

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031020\
 Data File : VW015110.D
 Acq On : 10 Mar 2020 13:43
 Operator : SY/VA
 Sample : VW0310SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:22:11 PM

Quant Time: Mar 11 09:11:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	445703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	849062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	762230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	338141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	353976	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
35) Dibromofluoromethane	7.88	113	261493	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.32	98	1137860	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	378211	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	51535	19.069	ug/l	97
3) Chloromethane	2.21	50	115883	19.981	ug/l	97
4) Vinyl Chloride	2.36	62	154193	20.308	ug/l	99
5) Bromomethane	2.78	94	88419	20.373	ug/l	100
6) Chloroethane	2.92	64	87832	19.972	ug/l	99
7) Trichlorofluoromethane	3.26	101	84344	22.198	ug/l	99
8) Diethyl Ether	3.68	74	59766	20.643	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	119555	20.641	ug/l	99
10) Methyl Iodide	4.27	142	133960	20.789	ug/l	98
11) Tert butyl alcohol	5.17	59	41399	109.918	ug/l	98
12) 1,1-Dichloroethene	4.04	96	114973	20.303	ug/l	98
13) Acrolein	3.89	56	57696	104.743	ug/l	99
14) Allyl chloride	4.67	41	240226	21.168	ug/l	98
15) Acrylonitrile	5.36	53	145428	97.995	ug/l	98
16) Acetone	4.12	43	134974	90.308	ug/l	95
17) Carbon Disulfide	4.38	76	404988	20.171	ug/l	97
18) Methyl Acetate	4.67	43	71875	20.287	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	156489	21.587	ug/l	98
20) Methylene Chloride	4.92	84	140499	20.747	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	128462	21.366	ug/l	98
22) Diisopropyl ether	6.31	45	489453	22.477	ug/l	99
23) Vinyl Acetate	6.25	43	1342836	104.465	ug/l	99
24) 1,1-Dichloroethane	6.22	63	268784	21.167	ug/l	99
25) 2-Butanone	7.17	43	197977	96.625	ug/l	97
26) 2,2-Dichloropropane	7.17	77	161367	22.219	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	132767	21.210	ug/l	97
28) Bromochloromethane	7.51	49	124619	20.481	ug/l	97
29) Tetrahydrofuran	7.52	42	124452	97.107	ug/l	99
30) Chloroform	7.68	83	240349	21.329	ug/l	99
31) Cyclohexane	7.95	56	273397	20.934	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	188030	21.370	ug/l	100
36) 1,1-Dichloropropene	8.09	75	203784	20.696	ug/l	99
37) Ethyl Acetate	7.25	43	94006	19.156	ug/l	99
38) Carbon Tetrachloride	8.07	117	162326	20.251	ug/l	97

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 Operator : SY/VA
 Sample : VW0310SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBS01

Manual Integrations
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Quant Time: Mar 11 09:11:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	226993	20.162	ug/l	98
40) Benzene	8.32	78	571523	20.886	ug/l	99
41) Methacrylonitrile	7.48	41	51416	19.811	ug/l	93
42) 1,2-Dichloroethane	8.40	62	170539	20.457	ug/l	100
43) Isopropyl Acetate	8.42	43	171588	19.503	ug/l	99
44) Trichloroethene	9.09	130	115911	19.900	ug/l	97
45) 1,2-Dichloropropane	9.37	63	153641	20.849	ug/l	99
46) Dibromomethane	9.46	93	63465	19.806	ug/l	99
47) Bromodichloromethane	9.64	83	172242	20.134	ug/l	99
48) Methyl methacrylate	9.43	41	77837	18.919	ug/l	98
49) 1,4-Dioxane	9.44	88	17328	353.212	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	442275	91.013	ug/l	99
52) Toluene	10.38	92	327402	20.828	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	165817	19.702	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	208090	20.297	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	86866	19.785	ug/l	98
56) Ethyl methacrylate	10.65	69	109175	18.583	ug/l	98
57) 1,3-Dichloropropane	10.93	76	168106	20.111	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	319460	96.105	ug/l	100
59) 2-Hexanone	10.97	43	285204	88.336	ug/l	98
60) Dibromochloromethane	11.13	129	89279	19.688	ug/l	99
61) 1,2-Dibromoethane	11.23	107	76043	19.536	ug/l	100
64) Tetrachloroethene	10.86	164	87645	19.925	ug/l	97
65) Chlorobenzene	11.66	112	312167	20.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	100568	19.740	ug/l	99
67) Ethyl Benzene	11.73	91	615450	20.672	ug/l	99
68) m/p-Xylenes	11.84	106	437485	41.567	ug/l	100
69) o-Xylene	12.16	106	192434	20.297	ug/l	98
70) Styrene	12.18	104	338522	20.839	ug/l	99
71) Bromoform	12.35	173	42038	18.593	ug/l #	98
73) Isopropylbenzene	12.46	105	543893	21.057	ug/l	100
74) N-amyl acetate	12.27	43	149041	19.179	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	104889	19.998	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82190m	21.506	ug/l	
77) Bromobenzene	12.74	156	106298	20.821	ug/l	100
78) n-propylbenzene	12.80	91	728132	21.691	ug/l	99
79) 2-Chlorotoluene	12.89	91	400223	21.206	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	477100	21.482	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	30913	18.270	ug/l	96
82) 4-Chlorotoluene	12.99	91	428225	21.306	ug/l	100
83) tert-Butylbenzene	13.21	119	373131	20.739	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	470984	21.209	ug/l	99
85) sec-Butylbenzene	13.38	105	577466	21.207	ug/l	100
86) p-Isopropyltoluene	13.49	119	493619	21.090	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	223823	20.691	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	220752	20.725	ug/l	99
89) n-Butylbenzene	13.82	91	533635	21.141	ug/l	99
90) Hexachloroethane	14.09	117	93247	19.865	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	194527	20.533	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16542	19.640	ug/l	90

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Operator : SY/VA
Sample : VW0310SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Manual Integrations
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Quant Time: Mar 11 09:11:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 09 18:51:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	107437	19.817	ug/l	99
94) Hexachlorobutadiene	15.23	225	68982	20.266	ug/l	97
95) Naphthalene	15.36	128	180305	17.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	90805	18.884	ug/l	99

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

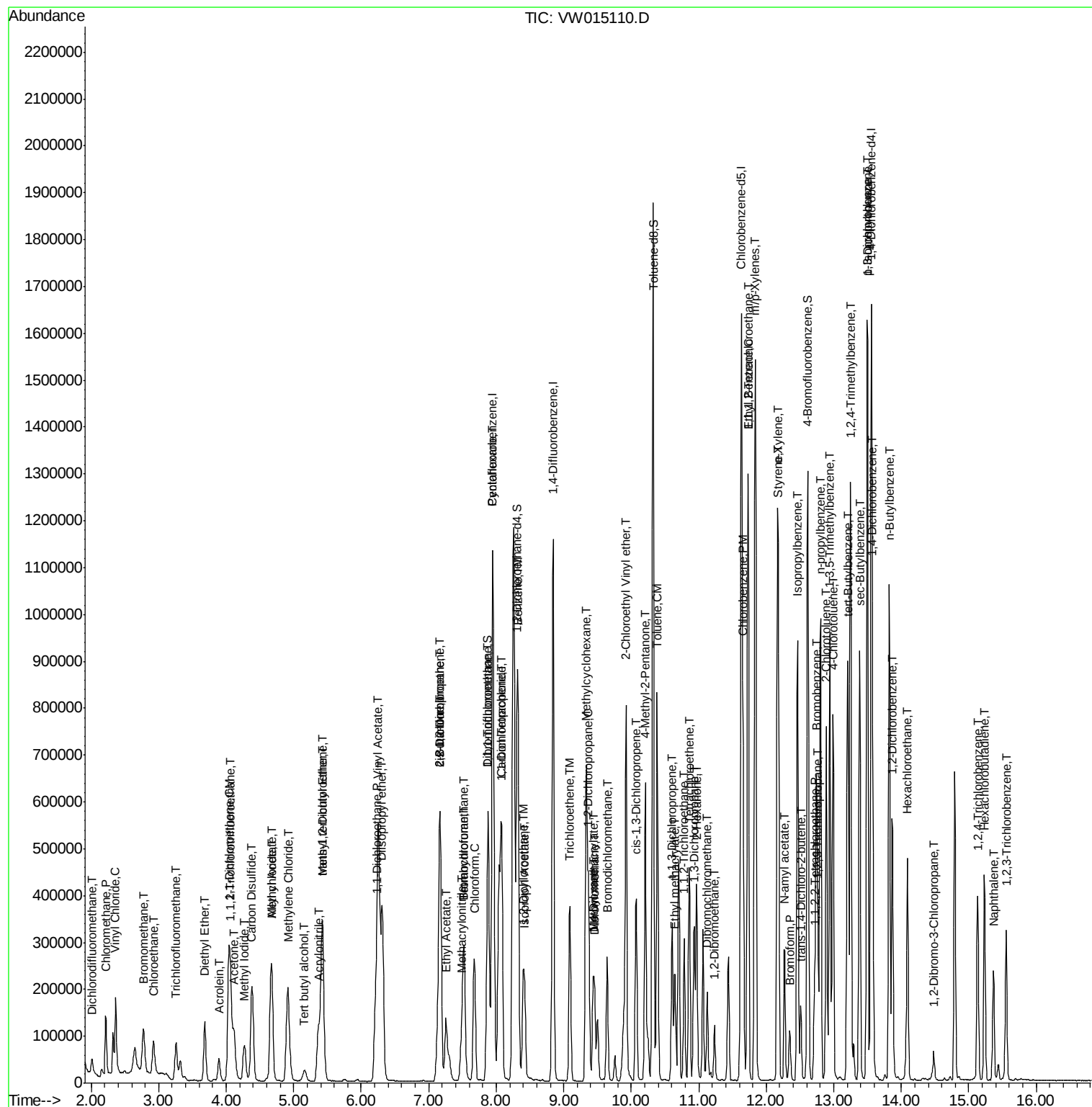
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Data File : VW015110.D
Acq On : 10 Mar 2020 13:43
Operator : SY/VA
Sample : VW0310SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

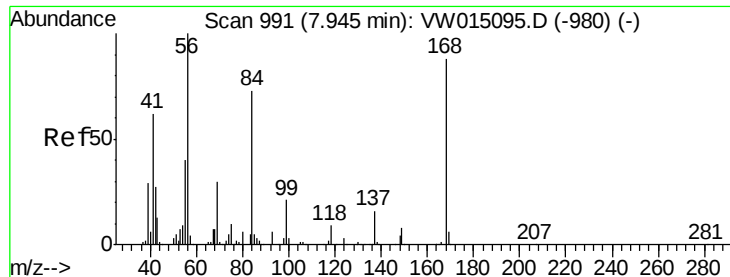
Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Manual Integrations
APPROVED

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Quant Time: Mar 11 09:11:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 09 18:51:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion:168 Resp: 445703

Ion Ratio Lower Upper

168 100

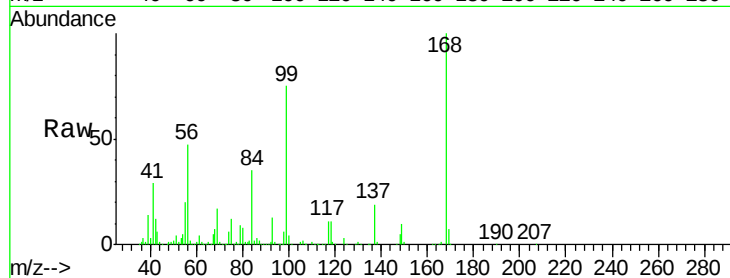
99 74.5 57.2 85.8

Manual Integrations

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3/11/2020 3:22:11 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

50000

0

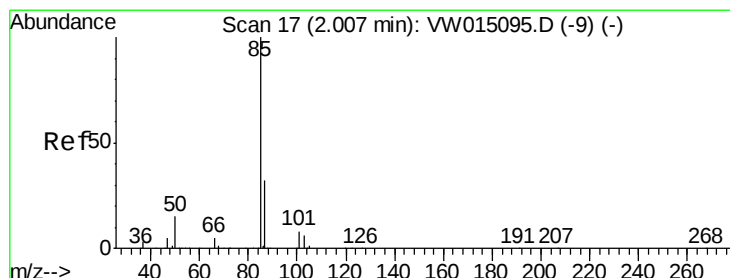
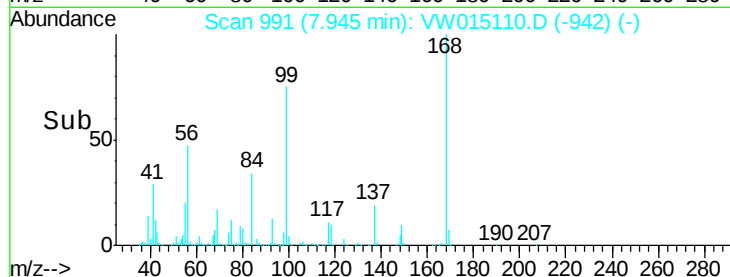
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.069 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015110.D

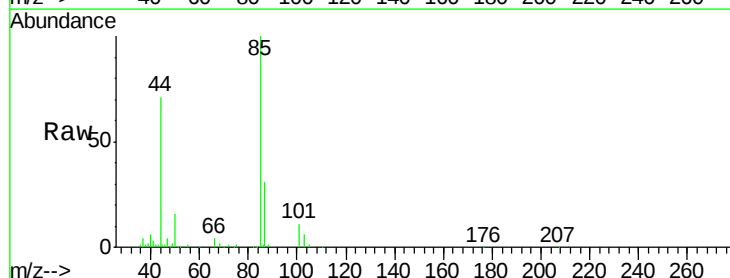
Acq: 10 Mar 2020 13:43

Tgt Ion: 85 Resp: 51535

Ion Ratio Lower Upper

85 100

87 30.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

10000

5000

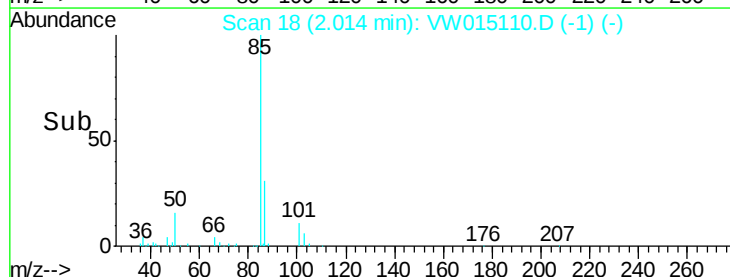
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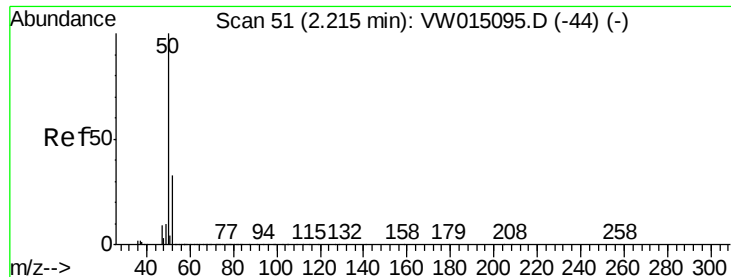
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 19.981 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion: 50 Resp: 115883

Ion Ratio Lower Upper

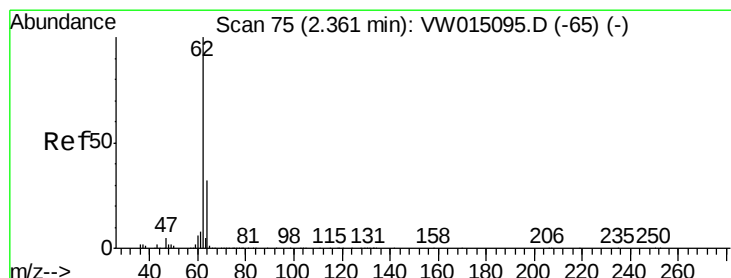
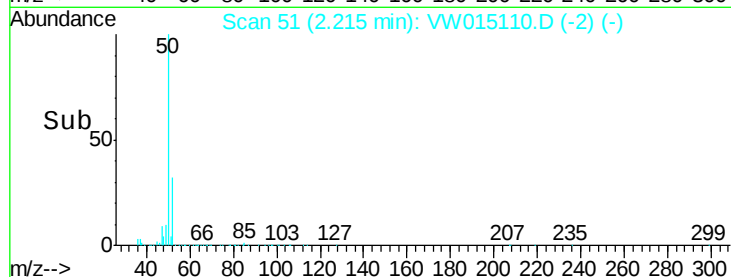
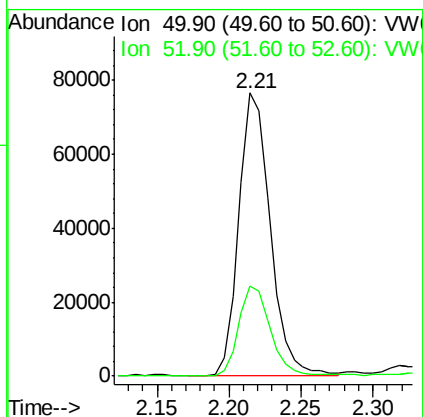
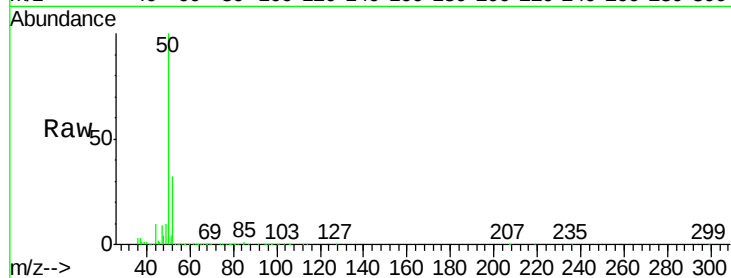
50 100

52 31.5 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.308 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015110.D

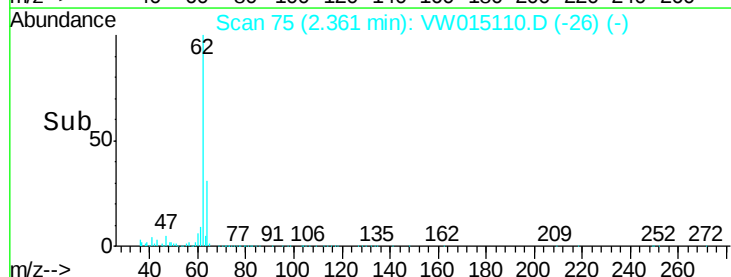
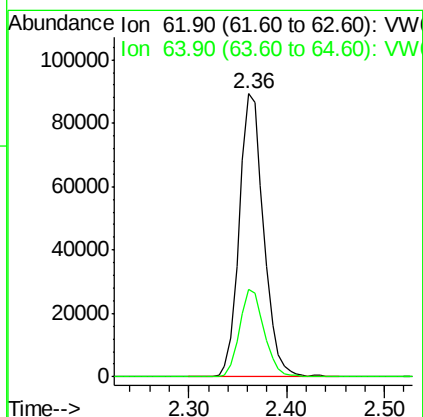
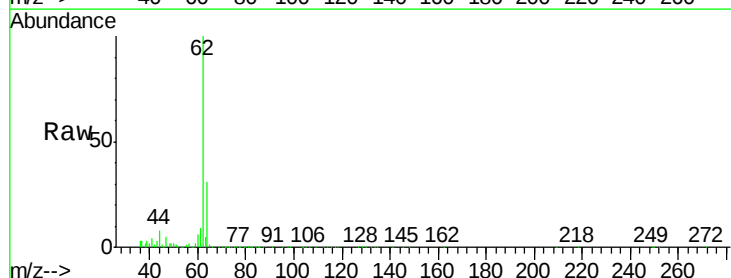
Acq: 10 Mar 2020 13:43

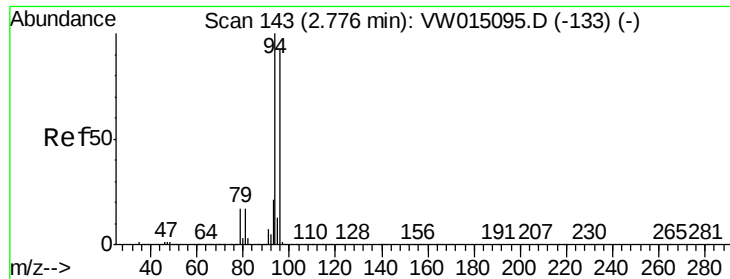
Tgt Ion: 62 Resp: 154193

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 20.373 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion: 94 Resp: 88419

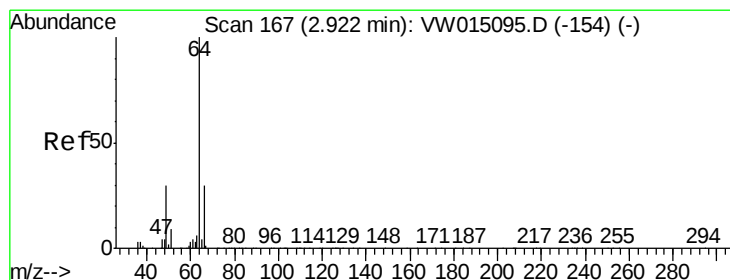
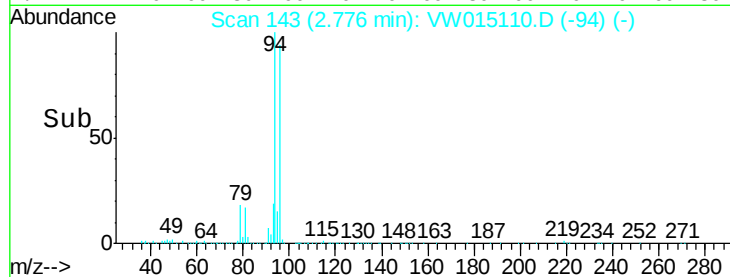
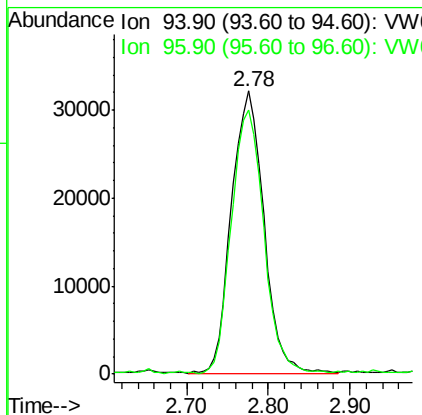
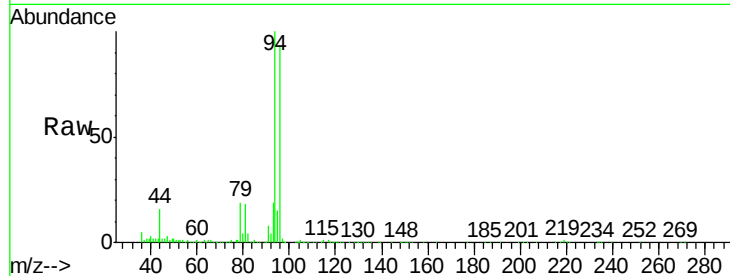
Ion Ratio Lower Upper

94 100

96 92.8 74.0 111.0

Manual Integrations
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#6

Chloroethane

Concen: 19.972 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015110.D

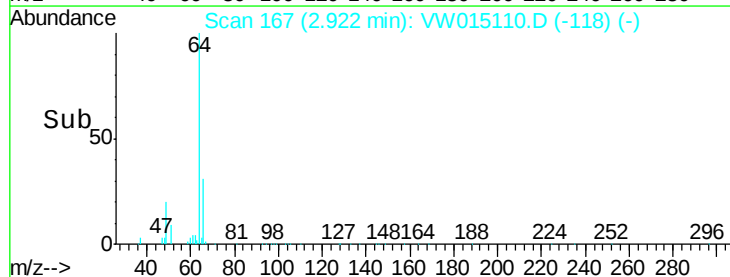
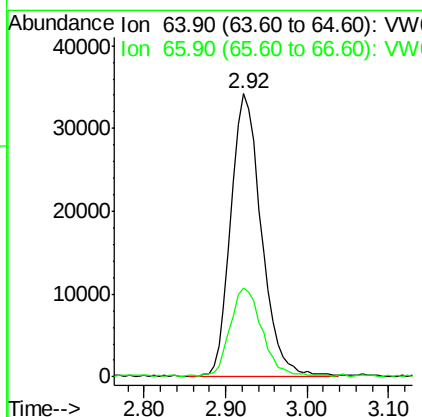
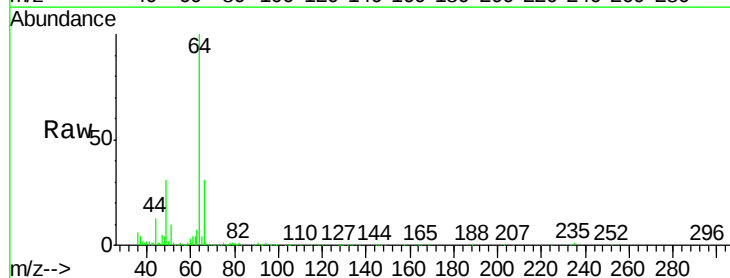
Acq: 10 Mar 2020 13:43

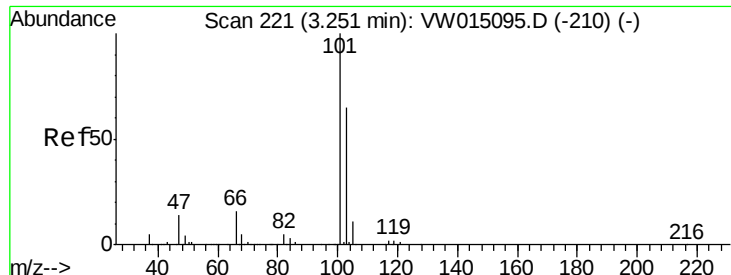
Tgt Ion: 64 Resp: 87832

Ion Ratio Lower Upper

64 100

66 30.9 24.2 36.2





#7

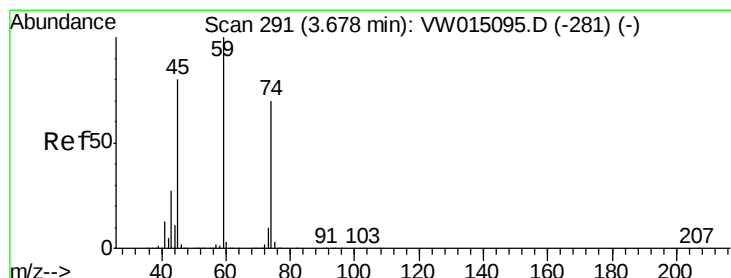
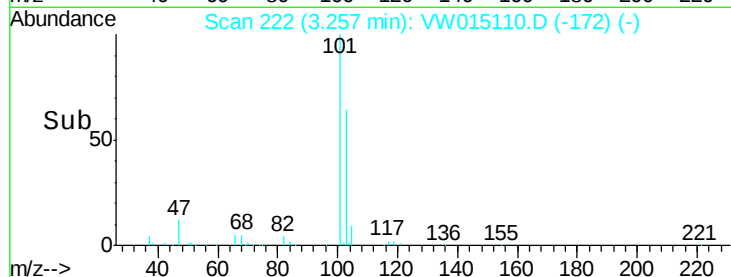
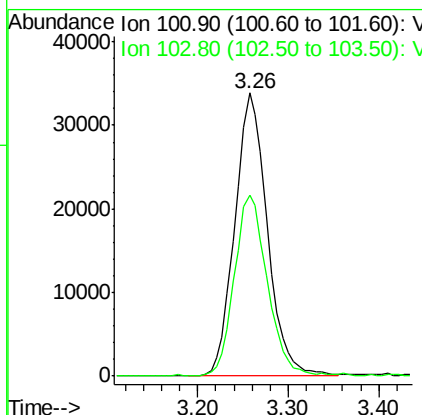
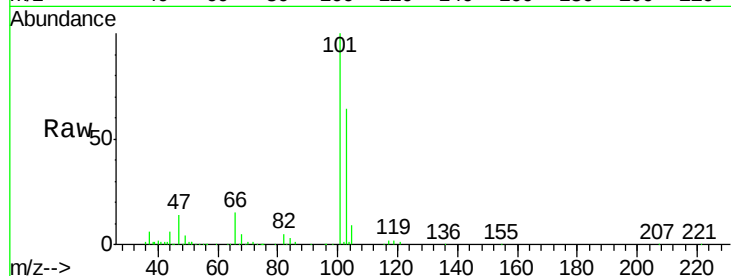
Trichlorofluoromethane
 Concen: 22.198 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.8	77.6

Manual Integrations
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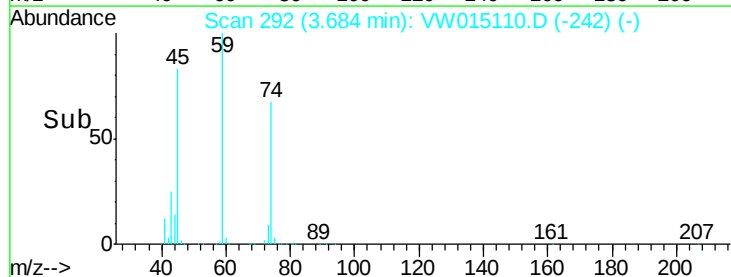
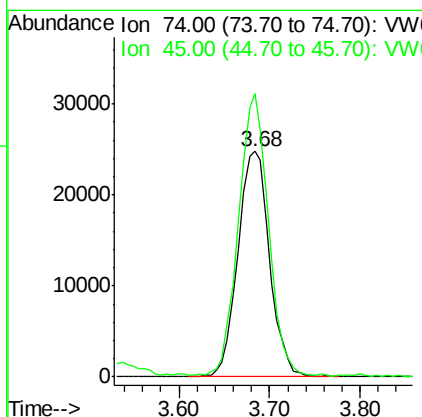
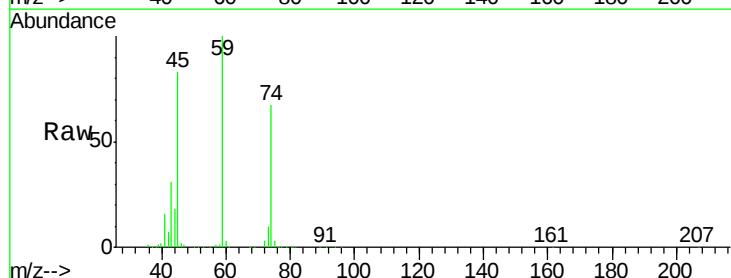
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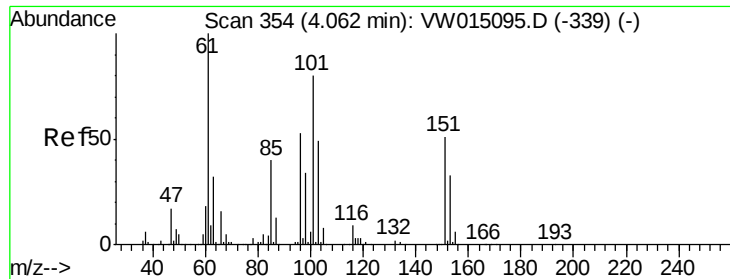


#8

Diethyl Ether
 Concen: 20.643 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.3	59.2	177.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.641 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

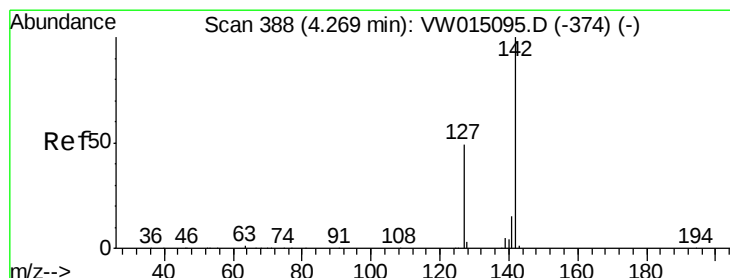
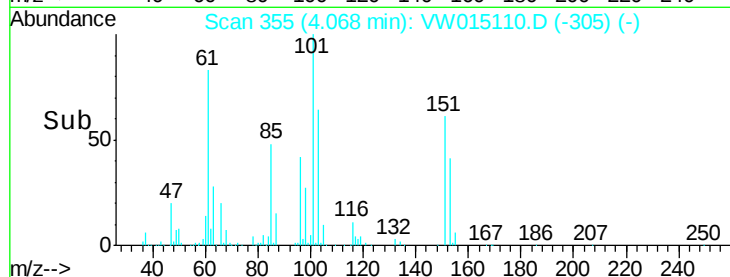
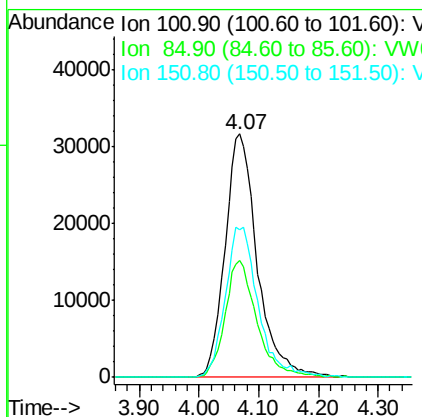
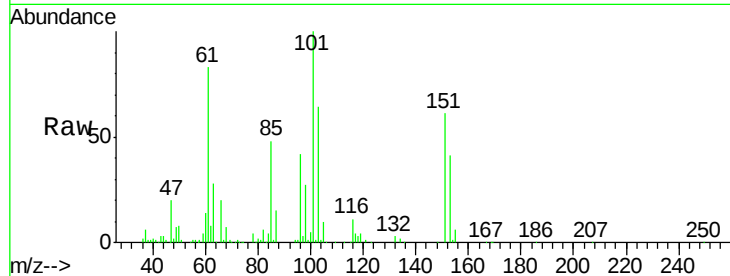
ClientSampleId :

VW0310SBSD01

Tot Ion:	101	Resp:	119555
Ion Ratio	Lower	Upper	
101	100		
85	47.3	39.0	58.4
151	62.8	50.8	76.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.789 ug/l

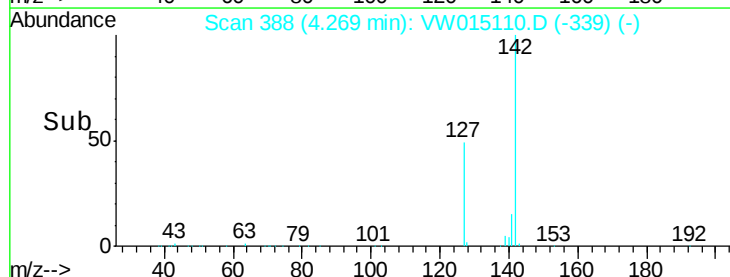
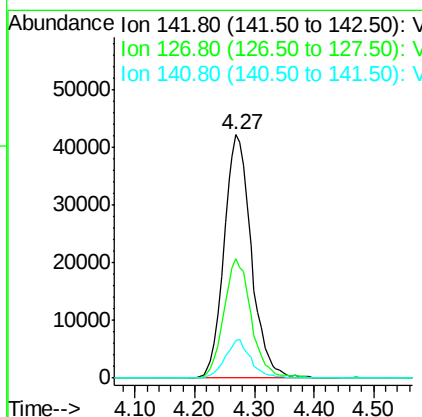
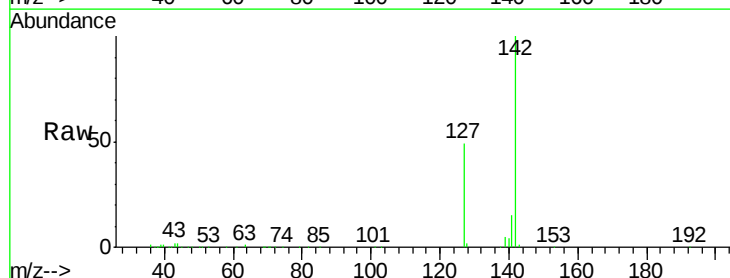
RT: 4.27 min Scan# 388

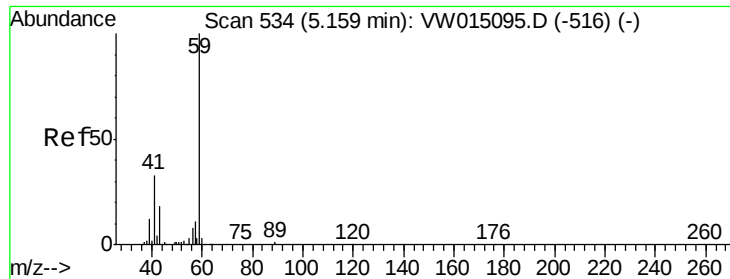
Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Tgt Ion:	142	Resp:	133960
Ion Ratio	Lower	Upper	
142	100		
127	49.3	38.2	57.4
141	14.6	12.0	18.0





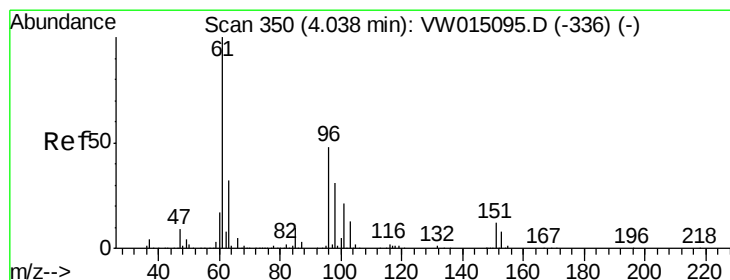
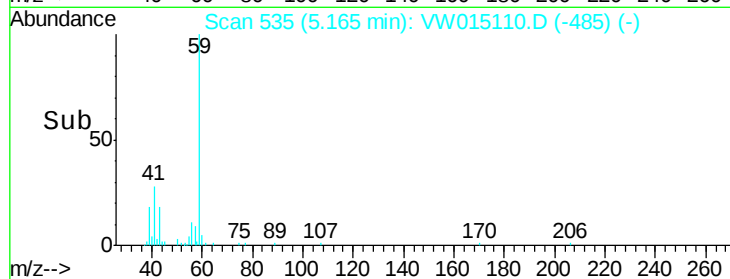
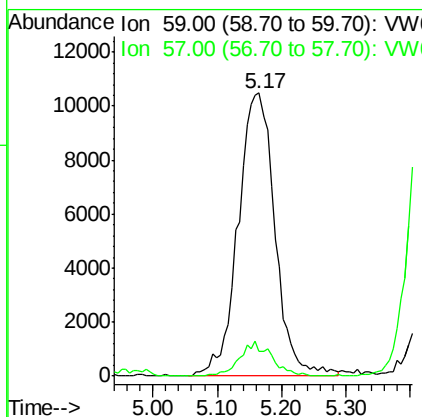
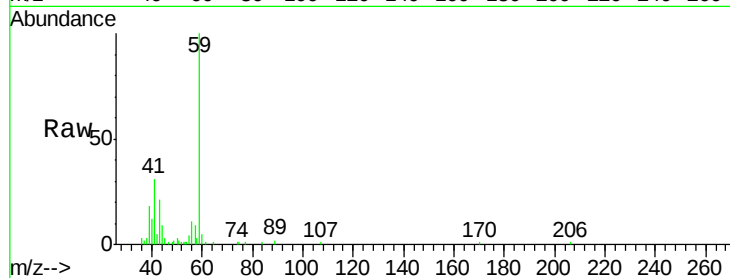
#11
Tert butyl alcohol
Concen: 109.918 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.1	13.7

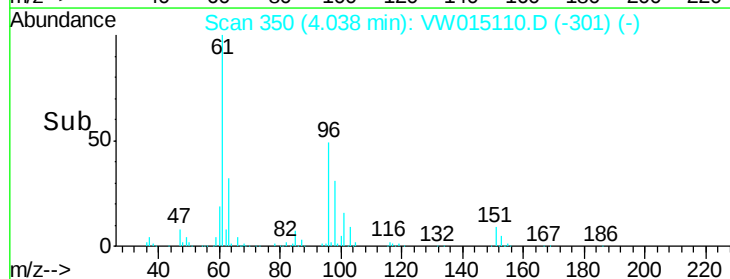
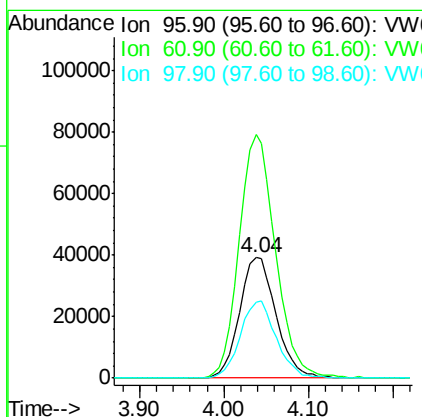
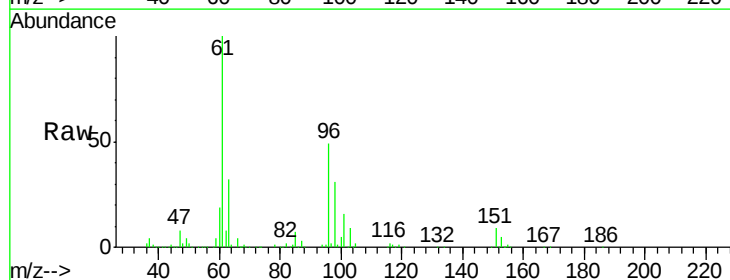
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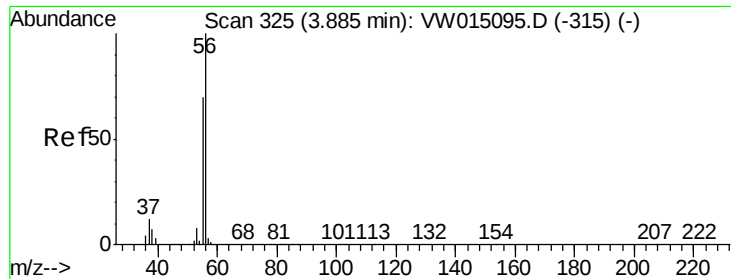
MMDadoda
3/11/2020 3:22:11 PM



#12
1,1-Dichloroethene
Concen: 20.303 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	202.7	165.5	248.3
98	63.5	51.1	76.7





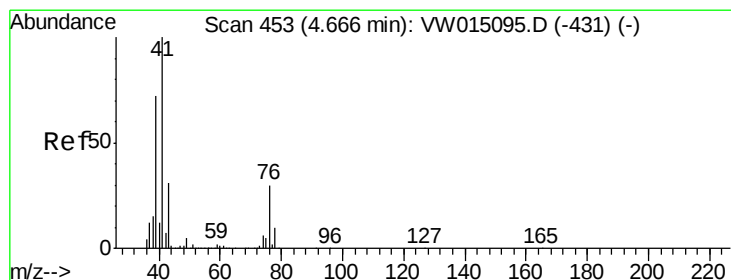
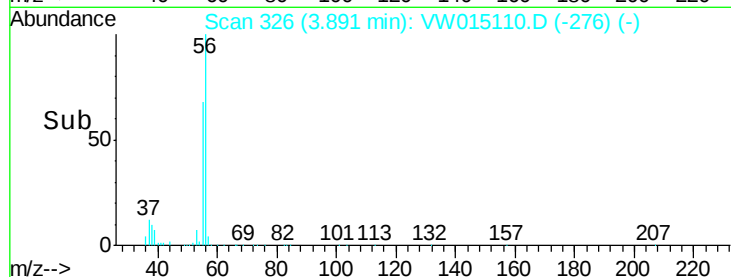
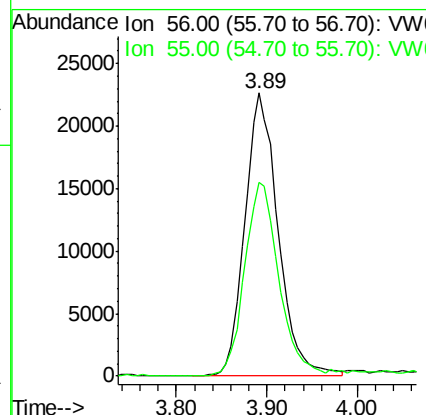
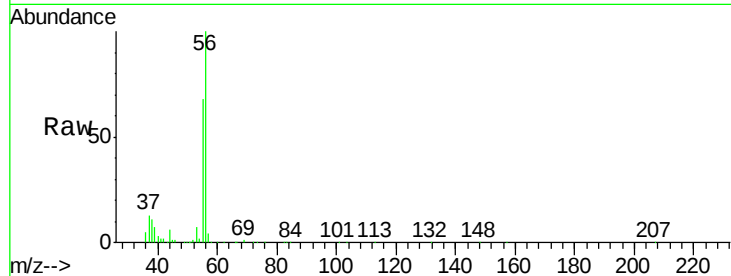
#13
Acrolein
Concen: 104.743 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.4	83.2

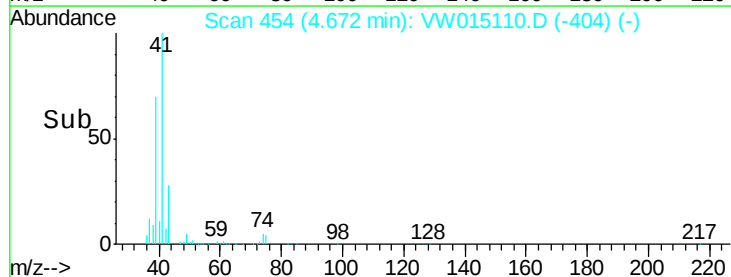
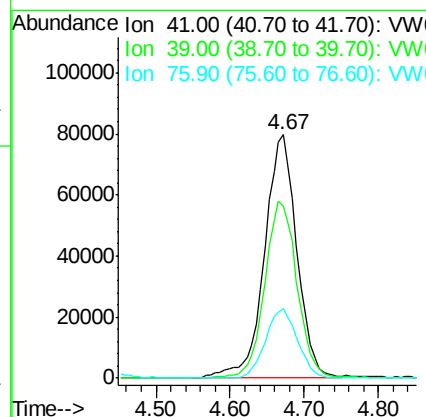
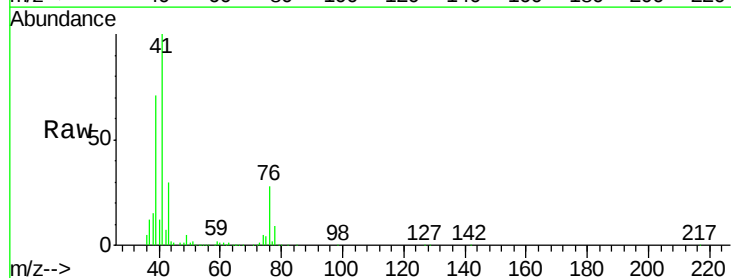
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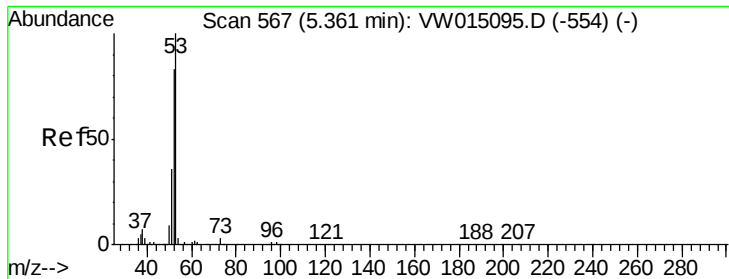
MMDadoda
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#14
Allyl chloride
Concen: 21.168 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.9	56.9	85.3
76	28.3	23.2	34.8





#15

Acrylonitrile

Concen: 97.995 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

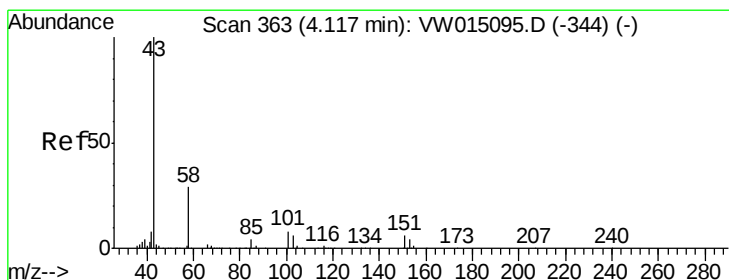
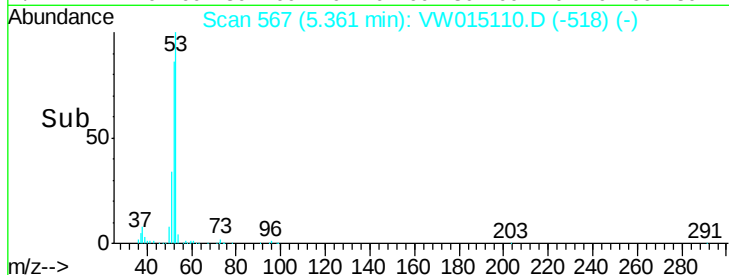
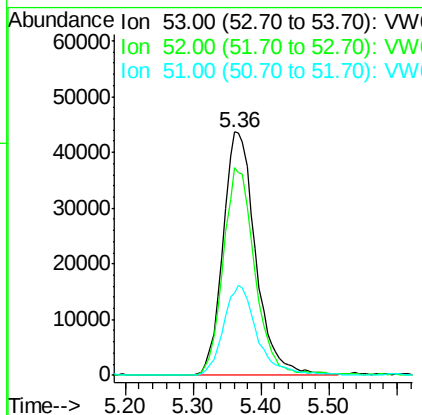
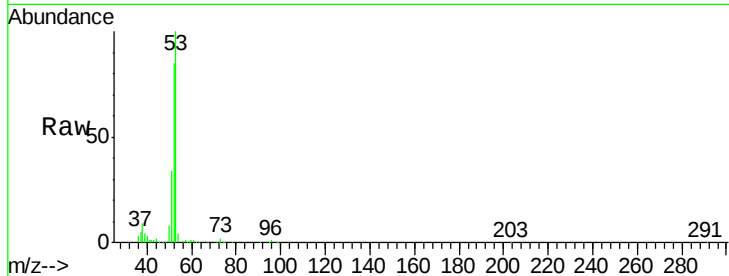
ClientSampleId :

VW0310SBS01

Tot Ion:	53	Resp:	145428
Ion Ratio	Lower	Upper	
53	100		
52	82.3	67.2	100.8
51	38.0	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 90.308 ug/l

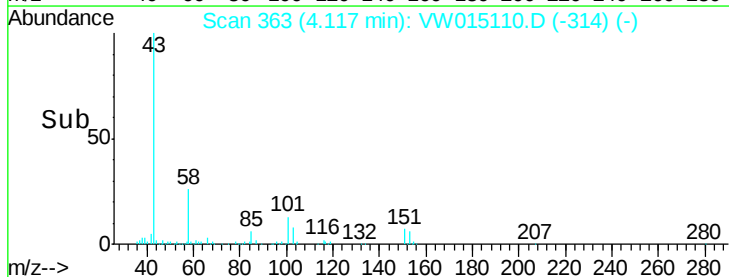
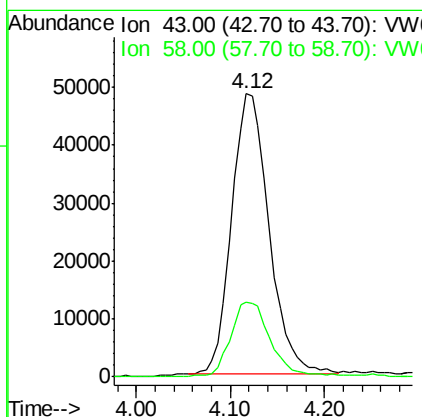
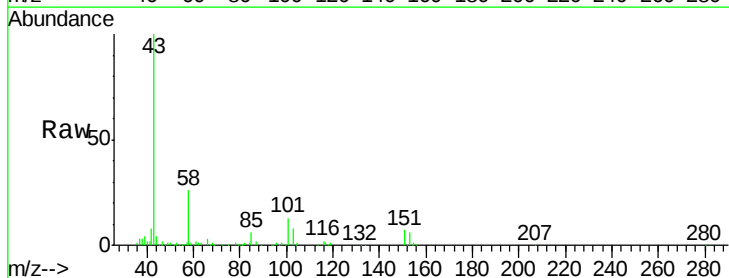
RT: 4.12 min Scan# 363

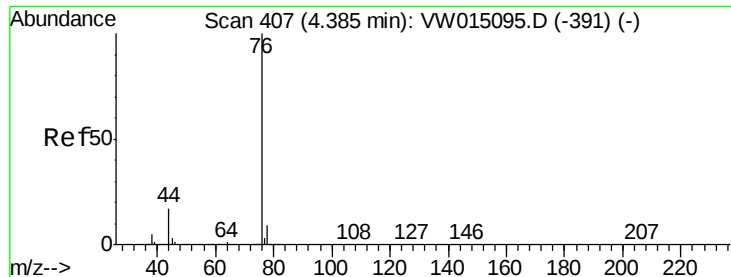
Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Tgt Ion:	43	Resp:	134974
Ion Ratio	Lower	Upper	
43	100		
58	26.1	22.9	34.3





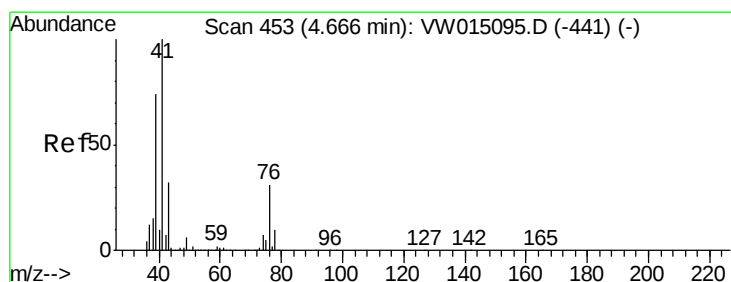
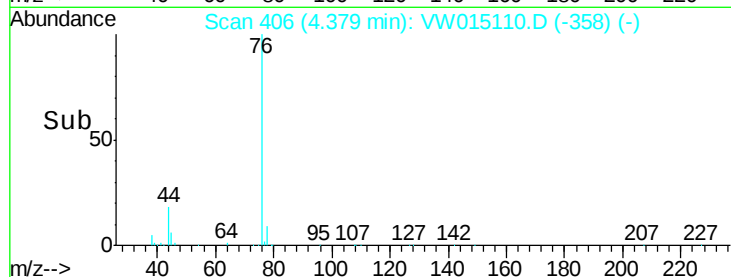
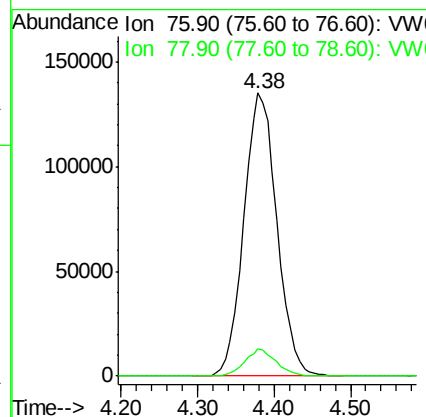
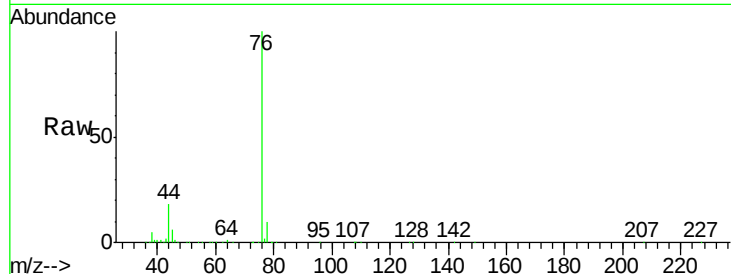
#17
Carbon Disulfide
Concen: 20.171 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	404988		
78	9.8		6.9	10.3

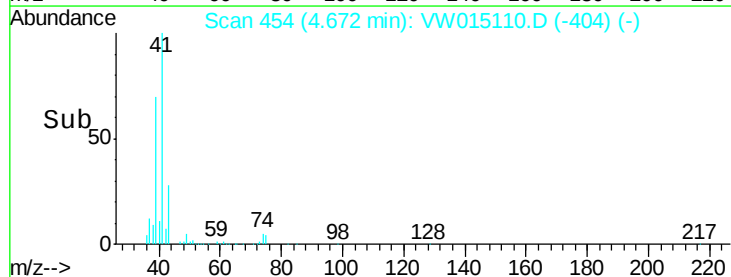
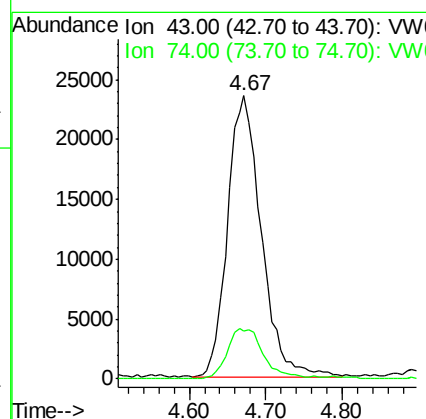
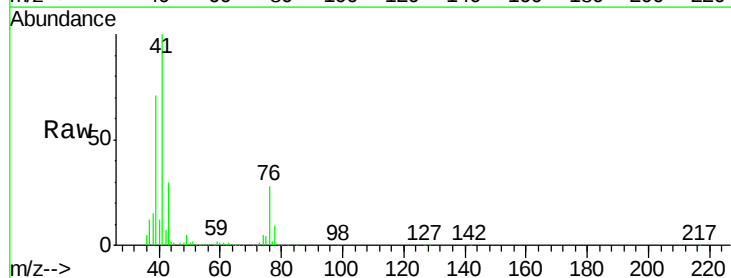
Manual Integrations
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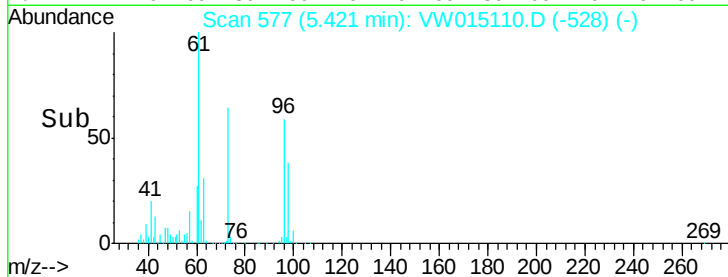
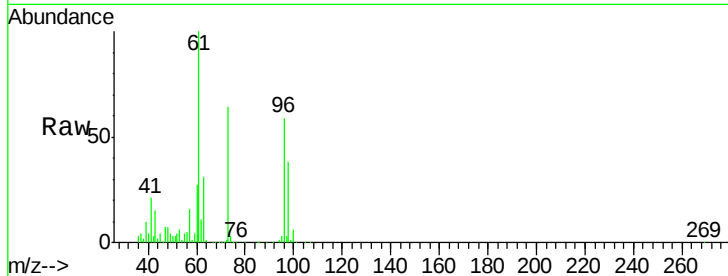
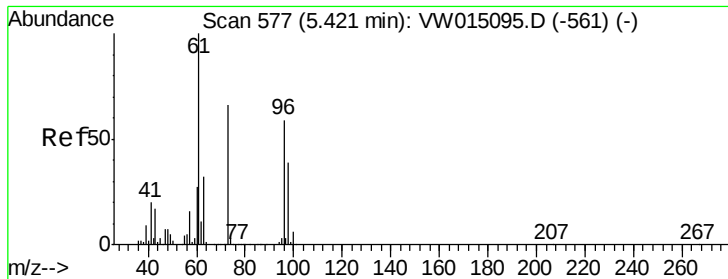
MMDadoda
3/11/2020 3:22:11 PM



#18
Methyl Acetate
Concen: 20.287 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	71875		
74	19.1		15.8	23.6





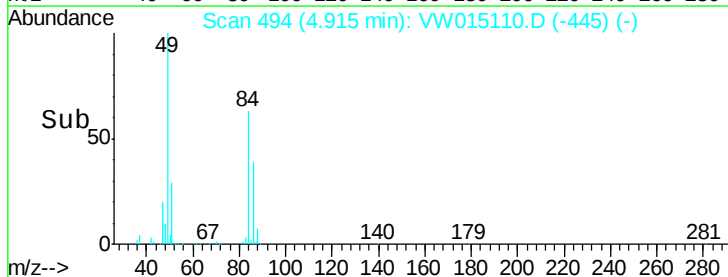
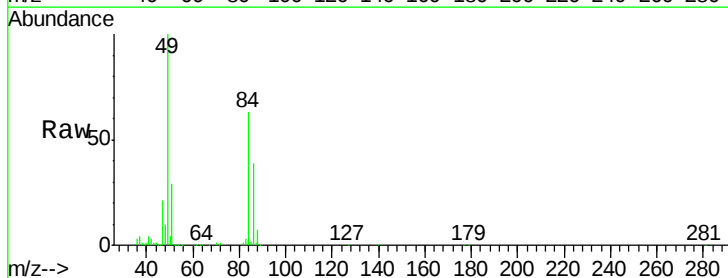
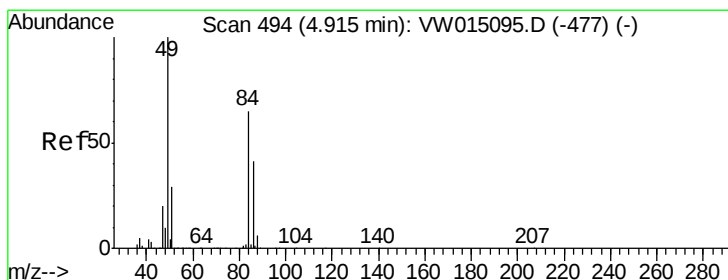
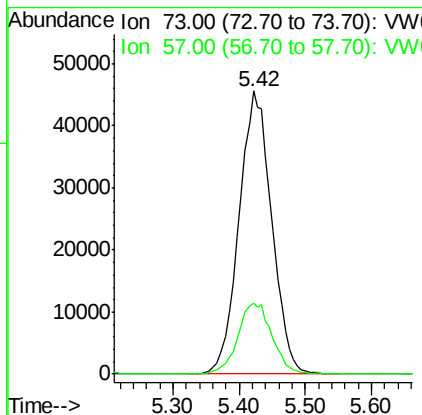
#19
Methvl tert-butvl Ether
Concen: 21.587 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.3	28.9

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

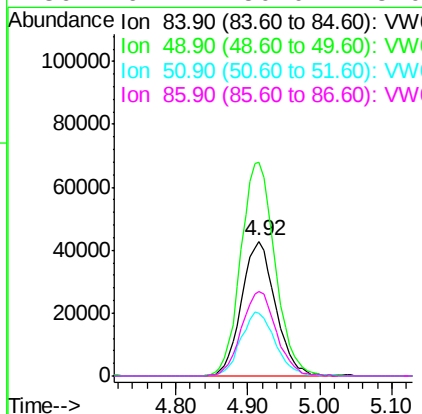
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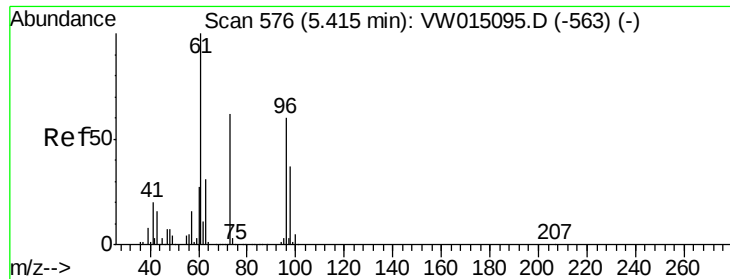
MMDadoda
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#20
Methylene Chloride
Concen: 20.747 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.2	122.8	184.2
51	46.2	35.9	53.9
86	62.4	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 21.366 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

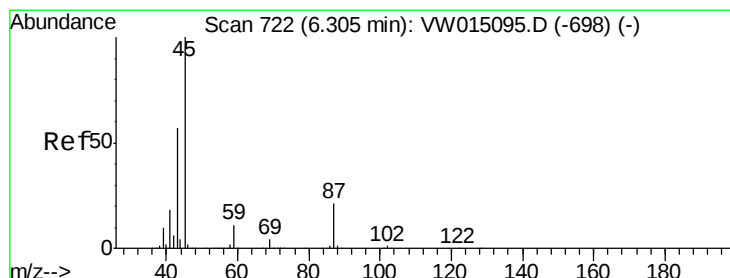
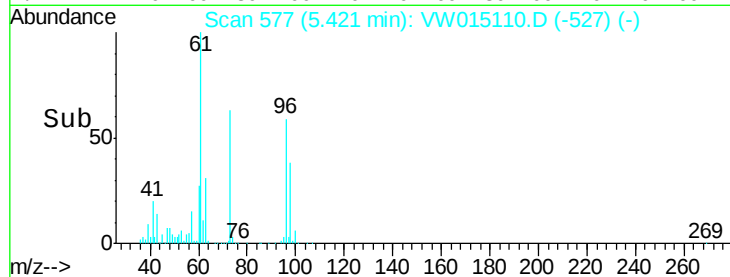
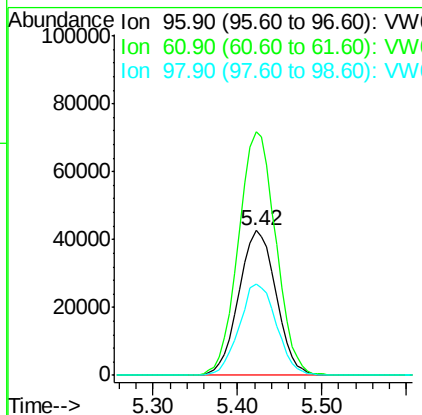
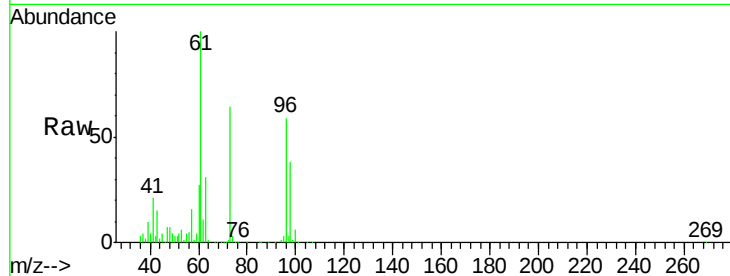
ClientSampleId :

VW0310SBSD01

Tot Ion:	96	Resp:	128462
Ion	Ratio	Lower	Upper
96	100		
61	168.1	132.5	198.7
98	63.3	48.9	73.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.477 ug/l

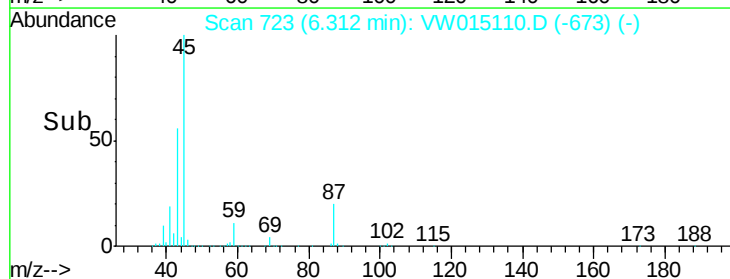
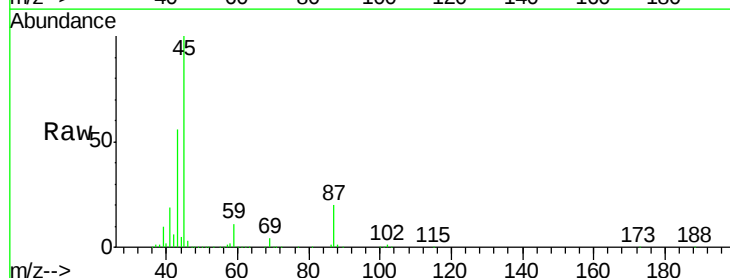
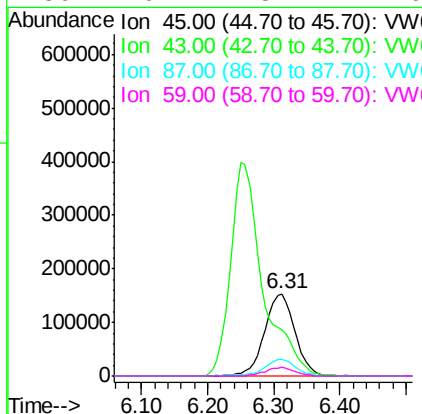
RT: 6.31 min Scan# 723

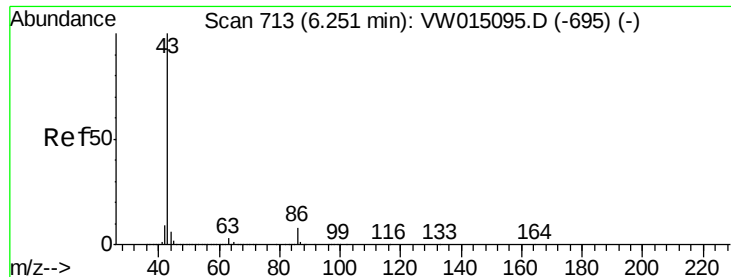
Delta R.T. 0.01 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Tgt Ion:	45	Resp:	489453
Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.4	68.0
87	20.4	16.4	24.6
59	10.7	8.4	12.6





#23

Vinyl Acetate

Concen: 104.465 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion: 43 Resp: 1342836

Ion Ratio Lower Upper

43 100

86 7.7

6.3

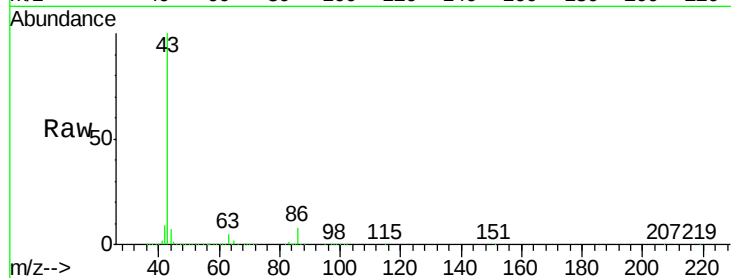
9.5

Manual Integrations

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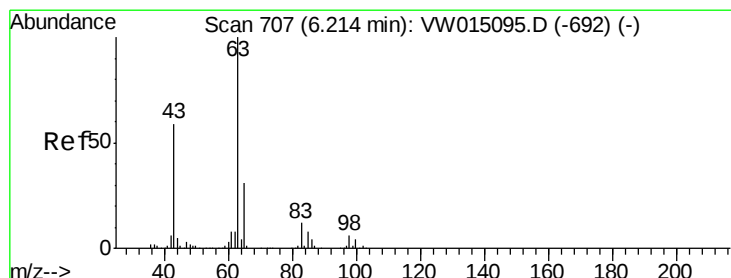
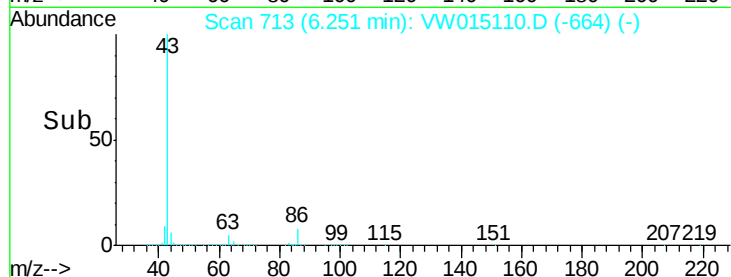
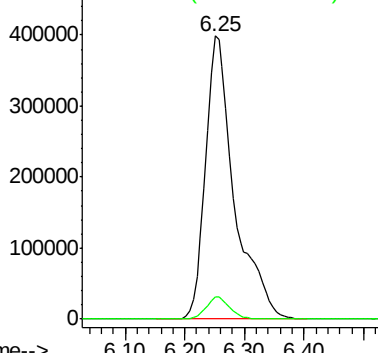
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.167 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Tgt Ion: 63 Resp: 268784

Ion Ratio Lower Upper

63 100

98 5.7

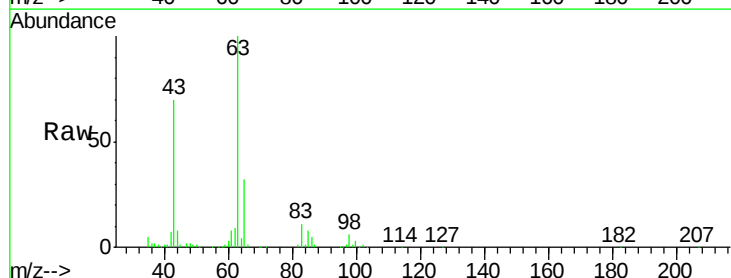
2.9

8.8

100 3.4

2.1

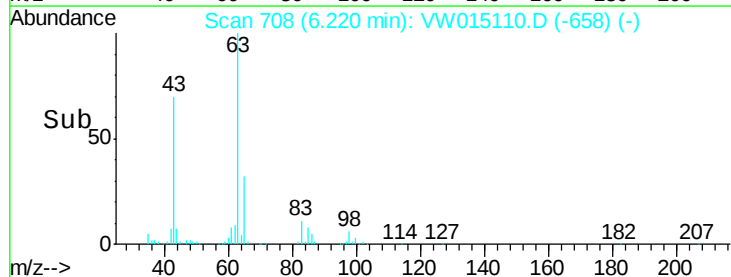
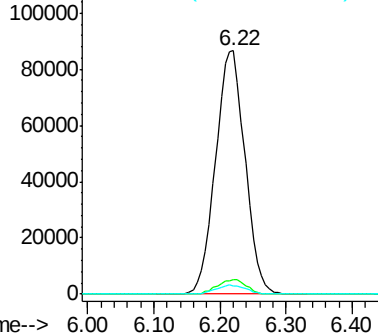
6.3

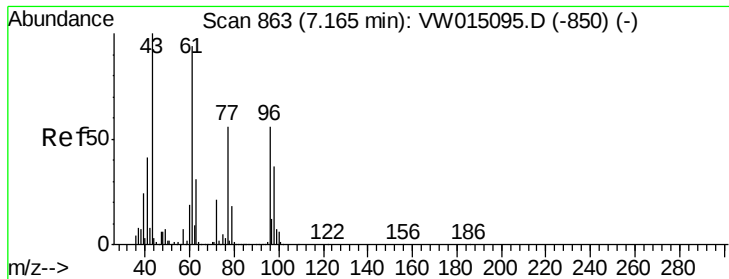


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 96.625 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion: 43 Resp: 197977

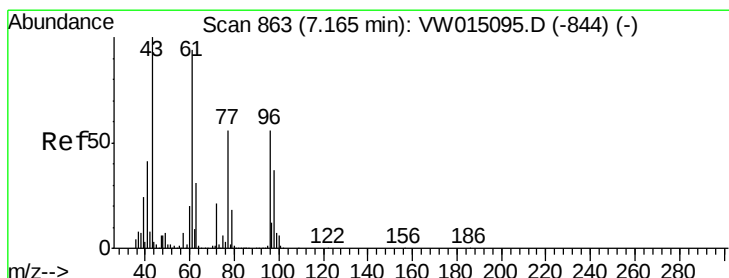
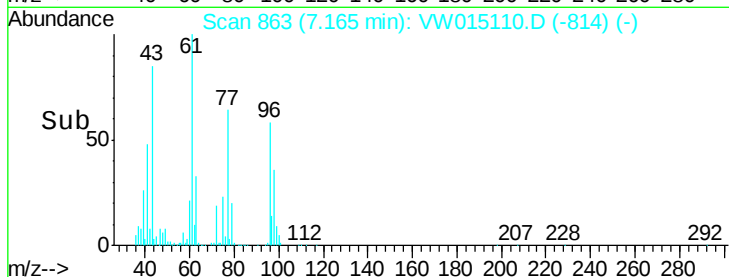
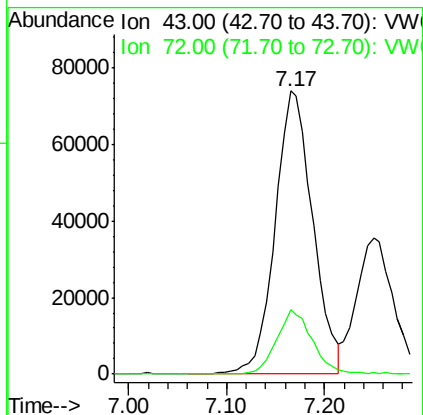
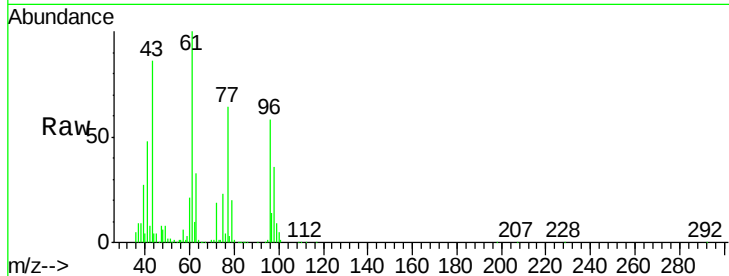
Ion Ratio Lower Upper

43 100

72 22.8 17.0 25.6

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3/11/2020 3:22:11 PM



#26

2,2-Dichloropropane

Concen: 22.219 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015110.D

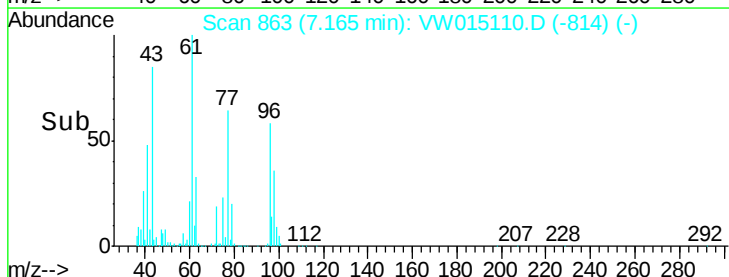
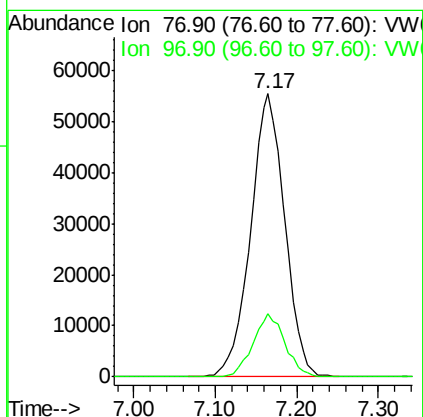
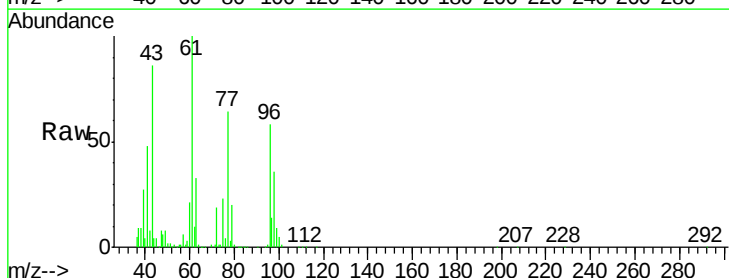
Acq: 10 Mar 2020 13:43

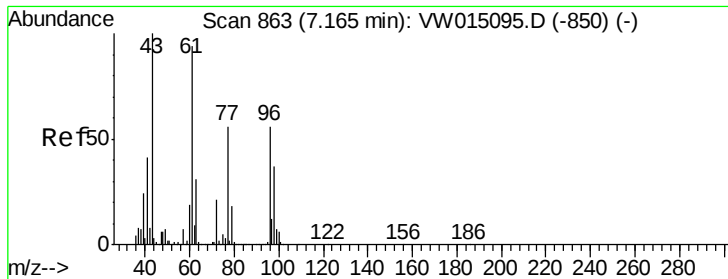
Tgt Ion: 77 Resp: 161367

Ion Ratio Lower Upper

77 100

97 20.7 10.6 31.8





#27

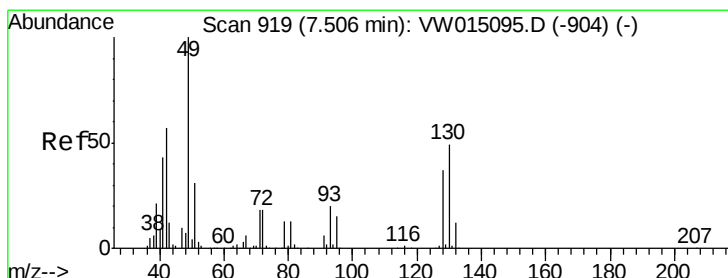
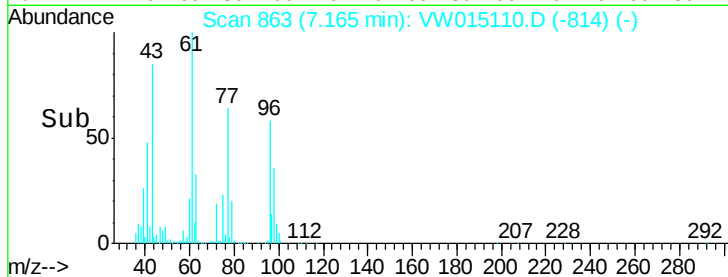
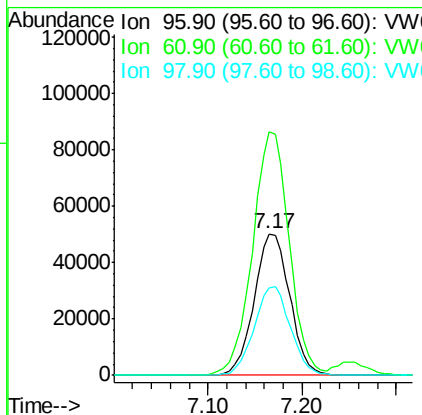
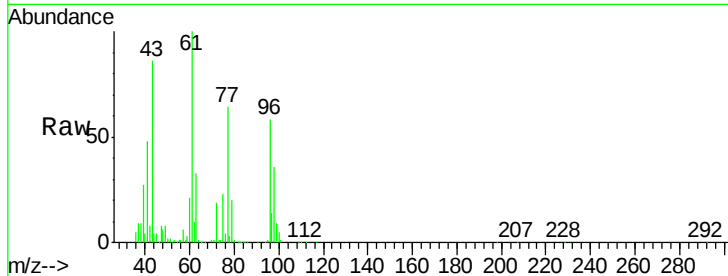
cis-1,2-Dichloroethene
 Concen: 21.210 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	177.6	0.0	343.4
98	63.9	0.0	127.6

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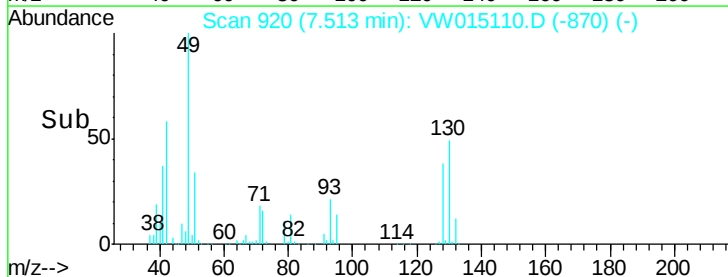
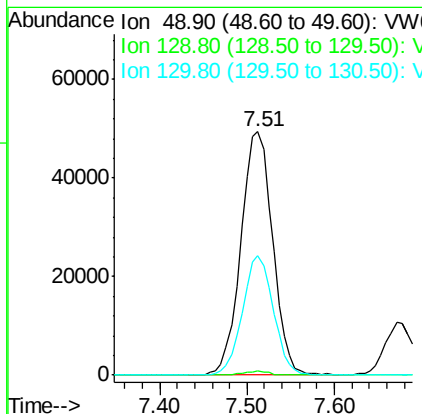
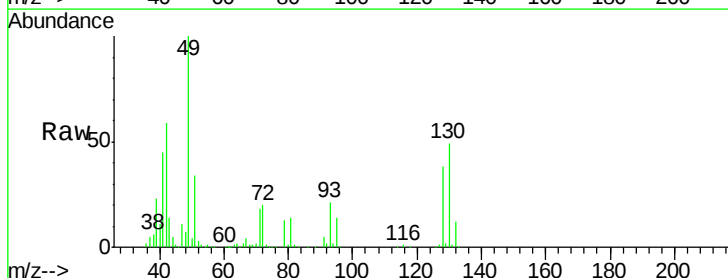
MMDadoda
 3/11/2020 3:22:11 PM

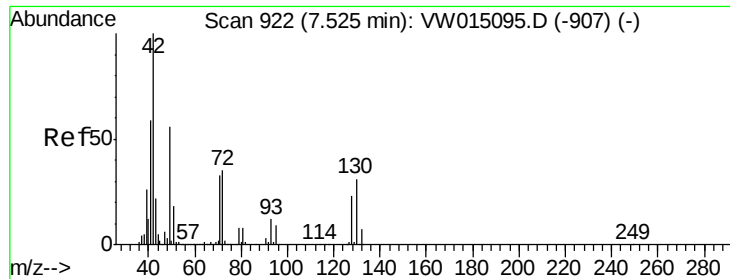


#28

Bromochloromethane
 Concen: 20.481 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	47.5	39.8	59.6





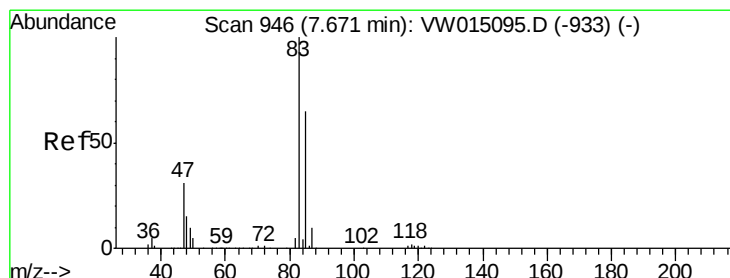
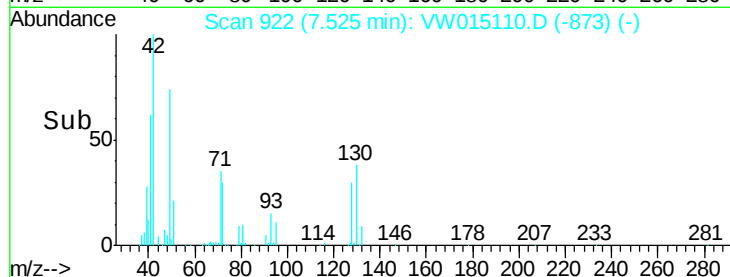
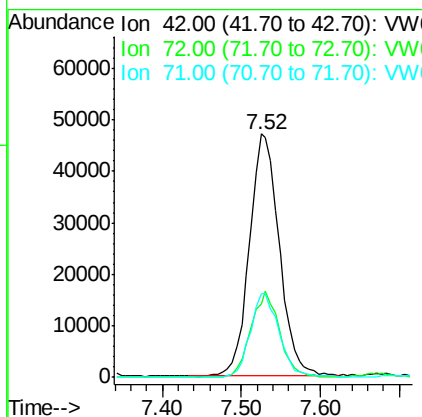
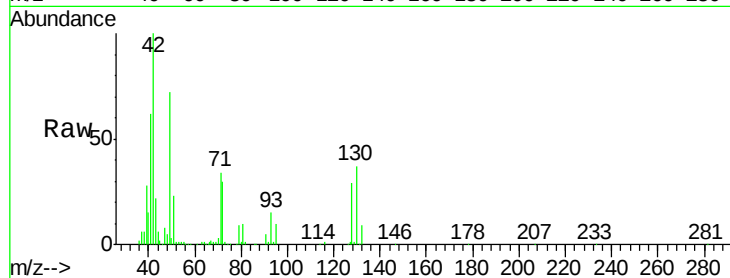
#29
Tetrahydrofuran
Concen: 97.107 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	27.8	41.6
71	33.2	26.4	39.6

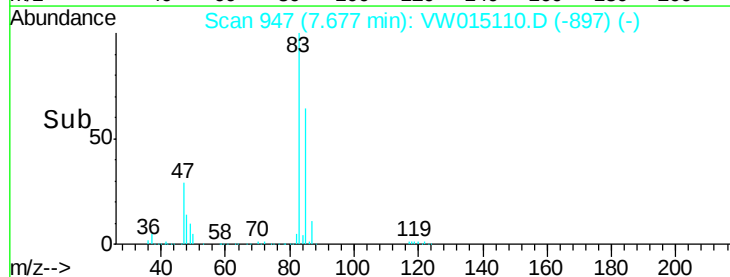
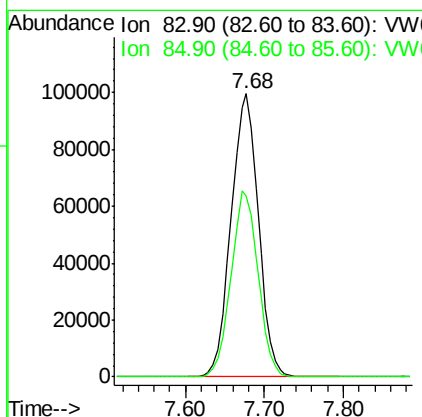
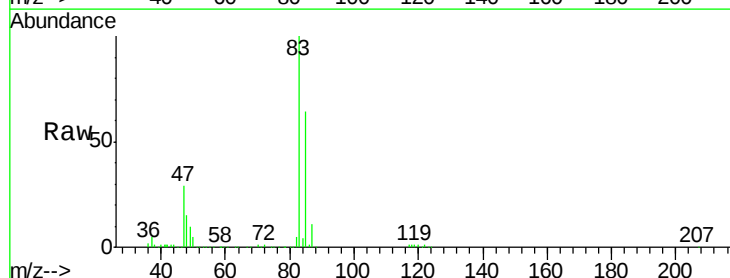
Manual Integrations
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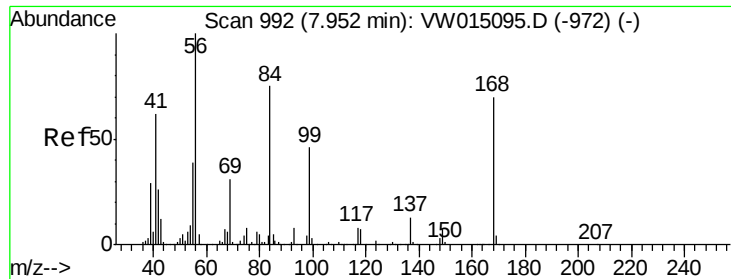
MMDadoda
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#30
Chloroform
Concen: 21.329 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9





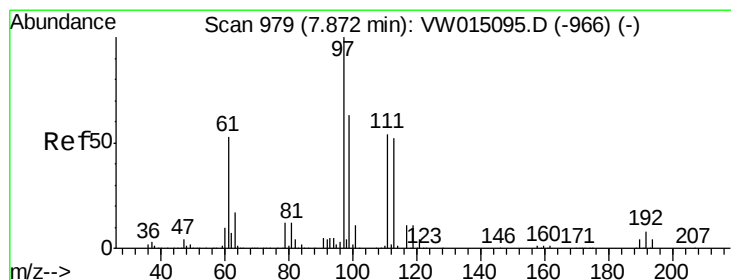
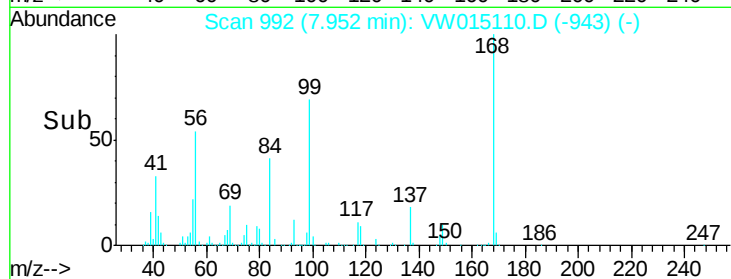
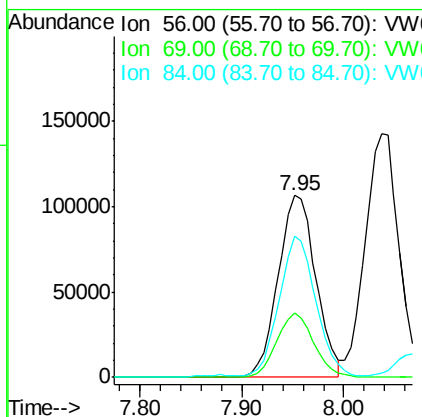
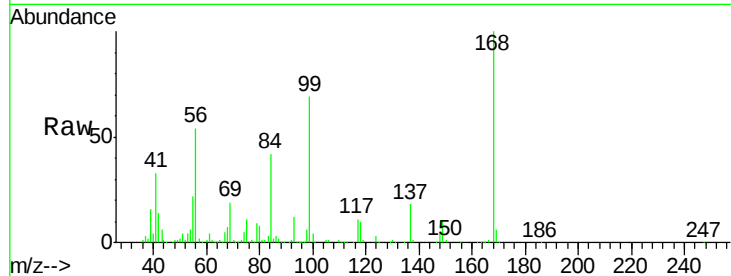
#31
Cyclohexane
Concen: 20.934 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	24.6	37.0
84	77.2	59.9	89.9

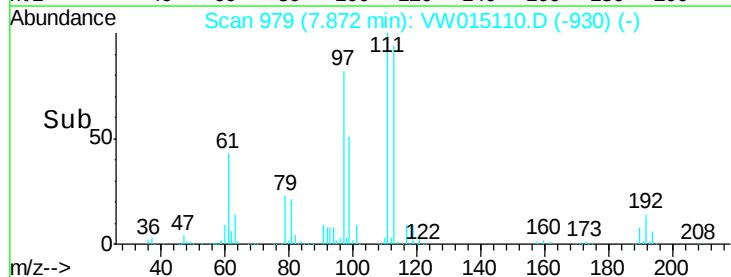
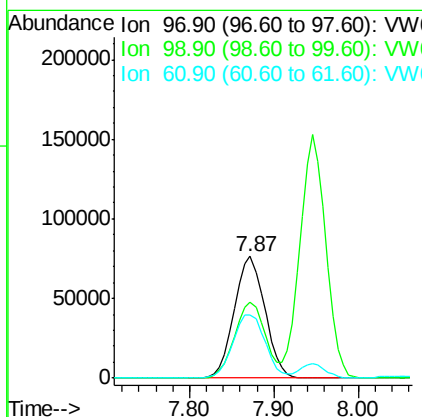
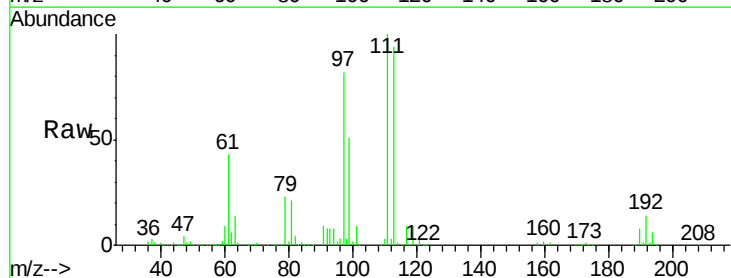
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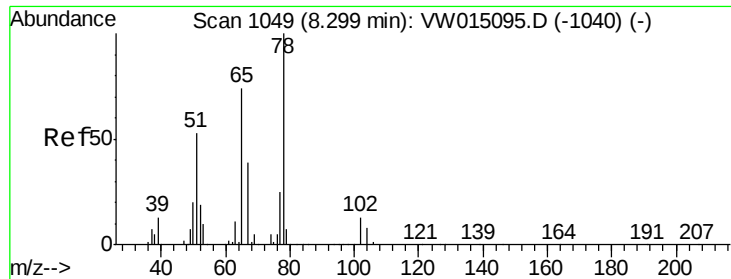
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#32
1,1,1-Trichloroethane
Concen: 21.370 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	55.2	44.0	66.0





#33

1,2-Dichloroethane-d4

Concen: 54.012 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion: 65 Resp: 353976

Ion Ratio Lower Upper

65 100

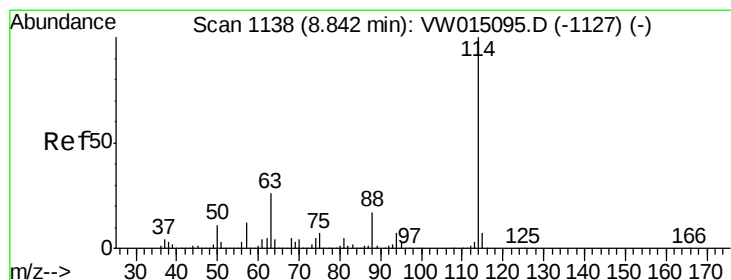
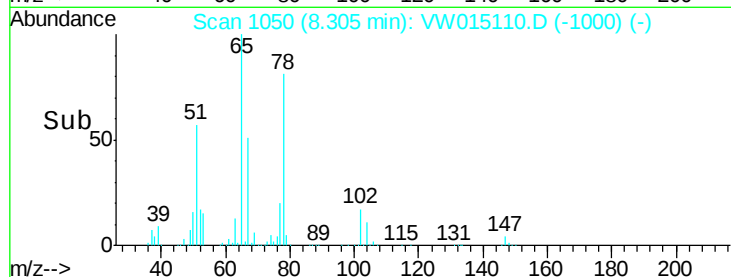
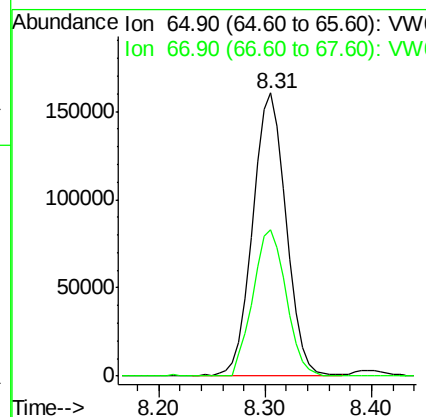
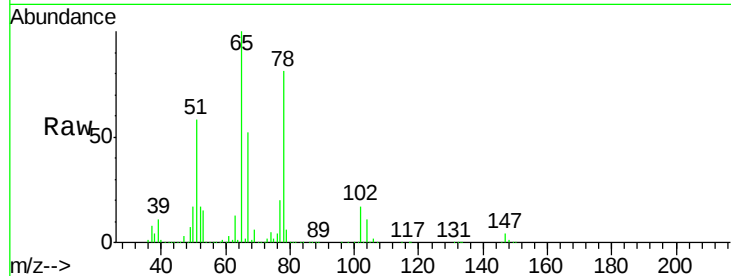
67 51.4 0.0 105.0

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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: VW015110.D

Acq: 10 Mar 2020 13:43

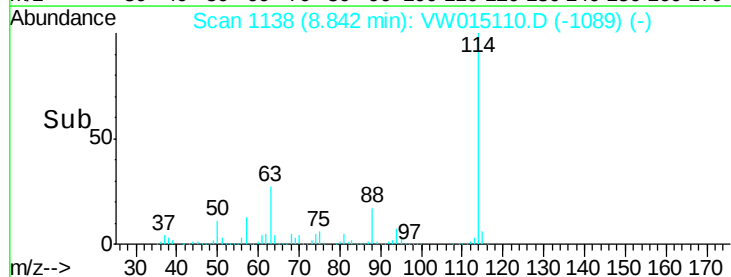
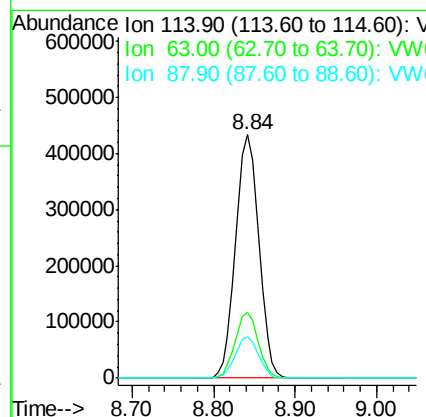
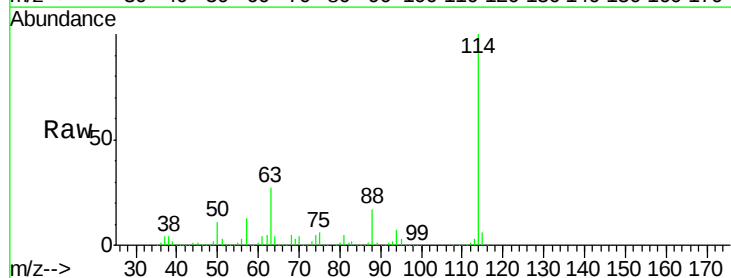
Tgt Ion: 114 Resp: 849062

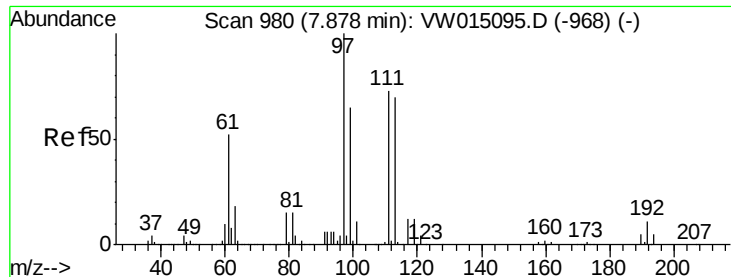
Ion Ratio Lower Upper

114 100

63 27.1 0.0 52.0

88 17.2 0.0 34.2





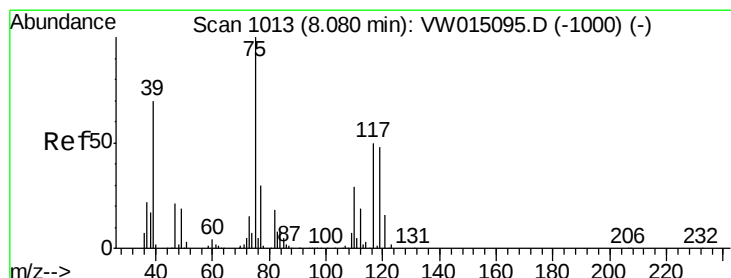
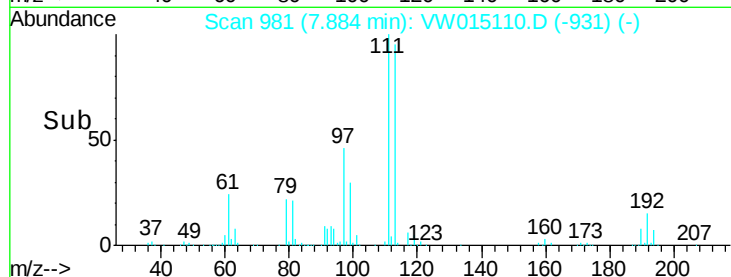
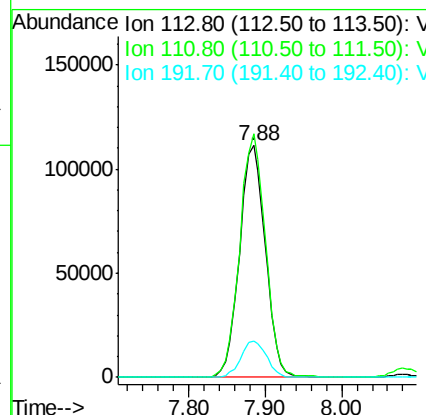
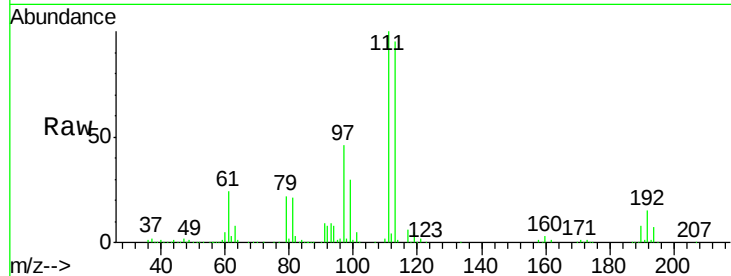
#35
 Dibromofluoromethane
 Concen: 51.442 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	261493		
111	104.2	83.6	125.4	
192	15.7	12.4	18.6	

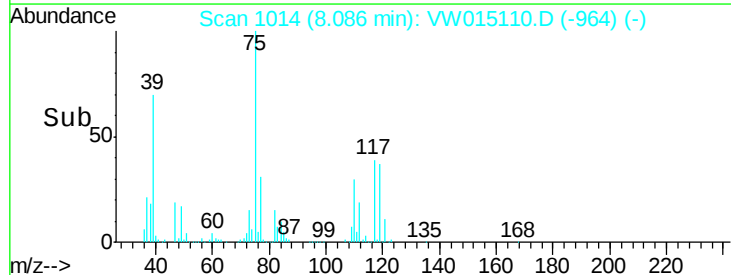
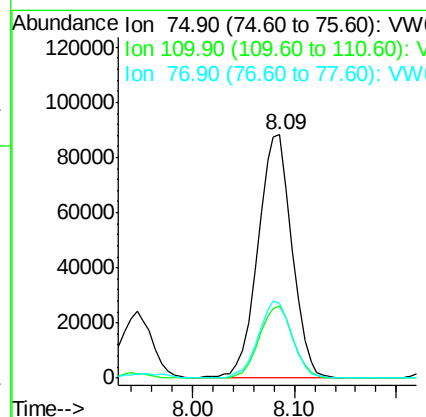
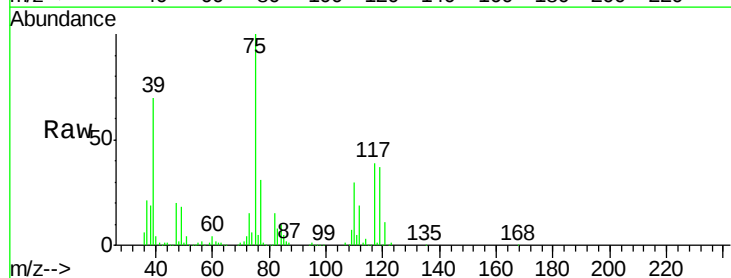
Manual Integrations
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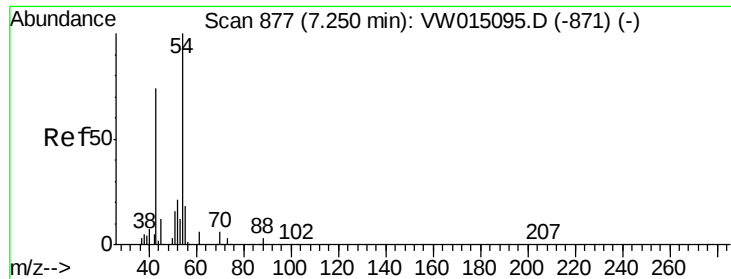
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#36
 1,1-Dichloropropene
 Concen: 20.696 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	203784		
110	29.4	14.7	44.1	
77	31.1	24.2	36.4	





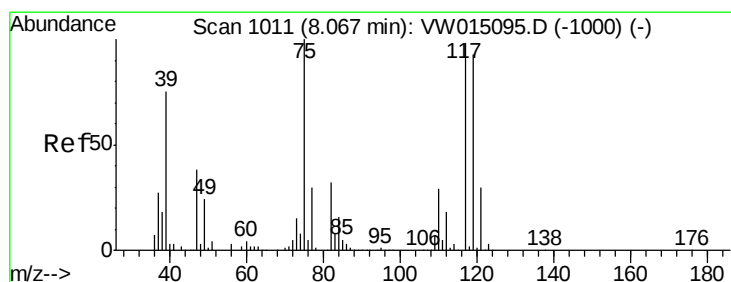
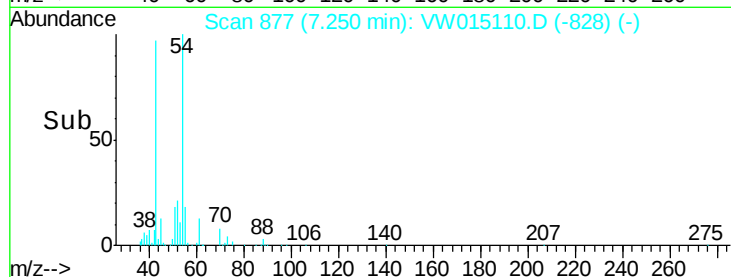
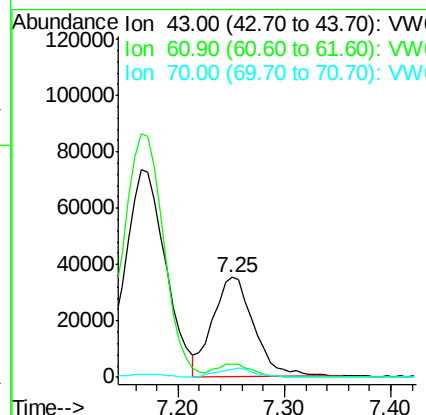
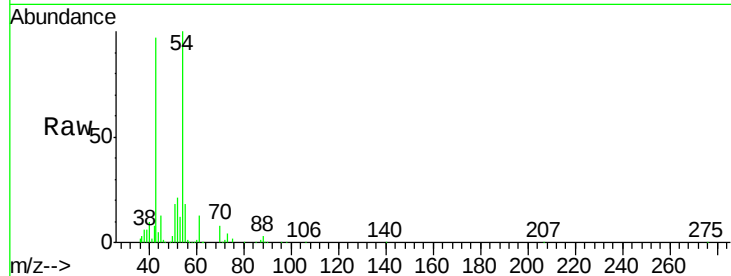
#37
Ethyl Acetate
Concen: 19.156 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.6	14.4
70	8.3	6.5	9.7

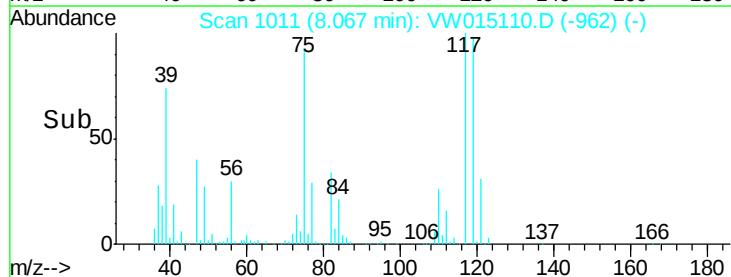
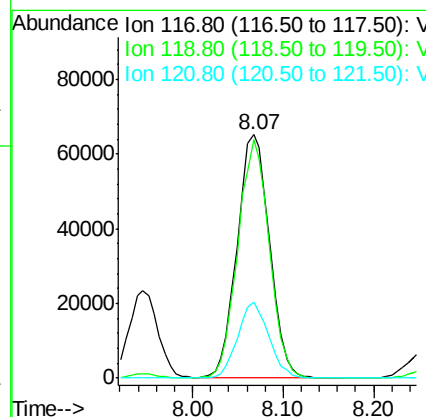
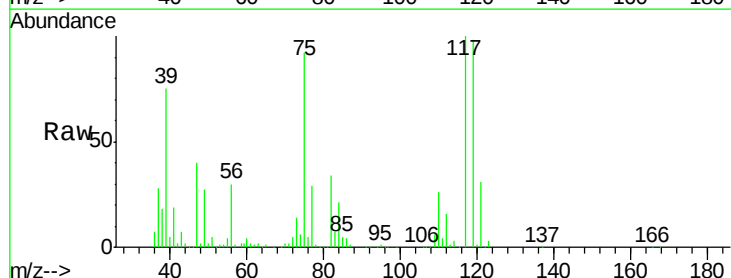
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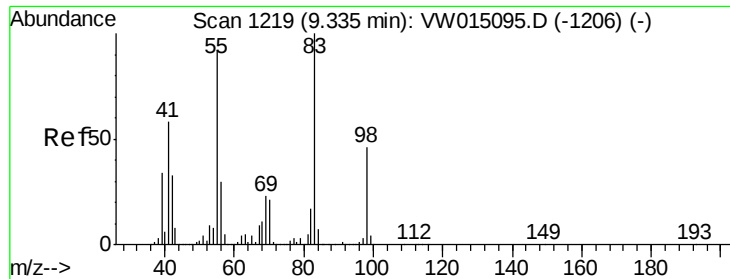
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#38
Carbon Tetrachloride
Concen: 20.251 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.8	113.8
121	31.0	24.5	36.7





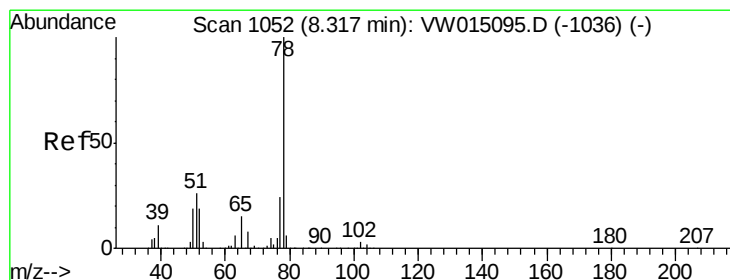
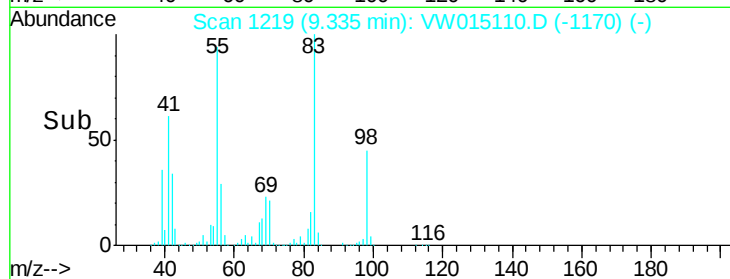
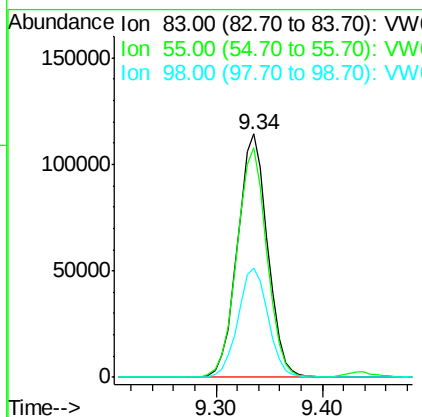
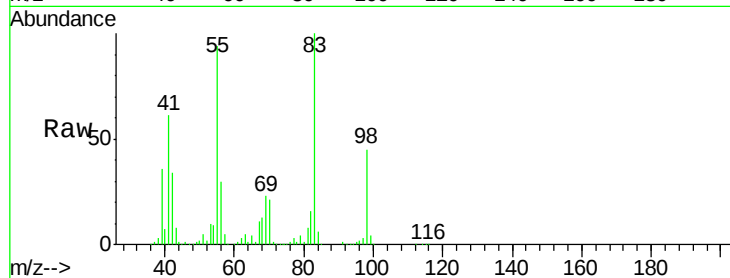
#39
Methvlcvclohexane
Concen: 20.162 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	83	Resp	226993
Ion Ratio	Lower	Upper	
83	100		
55	94.0	73.5	110.3
98	44.8	37.2	55.8

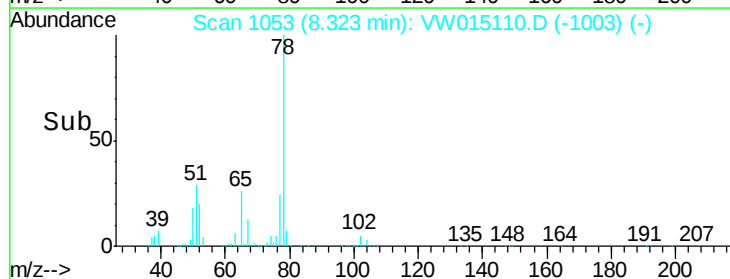
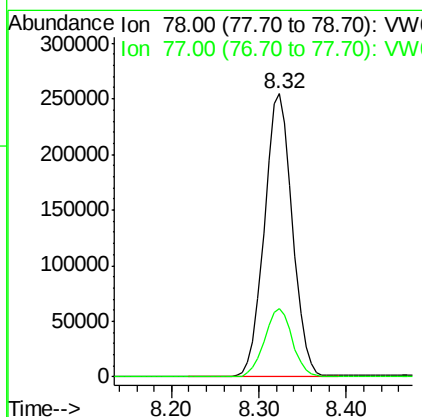
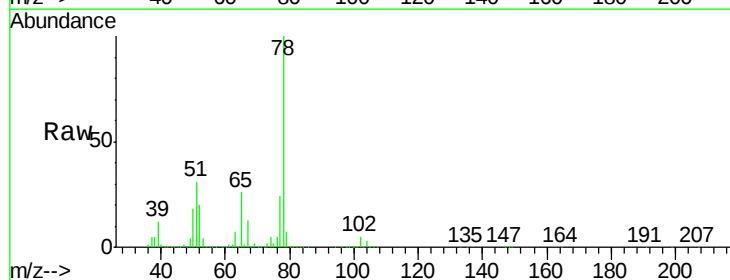
Manual Integrations
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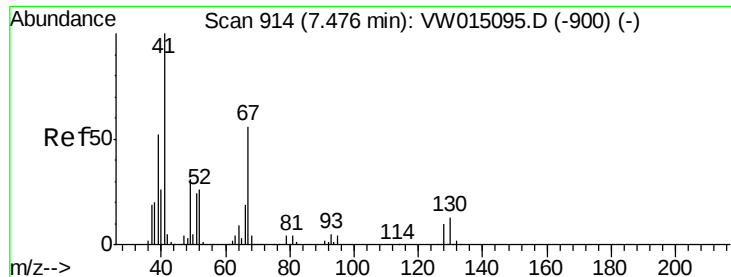
MMDadoda
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#40
Benzene
Concen: 20.886 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	78	Resp	571523
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.5	29.3





#41

Methacrylonitrile

Concen: 19.811 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

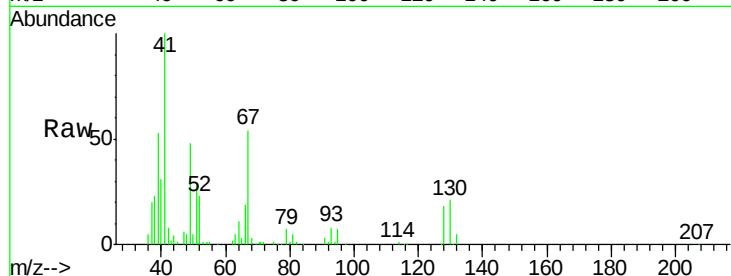
ClientSampleId :

VW0310SBSD01

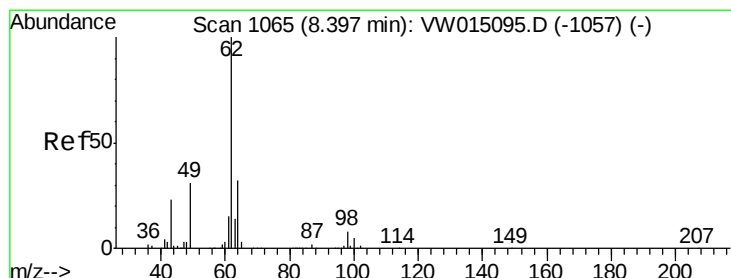
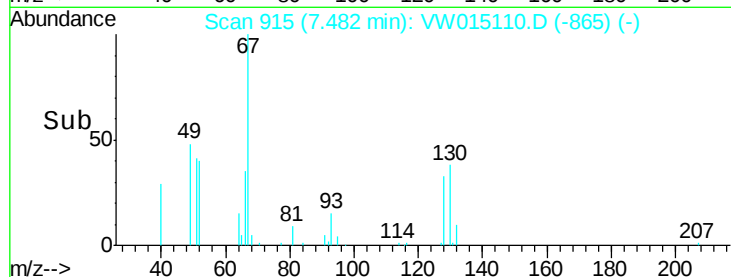
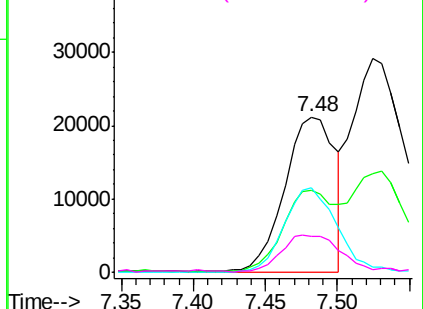
Tot Ion	41	Resp	51416
Ion	Ratio	Lower	Upper
41	100		
39	53.5	49.0	73.4
67	58.2	50.4	75.6
52	27.8	24.2	36.4

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.457 ug/l

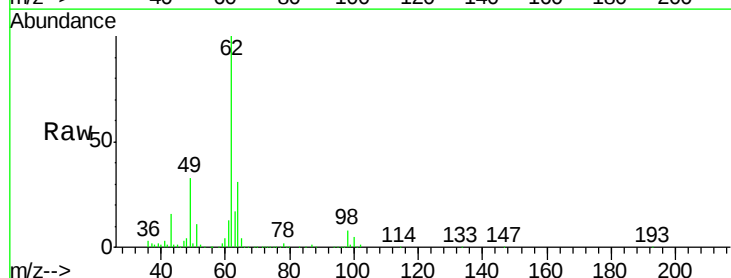
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

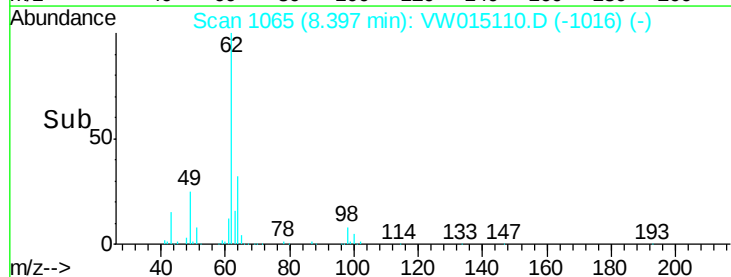
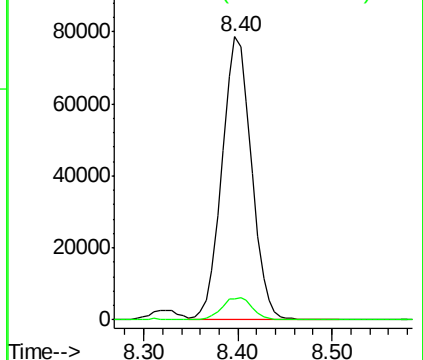
Lab File: VW015110.D

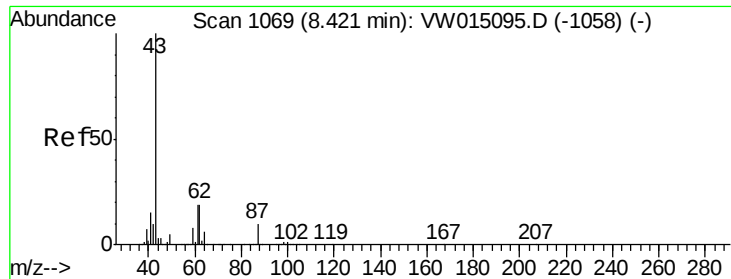
Acq: 10 Mar 2020 13:43

Tgt Ion	62	Resp	170539
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





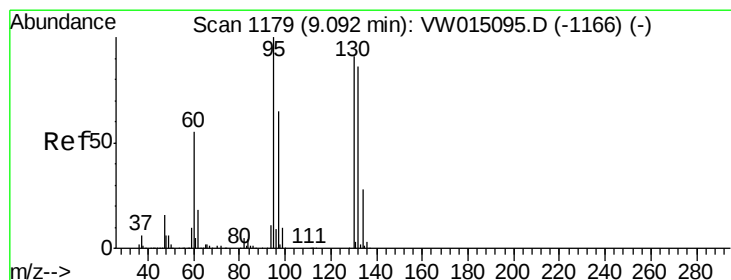
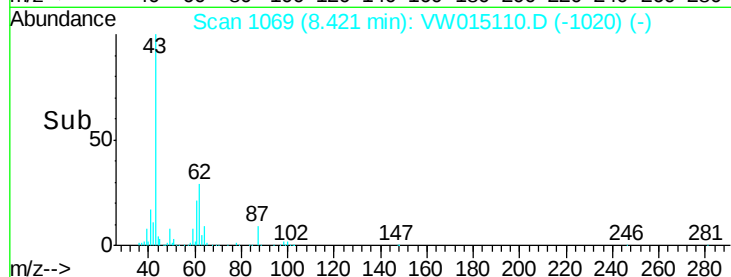
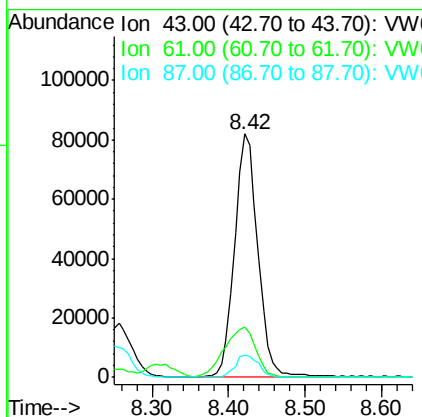
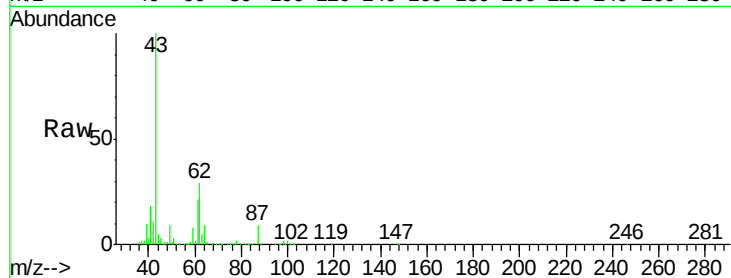
#43
Isopropyl Acetate
Concen: 19.503 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.8	32.8
87	9.4	8.0	12.0

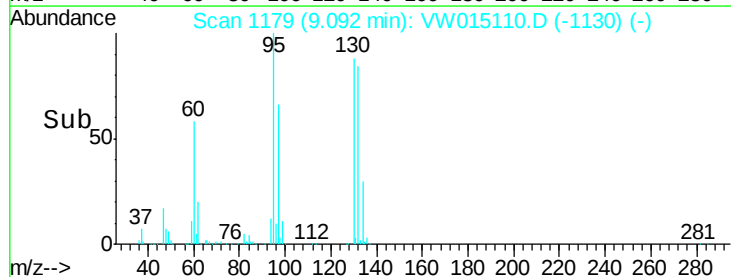
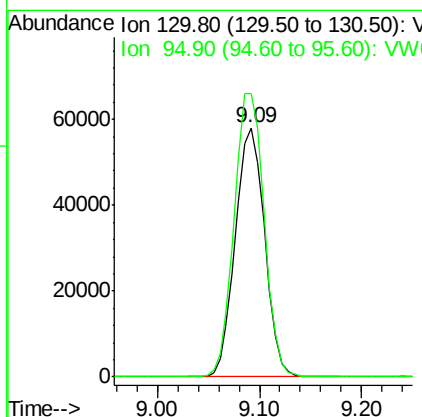
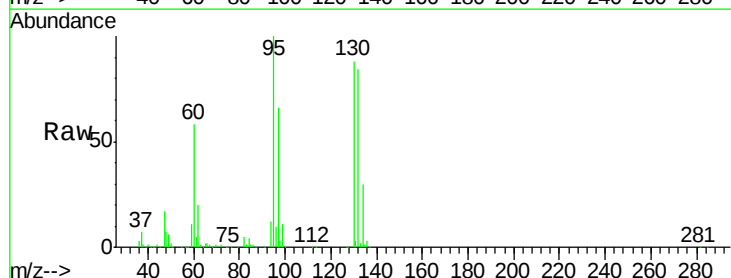
Manual Integrations
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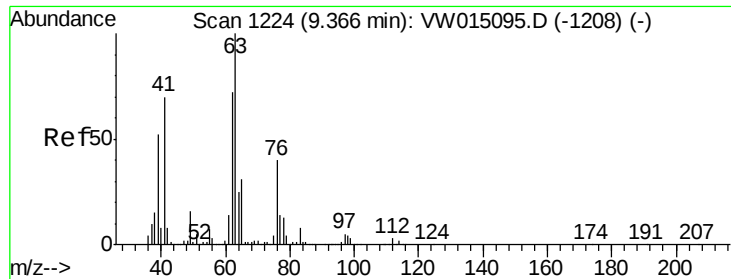
MMDadoda
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#44
Trichloroethene
Concen: 19.900 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.6	0.0	219.8





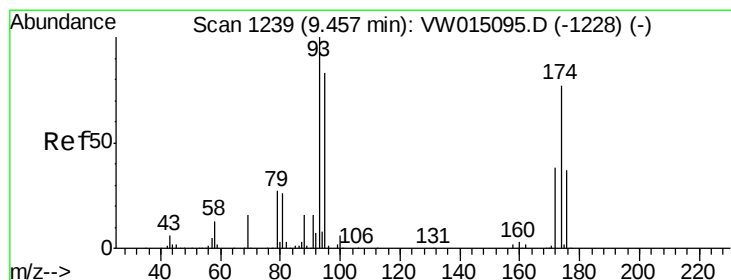
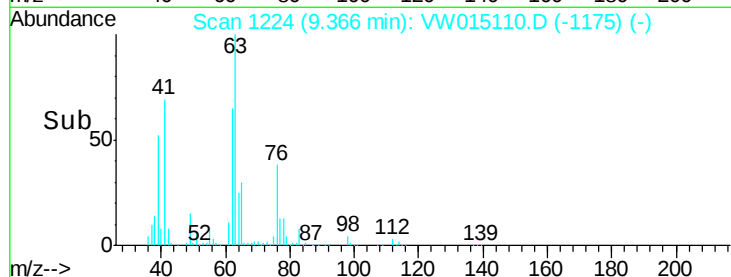
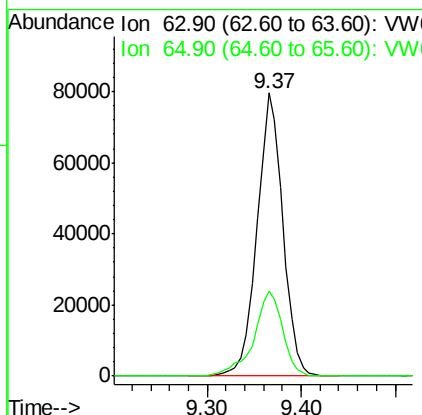
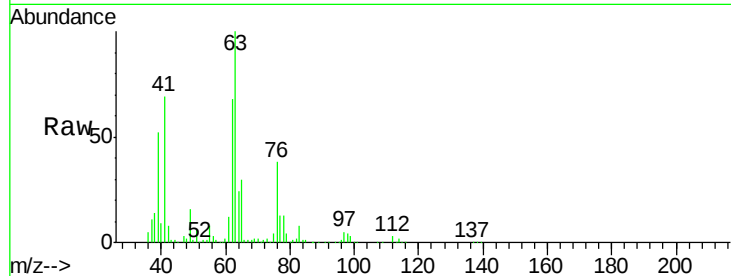
#45
 1,2-Dichloropropane
 Concen: 20.849 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	36.8

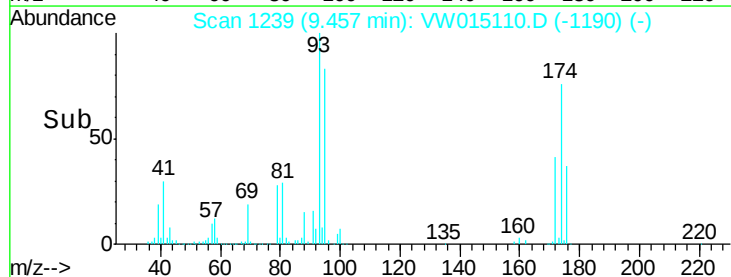
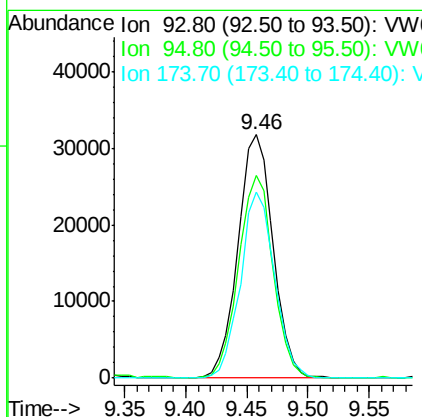
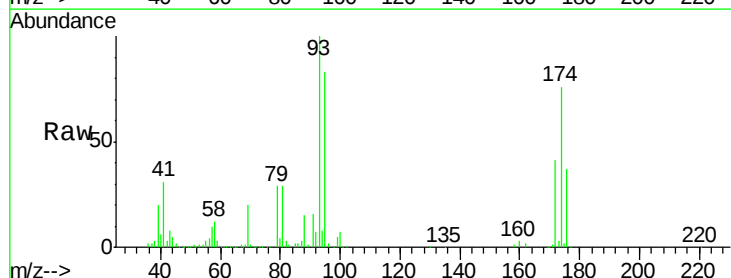
Manual Integrations
 APPROVED

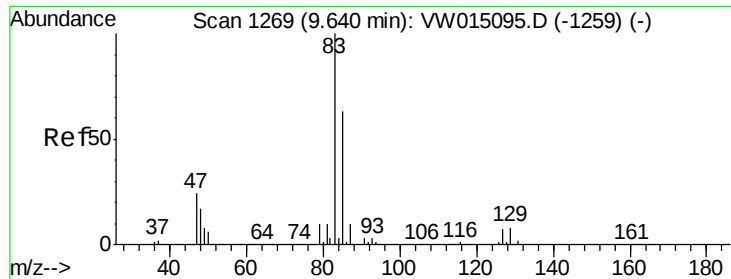
MMDadoda
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#46
 Dibromomethane
 Concen: 19.806 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.6	100.0
174	74.6	60.6	91.0





#47

Bromodichloromethane

Concen: 20.134 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

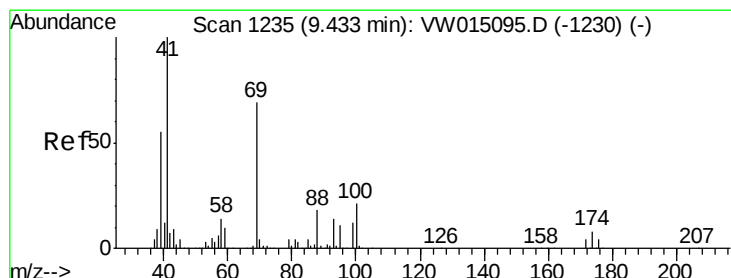
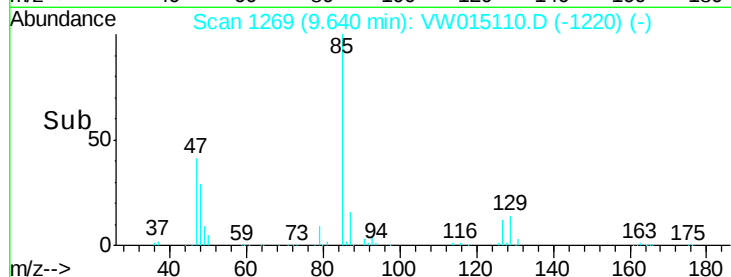
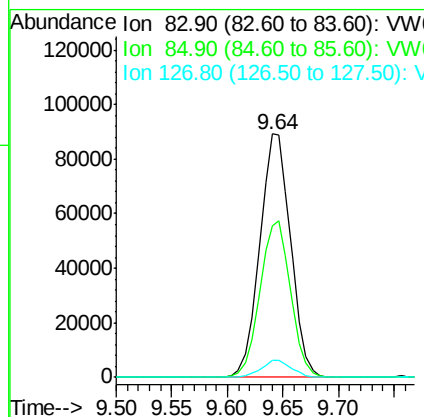
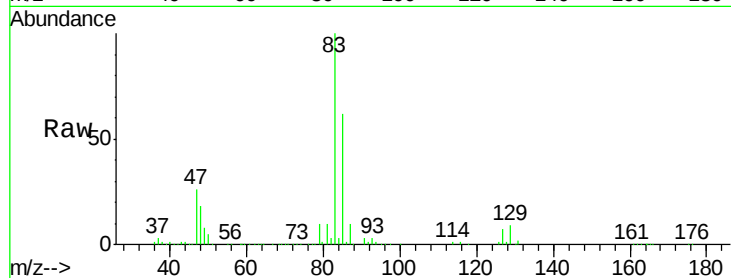
ClientSampleId :

VW0310SBSD01

Tot Ion:	83	Resp:	172242
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.7	76.1
127	7.2	5.5	8.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.919 ug/l

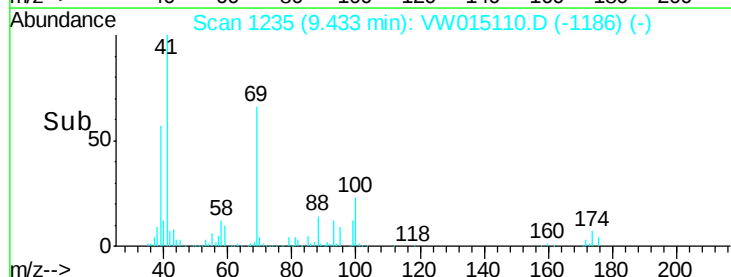
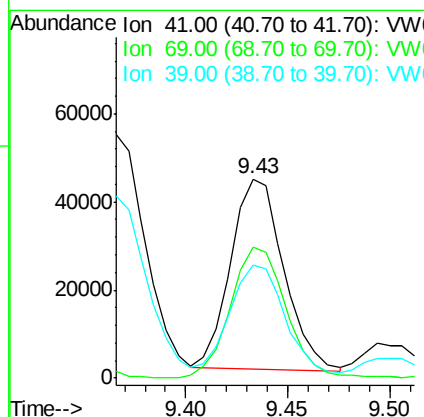
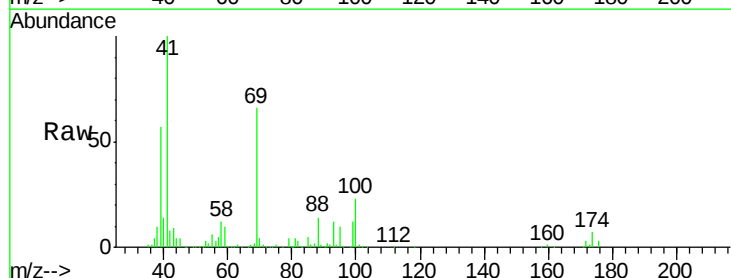
RT: 9.43 min Scan# 1235

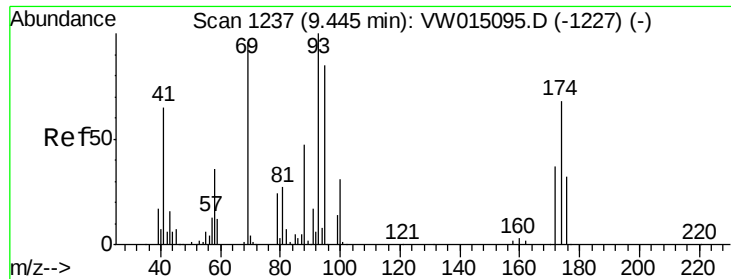
Delta R.T. 0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Tgt Ion:	41	Resp:	77837
Ion	Ratio	Lower	Upper
41	100		
69	72.0	58.7	88.1
39	57.6	45.1	67.7





#49

1,4-Dioxane

Concen: 353.212 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBS01

Tot Ion: 88 Resp: 17328

Ion Ratio Lower Upper

88 100

43 44.0 35.8 53.8

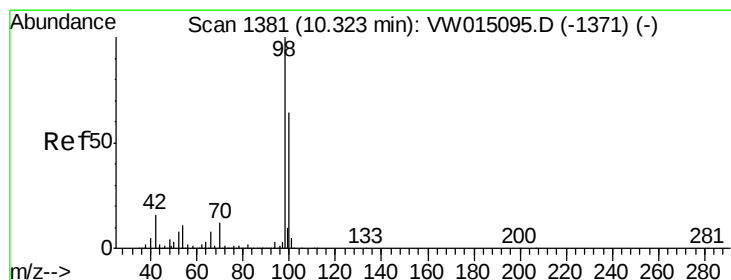
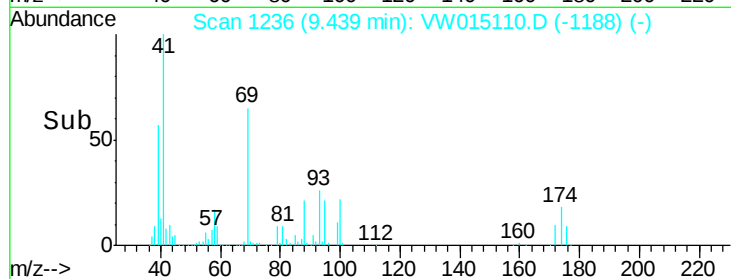
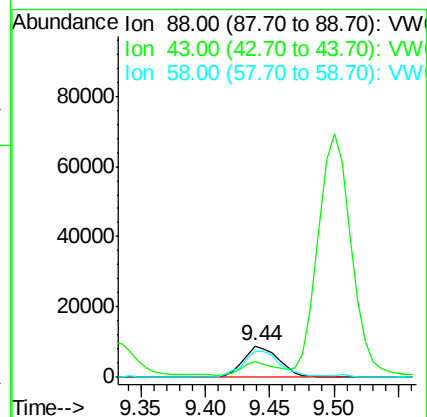
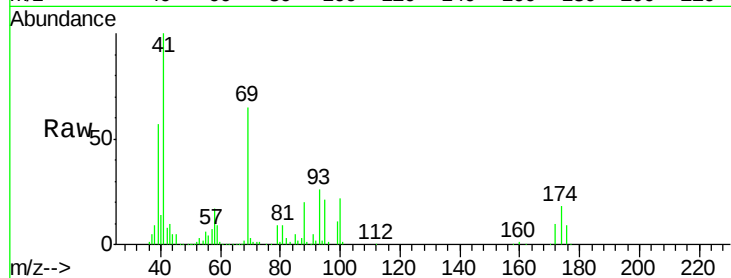
58 89.1 64.0 96.0

Manual Integrations

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#50

Toluene-d8

Concen: 53.452 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015110.D

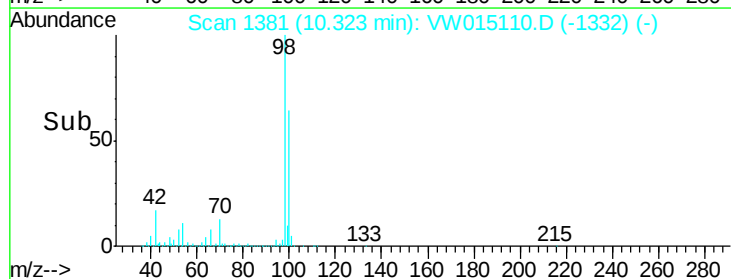
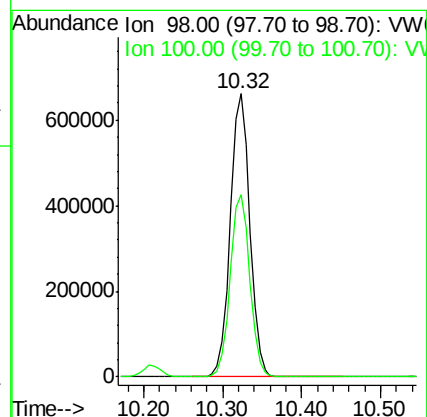
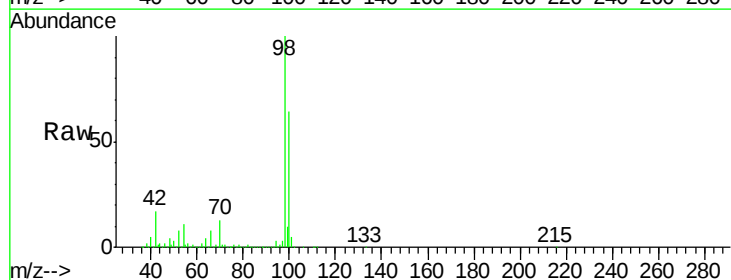
Acq: 10 Mar 2020 13:43

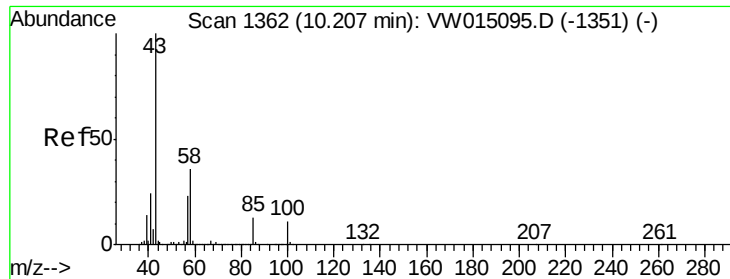
Tgt Ion: 98 Resp: 1137860

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 91.013 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion: 43 Resp: 442275

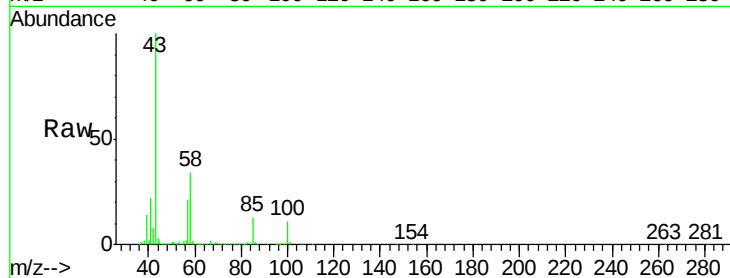
Ion Ratio Lower Upper

43 100

58 34.4 28.0 42.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

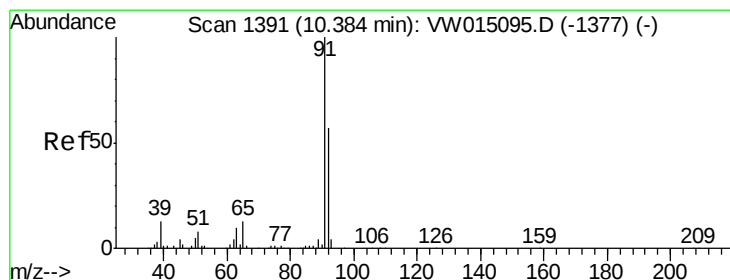
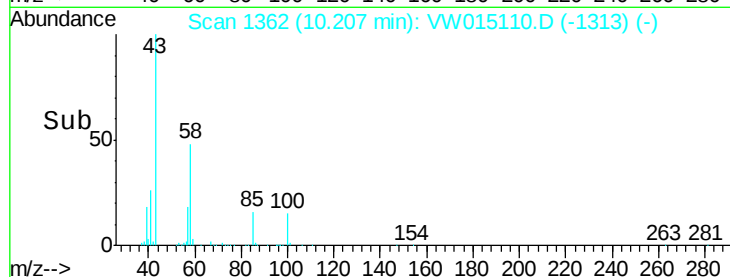
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.828 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015110.D

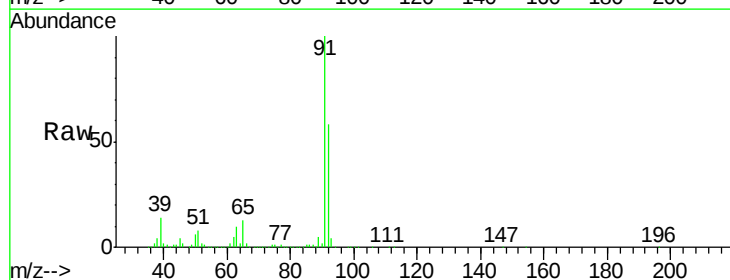
Acq: 10 Mar 2020 13:43

Tgt Ion: 92 Resp: 327402

Ion Ratio Lower Upper

92 100

91 174.7 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

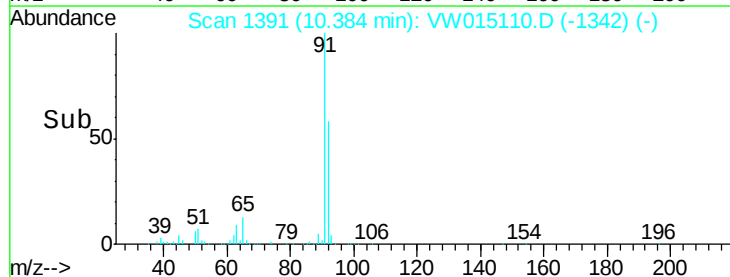
300000

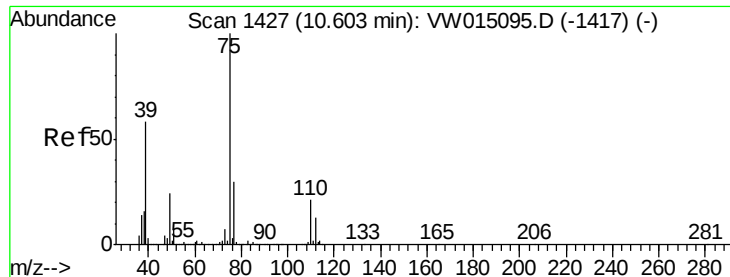
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.702 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBS01

Tot Ion: 75 Resp: 165817

Ion Ratio Lower Upper

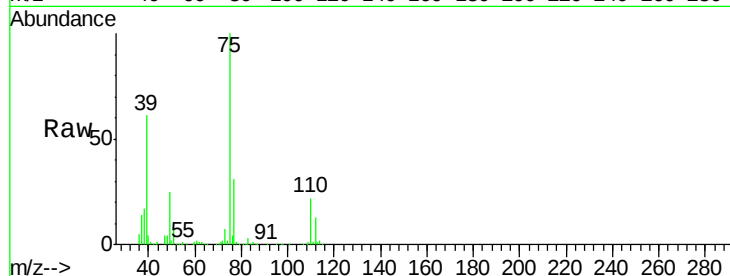
75 100

77 31.5 24.4 36.6

Manual Integrations
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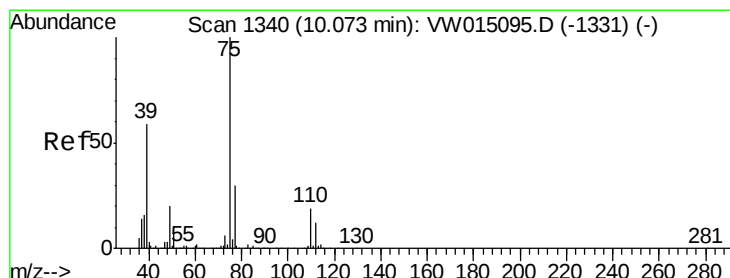
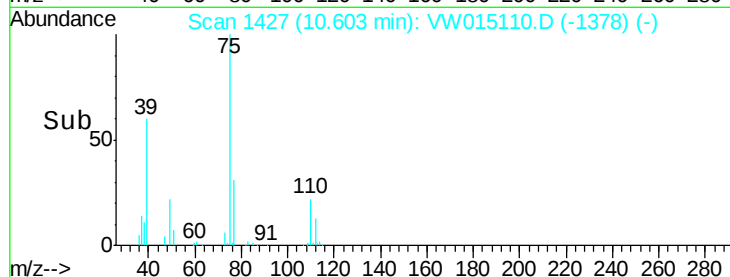
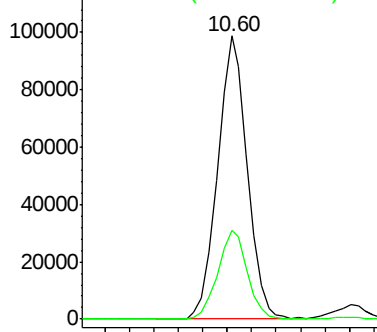
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.297 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

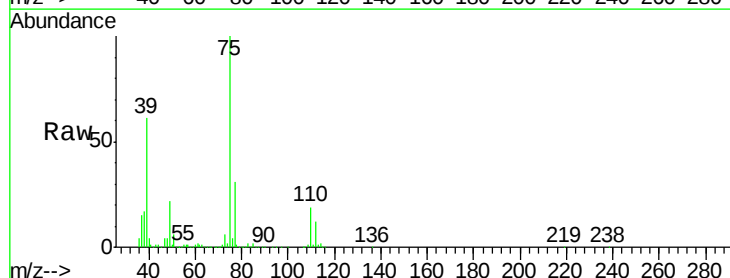
Tgt Ion: 75 Resp: 208090

Ion Ratio Lower Upper

75 100

77 30.9 24.3 36.5

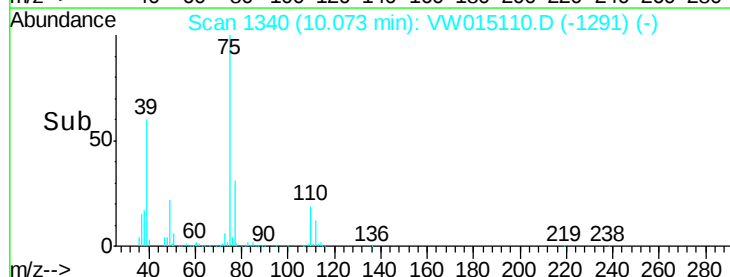
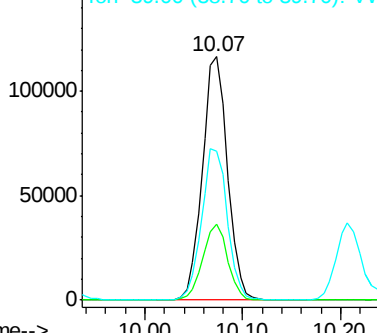
39 61.0 47.0 70.6

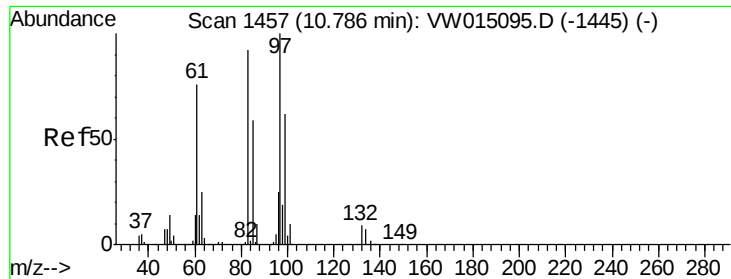


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





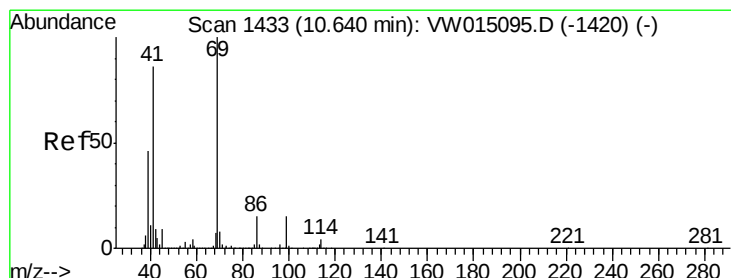
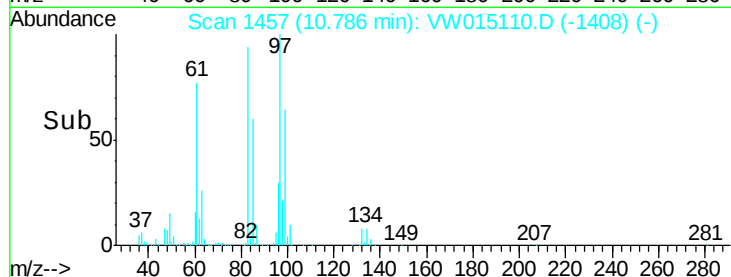
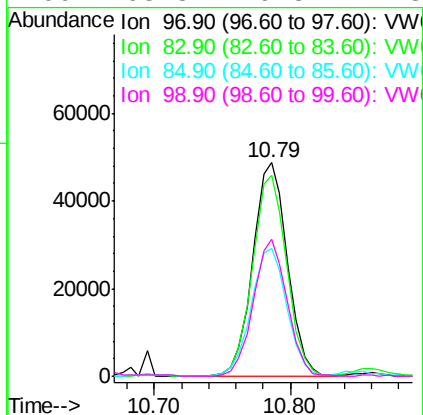
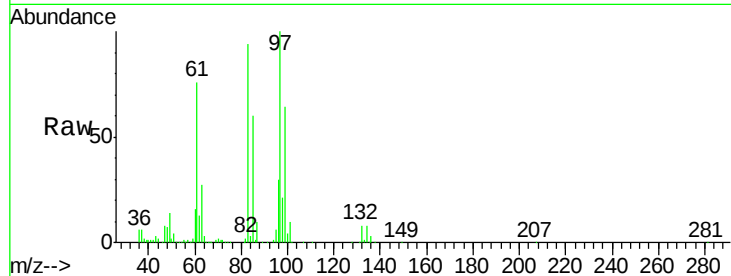
#55
 1,1,2-Trichloroethane
 Concen: 19.785 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBS01

Tot Ion:	97	Resp:	86866
Ion	Ratio	Lower	Upper
97	100		
83	94.0	74.0	111.0
85	59.7	46.9	70.3
99	63.8	49.8	74.8

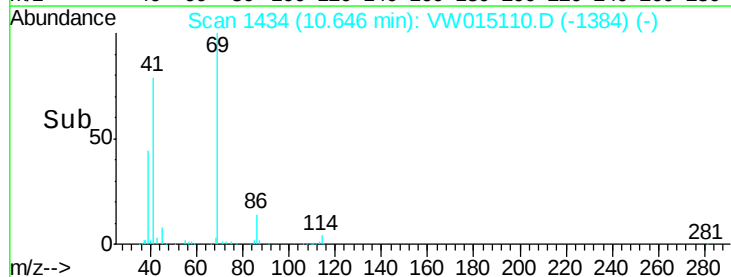
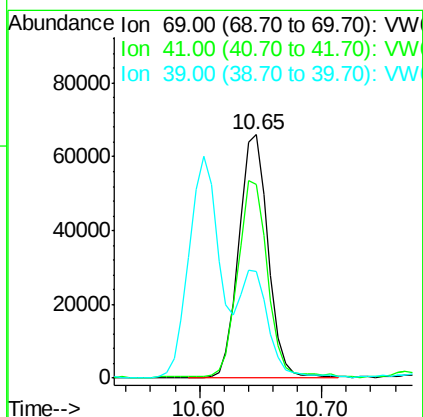
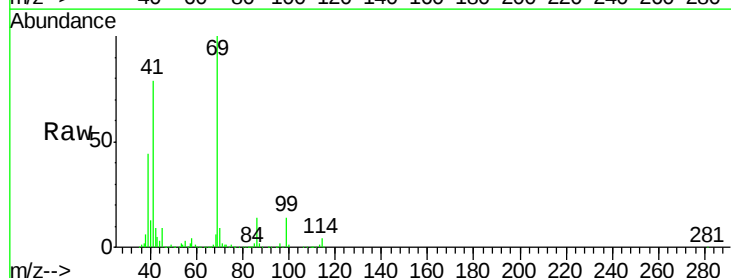
Manual Integrations
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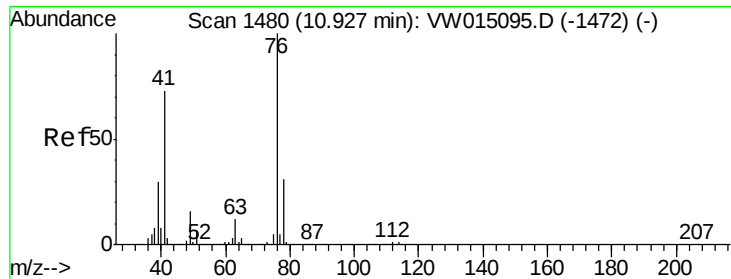
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#56
 Ethyl methacrylate
 Concen: 18.583 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Tgt Ion:	69	Resp:	109175
Ion	Ratio	Lower	Upper
69	100		
41	83.5	65.8	98.6
39	41.8	31.2	46.8





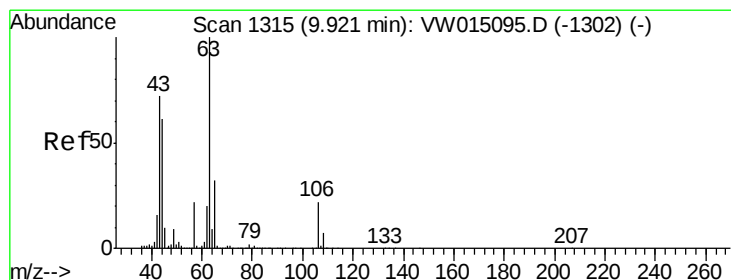
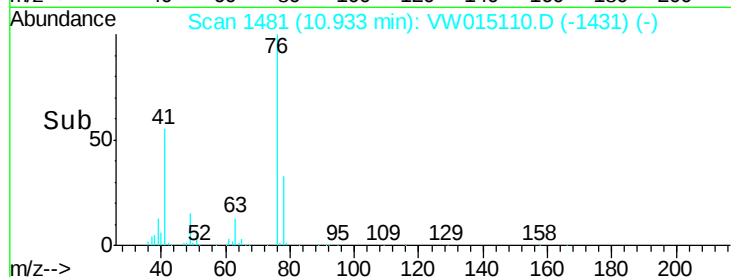
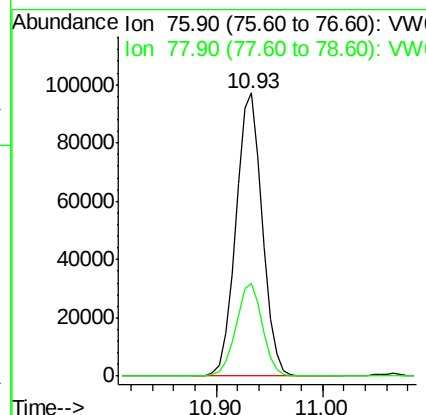
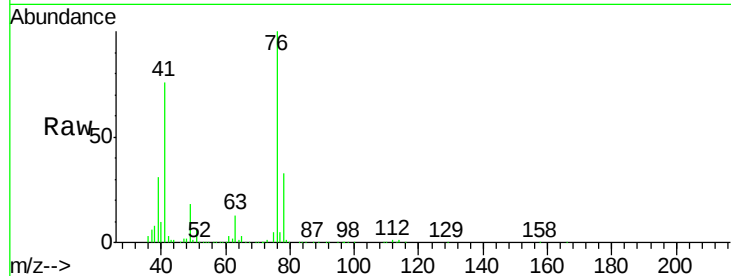
#57
 1,3-Dichloropropane
 Concen: 20.111 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.3	37.9

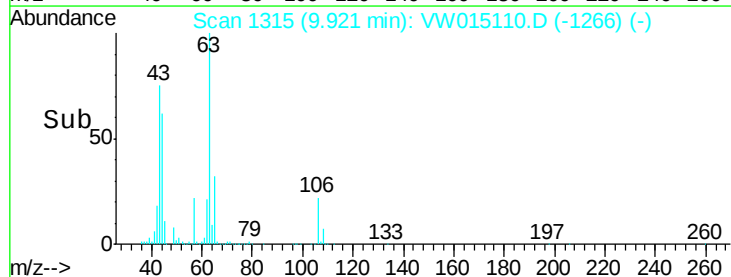
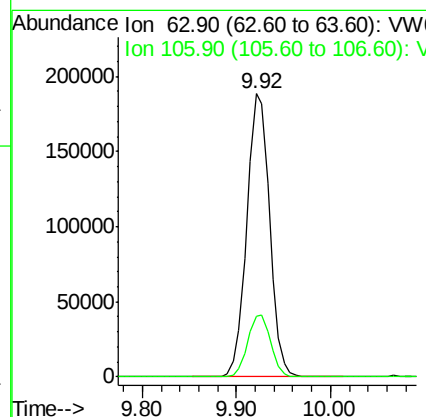
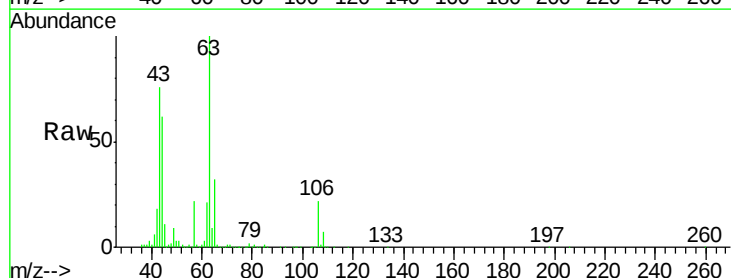
Manual Integrations
 APPROVED

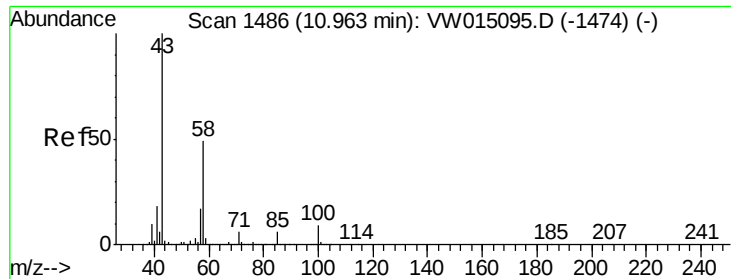
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 3/11/2020 3:22:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.105 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.3	18.0	27.0





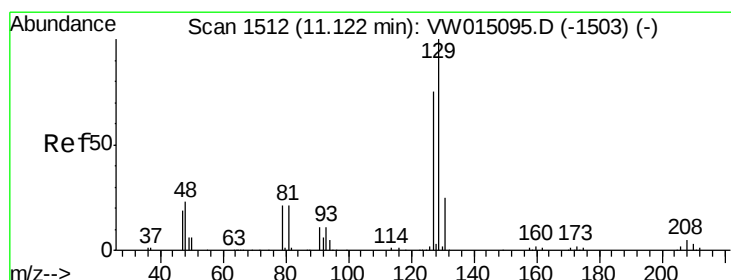
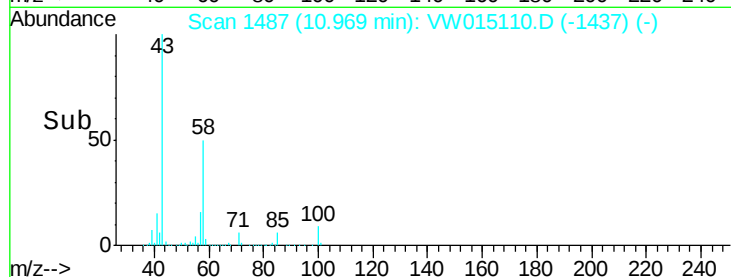
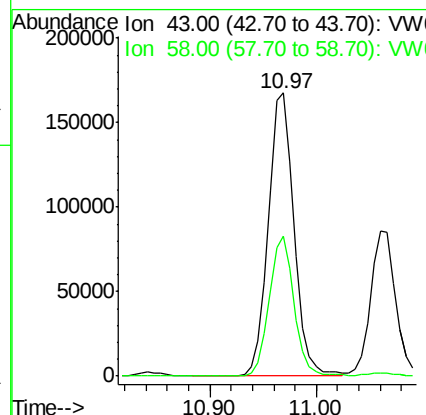
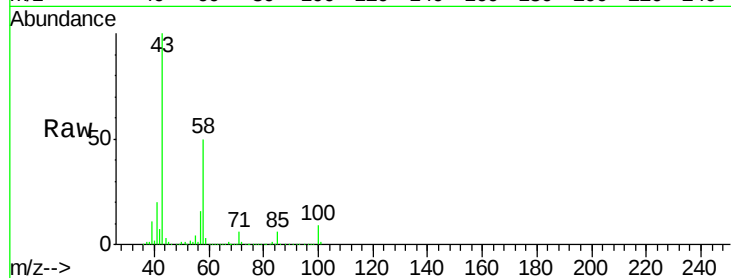
#59
2-Hexanone
Concen: 88.336 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.6	24.6	73.8

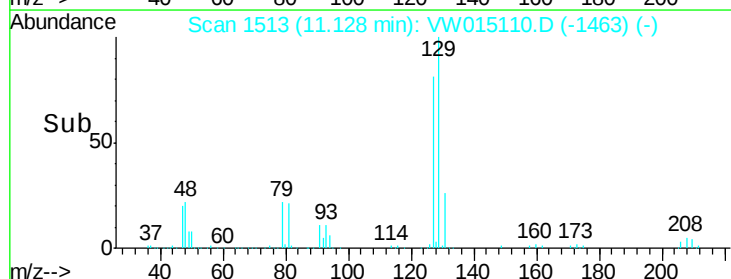
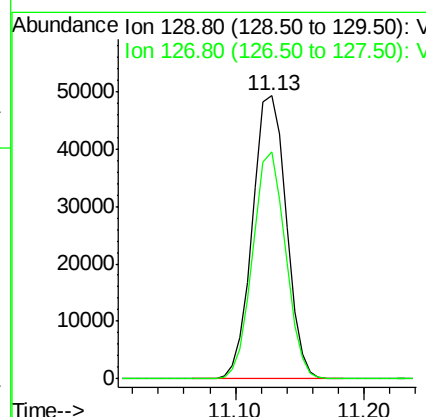
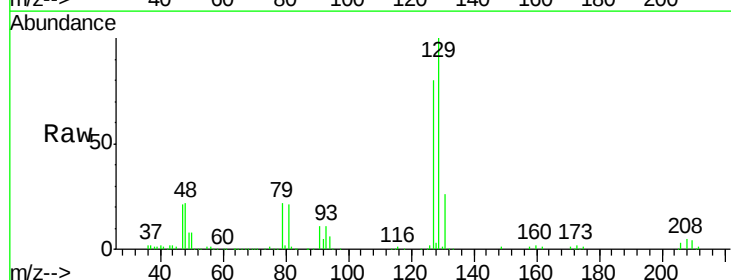
Manual Integrations
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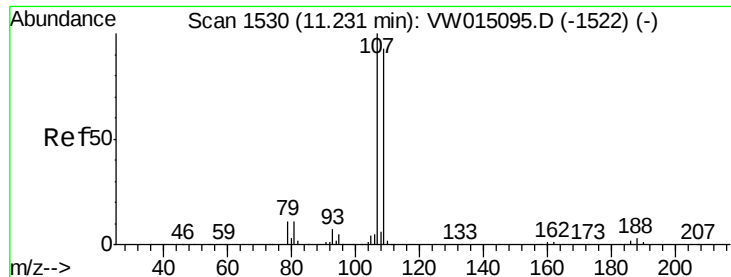
MMDadoda
3/11/2020 3:22:11 PM



#60
Dibromochloromethane
Concen: 19.688 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.7	116.1





#61

1,2-Dibromoethane

Concen: 19.536 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion: 107 Resp: 76043

Ion Ratio Lower Upper

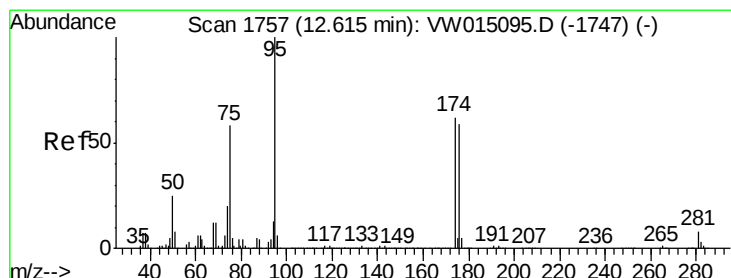
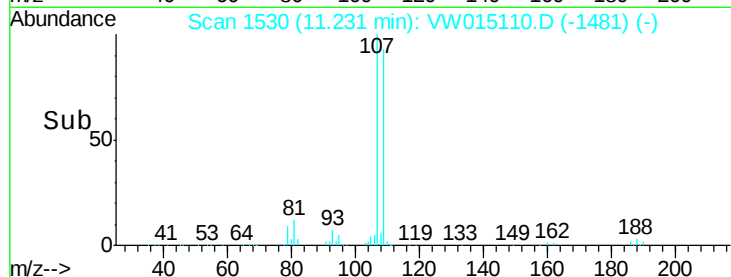
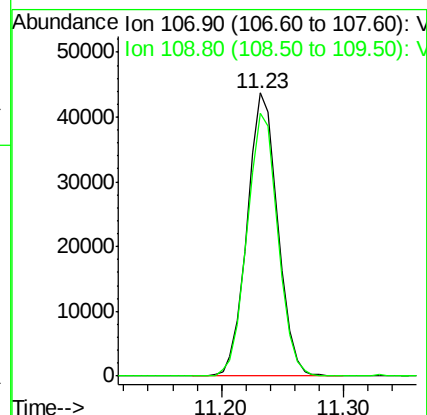
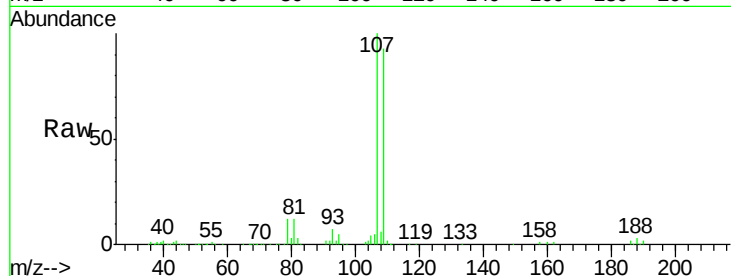
107 100

109 93.8 75.3 112.9

Manual Integrations
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3/11/2020 3:22:11 PM



#62

4-Bromofluorobenzene

Concen: 53.487 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

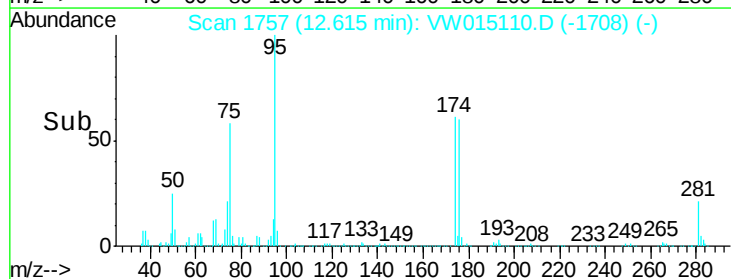
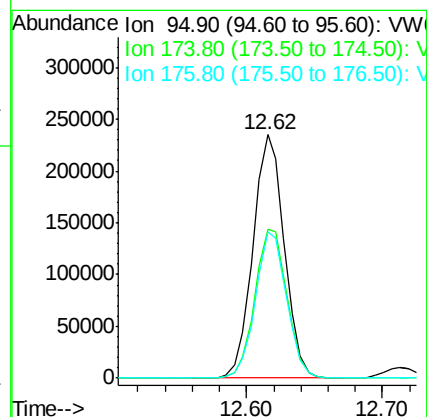
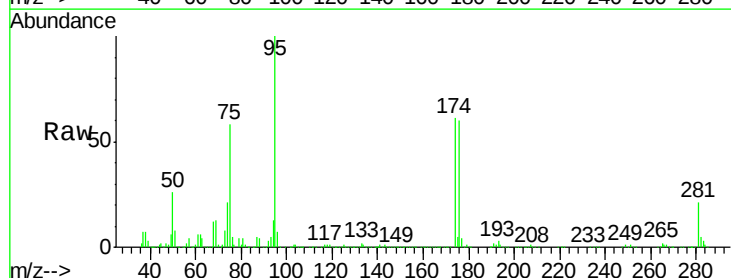
Tgt Ion: 95 Resp: 378211

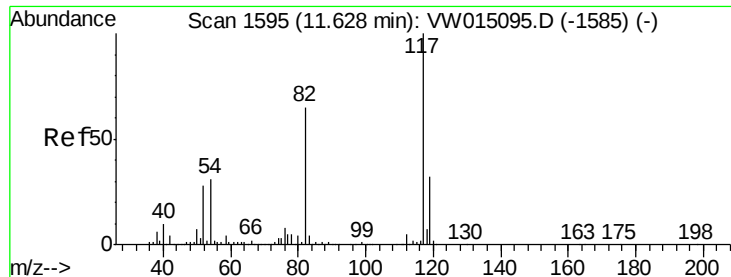
Ion Ratio Lower Upper

95 100

174 63.1 0.0 126.8

176 60.0 0.0 121.6





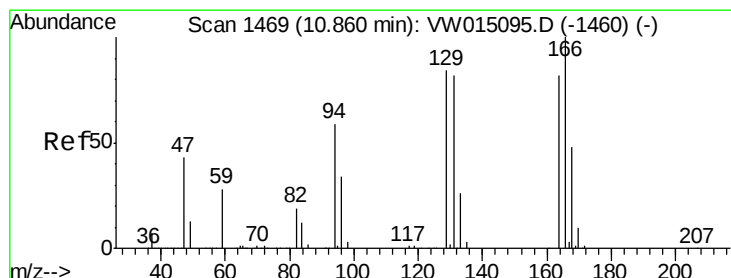
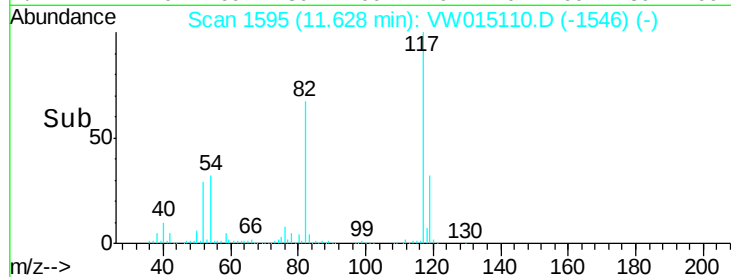
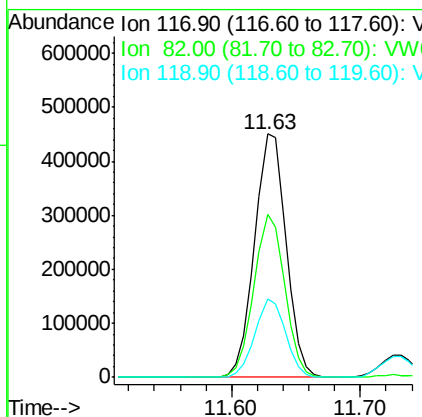
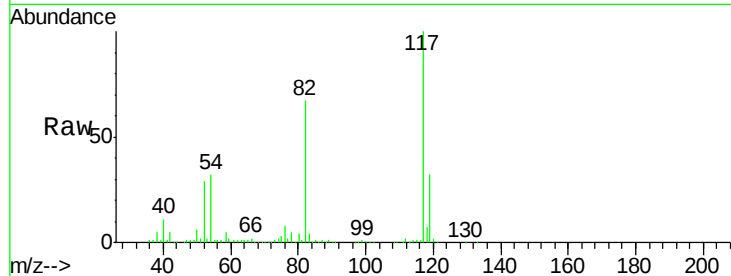
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.9	52.2	78.2
119	32.2	25.4	38.0

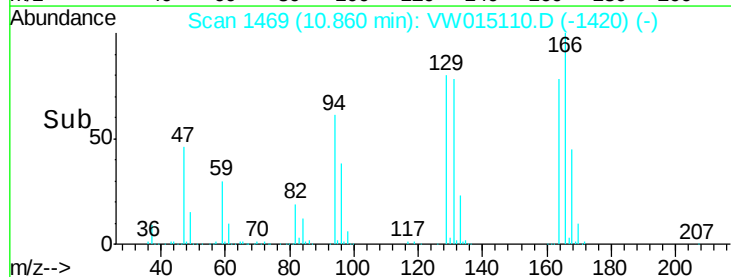
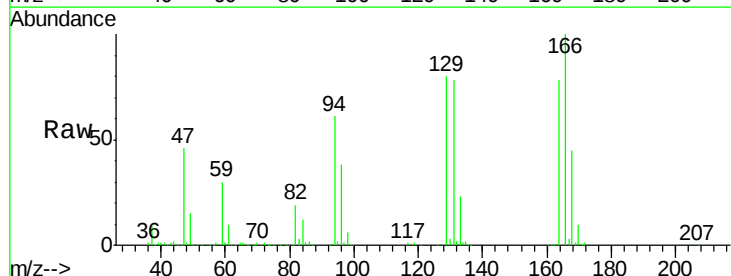
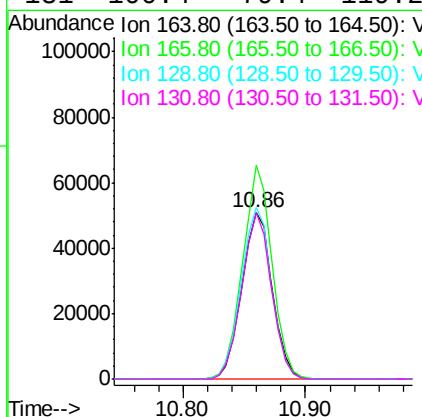
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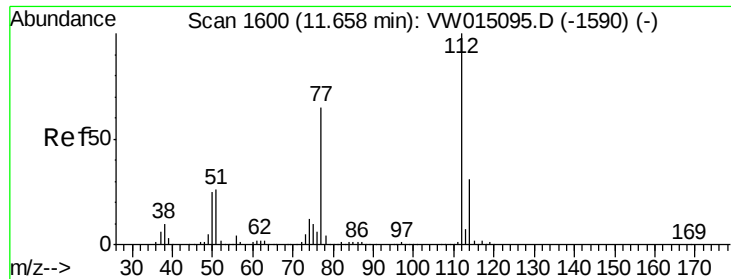
MMDadoda
3/11/2020 3:22:11 PM



#64
Tetrachloroethene
Concen: 19.925 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	97.0	145.6
129	103.5	81.2	121.8
131	100.4	79.4	119.2





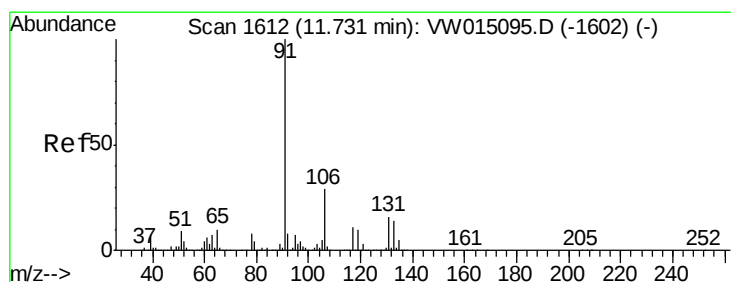
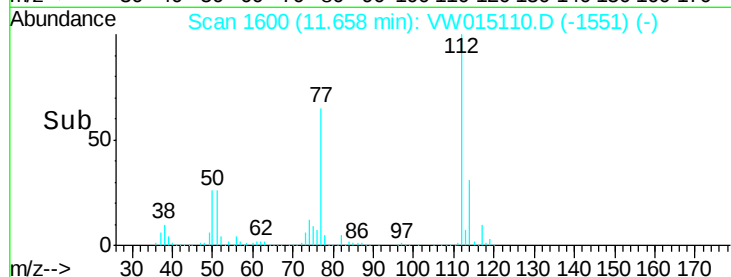
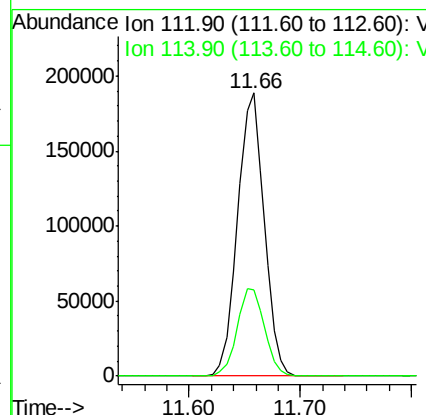
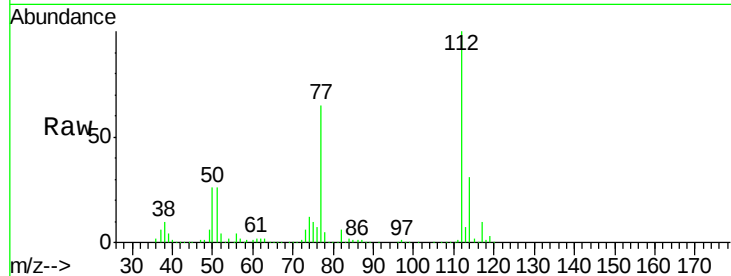
#65
Chlorobenzene
Concen: 20.404 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBS01

Tot Ion:112 Resp: 312167
Ion Ratio Lower Upper
112 100
114 30.7 25.0 37.6

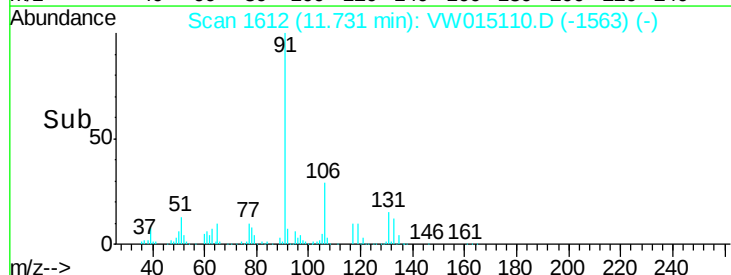
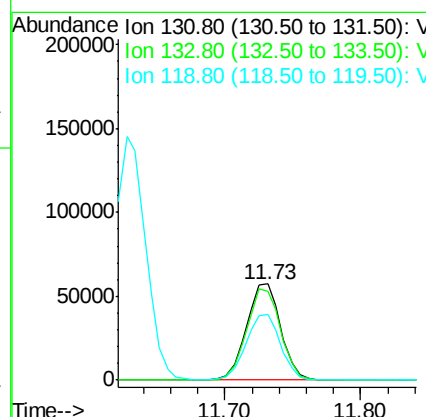
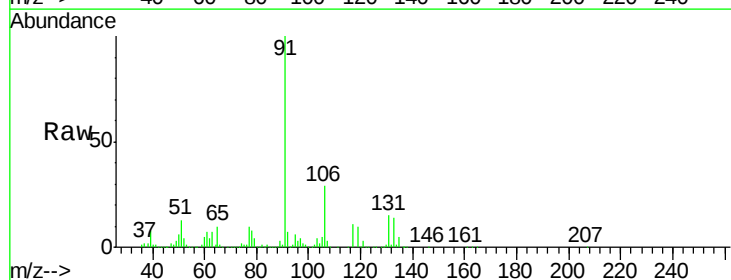
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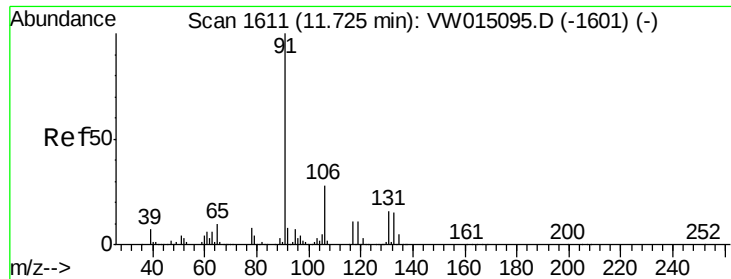
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.740 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion:131 Resp: 100568
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.8
119 69.1 34.0 101.8





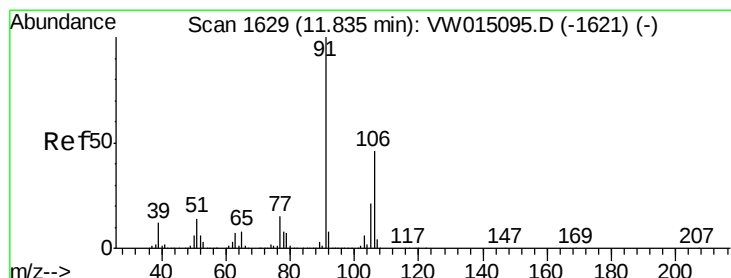
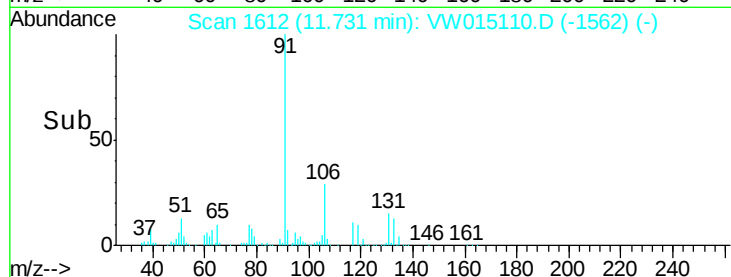
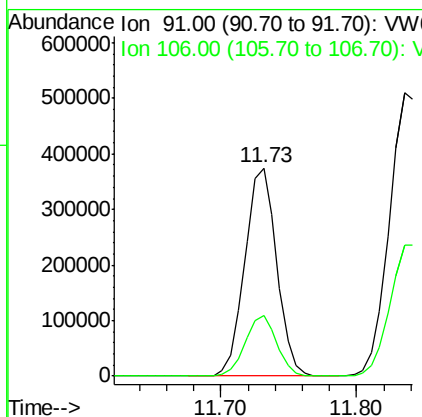
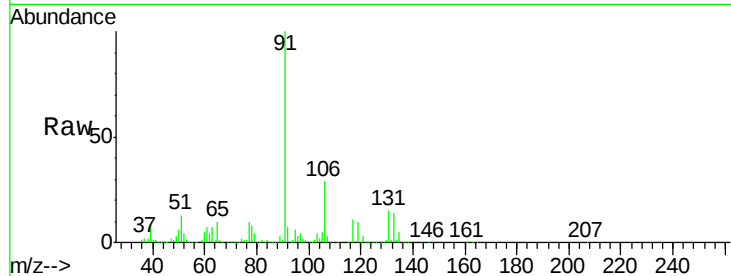
#67
Ethyl Benzene
Concen: 20.672 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBS01

Tot Ion: 91 Resp: 615450
Ion Ratio Lower Upper
91 100
106 29.0 22.8 34.2

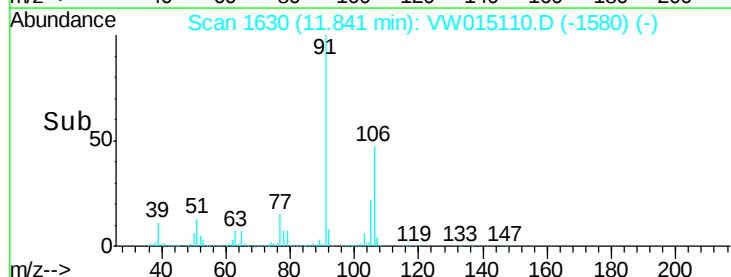
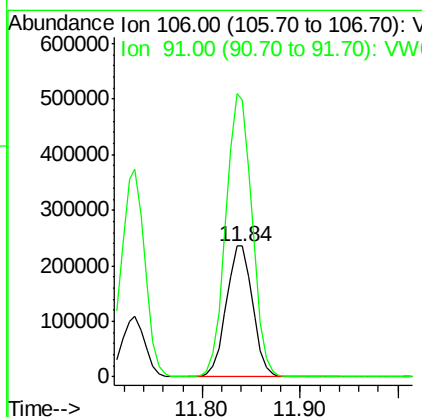
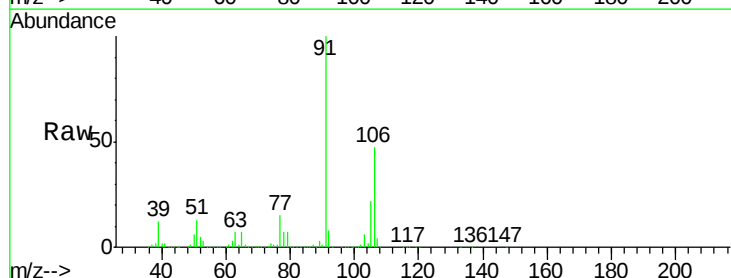
Manual Integrations
APPROVED

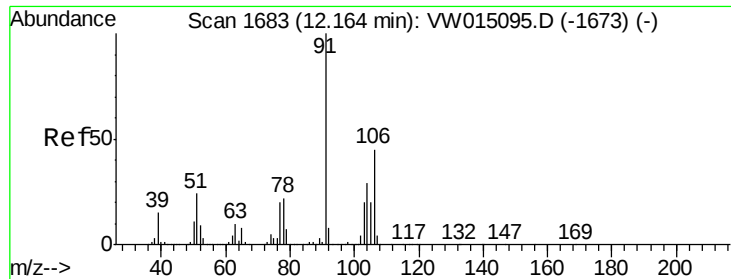
MMDadoda
3/11/2020 3:22:11 PM



#68
m/p-Xylenes
Concen: 41.567 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion: 106 Resp: 437485
Ion Ratio Lower Upper
106 100
91 216.1 172.3 258.5





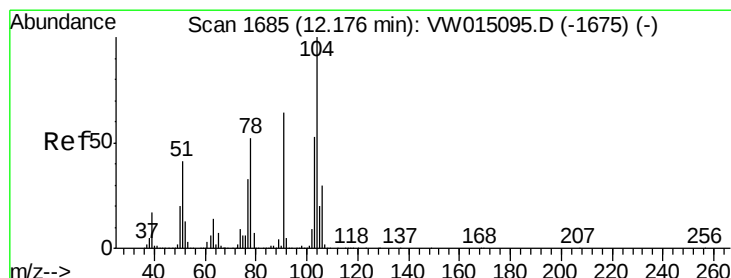
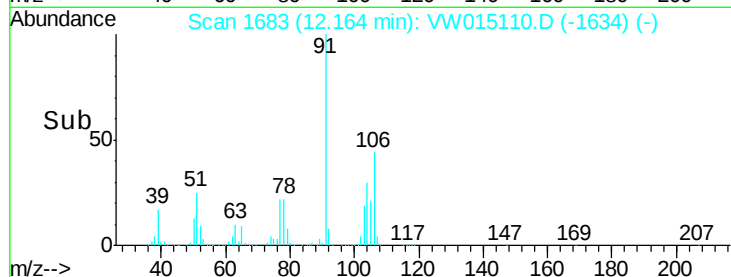
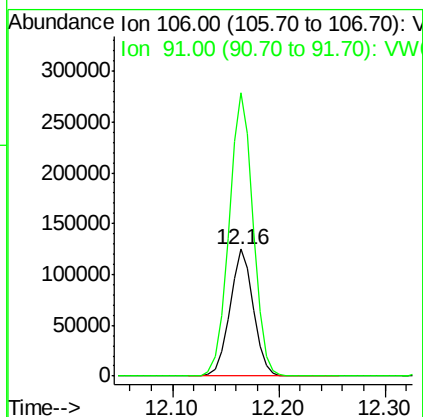
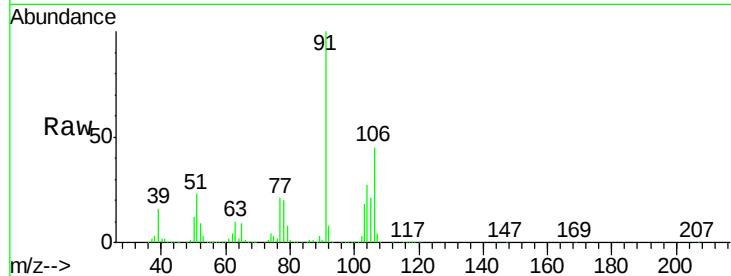
#69
o-Xylene
Concen: 20.297 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion:106 Resp: 192434
Ion Ratio Lower Upper
106 100
91 227.8 112.6 337.8

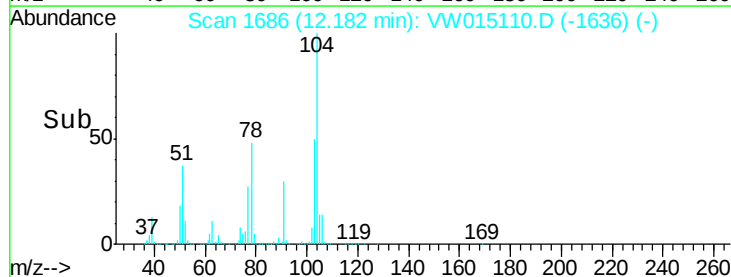
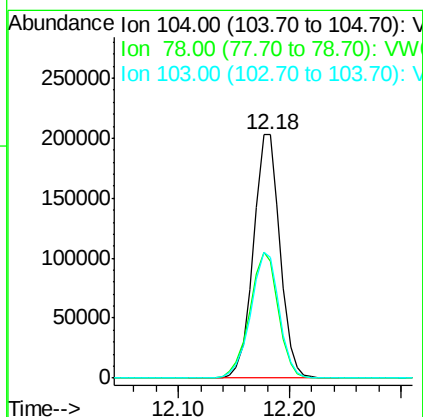
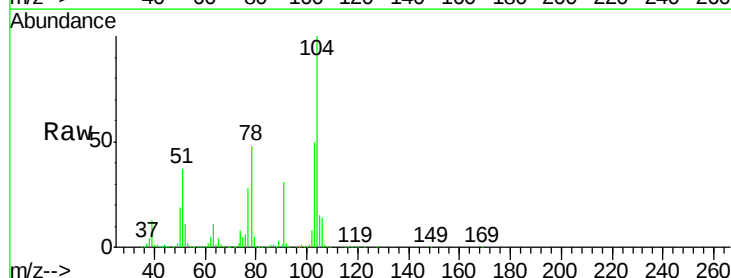
Manual Integrations
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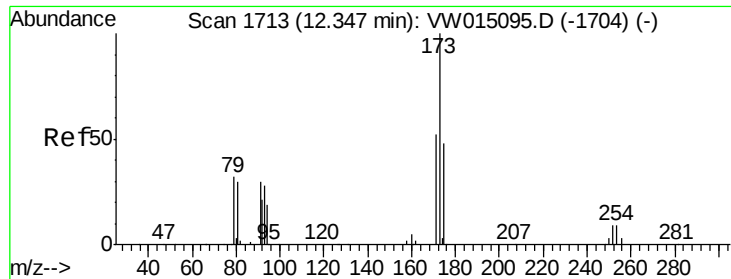
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#70
Styrene
Concen: 20.839 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion:104 Resp: 338522
Ion Ratio Lower Upper
104 100
78 55.4 44.7 67.1
103 55.1 44.7 67.1





#71

Bromoform

Concen: 18.593 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

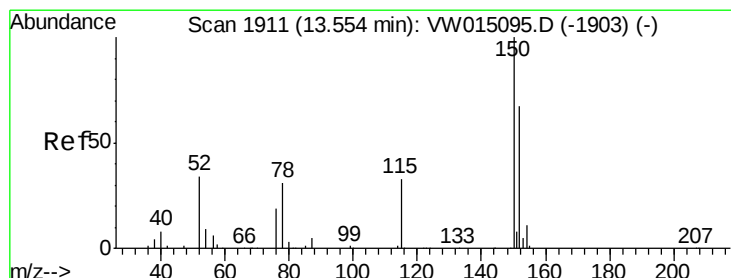
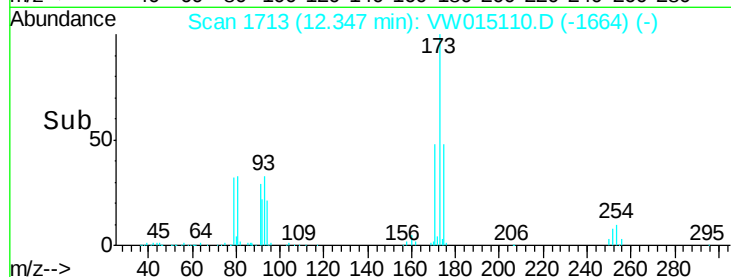
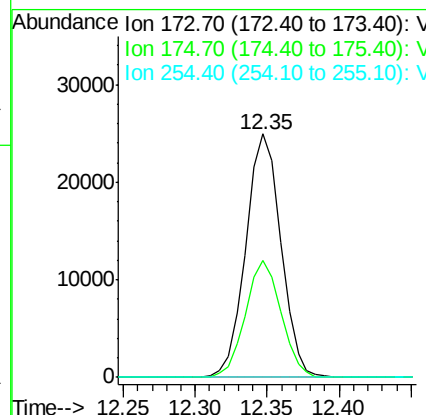
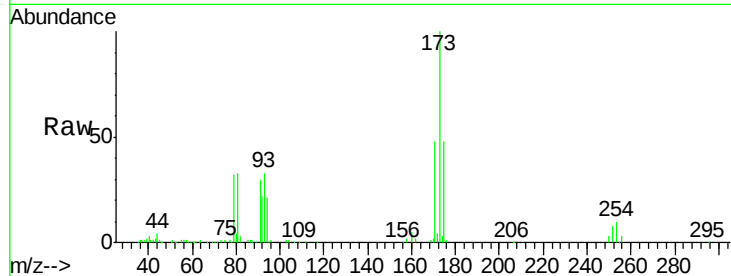
ClientSampleId :

VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.8	71.4
254	0.2	0.1	0.1#

Manual Integrations
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3/11/2020 3:22:11 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

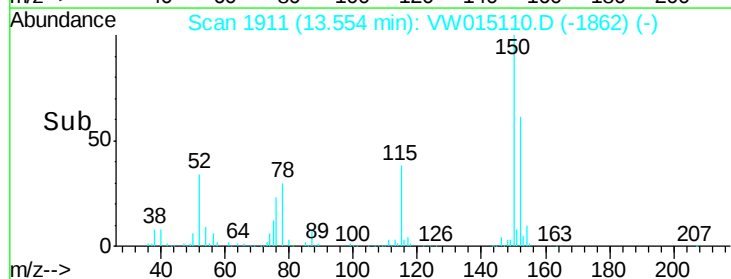
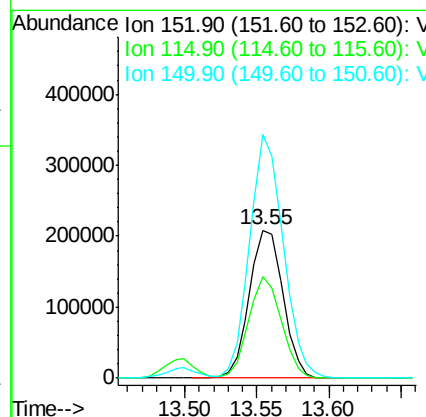
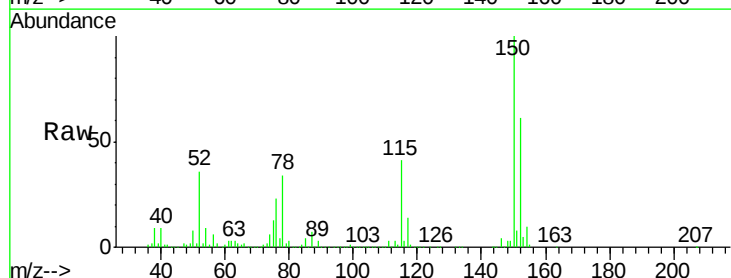
RT: 13.55 min Scan# 1911

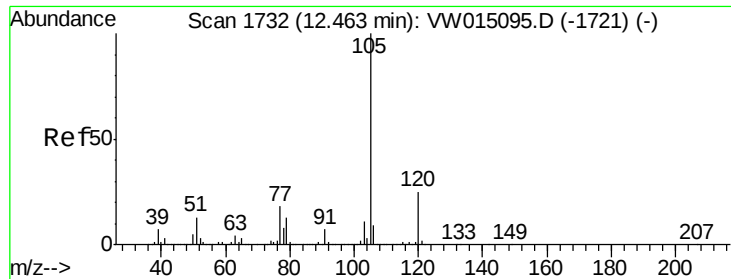
Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.2	33.3	99.9
150	164.8	0.0	351.2





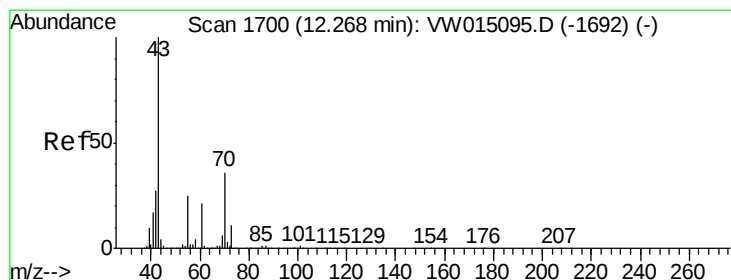
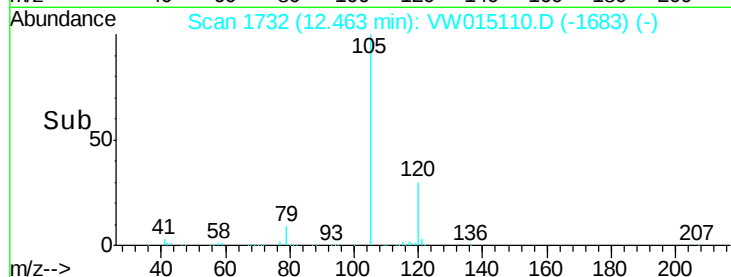
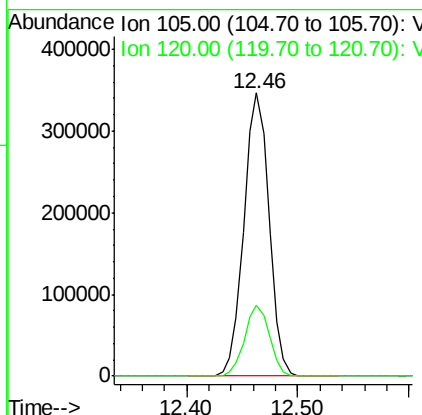
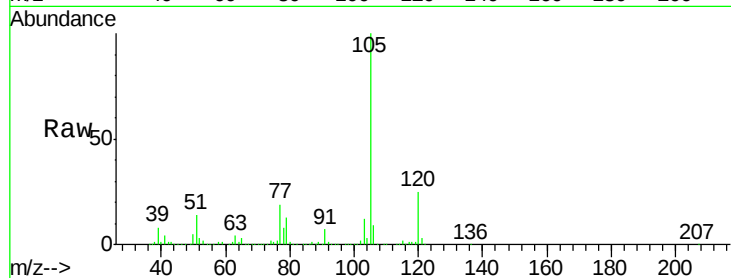
#73
Isopropylbenzene
Concen: 21.057 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.6	37.8

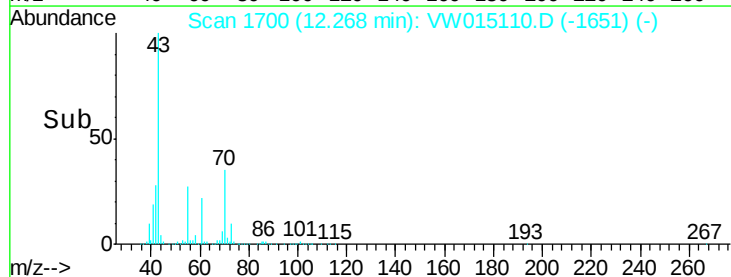
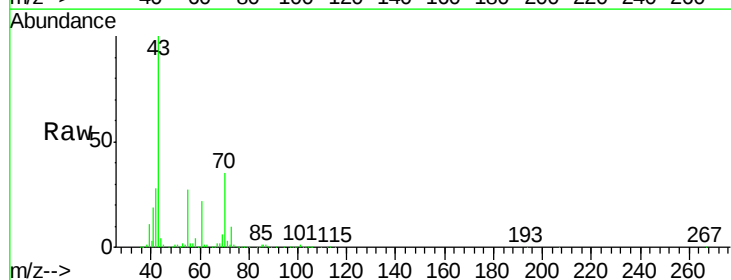
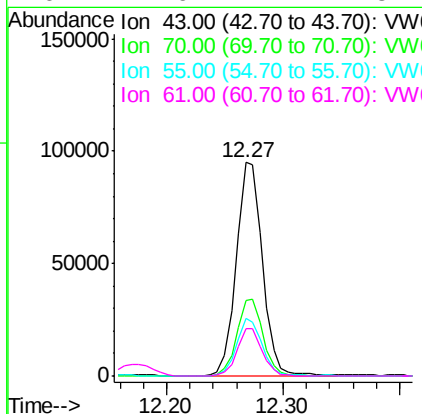
Manual Integrations
APPROVED

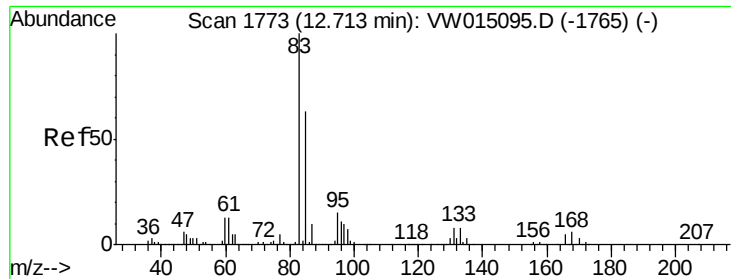
MMDadoda
3/11/2020 3:22:11 PM



#74
N-ethyl acetate
Concen: 19.179 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.8	29.4	44.2
55	26.1	20.3	30.5
61	21.6	17.1	25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.998 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

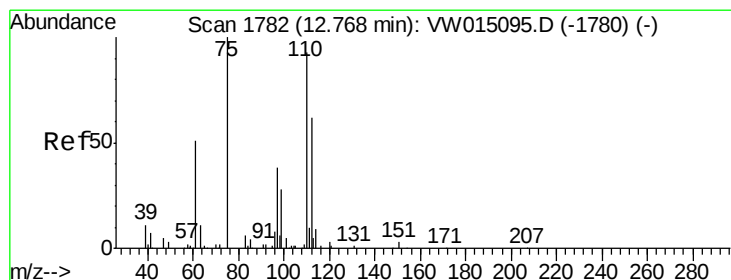
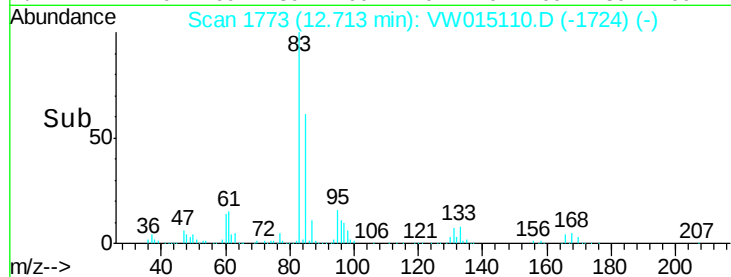
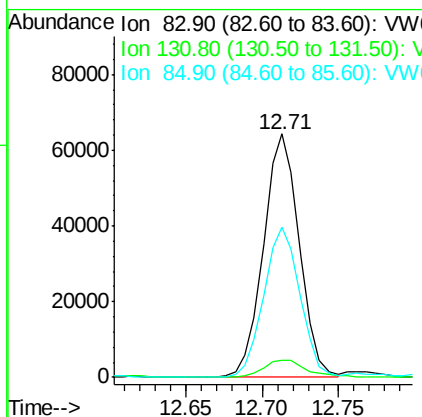
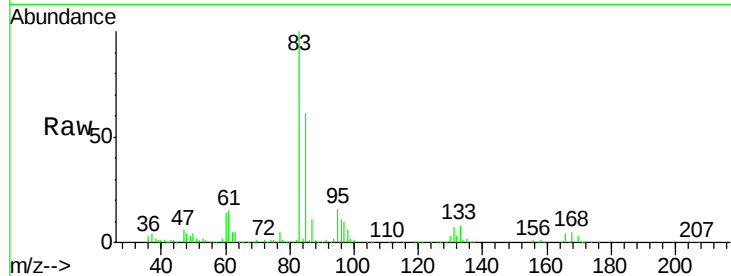
ClientSampleId :

VW0310SBSD01

Tot Ion:	83	Resp:	104889
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.3	13.1
85	62.2	31.5	94.5

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#76

1,2,3-Trichloropropane

Concen: 21.506 ug/l m

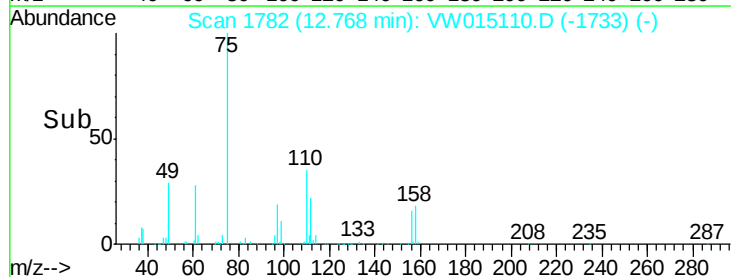
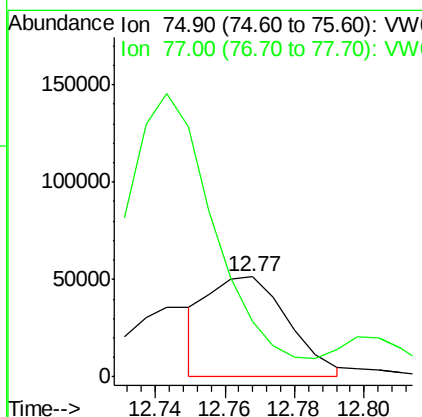
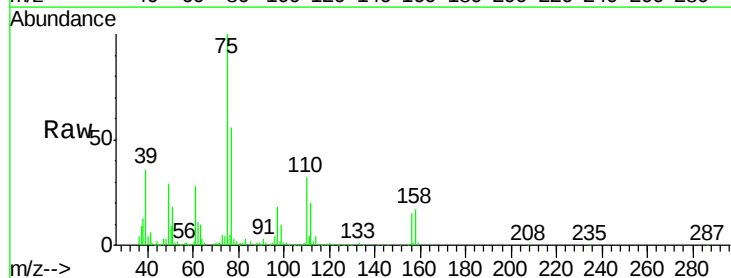
RT: 12.77 min Scan# 1782

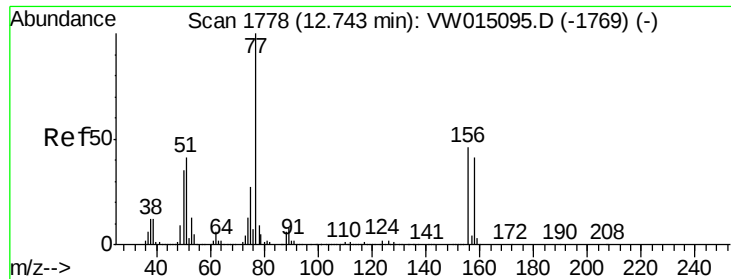
Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Tgt Ion:	75	Resp:	82190
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





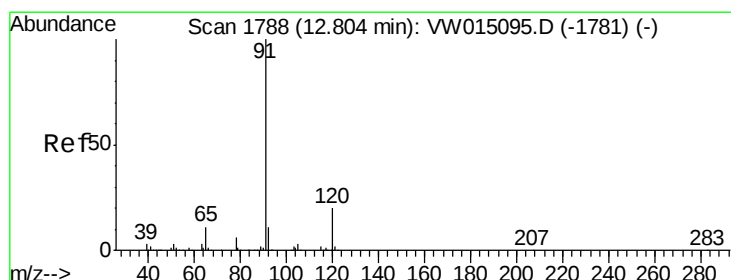
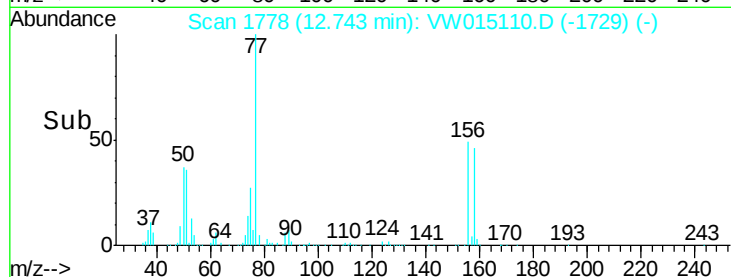
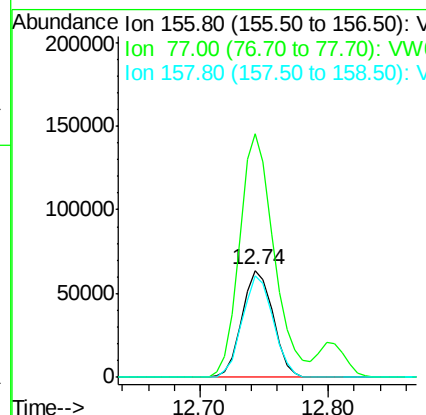
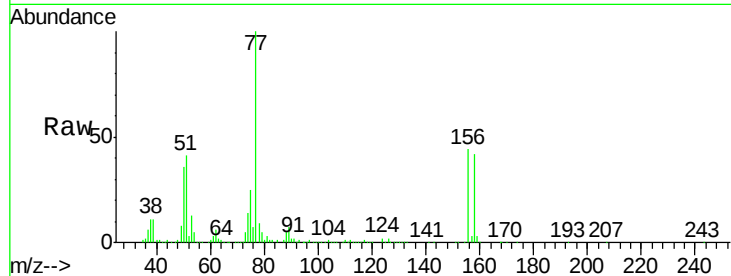
#77
Bromobenzene
Concen: 20.821 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	254.1	126.6	379.8
158	95.0	47.4	142.2

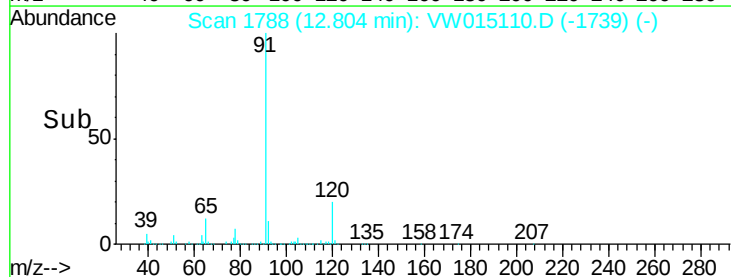
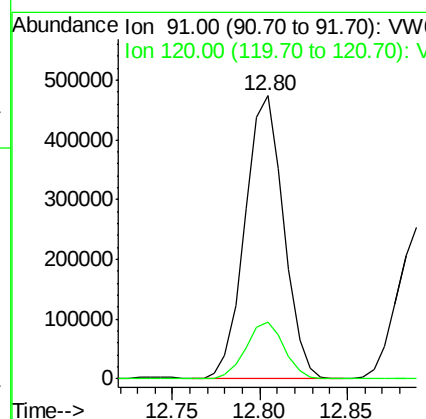
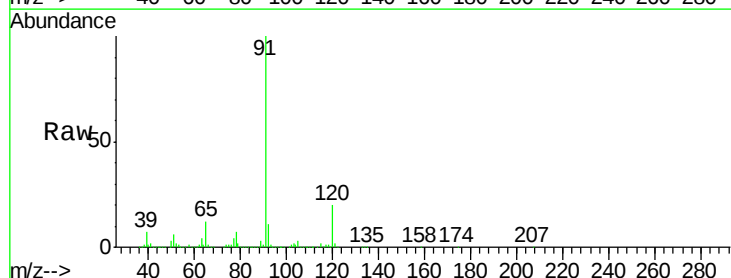
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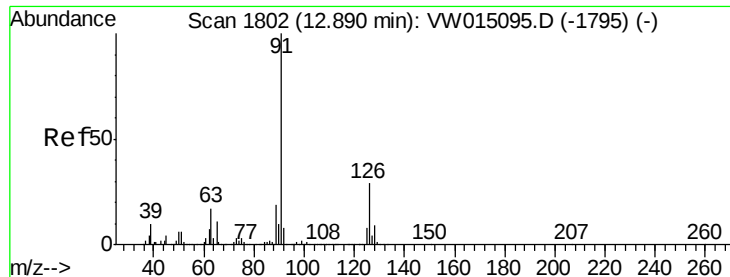
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#78
n-propylbenzene
Concen: 21.691 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.2	30.4





#79

2-Chlorotoluene

Concen: 21.206 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion: 91 Resp: 400223

Ion Ratio Lower Upper

91 100

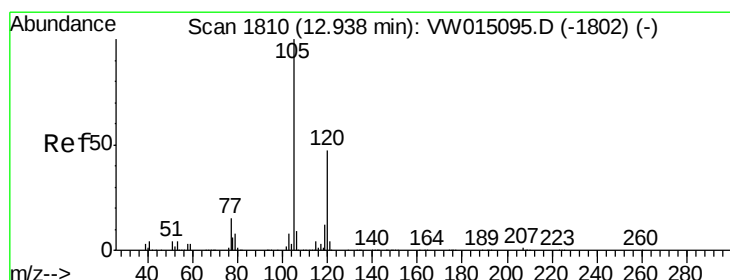
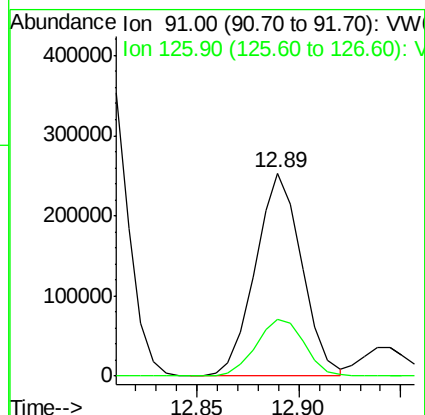
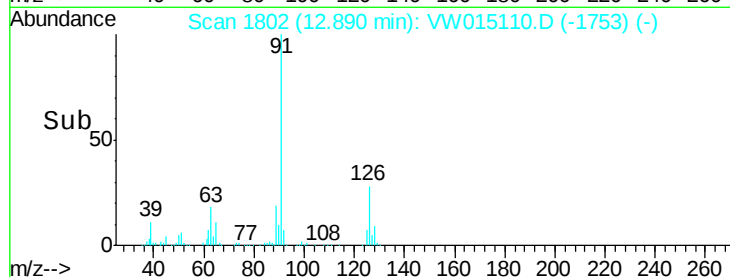
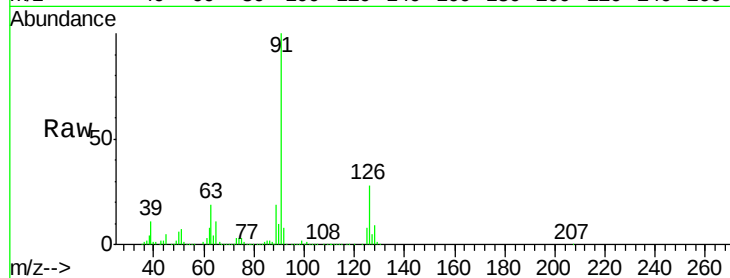
126 29.5 14.5 43.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.482 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW015110.D

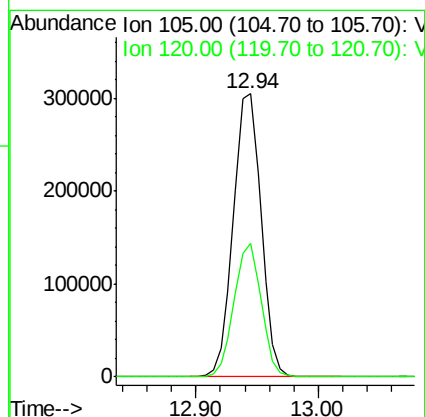
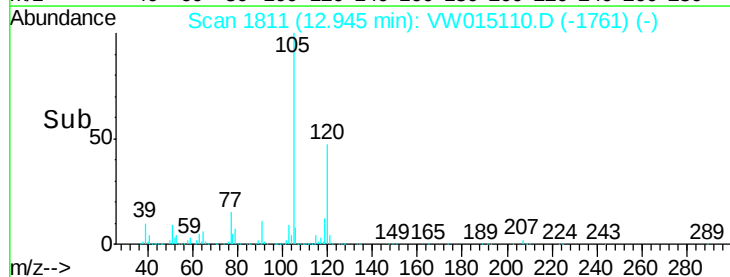
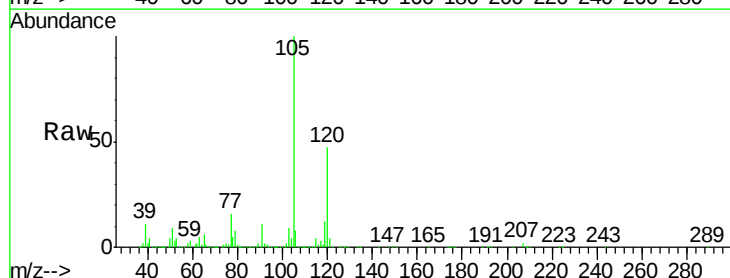
Acq: 10 Mar 2020 13:43

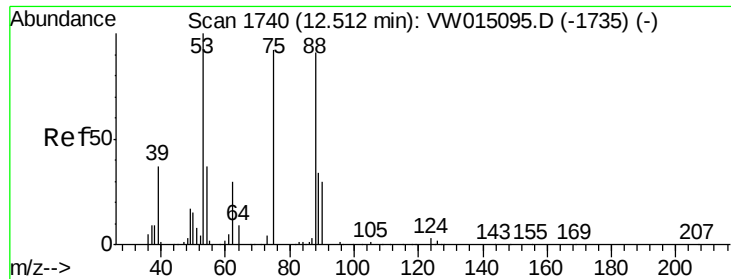
Tgt Ion: 105 Resp: 477100

Ion Ratio Lower Upper

105 100

120 46.3 23.3 69.8





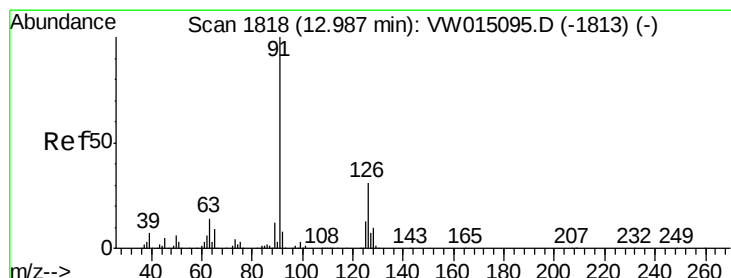
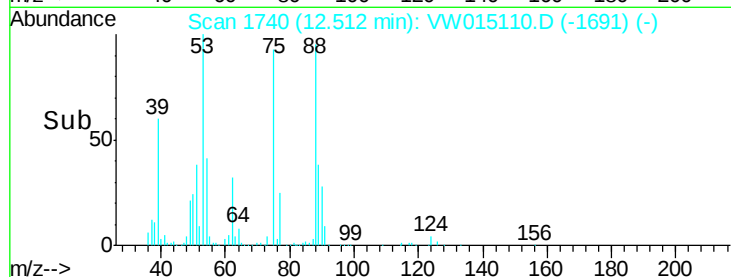
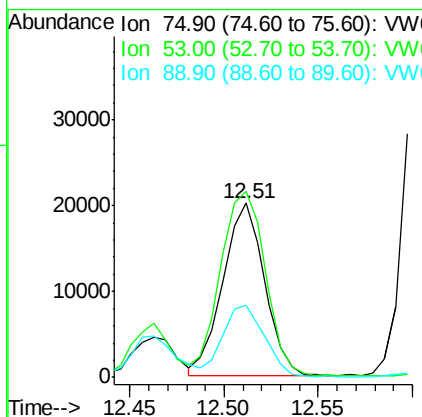
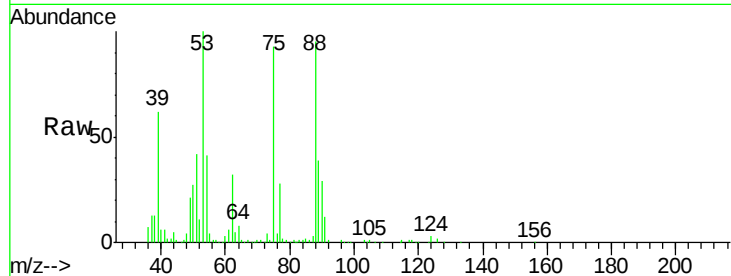
#81
trans-1,4-Dichloro-2-butene
Concen: 18.270 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.1	88.4	132.6
89	42.4	33.1	49.7

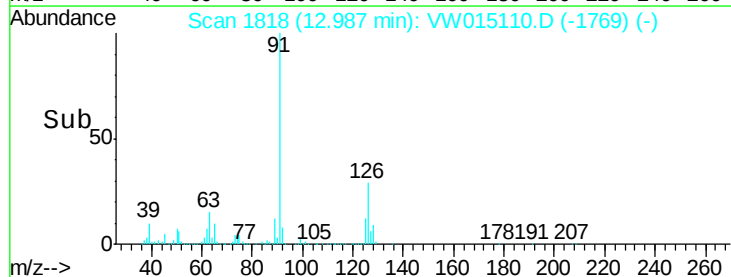
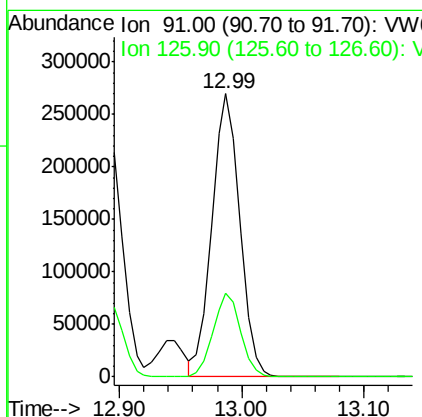
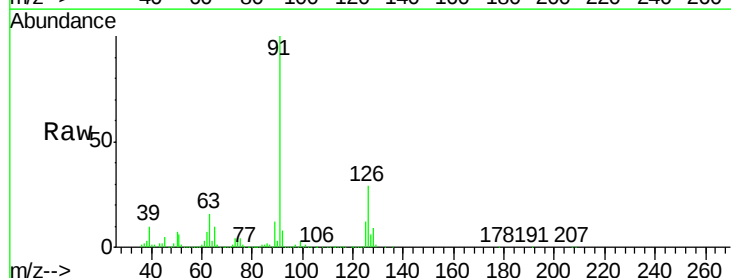
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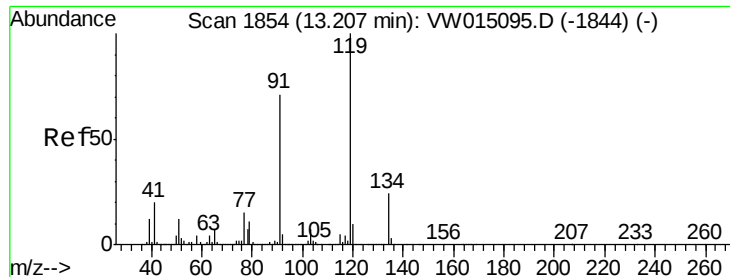
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#82
4-Chlorotoluene
Concen: 21.306 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.8	44.4





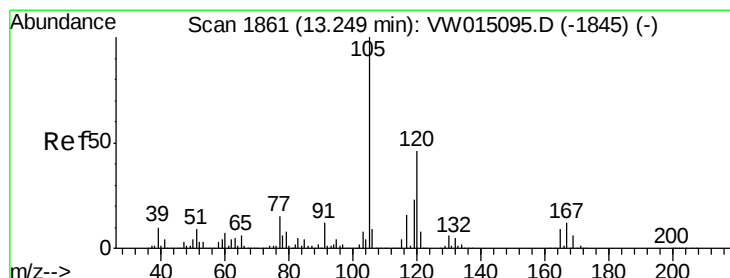
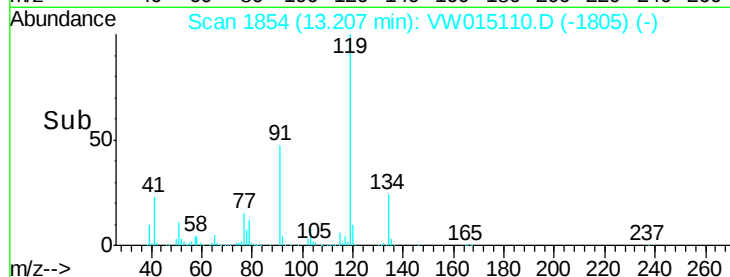
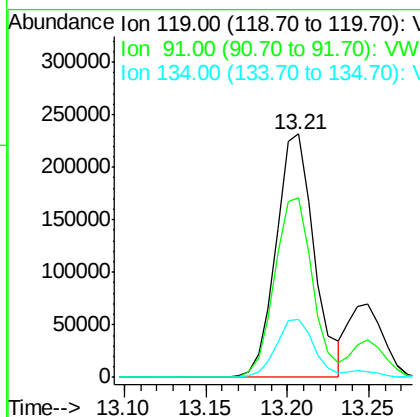
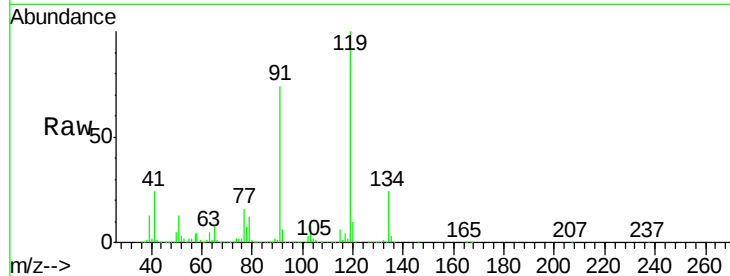
#83
tert-Butylbenzene
Concen: 20.739 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.6	35.7	107.1
134	24.3	12.7	38.1

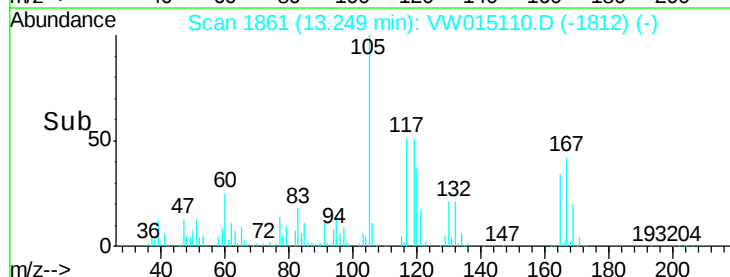
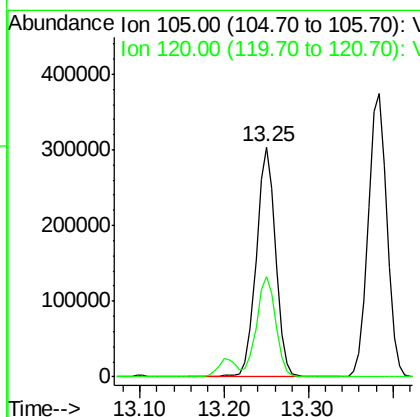
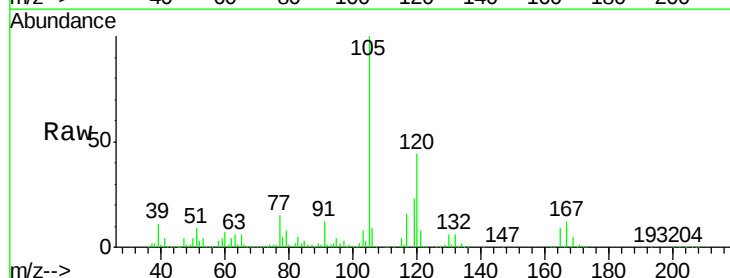
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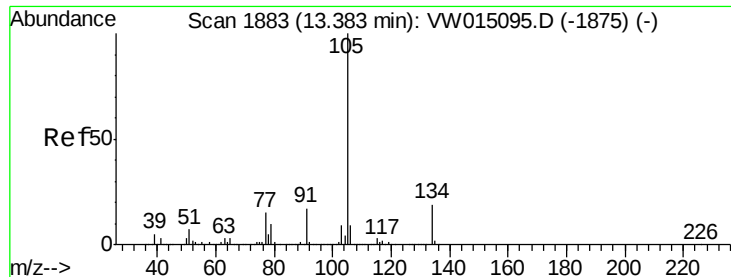
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#84
1,2,4-Trimethylbenzene
Concen: 21.209 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.3





#85

sec-Butylbenzene

Concen: 21.207 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

VW0310SBSD01

Tot Ion:105 Resp: 577466

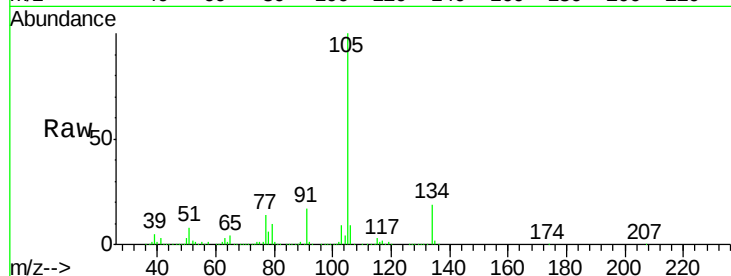
Ion Ratio Lower Upper

105 100

134 18.1 9.0 27.1

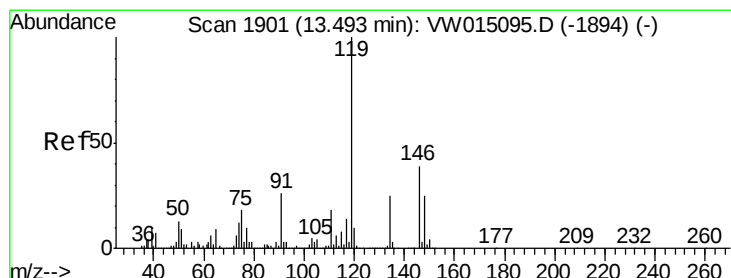
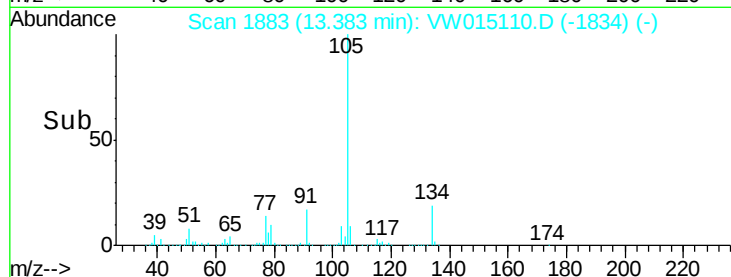
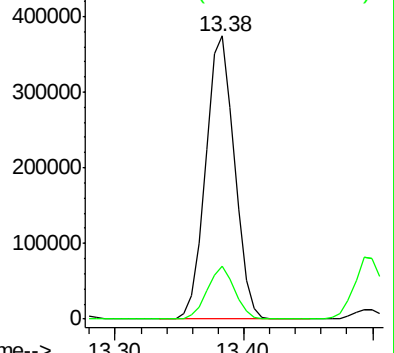
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.090 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

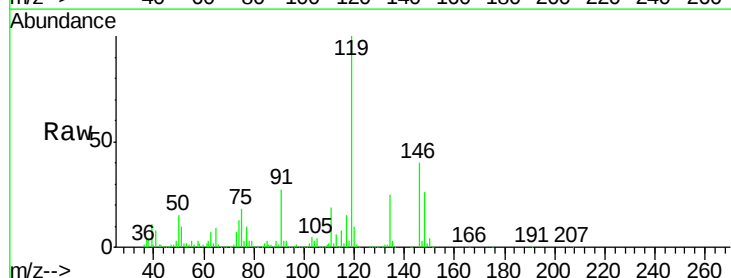
Tgt Ion:119 Resp: 493619

Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.8

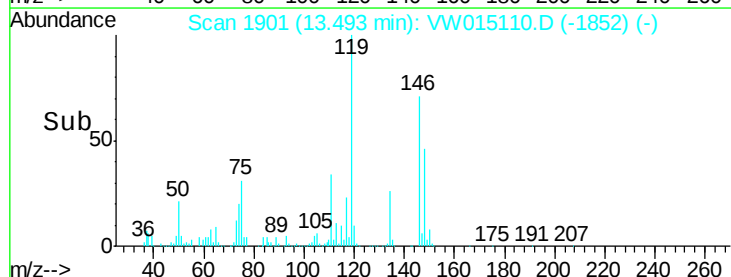
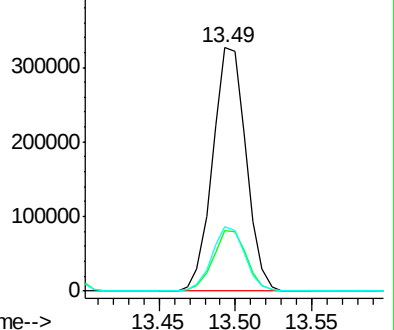
91 26.3 12.9 38.6

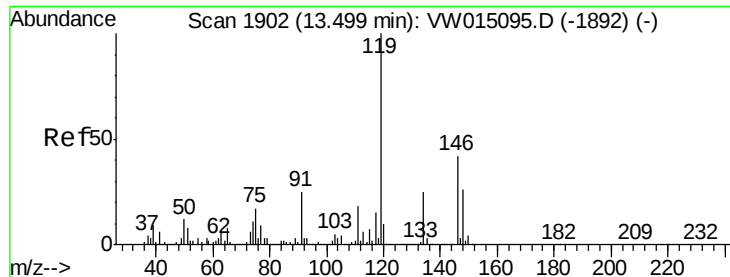


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.691 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

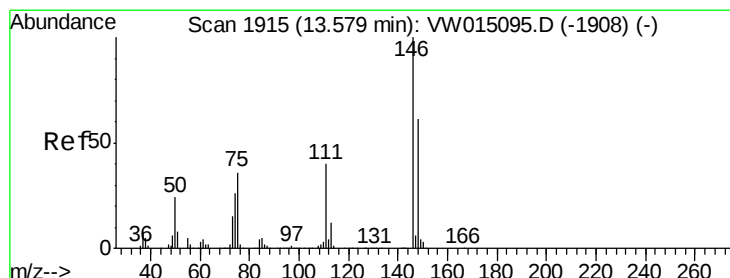
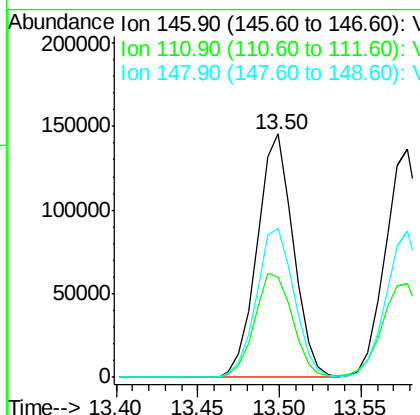
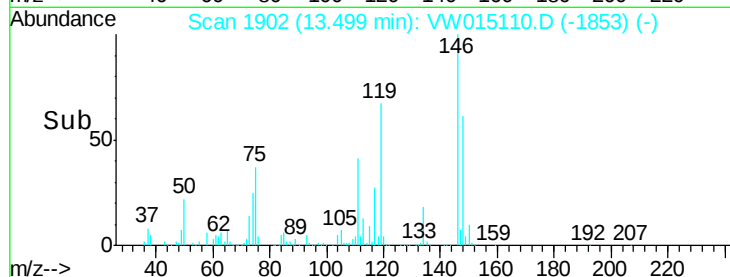
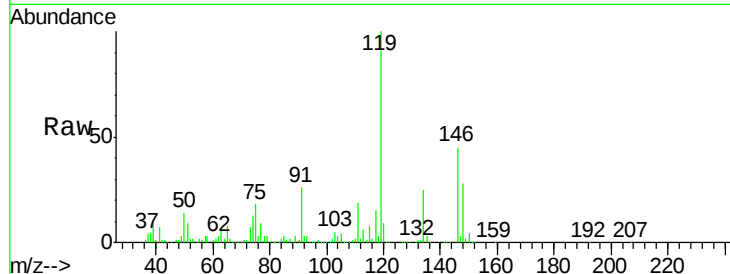
ClientSampleId :

VW0310SBS01

Tot Ion:	146	Resp:	223823
Ion Ratio	Lower	Upper	
146	100		
111	44.8	22.5	67.5
148	63.9	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 20.725 ug/l

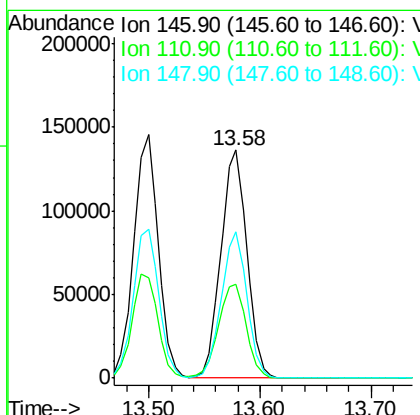
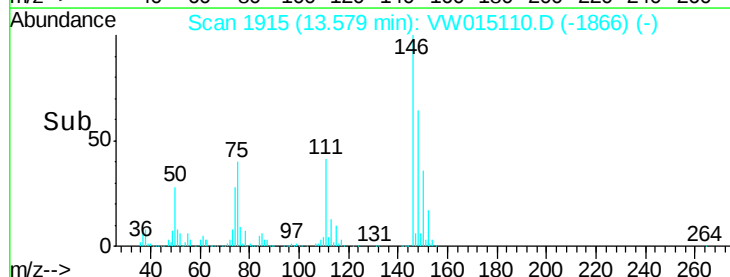
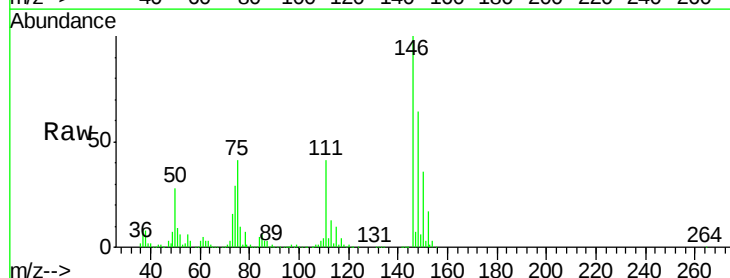
RT: 13.58 min Scan# 1915

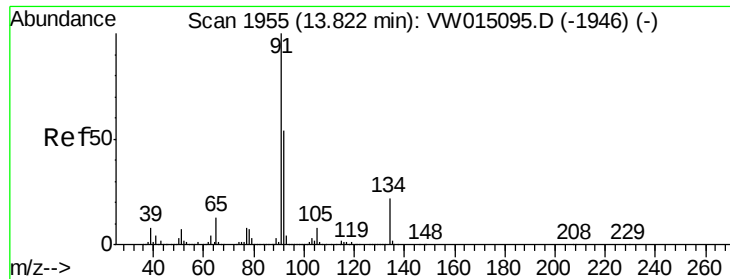
Delta R.T. -0.00 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Tgt Ion:	146	Resp:	220752
Ion Ratio	Lower	Upper	
146	100		
111	44.0	21.3	63.9
148	63.0	31.6	94.8





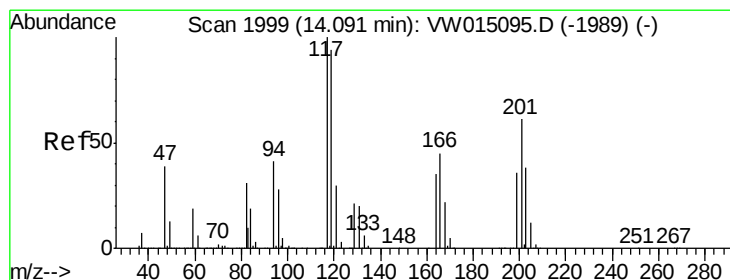
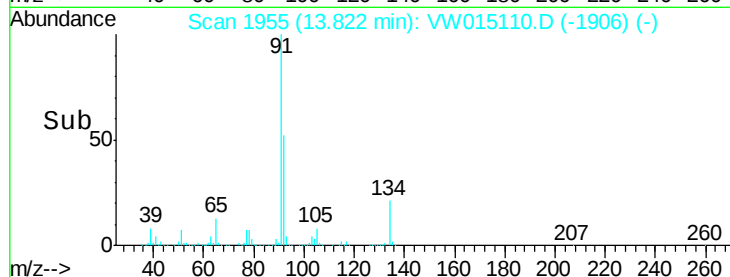
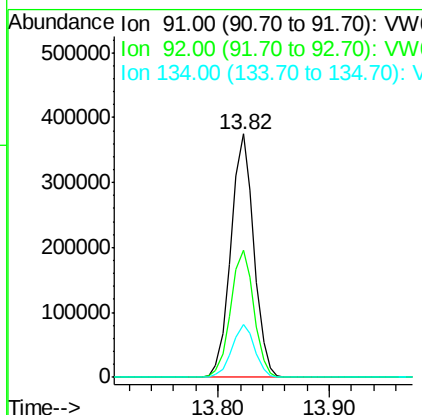
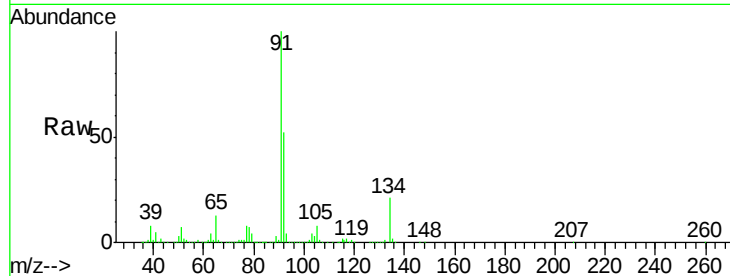
#89
n-Butylbenzene
Concen: 21.141 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	21.5	10.8	32.4

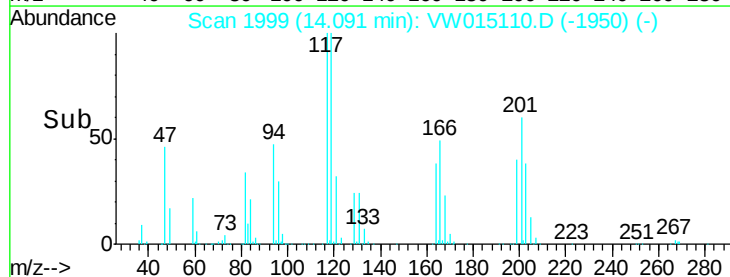
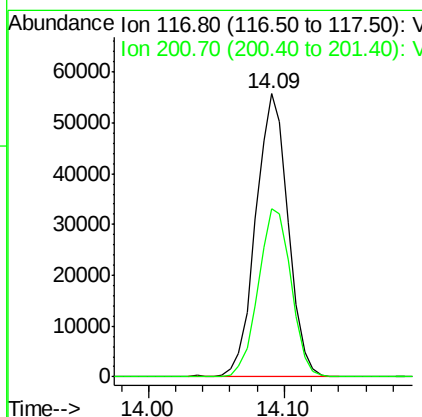
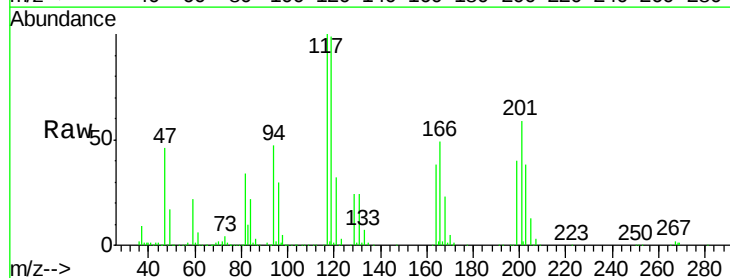
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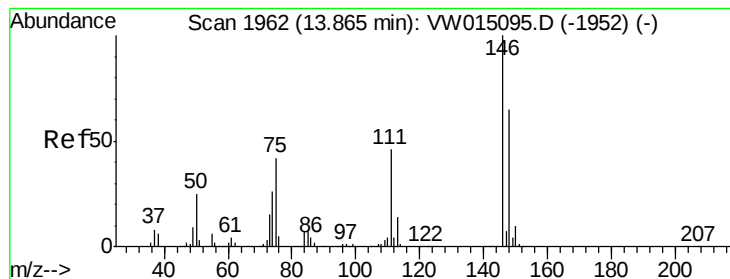
MMDadoda
3/11/2020 3:22:11 PM



#90
Hexachloroethane
Concen: 19.865 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.0	30.3	90.9





#91

1,2-Dichlorobenzene

Concen: 20.533 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW015110.D

Acq: 10 Mar 2020 13:43

Instrument :

MSVOA_W

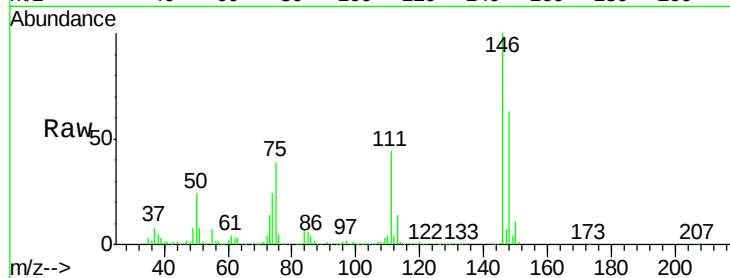
ClientSampleId :

VW0310SBSD01

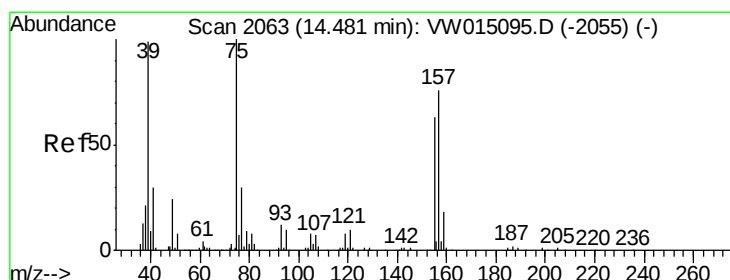
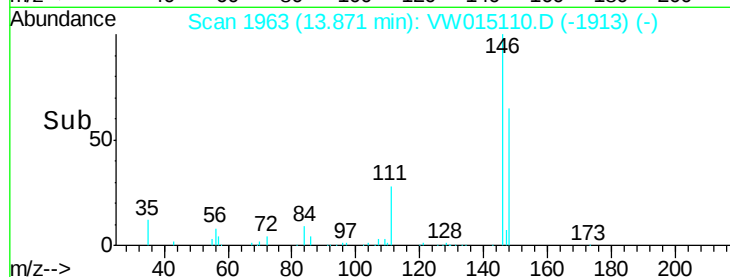
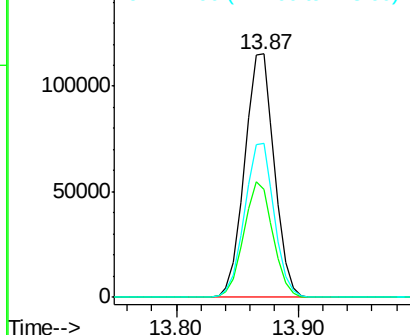
Tot Ion:	146	Resp:	194527
Ion Ratio	Lower	Upper	
146	100		
111	46.6	23.1	69.2
148	63.1	32.3	96.9

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.640 ug/l

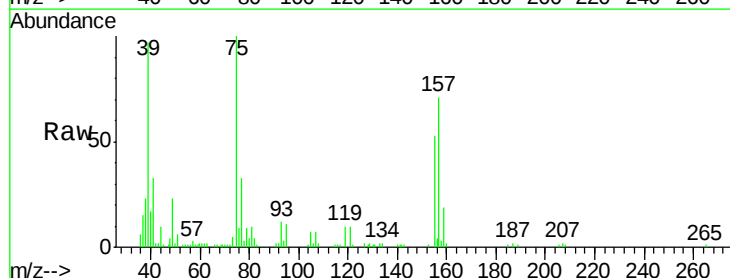
RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

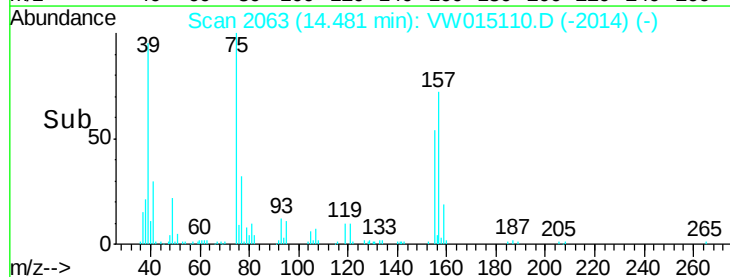
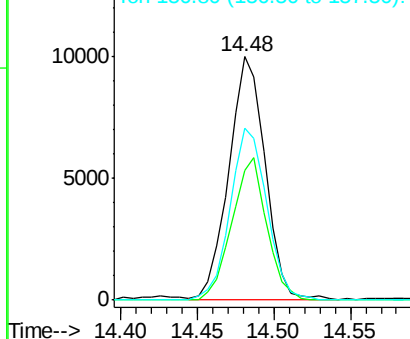
Lab File: VW015110.D

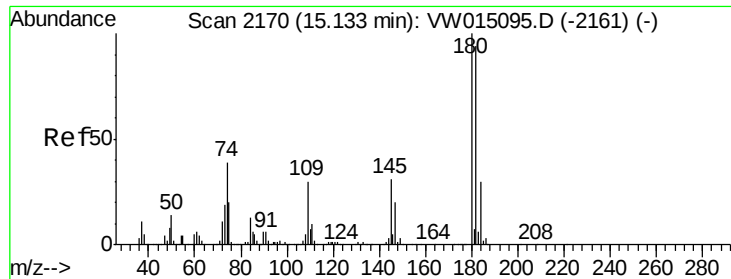
Acq: 10 Mar 2020 13:43

Tgt Ion:	75	Resp:	16542
Ion Ratio	Lower	Upper	
75	100		
155	55.8	32.1	96.3
157	71.3	39.6	118.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





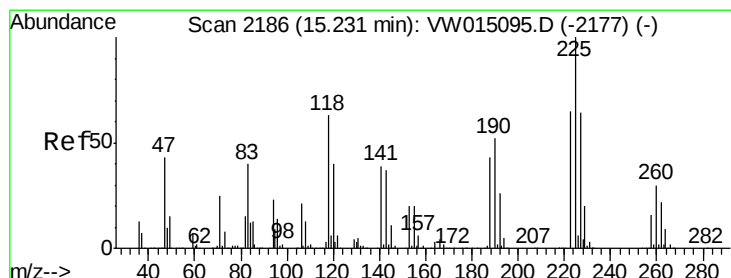
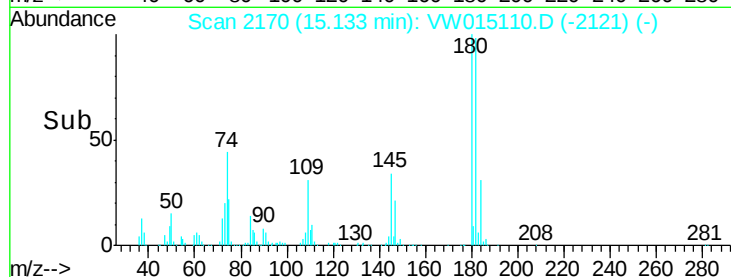
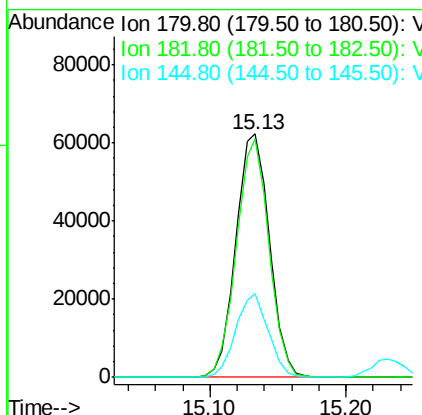
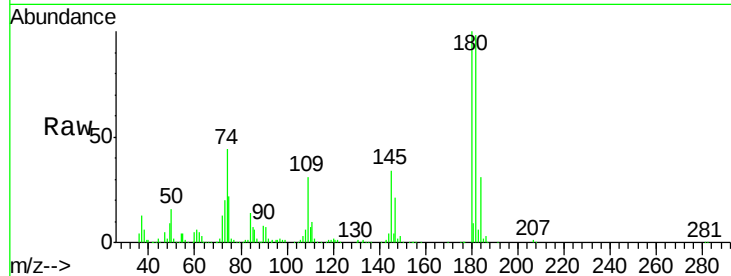
#93
 1,2,4-Trichlorobenzene
 Concen: 19.817 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107437		
182	94.7	47.6	142.9	
145	33.2	16.2	48.5	

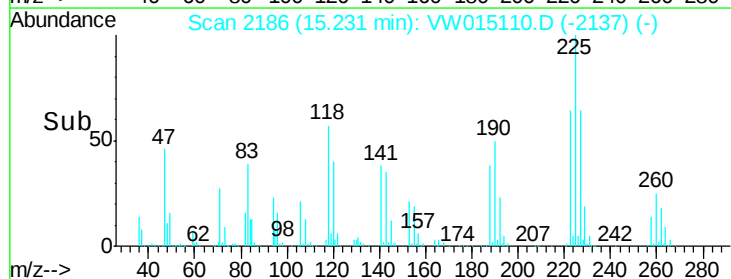
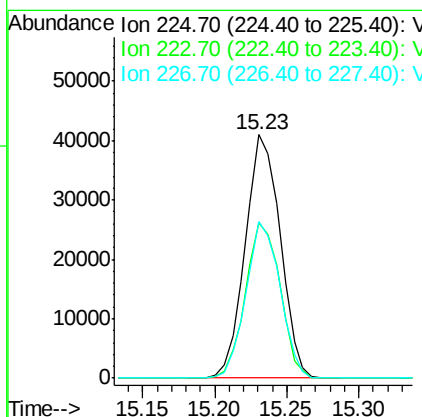
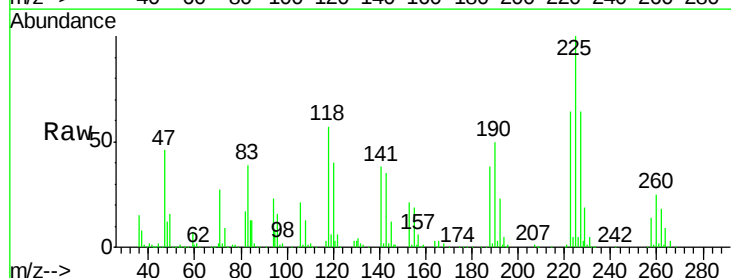
Manual Integrations
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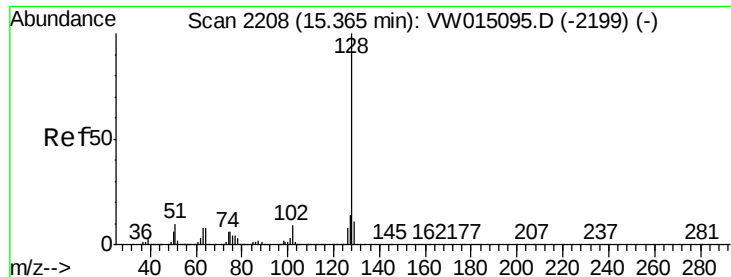
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#94
 Hexachlorobutadiene
 Concen: 20.266 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW015110.D
 Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68982		
223	63.2	32.5	97.4	
227	62.4	33.0	99.0	





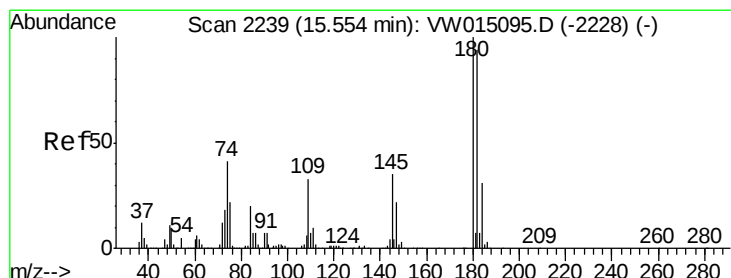
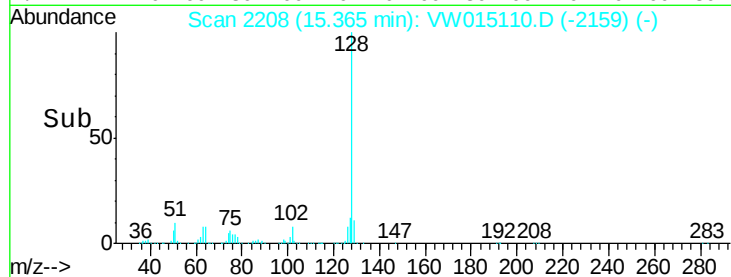
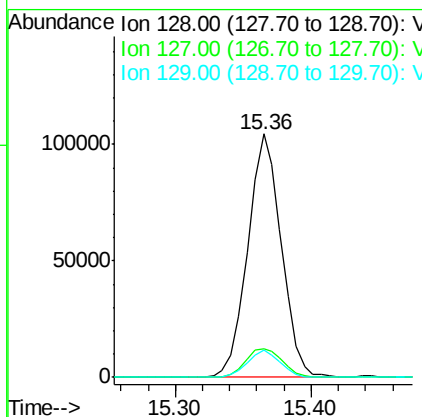
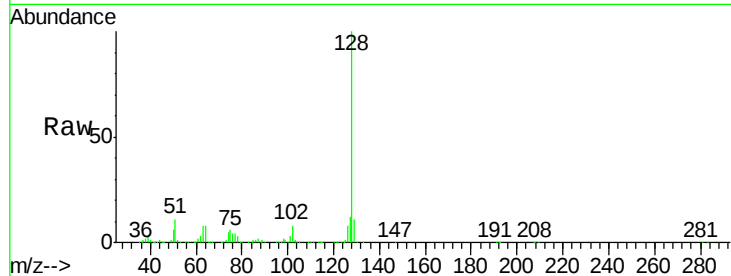
#95
Naphthalene
Concen: 17.375 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :
VW0310SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	180305		
127	13.3		10.7	16.1
129	10.9		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.884 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015110.D
Acq: 10 Mar 2020 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90805		
182	94.8		47.9	143.7
145	35.7		17.5	52.6

