156	46364	9.396	ug/l	95
78) n-propylbenzene	12.80	91	302383	9.320	ug/l	98
79) 2-Chlorotoluene	12.89	91	171918	9.425	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	201123	9.370	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14545	8.894	ug/l	93
82) 4-Chlorotoluene	12.99	91	189055	9.732	ug/l	99
83) tert-Butylbenzene	13.21	119	157231	9.042	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	201367	9.382	ug/l	99
85) sec-Butylbenzene	13.38	105	244722	9.299	ug/l	100
86) p-Isopropyltoluene	13.49	119	207344	9.166	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	103484	9.898	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	103845	10.087	ug/l	97
89) n-Butylbenzene	13.82	91	221695	9.087	ug/l	97
90) Hexachloroethane	14.09	117	44697	9.852	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	90565	9.891	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7565	9.293	ug/l	97

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ClientSampleId :
VSTDICC010

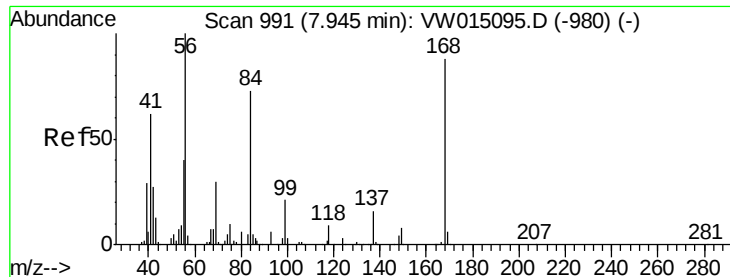
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	47027	8.975	ug/l	99
94) Hexachlorobutadiene	15.23	225	32748	9.954	ug/l	98
95) Naphthalene	15.36	128	75840	7.751	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	43399	9.338	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 427535

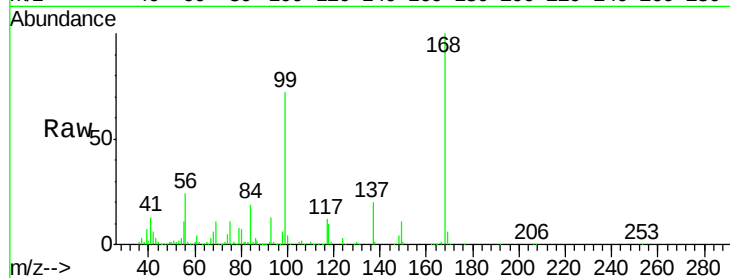
Ion Ratio Lower Upper

168 100

99 71.8 57.2 85.8

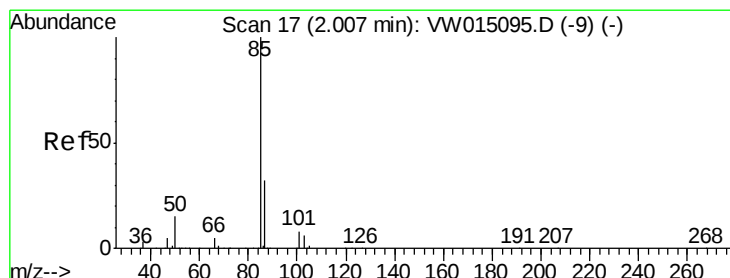
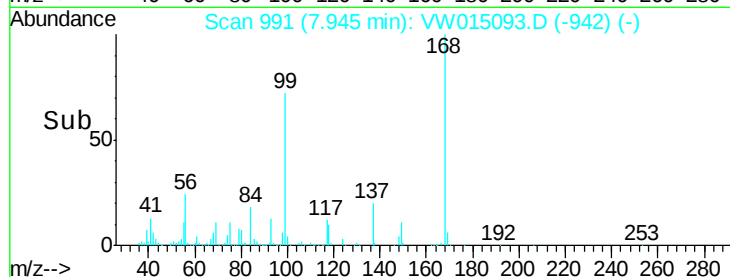
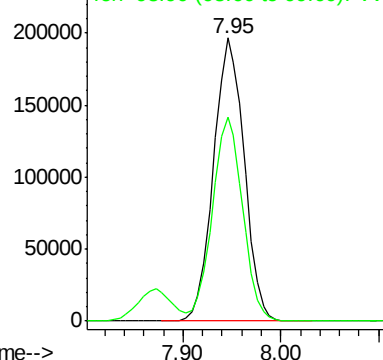
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 9.947 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015093.D

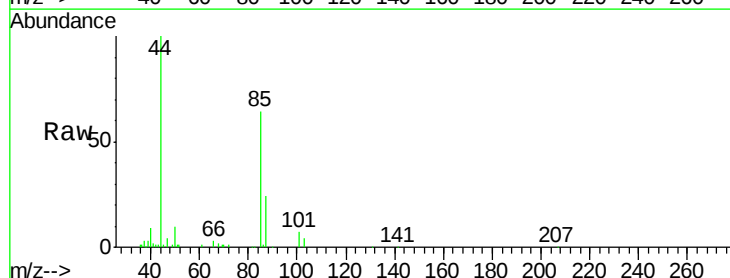
Acq: 09 Mar 2020 11:02

Tgt Ion: 85 Resp: 25787

Ion Ratio Lower Upper

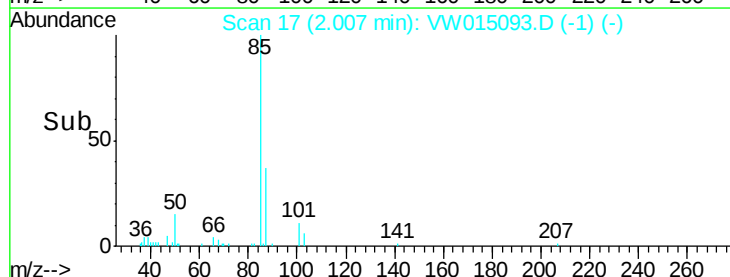
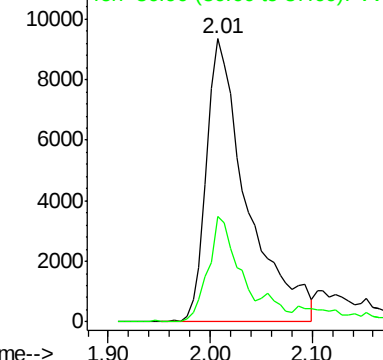
85 100

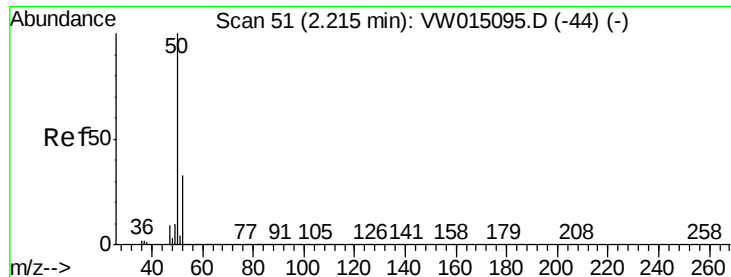
87 37.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 10.699 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 59522

Ion Ratio Lower Upper

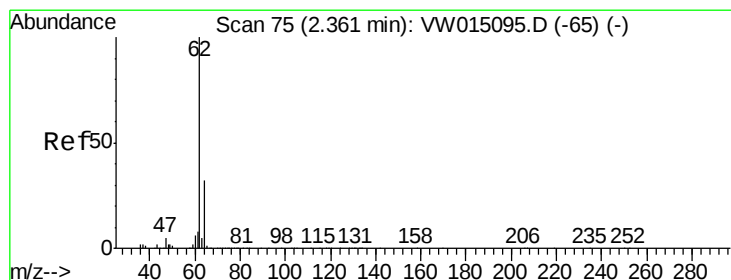
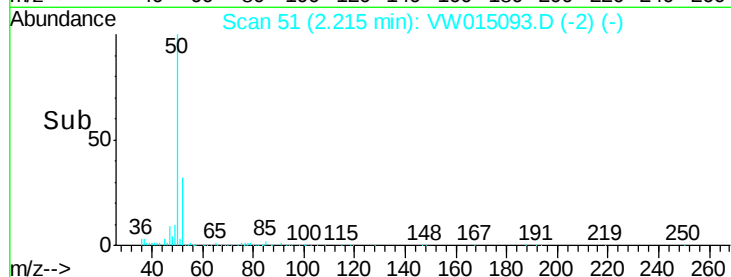
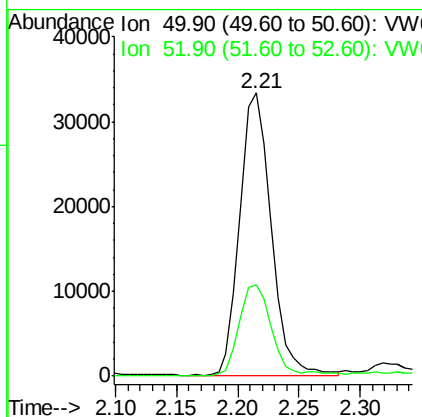
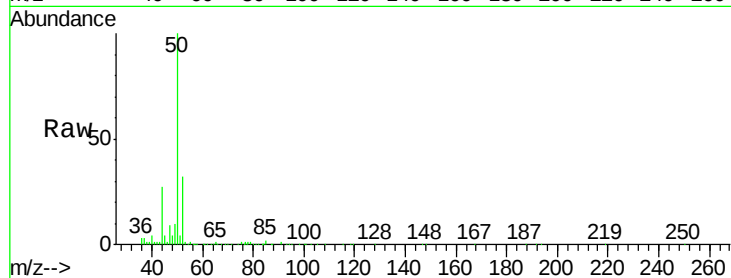
50 100

52 32.1 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 10.747 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015093.D

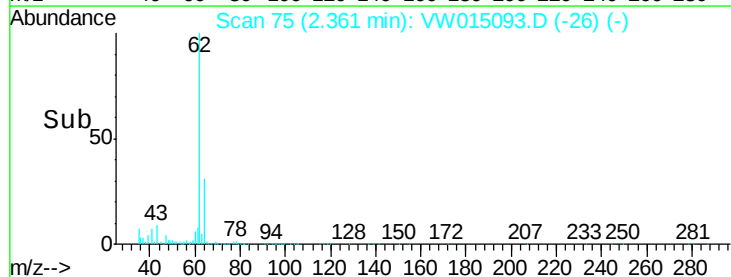
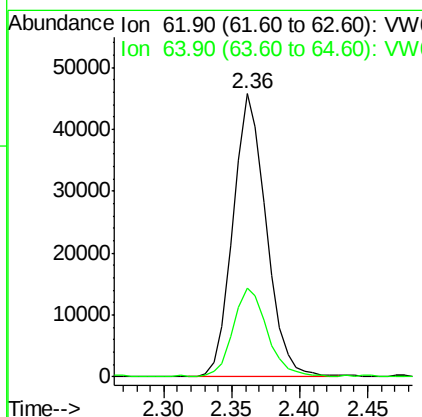
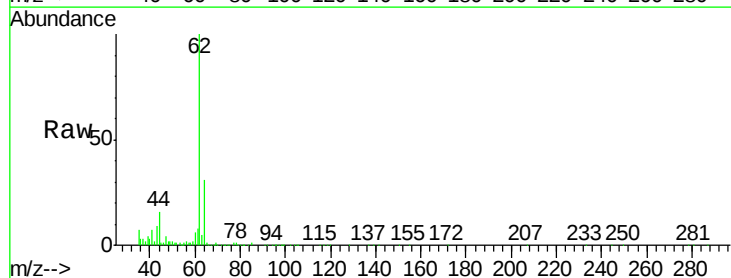
Acq: 09 Mar 2020 11:02

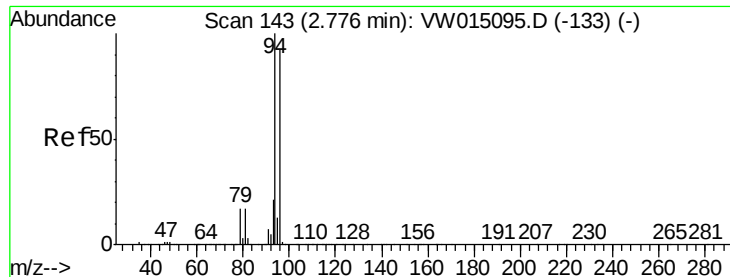
Tgt Ion: 62 Resp: 78269

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 10.898 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 45371

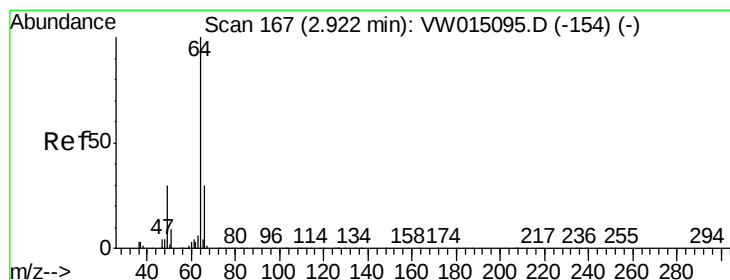
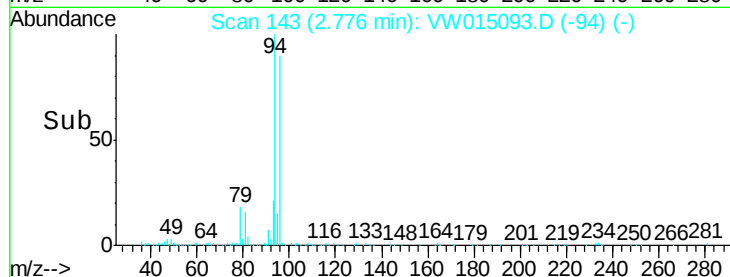
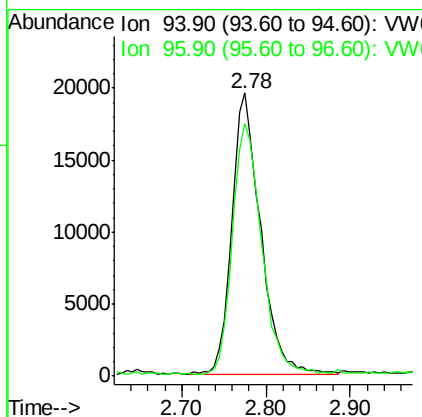
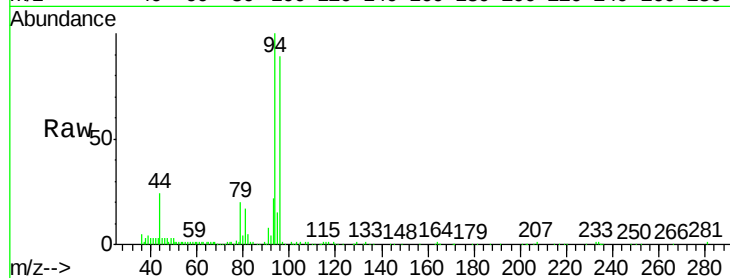
Ion Ratio Lower Upper

94 100

96 88.9 74.0 111.0

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 10.503 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015093.D

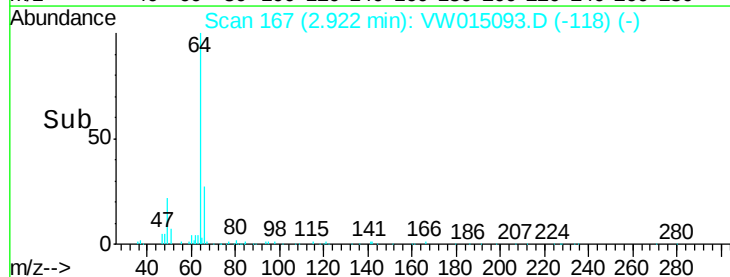
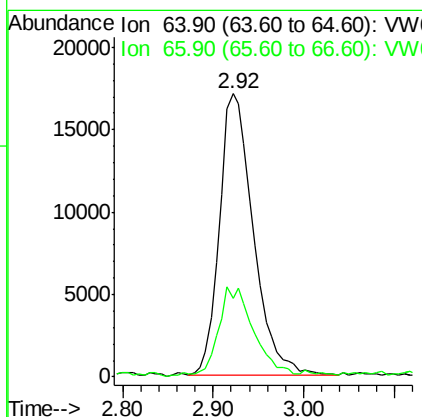
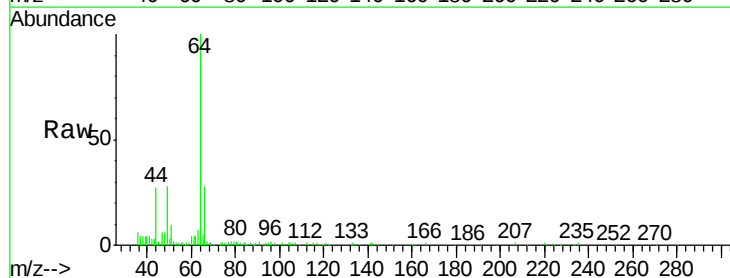
Acq: 09 Mar 2020 11:02

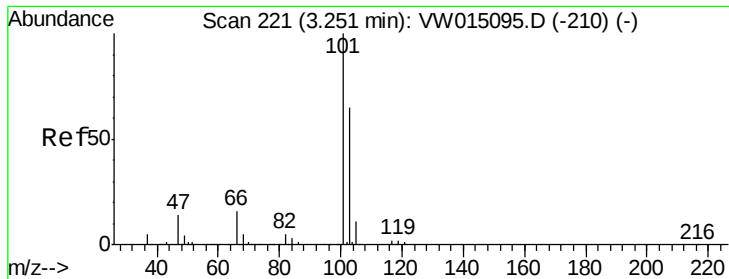
Tgt Ion: 64 Resp: 44308

Ion Ratio Lower Upper

64 100

66 27.4 24.2 36.2





#7

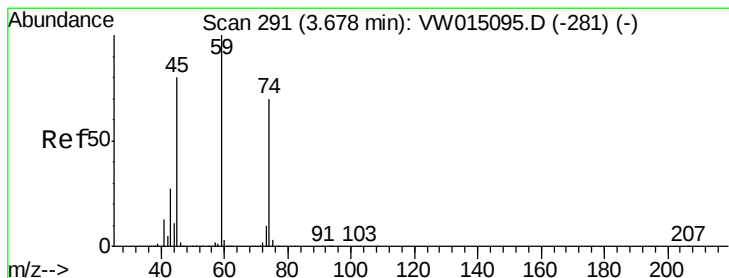
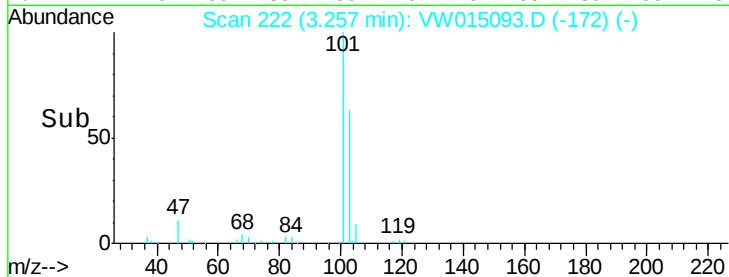
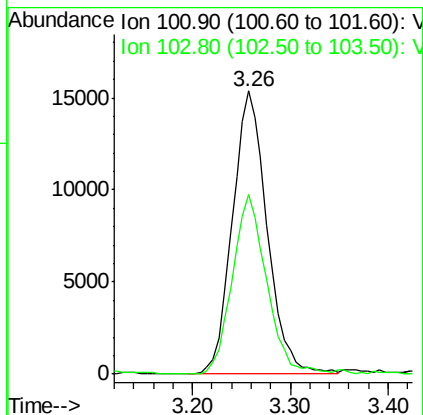
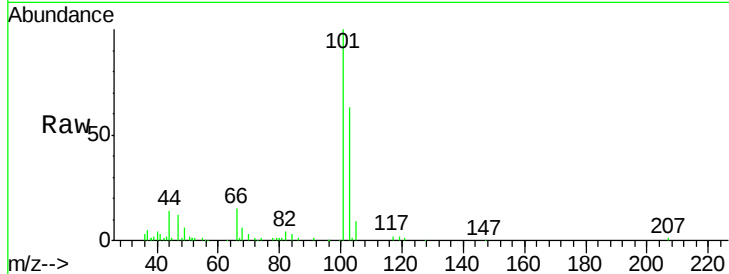
Trichlorofluoromethane
Concen: 10.351 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW015093.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6

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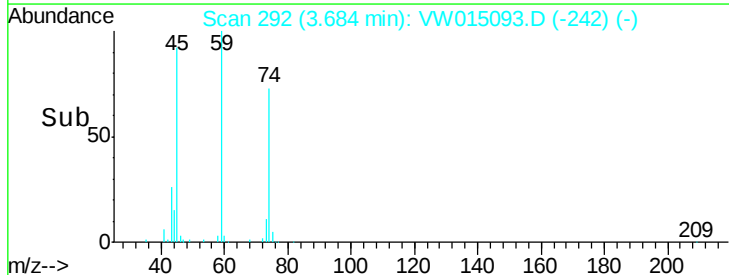
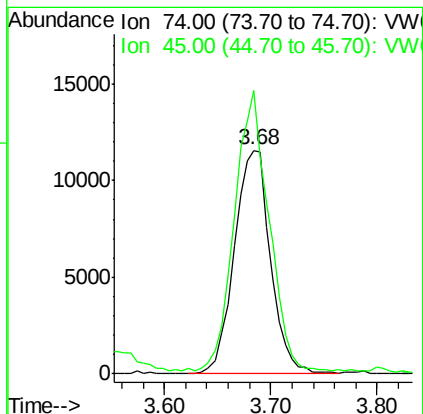
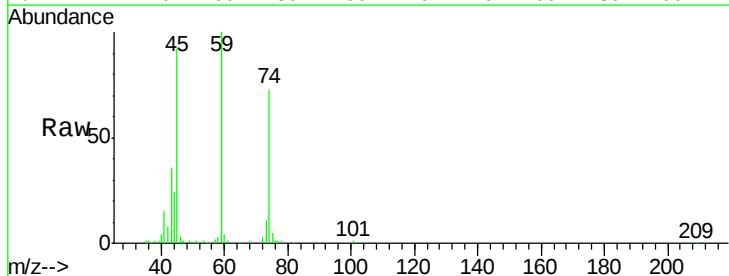
MMDadoda
3/11/2020 3:23:55 PM

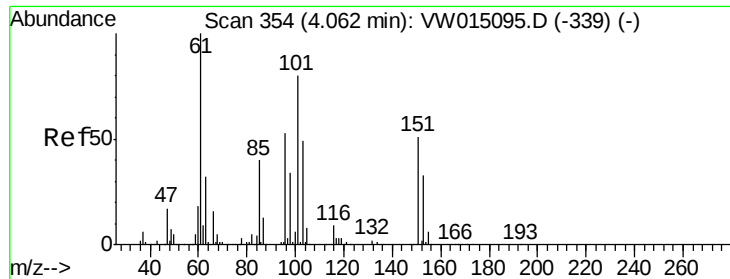


#8

Diethyl Ether
Concen: 9.910 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.7	59.2	177.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.607 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

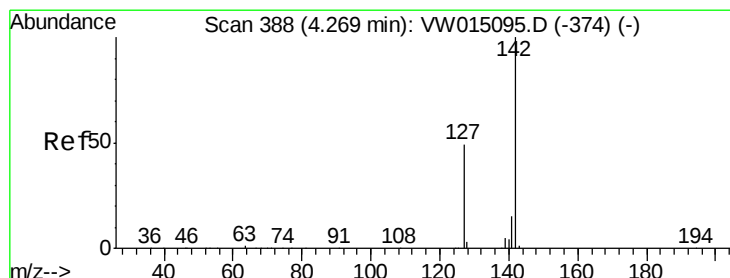
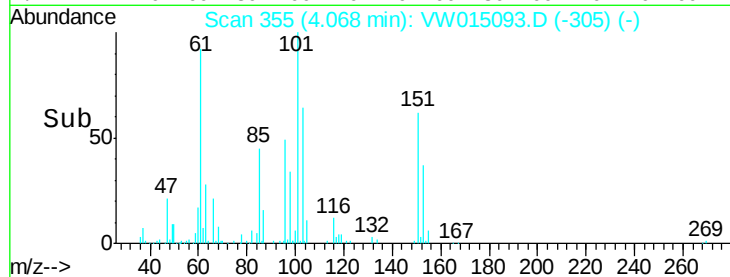
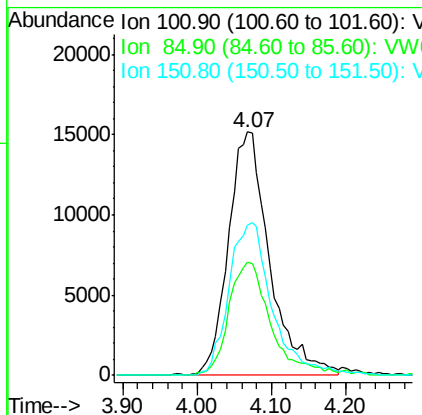
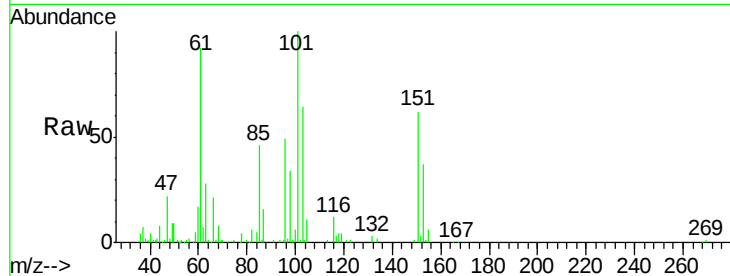
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	58930
Ion Ratio	Lower	Upper	
101	100		
85	47.1	39.0	58.4
151	65.7	50.8	76.2

Manual Integrations
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#10

Methyl Iodide

Concen: 10.433 ug/l

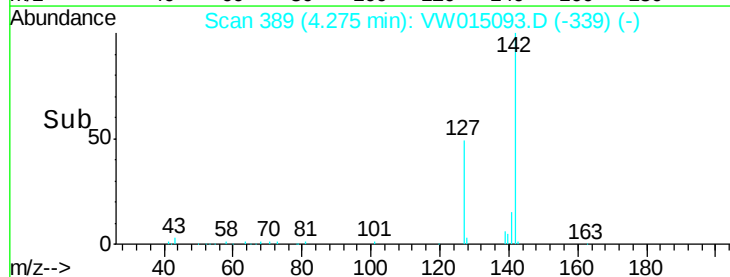
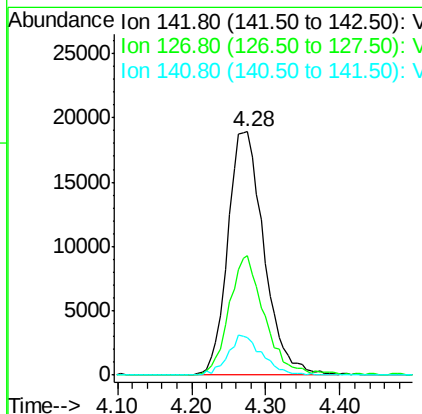
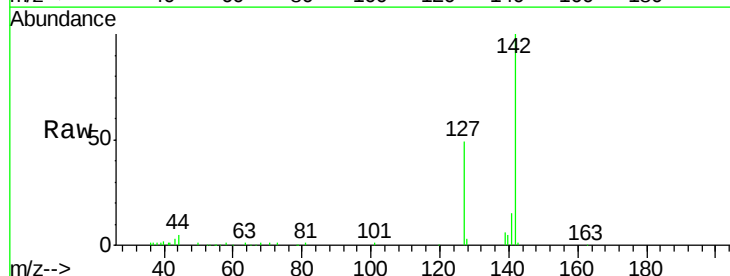
RT: 4.28 min Scan# 389

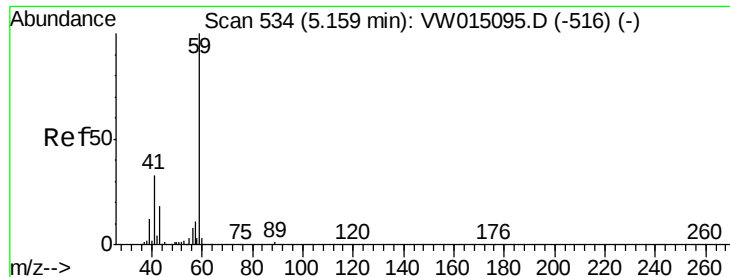
Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Tgt Ion:	142	Resp:	64487
Ion Ratio	Lower	Upper	
142	100		
127	47.3	38.2	57.4
141	15.5	12.0	18.0





#11

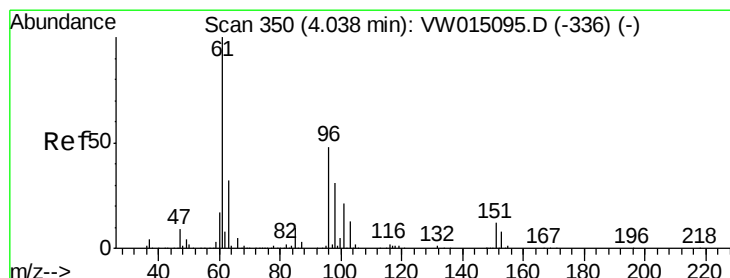
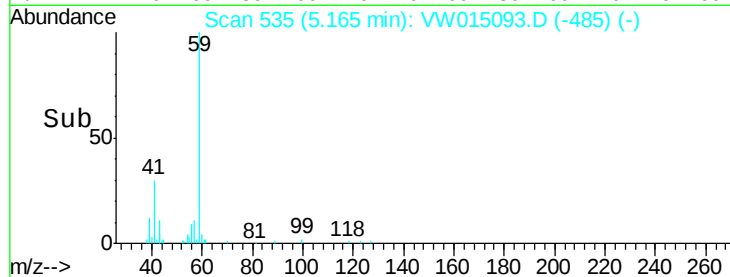
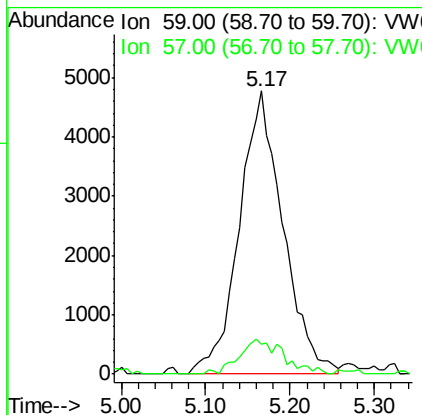
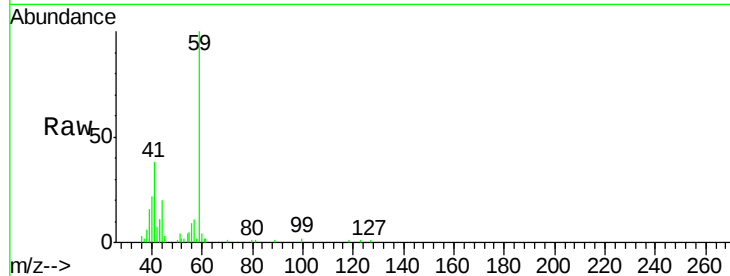
Tert butyl alcohol
 Concen: 46.864 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.5	9.1	13.7

Manual Integrations
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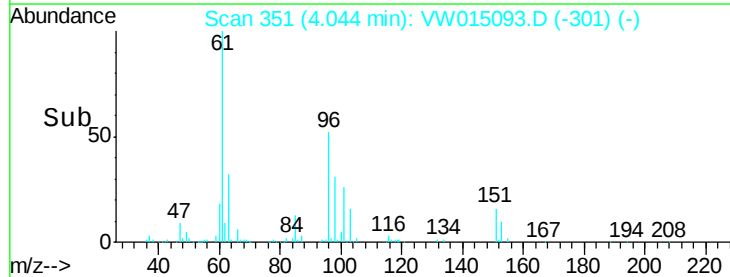
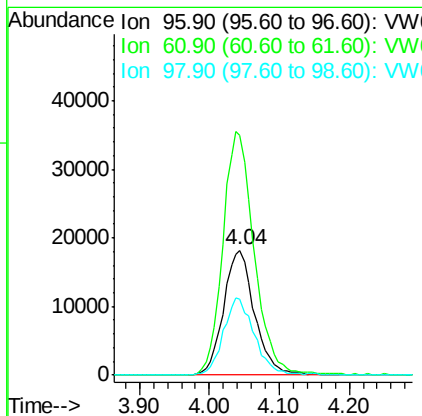
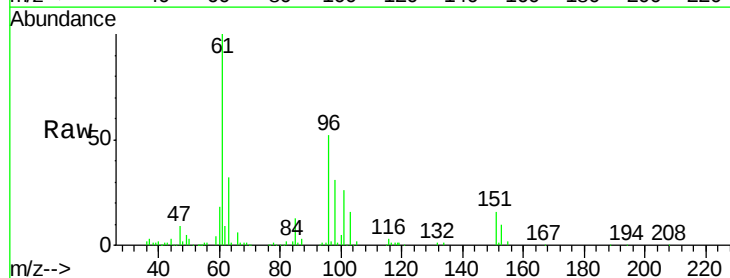
MMDadoda
 3/11/2020 3:23:55 PM

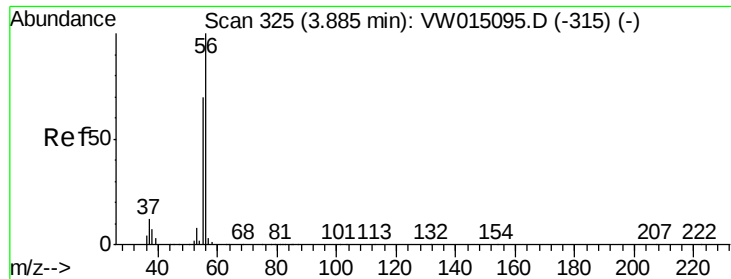


#12

1,1-Dichloroethene
 Concen: 10.280 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.4	165.5	248.3
98	60.6	51.1	76.7





#13

Acrolein

Concen: 48.906 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 25841

Ion Ratio Lower Upper

56 100

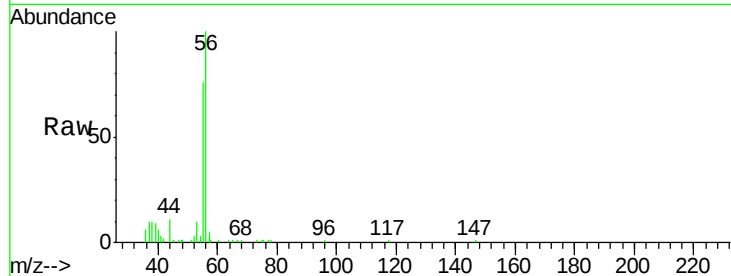
55 74.3 55.4 83.2

Manual Integrations

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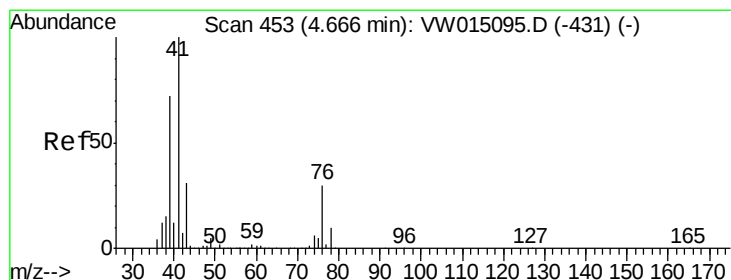
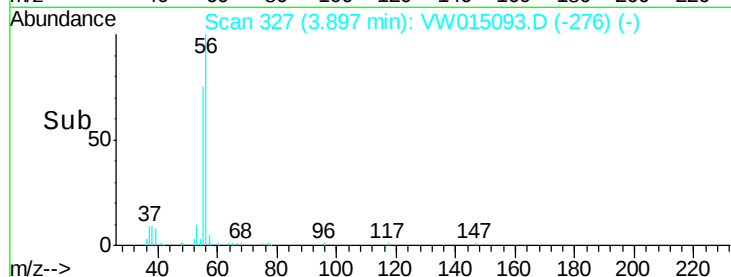
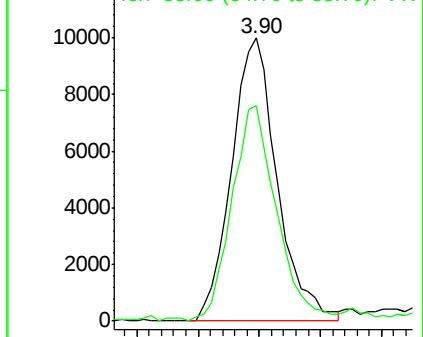
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 9.646 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

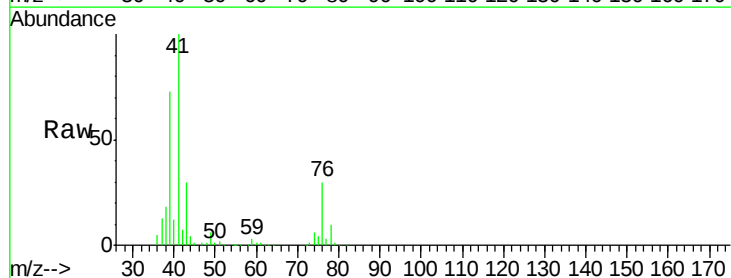
Tgt Ion: 41 Resp: 105002

Ion Ratio Lower Upper

41 100

39 73.4 56.9 85.3

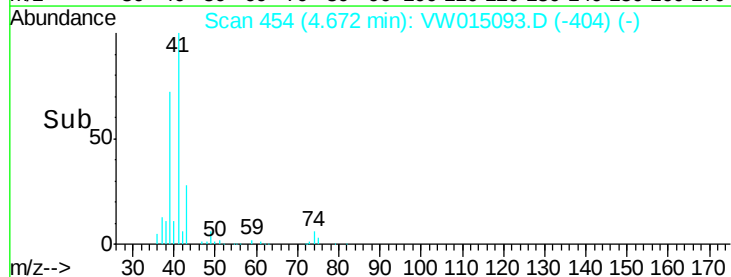
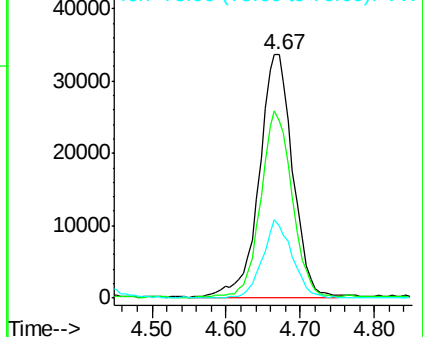
76 28.7 23.2 34.8

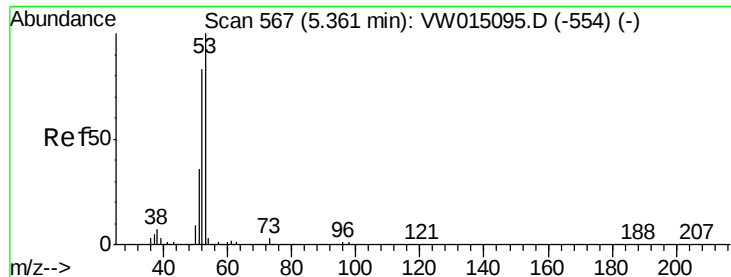


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 47.475 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

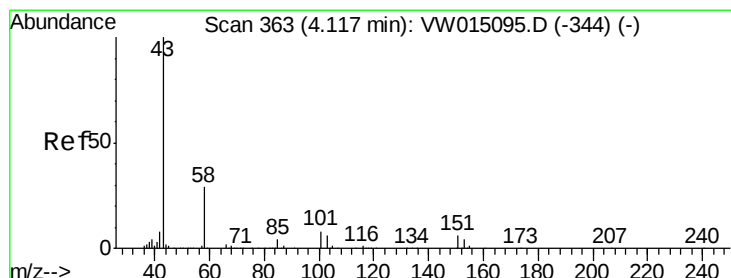
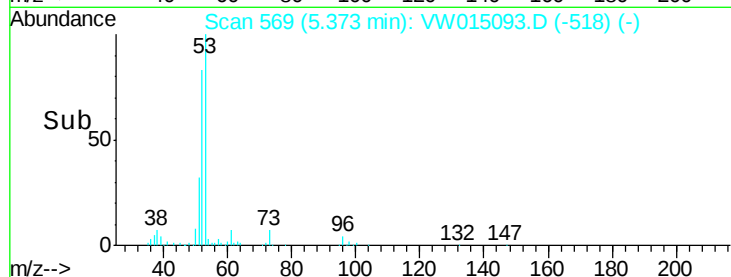
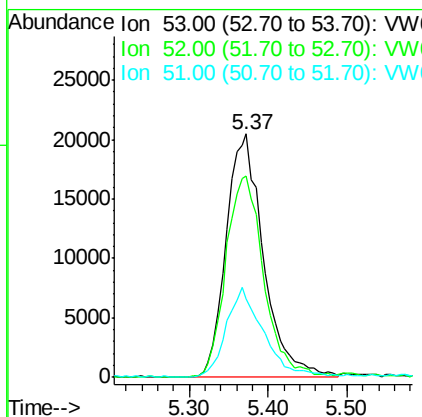
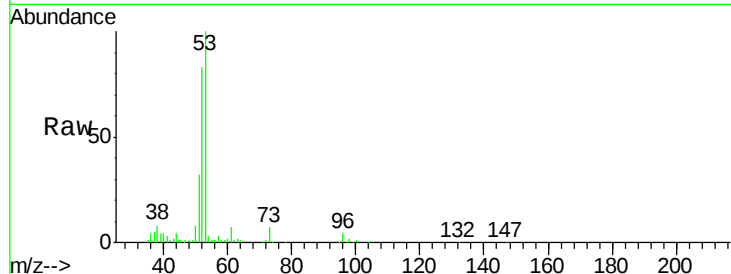
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	67582
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.2	100.8
51	37.7	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 49.897 ug/l

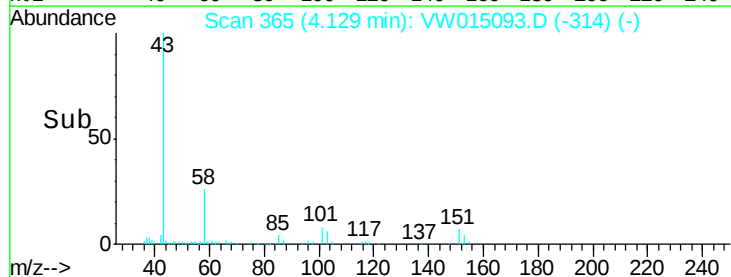
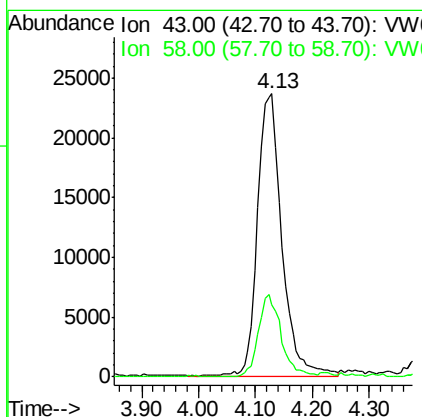
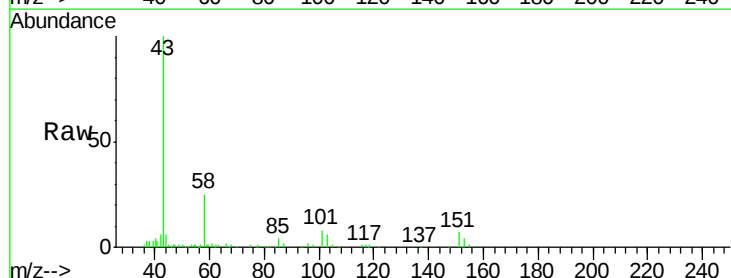
RT: 4.13 min Scan# 365

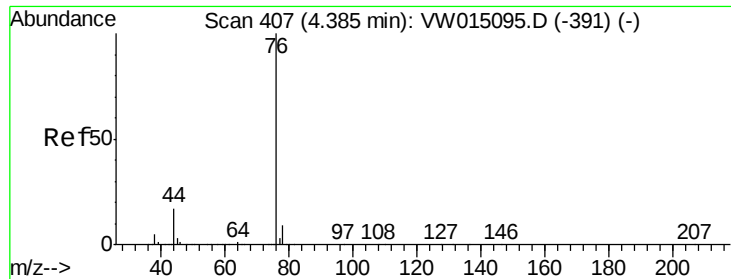
Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Tgt Ion:	43	Resp:	71536
Ion	Ratio	Lower	Upper
43	100		
58	24.9	22.9	34.3





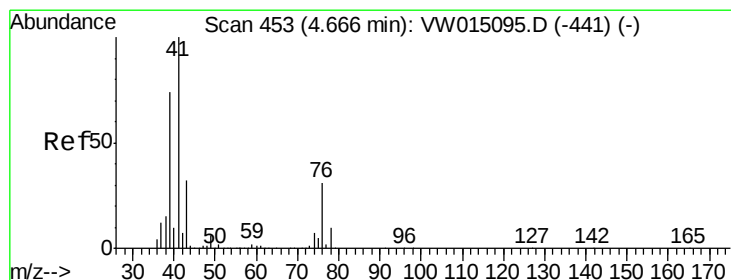
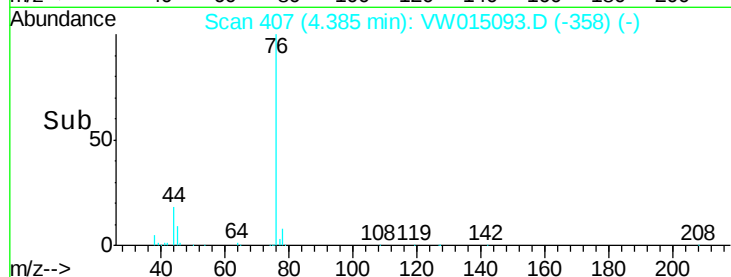
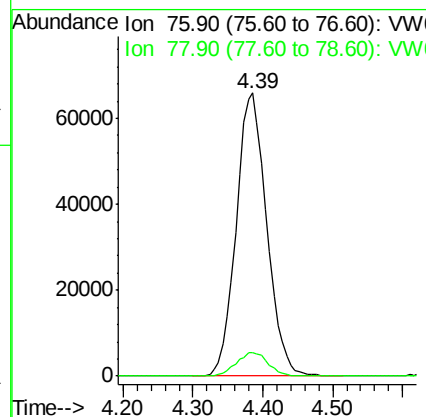
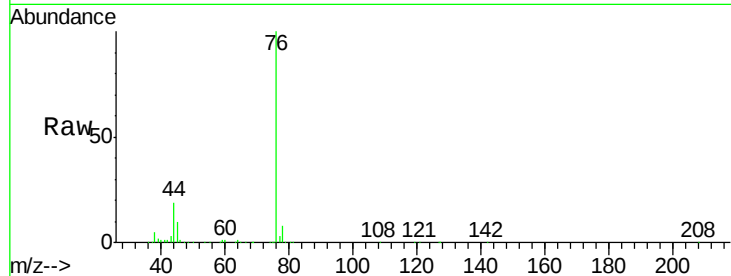
#17
Carbon Disulfide
Concen: 10.371 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.9	10.3

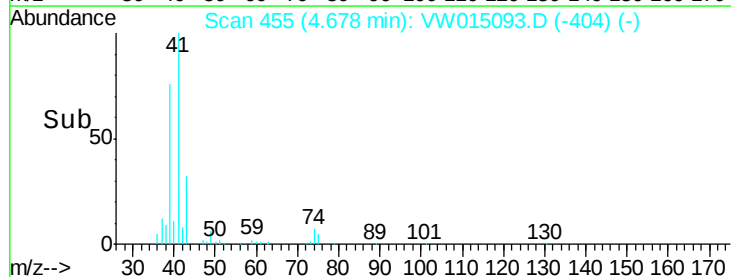
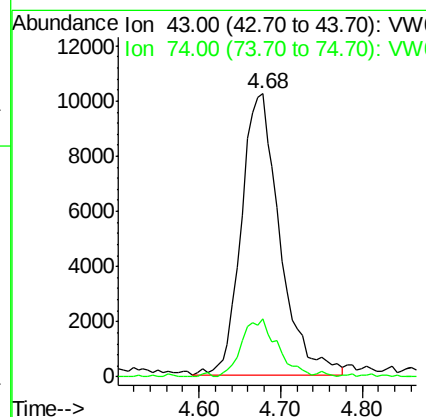
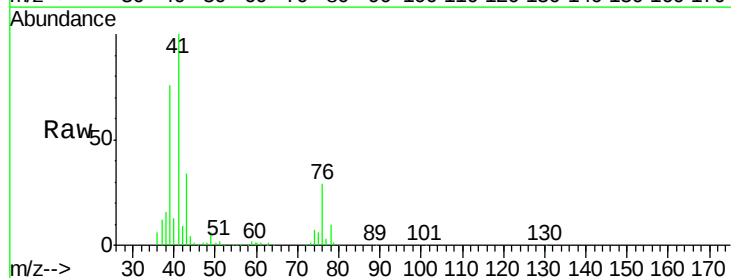
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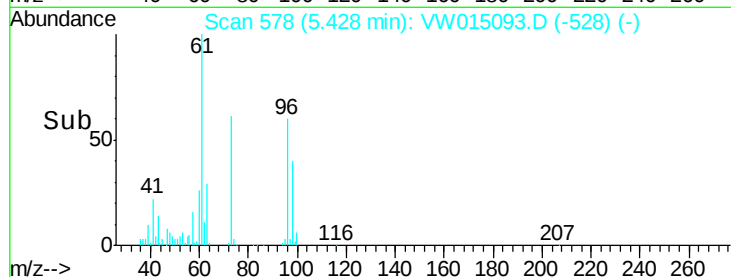
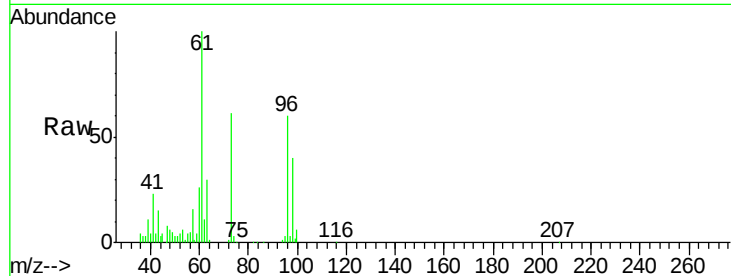
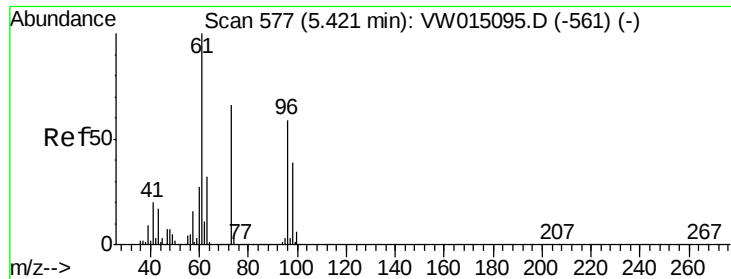
MMDadoda
3/11/2020 3:23:55 PM



#18
Methyl Acetate
Concen: 9.821 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.8	23.6





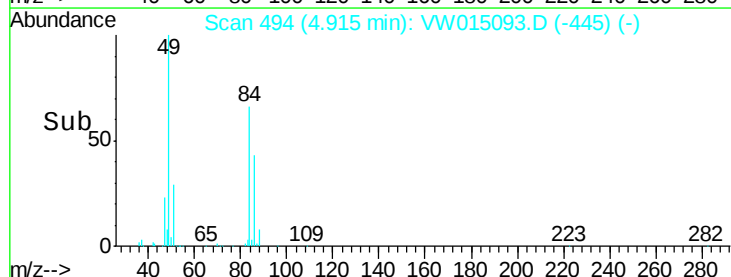
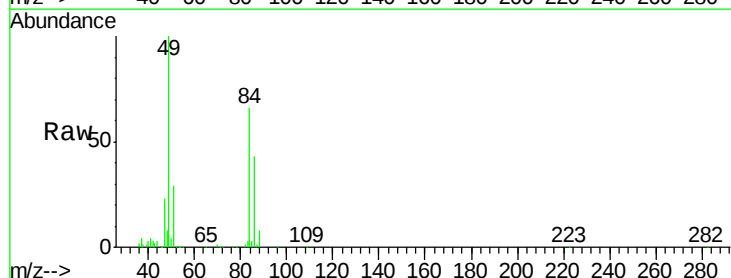
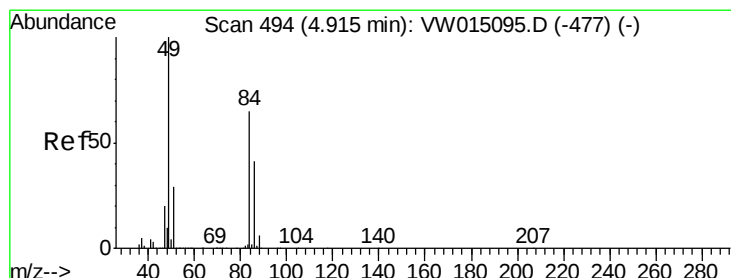
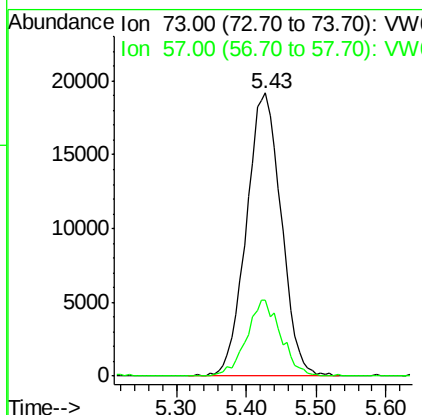
#19
Methvl tert-butvl Ether
Concen: 9.577 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tot Ion: 73 Resp: 66600
Ion Ratio Lower Upper
73 100
57 26.8 19.3 28.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

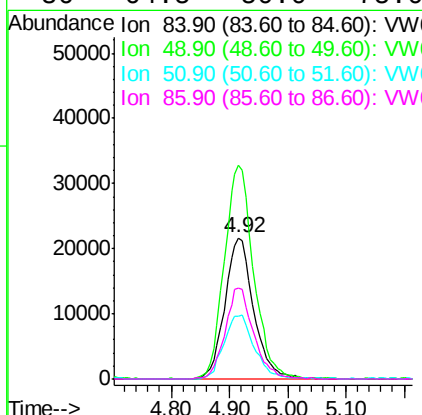
Manual Integrations
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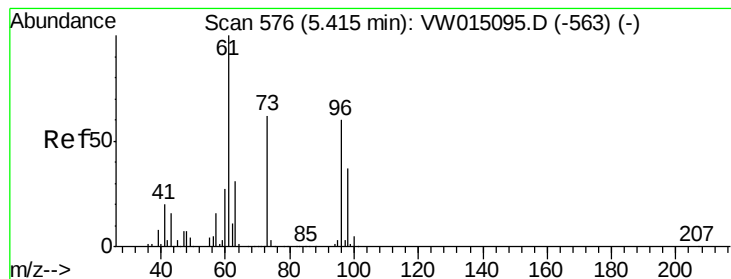
MMDadoda
3/11/2020 3:23:55 PM



#20
Methylene Chloride
Concen: 11.192 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion: 84 Resp: 74281
Ion Ratio Lower Upper
84 100
49 151.6 122.8 184.2
51 44.6 35.9 53.9
86 64.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 9.906 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

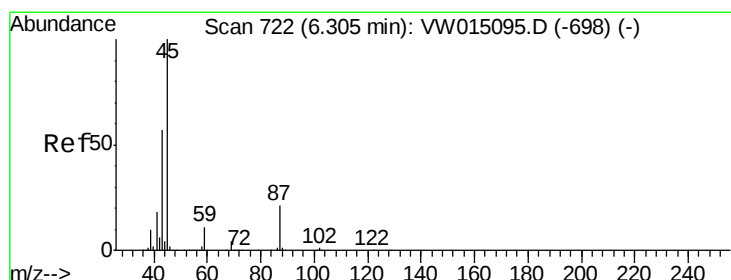
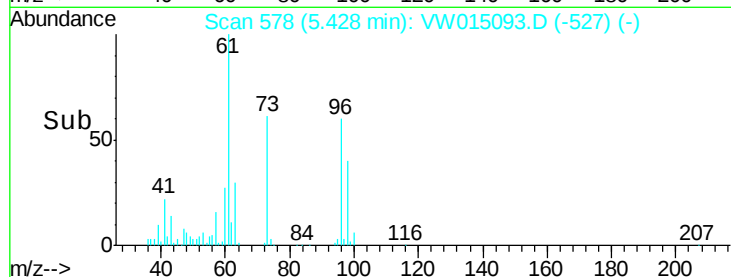
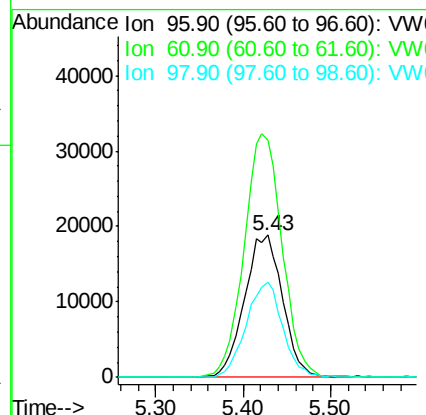
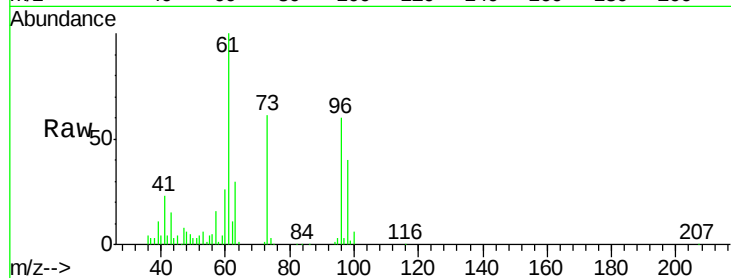
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	57134
Ion	Ratio	Lower	Upper
96	100		
61	167.0	132.5	198.7
98	66.9	48.9	73.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 9.694 ug/l

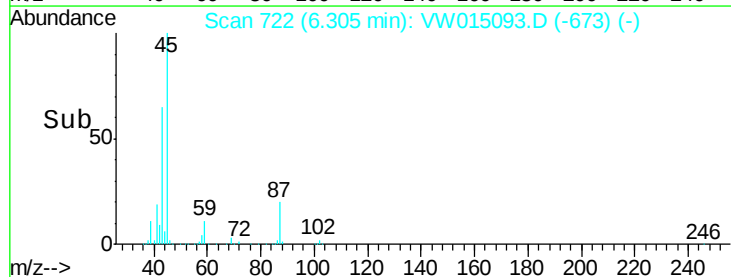
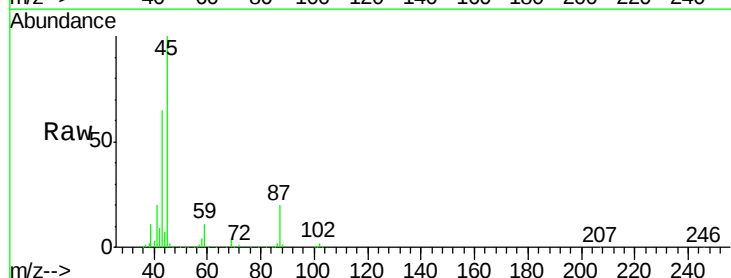
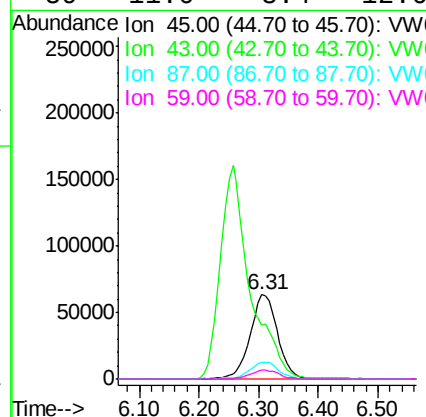
RT: 6.31 min Scan# 722

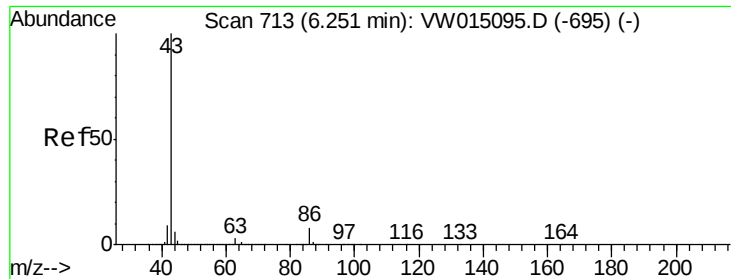
Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Tgt Ion:	45	Resp:	202479
Ion	Ratio	Lower	Upper
45	100		
43	64.4	45.4	68.0
87	20.2	16.4	24.6
59	11.0	8.4	12.6





#23

Vinyl Acetate

Concen: 45.215 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 557517

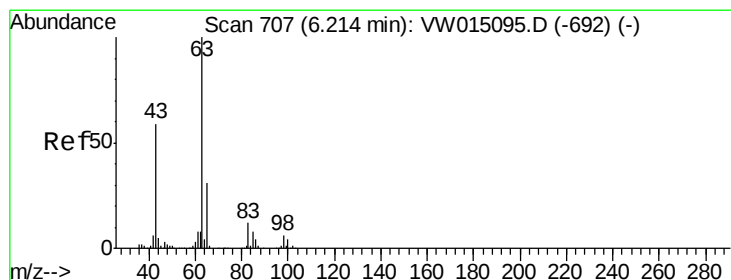
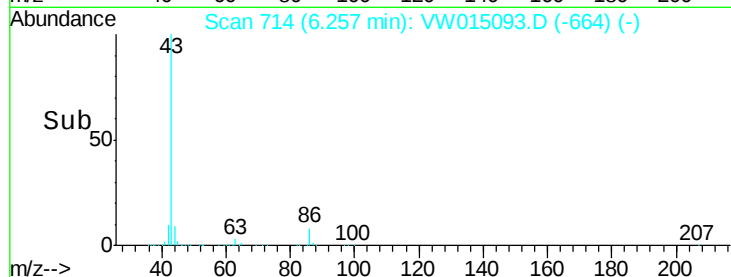
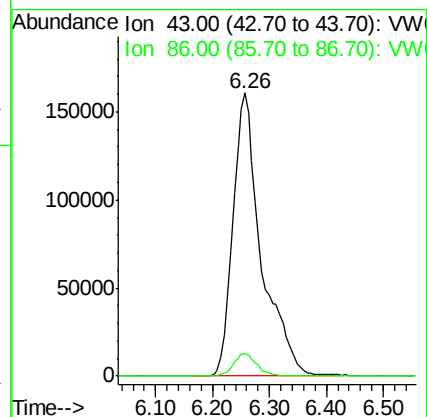
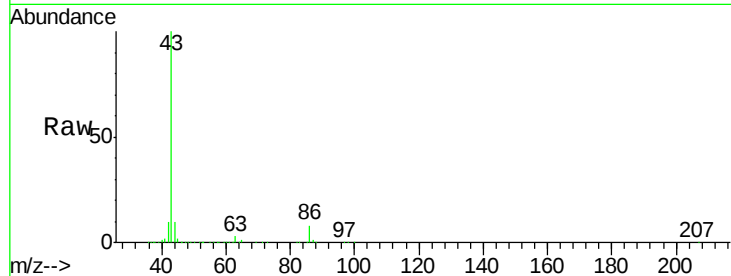
Ion Ratio Lower Upper

43 100

86 8.0 6.3 9.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.367 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

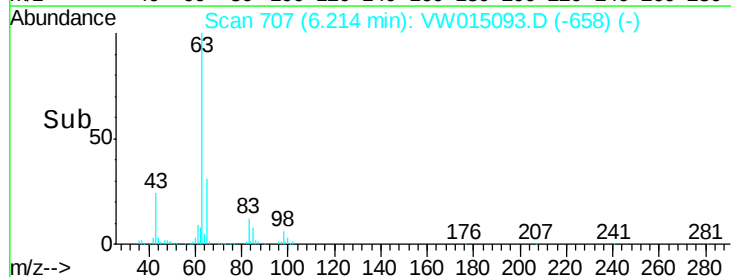
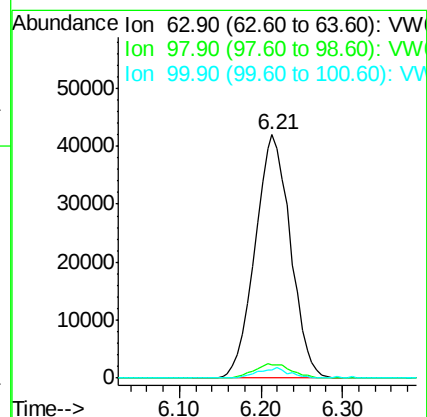
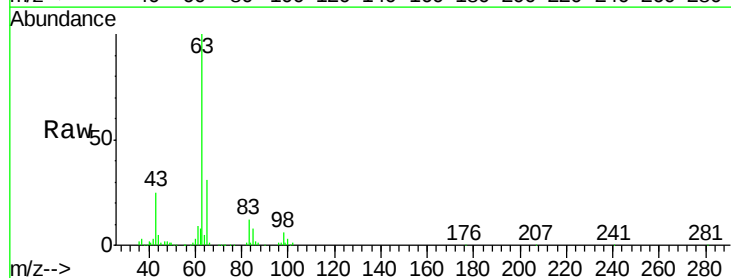
Tgt Ion: 63 Resp: 126276

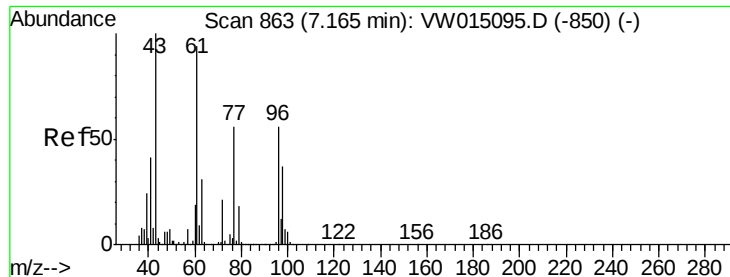
Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.8

100 3.3 2.1 6.3





#25

2-Butanone

Concen: 46.932 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 92241

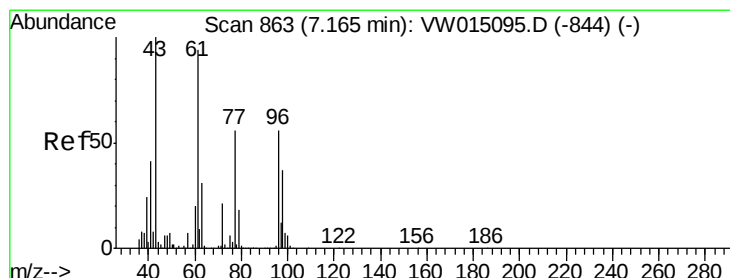
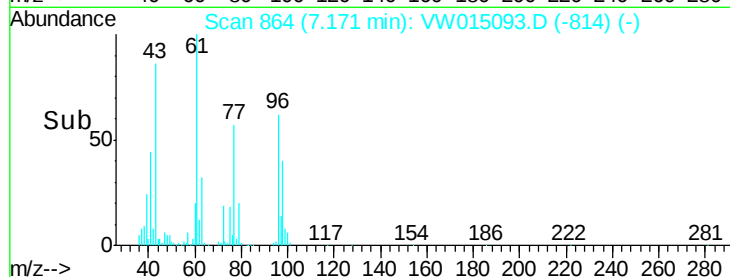
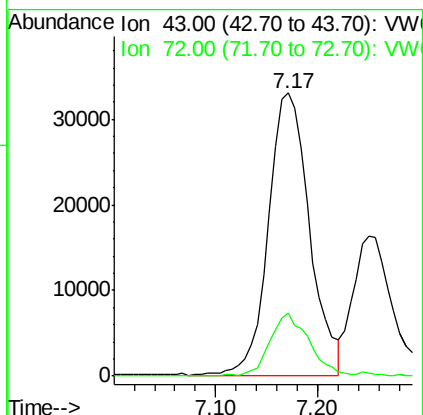
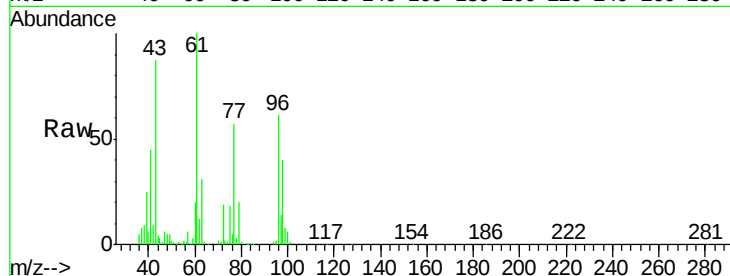
Ion Ratio Lower Upper

43 100

72 22.3 17.0 25.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 10.735 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015093.D

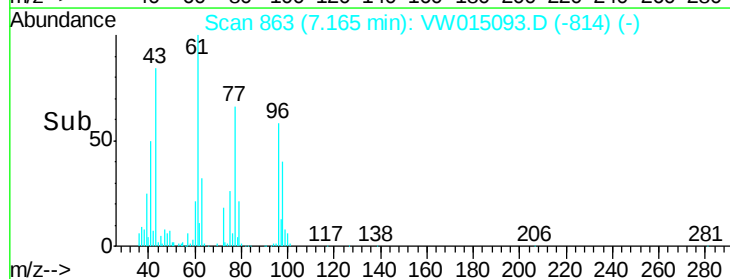
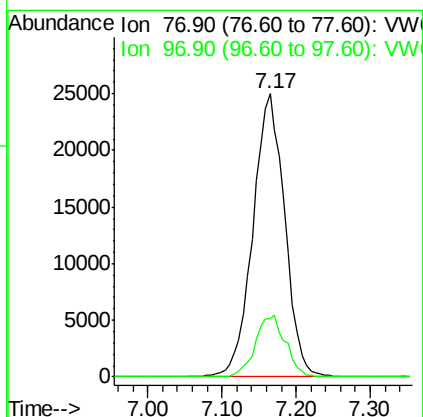
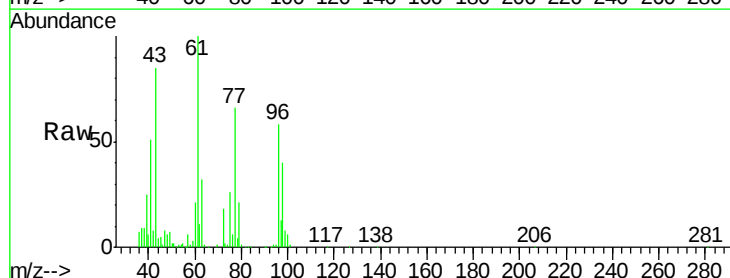
Acq: 09 Mar 2020 11:02

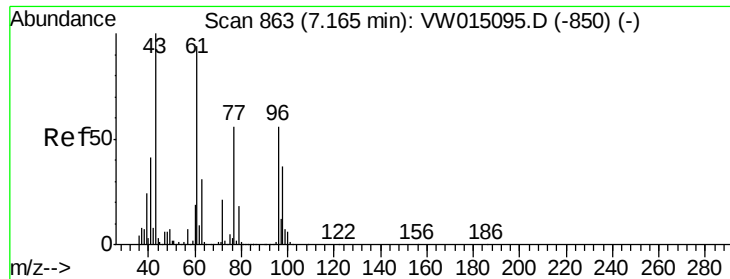
Tgt Ion: 77 Resp: 74789

Ion Ratio Lower Upper

77 100

97 20.7 10.6 31.8





#27

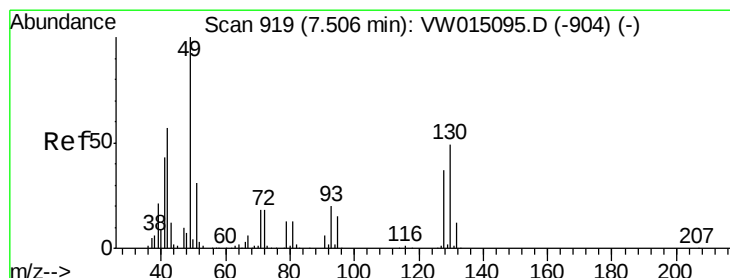
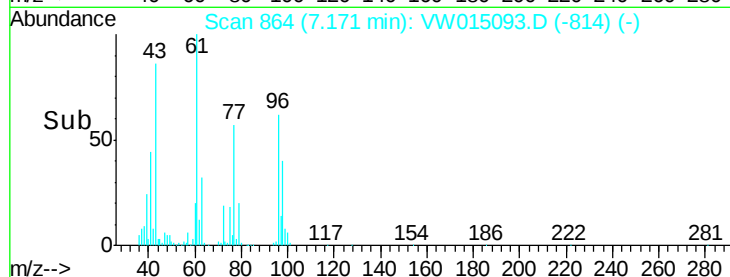
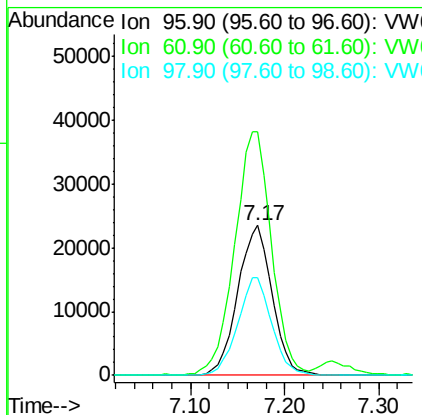
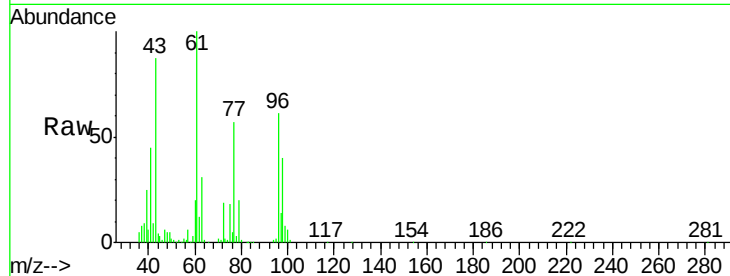
cis-1,2-Dichloroethene
 Concen: 9.997 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	173.4	0.0	343.4		
98	64.0	0.0	127.6		

Manual Integrations
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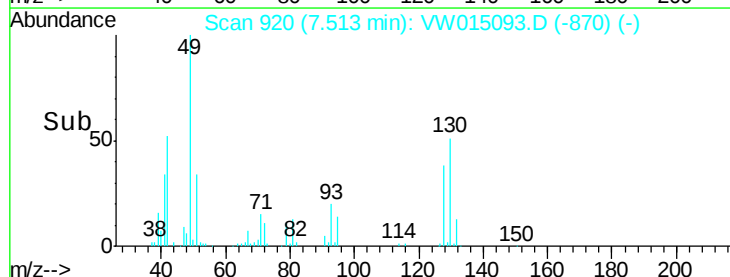
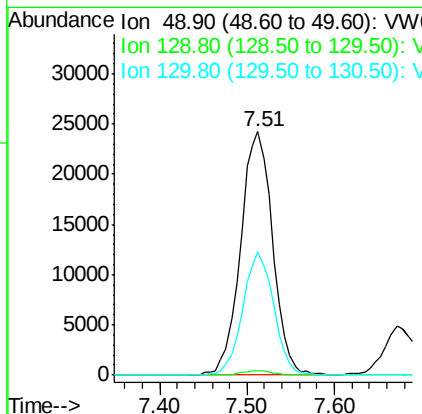
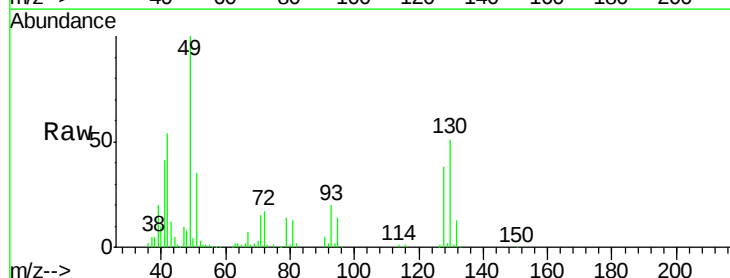
MMDadoda
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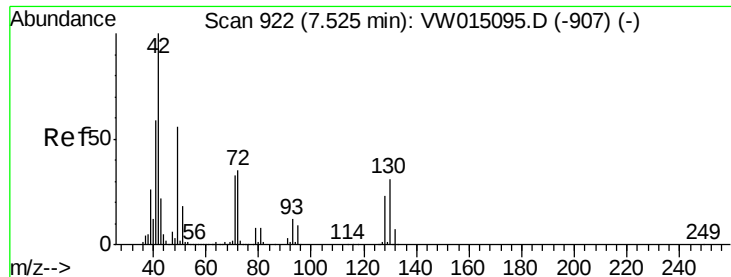


#28

Bromochloromethane
 Concen: 10.560 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.6	0.0	3.0		
130	48.7	39.8	59.6		





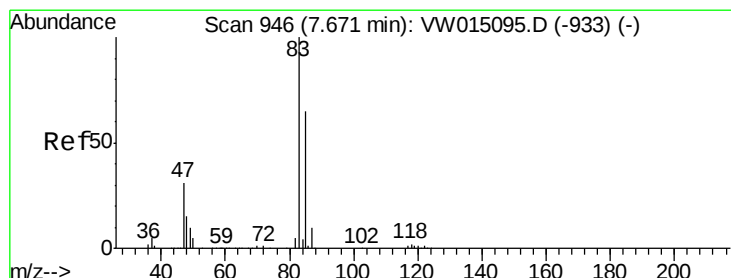
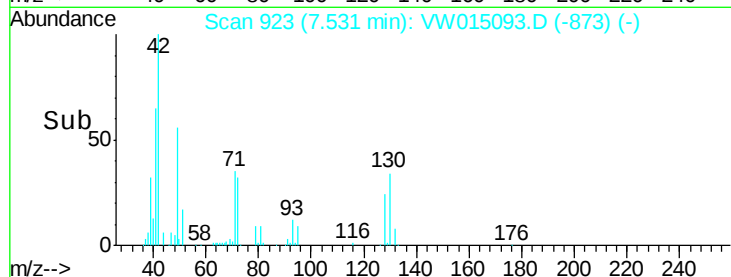
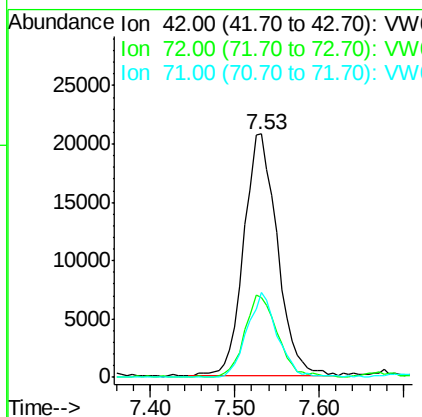
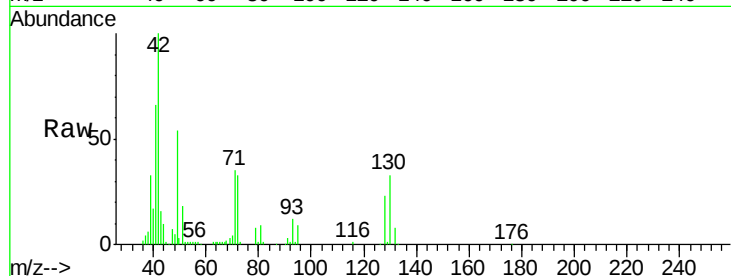
#29
Tetrahydrofuran
Concen: 45.255 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.8	41.6
71	31.6	26.4	39.6

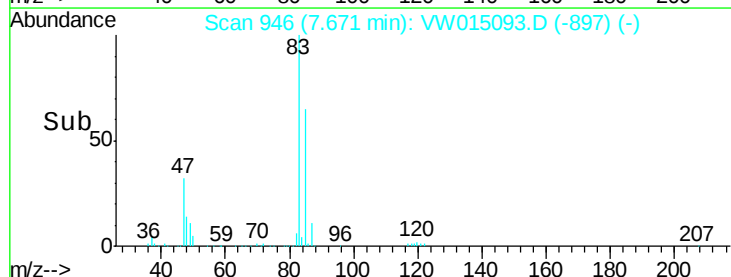
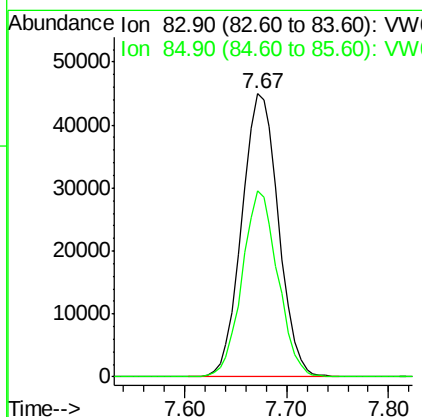
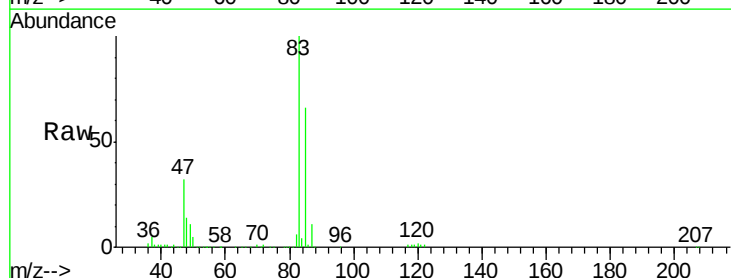
Manual Integrations
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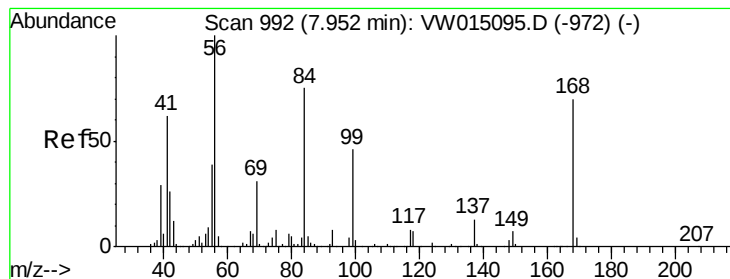
MMDadoda
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#30
Chloroform
Concen: 10.419 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.9	77.9





#31

Cyclohexane

Concen: 10.198 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

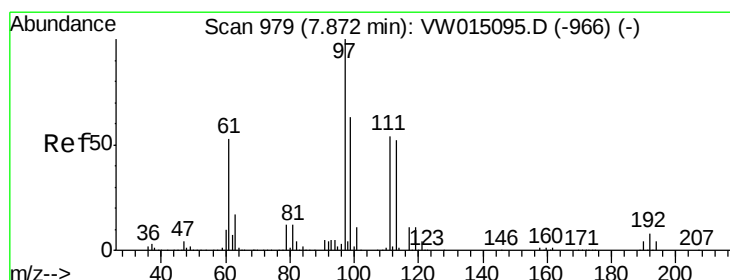
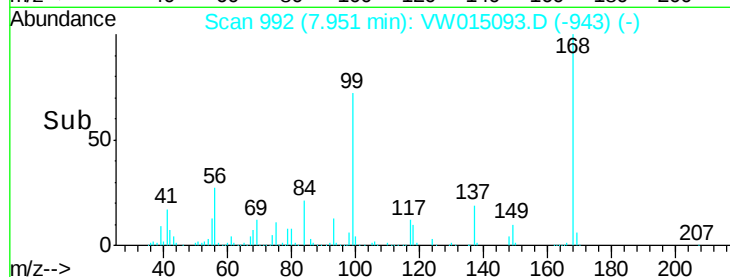
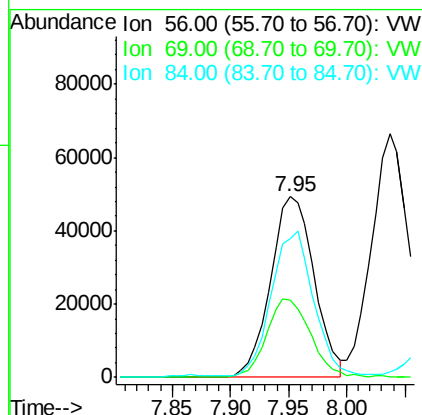
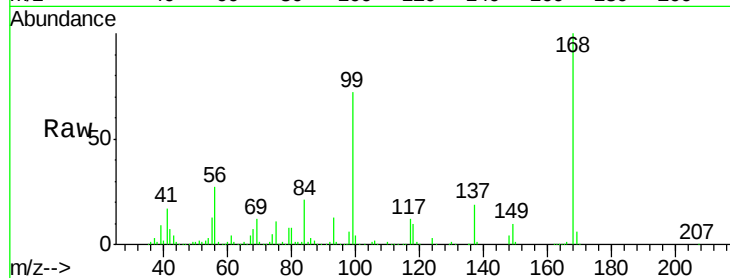
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	127753
Ion Ratio	Lower	Upper	
56	100		
69	42.6	24.6	37.0#
84	75.2	59.9	89.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 10.297 ug/l

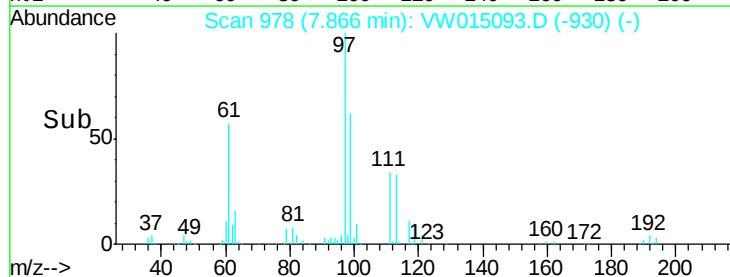
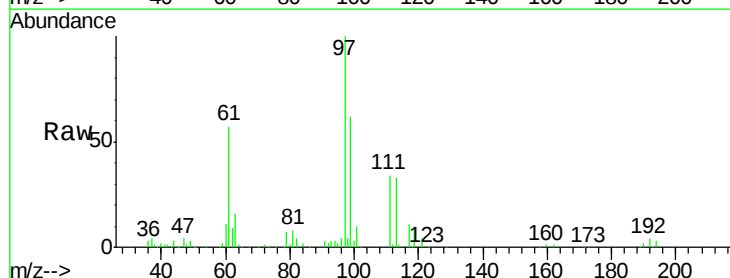
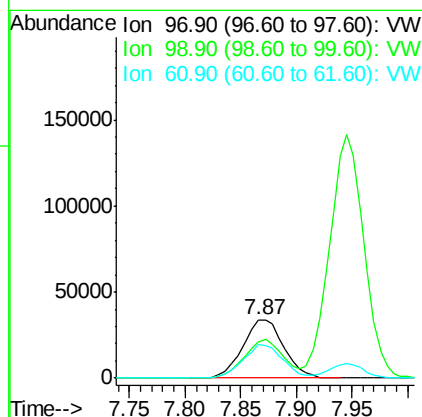
RT: 7.87 min Scan# 978

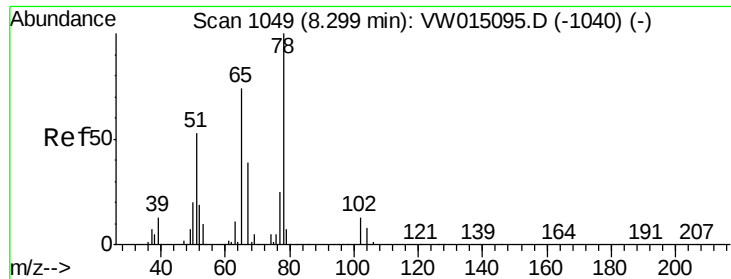
Delta R.T. -0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Tgt Ion:	97	Resp:	86907
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.3	76.9
61	56.1	44.0	66.0





#33

1,2-Dichloroethane-d4

Concen: 10.113 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 63578

Ion Ratio Lower Upper

65 100

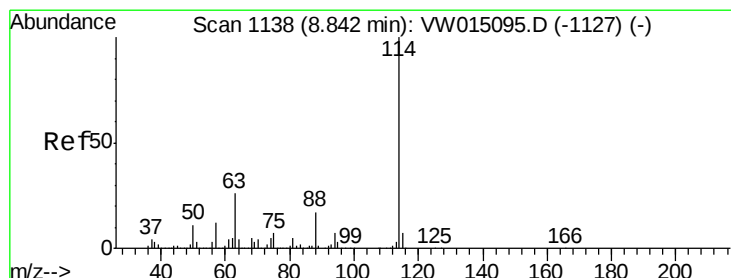
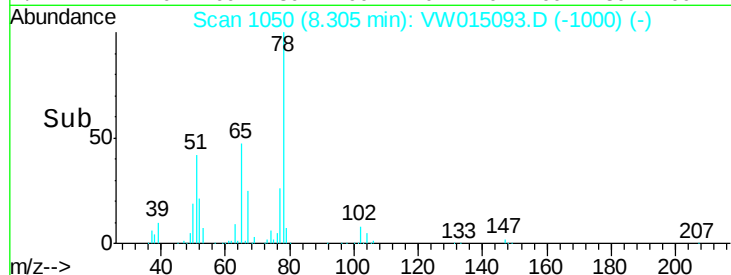
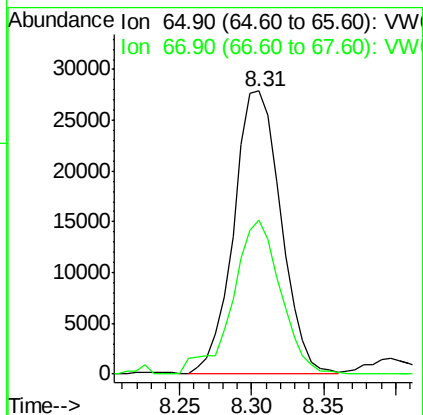
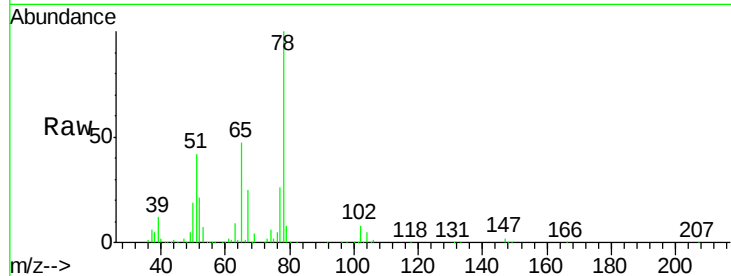
67 55.0 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

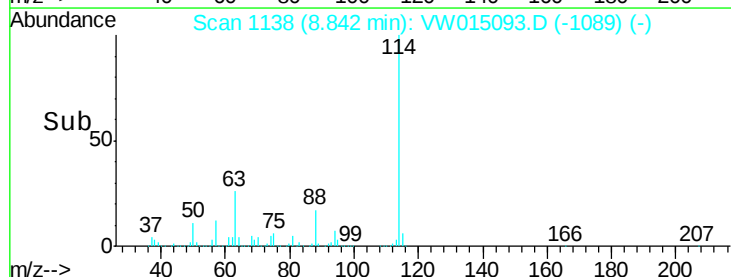
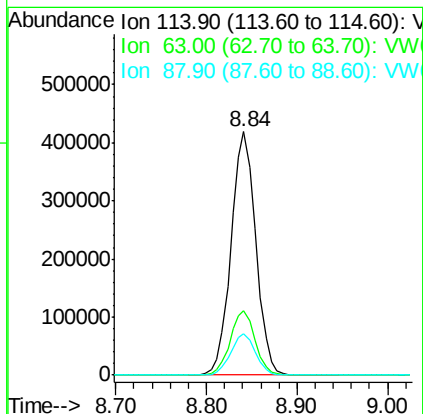
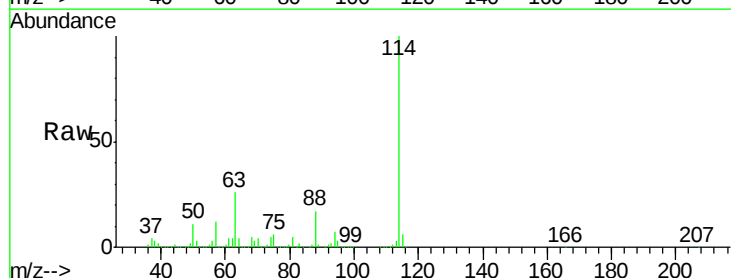
Tgt Ion: 114 Resp: 798598

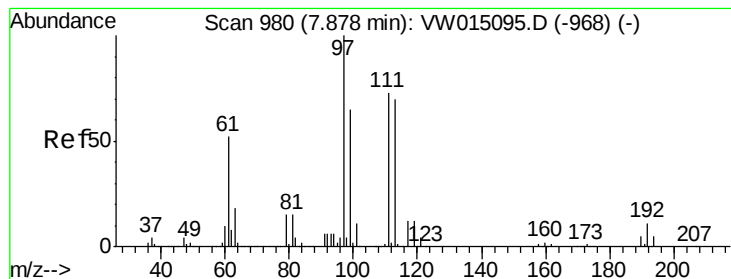
Ion Ratio Lower Upper

114 100

63 26.5 0.0 52.0

88 16.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 9.795 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

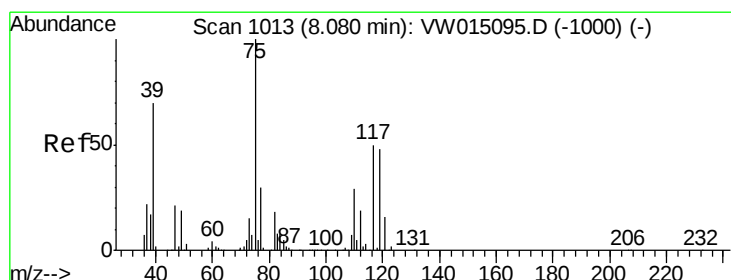
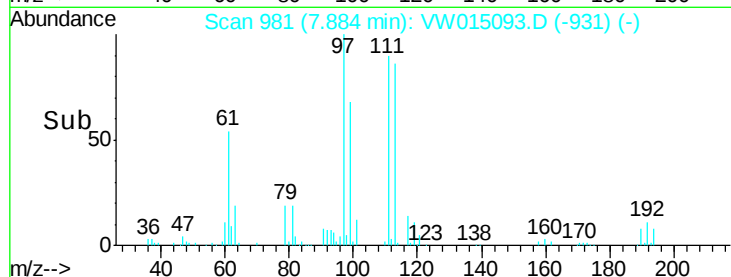
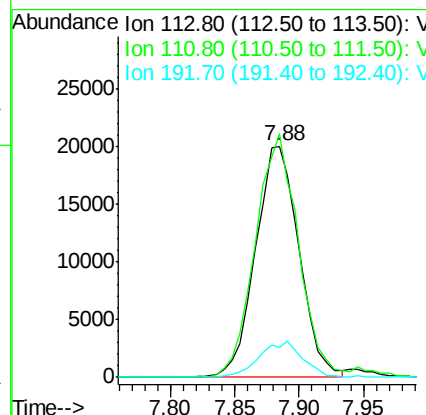
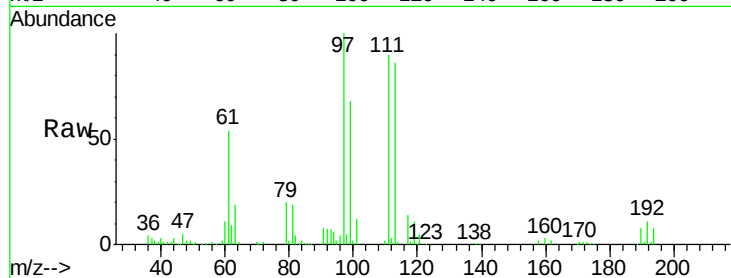
ClientSampled :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.6	125.4
192	15.2	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 9.907 ug/l

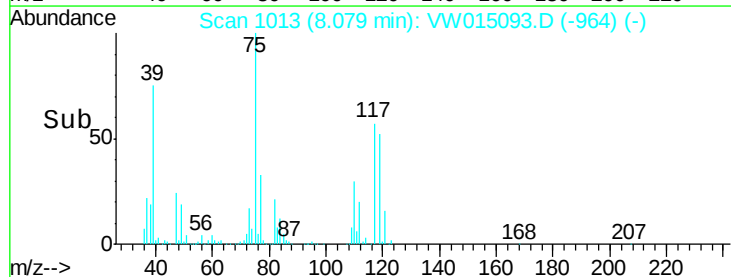
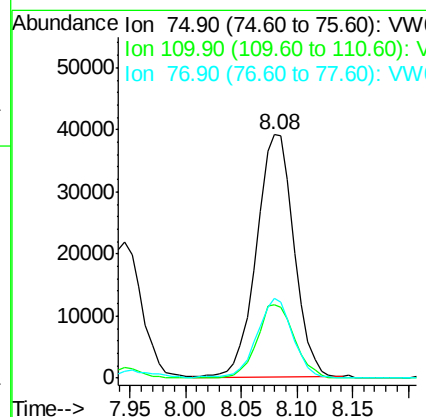
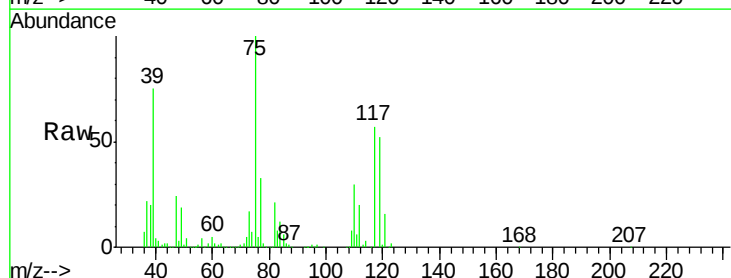
RT: 8.08 min Scan# 1013

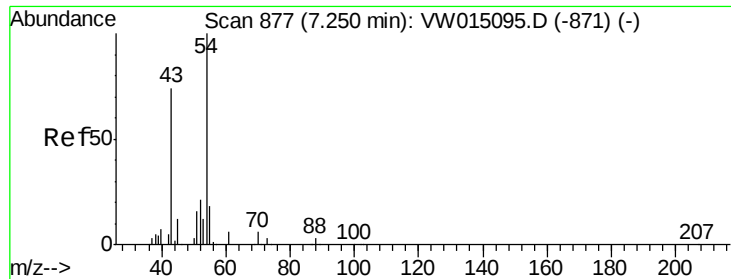
Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.1	14.7	44.1
77	31.6	24.2	36.4





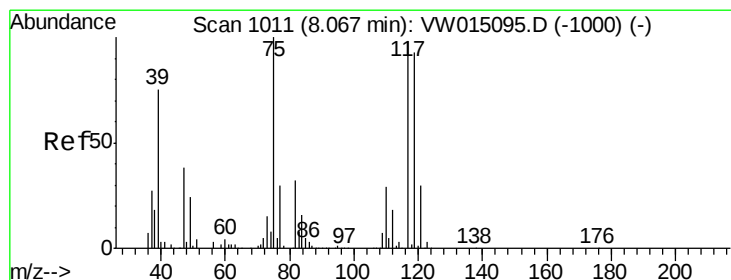
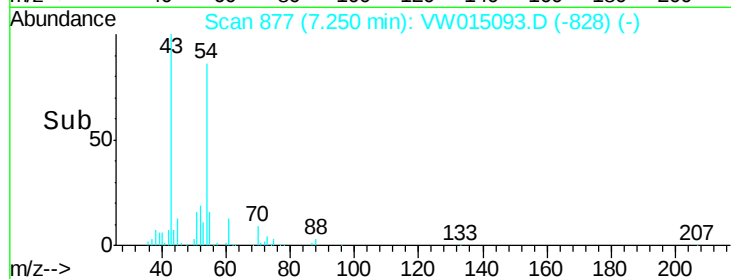
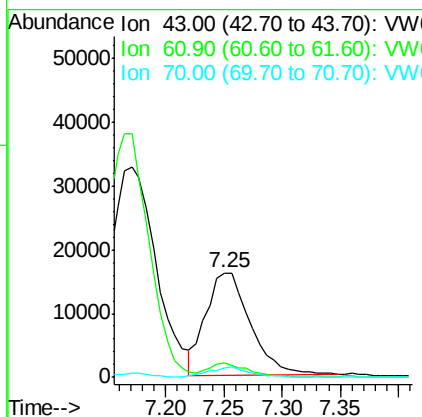
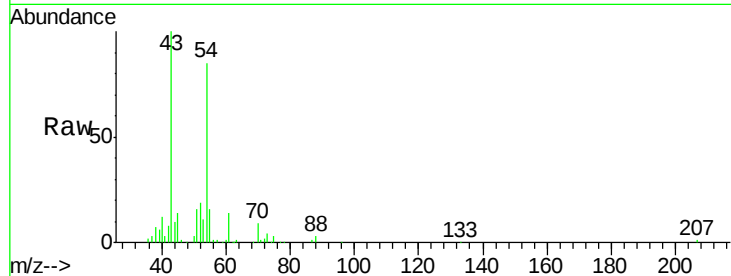
#37
Ethyl Acetate
Concen: 9.273 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.6	14.4
70	9.4	6.5	9.7

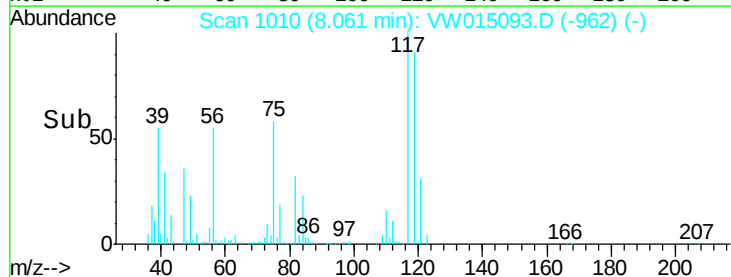
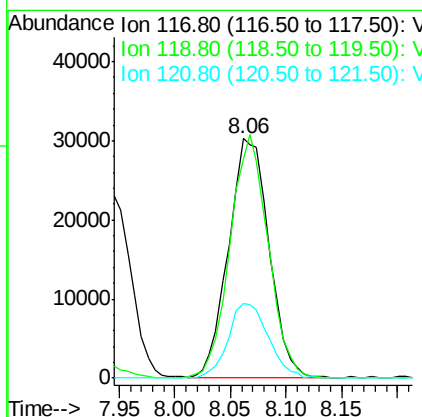
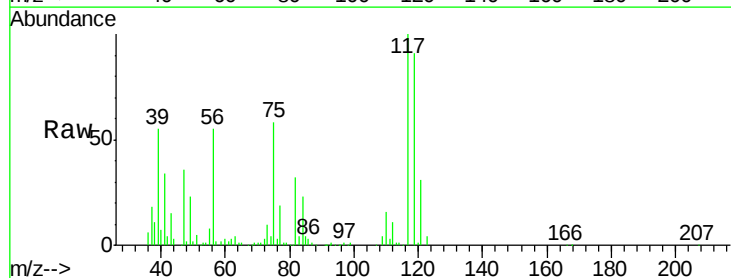
Manual Integrations
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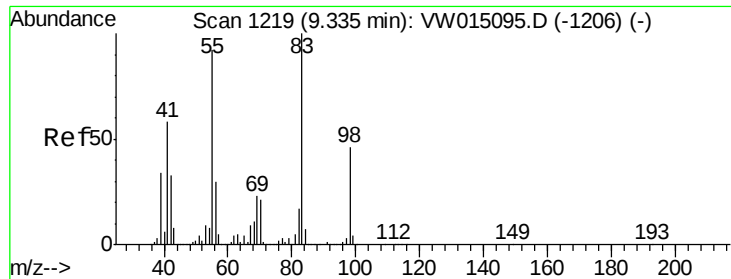
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#38
Carbon Tetrachloride
Concen: 10.101 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	75.8	113.8
121	31.3	24.5	36.7





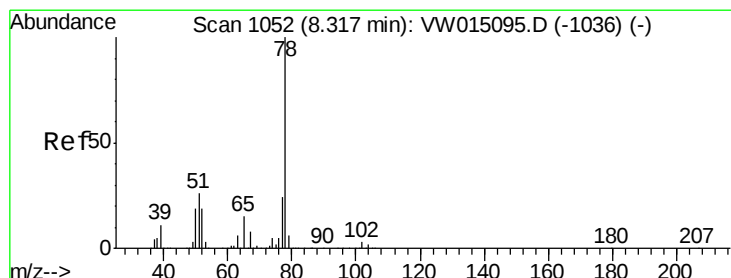
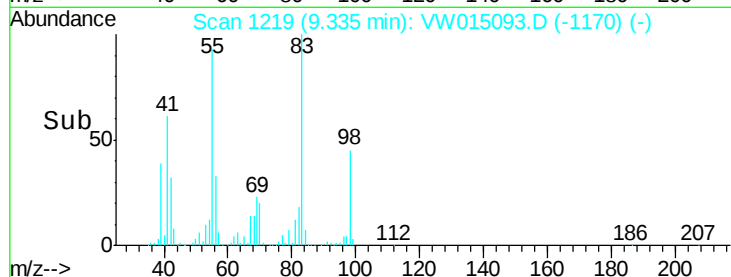
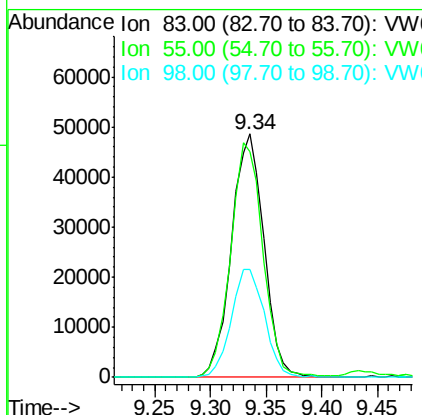
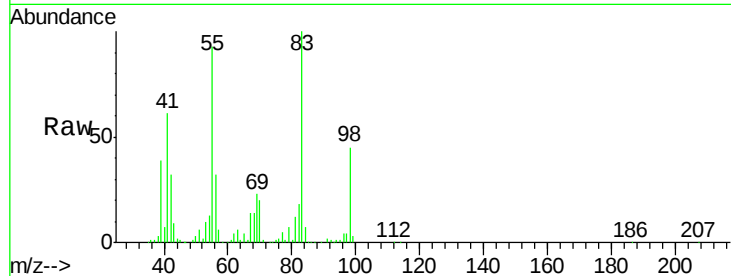
#39
Methvlcvclohexane
Concen: 9.242 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	97866
Ion	Ratio	Lower	Upper
83	100		
55	92.4	73.5	110.3
98	44.5	37.2	55.8

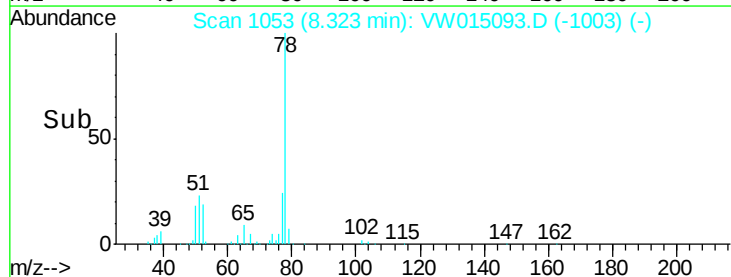
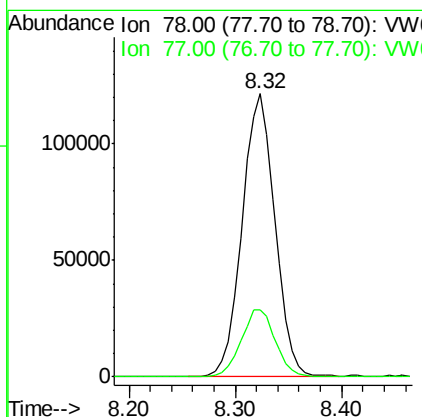
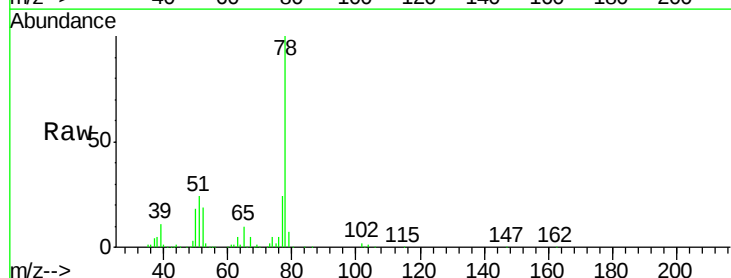
Manual Integrations
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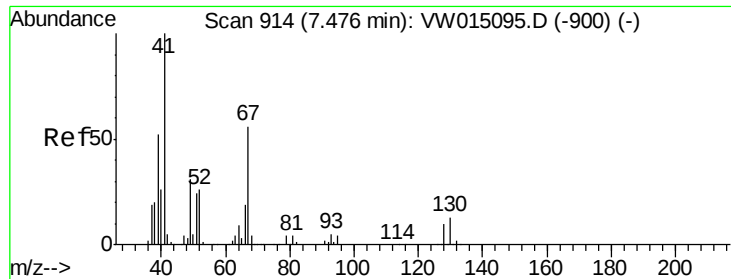
MMDadoda
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#40
Benzene
Concen: 10.204 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	78	Resp	262628
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.5	29.3





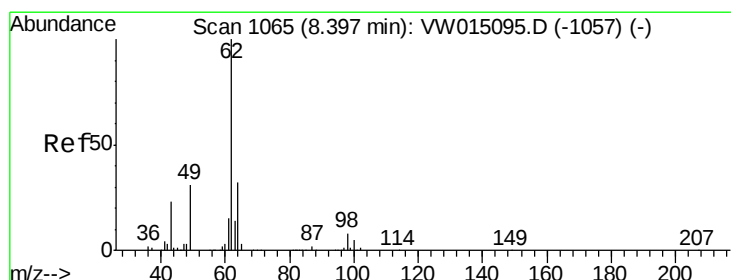
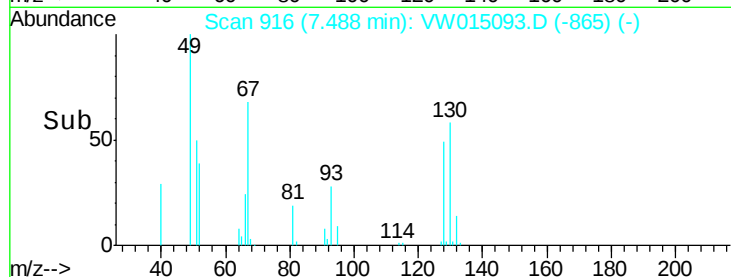
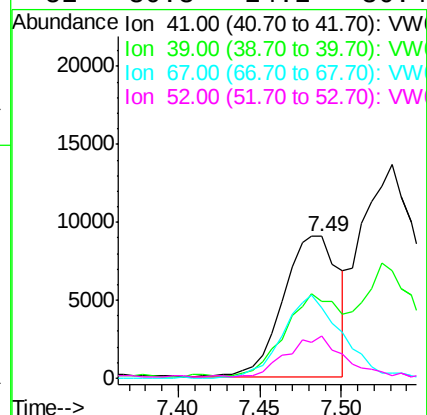
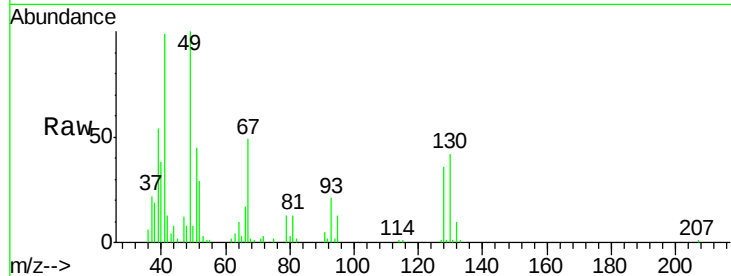
#41
Methacrylonitrile
Concen: 8.687 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	41	Resp:	21205
Ion	Ratio	Lower	Upper
41	100		
39	56.9	49.0	73.4
67	63.4	50.4	75.6
52	30.3	24.2	36.4

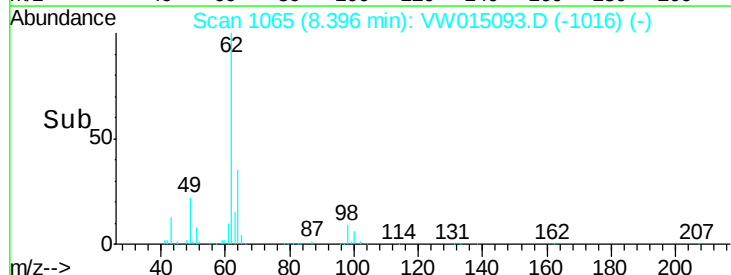
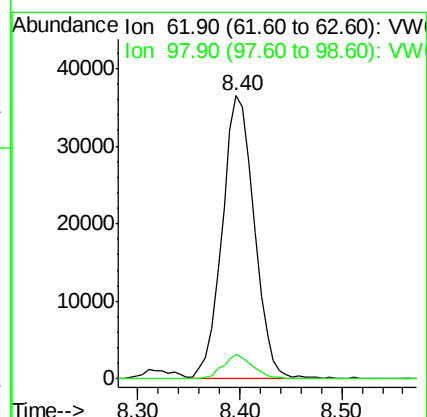
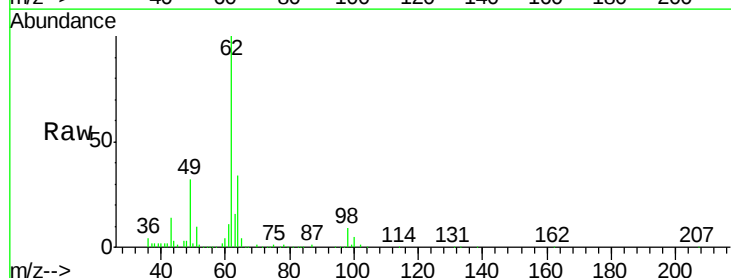
Manual Integrations
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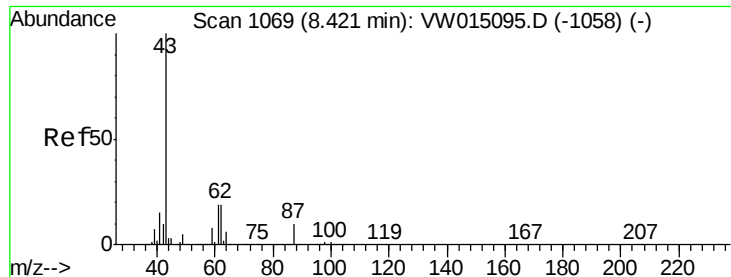
MMDadoda
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#42
1,2-Dichloroethane
Concen: 10.123 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	62	Resp:	79374
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.0





#43

Isopropyl Acetate

Concen: 9.304 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

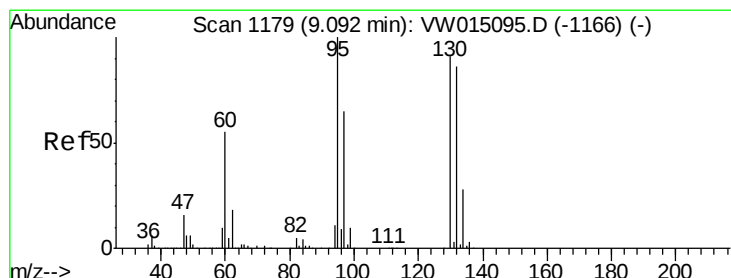
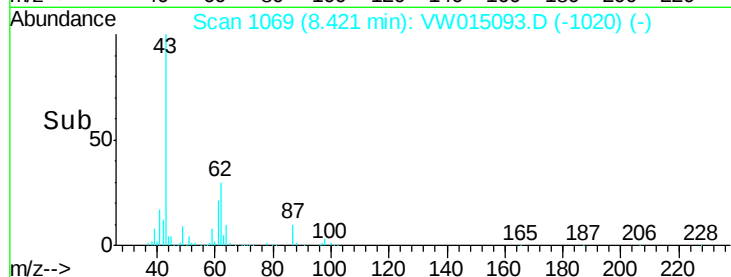
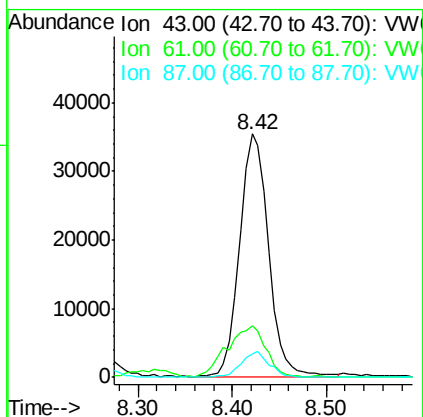
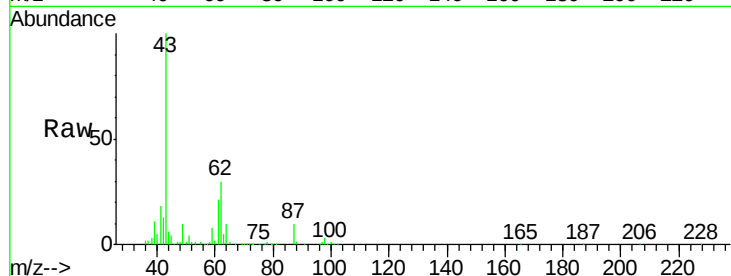
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	76992
Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.8	32.8
87	10.2	8.0	12.0

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#44

Trichloroethene

Concen: 10.100 ug/l

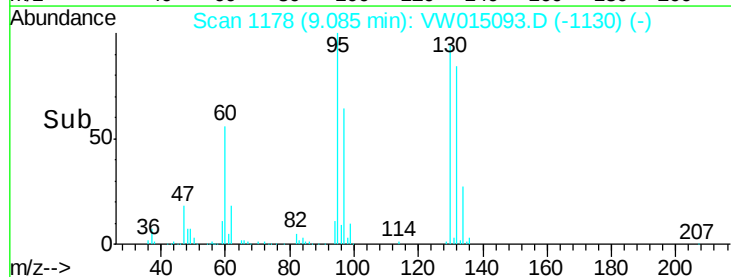
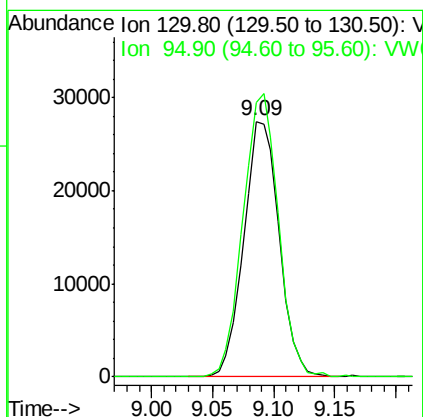
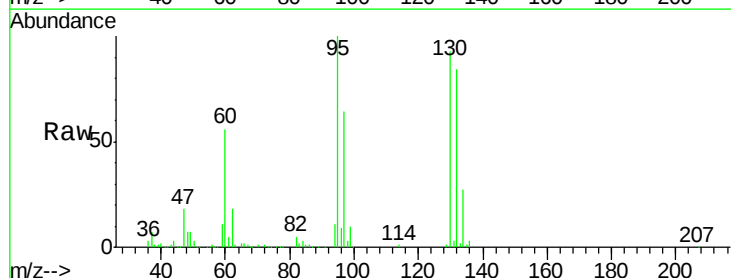
RT: 9.09 min Scan# 1178

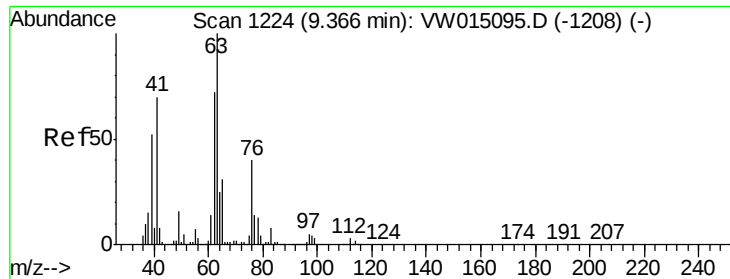
Delta R.T. -0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Tgt Ion:	130	Resp:	55334
Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	219.8





#45

1,2-Dichloropropane

Concen: 10.081 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 69873

Ion Ratio Lower Upper

63 100

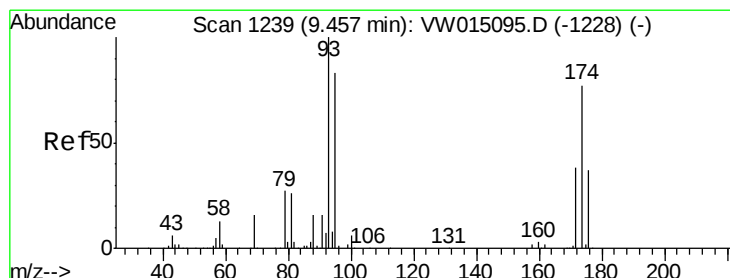
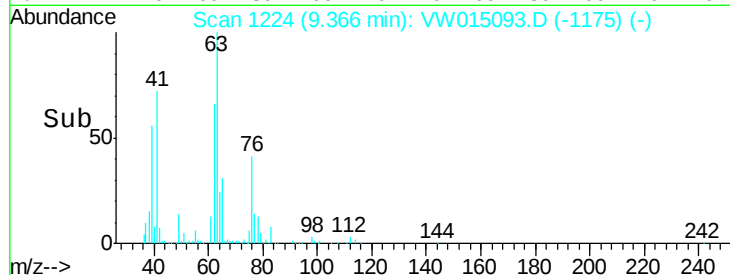
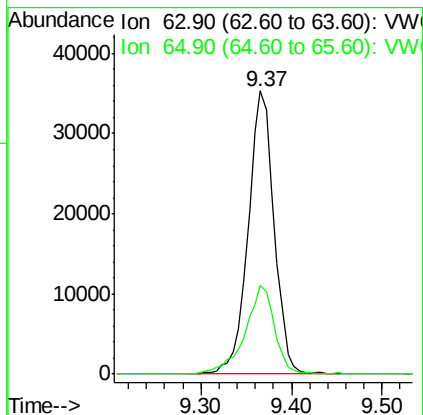
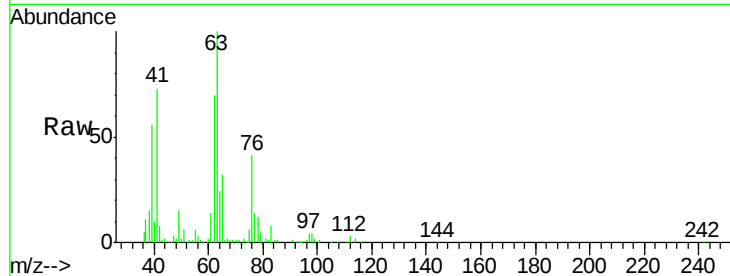
65 31.5 24.6 36.8

Manual Integrations

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3/11/2020 3:23:55 PM



#46

Dibromomethane

Concen: 10.173 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

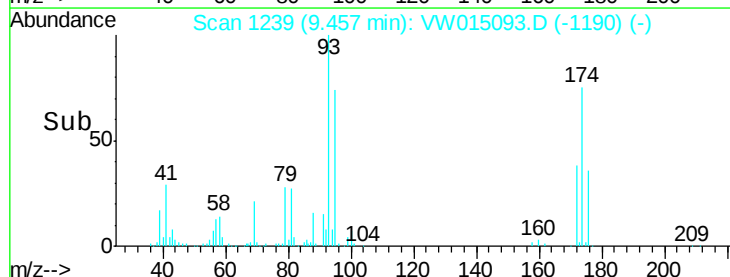
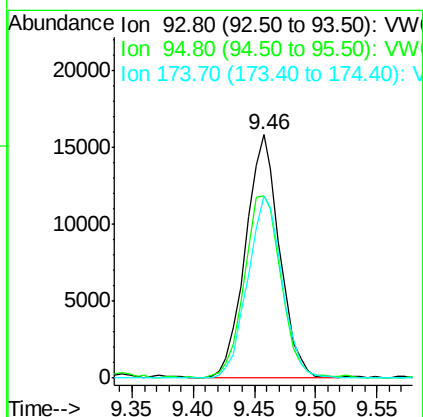
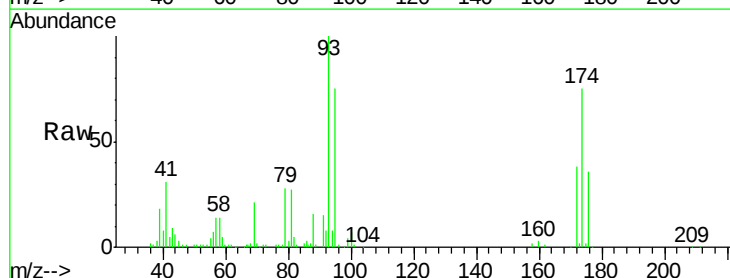
Tgt Ion: 93 Resp: 30659

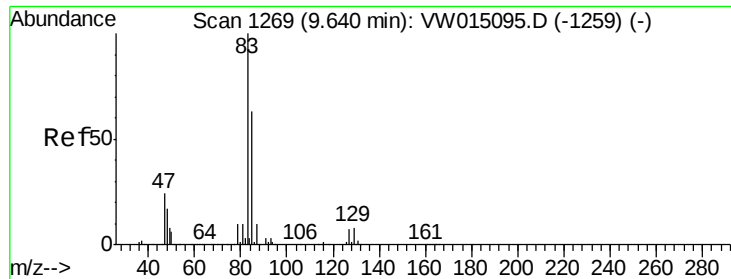
Ion Ratio Lower Upper

93 100

95 81.0 66.6 100.0

174 75.3 60.6 91.0





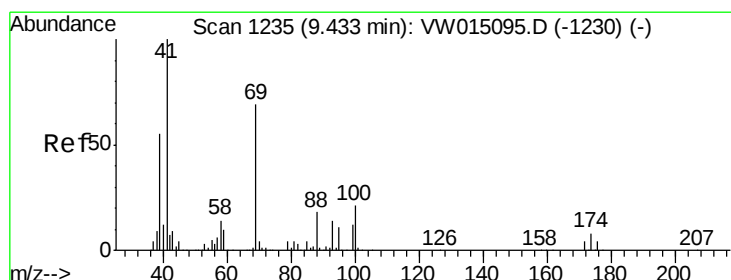
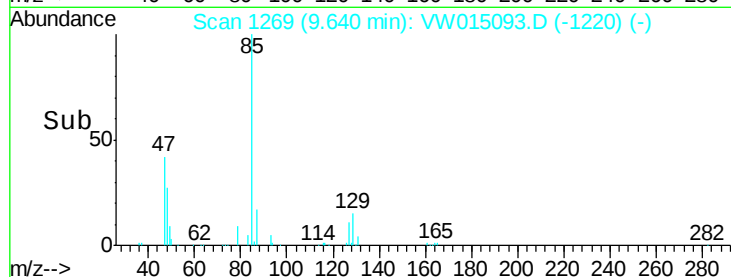
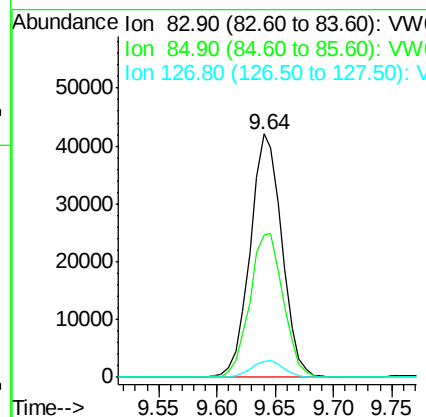
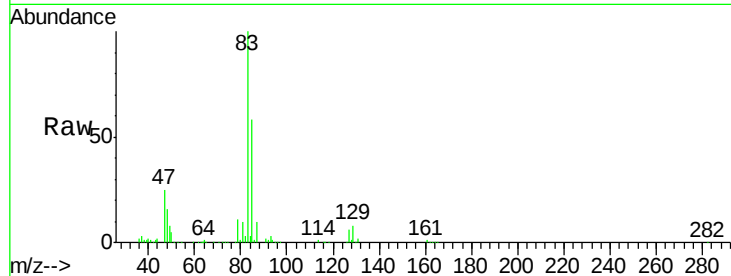
#47
Bromodichloromethane
Concen: 9.954 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	80096
Ion Ratio	100	Lower	Upper
83	100		
85	58.4	50.7	76.1
127	6.2	5.5	8.3

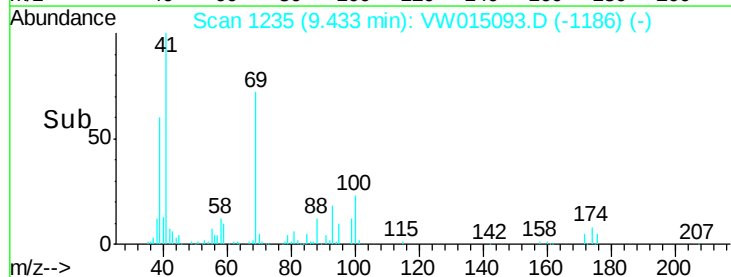
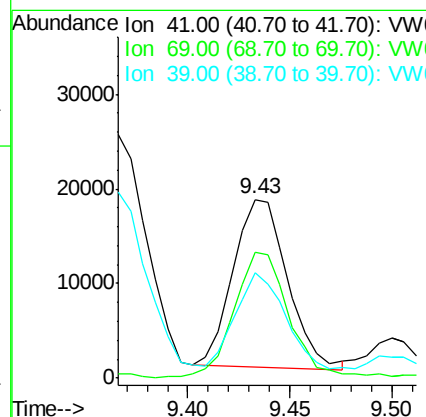
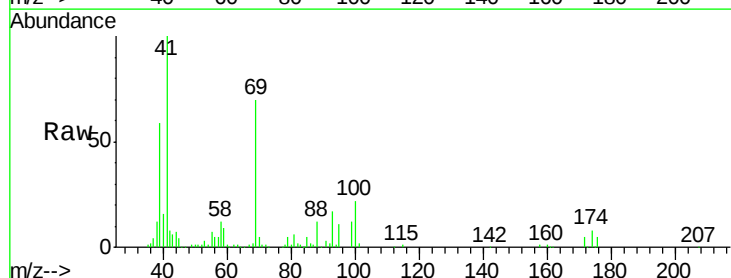
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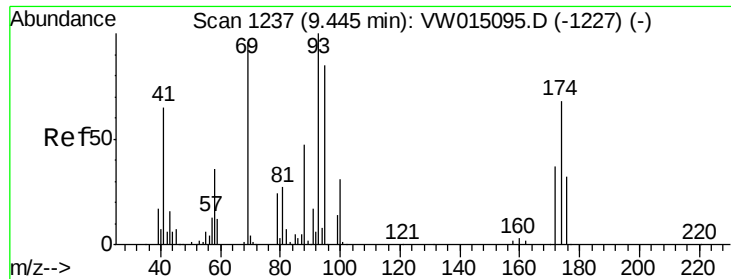
MMDadoda
3/11/2020 3:23:55 PM



#48
Methyl methacrylate
Concen: 8.614 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	41	Resp	32898
Ion Ratio	100	Lower	Upper
41	100		
69	76.1	58.7	88.1
39	54.2	45.1	67.7





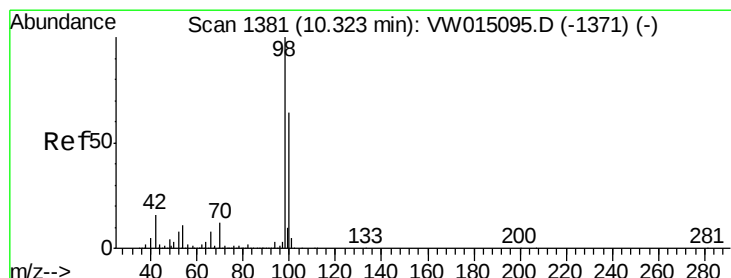
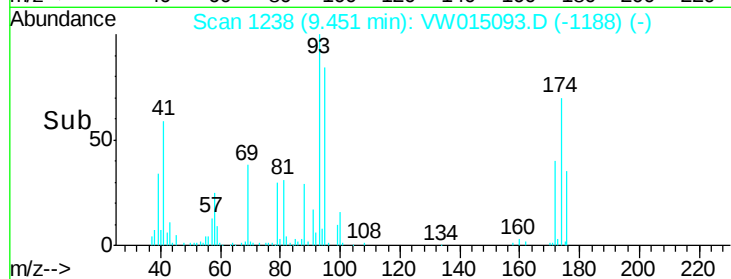
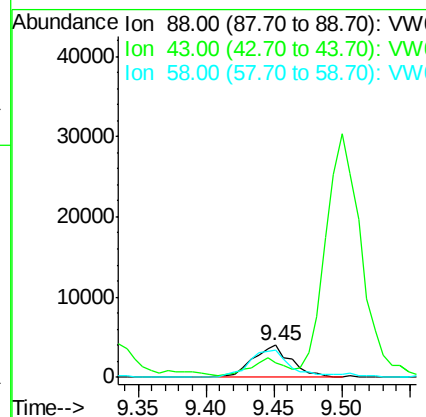
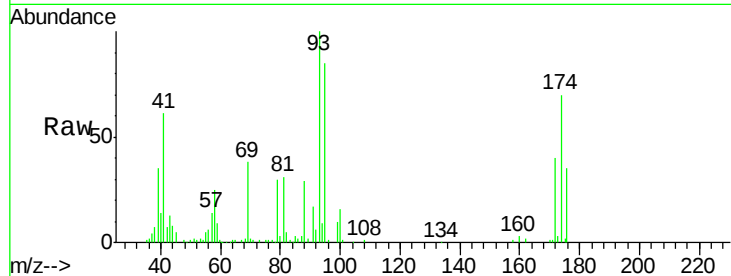
#49
1,4-Dioxane
Concen: 176.171 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	8129
Ion	Ratio	Lower	Upper
88	100		
43	41.2	35.8	53.8
58	88.6	64.0	96.0

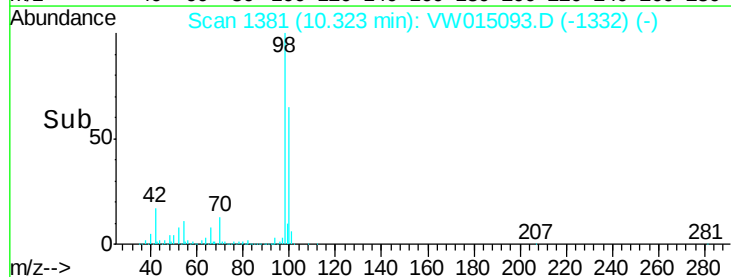
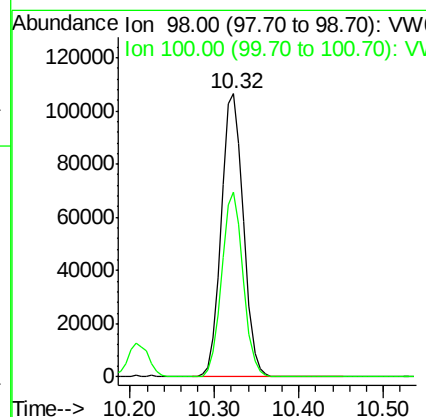
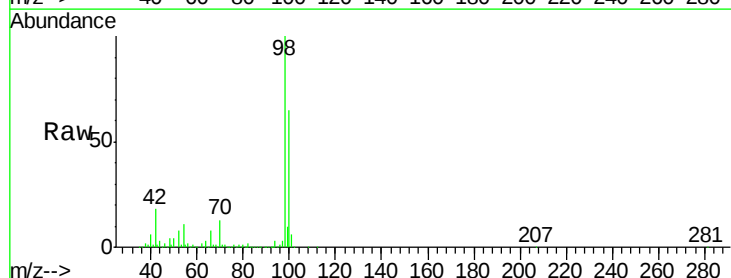
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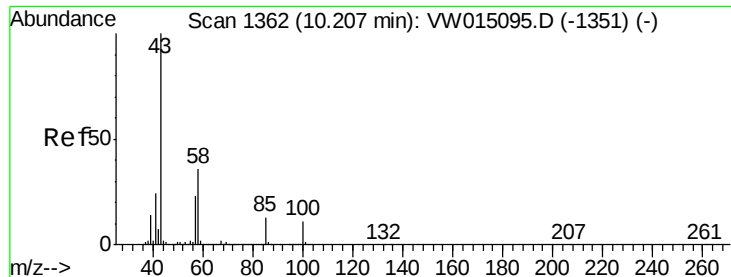
MMDadoda
3/11/2020 3:23:55 PM



#50
Toluene-d8
Concen: 9.621 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	98	Resp	192630
Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 46.455 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 212328

Ion Ratio Lower Upper

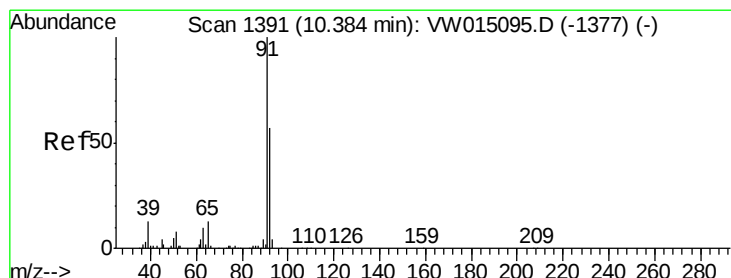
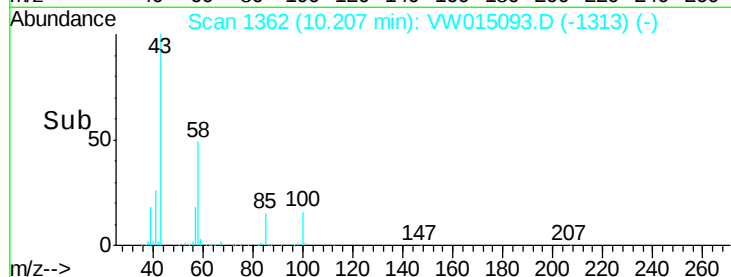
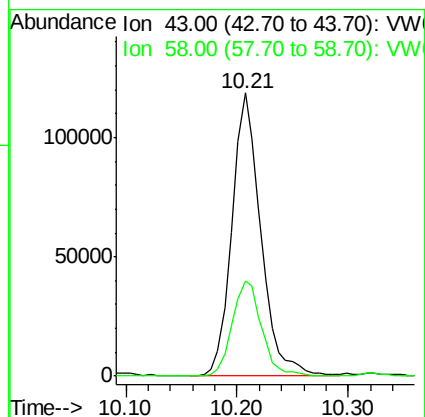
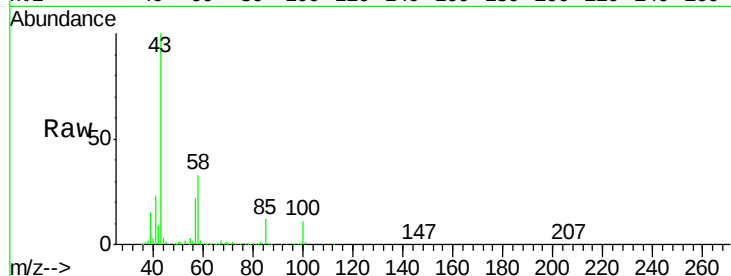
43 100

58 34.4 28.0 42.0

Manual Integrations
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#52

Toluene

Concen: 9.824 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015093.D

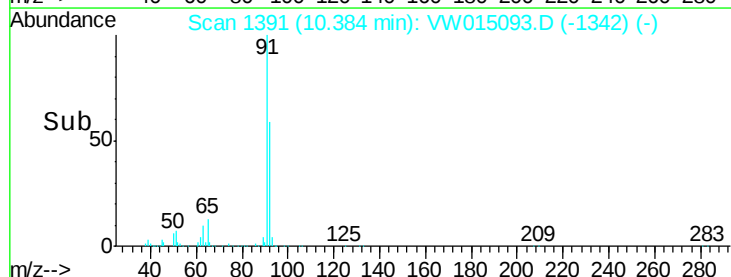
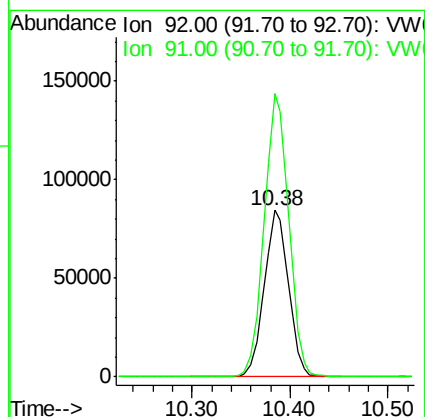
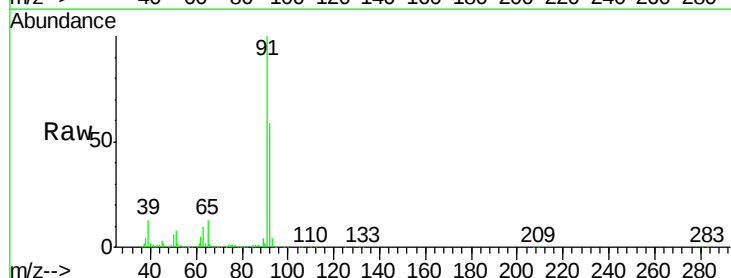
Acq: 09 Mar 2020 11:02

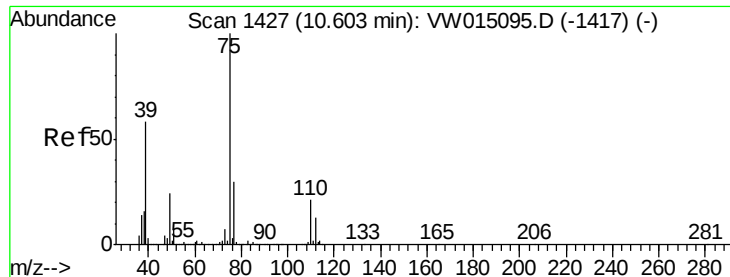
Tgt Ion: 92 Resp: 145256

Ion Ratio Lower Upper

92 100

91 172.0 138.9 208.3





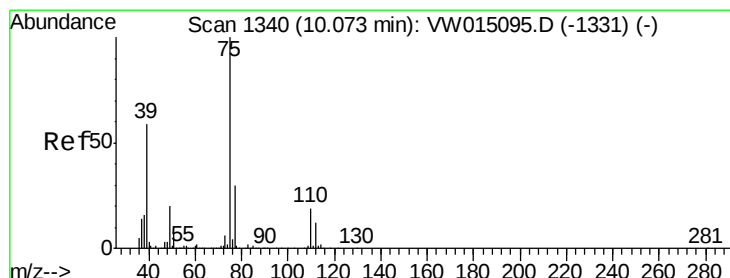
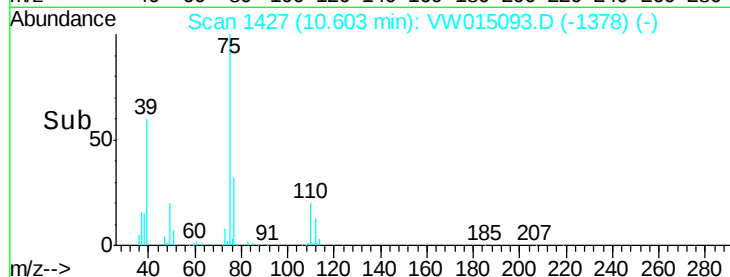
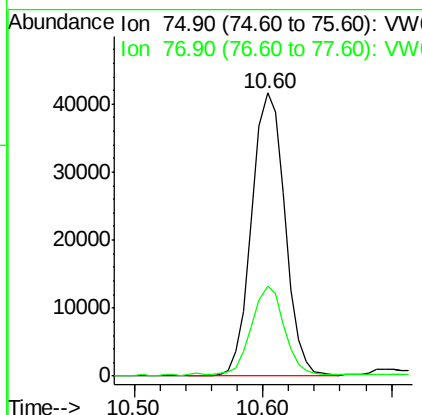
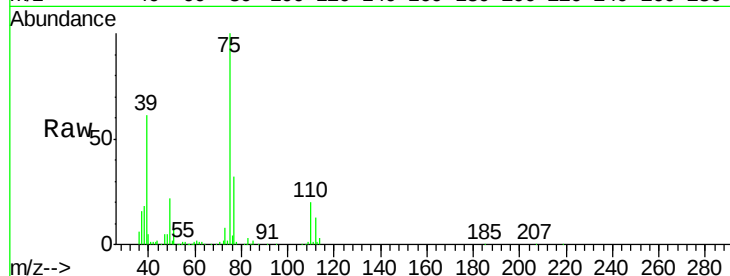
#53
t-1,3-Dichloropropene
Concen: 9.399 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.4	36.6

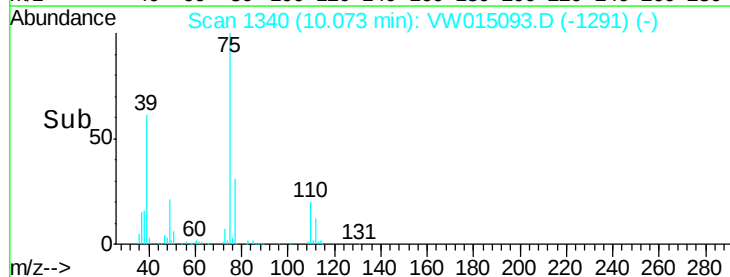
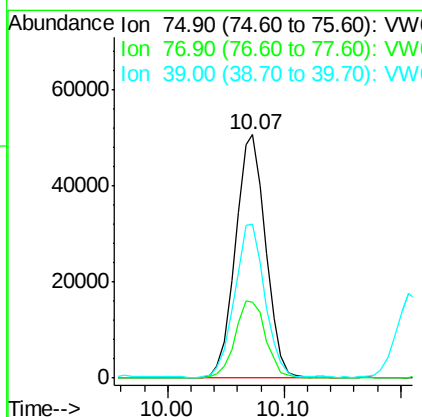
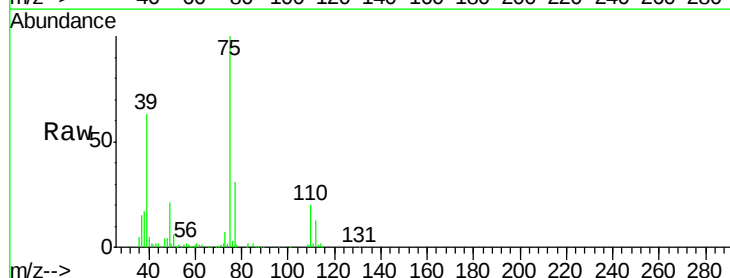
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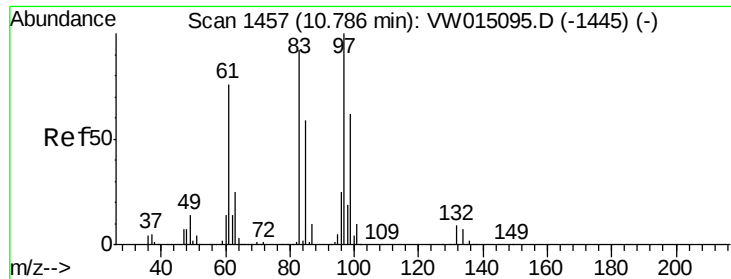
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#54
cis-1,3-Dichloropropene
Concen: 9.509 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.3	36.5
39	62.8	47.0	70.6





#55

1,1,2-Trichloroethane

Concen: 9.921 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 40970

Ion Ratio Lower Upper

97 100

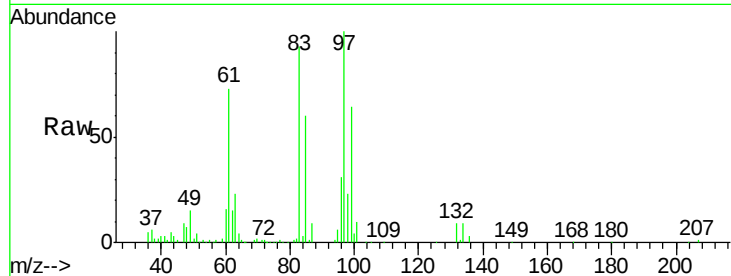
83 92.6 74.0 111.0

85 60.4 46.9 70.3

99 63.6 49.8 74.8

Manual Integrations
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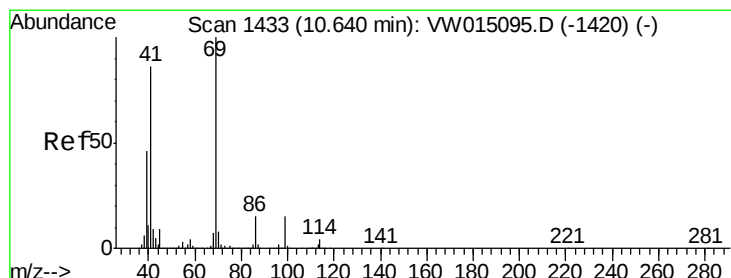
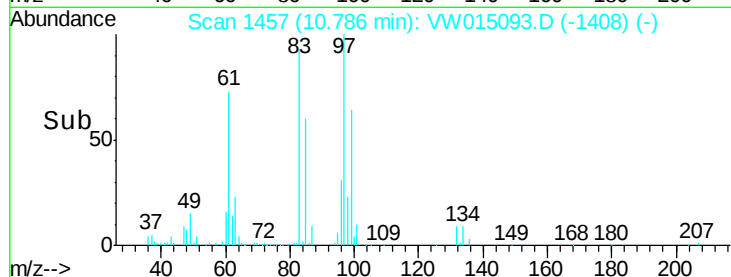
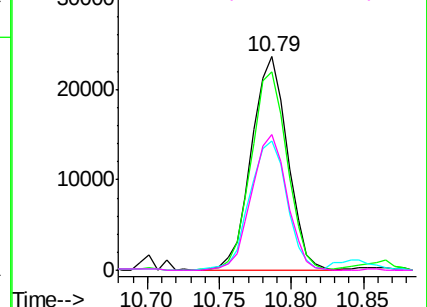


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 8.425 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

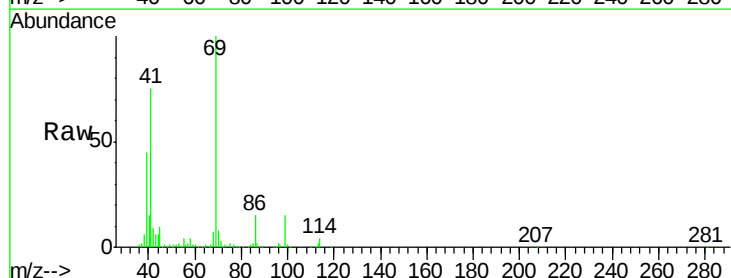
Tgt Ion: 69 Resp: 44891

Ion Ratio Lower Upper

69 100

41 78.6 65.8 98.6

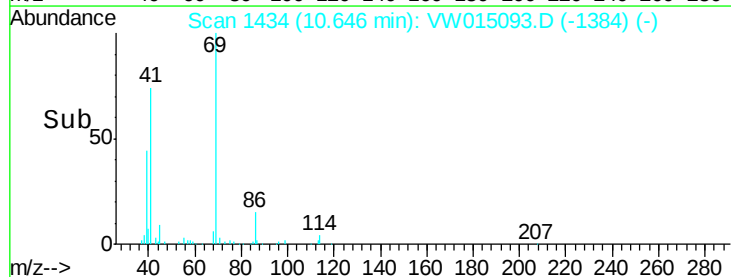
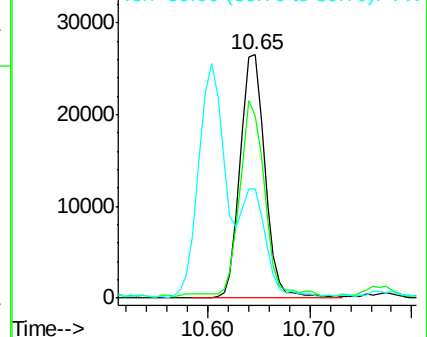
39 42.5 31.2 46.8

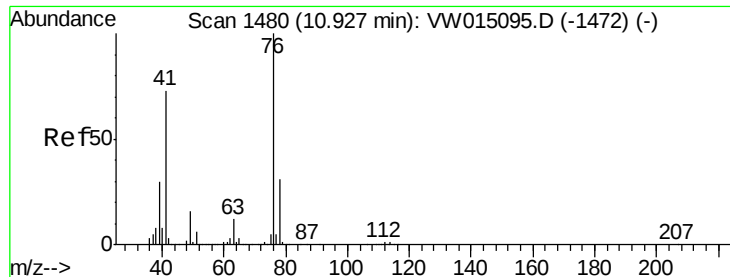


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





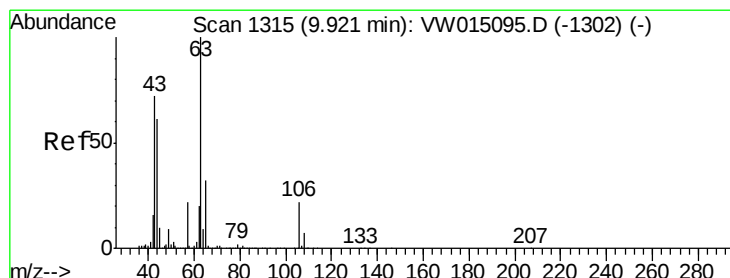
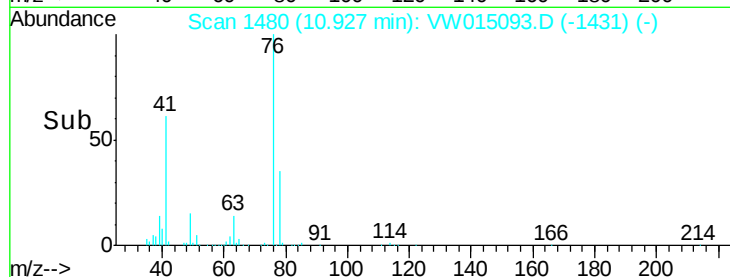
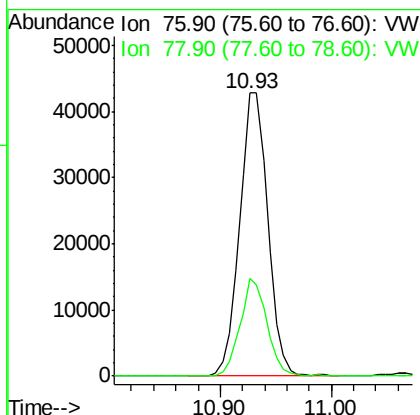
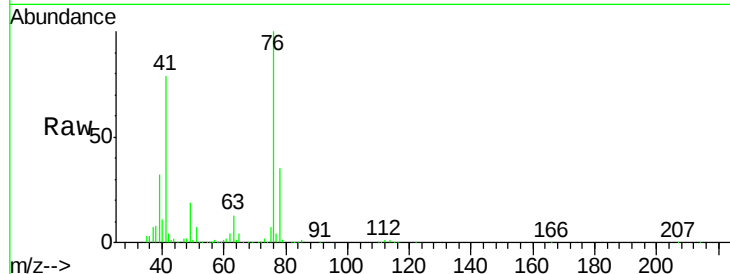
#57
 1,3-Dichloropropane
 Concen: 9.565 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9

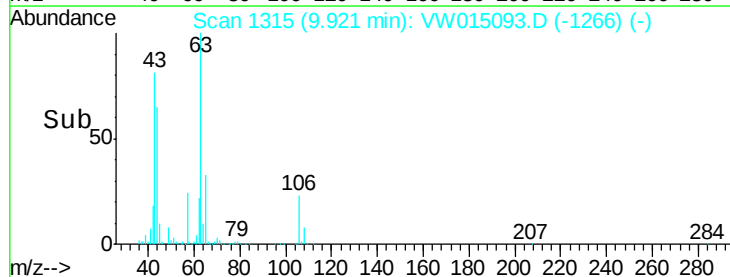
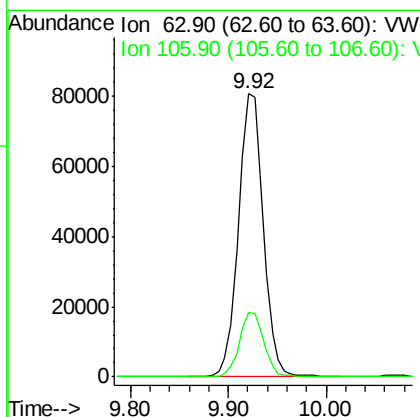
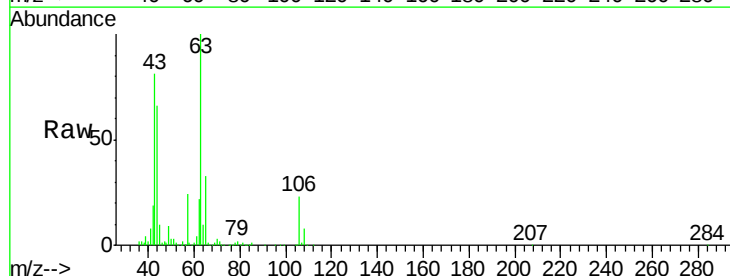
Manual Integrations
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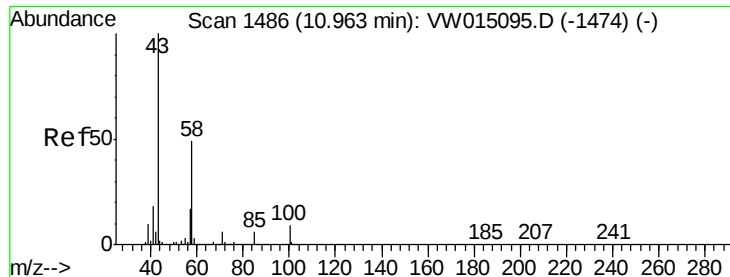
MMDadoda
 3/11/2020 3:23:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 45.551 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.5	18.0	27.0





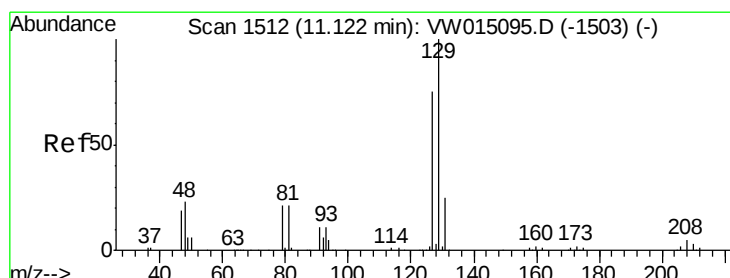
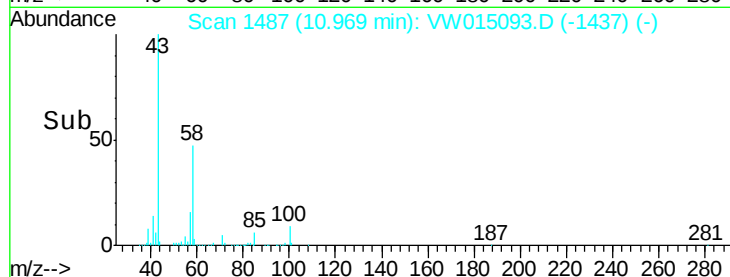
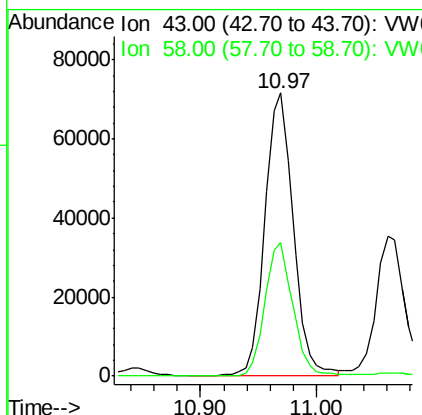
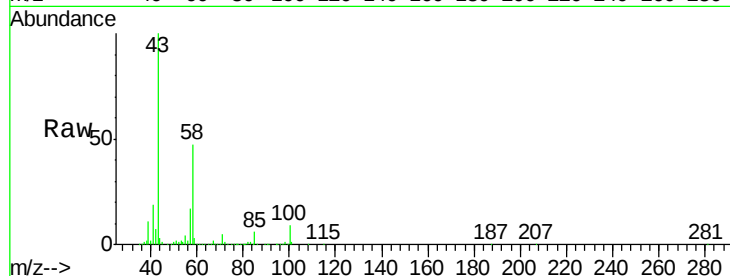
#59
2-Hexanone
Concen: 42.049 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.7	24.6	73.8

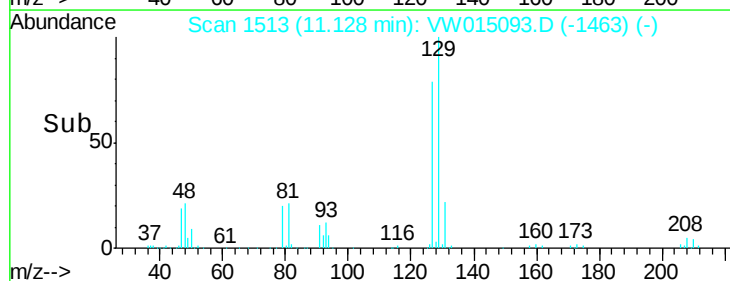
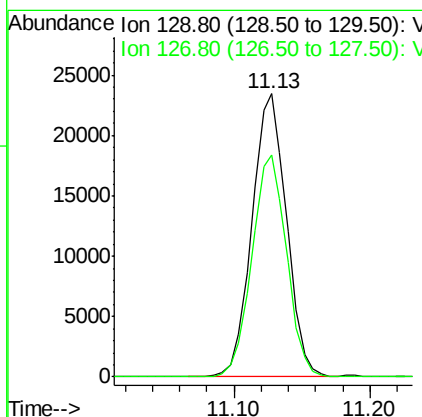
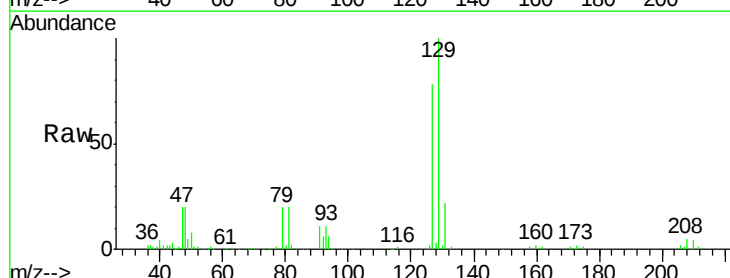
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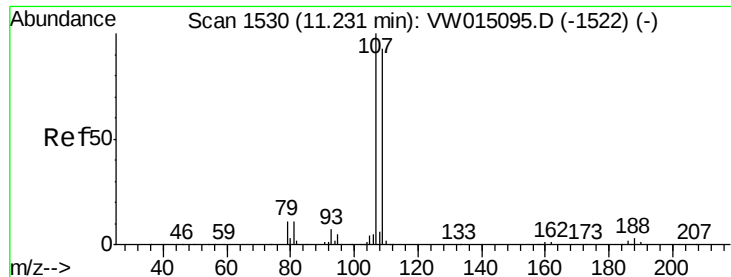
MMDadoda
3/11/2020 3:23:55 PM



#60
Dibromochloromethane
Concen: 9.770 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.7	116.1





#61

1,2-Dibromoethane

Concen: 9.731 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 35625

Ion Ratio Lower Upper

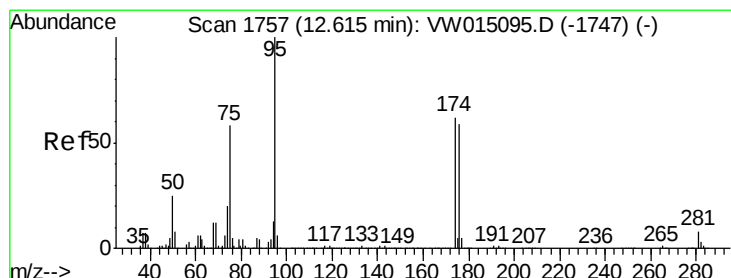
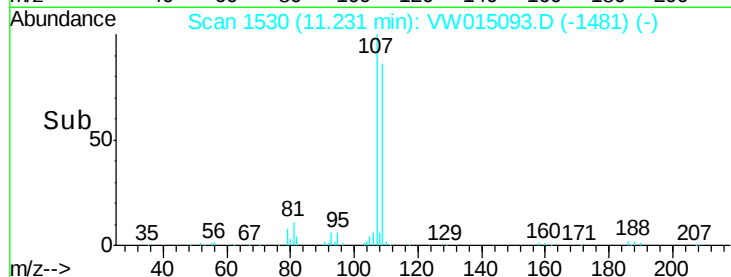
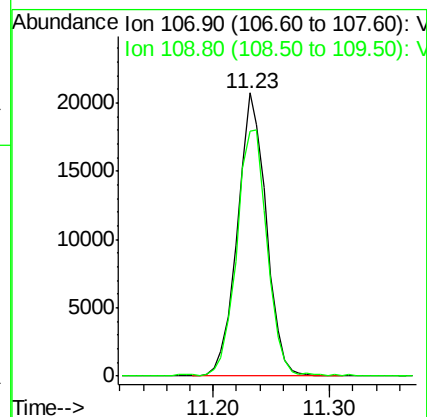
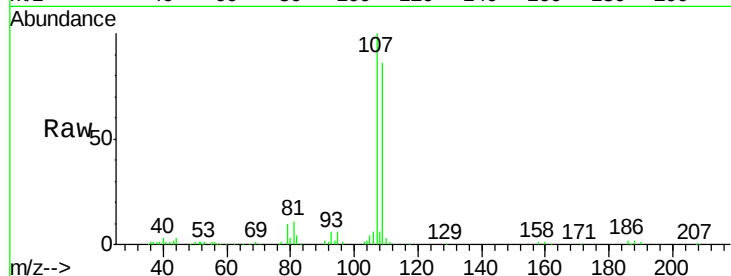
107 100

109 91.9 75.3 112.9

Manual Integrations
APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 9.400 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

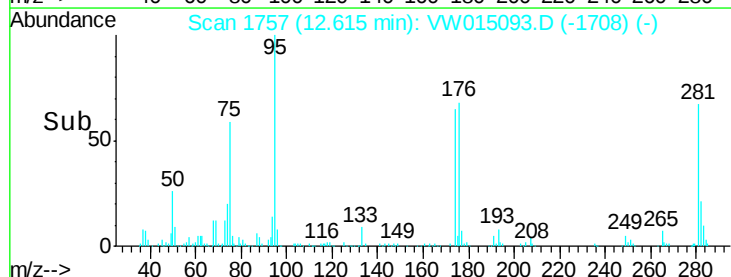
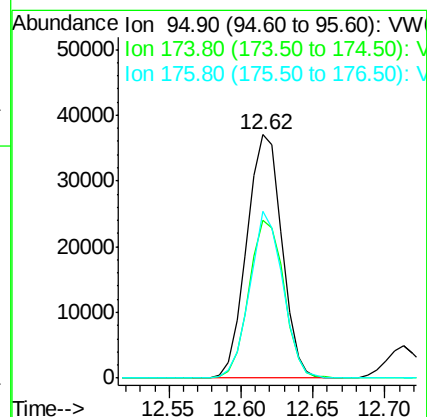
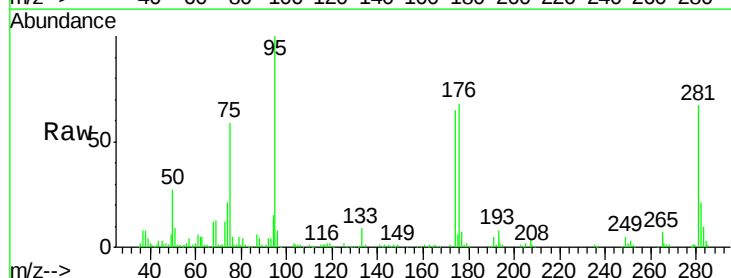
Tgt Ion: 95 Resp: 62517

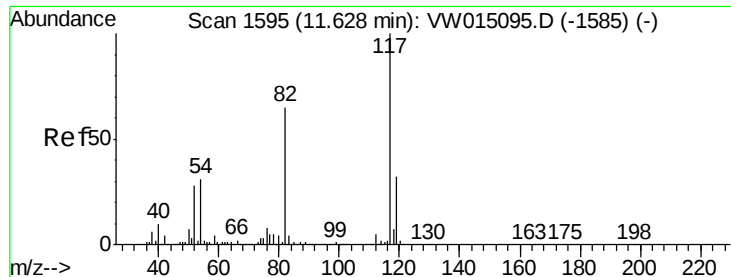
Ion Ratio Lower Upper

95 100

174 64.3 0.0 126.8

176 64.2 0.0 121.6





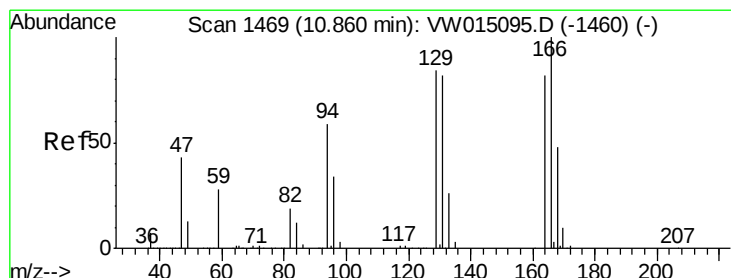
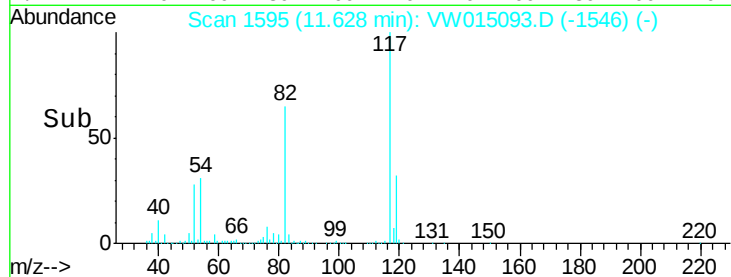
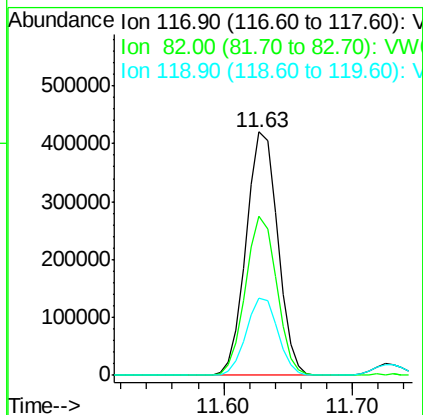
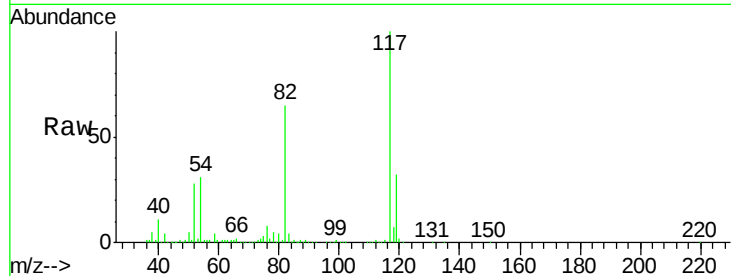
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.3	52.2	78.2
119	31.7	25.4	38.0

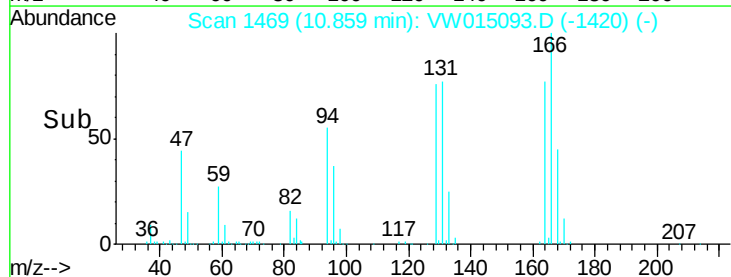
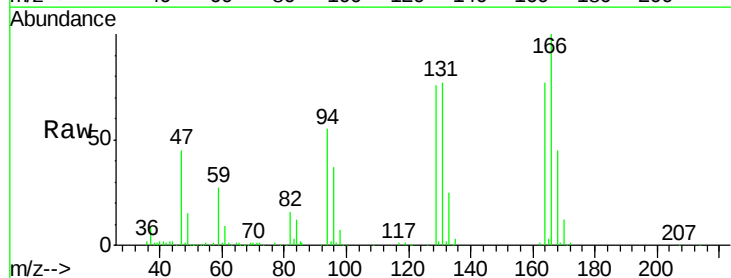
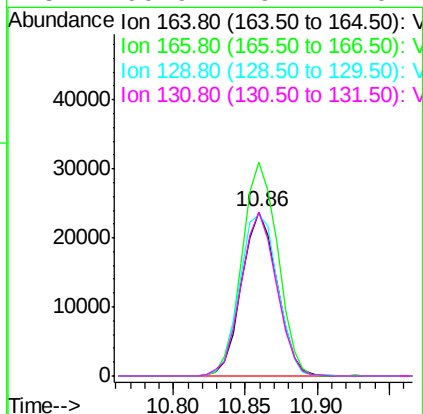
Manual Integrations
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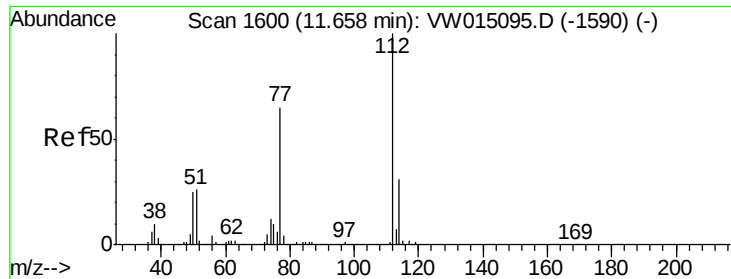
MMDadoda
3/11/2020 3:23:55 PM



#64
Tetrachloroethene
Concen: 9.907 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	97.0	145.6
129	98.5	81.2	121.8
131	99.9	79.4	119.2





#65

Chlorobenzene

Concen: 9.979 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 142590

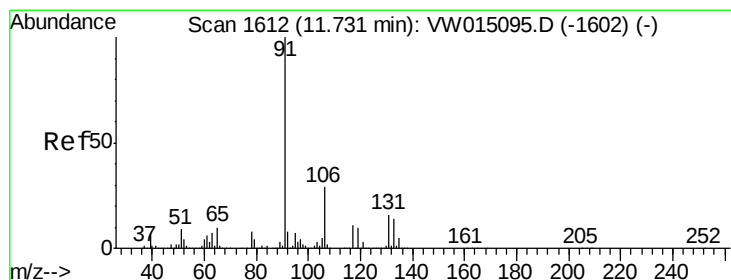
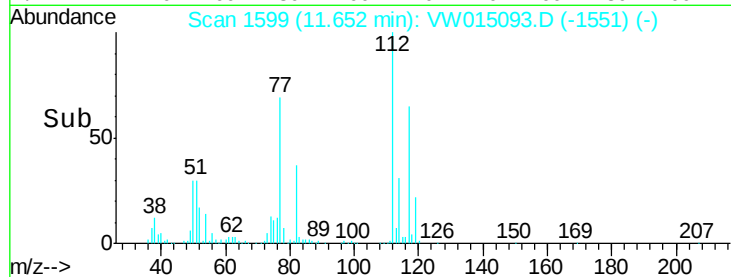
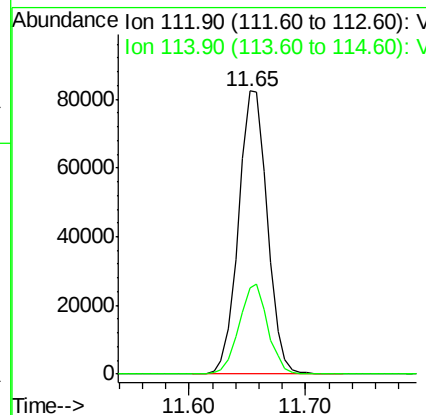
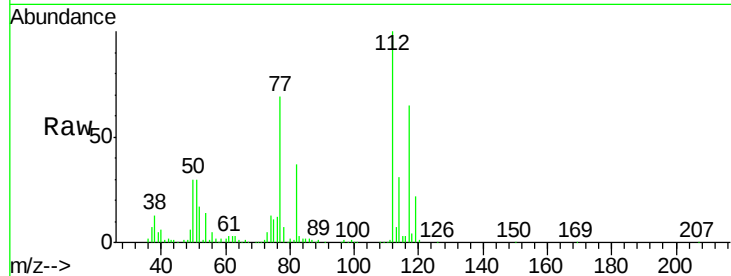
Ion Ratio Lower Upper

112 100

114 30.5 25.0 37.6

Manual Integrations
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3/11/2020 3:23:55 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 10.048 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

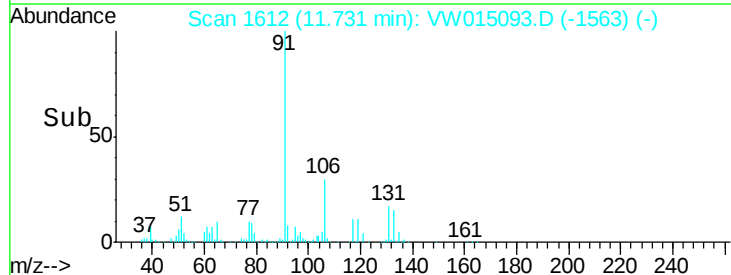
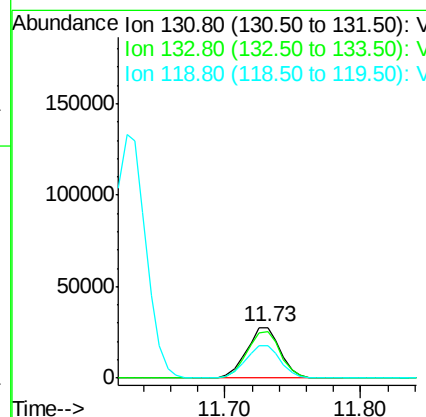
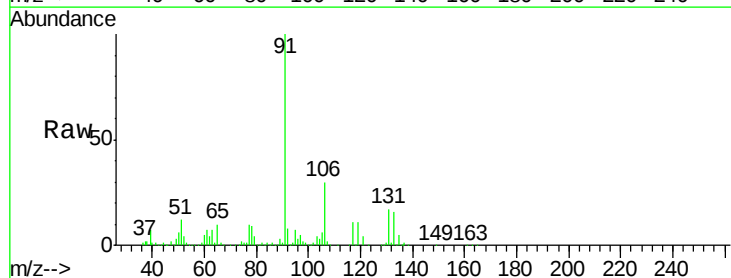
Tgt Ion:131 Resp: 47809

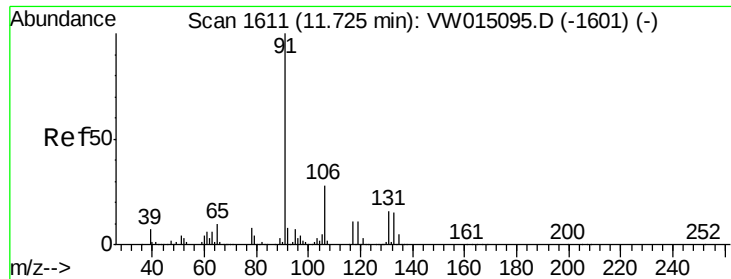
Ion Ratio Lower Upper

131 100

133 92.7 47.3 141.8

119 66.6 34.0 101.8





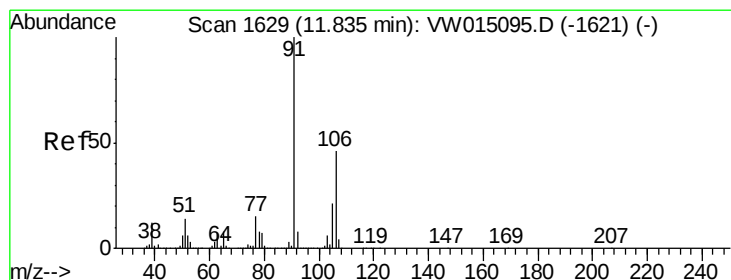
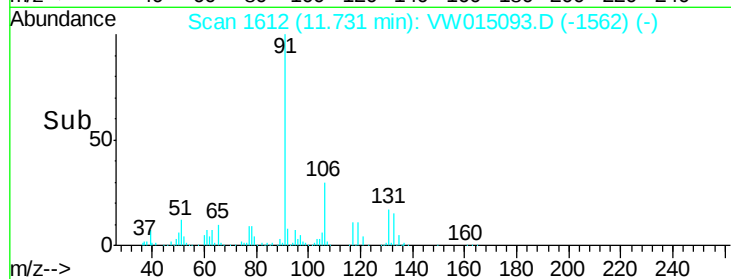
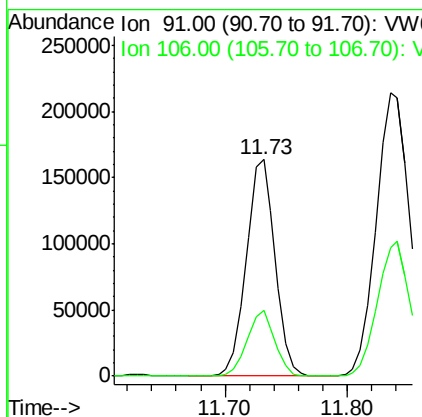
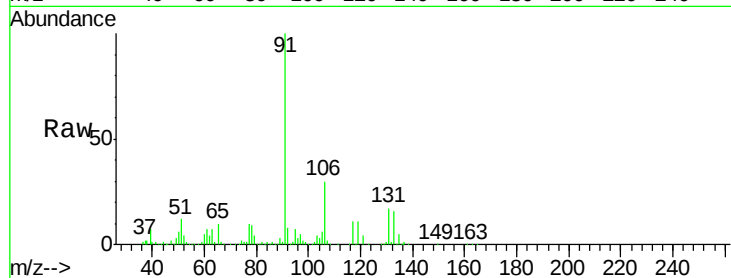
#67
Ethyl Benzene
Concen: 9.614 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.4	22.8	34.2

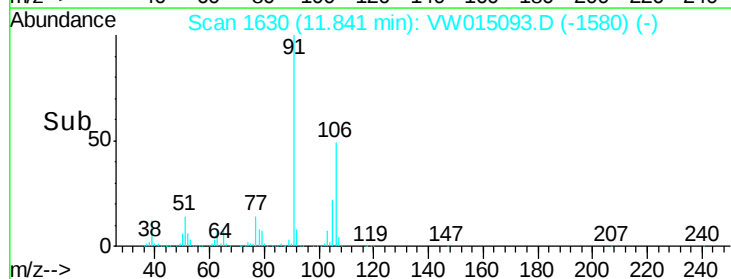
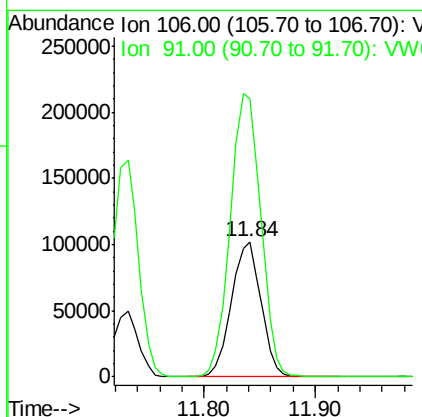
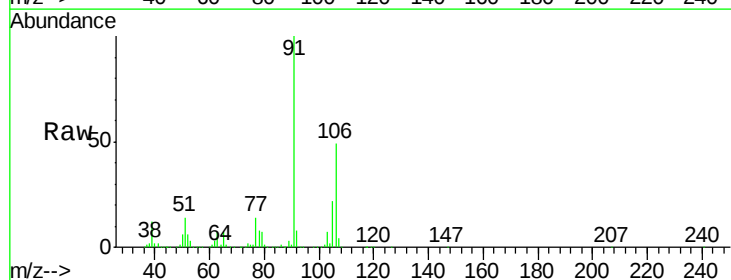
Manual Integrations
APPROVED

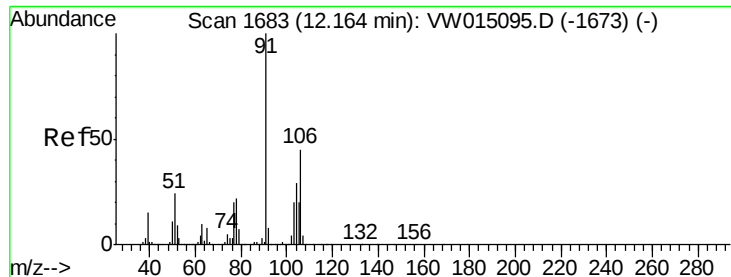
MMDadoda
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#68
m/p-Xylenes
Concen: 19.095 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.0	172.3	258.5





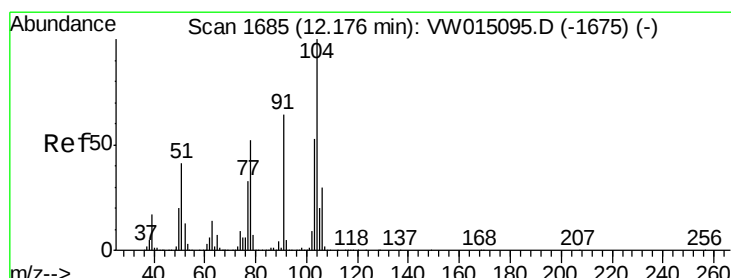
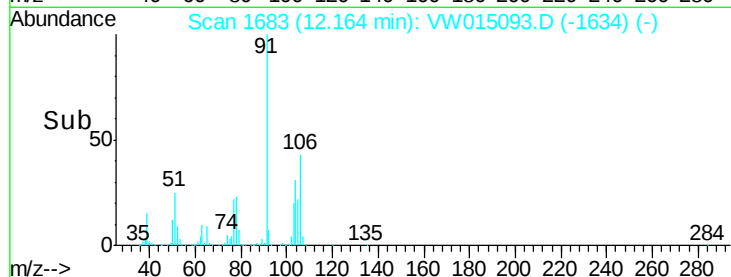
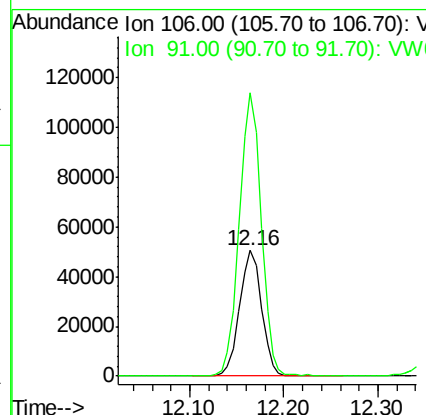
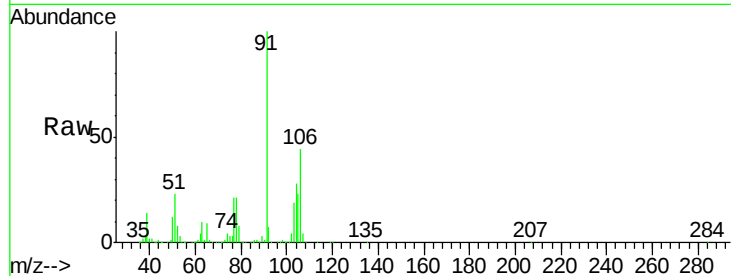
#69
o-Xylene
Concen: 9.308 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 82421
Ion Ratio Lower Upper
106 100
91 223.2 112.6 337.8

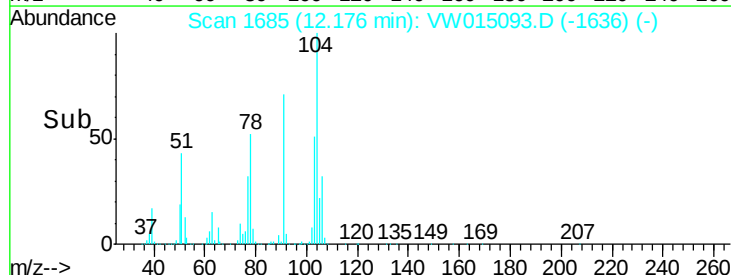
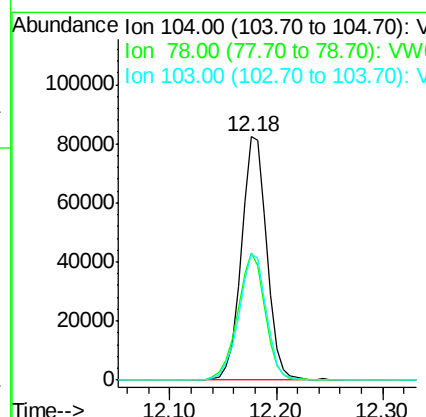
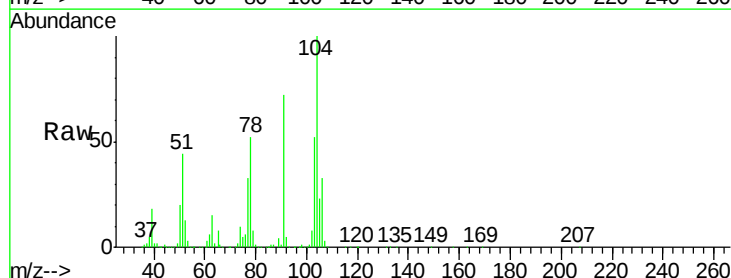
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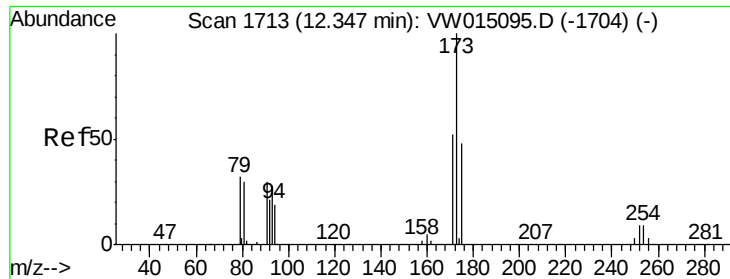
MMDadoda
3/11/2020 3:23:55 PM



#70
Styrene
Concen: 9.093 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion:104 Resp: 137963
Ion Ratio Lower Upper
104 100
78 56.5 44.7 67.1
103 56.2 44.7 67.1





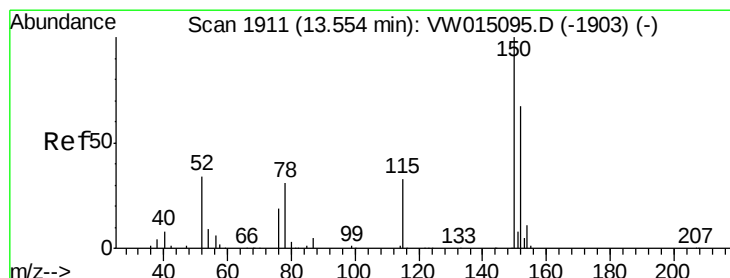
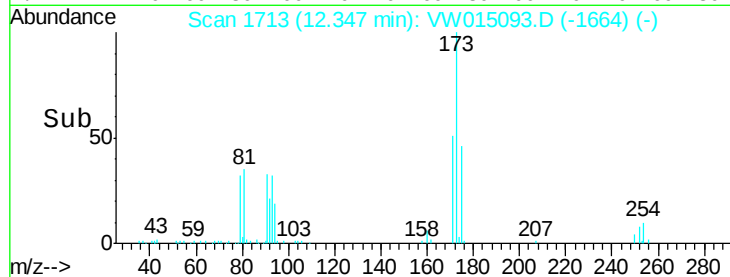
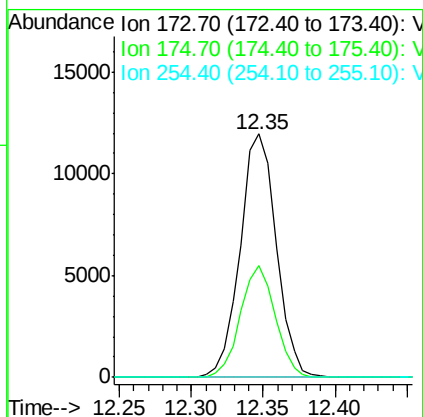
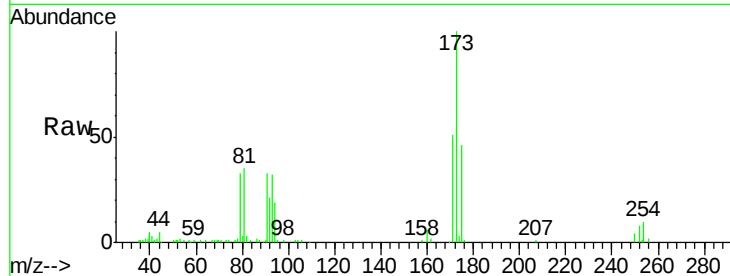
#71
Bromoform
Concen: 9.854 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.1	23.8	71.4
254	0.0	0.1	0.1

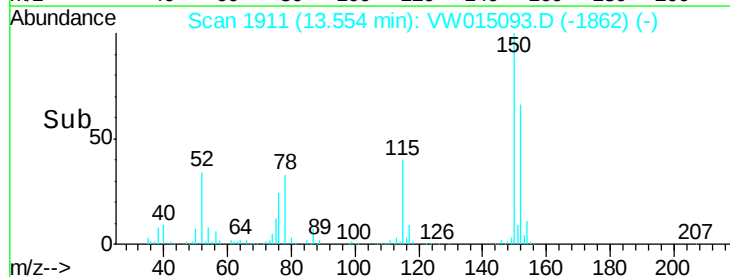
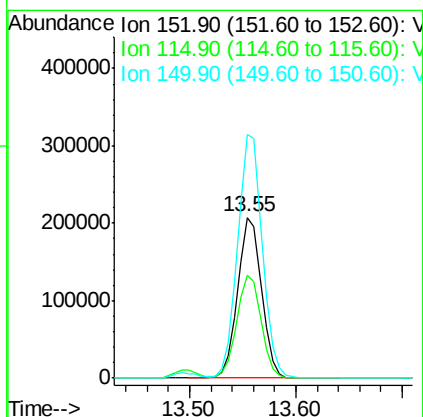
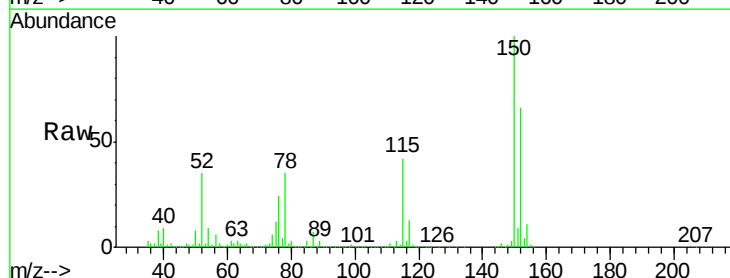
Manual Integrations
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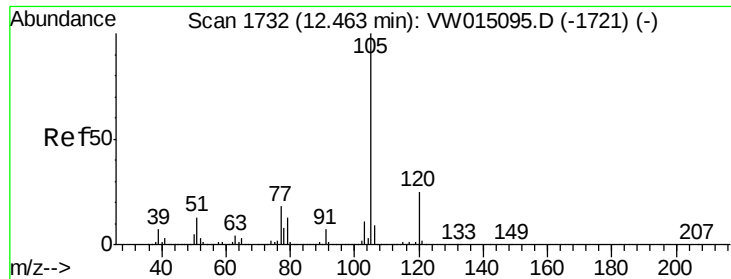
MMDadoda
3/11/2020 3:23:55 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	33.3	99.9
150	157.3	0.0	351.2





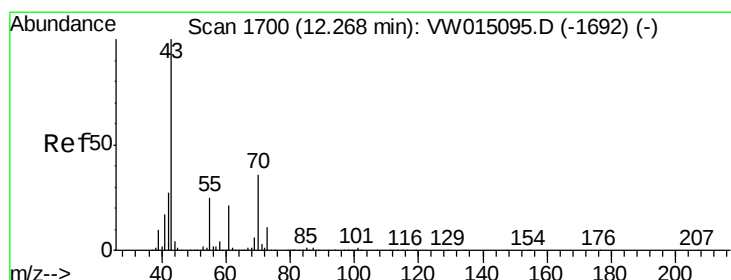
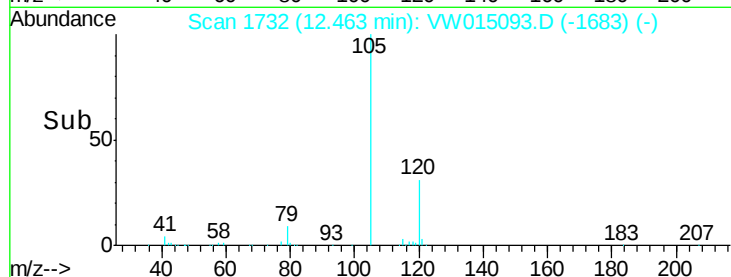
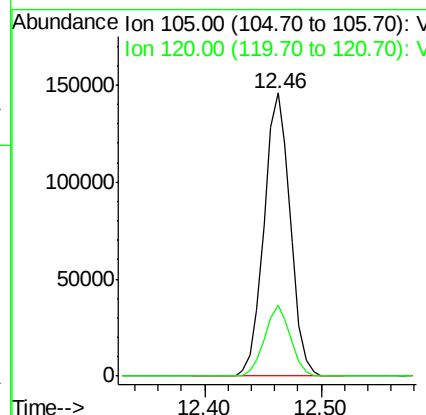
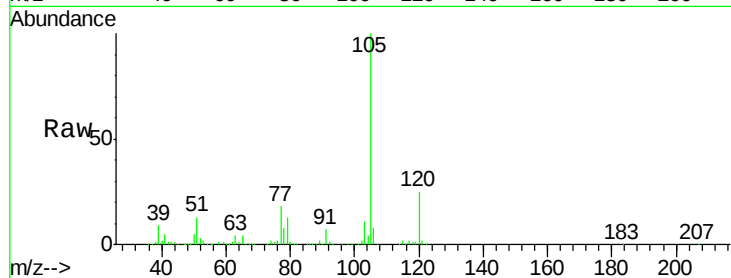
#73
Isopropylbenzene
Concen: 9.156 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.6	37.8

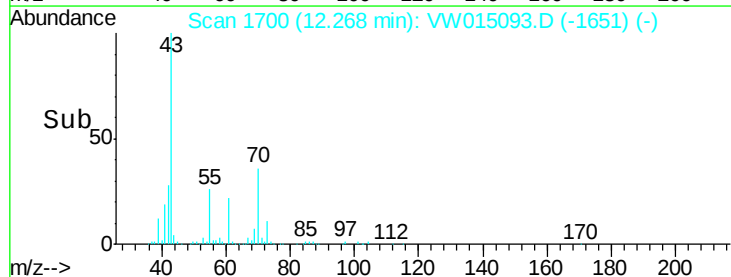
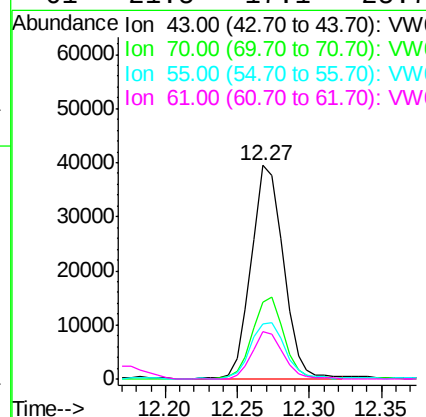
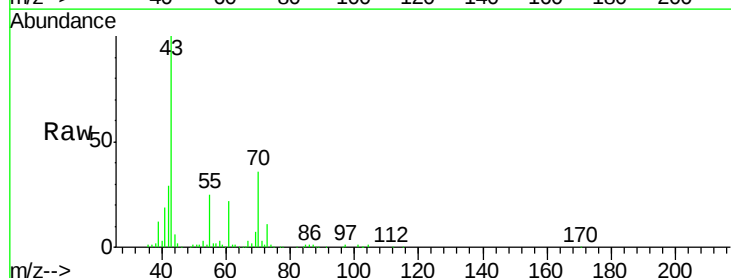
Manual Integrations
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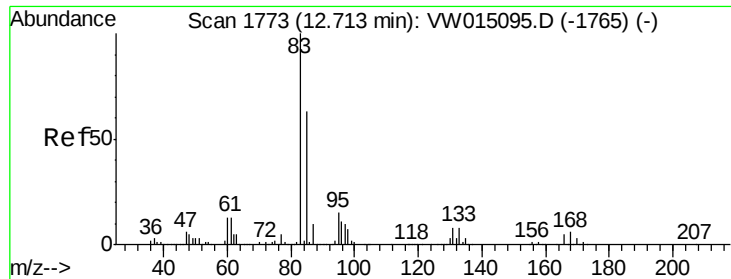
MMDadoda
3/11/2020 3:23:55 PM



#74
N-ethyl acetate
Concen: 8.253 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.0	29.4	44.2
55	29.4	20.3	30.5
61	21.5	17.1	25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 9.679 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

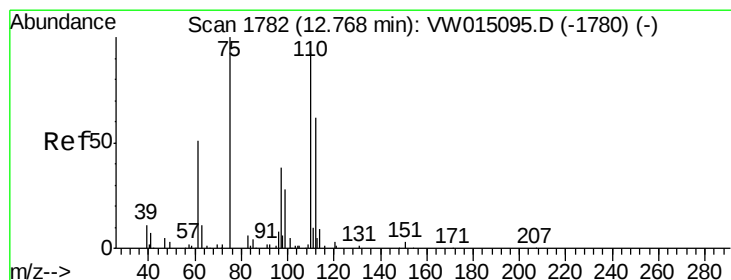
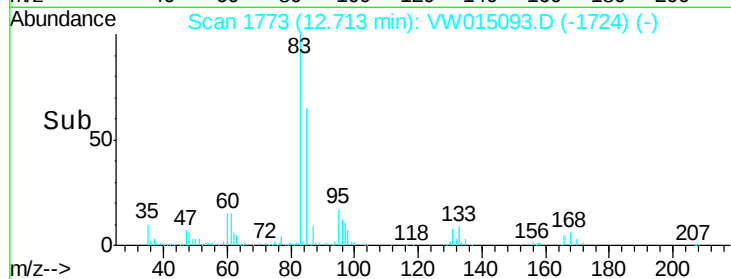
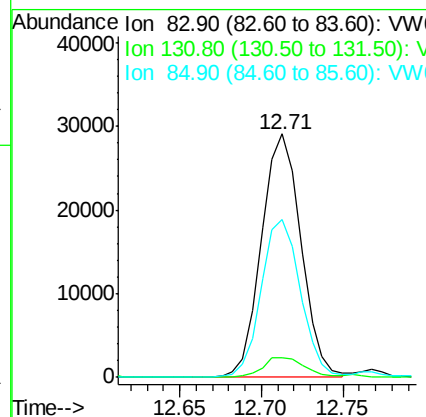
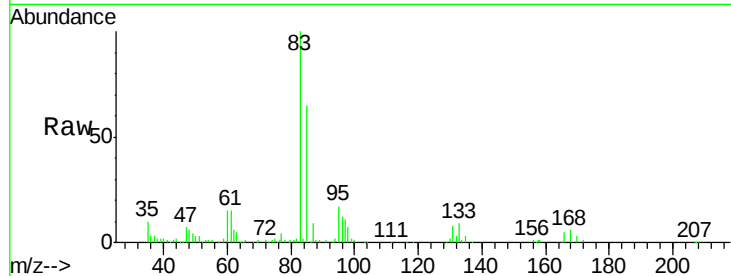
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	49067
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.3	13.1
85	64.2	31.5	94.5

Manual Integrations
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3/11/2020 3:23:55 PM



#76

1,2,3-Trichloropropane

Concen: 6.309 ug/l m

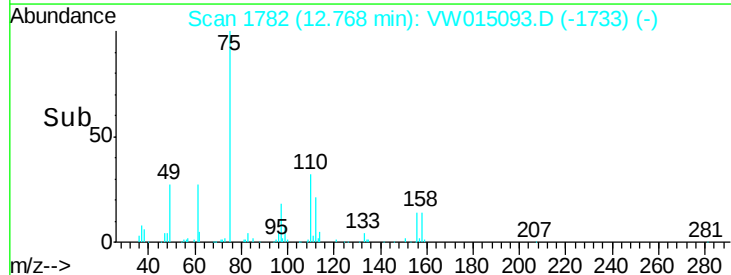
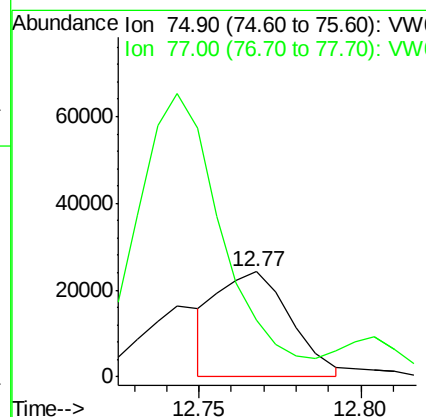
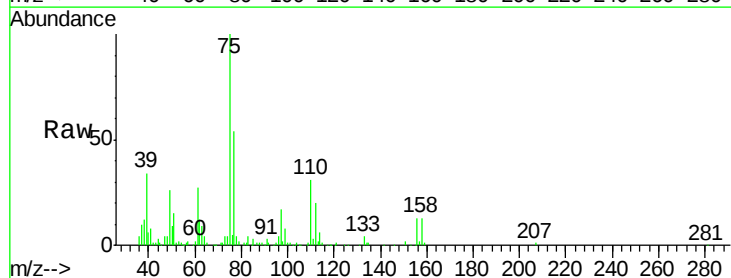
RT: 12.77 min Scan# 1782

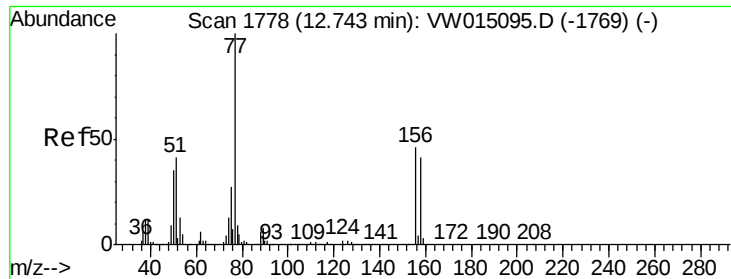
Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Tgt Ion:	75	Resp:	38212
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





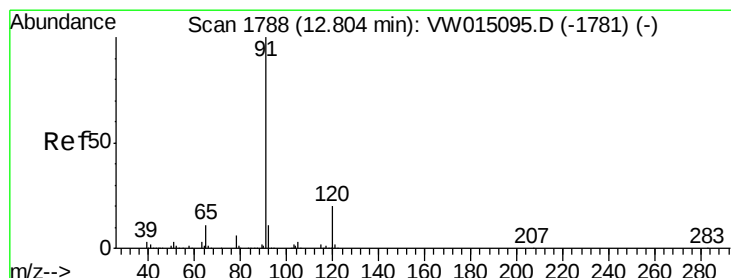
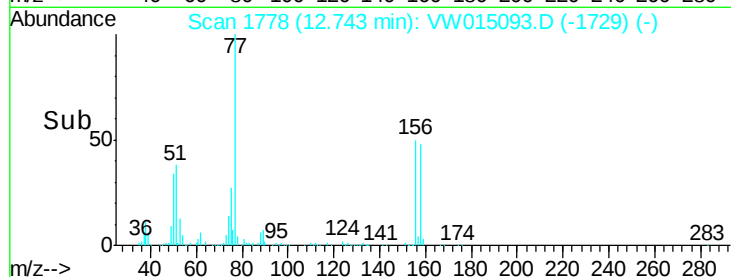
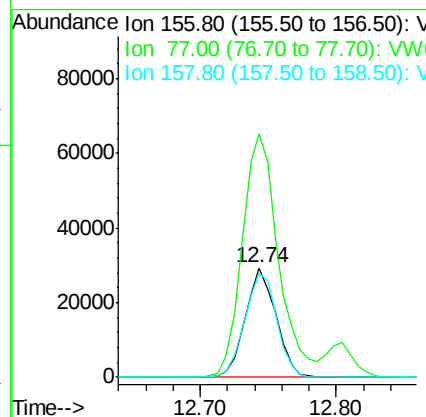
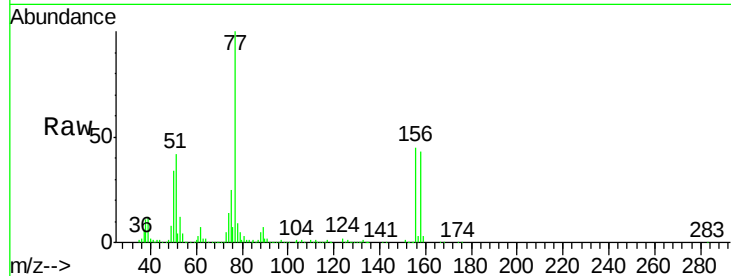
#77
Bromobenzene
Concen: 9.396 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	261.2	126.6	379.8
158	99.6	47.4	142.2

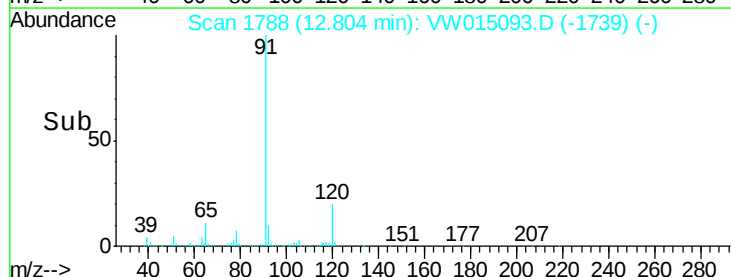
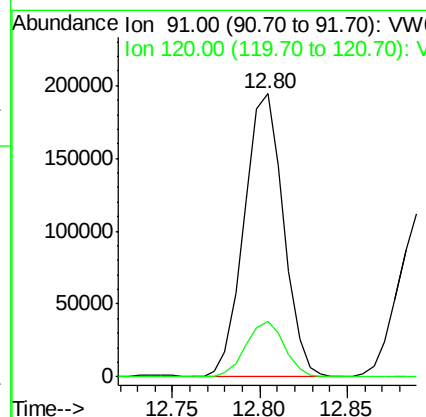
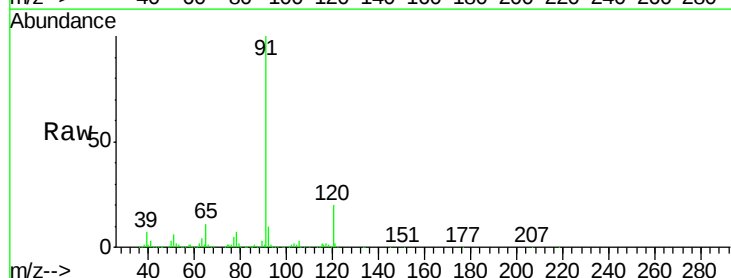
Manual Integrations
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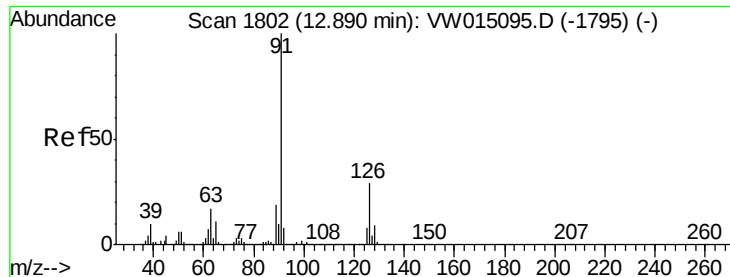
MMDadoda
3/11/2020 3:23:55 PM



#78
n-propylbenzene
Concen: 9.320 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.5	10.2	30.4





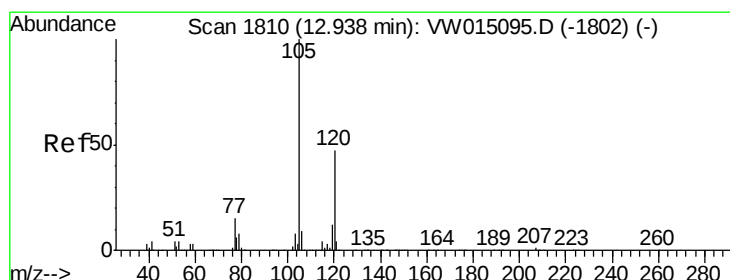
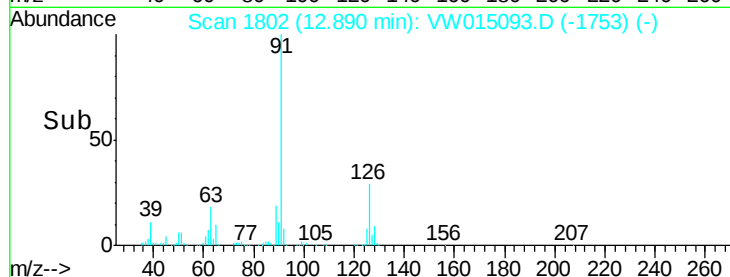
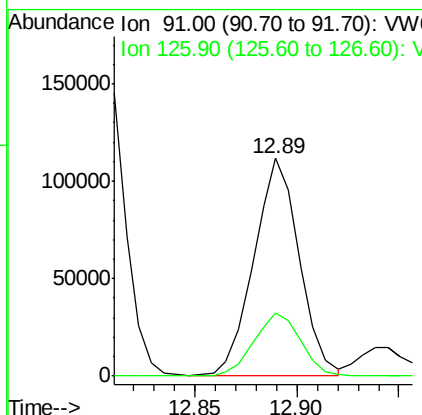
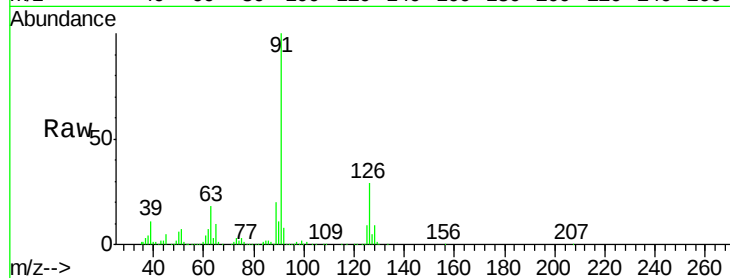
#79
2-Chlorotoluene
Concen: 9.425 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.5	43.6

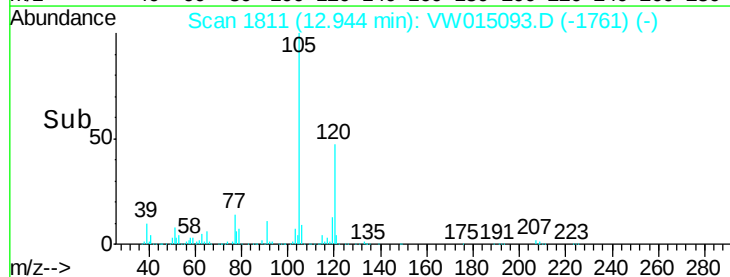
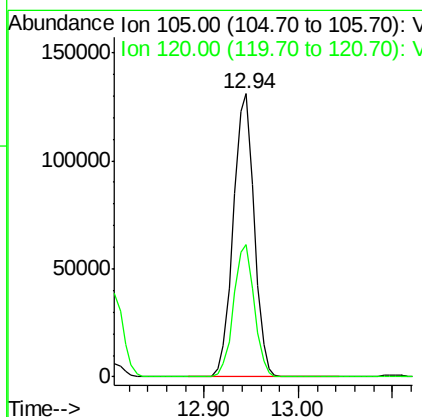
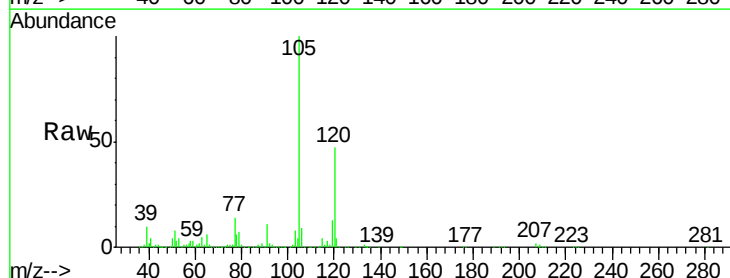
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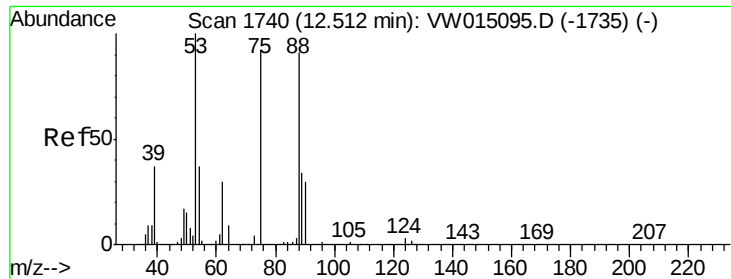
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 9.370 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.3	69.8





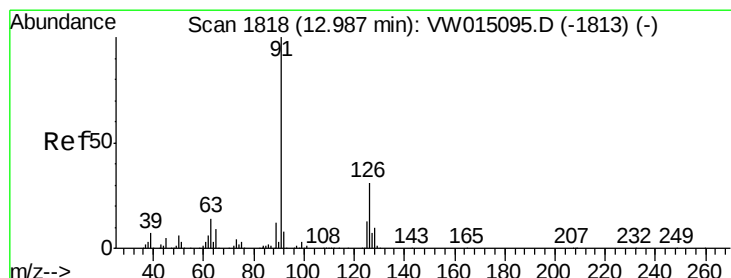
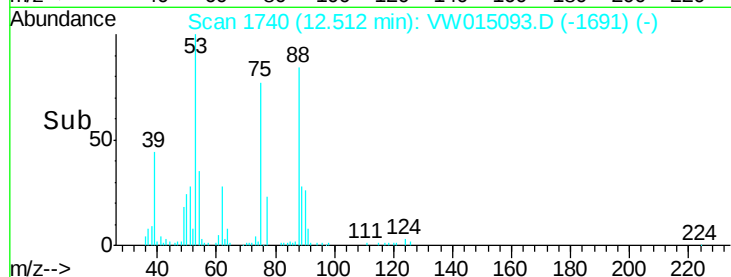
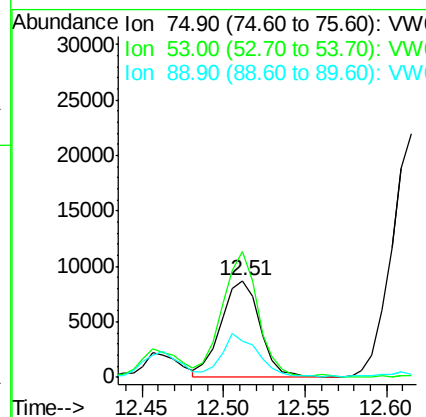
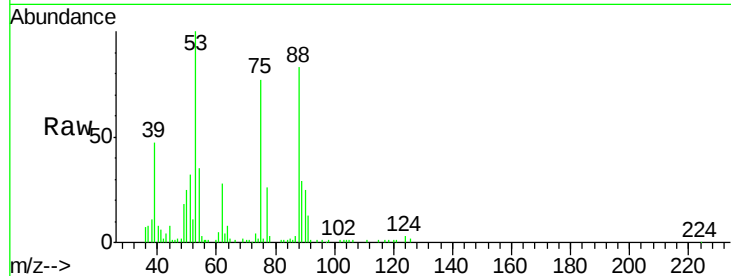
#81
trans-1,4-Dichloro-2-butene
Concen: 8.894 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.1	88.4	132.6
89	42.0	33.1	49.7

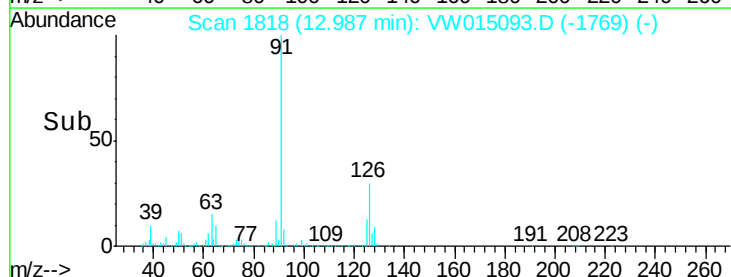
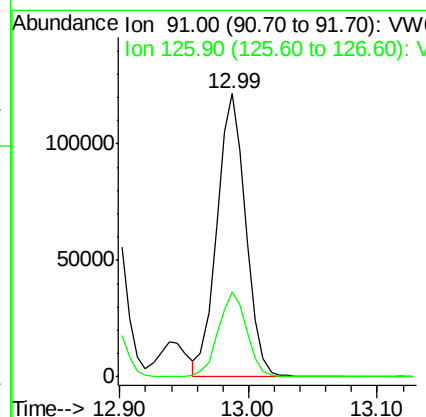
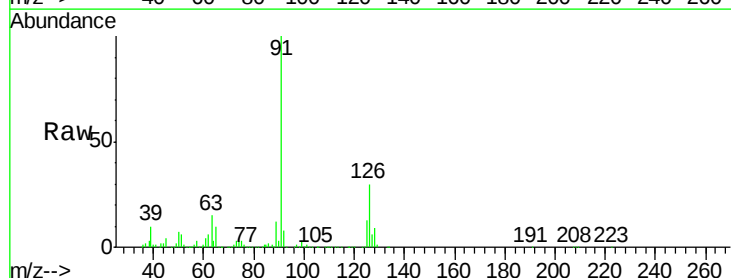
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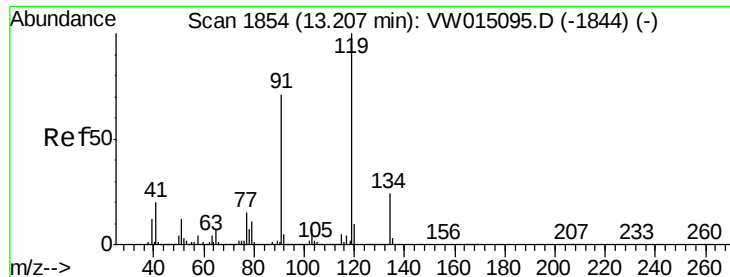
MMDadoda
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#82
4-Chlorotoluene
Concen: 9.732 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.8	44.4





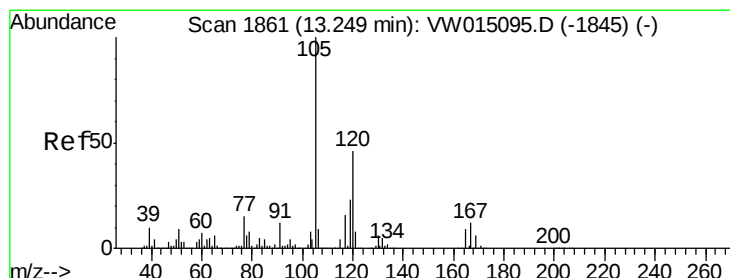
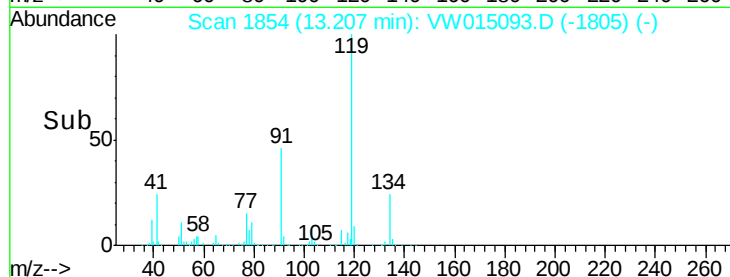
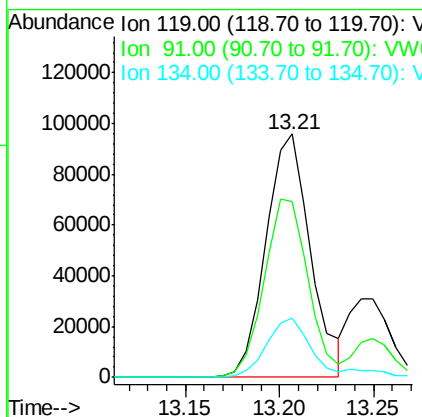
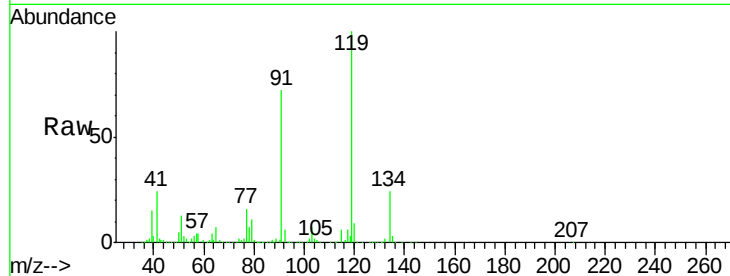
#83
tert-Butylbenzene
Concen: 9.042 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.2	35.7	107.1
134	23.5	12.7	38.1

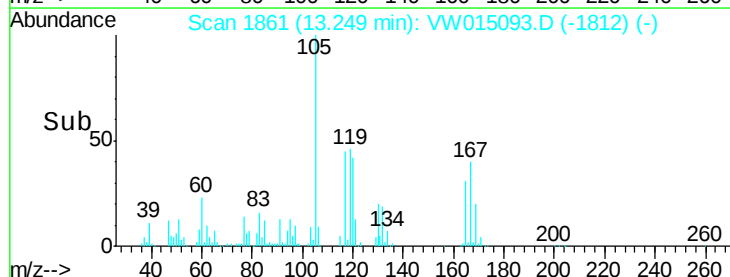
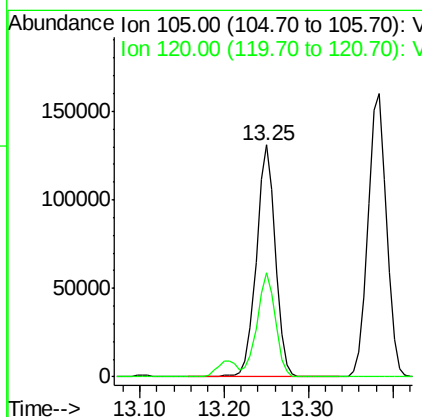
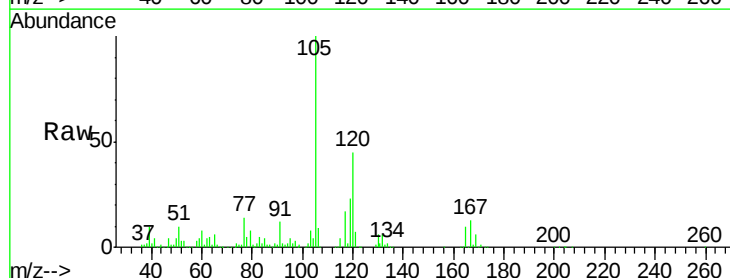
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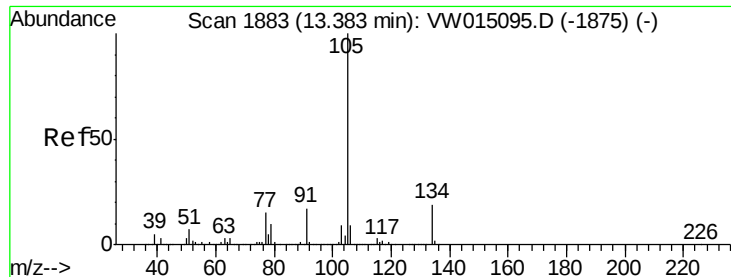
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#84
1,2,4-Trimethylbenzene
Concen: 9.382 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.3





#85

sec-Butylbenzene

Concen: 9.299 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 244722

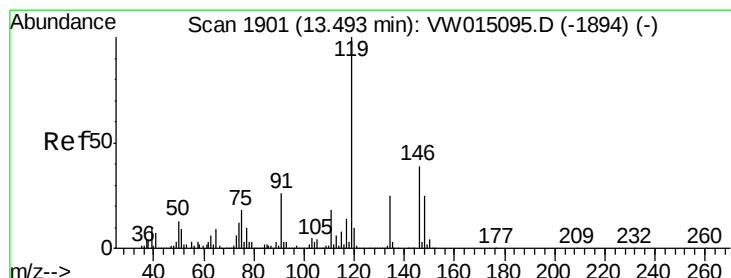
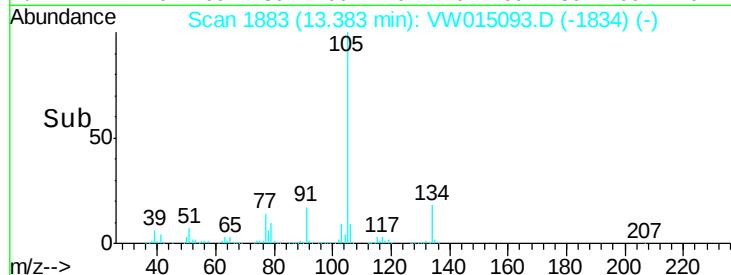
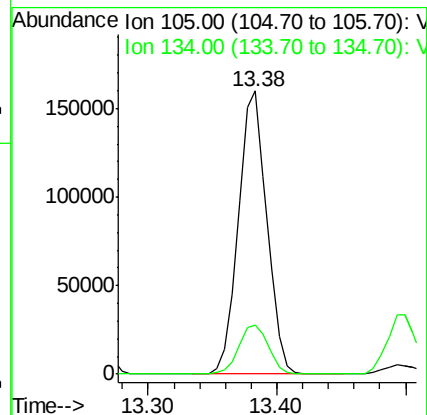
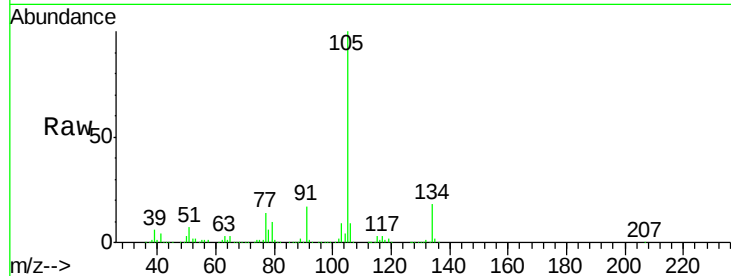
Ion Ratio Lower Upper

105 100

134 18.2 9.0 27.1

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#86

p-Isopropyltoluene

Concen: 9.166 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

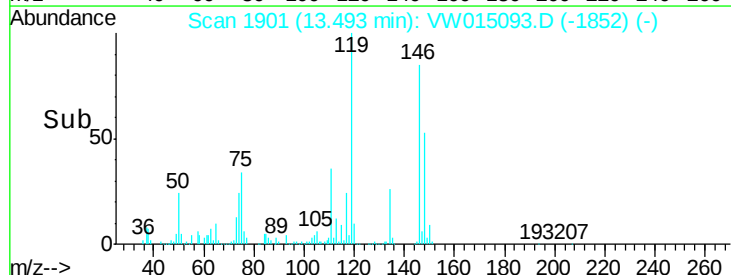
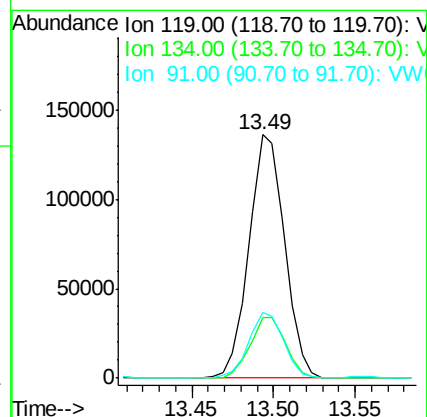
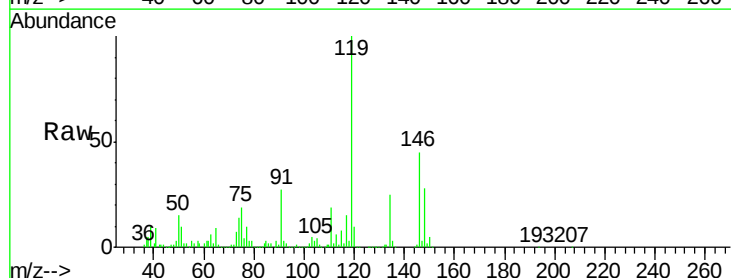
Tgt Ion:119 Resp: 207344

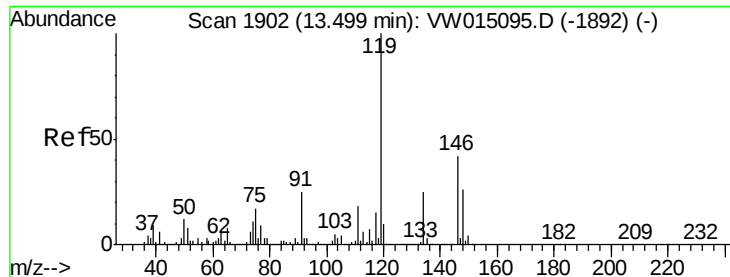
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

91 26.2 12.9 38.6





#87

1,3-Dichlorobenzene

Concen: 9.898 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Instrument :

MSVOA_W

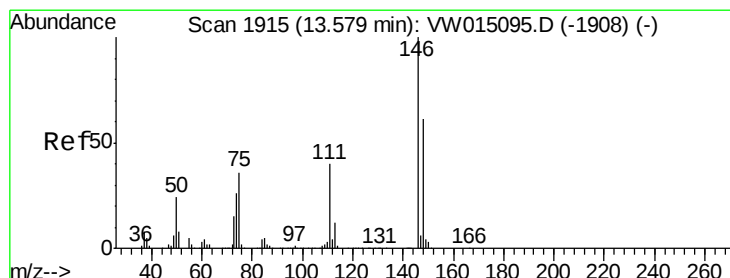
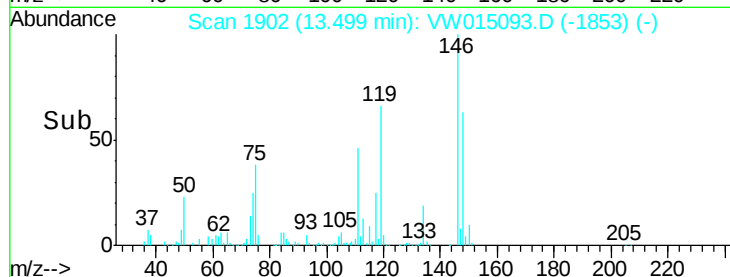
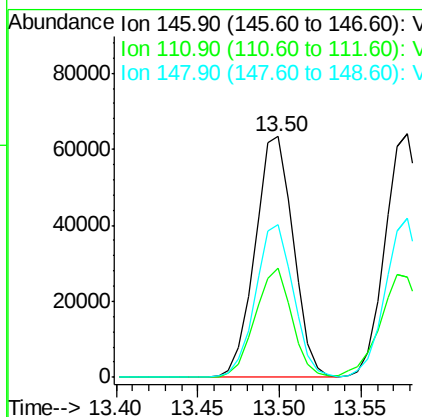
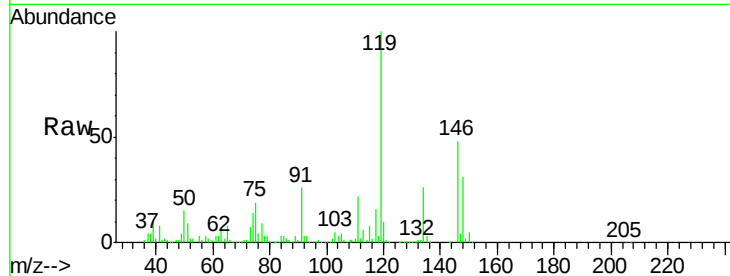
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.5	67.5
148	62.6	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 10.087 ug/l

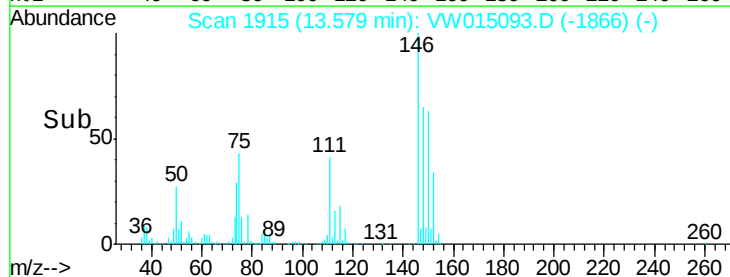
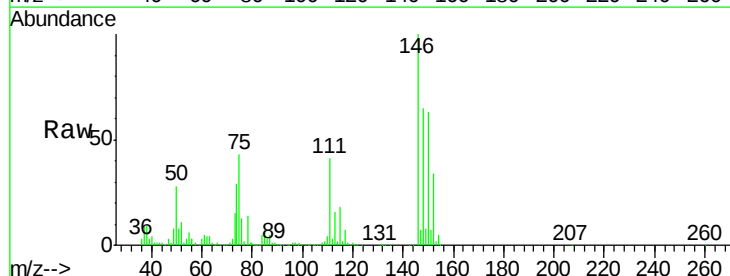
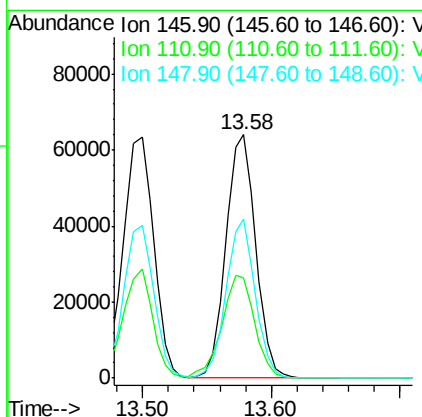
RT: 13.58 min Scan# 1915

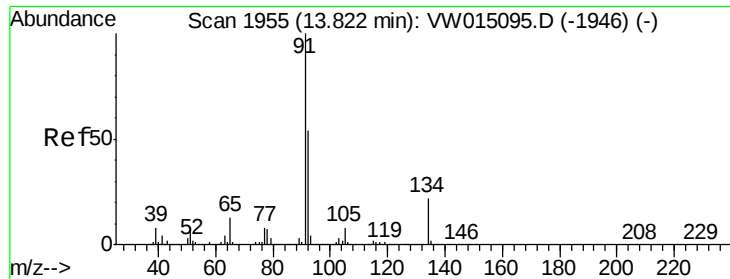
Delta R.T. -0.00 min

Lab File: VW015093.D

Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	21.3	63.9
148	63.8	31.6	94.8





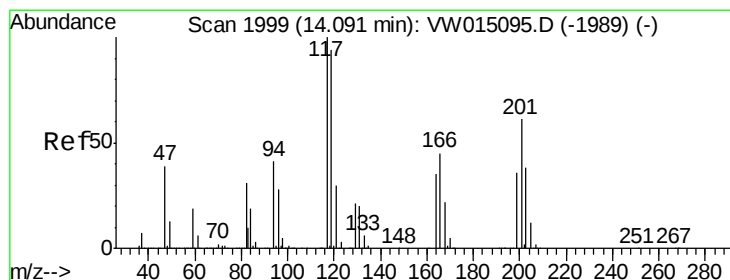
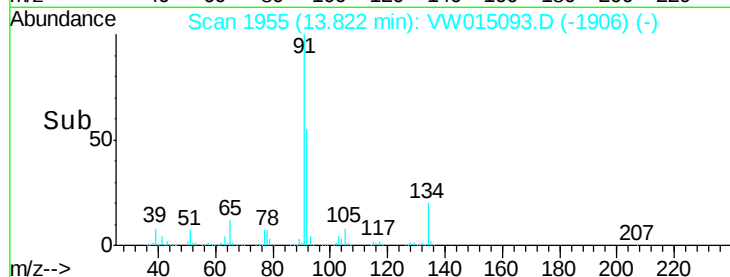
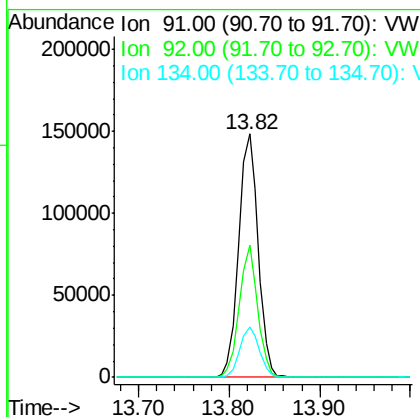
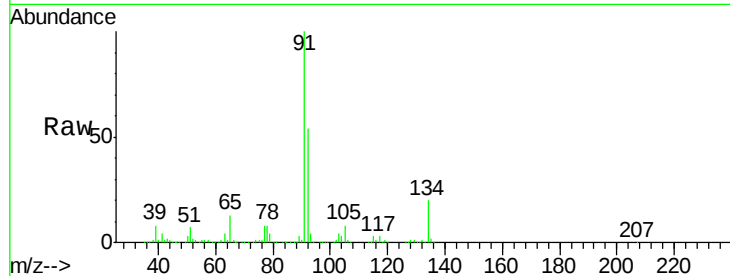
#89
n-Butylbenzene
Concen: 9.087 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	221695		
92	51.2		26.8	80.3
134	20.8		10.8	32.4

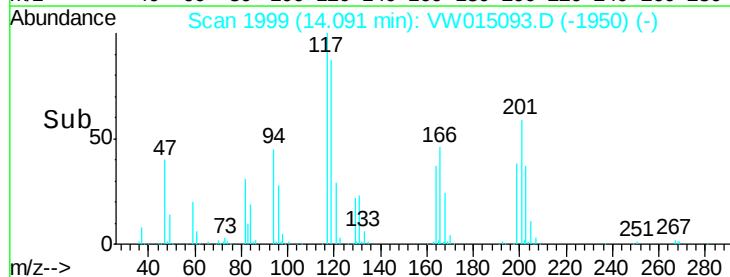
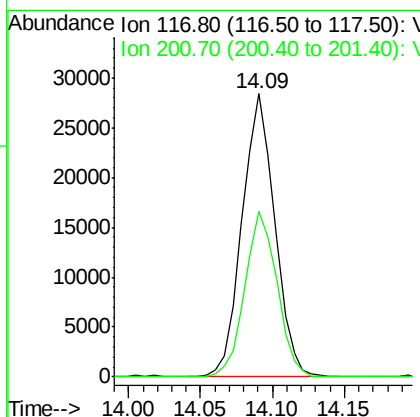
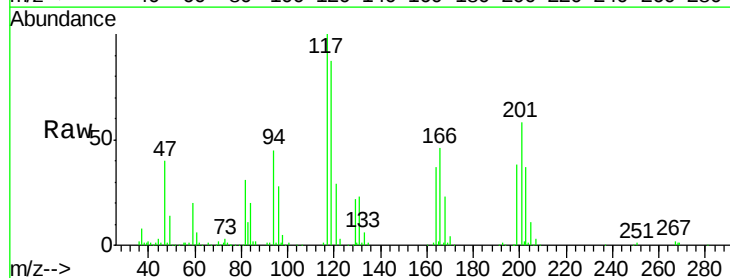
Manual Integrations
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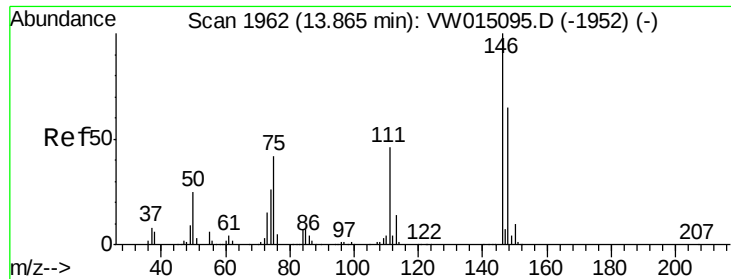
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#90
Hexachloroethane
Concen: 9.852 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44697		
201	57.3		30.3	90.9





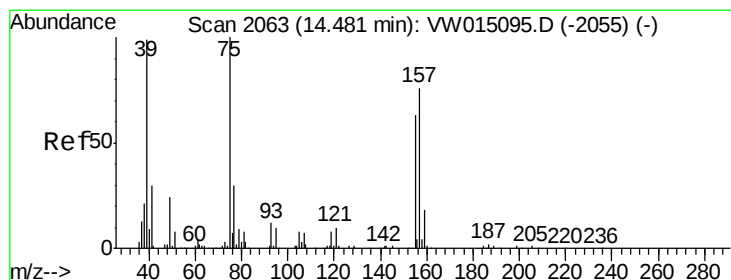
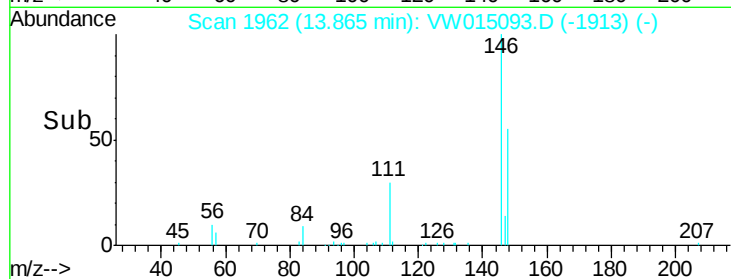
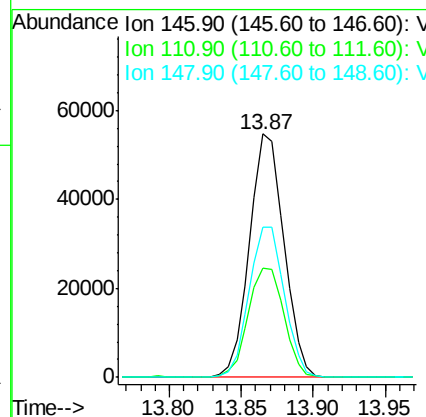
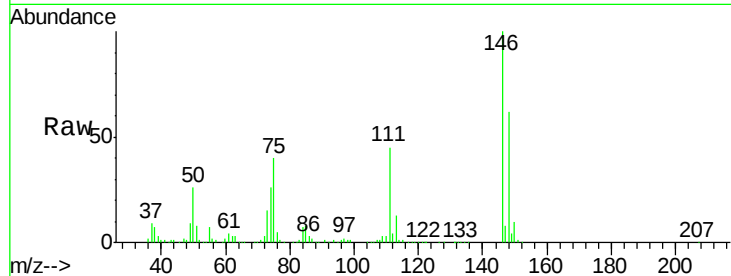
#91
 1,2-Dichlorobenzene
 Concen: 9.891 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.1	69.2
148	63.1	32.3	96.9

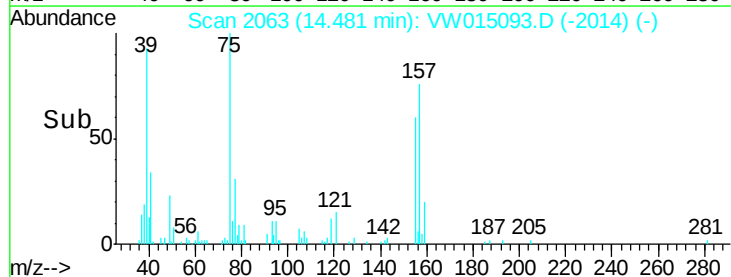
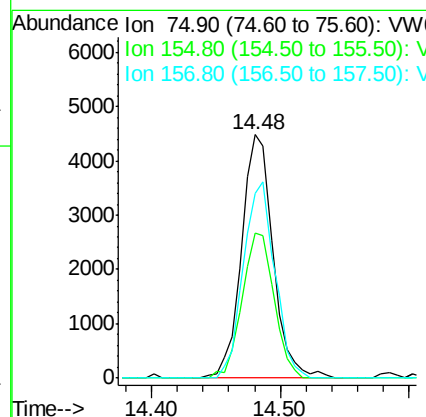
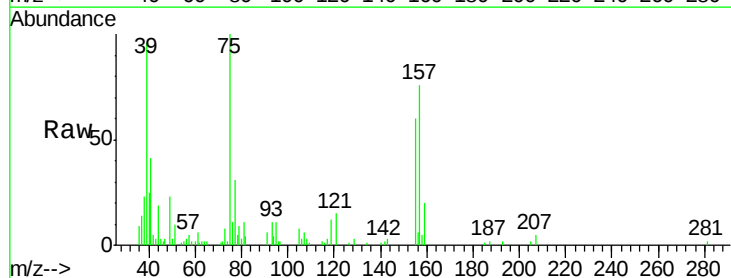
Manual Integrations
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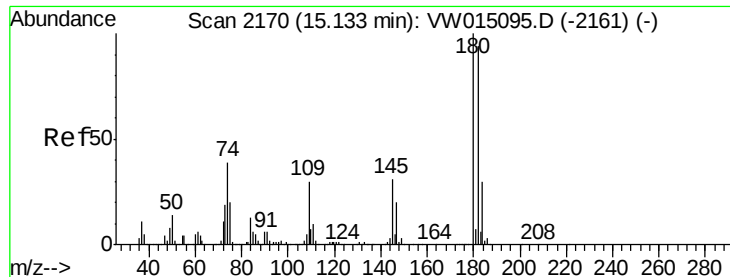
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.293 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.1	32.1	96.3
157	80.4	39.6	118.7





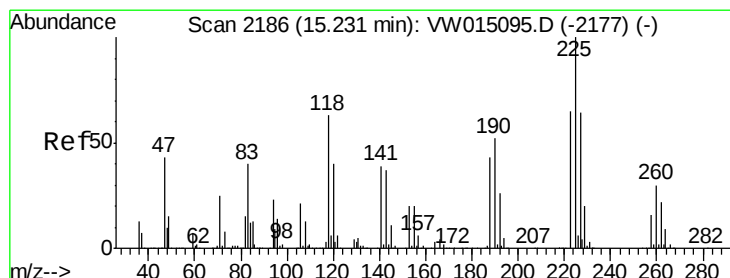
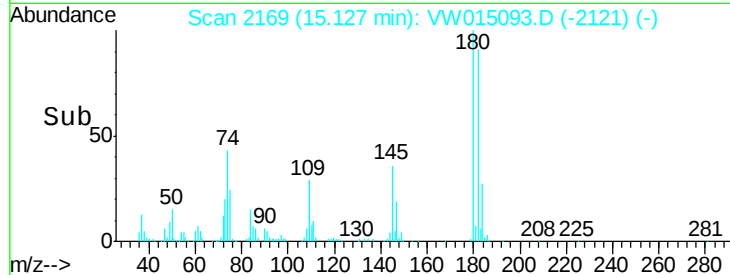
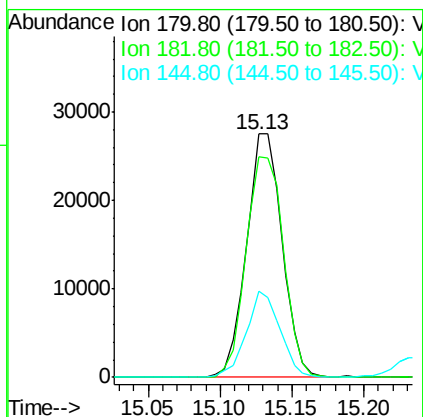
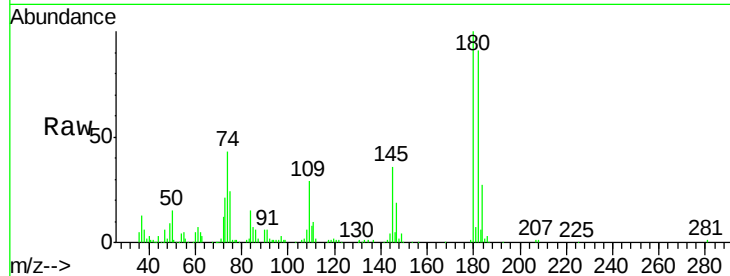
#93
 1,2,4-Trichlorobenzene
 Concen: 8.975 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.9
145	33.4	16.2	48.5

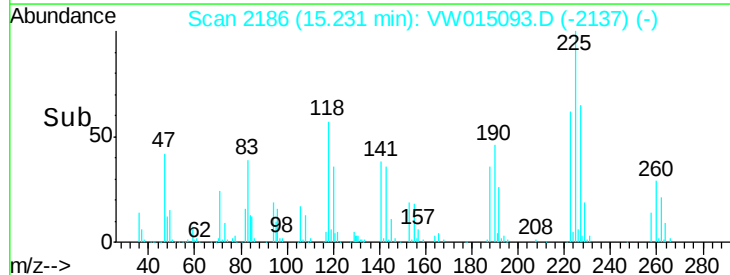
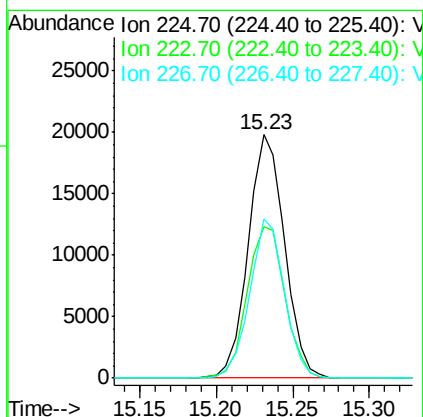
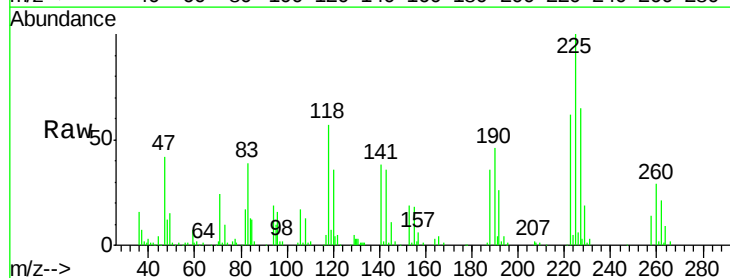
Manual Integrations
 APPROVED

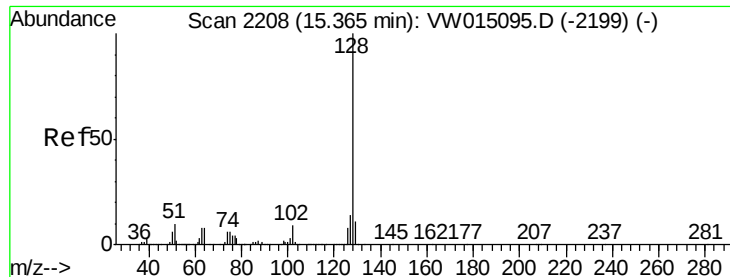
MMDadoda
 3/11/2020 3:23:55 PM



#94
 Hexachlorobutadiene
 Concen: 9.954 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW015093.D
 Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.5	97.4
227	62.3	33.0	99.0





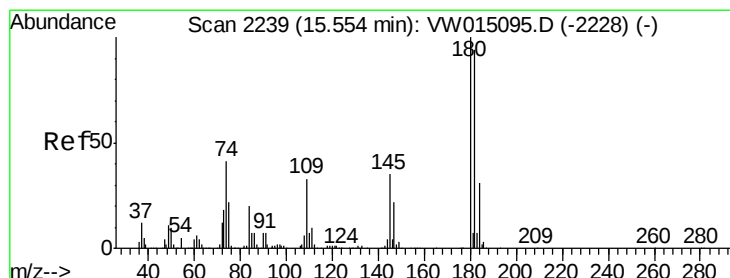
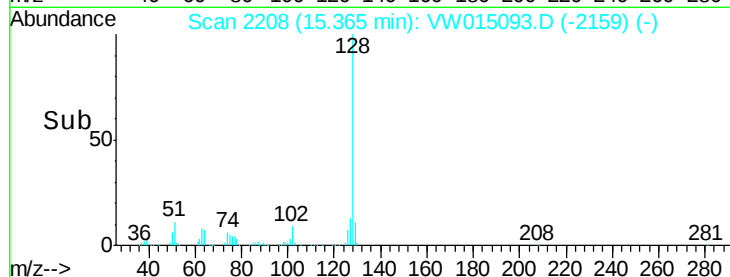
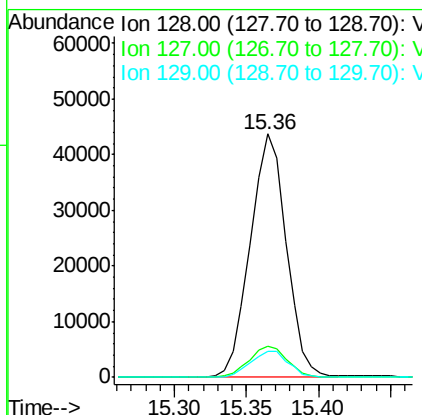
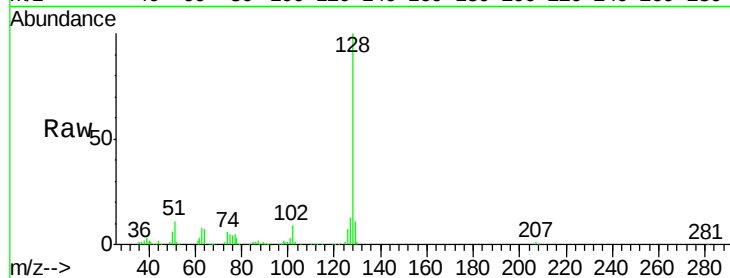
#95
Naphthalene
Concen: 7.751 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.7	16.1
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.338 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015093.D
Acq: 09 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.9	143.7
145	33.4	17.5	52.6

