

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015097.D
 Acq On : 09 Mar 2020 12:47
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:02 PM

Quant Time: Mar 09 18:48:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:33:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	494354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	923897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	837107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	375468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	991281	136.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	272.74%	
35) Dibromofluoromethane	7.88	113	763619	138.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.10%	
50) Toluene-d8	10.32	98	3289271	142.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.00%	
62) 4-Bromofluorobenzene	12.62	95	1150695	149.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	490933	163.775	ug/l	99
3) Chloromethane	2.21	50	891504	138.590	ug/l	98
4) Vinyl Chloride	2.36	62	1127277	133.858	ug/l	100
5) Bromomethane	2.75	94	690056	143.349	ug/l	99
6) Chloroethane	2.92	64	687418	140.927	ug/l	96
7) Trichlorofluoromethane	3.25	101	598639	142.050	ug/l	99
8) Diethyl Ether	3.68	74	473217	147.365	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	861698	134.130	ug/l	99
10) Methyl Iodide	4.27	142	1021863	142.976	ug/l	99
11) Tert butyl alcohol	5.17	59	299883	717.857	ug/l	98
12) 1,1-Dichloroethene	4.04	96	908097	144.575	ug/l	95
13) Acrolein	3.89	56	403519	660.469	ug/l	98
14) Allyl chloride	4.66	41	1907233	151.519	ug/l	99
15) Acrylonitrile	5.36	53	1225873	744.749	ug/l	99
16) Acetone	4.11	43	1158517	698.854	ug/l	96
17) Carbon Disulfide	4.38	76	3108677	139.593	ug/l	99
18) Methyl Acetate	4.66	43	564794	143.726	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	1177327	146.421	ug/l	99
20) Methylene Chloride	4.91	84	958928	124.952	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	951681	142.706	ug/l	98
22) Diisopropyl ether	6.31	45	3612761	149.583	ug/l	97
23) Vinyl Acetate	6.25	43	11351952	796.207	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1978236	140.456	ug/l	99
25) 2-Butanone	7.17	43	1732013	762.137	ug/l	98
26) 2,2-Dichloropropane	7.16	77	1040831	129.210	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	1011111	145.634	ug/l	100
28) Bromochloromethane	7.51	49	922122	136.637	ug/l	99
29) Tetrahydrofuran	7.52	42	1126484	792.467	ug/l	100
30) Chloroform	7.67	83	1709109	136.742	ug/l	99
31) Cyclohexane	7.95	56	1997658	137.906	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	1347053	138.028	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1498070	139.819	ug/l	100
37) Ethyl Acetate	7.24	43	778696	145.824	ug/l	99
38) Carbon Tetrachloride	8.07	117	1198885	137.455	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1875027	153.053	ug/l	98
40) Benzene	8.32	78	4070355	136.703	ug/l	100
41) Methacrylonitrile	7.48	41	443224	156.943	ug/l	97
42) 1,2-Dichloroethane	8.40	62	1236841	136.346	ug/l	100
43) Isopropyl Acetate	8.42	43	1469712	153.523	ug/l	99
44) Trichloroethene	9.09	130	886238	139.828	ug/l	98
45) 1,2-Dichloropropane	9.37	63	1115140	139.069	ug/l	99
46) Dibromomethane	9.46	93	480655	137.855	ug/l	99
47) Bromodichloromethane	9.64	83	1312673	141.014	ug/l	100
48) Methyl methacrylate	9.43	41	760722	172.177	ug/l	94
49) 1,4-Dioxane	9.44	88	158638	2971.736	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	3836094	725.468	ug/l	99
52) Toluene	10.38	92	2449099	143.181	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	1415861	154.606	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	1676894	150.314	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	662200	138.606	ug/l	99
56) Ethyl methacrylate	10.64	69	1044033	169.359	ug/l	97
57) 1,3-Dichloropropane	10.93	76	1314082	144.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	2768448	765.388	ug/l	100
59) 2-Hexanone	10.96	43	2685157	812.985	ug/l	99
60) Dibromochloromethane	11.12	129	717796	145.469	ug/l	98
61) 1,2-Dibromoethane	11.23	107	612512	144.615	ug/l	99
64) Tetrachloroethene	10.86	164	662165	137.069	ug/l	96
65) Chlorobenzene	11.65	112	2347334	139.704	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	801484	143.246	ug/l	100
67) Ethyl Benzene	11.73	91	4864527	148.780	ug/l	98
68) m/p-Xylenes	11.84	106	3450761	298.544	ug/l	96
69) o-Xylene	12.16	106	1625993	156.164	ug/l	99
70) Styrene	12.18	104	2798250	156.846	ug/l	100
71) Bromoform	12.35	173	373131	150.270	ug/l #	99
73) Isopropylbenzene	12.46	105	4472287	155.930	ug/l	99
74) N-amyl acetate	12.27	43	1468826	173.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	835496	143.456	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	646335m	92.886	ug/l	
77) Bromobenzene	12.74	156	825608	145.637	ug/l	96
78) n-propylbenzene	12.80	91	5697825	152.862	ug/l	99
79) 2-Chlorotoluene	12.89	91	3172091	151.363	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3782369	153.376	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	302704	161.118	ug/l	97
82) 4-Chlorotoluene	12.99	91	3324313	148.952	ug/l	100
83) tert-Butylbenzene	13.20	119	3175002	158.923	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	3800572	154.130	ug/l	99
85) sec-Butylbenzene	13.38	105	4677737	154.711	ug/l	100
86) p-Isopropyltoluene	13.49	119	4085628	157.204	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	1730097	144.038	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1687233	142.658	ug/l	99
89) n-Butylbenzene	13.82	91	4418188	157.634	ug/l	99
90) Hexachloroethane	14.09	117	782575	150.142	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1524887	144.953	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	140956	150.717	ug/l	98

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ClientSampleId :
VSTDICC150

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	979242	162.666	ug/l	100
94) Hexachlorobutadiene	15.23	225	537527	142.217	ug/l	97
95) Naphthalene	15.36	128	2038432	181.344	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	849380	159.076	ug/l	99

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

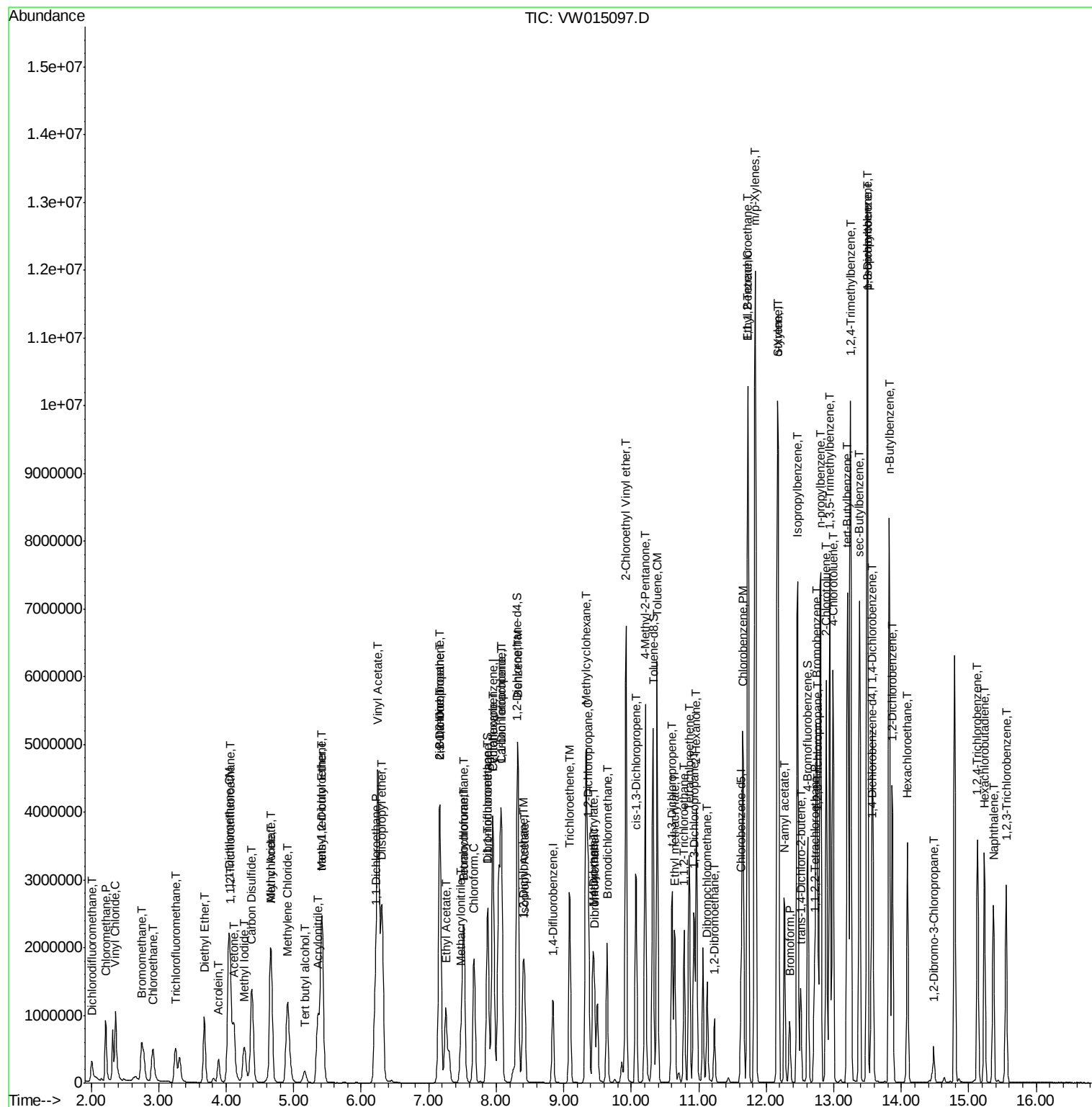
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030920\
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Operator : SY/VA
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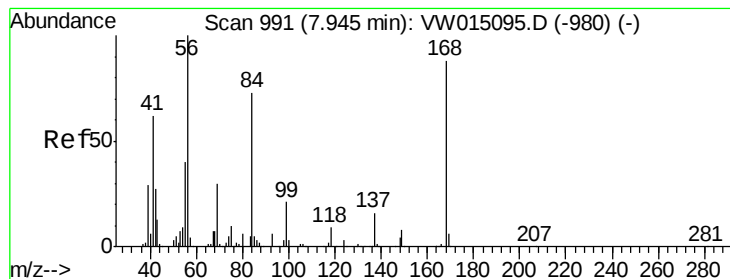
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 494354

Ion Ratio Lower Upper

168 100

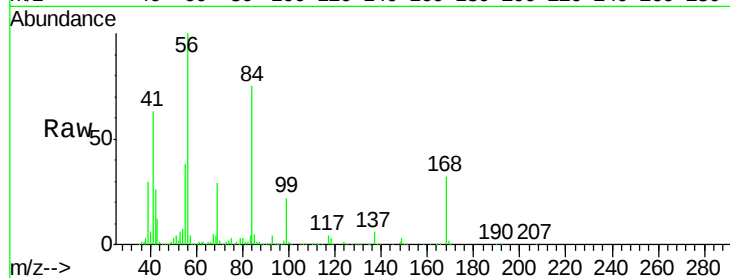
99 69.9 57.2 85.8

Manual Integrations

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3/11/2020 3:24:02 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

400000

300000

200000

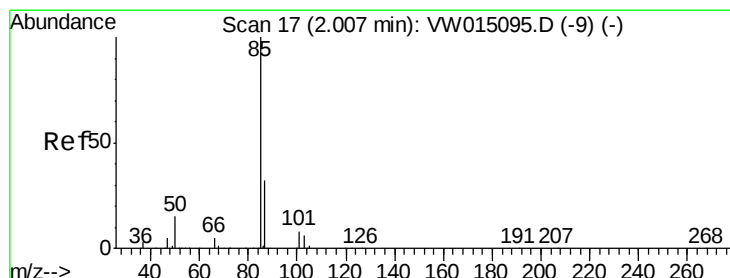
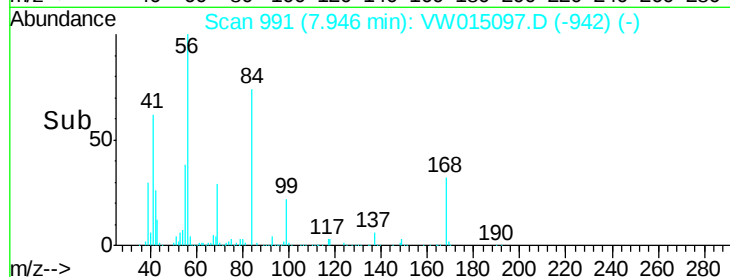
100000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 163.775 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015097.D

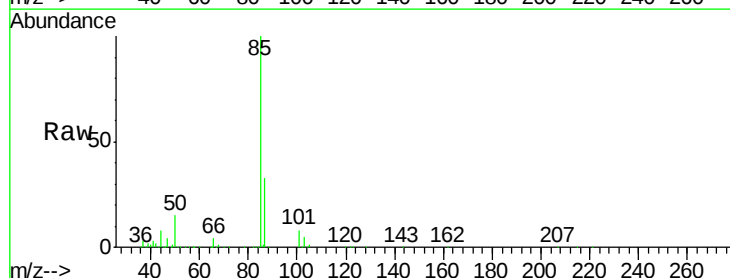
Acq: 09 Mar 2020 12:47

Tgt Ion: 85 Resp: 490933

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

200000

150000

100000

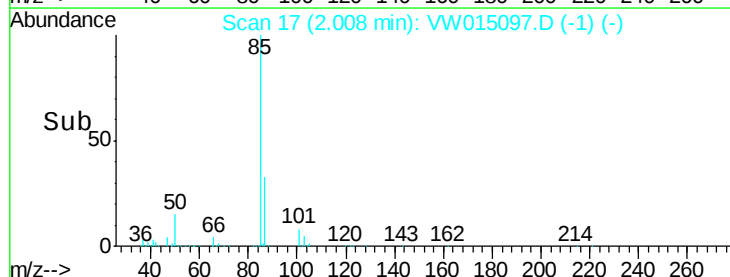
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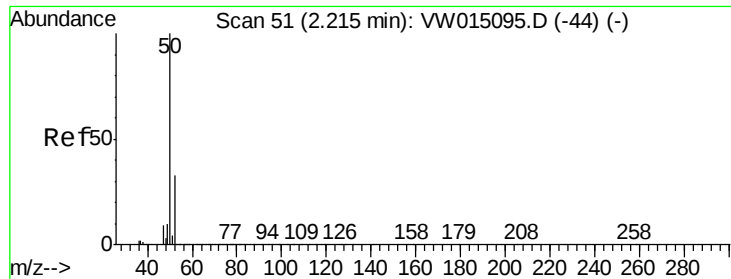
0

2.00

2.20

Time-->





#3

Chloromethane

Concen: 138.590 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 891504

Ion Ratio Lower Upper

50 100

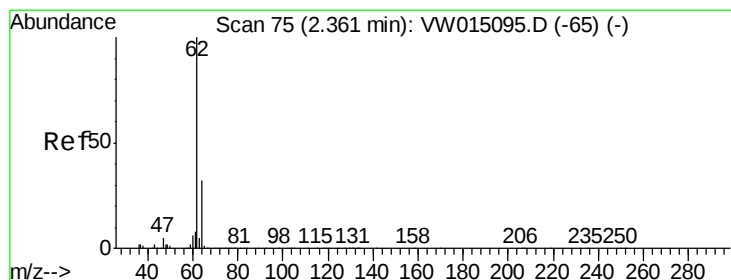
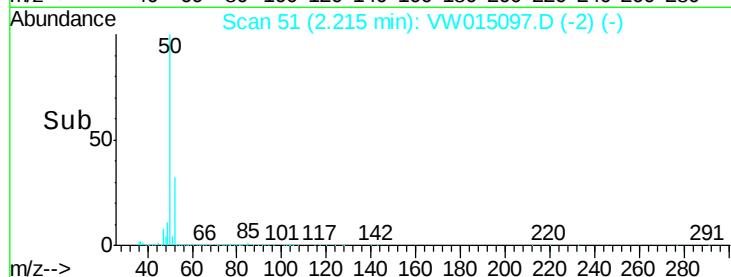
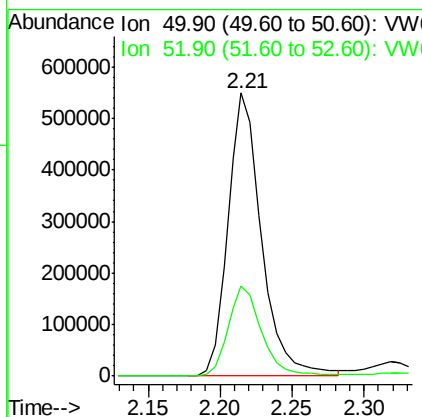
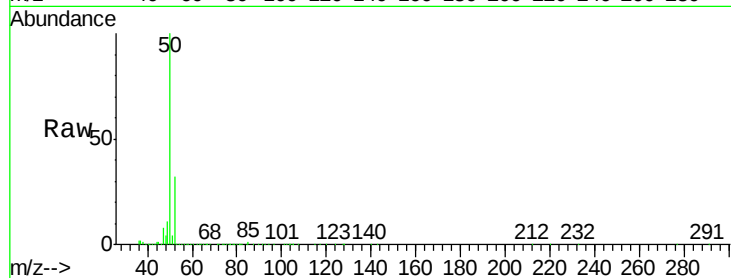
52 31.9 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 133.858 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015097.D

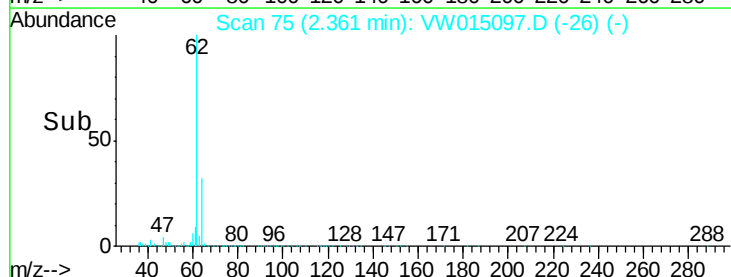
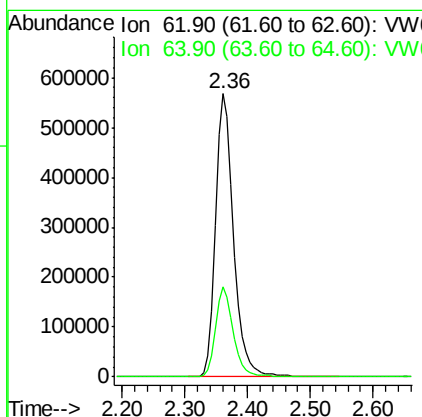
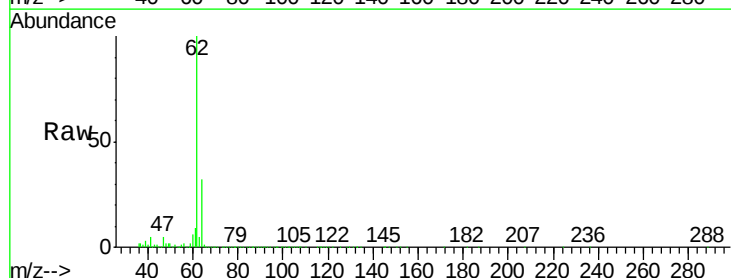
Acq: 09 Mar 2020 12:47

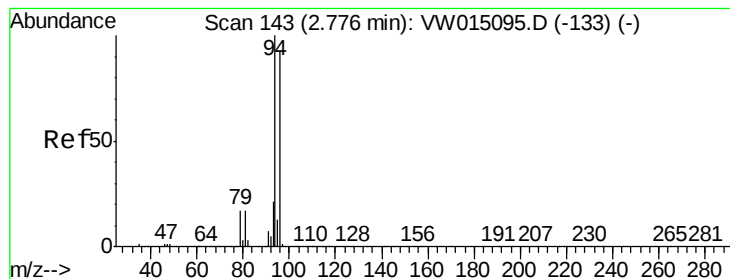
Tgt Ion: 62 Resp: 1127277

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 143.349 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 690056

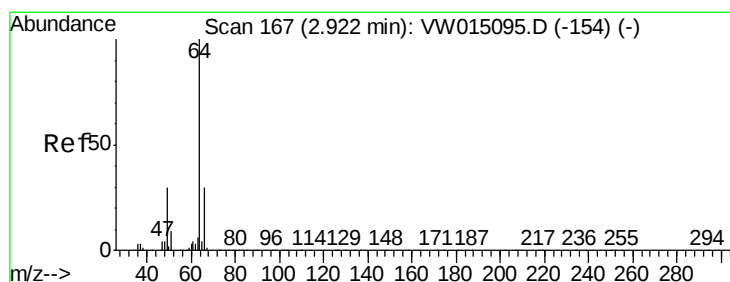
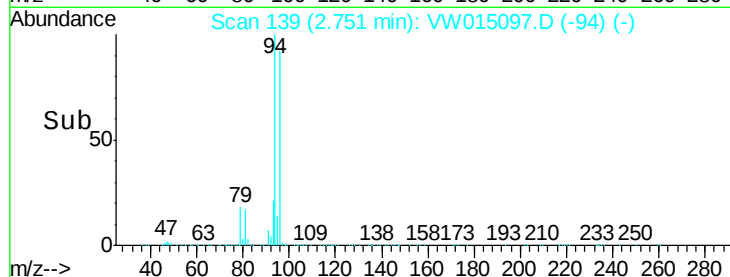
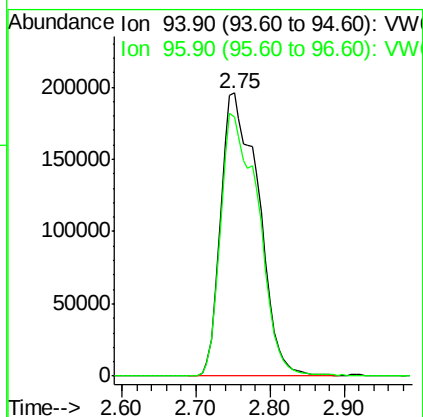
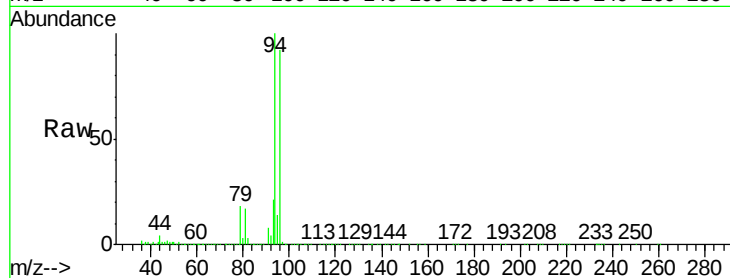
Ion Ratio Lower Upper

94 100

96 91.7 74.0 111.0

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#6

Chloroethane

Concen: 140.927 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015097.D

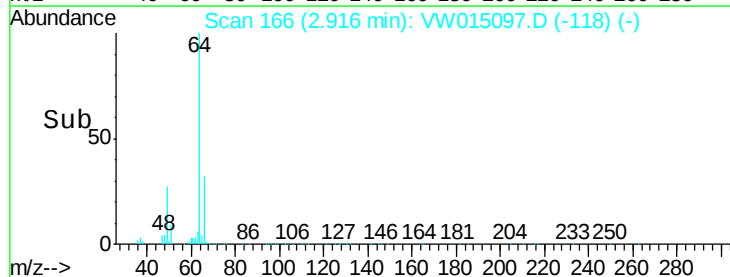
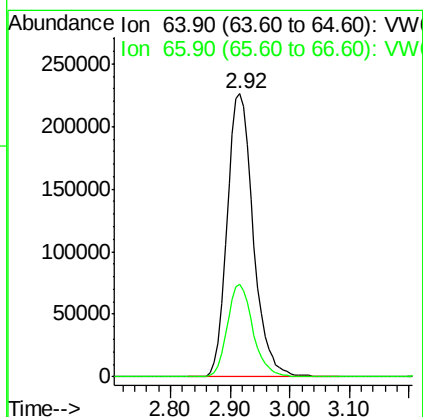
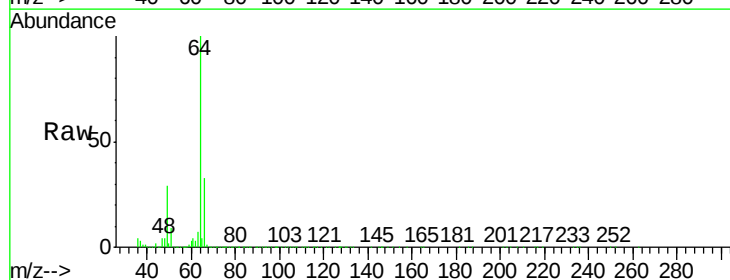
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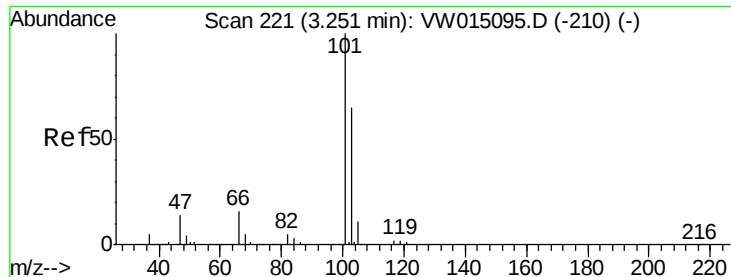
Tgt Ion: 64 Resp: 687418

Ion Ratio Lower Upper

64 100

66 32.5 24.2 36.2





#7

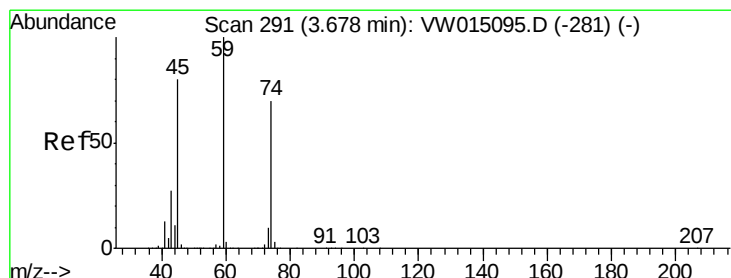
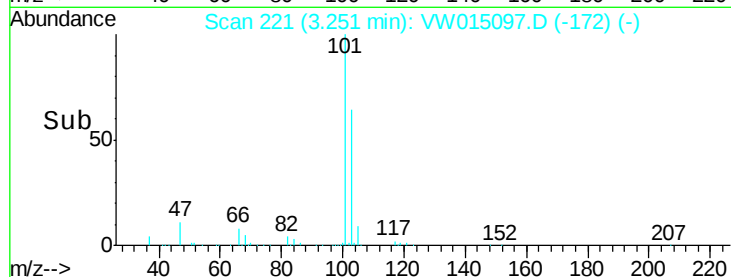
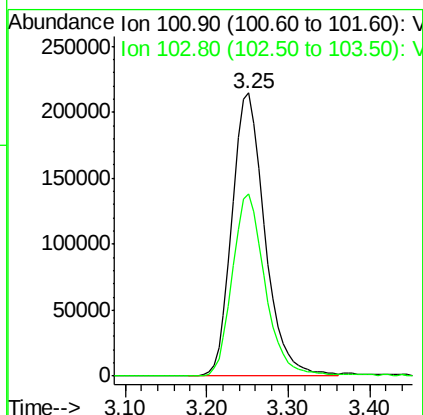
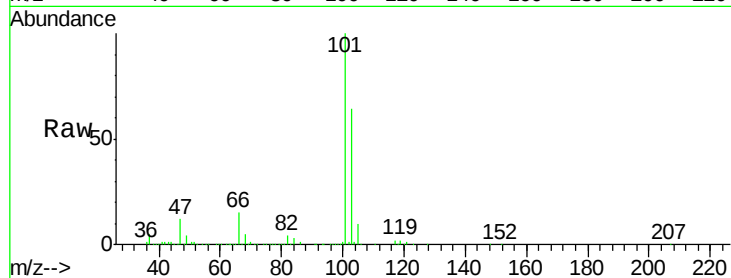
Trichlorofluoromethane
 Concen: 142.050 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	598639		
103	64.1	51.8	77.6	

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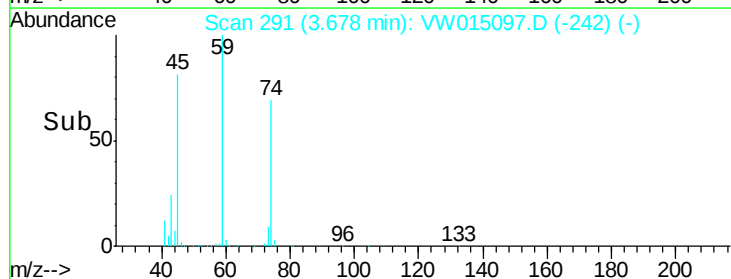
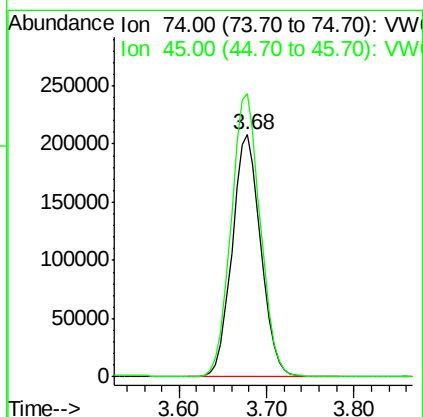
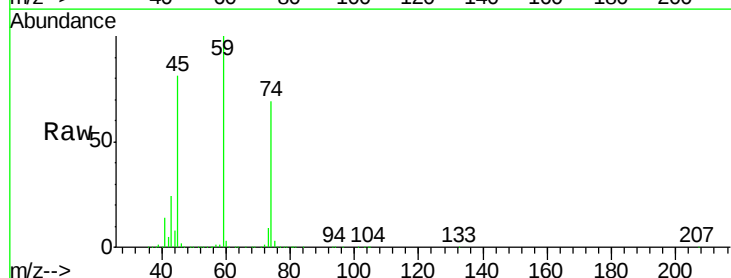
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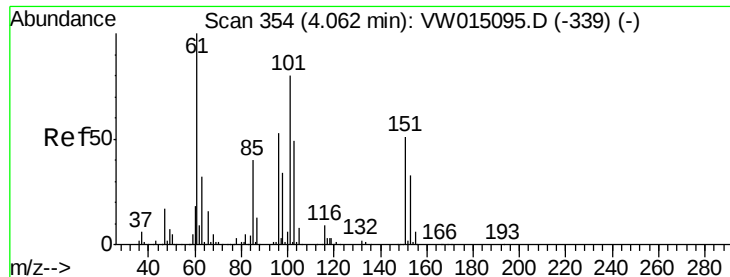


#8

Diethyl Ether
 Concen: 147.365 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW015097.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	473217		
45	118.7	59.2	177.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.130 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

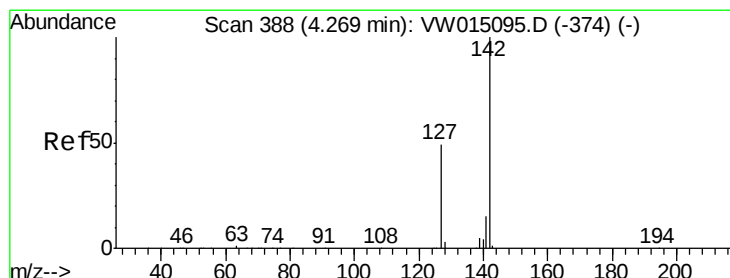
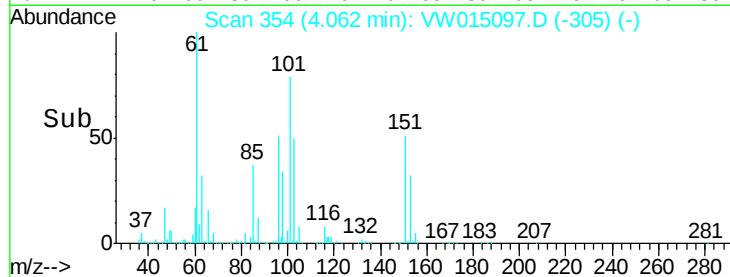
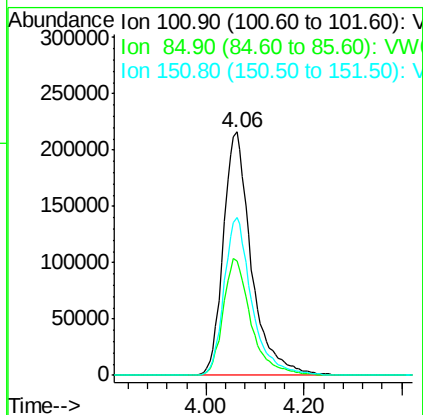
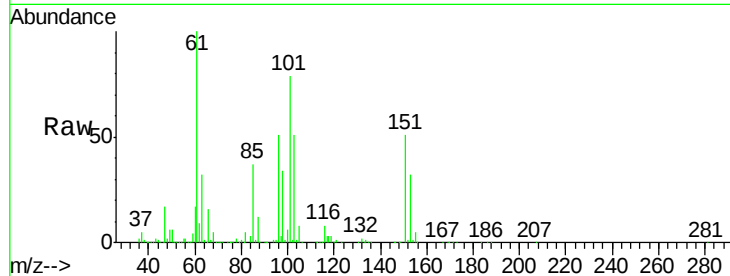
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	861698
Ion Ratio	Lower	Upper	
101	100		
85	47.6	39.0	58.4
151	64.2	50.8	76.2

Manual Integrations
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#10

Methyl Iodide

Concen: 142.976 ug/l

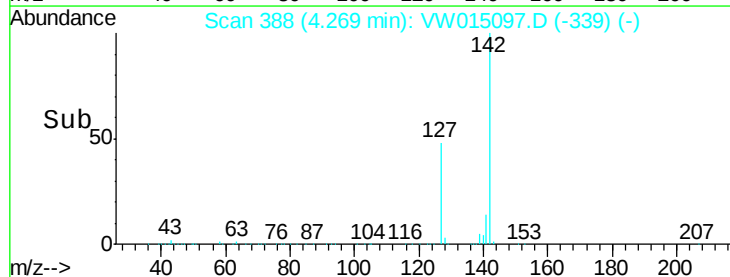
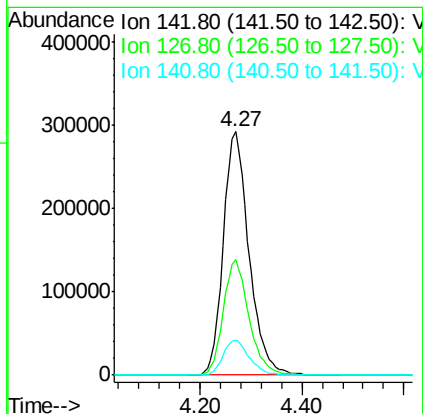
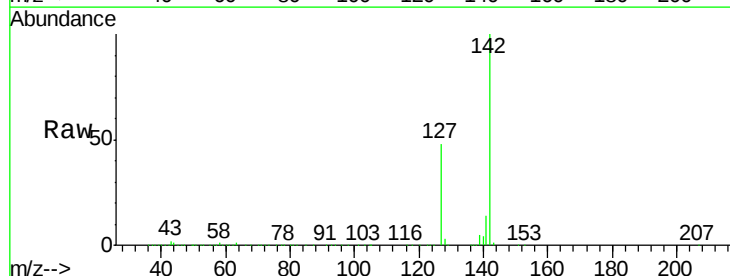
RT: 4.27 min Scan# 388

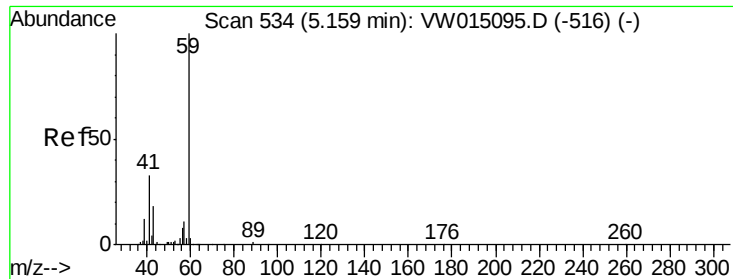
Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Tgt Ion:	142	Resp:	1021863
Ion Ratio	Lower	Upper	
142	100		
127	47.4	38.2	57.4
141	14.7	12.0	18.0





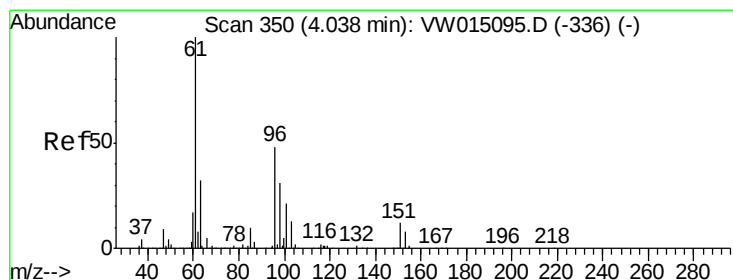
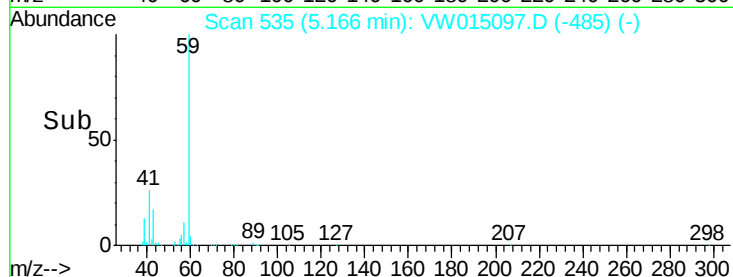
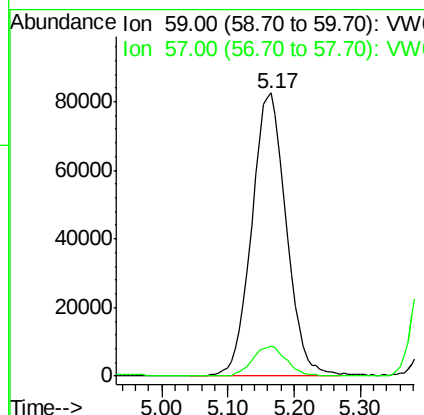
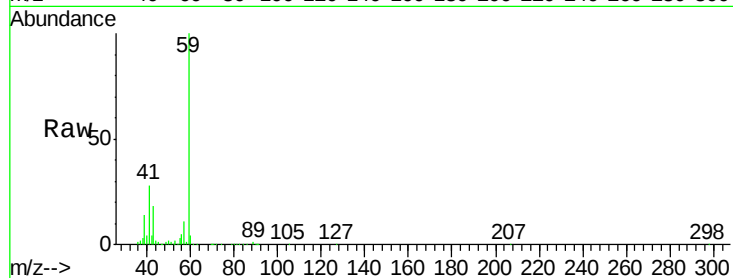
#11
Tert butyl alcohol
Concen: 717.857 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.1	13.7

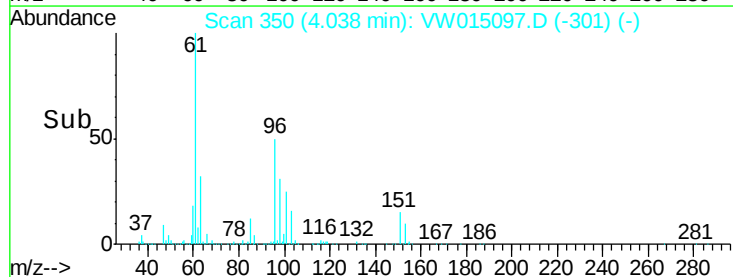
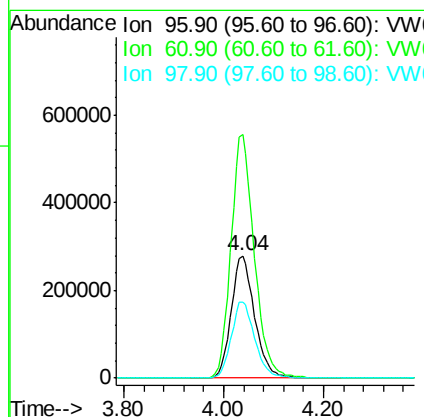
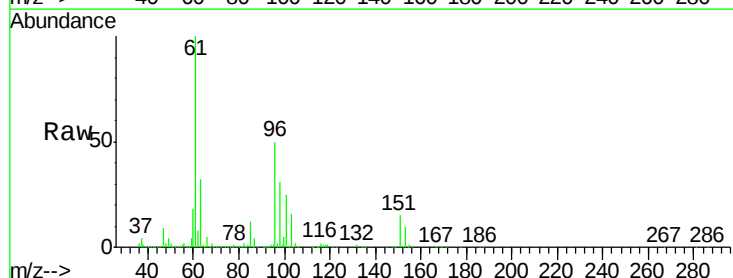
Manual Integrations
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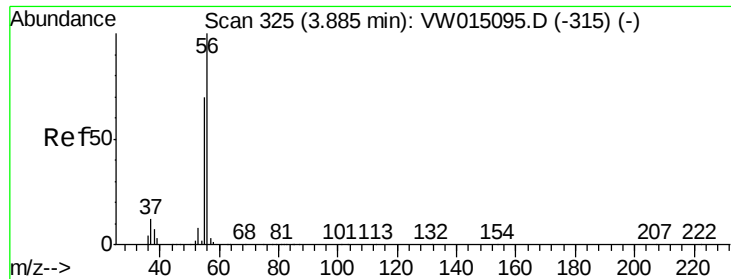
MMDadoda
3/11/2020 3:24:02 PM



#12
1,1-Dichloroethene
Concen: 144.575 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.6	165.5	248.3
98	61.7	51.1	76.7





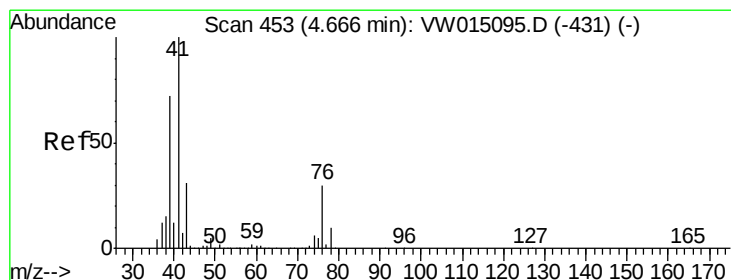
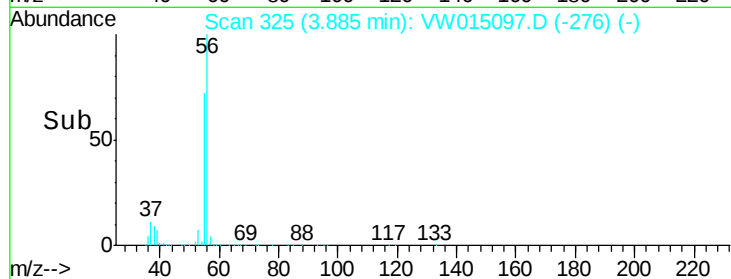
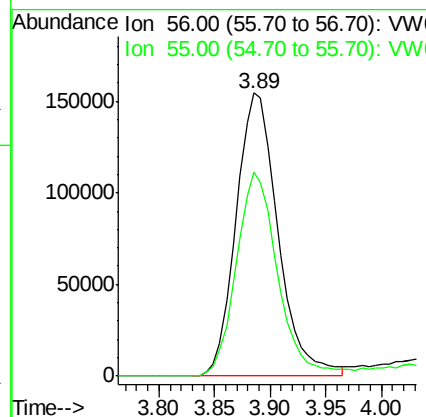
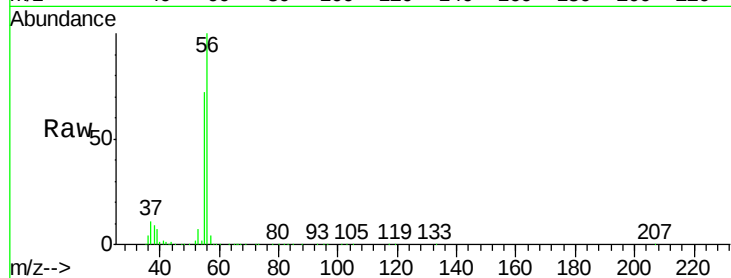
#13
Acrolein
Concen: 660.469 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.0	55.4	83.2

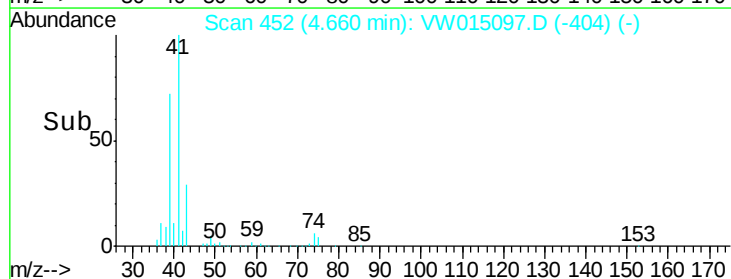
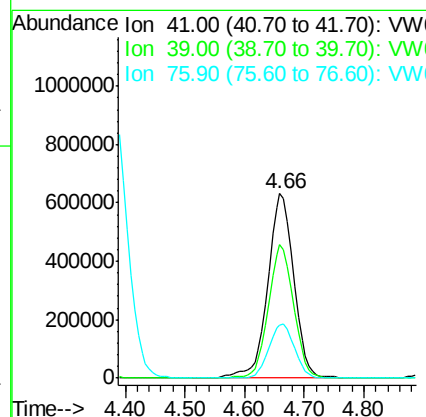
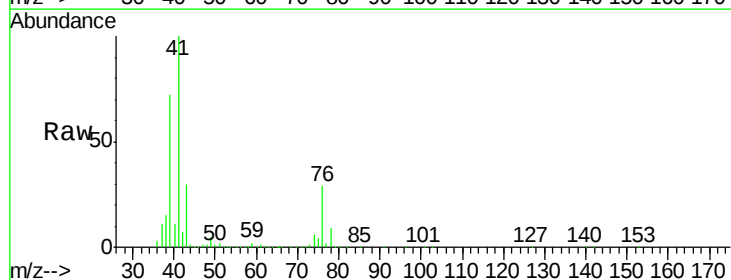
Manual Integrations
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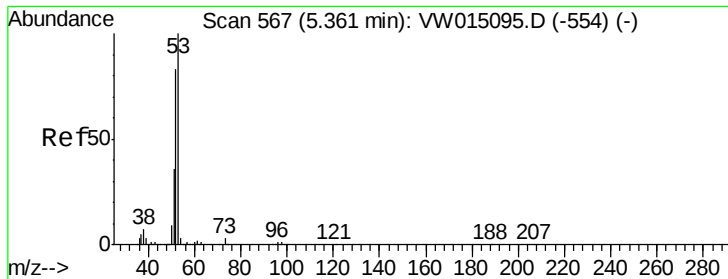
MMDadoda
3/11/2020 3:24:02 PM



#14
Allyl chloride
Concen: 151.519 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	70.1	56.9	85.3
76	76	28.9	23.2	34.8





#15

Acrylonitrile

Concen: 744.749 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1225873

Ion Ratio Lower Upper

53 100

52 82.6 67.2 100.8

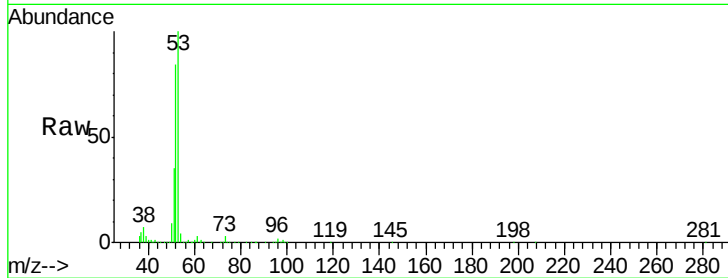
51 36.7 29.8 44.6

Manual Integrations

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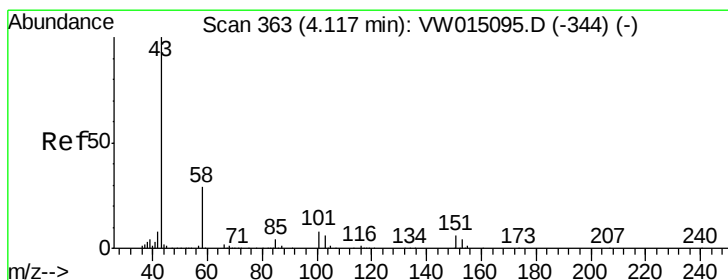
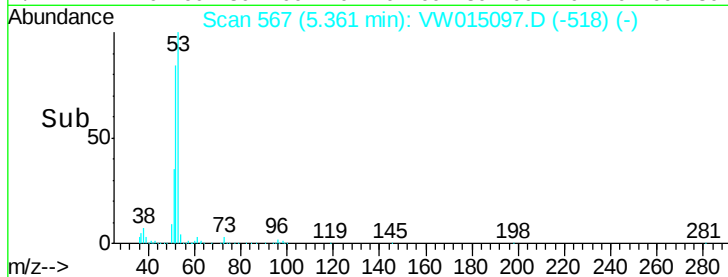
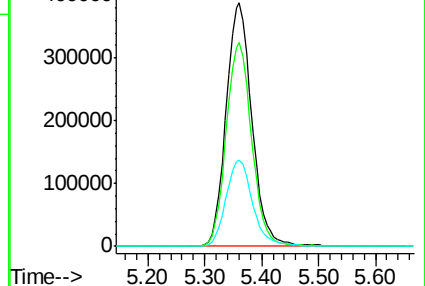
3/11/2020 3:24:02 PM



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 698.854 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW015097.D

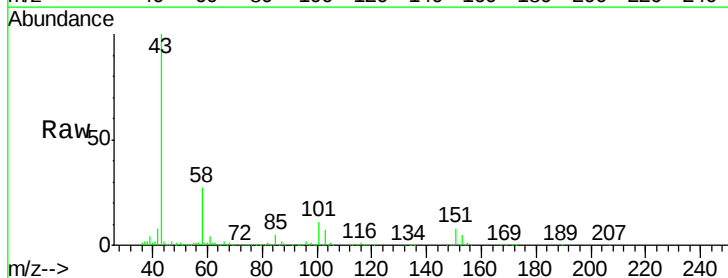
Acq: 09 Mar 2020 12:47

Tgt Ion: 43 Resp: 1158517

Ion Ratio Lower Upper

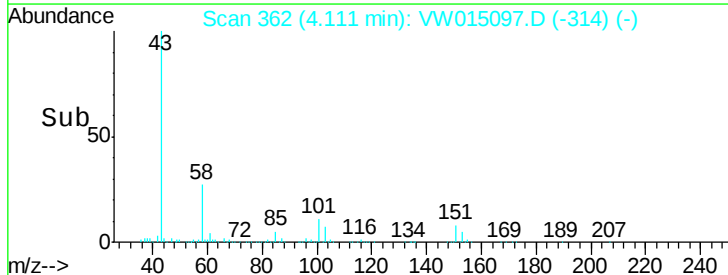
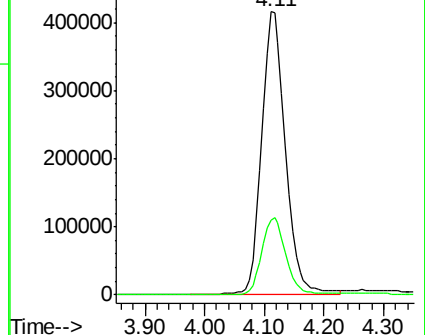
43 100

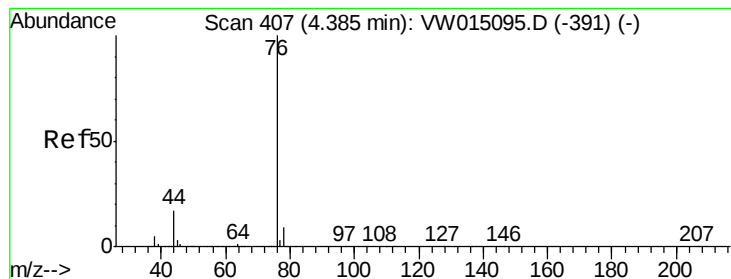
58 26.5 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 139.593 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Tot Ion: 76 Resp: 3108677

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3

Instrument :

MSVOA_W

ClientSampleId :

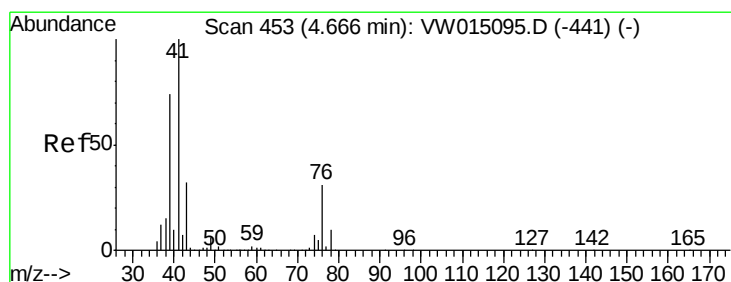
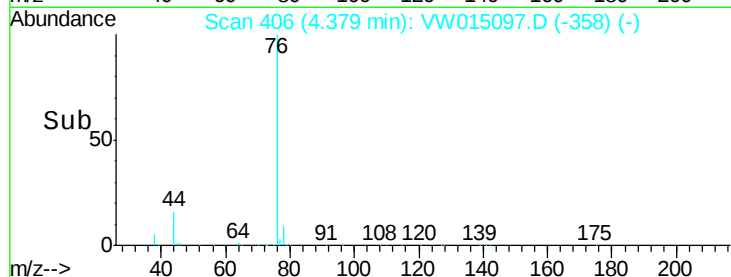
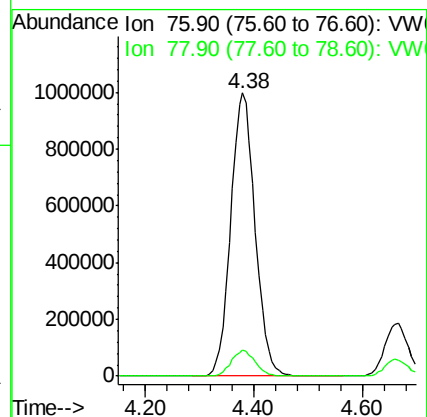
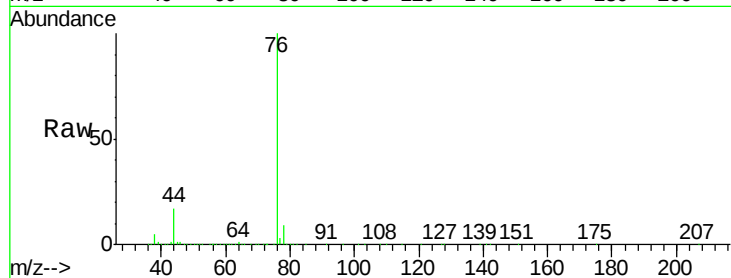
VSTDICC150

Manual Integrations

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#18

Methyl Acetate

Concen: 143.726 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015097.D

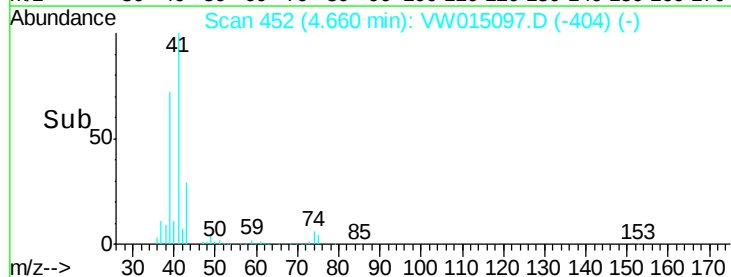
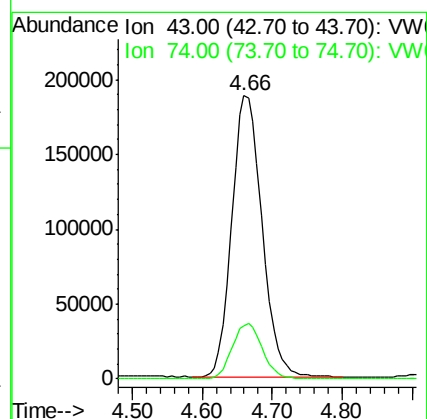
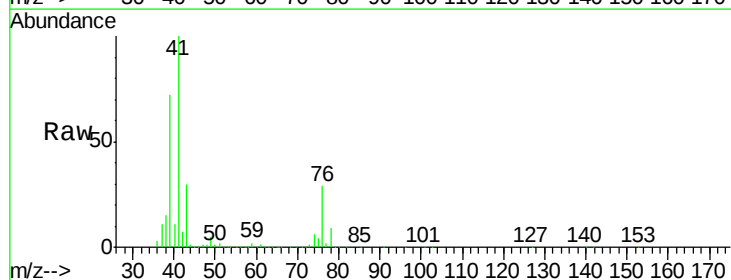
Acq: 09 Mar 2020 12:47

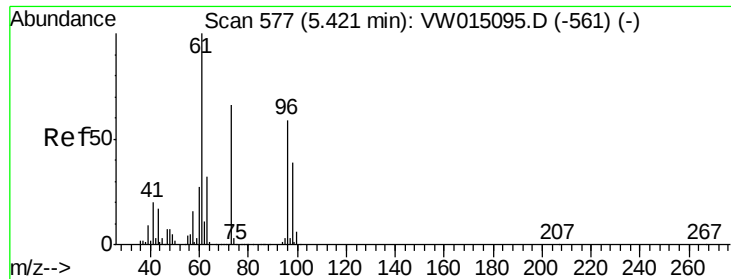
Tgt Ion: 43 Resp: 564794

Ion Ratio Lower Upper

43 100

74 19.8 15.8 23.6





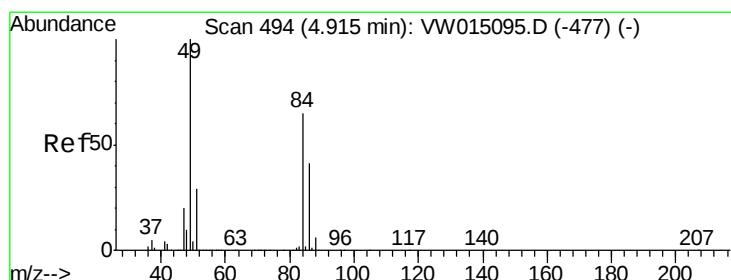
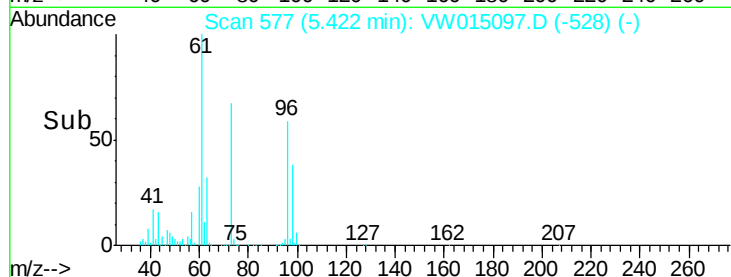
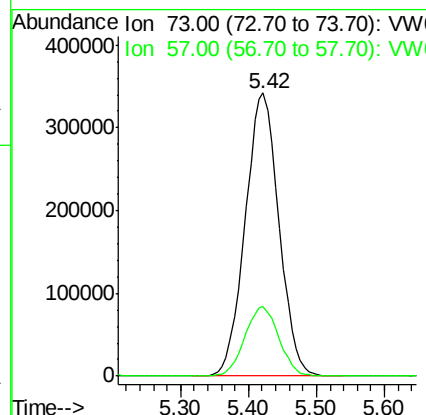
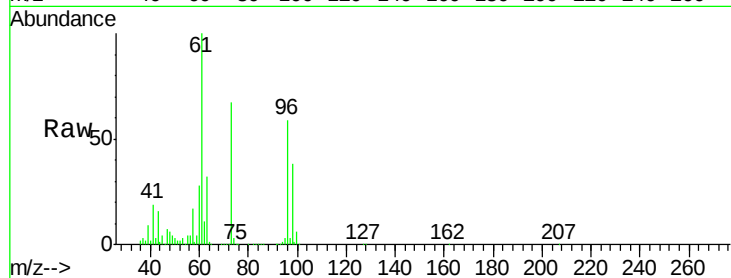
#19
Methyl tert-butyl Ether
Concen: 146.421 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1177327
Ion Ratio Lower Upper
73 100
57 24.8 19.3 28.9

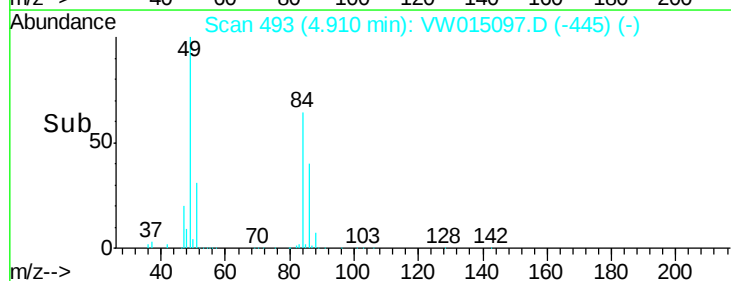
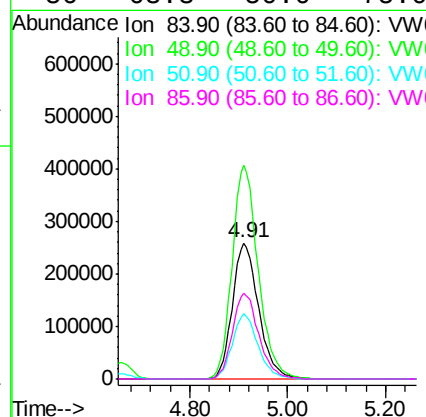
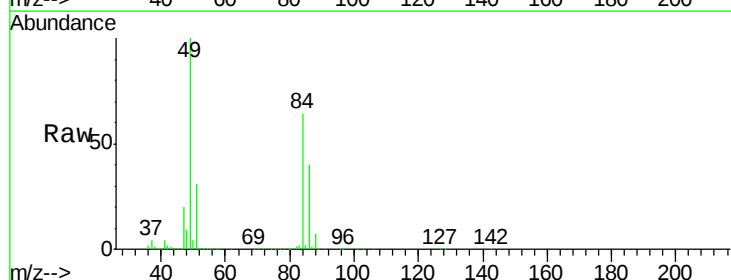
Manual Integrations
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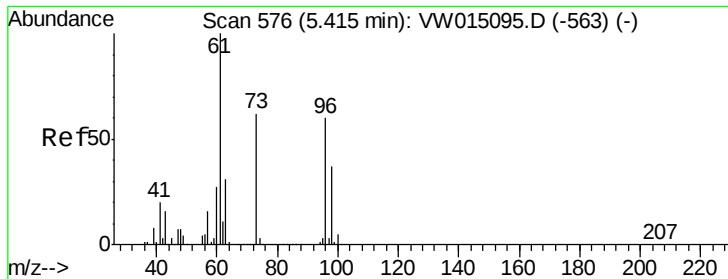
MMDadoda
3/11/2020 3:24:02 PM



#20
Methylene Chloride
Concen: 124.952 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion: 84 Resp: 958928
Ion Ratio Lower Upper
84 100
49 156.9 122.8 184.2
51 48.1 35.9 53.9
86 63.3 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 142.706 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 951681

Ion Ratio Lower Upper

96 100

61 169.8 132.5 198.7

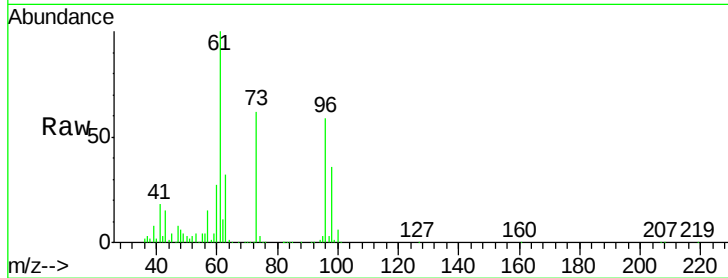
98 61.6 48.9 73.3

Manual Integrations

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MMDadoda

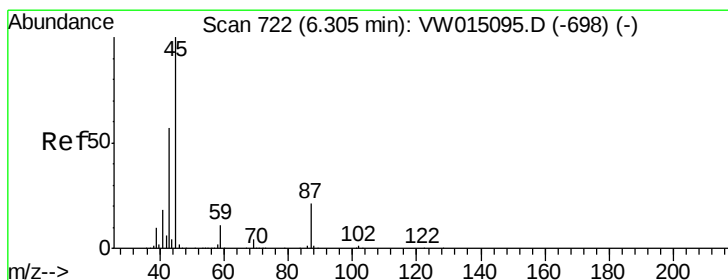
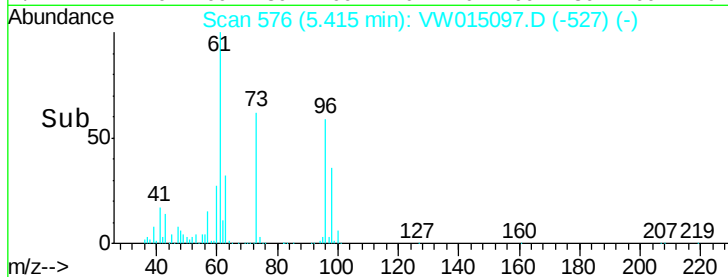
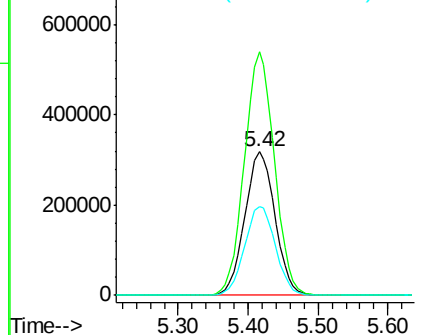
3/11/2020 3:24:02 PM



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 149.583 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Tgt Ion: 45 Resp: 3612761

Ion Ratio Lower Upper

45 100

43 53.6 45.4 68.0

87 20.6 16.4 24.6

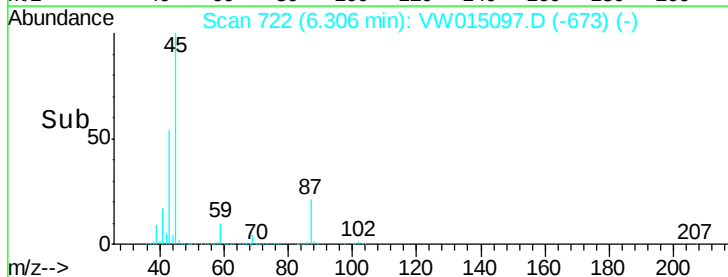
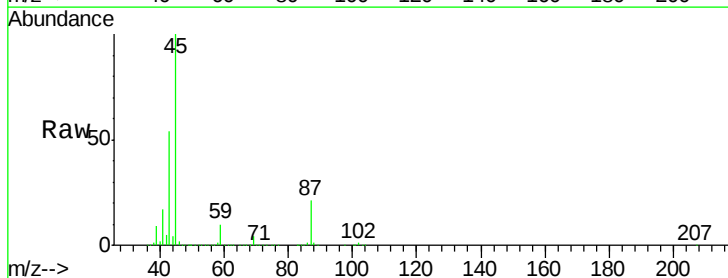
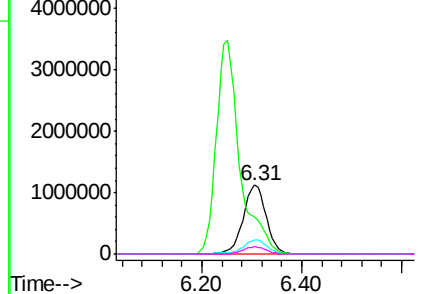
59 10.3 8.4 12.6

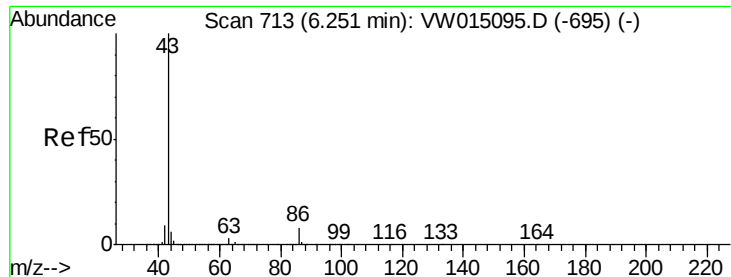
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 796.207 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Tot Ion: 43 Resp: 11351952

Ion Ratio Lower Upper

43 100

86 8.3 6.3 9.5

Instrument :

MSVOA_W

ClientSampleId :

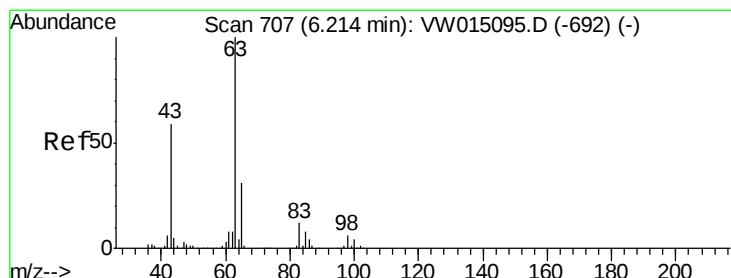
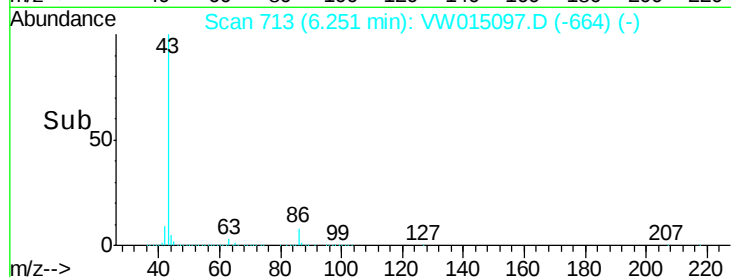
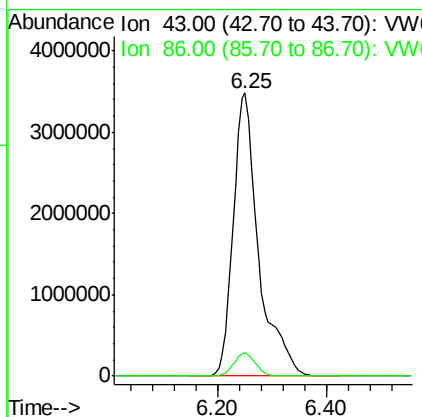
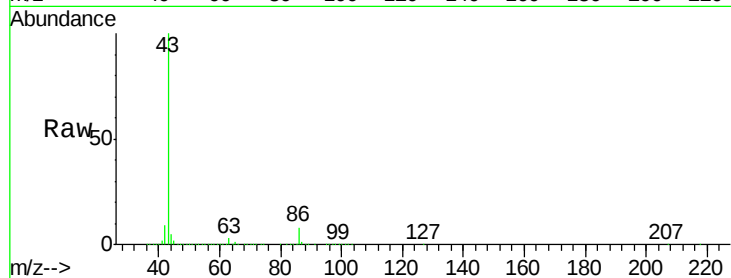
VSTDIC150

Manual Integrations

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MMDadoda

3/11/2020 3:24:02 PM



#24

1,1-Dichloroethane

Concen: 140.456 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

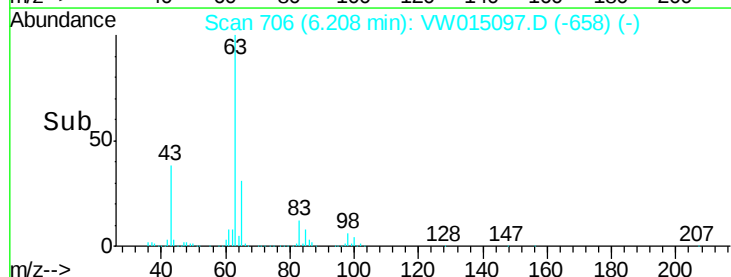
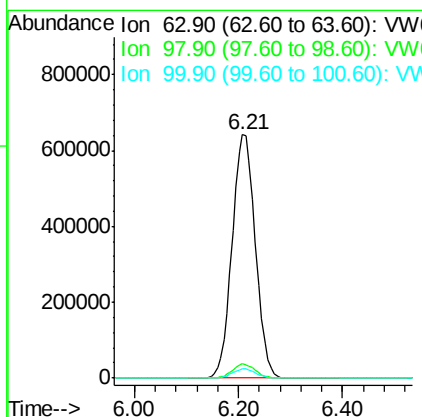
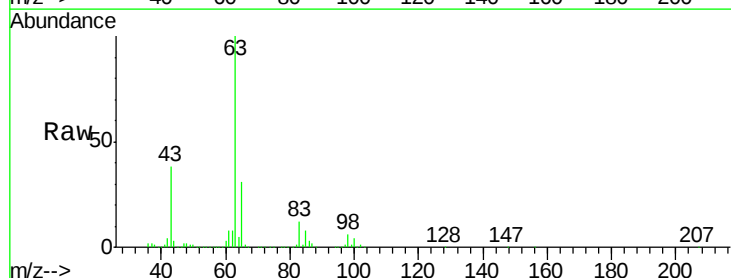
Tgt Ion: 63 Resp: 1978236

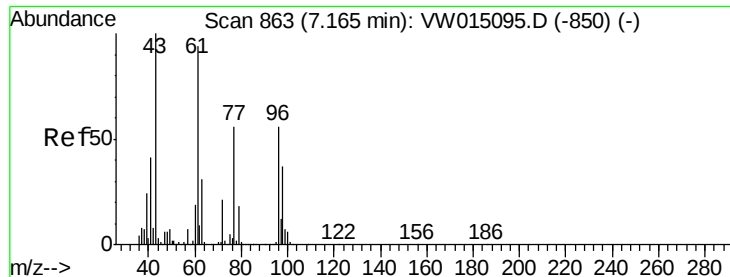
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 762.137 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1732013

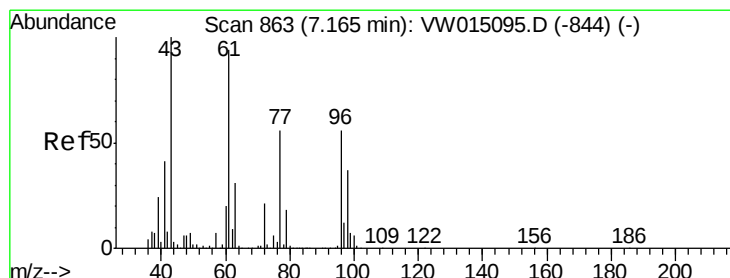
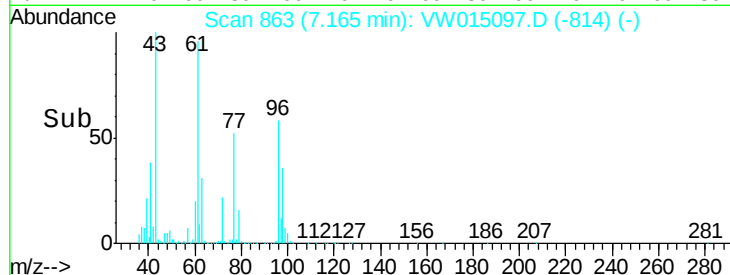
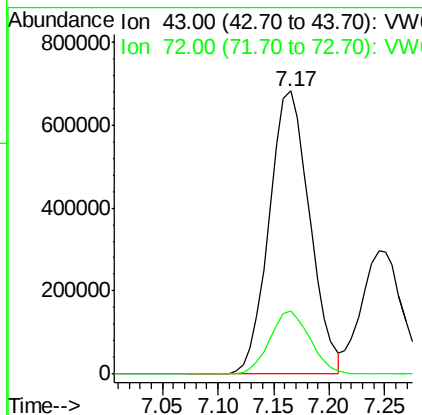
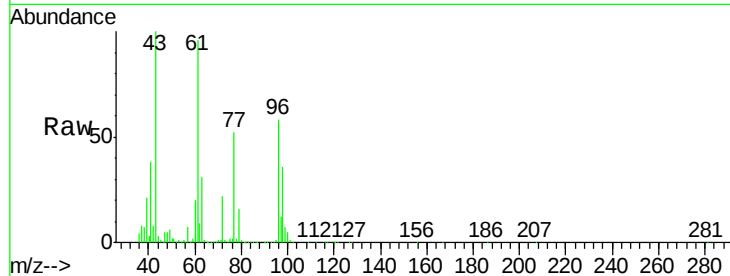
Ion Ratio Lower Upper

43 100

72 22.4 17.0 25.6

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#26

2,2-Dichloropropane

Concen: 129.210 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015097.D

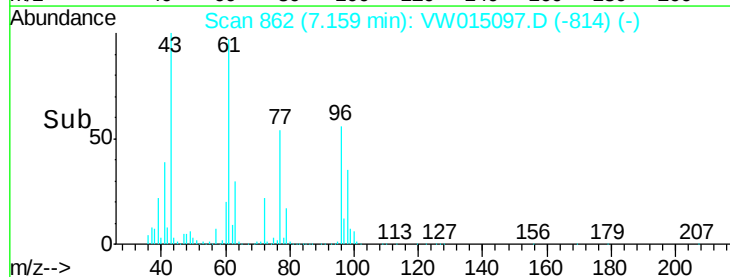
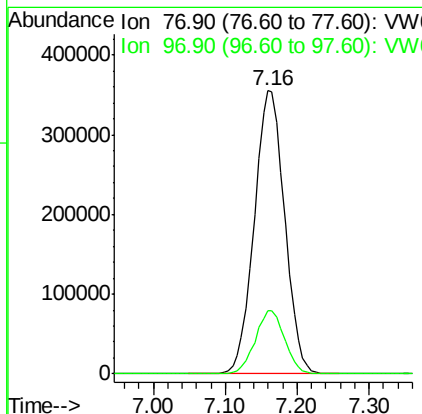
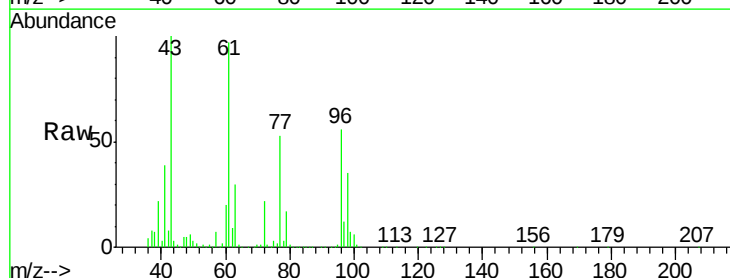
Acq: 09 Mar 2020 12:47

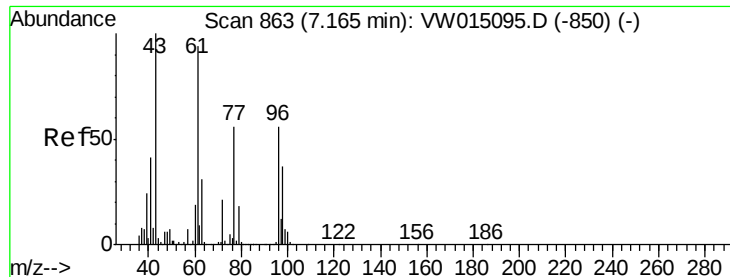
Tgt Ion: 77 Resp: 1040831

Ion Ratio Lower Upper

77 100

97 21.7 10.6 31.8





#27

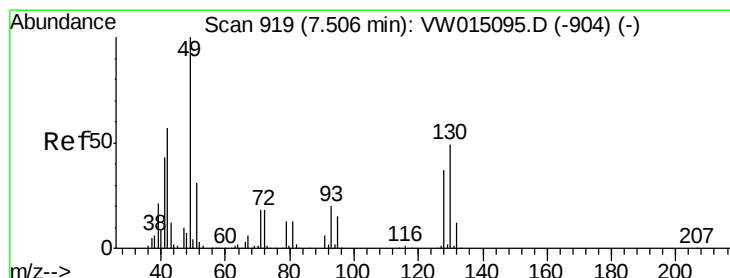
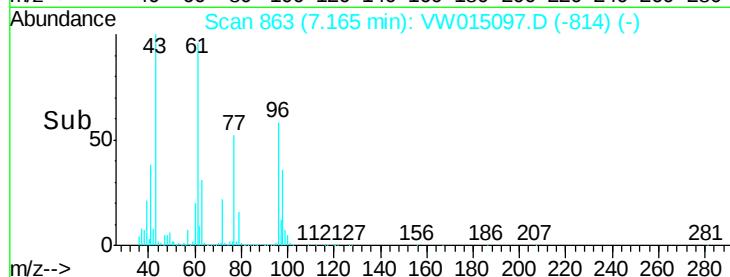
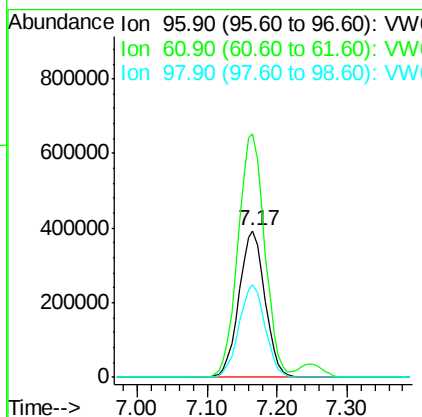
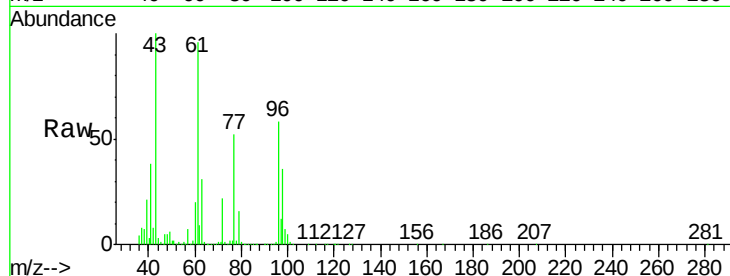
cis-1,2-Dichloroethene
 Concen: 145.634 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.2	0.0	343.4
98	63.5	0.0	127.6

Manual Integrations
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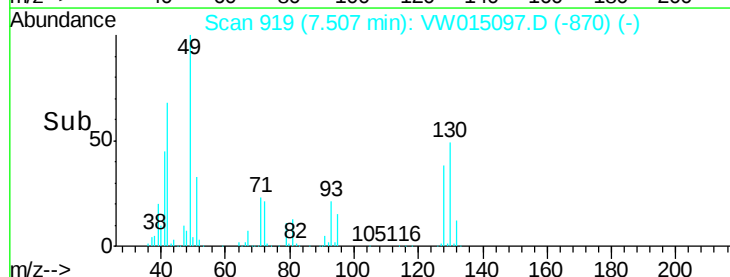
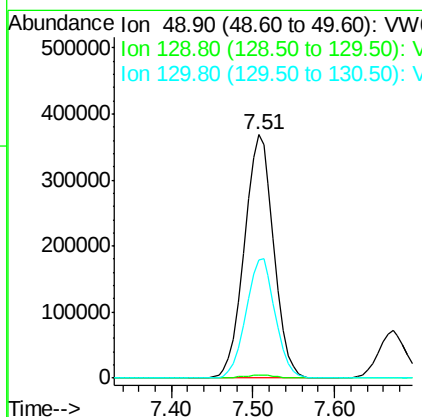
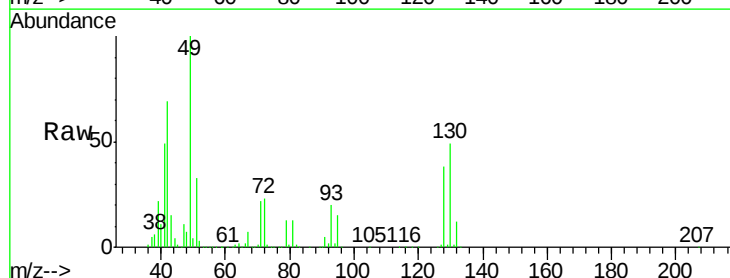
MMDadoda
 3/11/2020 3:24:02 PM

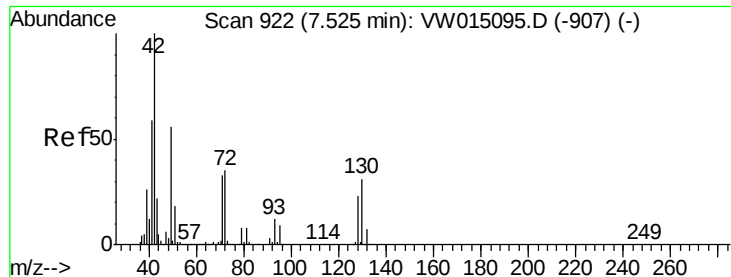


#28

Bromochloromethane
 Concen: 136.637 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	48.9	39.8	59.6





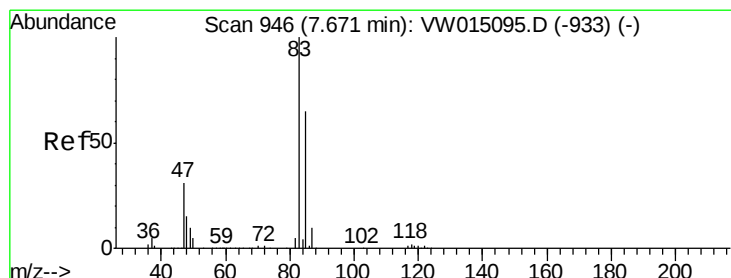
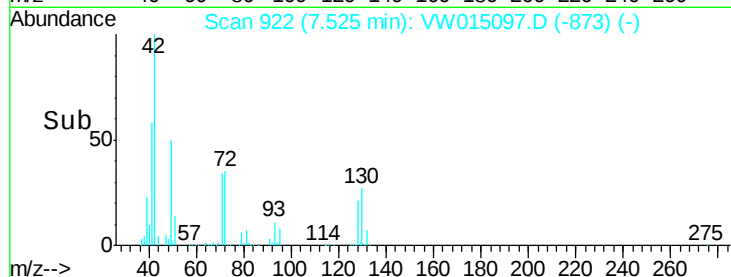
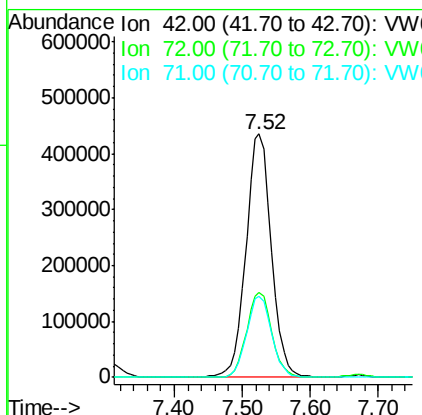
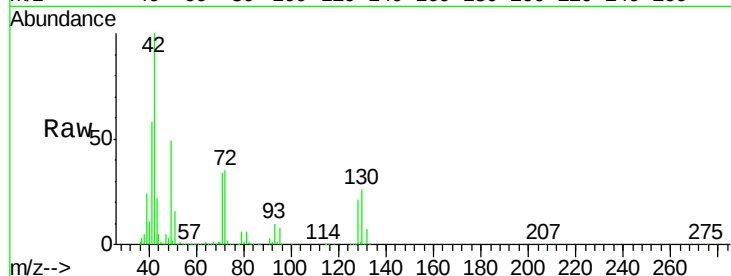
#29
Tetrahydrofuran
Concen: 792.467 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1126484
Ion Ratio Lower Upper
42 100
72 34.8 27.8 41.6
71 32.9 26.4 39.6

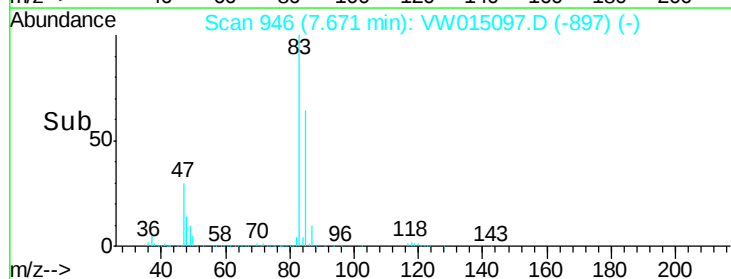
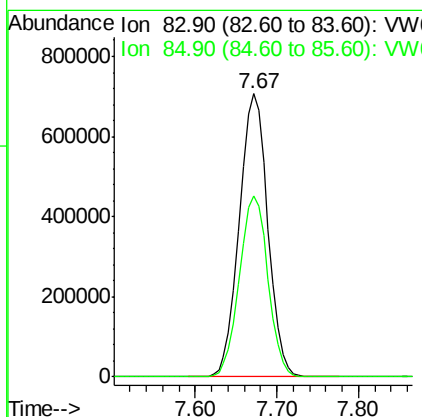
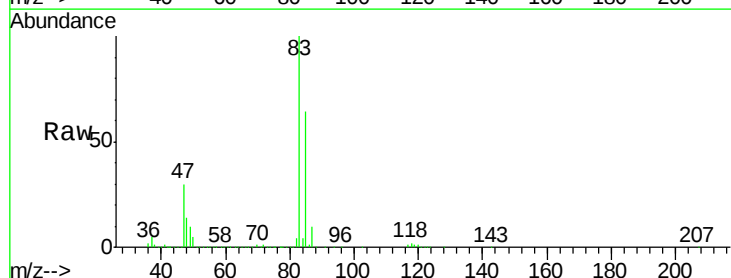
Manual Integrations
APPROVED

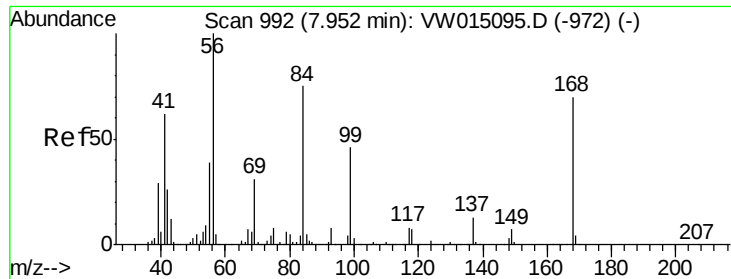
MMDadoda
3/11/2020 3:24:02 PM



#30
Chloroform
Concen: 136.742 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion: 83 Resp: 1709109
Ion Ratio Lower Upper
83 100
85 63.9 51.9 77.9





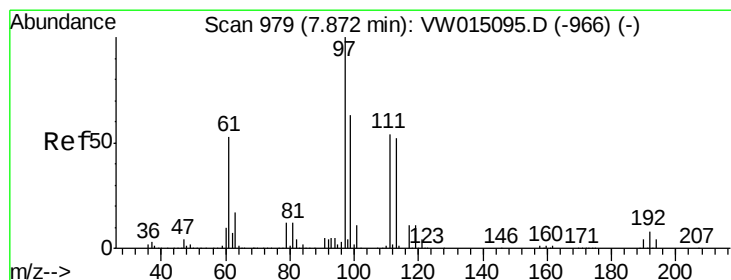
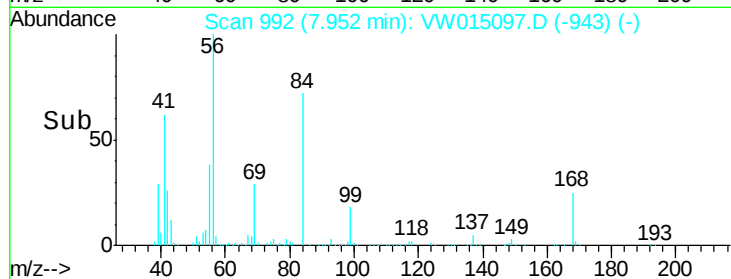
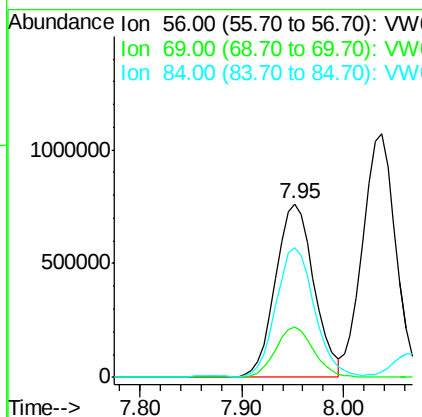
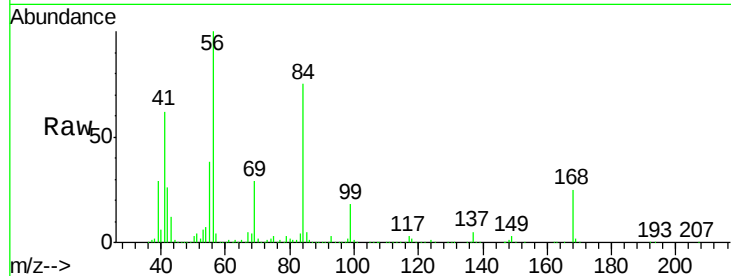
#31
Cyclohexane
Concen: 137.906 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 56 Resp: 1997658
Ion Ratio Lower Upper
56 100
69 29.1 24.6 37.0
84 74.0 59.9 89.9

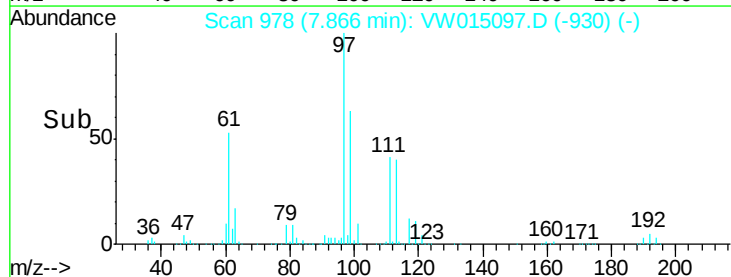
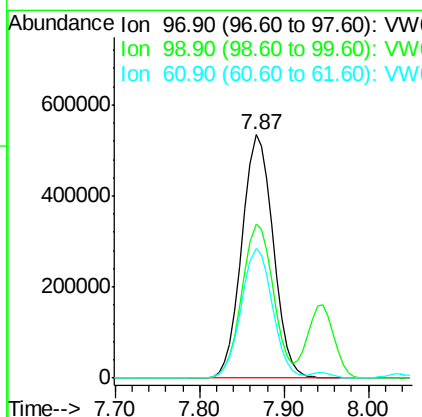
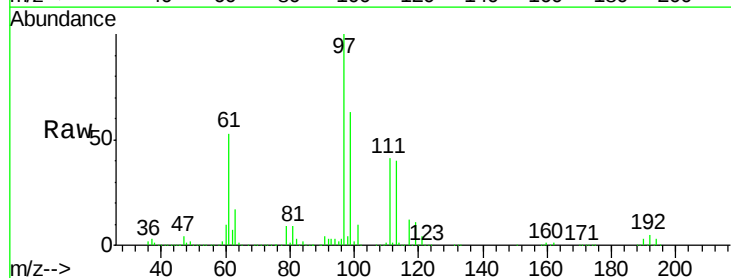
Manual Integrations
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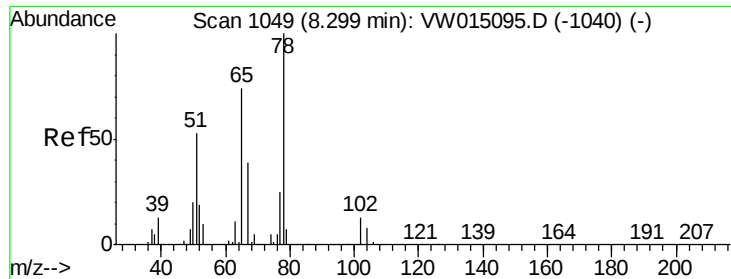
MMDadoda
3/11/2020 3:24:02 PM



#32
1,1,1-Trichloroethane
Concen: 138.028 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion: 97 Resp: 1347053
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 53.4 44.0 66.0





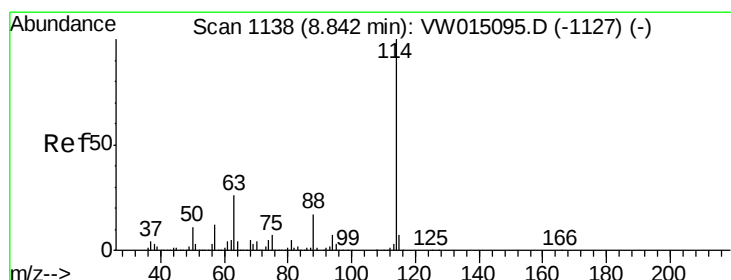
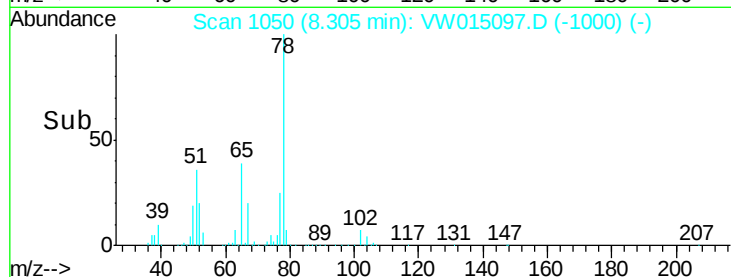
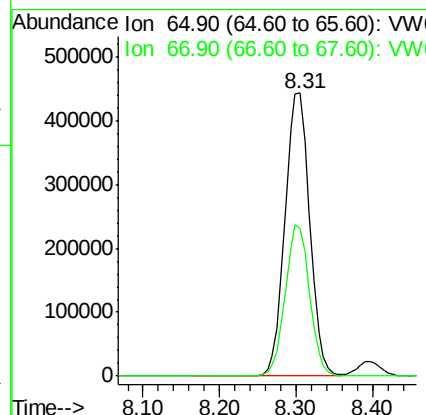
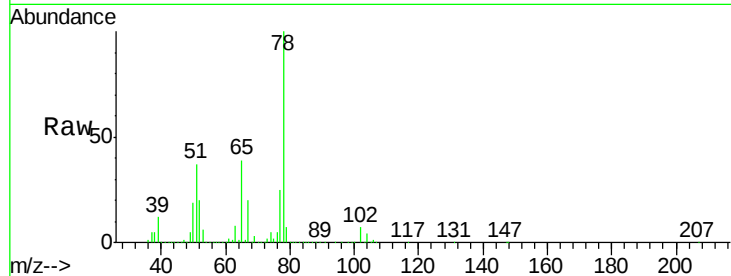
#33
 1,2-Dichloroethane-d4
 Concen: 136.372 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	991281		
67	52.6	0.0	105.0	

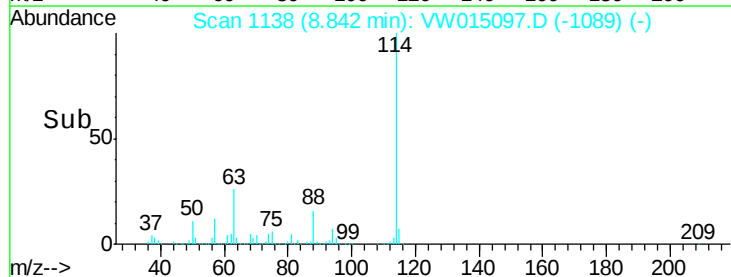
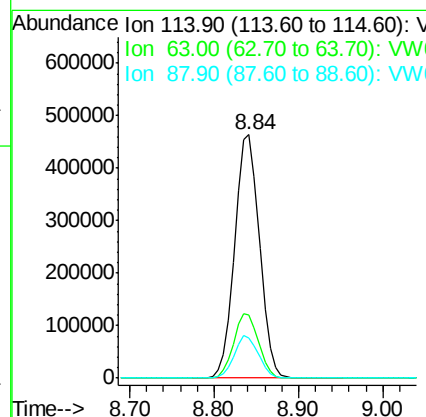
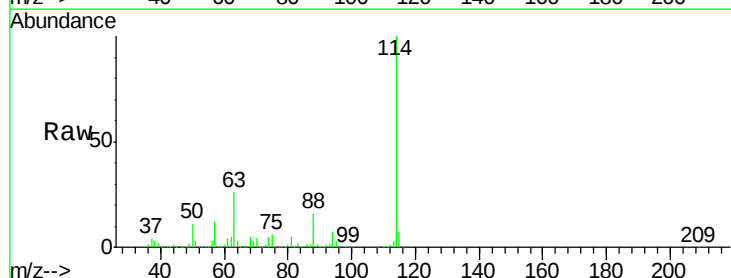
Manual Integrations
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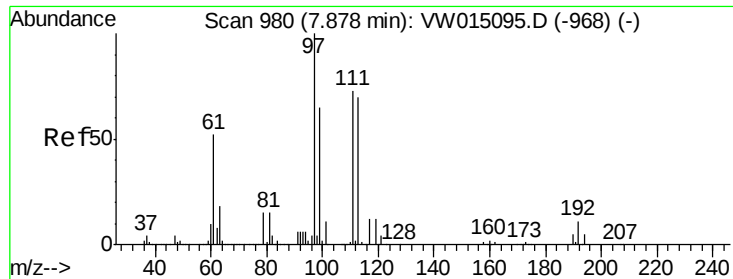
MMDadoda
 3/11/2020 3:24:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	923897		
63	26.2	0.0	52.0	
88	16.4	0.0	34.2	





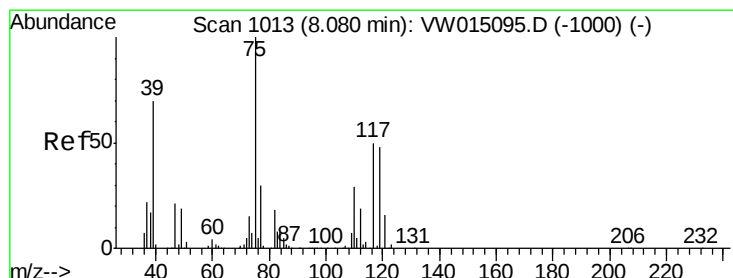
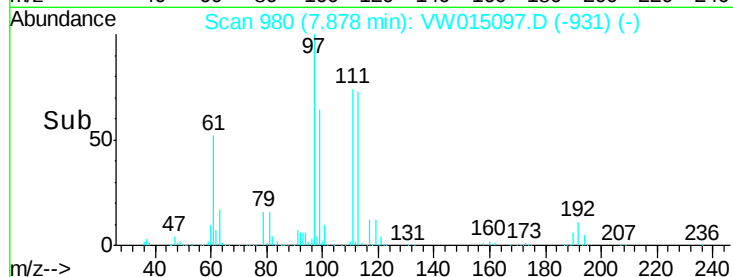
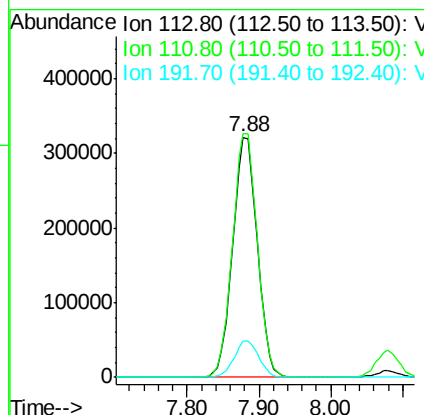
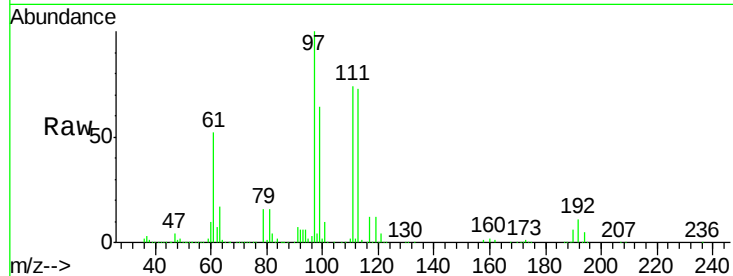
#35
 Dibromofluoromethane
 Concen: 138.055 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	763619		
111	102.7	83.6	125.4	
192	15.4	12.4	18.6	

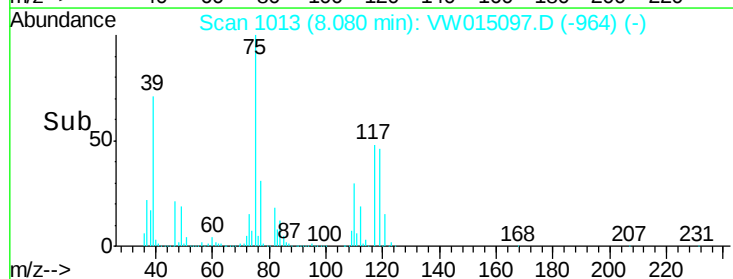
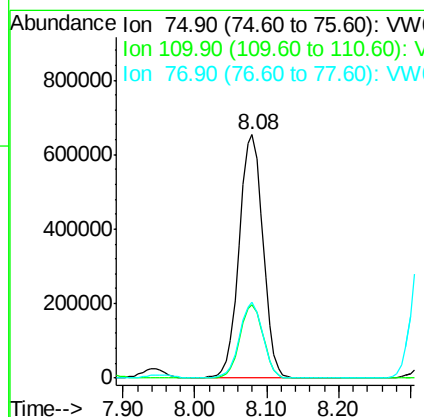
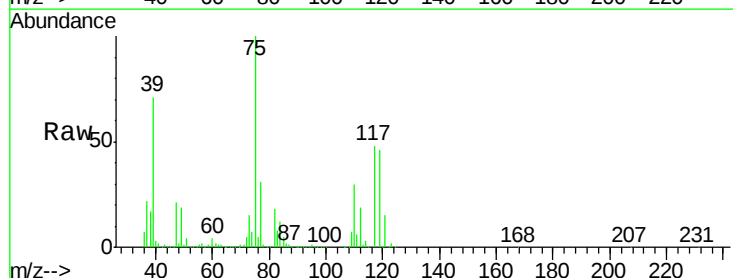
Manual Integrations
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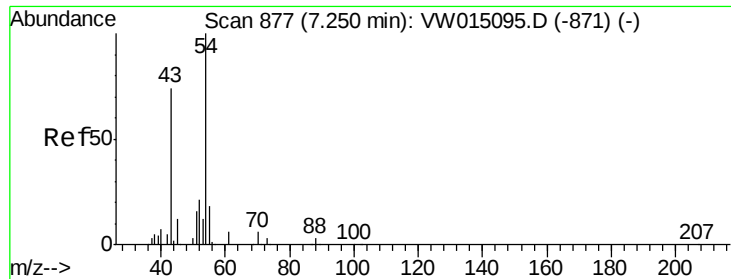
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#36
 1,1-Dichloropropene
 Concen: 139.819 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1498070		
110	29.6	14.7	44.1	
77	30.5	24.2	36.4	





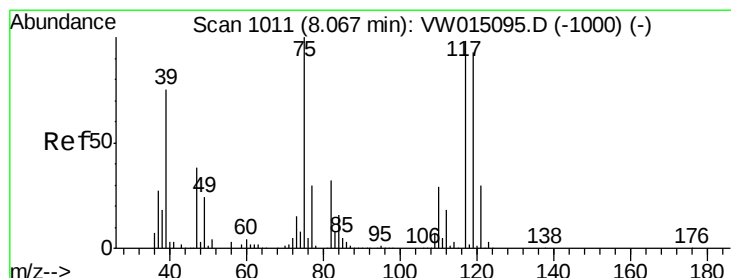
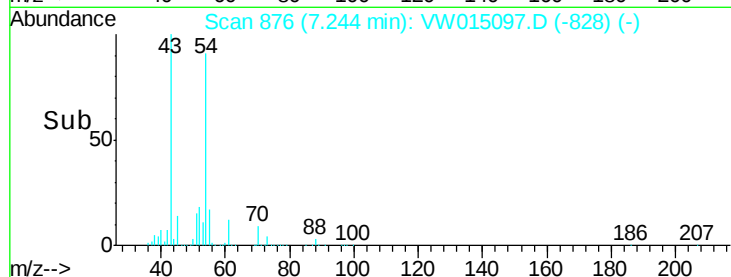
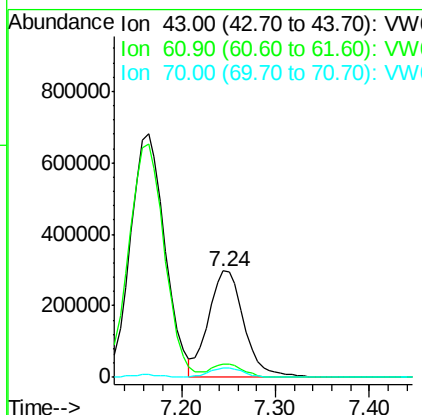
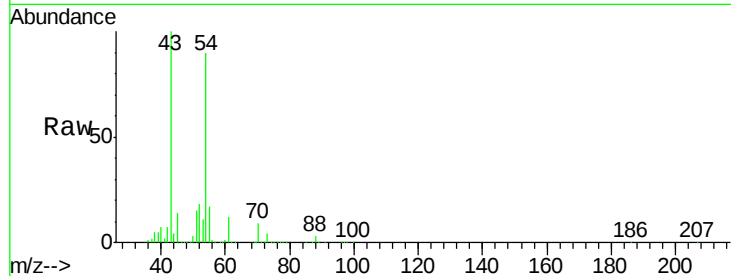
#37
Ethyl Acetate
Concen: 145.824 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.6	14.4
70	8.3	6.5	9.7

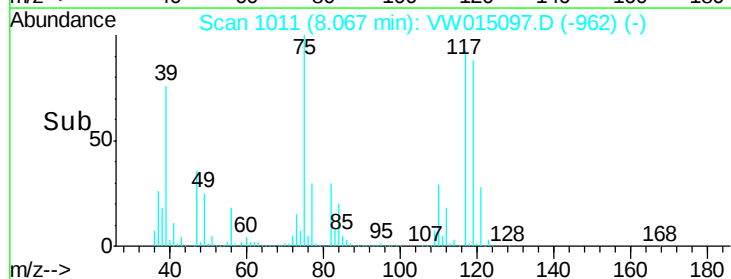
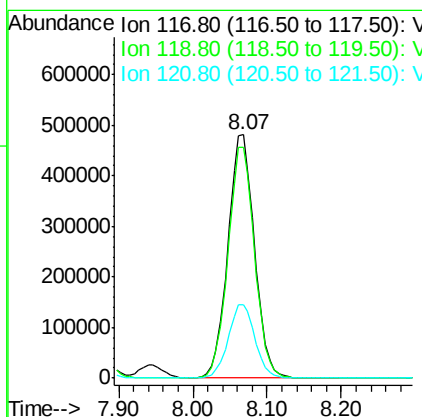
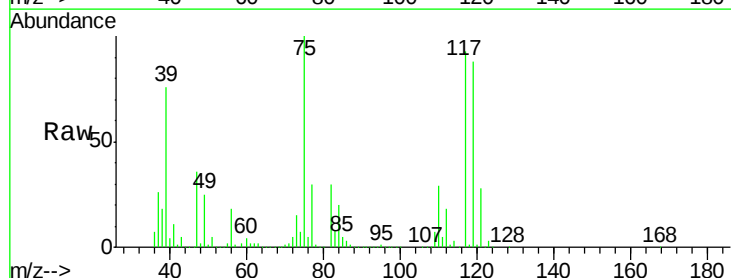
Manual Integrations
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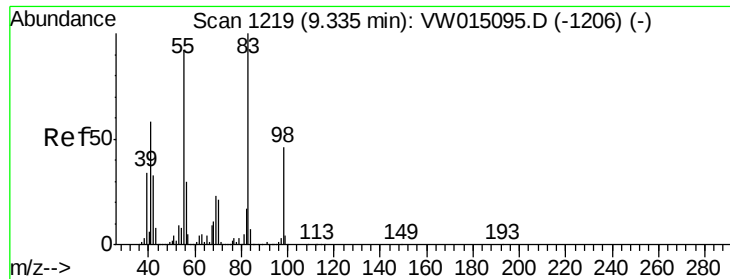
MMDadoda
3/11/2020 3:24:02 PM



#38
Carbon Tetrachloride
Concen: 137.455 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.8	113.8
121	30.3	24.5	36.7





#39

Methylvlcyclohexane

Concen: 153.053 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1875027

Ion Ratio Lower Upper

83 100

55 90.7 73.5 110.3

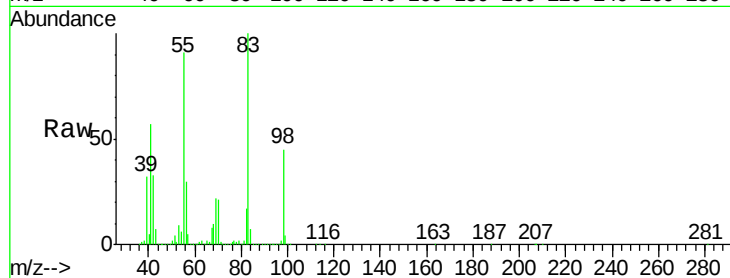
98 45.2 37.2 55.8

Manual Integrations

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MMDadoda

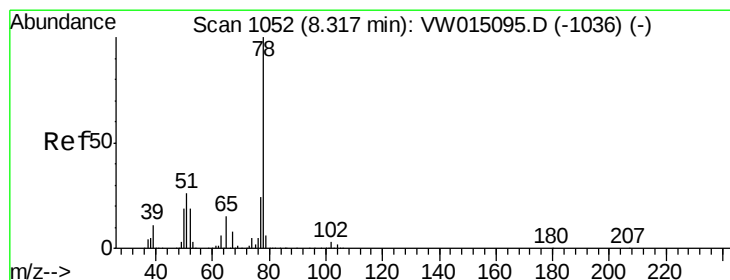
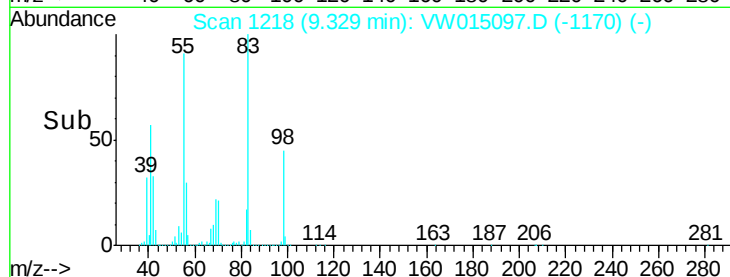
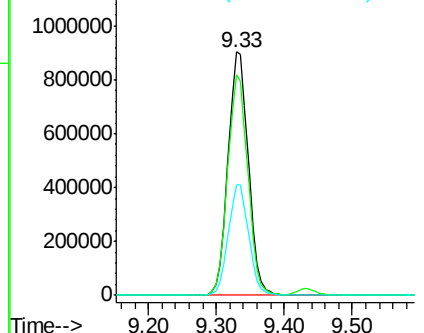
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Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 136.703 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW015097.D

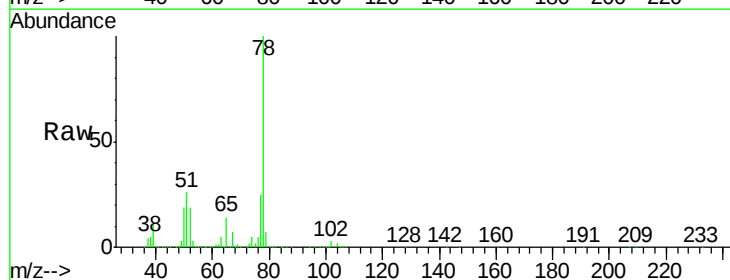
Acq: 09 Mar 2020 12:47

Tgt Ion: 78 Resp: 4070355

Ion Ratio Lower Upper

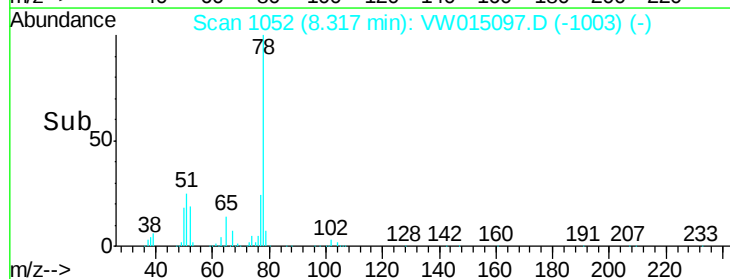
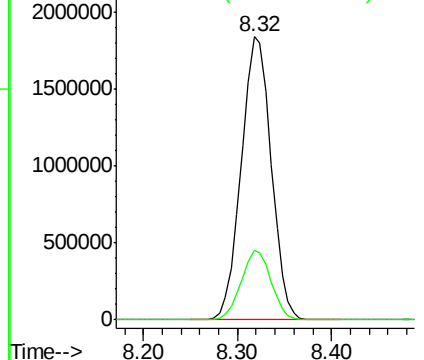
78 100

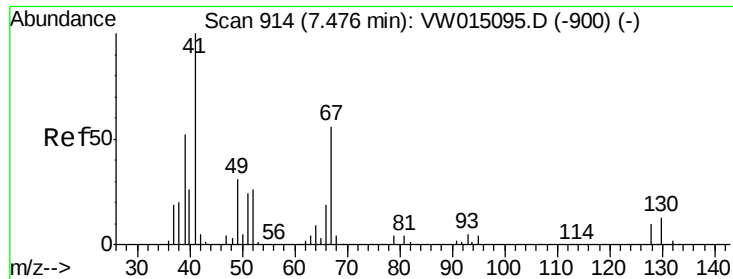
77 24.5 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





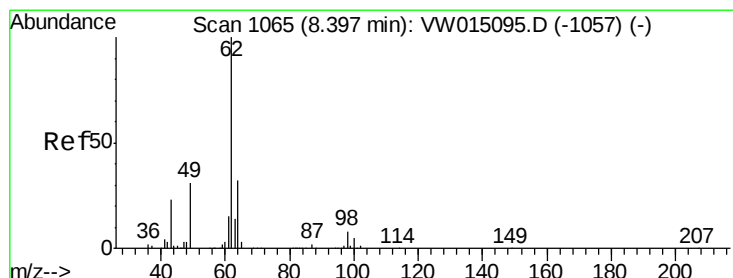
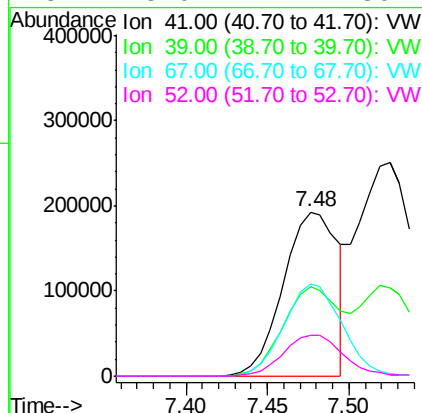
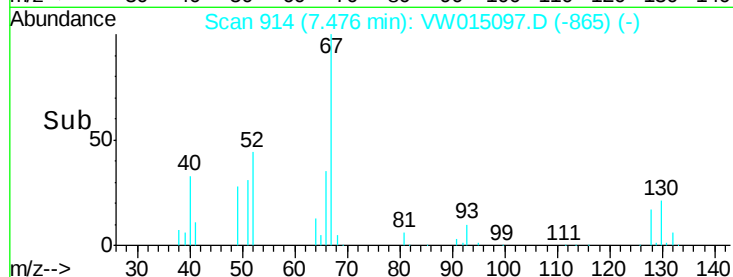
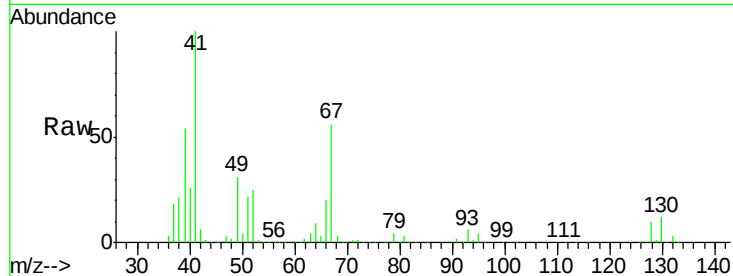
#41
Methacrylonitrile
Concen: 156.943 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.7	49.0	73.4
67	61.0	50.4	75.6
52	28.0	24.2	36.4

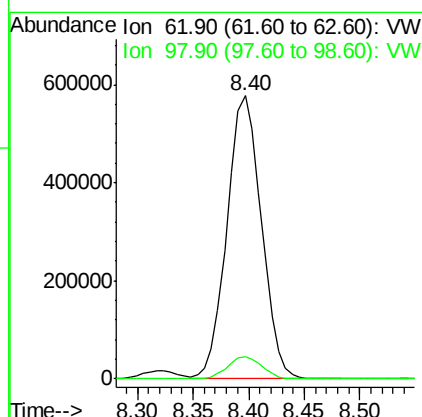
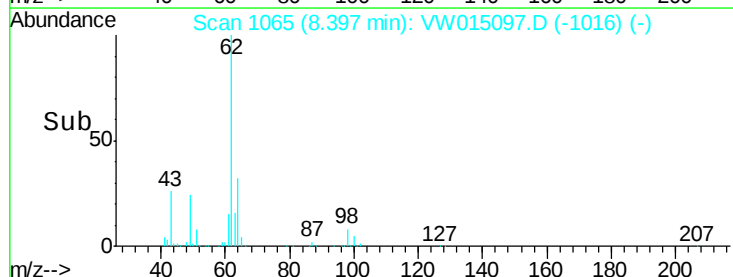
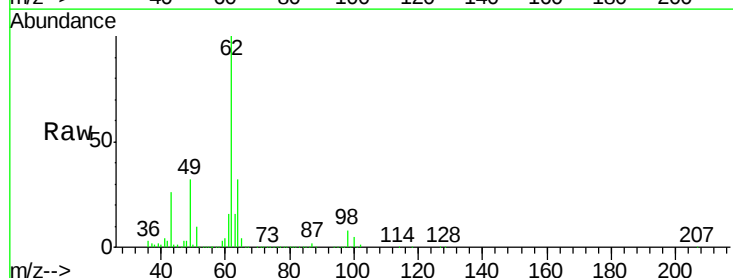
Manual Integrations
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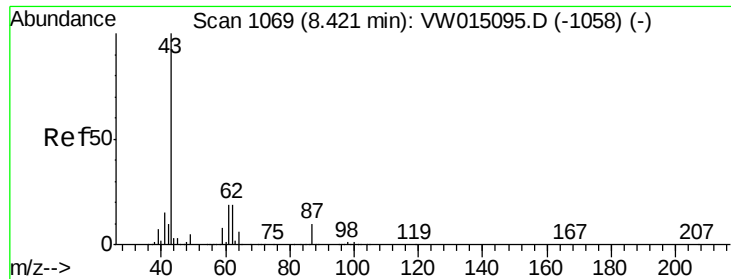
MMDadoda
3/11/2020 3:24:02 PM



#42
1,2-Dichloroethane
Concen: 136.346 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.0





#43

Isopropyl Acetate

Concen: 153.523 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1469712

Ion Ratio Lower Upper

43 100

61 26.9 21.8 32.8

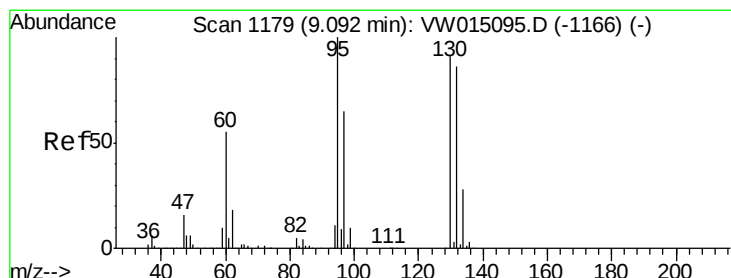
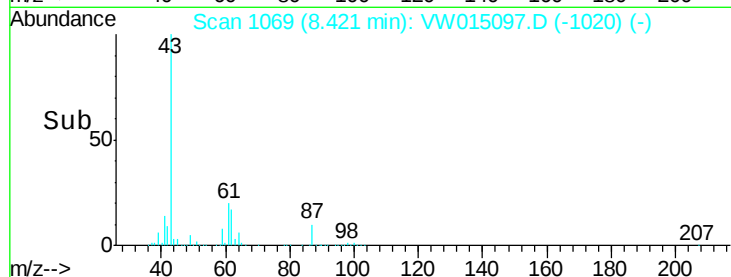
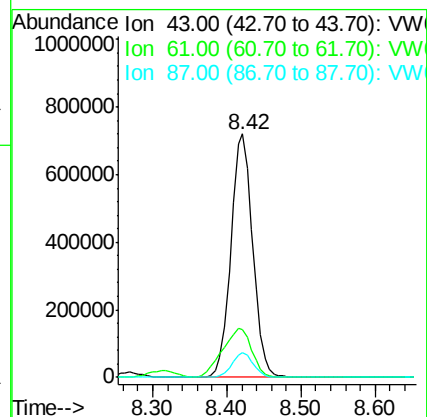
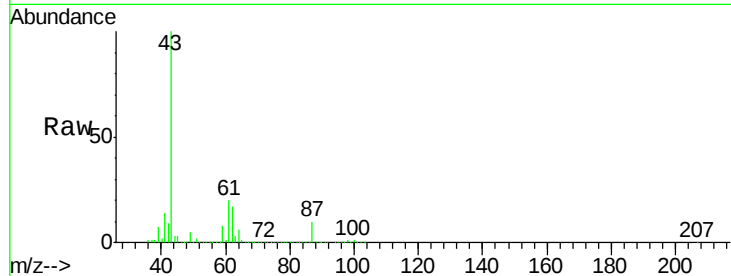
87 10.0 8.0 12.0

Manual Integrations

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#44

Trichloroethene

Concen: 139.828 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015097.D

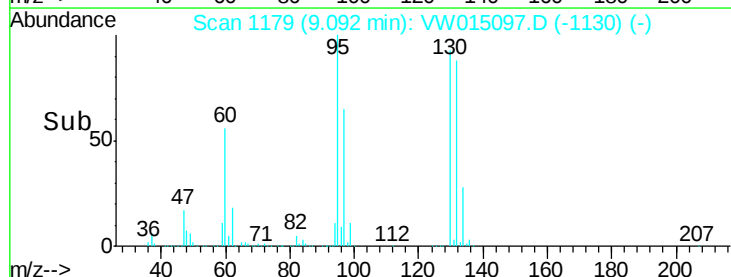
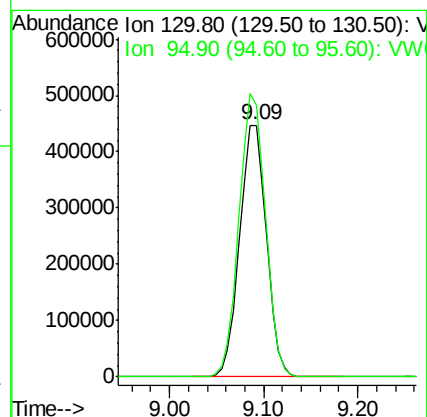
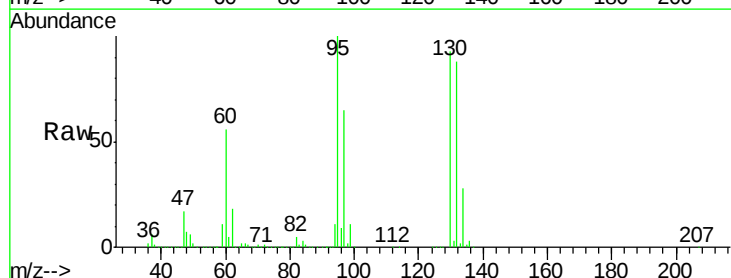
Acq: 09 Mar 2020 12:47

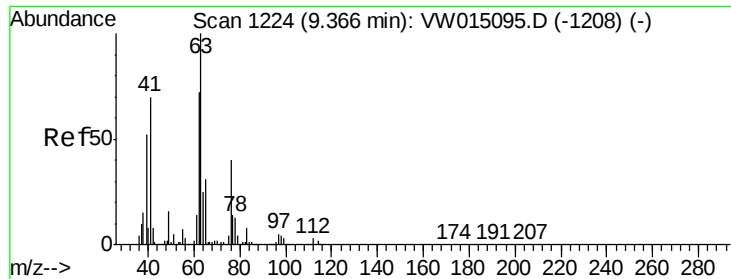
Tgt Ion: 130 Resp: 886238

Ion Ratio Lower Upper

130 100

95 108.0 0.0 219.8





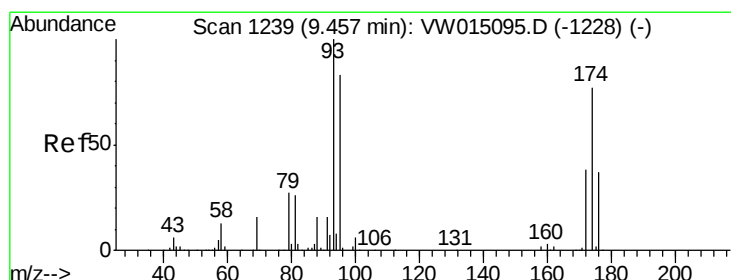
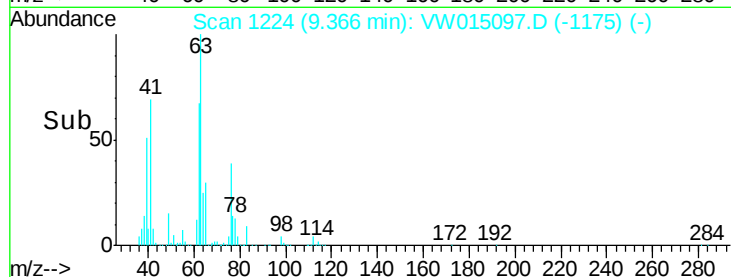
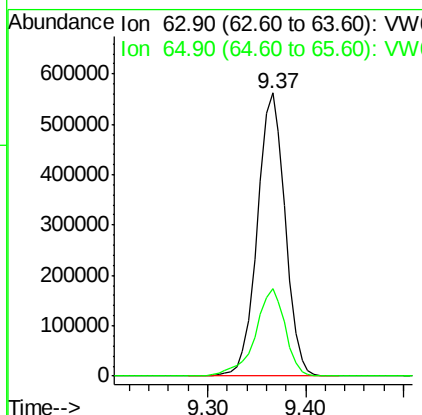
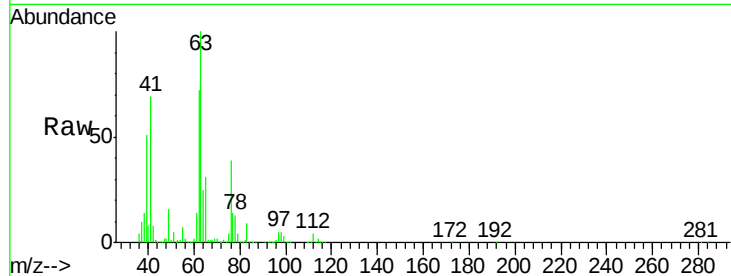
#45
 1,2-Dichloropropane
 Concen: 139.069 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1115140
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8

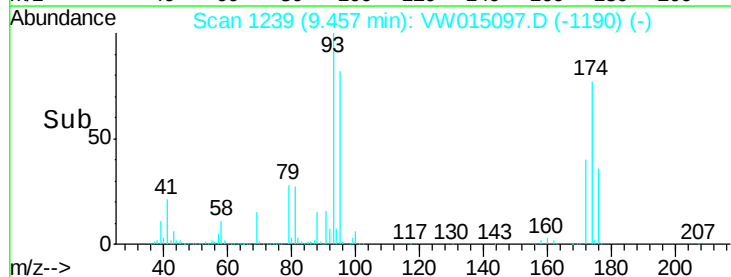
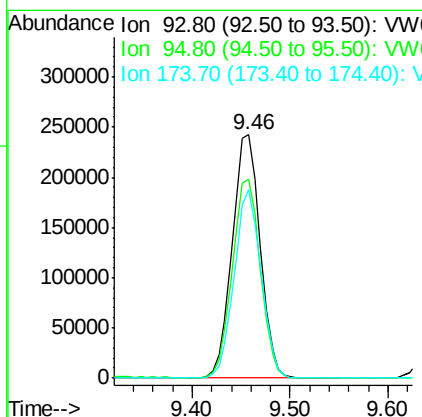
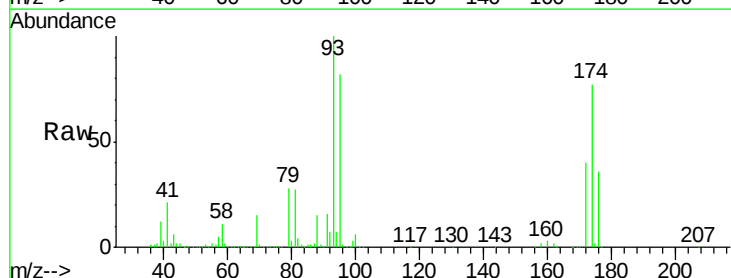
Manual Integrations
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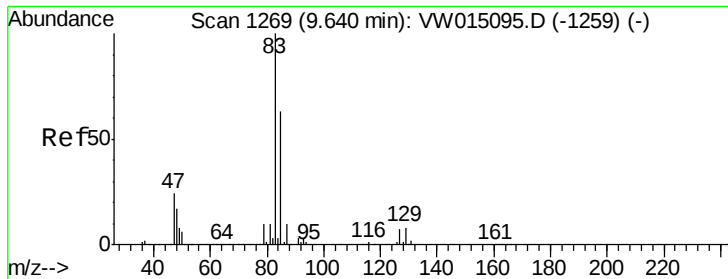
MMDadoda
 3/11/2020 3:24:02 PM



#46
 Dibromomethane
 Concen: 137.855 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion: 93 Resp: 480655
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.6 100.0
 174 75.0 60.6 91.0





#47

Bromodichloromethane

Concen: 141.014 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1312673

Ion Ratio Lower Upper

83 100

85 63.3 50.7 76.1

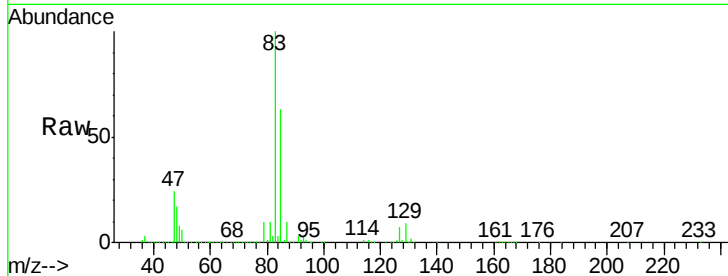
127 7.2 5.5 8.3

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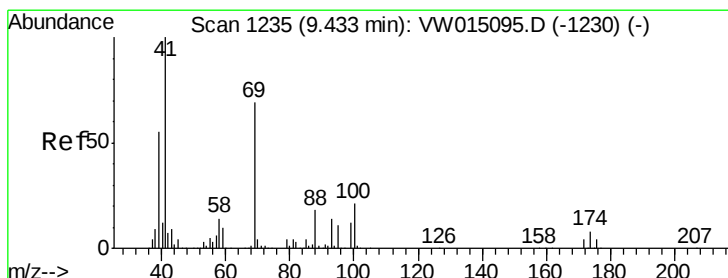
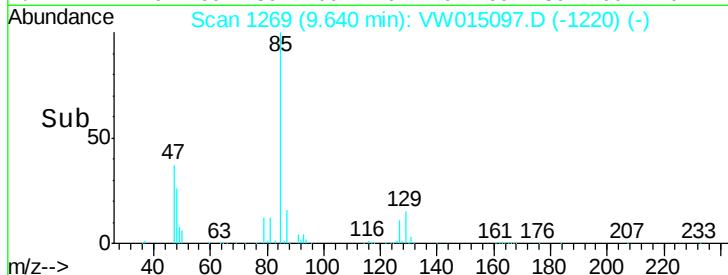
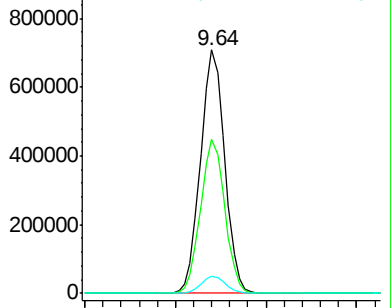
3/11/2020 3:24:02 PM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 172.177 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

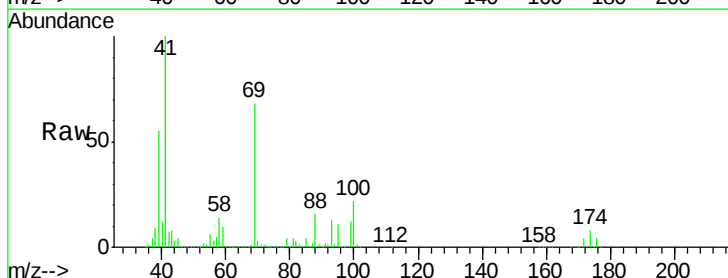
Tgt Ion: 41 Resp: 760722

Ion Ratio Lower Upper

41 100

69 68.4 58.7 88.1

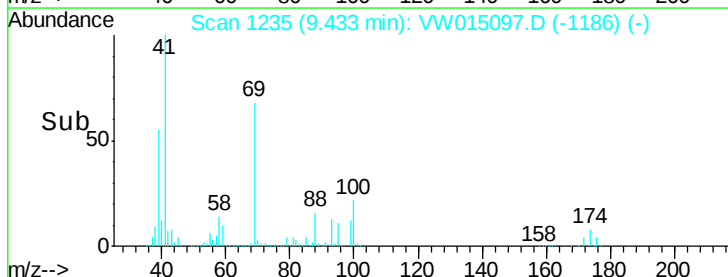
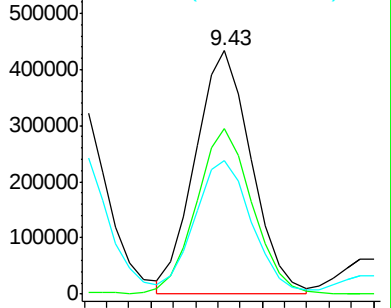
39 52.5 45.1 67.7

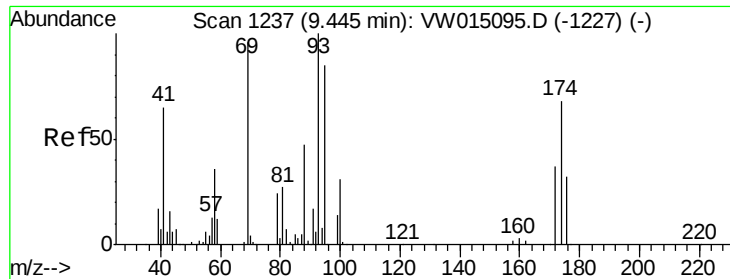


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





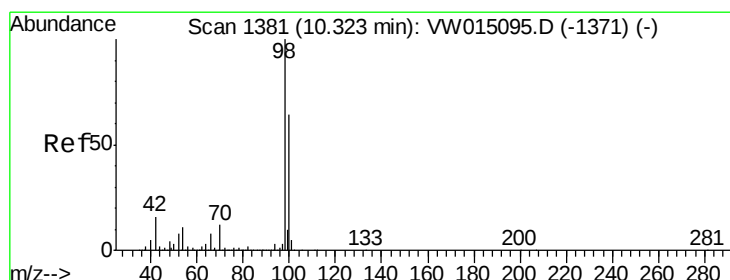
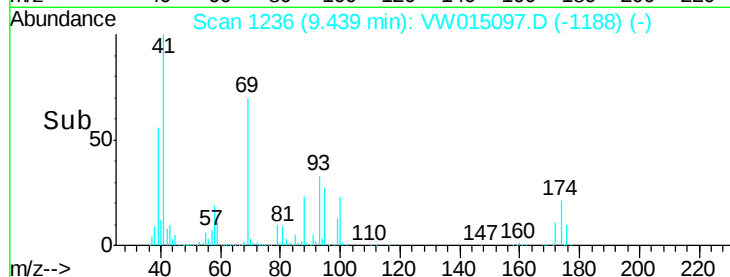
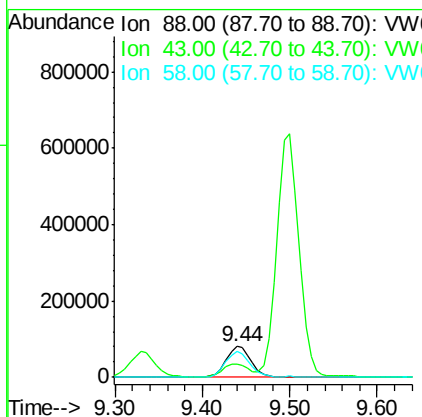
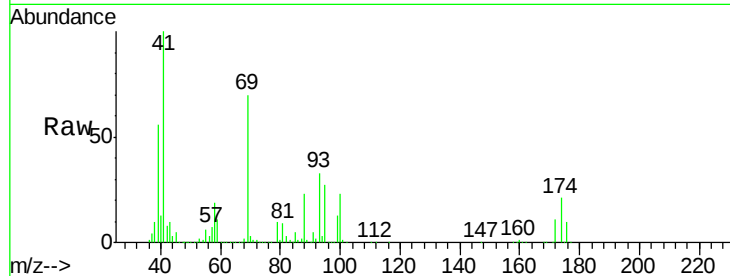
#49
1,4-Dioxane
Concen: 2971.736 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	158638
Ion Ratio	Lower	Upper	
88	100		
43	45.3	35.8	53.8
58	83.3	64.0	96.0

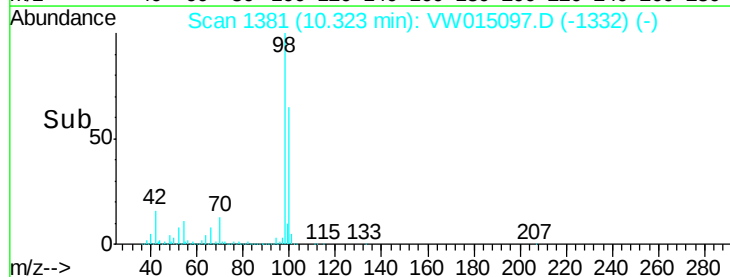
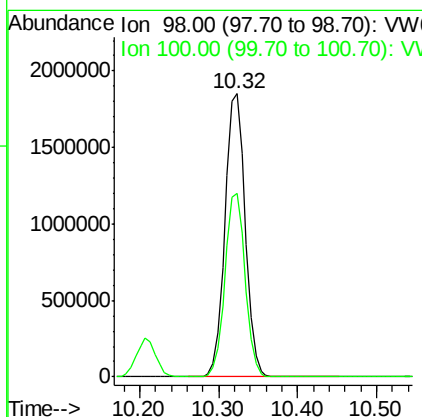
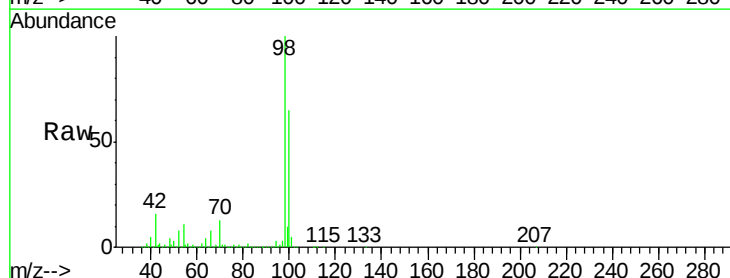
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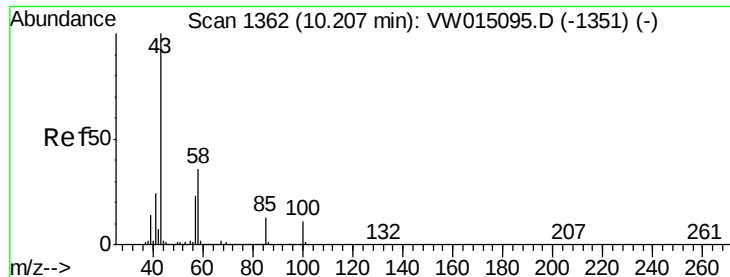
MMDadoda
3/11/2020 3:24:02 PM



#50
Toluene-d8
Concen: 142.002 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion	98	Resp	3289271
Ion Ratio	Lower	Upper	
98	100		
100	64.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 725.468 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3836094

Ion Ratio Lower Upper

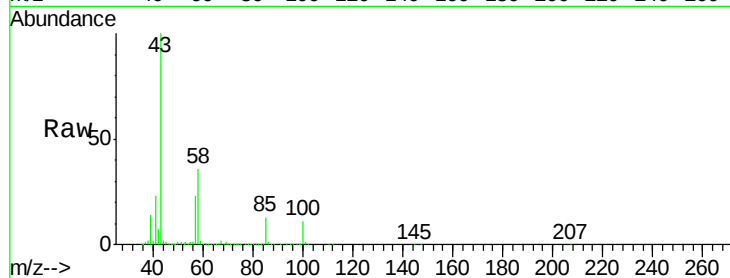
43 100

58 35.8 28.0 42.0

Manual Integrations
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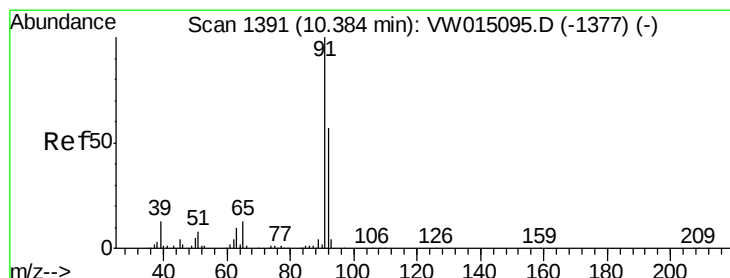
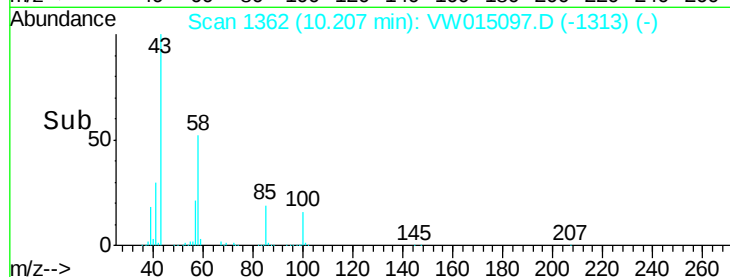
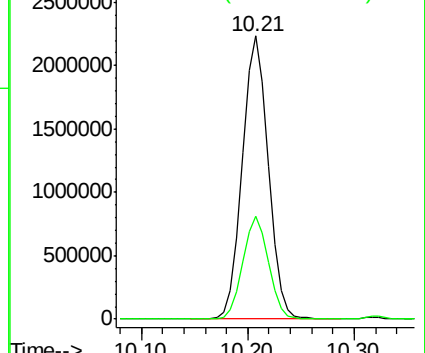
MMDadoda

3/11/2020 3:24:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 143.181 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015097.D

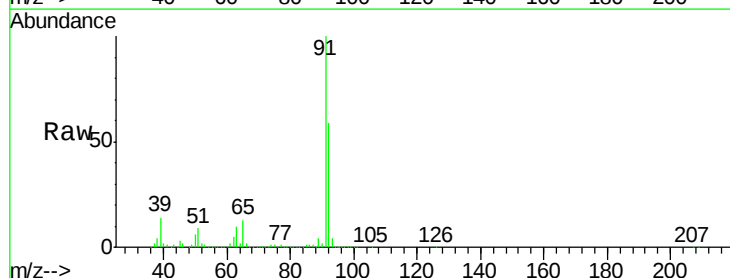
Acq: 09 Mar 2020 12:47

Tgt Ion: 92 Resp: 2449099

Ion Ratio Lower Upper

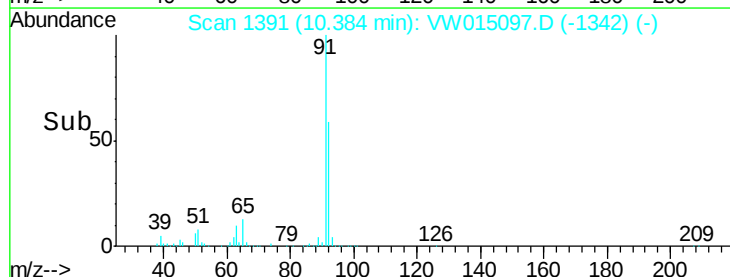
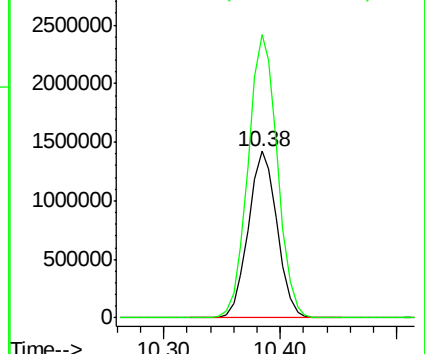
92 100

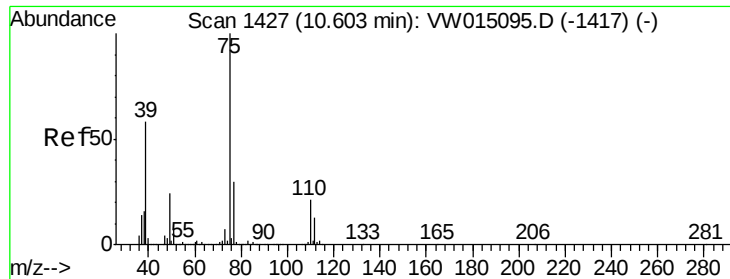
91 172.5 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





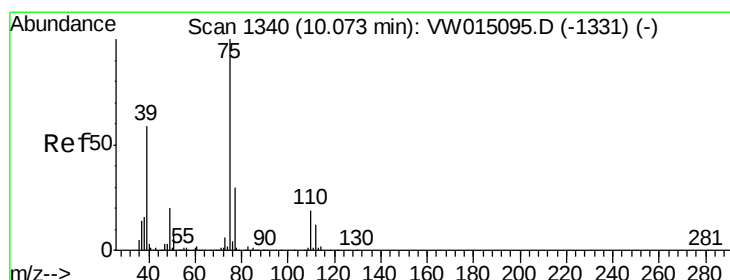
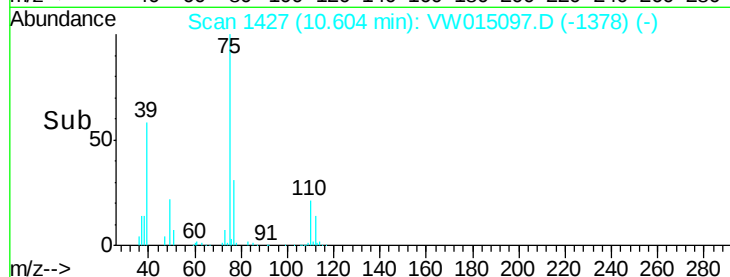
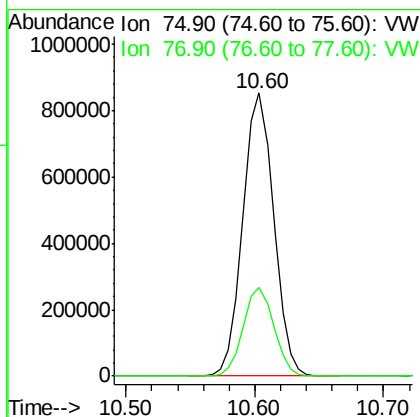
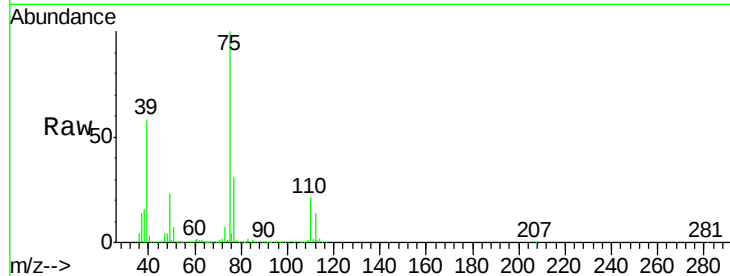
#53
t-1,3-Dichloropropene
Concen: 154.606 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1415861
Ion Ratio Lower Upper
75 100
77 31.2 24.4 36.6

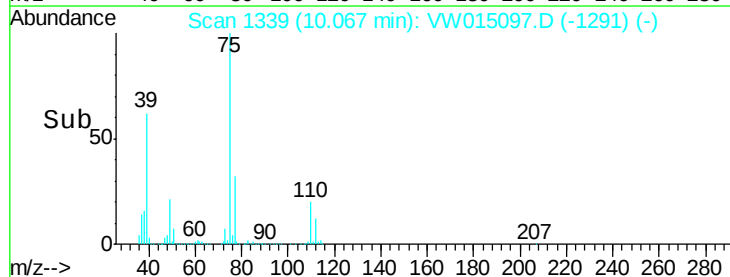
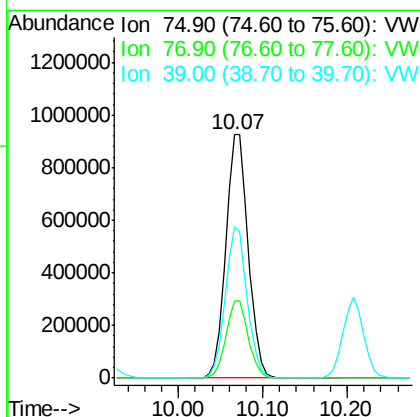
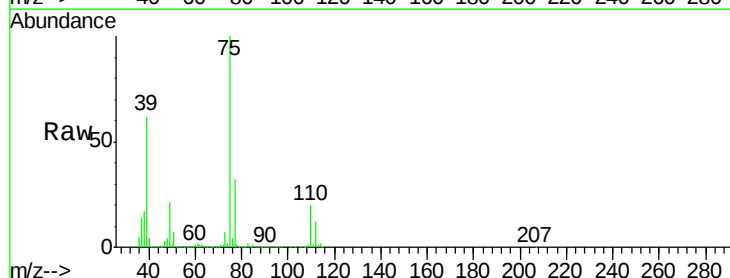
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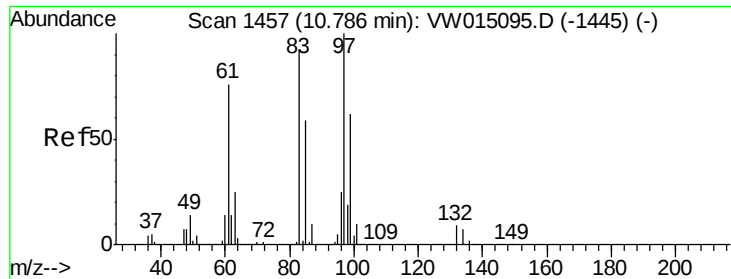
MMDadoda
3/11/2020 3:24:02 PM



#54
cis-1,3-Dichloropropene
Concen: 150.314 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion: 75 Resp: 1676894
Ion Ratio Lower Upper
75 100
77 31.9 24.3 36.5
39 62.1 47.0 70.6





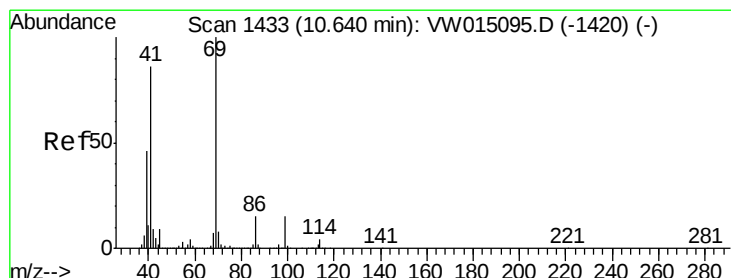
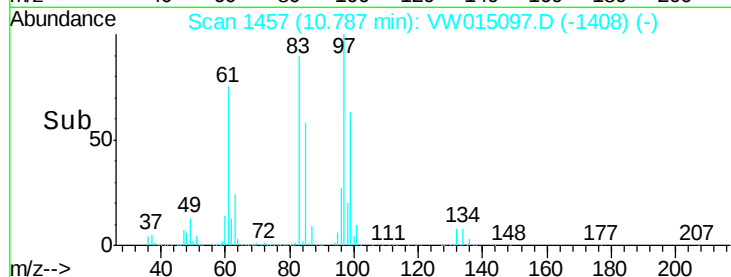
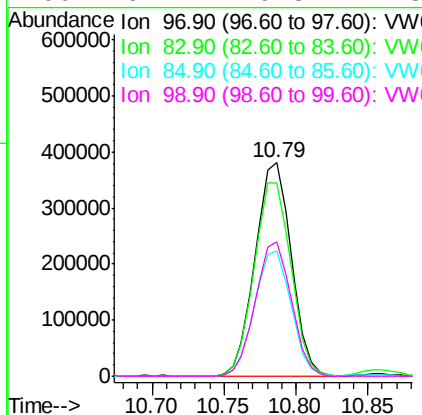
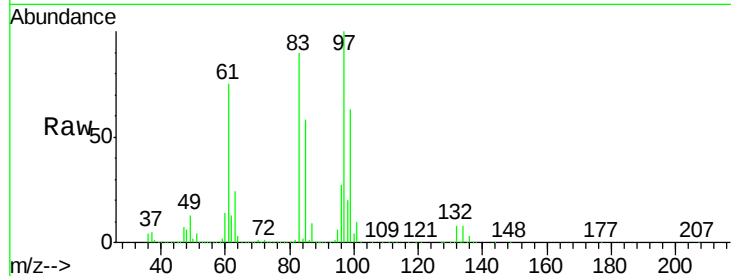
#55
 1,1,2-Trichloroethane
 Concen: 138.606 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	662200
Ion	Ratio	Lower	Upper
97	100		
83	90.5	74.0	111.0
85	58.5	46.9	70.3
99	62.7	49.8	74.8

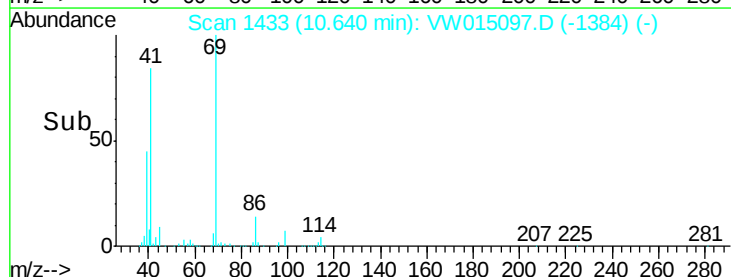
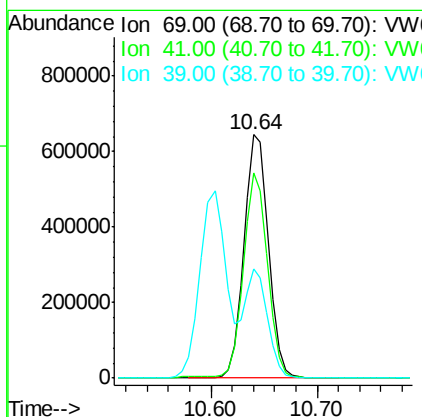
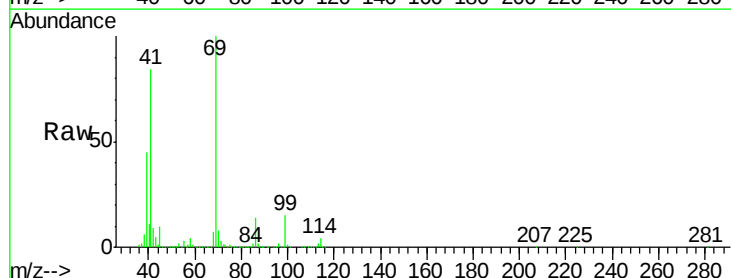
Manual Integrations
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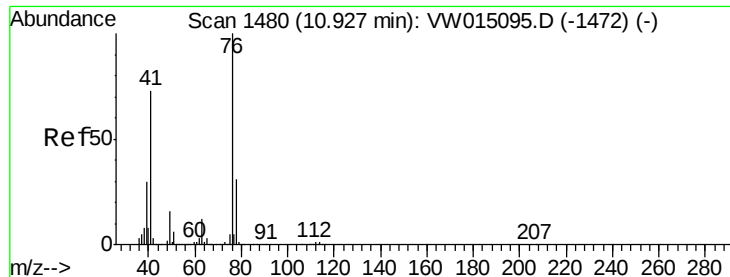
MMDadoda
 3/11/2020 3:24:02 PM



#56
 Ethyl methacrylate
 Concen: 169.359 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion:	69	Resp:	1044033
Ion	Ratio	Lower	Upper
69	100		
41	82.5	65.8	98.6
39	43.4	31.2	46.8





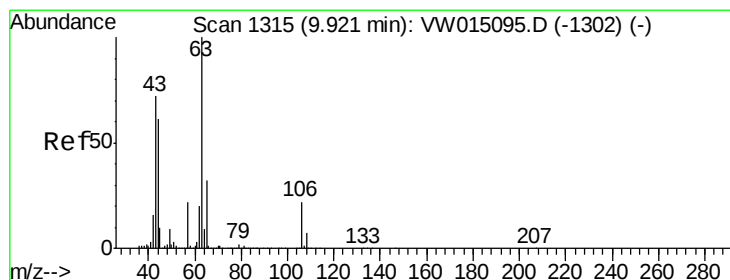
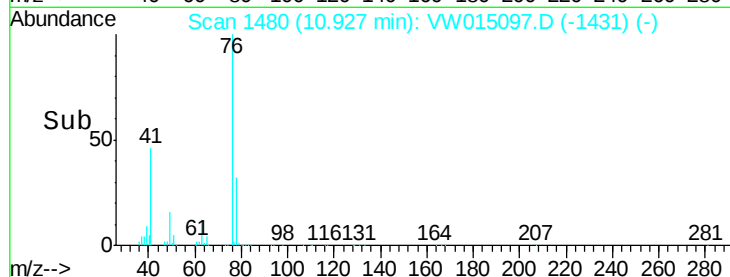
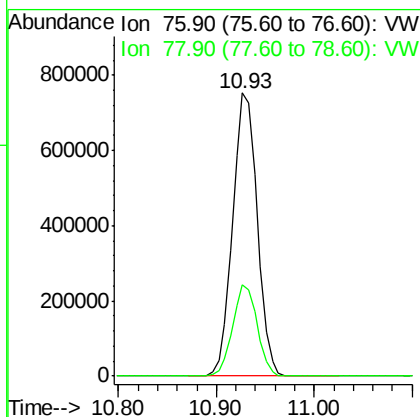
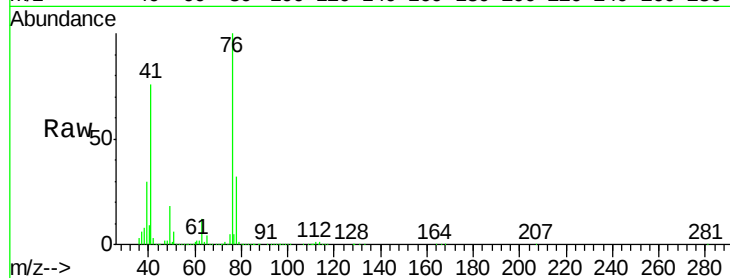
#57
 1,3-Dichloropropane
 Concen: 144.473 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1314082
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9

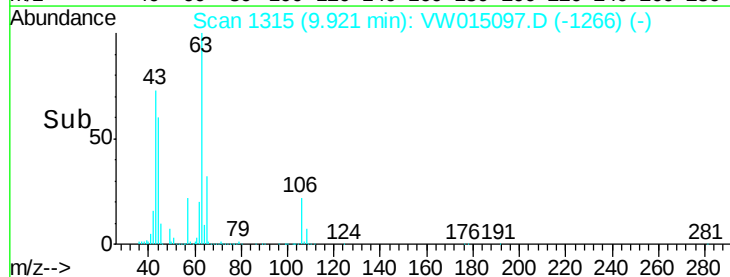
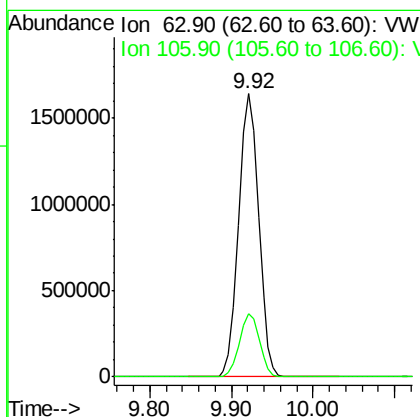
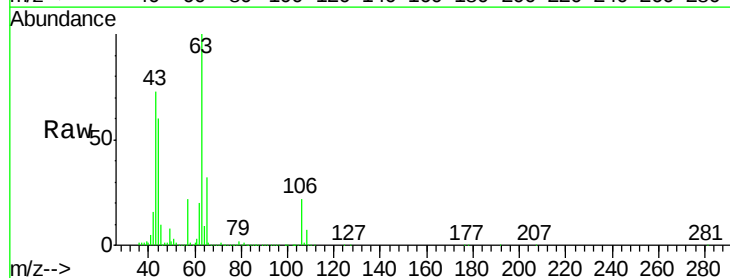
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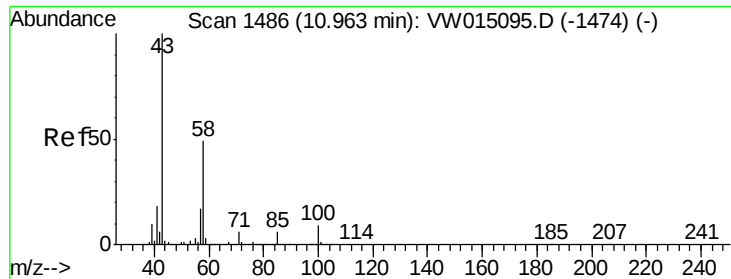
MMDadoda
 3/11/2020 3:24:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 765.388 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion: 63 Resp: 2768448
 Ion Ratio Lower Upper
 63 100
 106 22.4 18.0 27.0





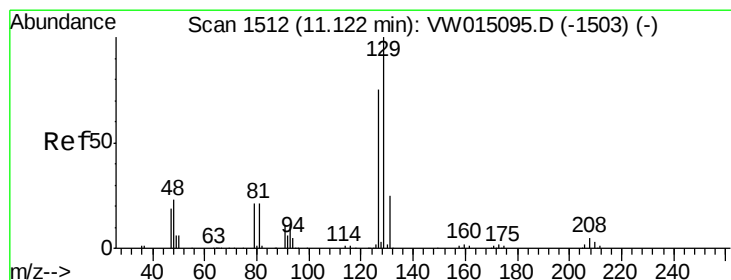
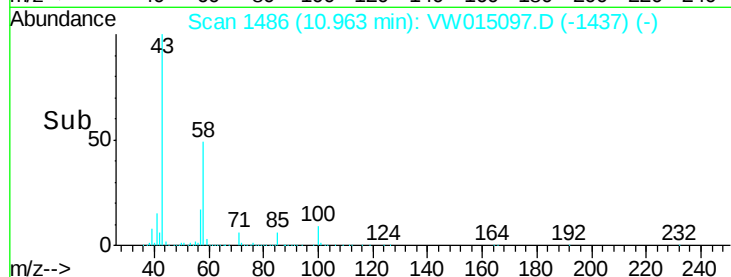
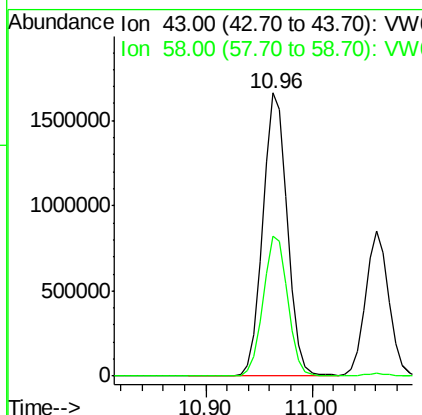
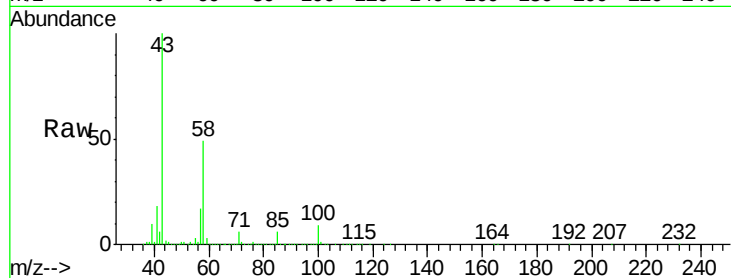
#59
2-Hexanone
Concen: 812.985 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2685157
Ion Ratio Lower Upper
43 100
58 49.6 24.6 73.8

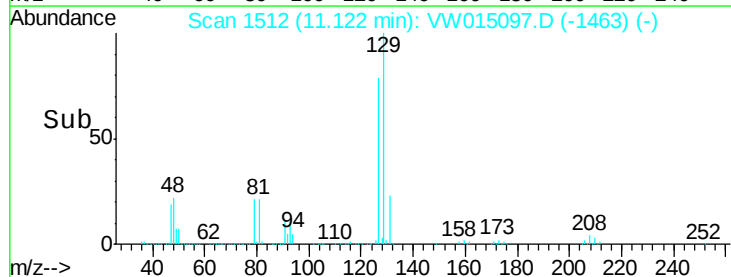
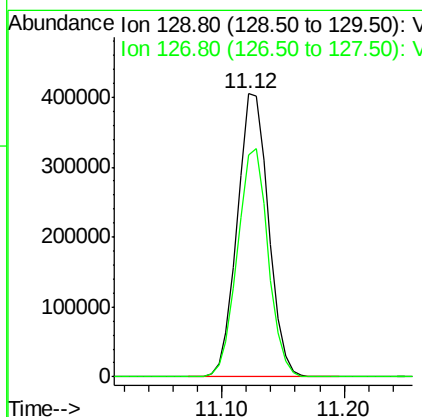
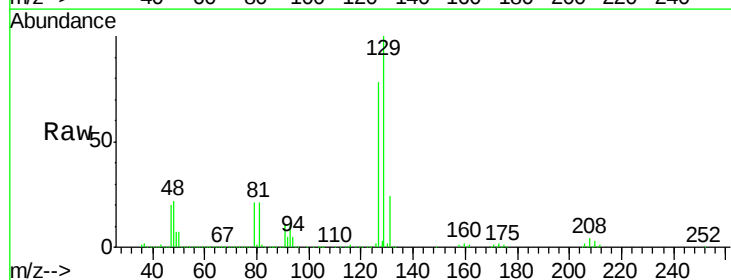
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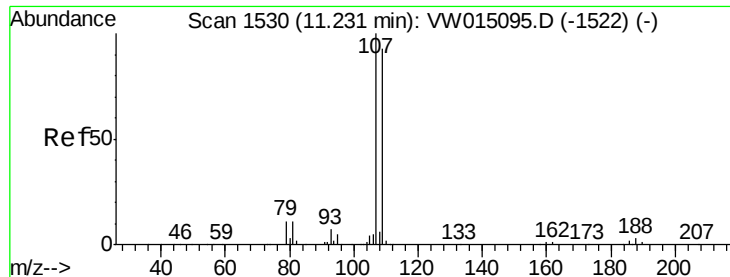
MMDadoda
3/11/2020 3:24:02 PM



#60
Dibromochloromethane
Concen: 145.469 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion: 129 Resp: 717796
Ion Ratio Lower Upper
129 100
127 79.0 38.7 116.1





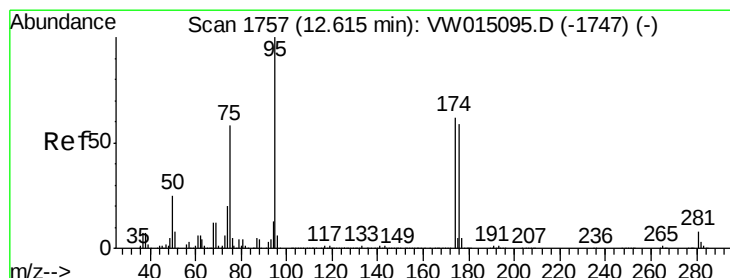
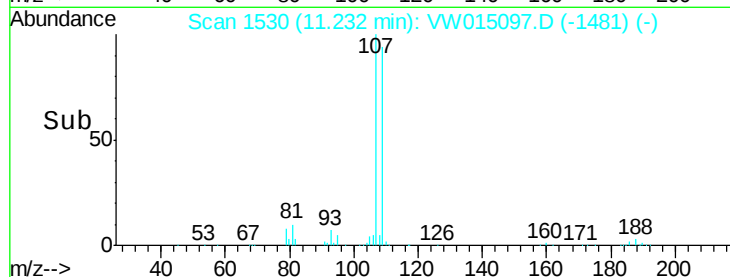
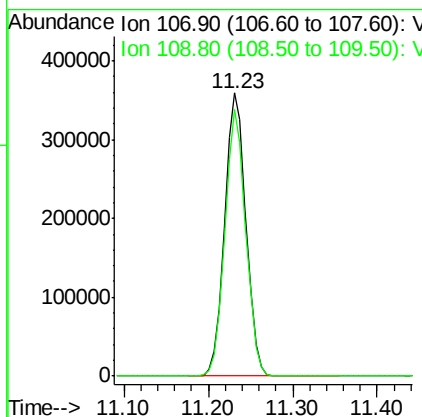
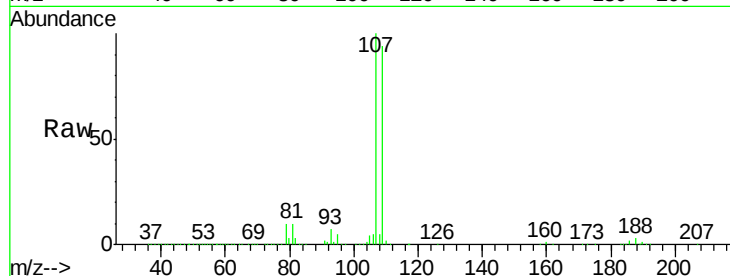
#61
 1,2-Dibromoethane
 Concen: 144.615 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.3	112.9

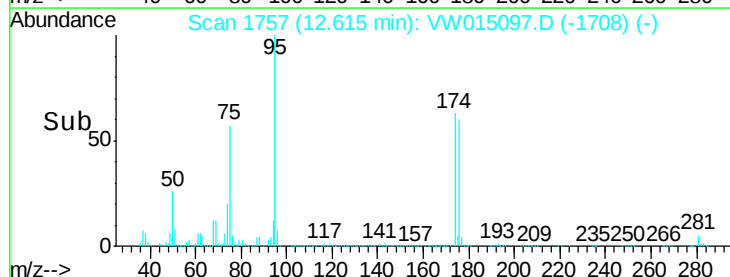
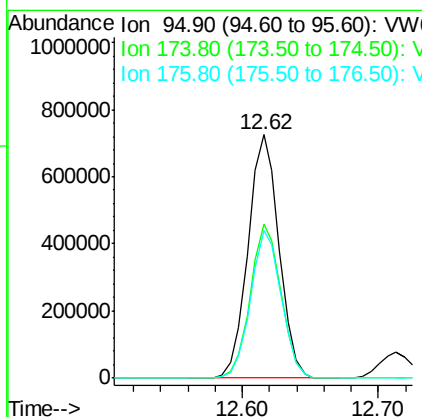
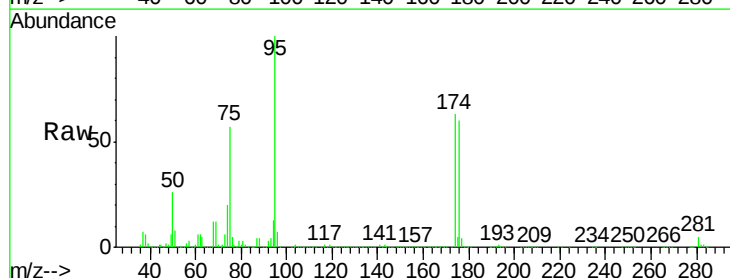
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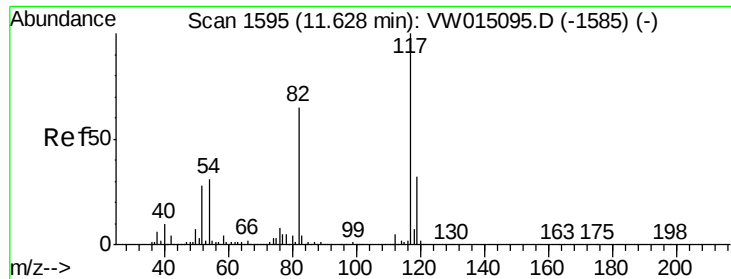
MMDadoda
 3/11/2020 3:24:02 PM



#62
 4-Bromofluorobenzene
 Concen: 149.551 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.0	0.0	126.8
176	60.2	0.0	121.6





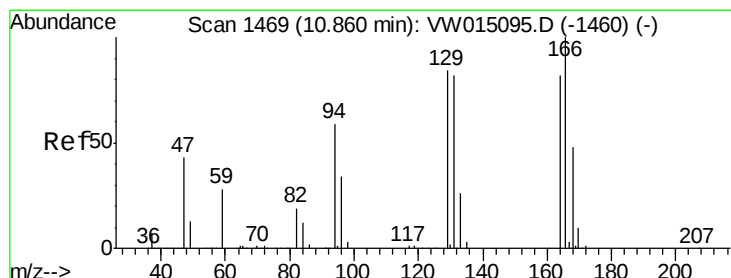
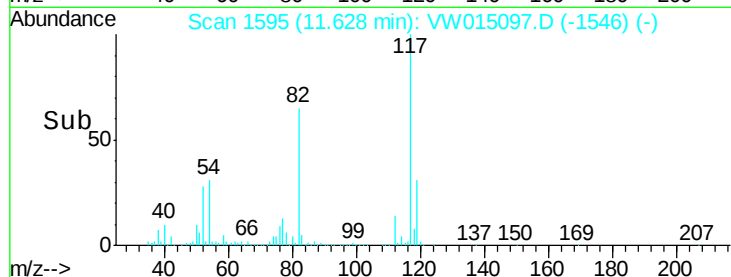
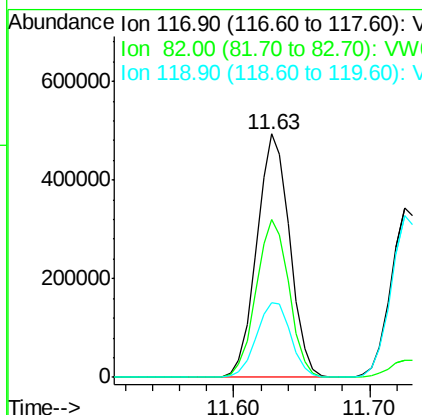
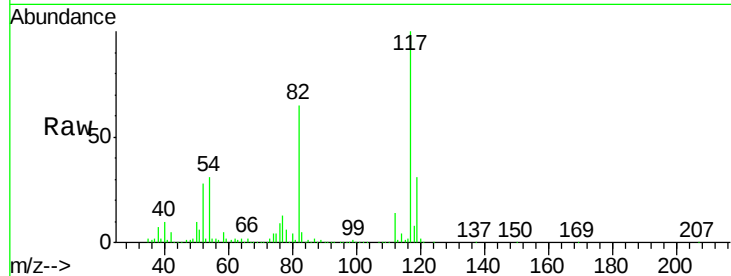
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	52.2	78.2
119	30.7	25.4	38.0

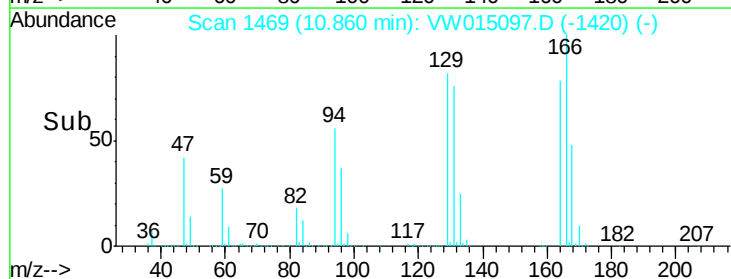
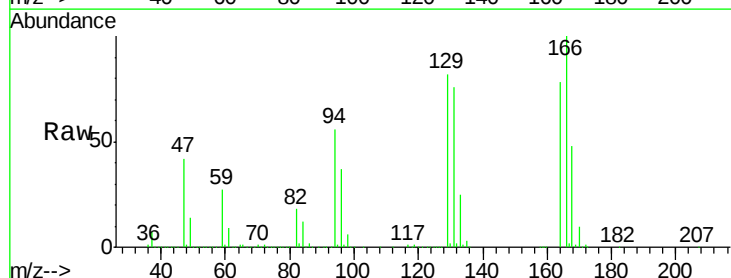
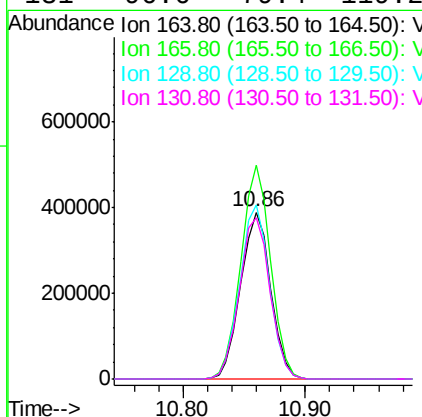
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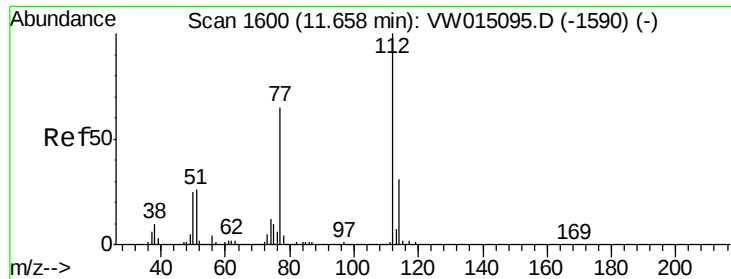
MMDadoda
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#64
Tetrachloroethene
Concen: 137.069 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	97.0	145.6
129	104.5	81.2	121.8
131	96.6	79.4	119.2





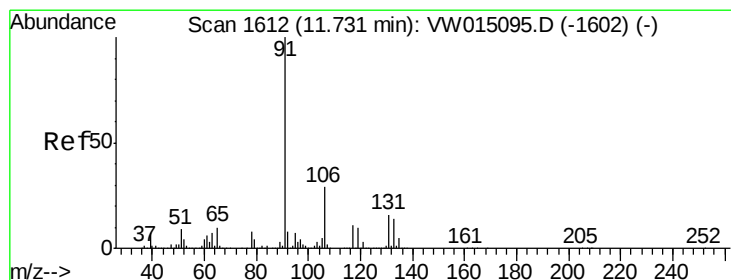
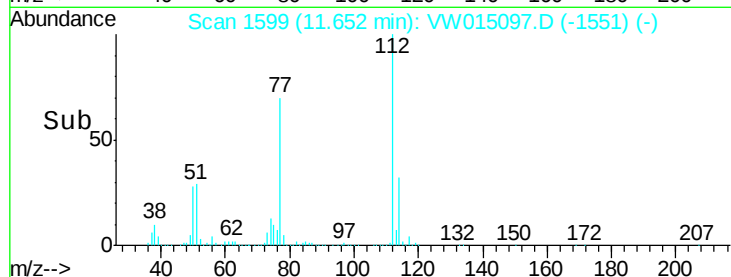
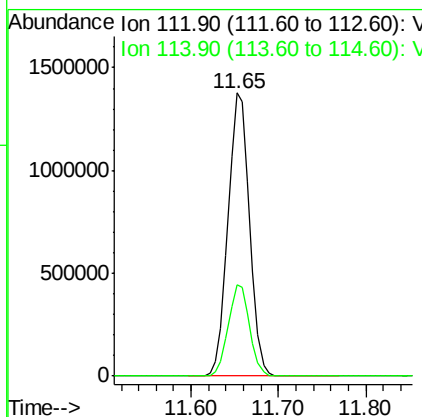
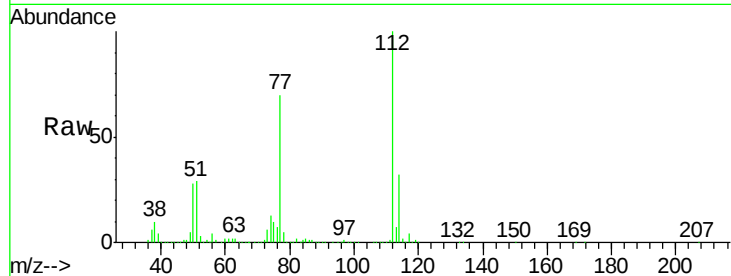
#65
Chlorobenzene
Concen: 139.704 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 2347334
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6

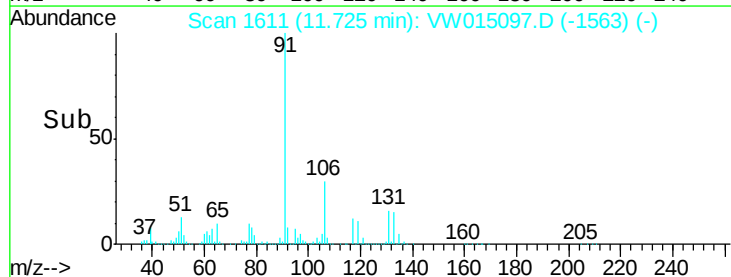
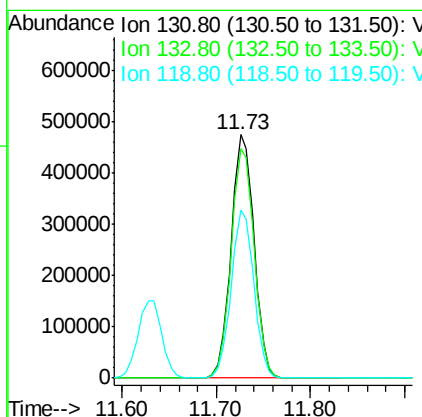
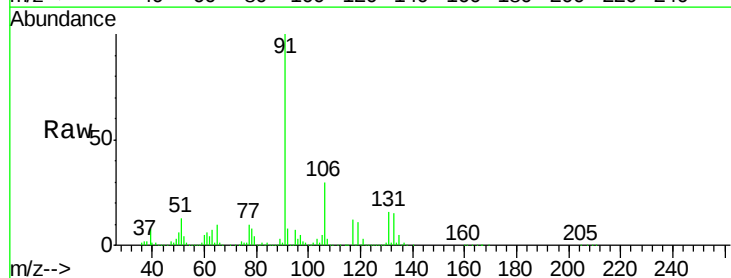
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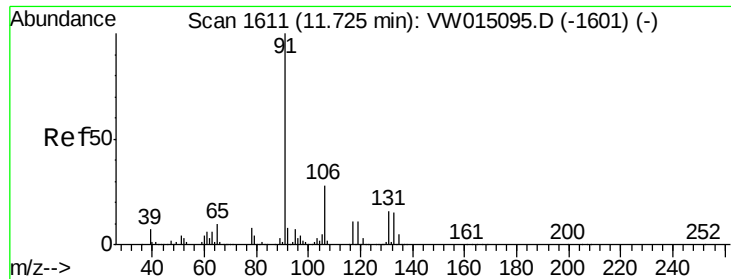
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#66
1,1,1,2-Tetrachloroethane
Concen: 143.246 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion:131 Resp: 801484
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 68.3 34.0 101.8





#67

Ethyl Benzene

Concen: 148.780 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4864527

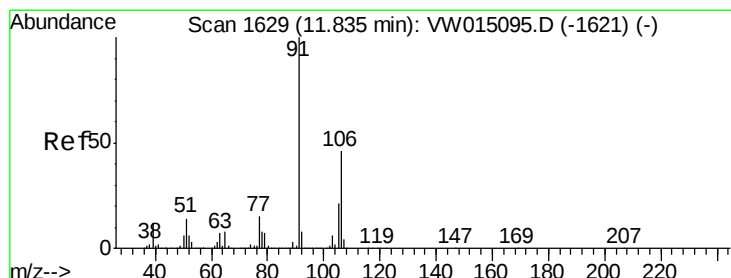
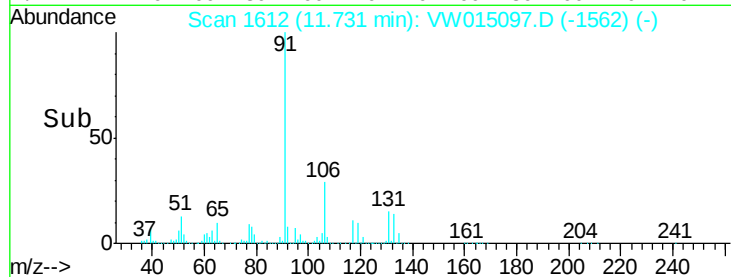
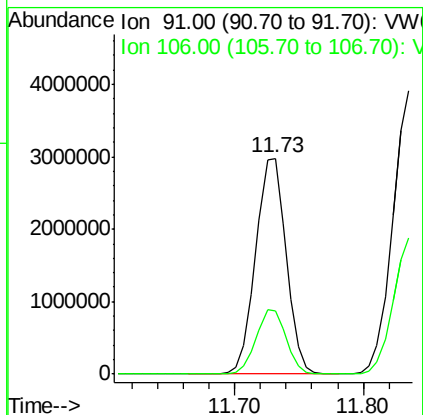
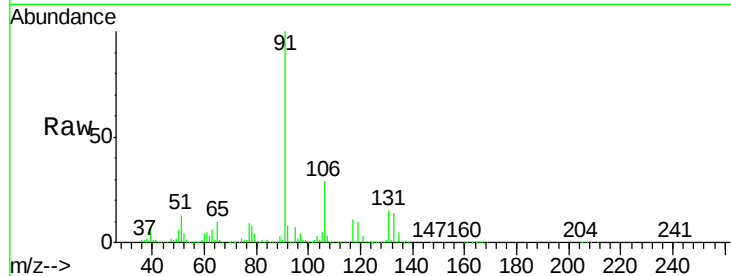
Ion Ratio Lower Upper

91 100

106 29.4 22.8 34.2

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3/11/2020 3:24:02 PM



#68

m/p-Xylenes

Concen: 298.544 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW015097.D

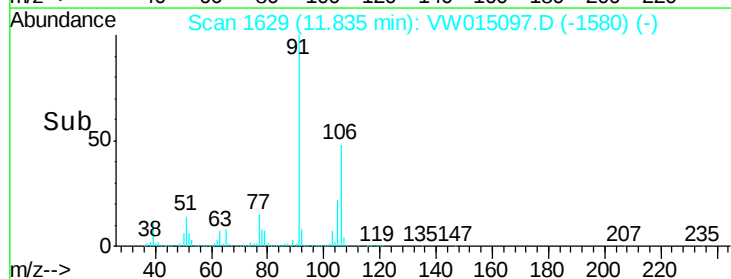
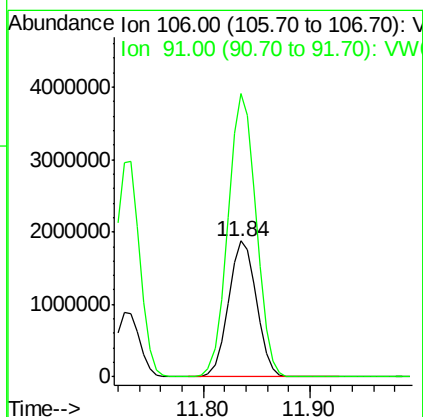
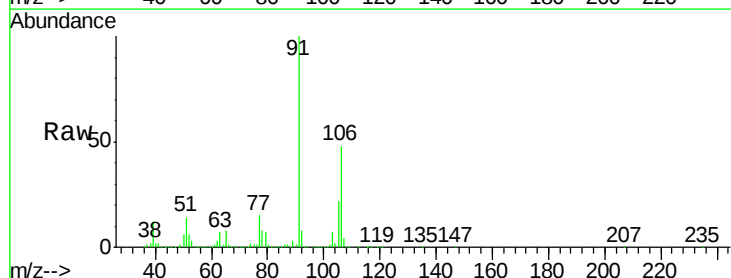
Acq: 09 Mar 2020 12:47

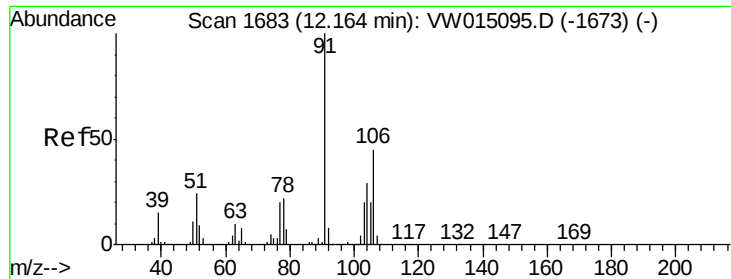
Tgt Ion:106 Resp: 3450761

Ion Ratio Lower Upper

106 100

91 209.6 172.3 258.5





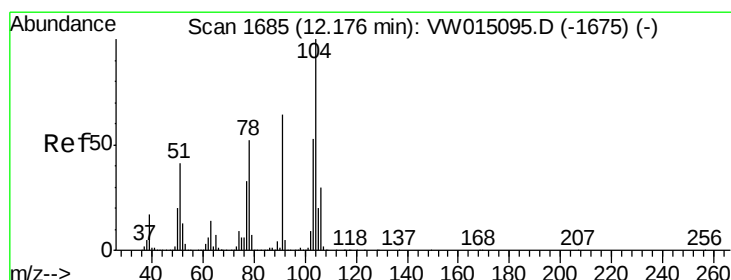
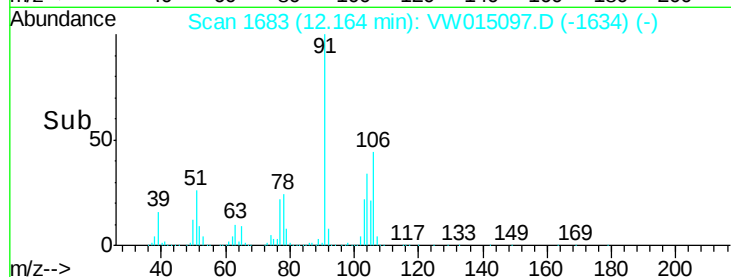
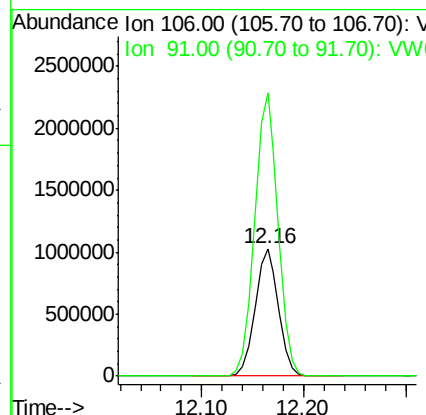
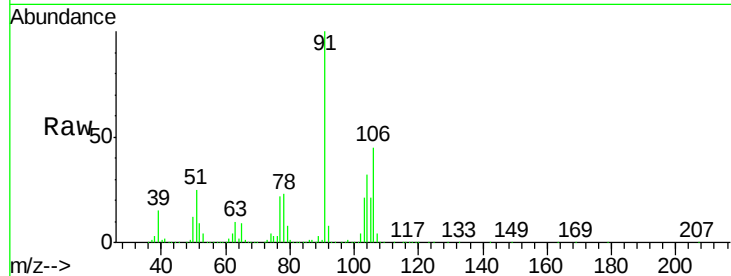
#69
o-Xylene
Concen: 156.164 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1625993
Ion Ratio Lower Upper
106 100
91 223.3 112.6 337.8

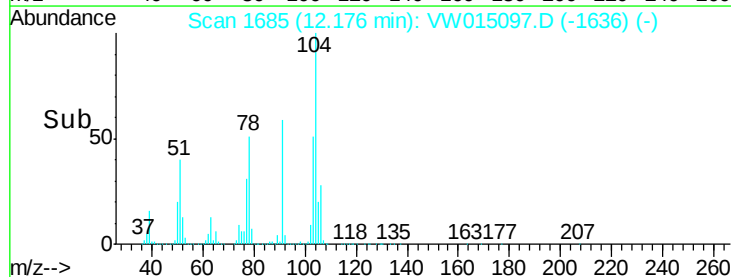
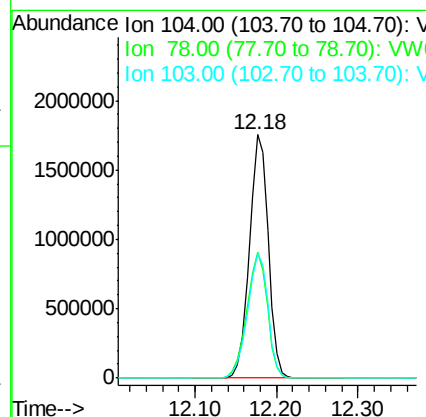
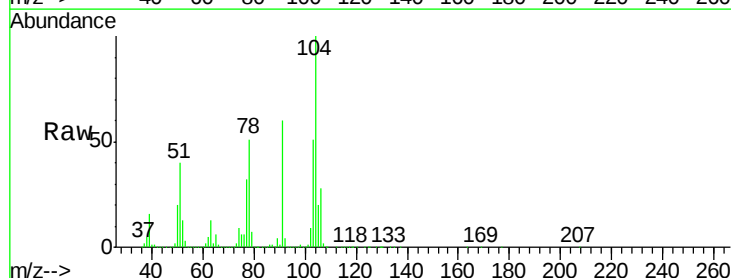
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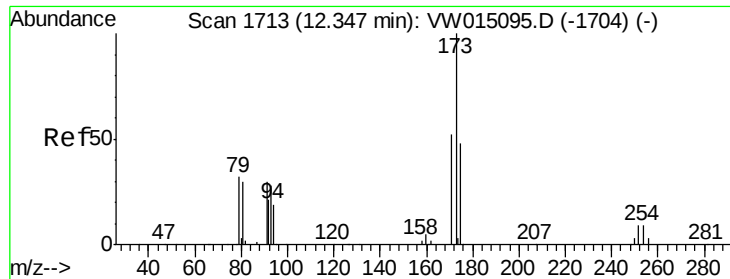
MMDadoda
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#70
Styrene
Concen: 156.846 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion:104 Resp: 2798250
Ion Ratio Lower Upper
104 100
78 56.0 44.7 67.1
103 55.3 44.7 67.1





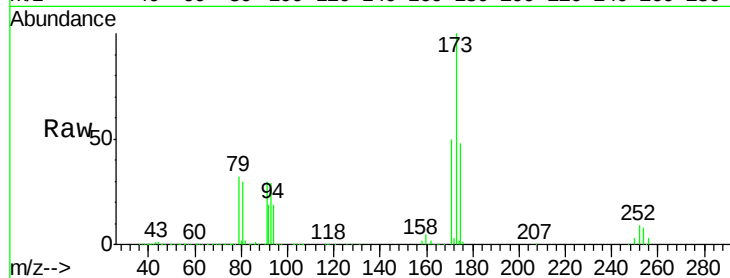
#71
Bromoform
Concen: 150.270 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.2	0.1	0.1#

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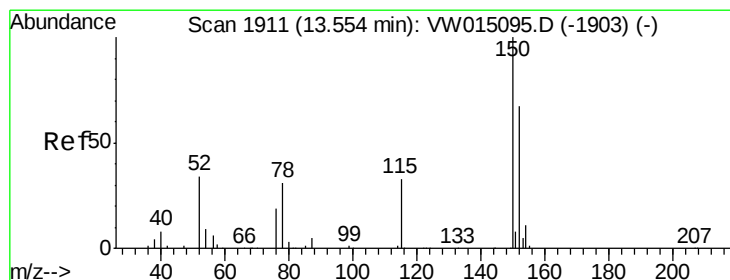
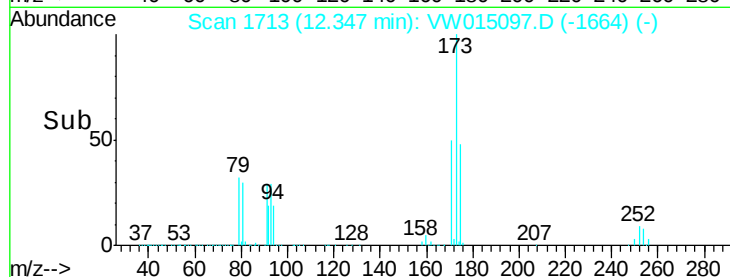
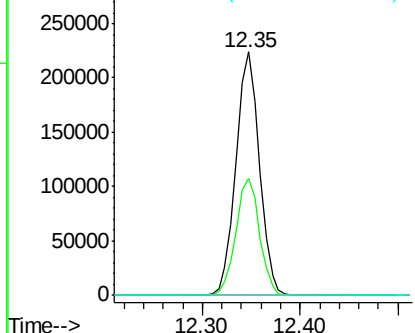


Abundance

Ion 172.70 (172.40 to 173.40): V

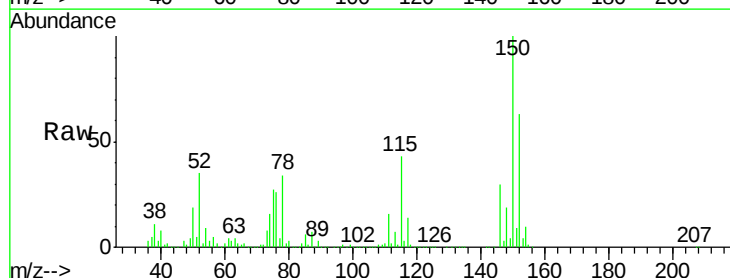
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.8	33.3	99.9
150	203.1	0.0	351.2

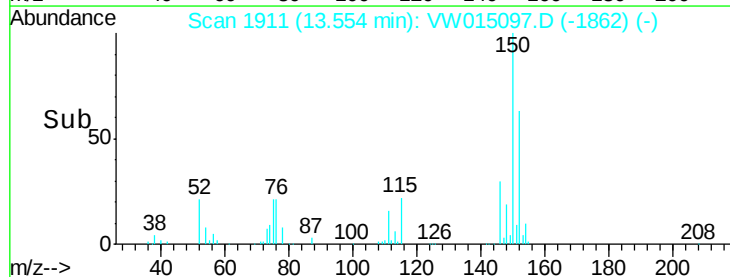
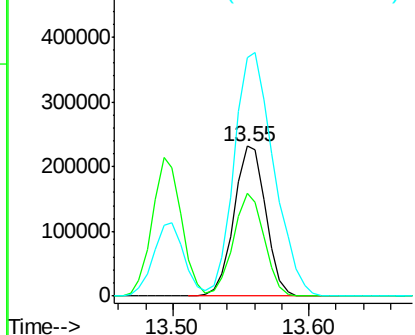


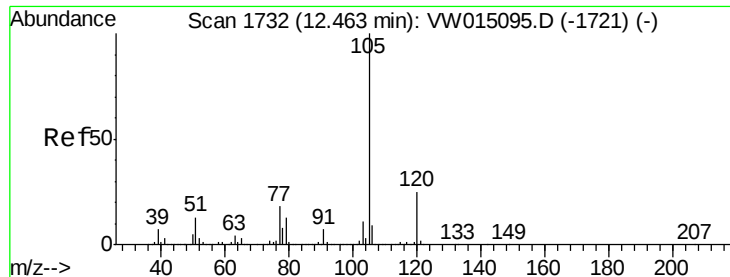
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





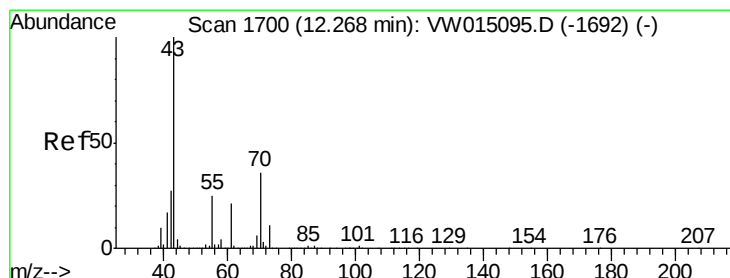
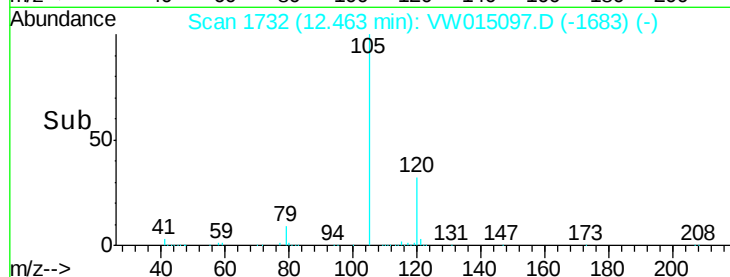
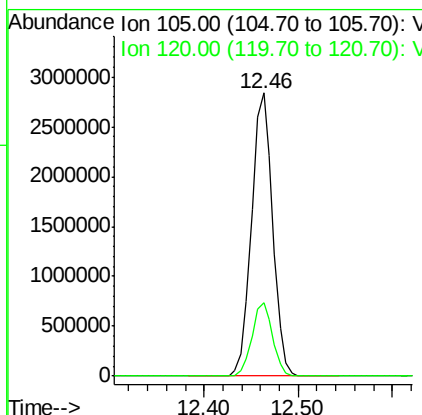
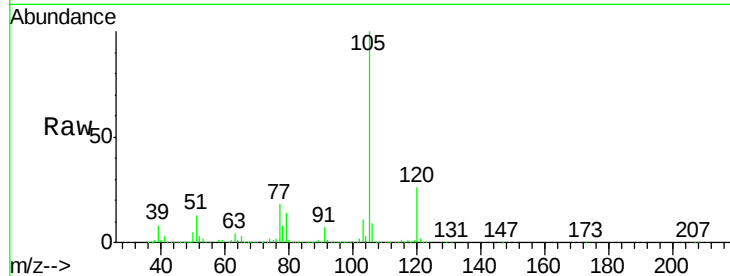
#73
Isopropylbenzene
Concen: 155.930 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 4472287
Ion Ratio Lower Upper
105 100
120 25.5 12.6 37.8

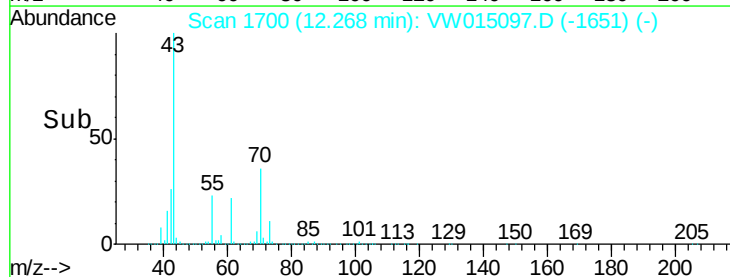
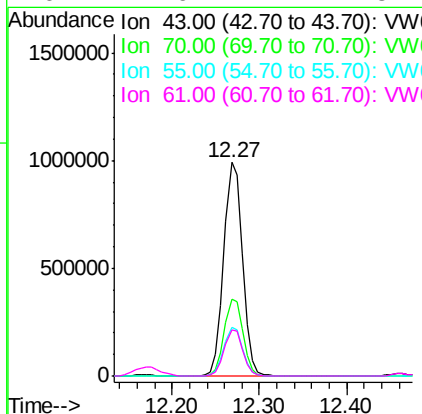
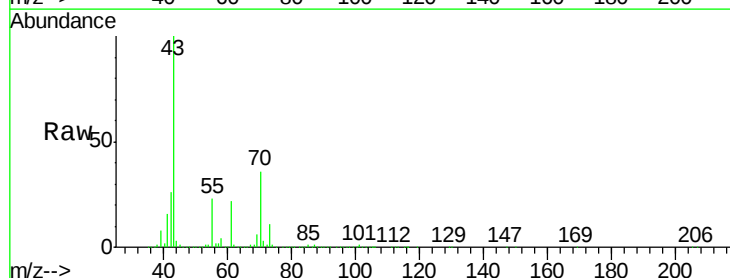
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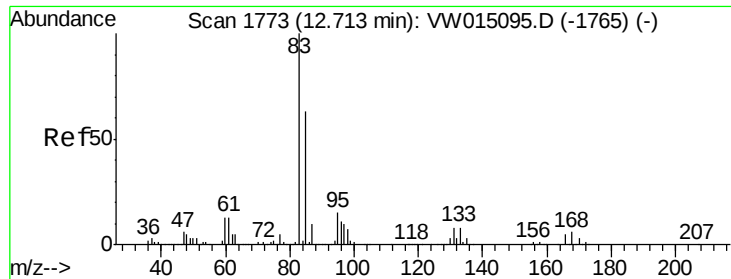
MMDadoda
3/11/2020 3:24:02 PM



#74
N-ethyl acetate
Concen: 173.288 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion: 43 Resp: 1468826
Ion Ratio Lower Upper
43 100
70 36.4 29.4 44.2
55 23.0 20.3 30.5
61 21.6 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 143.456 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

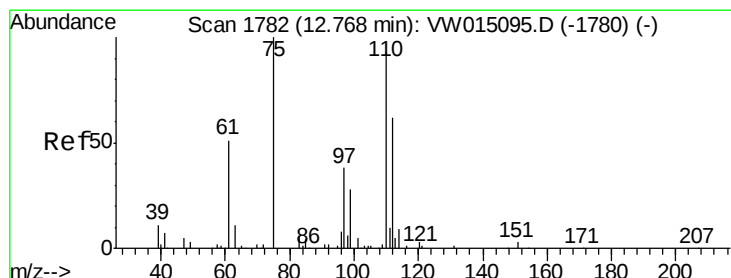
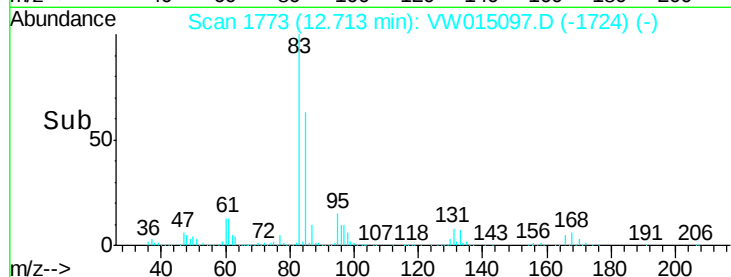
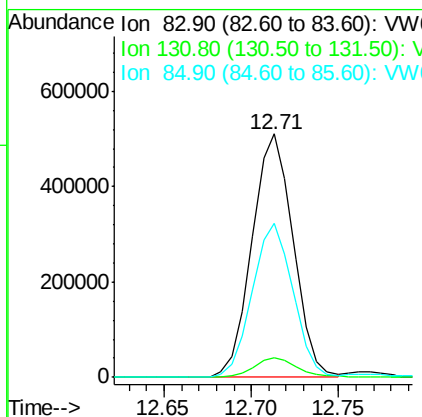
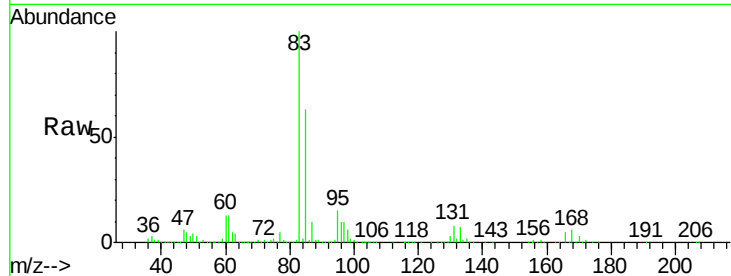
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	835496
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.3	13.1
85	62.7	31.5	94.5

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#76

1,2,3-Trichloropropane

Concen: 92.886 ug/l m

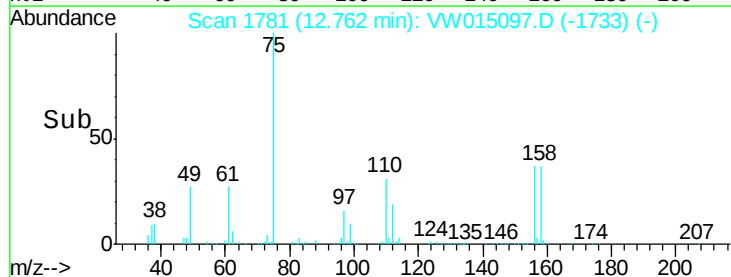
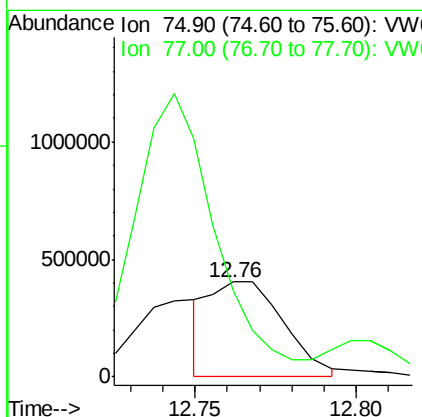
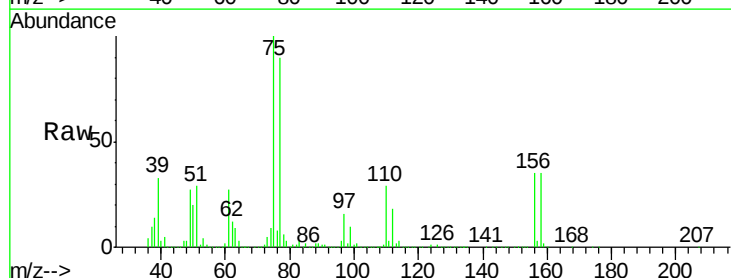
RT: 12.76 min Scan# 1781

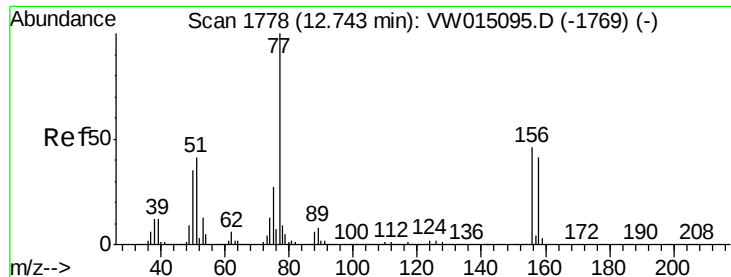
Delta R.T. -0.01 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Tgt Ion:	75	Resp:	646335
Ion Ratio	Lower	Upper	
75	100		
77	333.7	0.0	0.0#





#77

Bromobenzene

Concen: 145.637 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 825608

Ion Ratio Lower Upper

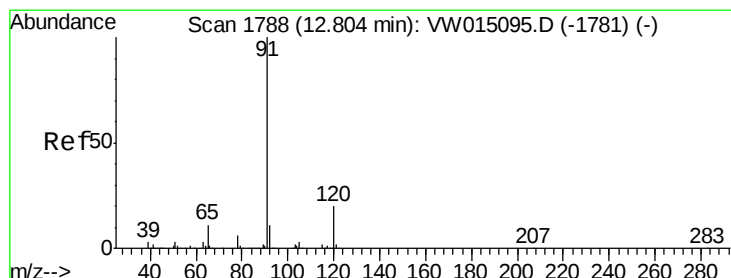
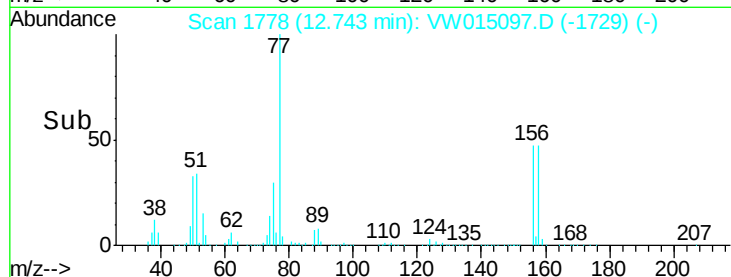
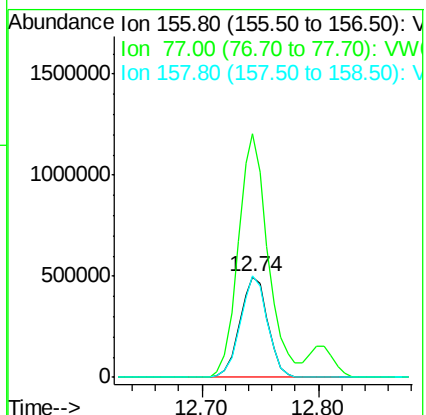
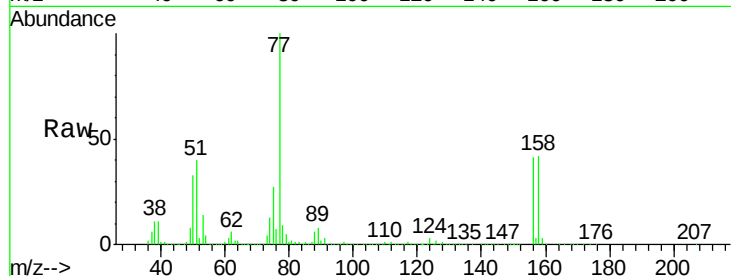
156 100

77 261.3 126.6 379.8

158 98.0 47.4 142.2

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#78

n-propylbenzene

Concen: 152.862 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015097.D

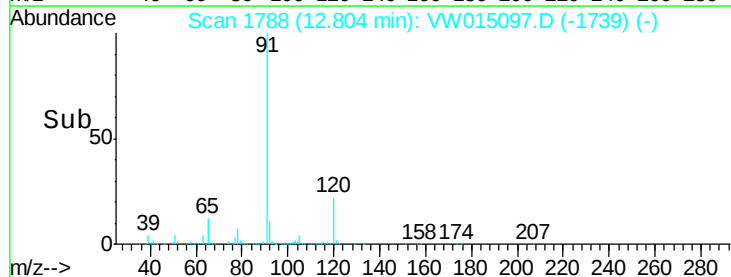
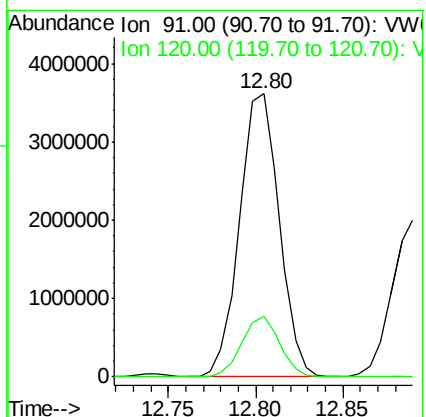
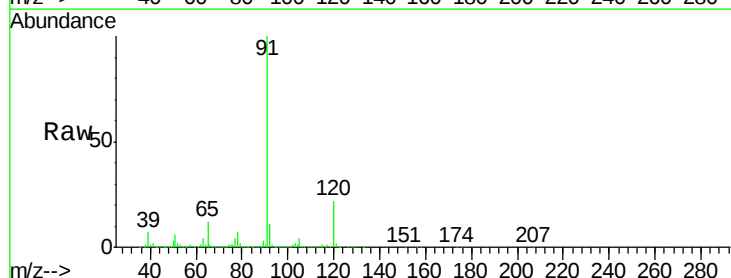
Acq: 09 Mar 2020 12:47

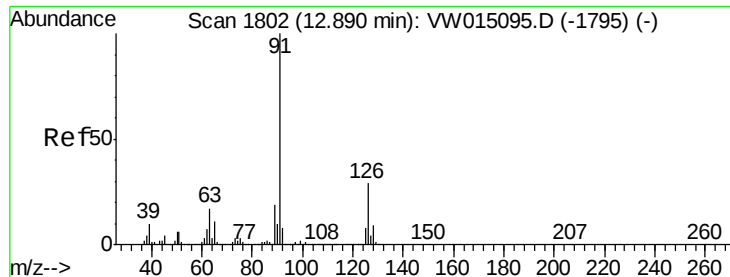
Tgt Ion: 91 Resp: 5697825

Ion Ratio Lower Upper

91 100

120 20.5 10.2 30.4





#79

2-Chlorotoluene

Concen: 151.363 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3172091

Ion Ratio Lower Upper

91 100

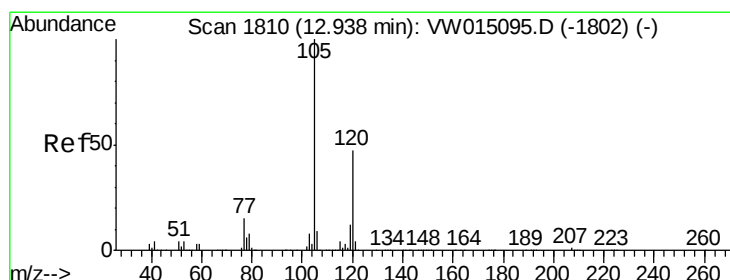
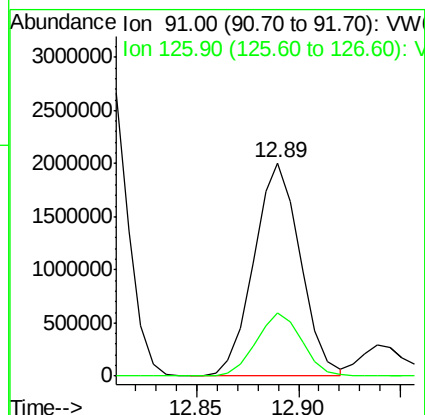
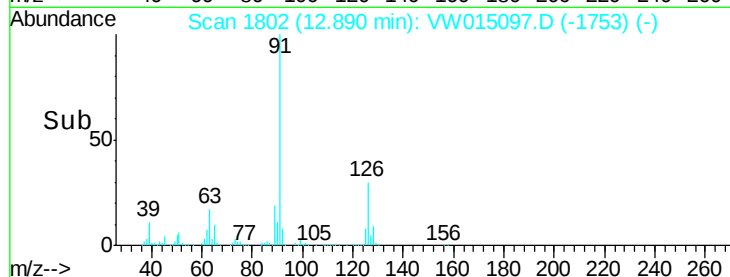
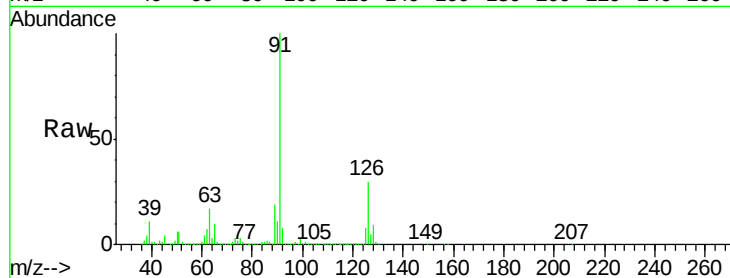
126 29.4 14.5 43.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 153.376 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW015097.D

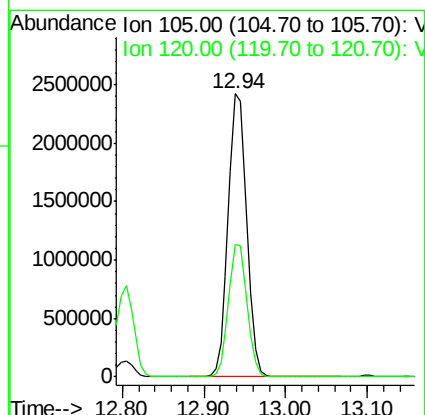
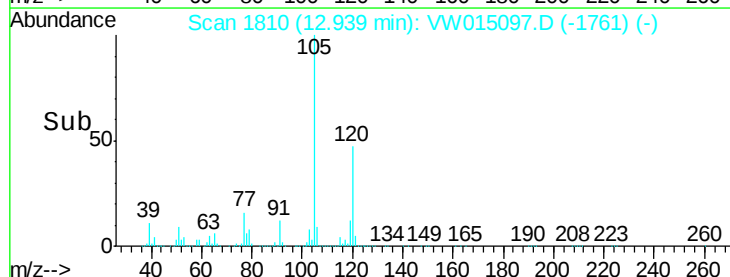
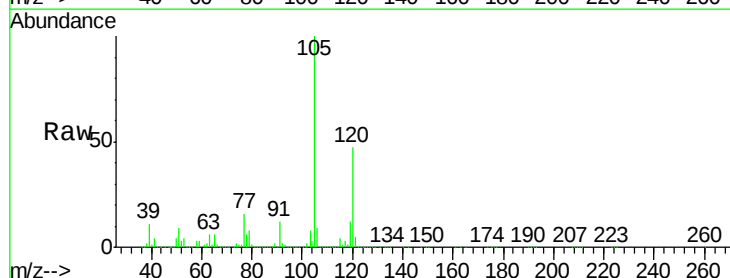
Acq: 09 Mar 2020 12:47

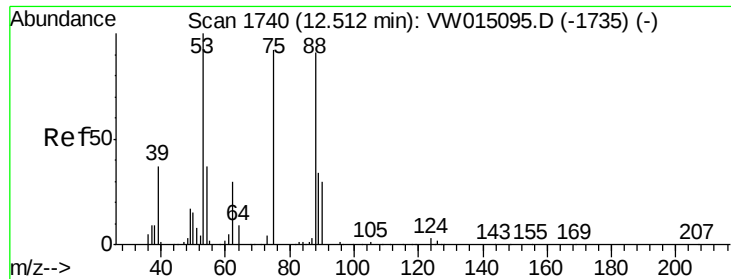
Tgt Ion: 105 Resp: 3782369

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8





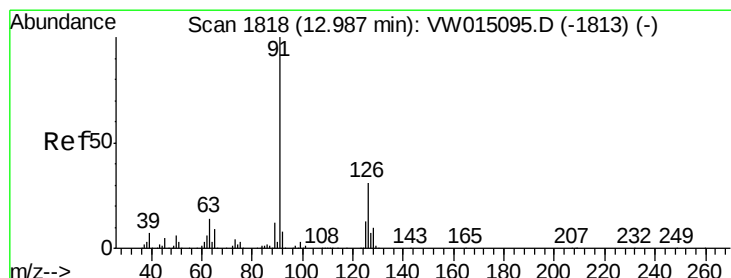
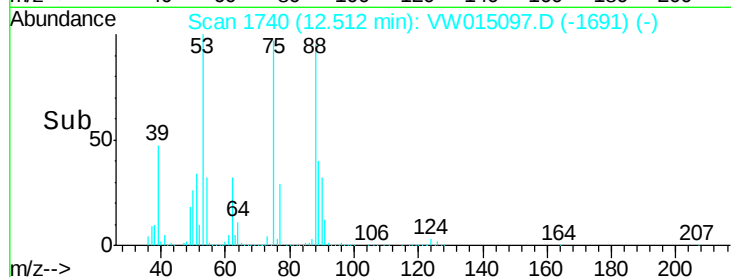
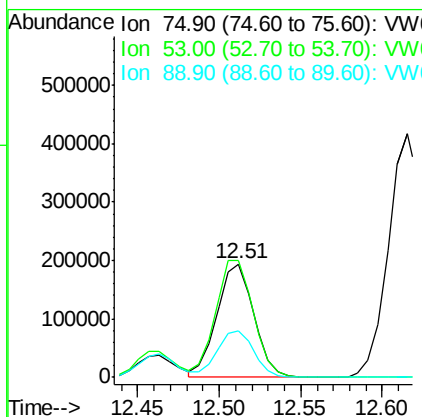
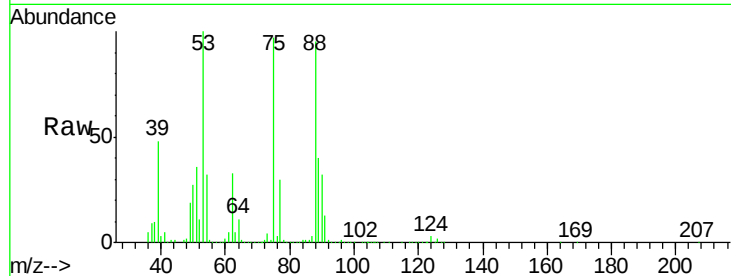
#81
trans-1,4-Dichloro-2-butene
Concen: 161.118 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.9	88.4	132.6
89	42.3	33.1	49.7

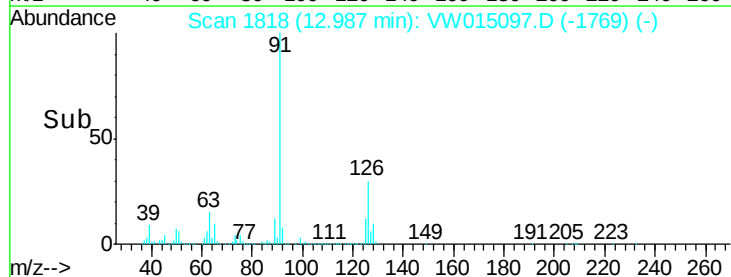
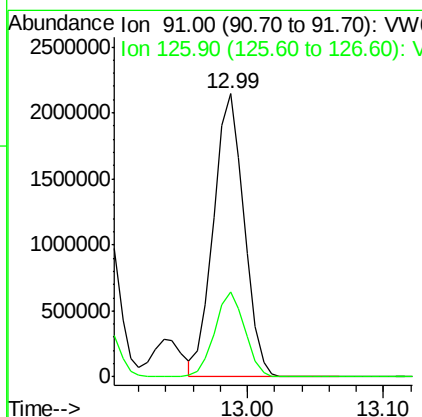
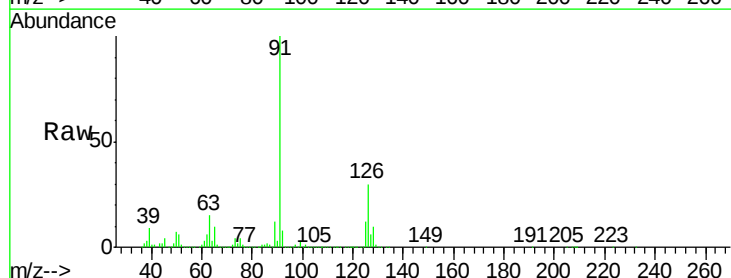
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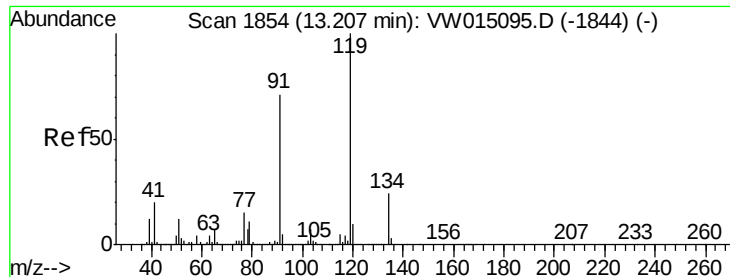
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#82
4-Chlorotoluene
Concen: 148.952 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.8	44.4





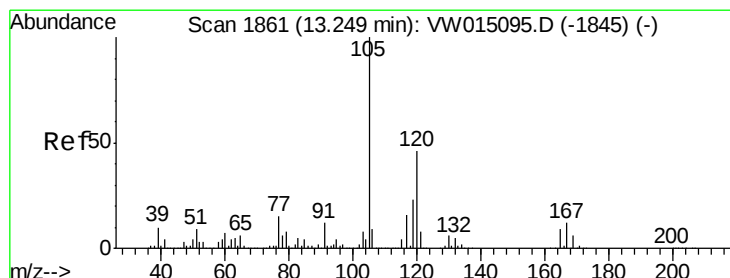
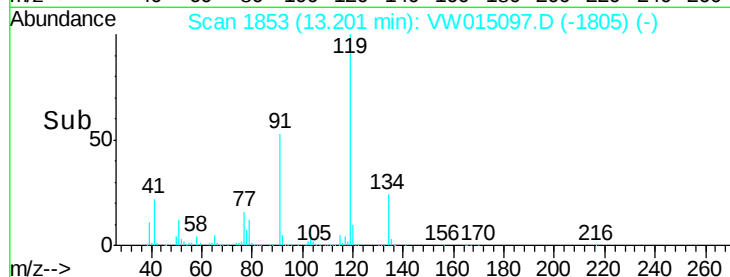
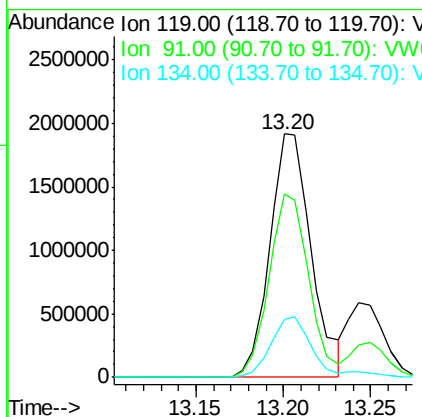
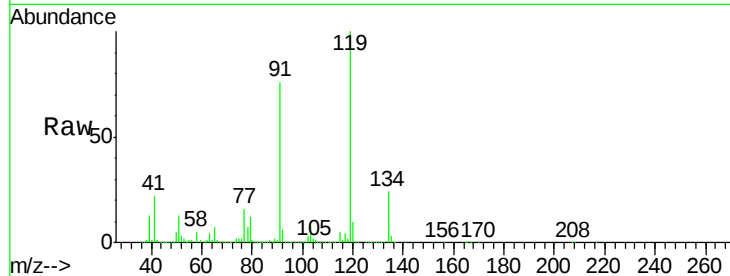
#83
tert-Butylbenzene
Concen: 158.923 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 3175002
Ion Ratio Lower Upper
119 100
91 72.6 35.7 107.1
134 25.6 12.7 38.1

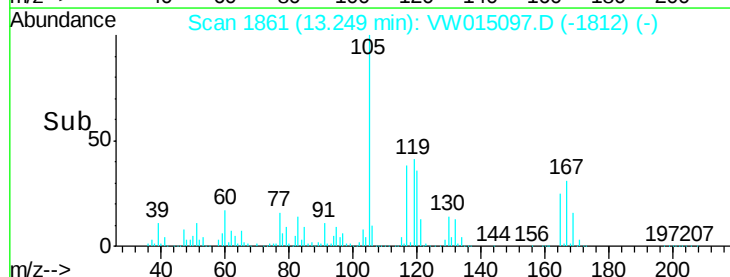
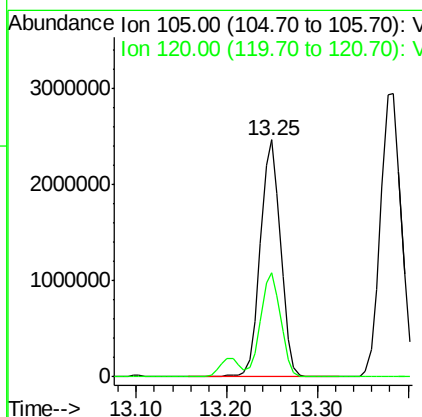
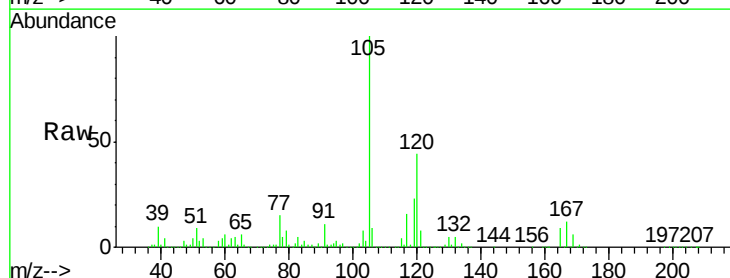
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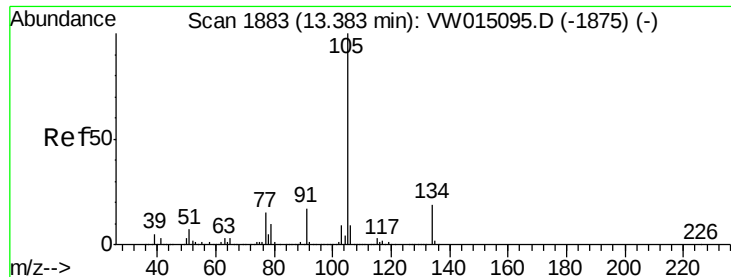
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 154.130 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion:105 Resp: 3800572
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.3





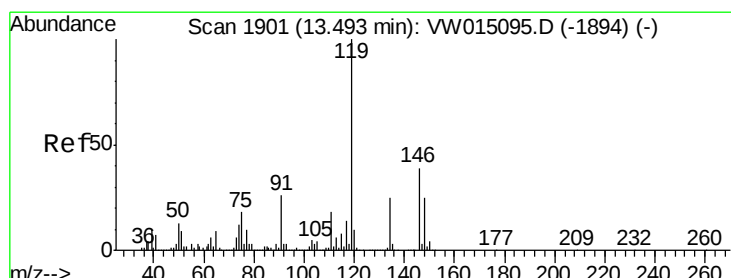
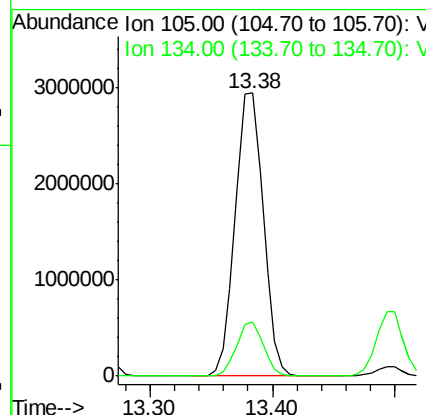
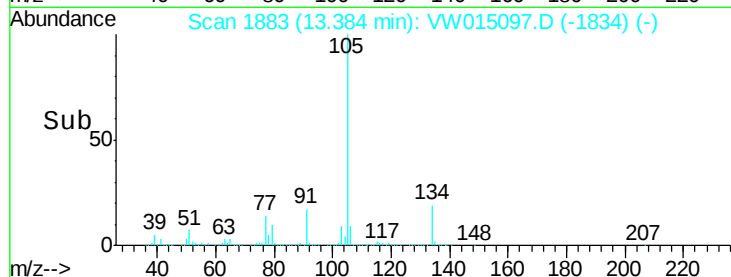
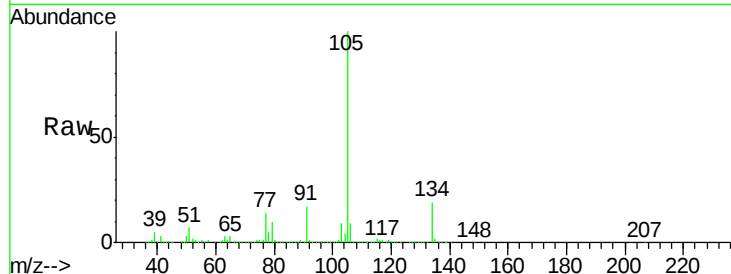
#85
 sec-Butylbenzene
 Concen: 154.711 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 4677737
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.0 27.1

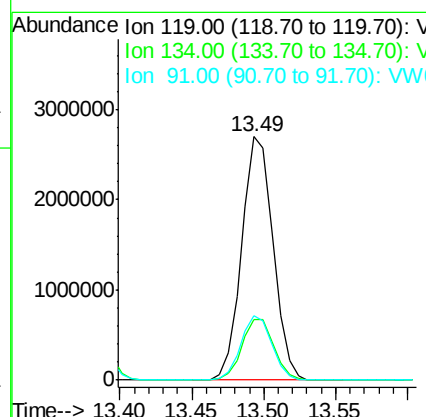
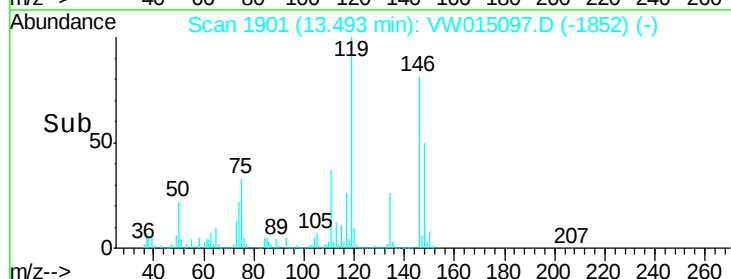
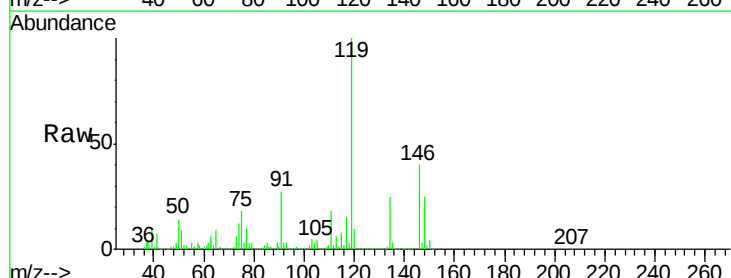
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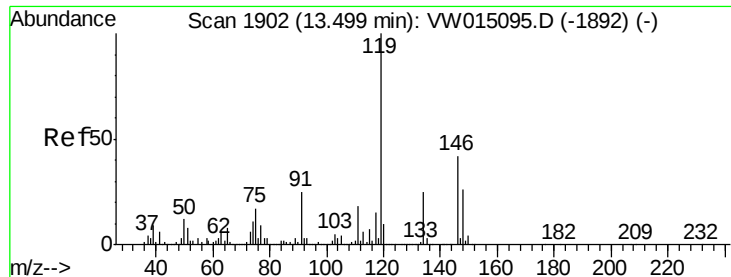
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 3/11/2020 3:24:02 PM



#86
 p-Isopropyltoluene
 Concen: 157.204 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion:119 Resp: 4085628
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.6 37.8
 91 26.2 12.9 38.6





#87

1,3-Dichlorobenzene

Concen: 144.038 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:146 Resp: 1730097

Ion Ratio Lower Upper

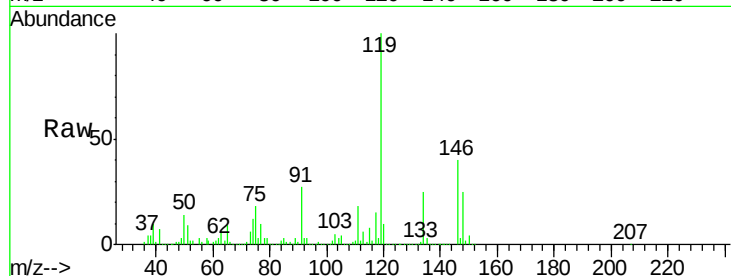
146 100

111 45.2 22.5 67.5

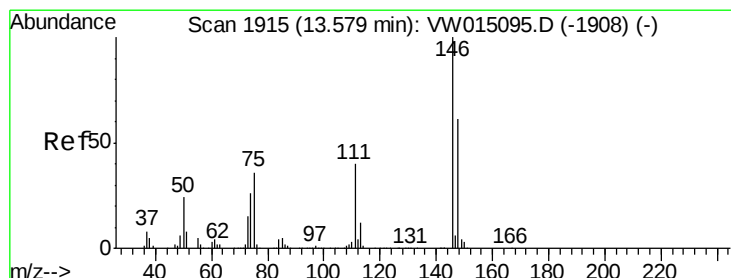
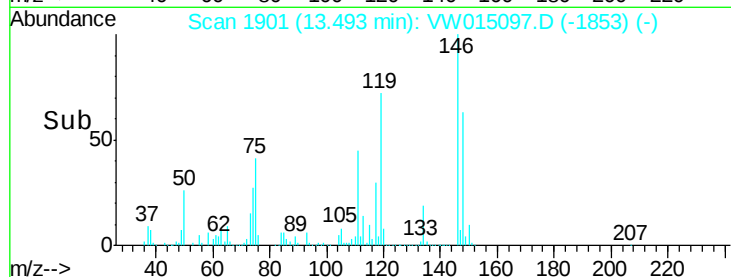
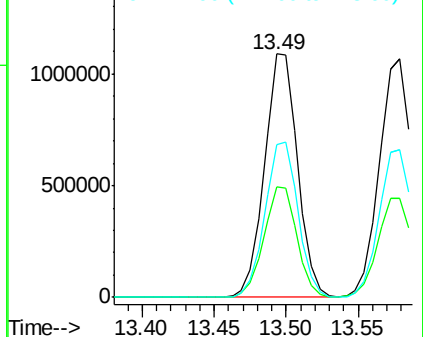
148 63.9 31.9 95.9

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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



#88

1,4-Dichlorobenzene

Concen: 142.658 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

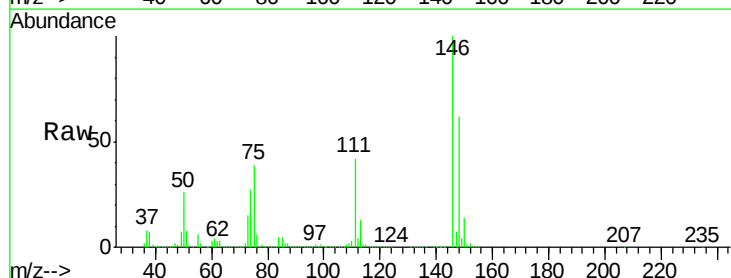
Tgt Ion:146 Resp: 1687233

Ion Ratio Lower Upper

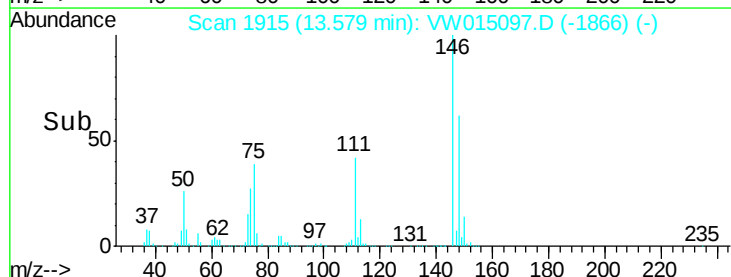
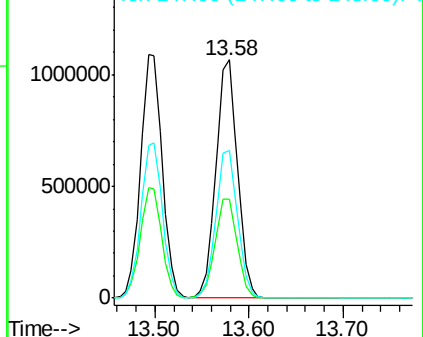
146 100

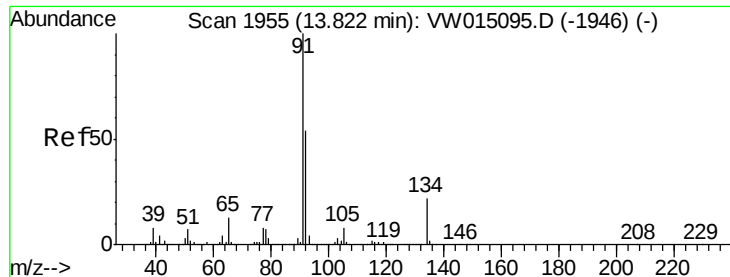
111 43.0 21.3 63.9

148 62.8 31.6 94.8



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





#89

n-Butylbenzene

Concen: 157.634 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015097.D

Acq: 09 Mar 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4418188

Ion Ratio Lower Upper

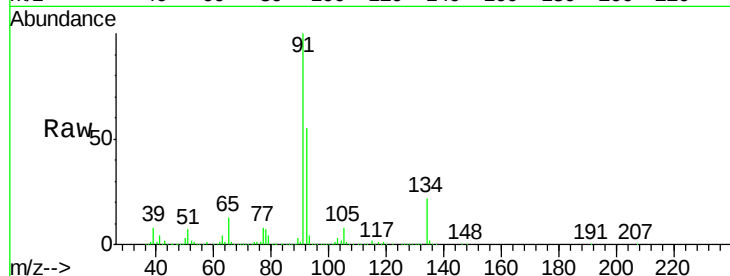
91 100

92 54.7 26.8 80.3

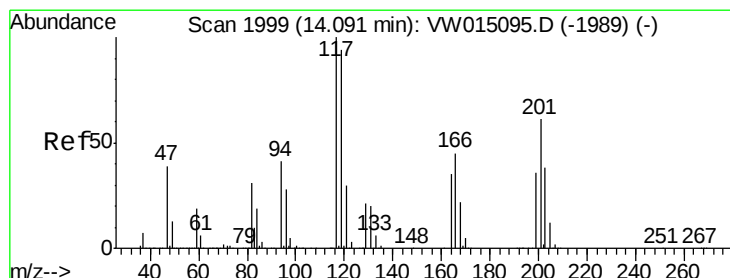
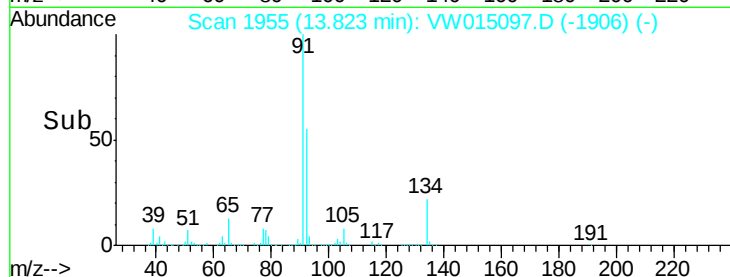
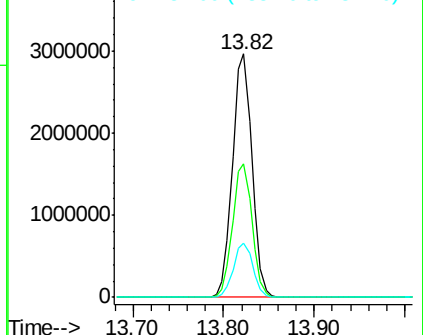
134 22.1 10.8 32.4

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3/11/2020 3:24:02 PM



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 150.142 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015097.D

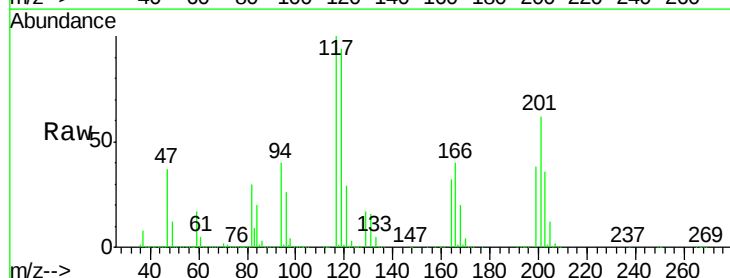
Acq: 09 Mar 2020 12:47

Tgt Ion: 117 Resp: 782575

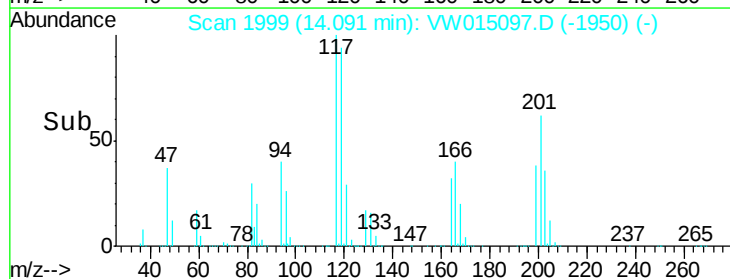
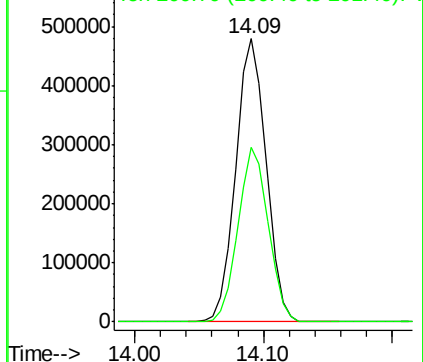
Ion Ratio Lower Upper

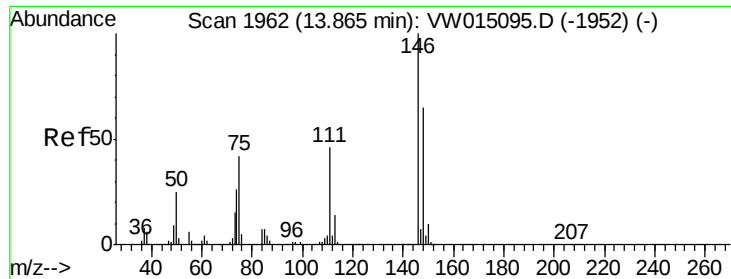
117 100

201 61.2 30.3 90.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





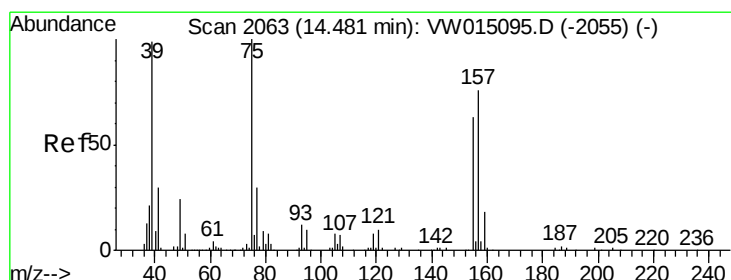
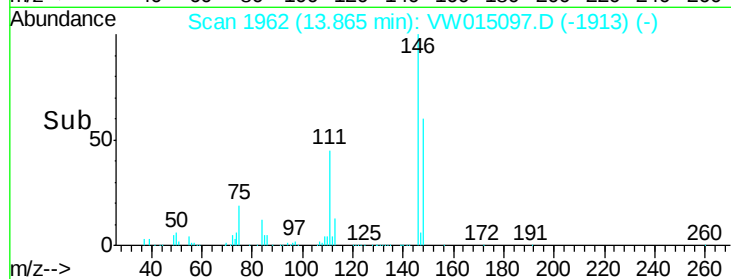
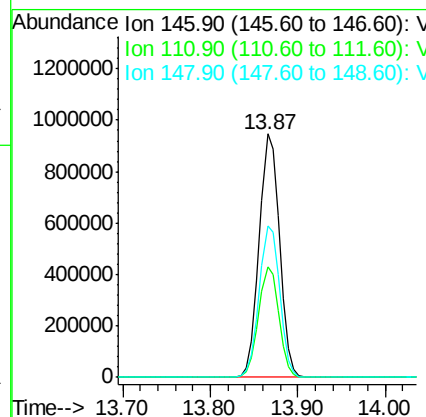
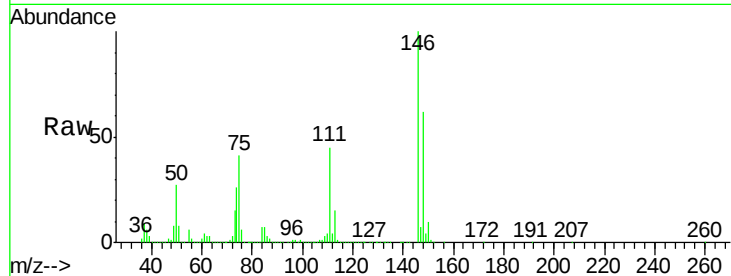
#91
 1,2-Dichlorobenzene
 Concen: 144.953 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.1	69.2
148	63.0	32.3	96.9

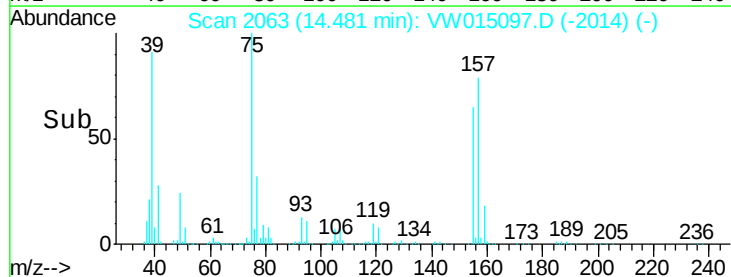
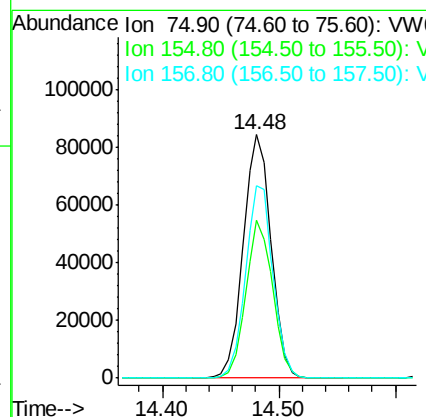
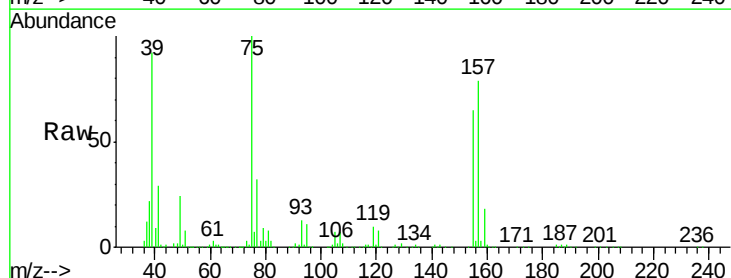
Manual Integrations
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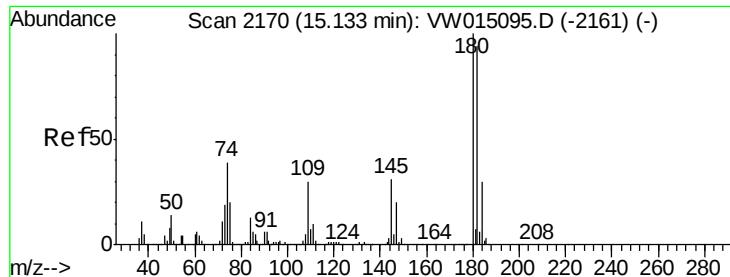
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 150.717 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.4	32.1	96.3
157	78.0	39.6	118.7





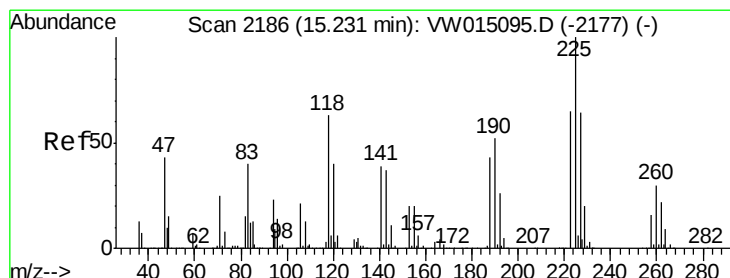
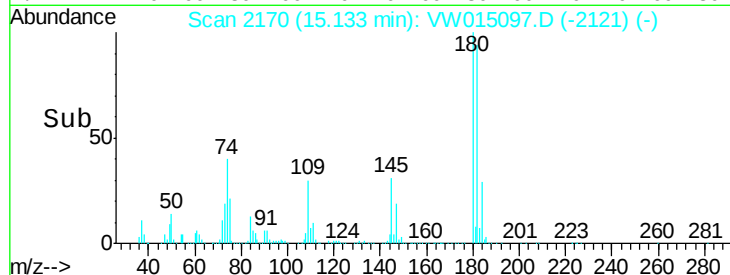
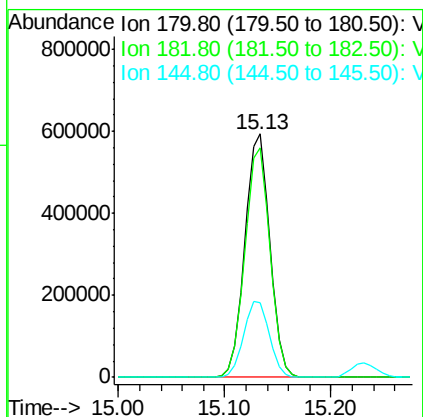
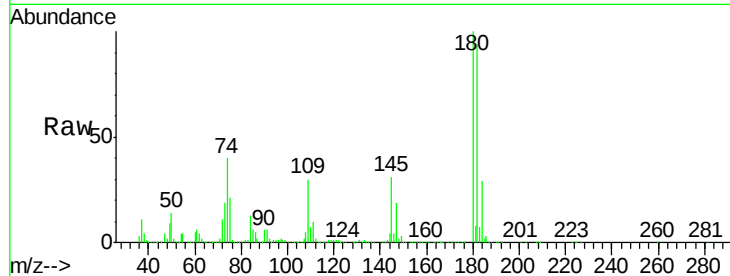
#93
 1,2,4-Trichlorobenzene
 Concen: 162.666 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	979242		
182	94.8	47.6	142.9	
145	32.4	16.2	48.5	

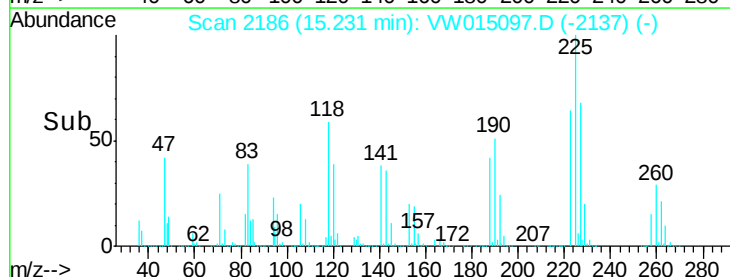
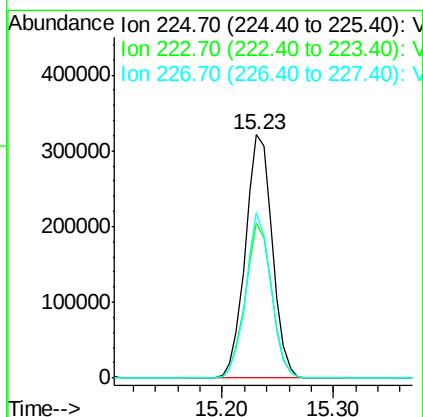
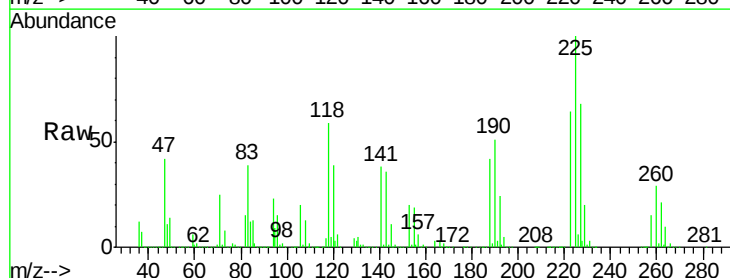
Manual Integrations
 APPROVED

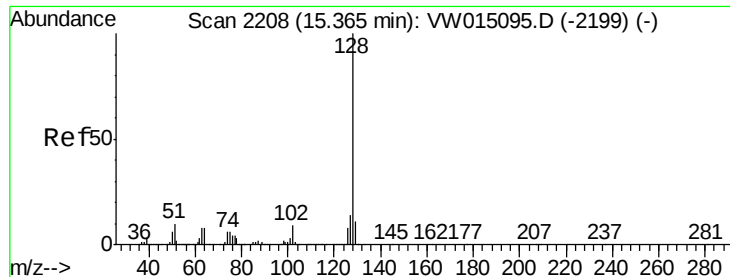
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#94
 Hexachlorobutadiene
 Concen: 142.217 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW015097.D
 Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	537527		
223	62.6	32.5	97.4	
227	63.7	33.0	99.0	





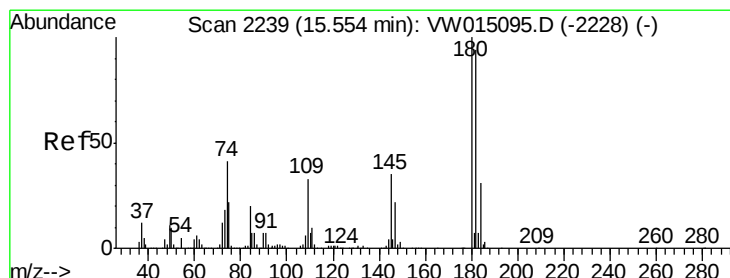
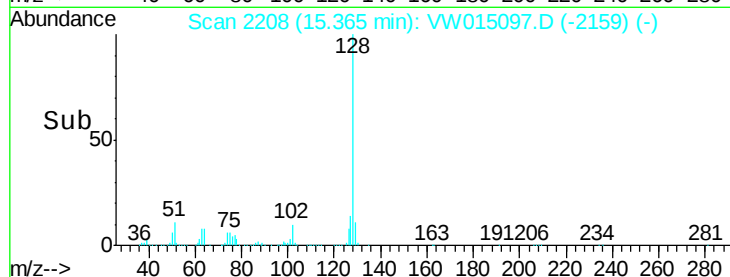
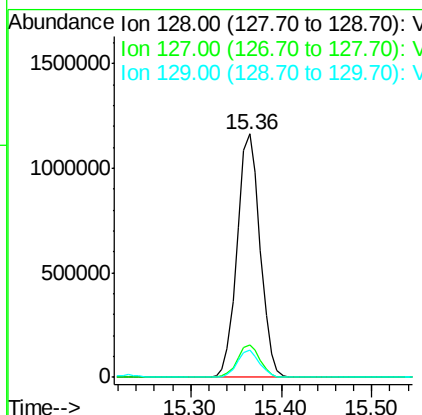
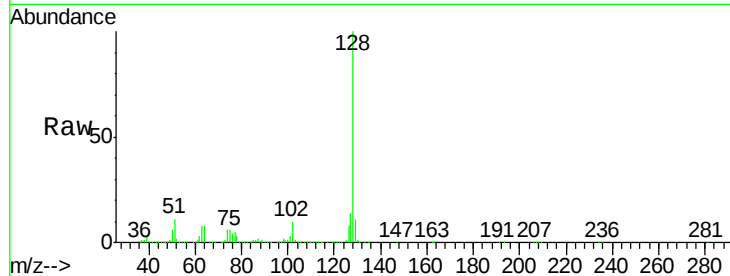
#95
Naphthalene
Concen: 181.344 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 159.076 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015097.D
Acq: 09 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.7
145	34.5	17.5	52.6

