

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015401.D
 Acq On : 05 May 2020 17:51
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:12:03 PM

Quant Time: May 05 18:40:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	253453	128.63	ug/l	0.00
Spiked Amount						
			Recovery	=	257.26%	
35) Dibromofluoromethane	7.88	113	220140	104.64	ug/l	0.00
Spiked Amount						
			Recovery	=	209.28%	
50) Toluene-d8	10.32	98	908747	102.90	ug/l	0.00
Spiked Amount						
			Recovery	=	205.80%	
62) 4-Bromofluorobenzene	12.62	95	339172	101.23	ug/l	0.00
Spiked Amount						
			Recovery	=	202.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	145089	83.919	ug/l	99
3) Chloromethane	2.21	50	167444	88.228	ug/l	99
4) Vinyl Chloride	2.37	62	247549	105.218	ug/l	99
5) Bromomethane	2.78	94	187525	111.869	ug/l	92
6) Chloroethane	2.92	64	167387	112.775	ug/l	98
7) Trichlorofluoromethane	3.26	101	185808	60.467	ug/l	99
8) Diethyl Ether	3.68	74	113161	118.431	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	213841	103.949	ug/l	99
10) Methyl Iodide	4.27	142	324906	142.937	ug/l	100
11) Tert butyl alcohol	5.19	59	69424	450.705	ug/l	99
12) 1,1-Dichloroethene	4.03	96	220068	109.734	ug/l	97
13) Acrolein	3.89	56	92147	934.592	ug/l	100
14) Allyl chloride	4.67	41	390245	139.360	ug/l	99
15) Acrylonitrile	5.37	53	241682	648.579	ug/l	100
16) Acetone	4.13	43	198569	589.996	ug/l	98
17) Carbon Disulfide	4.38	76	677418	113.558	ug/l	99
18) Methyl Acetate	4.67	43	104685	116.673	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	347888	80.187	ug/l	99
20) Methylene Chloride	4.92	84	231928	106.237	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	248456	109.479	ug/l	98
22) Diisopropyl ether	6.31	45	760787	140.821	ug/l	99
23) Vinyl Acetate	6.26	43	2351261	734.930	ug/l	99
24) 1,1-Dichloroethane	6.21	63	451013	124.149	ug/l	100
25) 2-Butanone	7.17	43	311612	672.155	ug/l	99
26) 2,2-Dichloropropane	7.17	77	281998	79.599	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	271414	110.563	ug/l	99
28) Bromochloromethane	7.51	49	179628	134.114	ug/l	99
29) Tetrahydrofuran	7.53	42	206340	703.834	ug/l	99
30) Chloroform	7.68	83	449619	116.612	ug/l	98
31) Cyclohexane	7.96	56	423592	115.717	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	370472	101.444	ug/l	99
36) 1,1-Dichloropropene	8.08	75	365577	104.871	ug/l	100
37) Ethyl Acetate	7.25	43	148194	125.878	ug/l	98
38) Carbon Tetrachloride	8.07	117	344424	92.458	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	461002	100.210	ug/l	99
40) Benzene	8.32	78	997941	107.257	ug/l	98
41) Methacrylonitrile	7.48	41	97416	137.326	ug/l	94
42) 1,2-Dichloroethane	8.40	62	306600	110.807	ug/l	100
43) Isopropyl Acetate	8.43	43	309009	126.301	ug/l	99
44) Trichloroethene	9.09	130	259624	93.486	ug/l	97
45) 1,2-Dichloropropane	9.37	63	248748	113.520	ug/l	100
46) Dibromomethane	9.46	93	125865	101.668	ug/l	99
47) Bromodichloromethane	9.65	83	345375	103.967	ug/l	97
48) Methyl methacrylate	9.43	41	146837	127.568	ug/l	99
49) 1,4-Dioxane	9.46	88	31991	1957.757	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	737932	640.029	ug/l	99
52) Toluene	10.39	92	653737	101.501	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	357744	108.811	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	414656	108.193	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	176663	101.877	ug/l	95
56) Ethyl methacrylate	10.65	69	251272	111.129	ug/l	98
57) 1,3-Dichloropropane	10.93	76	318951	109.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	603734	573.787	ug/l	100
59) 2-Hexanone	10.97	43	502807	617.434	ug/l	100
60) Dibromochloromethane	11.13	129	218869	96.988	ug/l	99
61) 1,2-Dibromoethane	11.24	107	172421	102.307	ug/l	99
64) Tetrachloroethene	10.86	164	211470	87.327	ug/l	93
65) Chlorobenzene	11.66	112	668176	98.347	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	241221	98.940	ug/l	99
67) Ethyl Benzene	11.73	91	1291783	101.547	ug/l	98
68) m/p-Xylenes	11.84	106	979873	198.572	ug/l	97
69) o-Xylene	12.16	106	453567	98.123	ug/l	100
70) Styrene	12.18	104	802493	101.690	ug/l	100
71) Bromoform	12.35	173	122622	90.679	ug/l #	98
73) Isopropylbenzene	12.46	105	1265872	103.981	ug/l	99
74) N-amyl acetate	12.27	43	310875	139.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	204232	115.589	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	137712m	98.964	ug/l	
77) Bromobenzene	12.74	156	266011	96.944	ug/l	99
78) n-propylbenzene	12.80	91	1500404	105.428	ug/l	99
79) 2-Chlorotoluene	12.89	91	851481	106.184	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1054959	101.027	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	76047	120.712	ug/l	98
82) 4-Chlorotoluene	12.99	91	910752	107.091	ug/l	100
83) tert-Butylbenzene	13.21	119	903212	99.215	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1063093	102.922	ug/l	98
85) sec-Butylbenzene	13.38	105	1253775	99.361	ug/l	100
86) p-Isopropyltoluene	13.50	119	1166260	100.016	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	533422	97.245	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	508277	94.489	ug/l	96
89) n-Butylbenzene	13.82	91	1122713	103.816	ug/l	99
90) Hexachloroethane	14.09	117	216710	101.140	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	462364	97.534	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	35496	112.528	ug/l	97

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VSTDICC100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	319848	97.567	ug/l	98
94) Hexachlorobutadiene	15.23	225	181063	83.702	ug/l	98
95) Naphthalene	15.36	128	596387	110.970	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	273320	101.808	ug/l	98

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

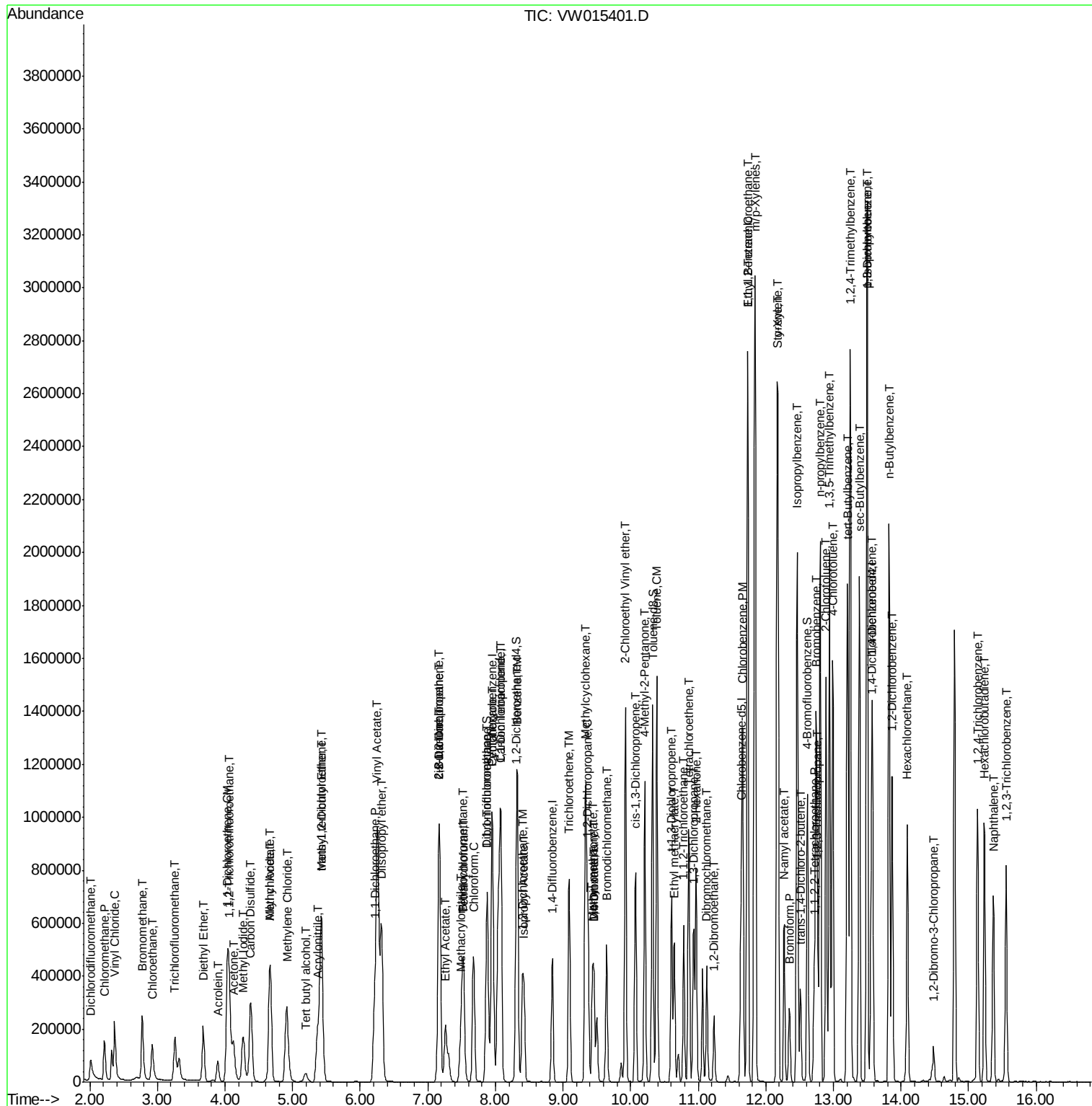
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050620\
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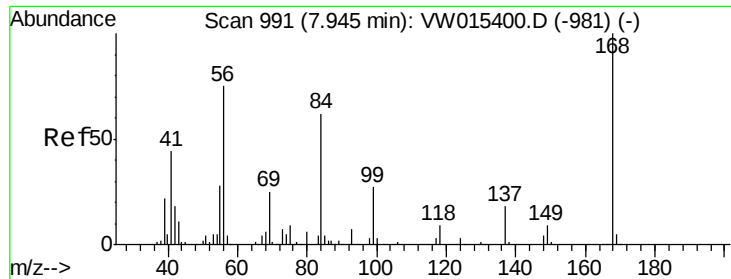
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 227543

Ion Ratio Lower Upper

168 100

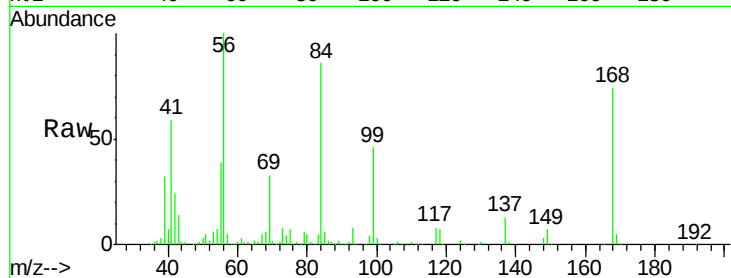
99 61.8 50.3 75.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

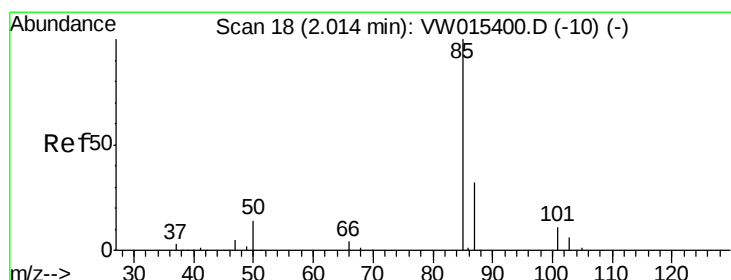
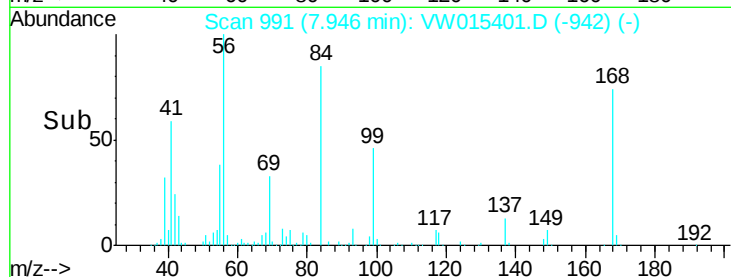
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 83.919 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015401.D

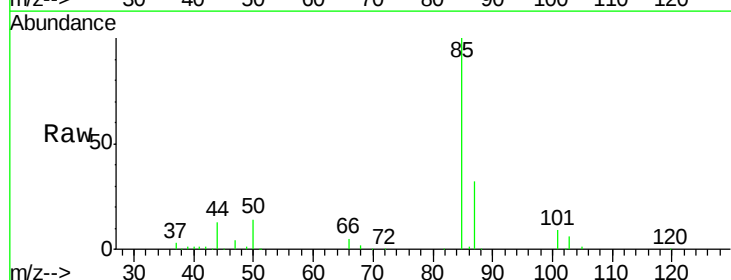
Acq: 05 May 2020 17:51

Tgt Ion: 85 Resp: 145089

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

30000

20000

10000

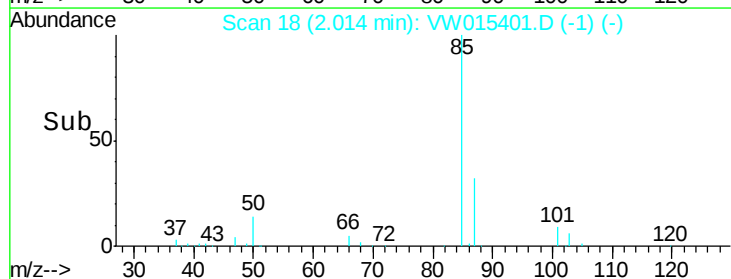
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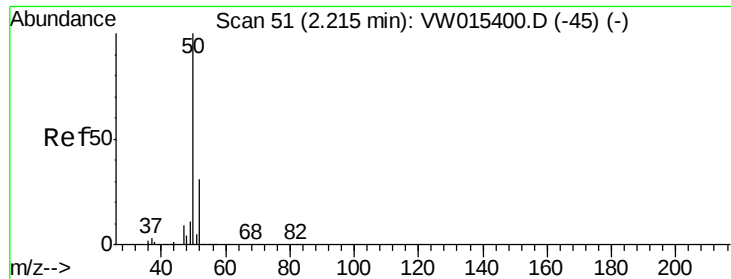
2.00

2.20

2.40

Time-->





#3

Chloromethane

Concen: 88.228 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 167444

Ion Ratio Lower Upper

50 100

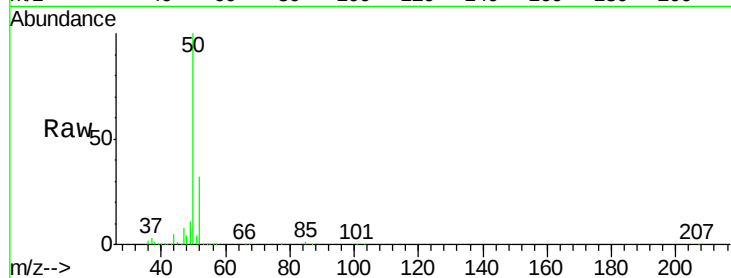
52 31.6 25.0 37.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

100000

80000

60000

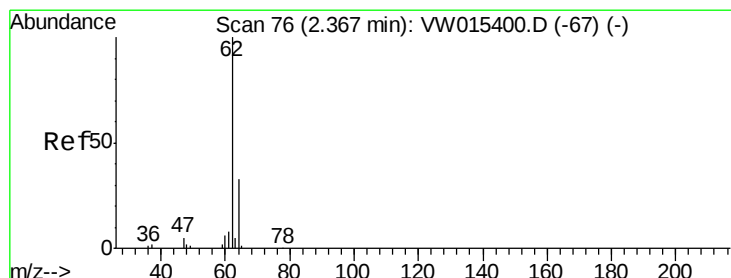
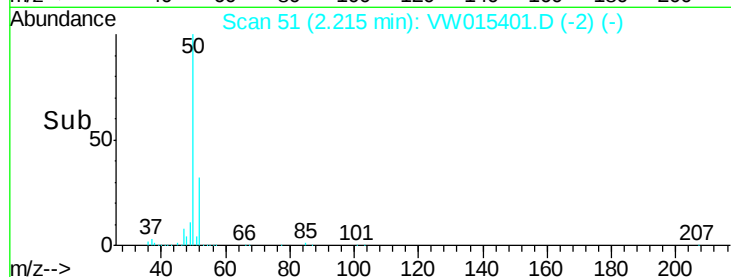
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 105.218 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015401.D

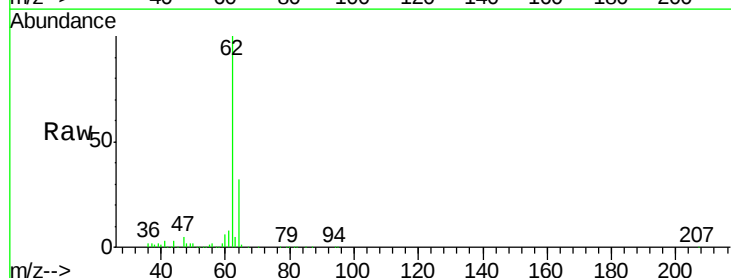
Acq: 05 May 2020 17:51

Tgt Ion: 62 Resp: 247549

Ion Ratio Lower Upper

62 100

64 32.4 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.37

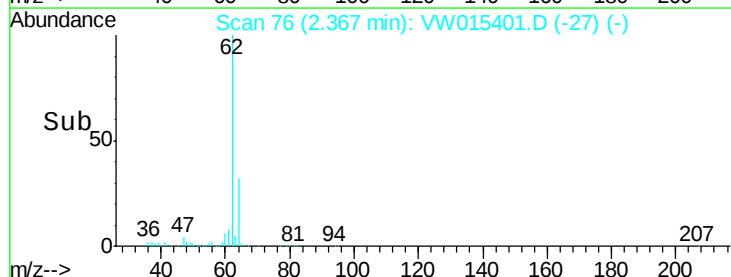
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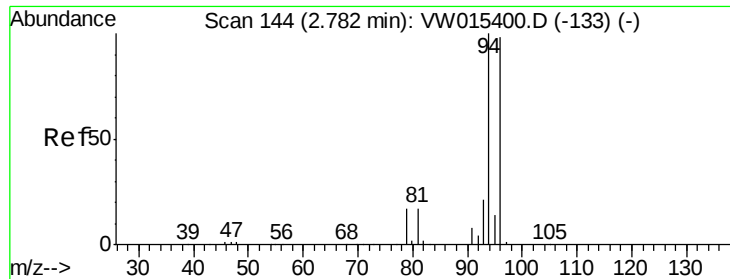
50000

0

Time-->

2.30 2.40 2.50





#5

Bromomethane

Concen: 111.869 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 187525

Ion Ratio Lower Upper

94 100

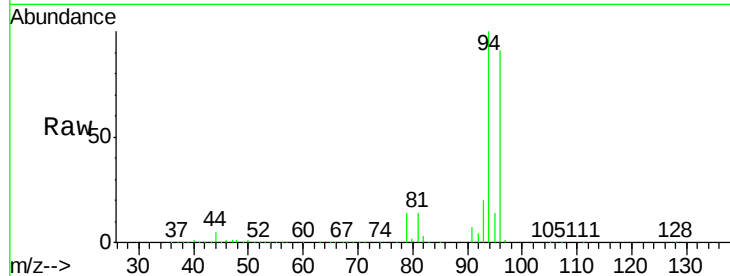
96 91.0 78.8 118.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

100000

80000

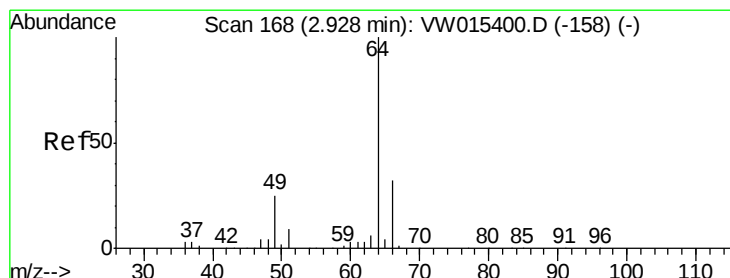
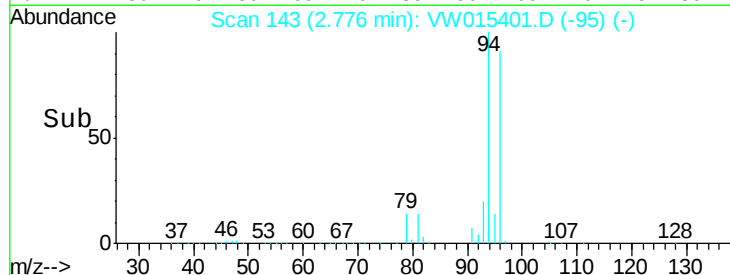
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 112.775 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015401.D

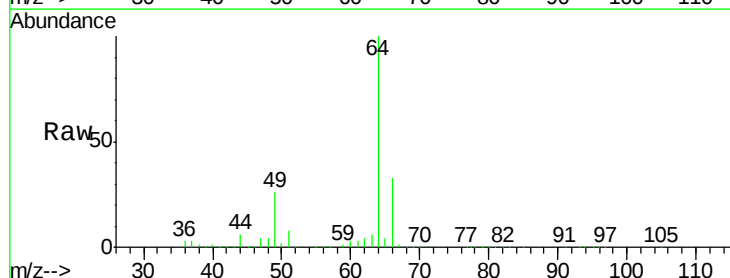
Acq: 05 May 2020 17:51

Tgt Ion: 64 Resp: 167387

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

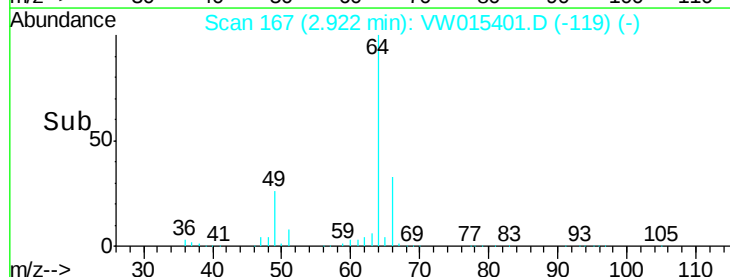
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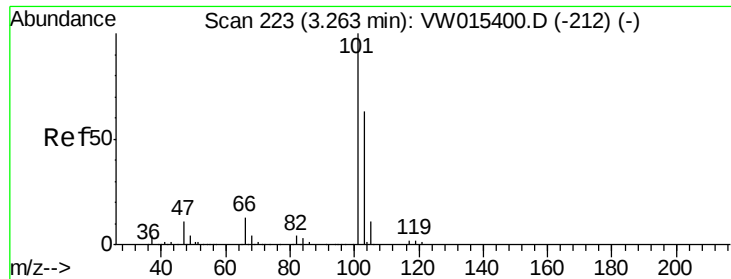
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Time-->





#7

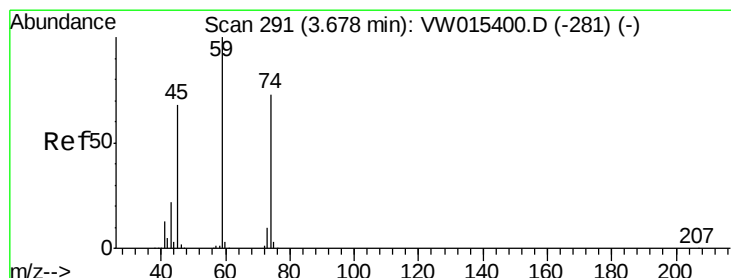
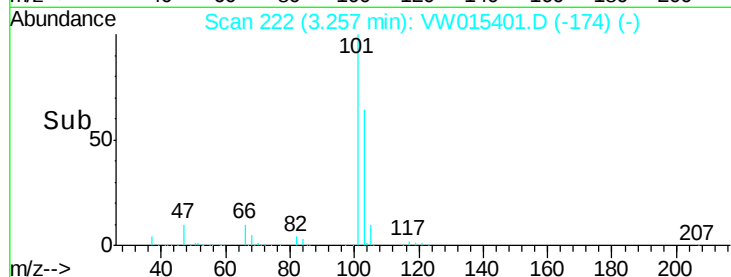
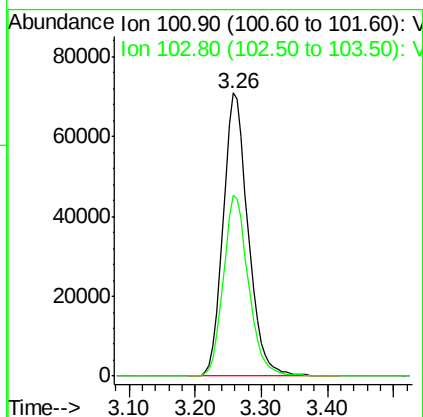
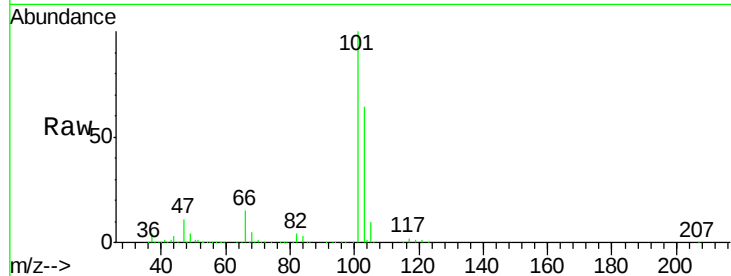
Trichlorofluoromethane
 Concen: 60.467 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	185808		
103	63.8	50.2	75.4	

Manual Integrations
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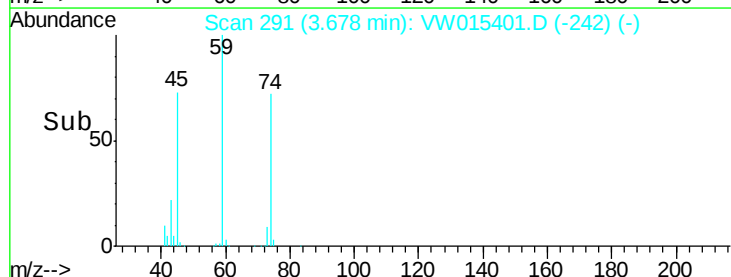
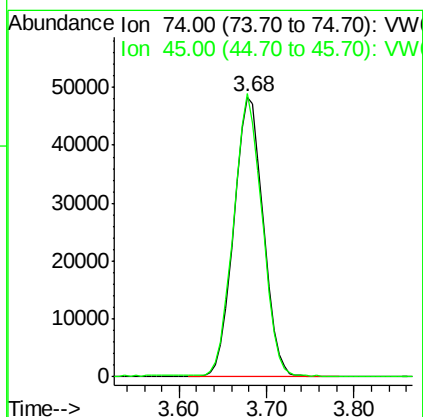
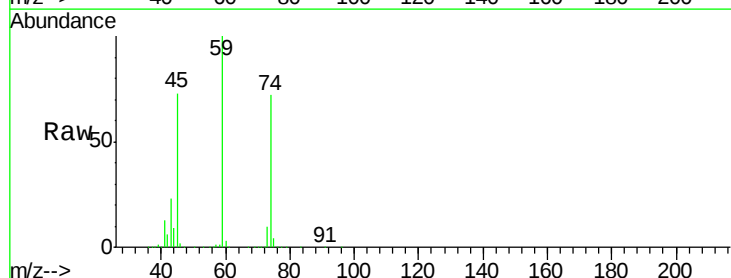
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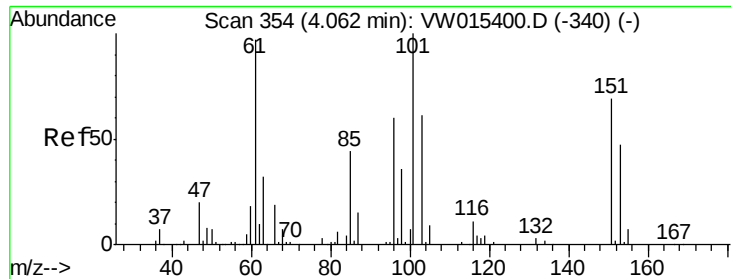


#8

Diethyl Ether
 Concen: 118.431 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	113161		
45	98.4	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.949 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

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MSVOA_W

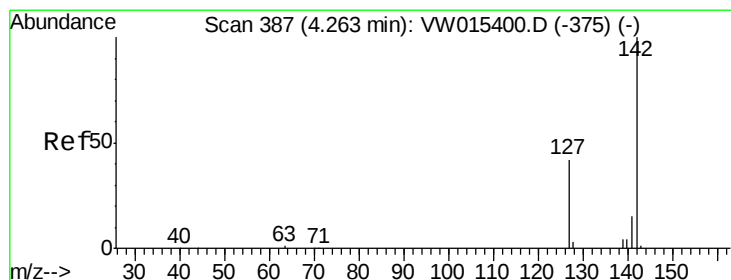
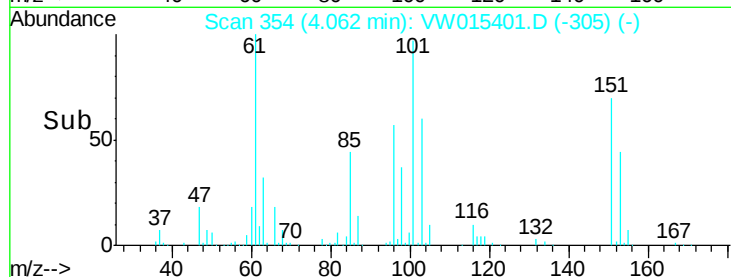
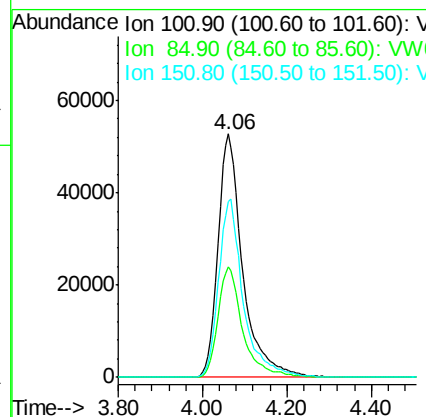
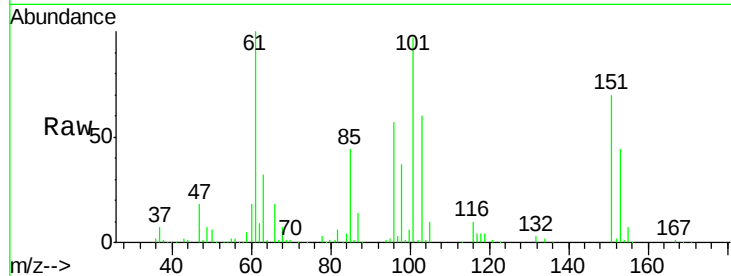
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	213841
Ion Ratio	Lower	Upper	
101	100		
85	45.5	37.3	55.9
151	73.1	58.9	88.3

Manual Integrations
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#10

Methyl Iodide

Concen: 142.937 ug/l

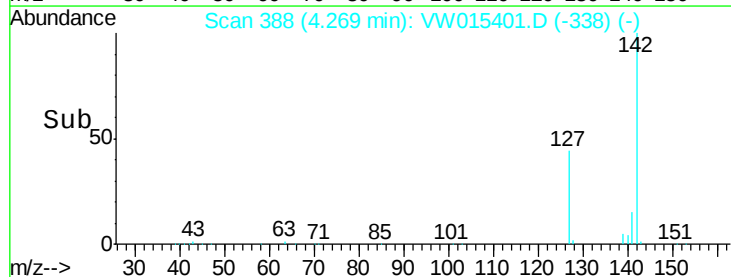
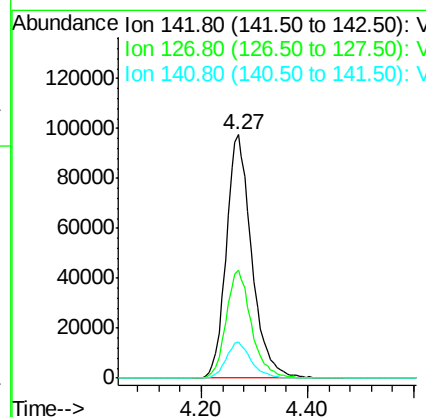
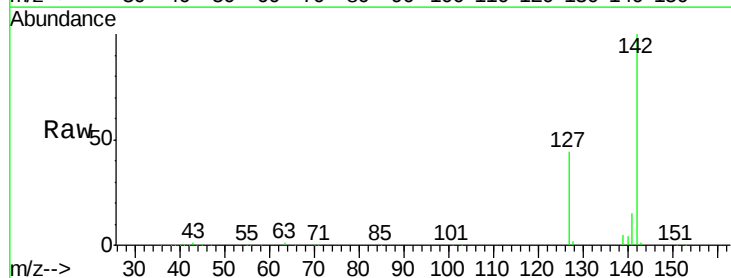
RT: 4.27 min Scan# 388

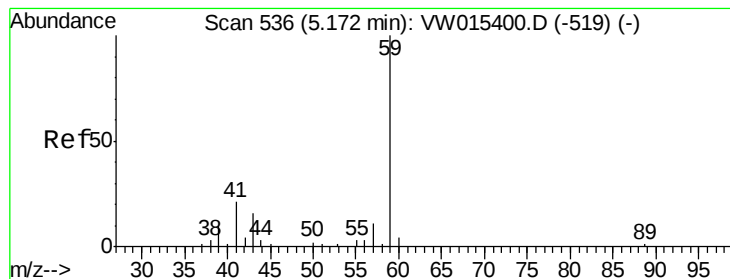
Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion:	142	Resp:	324906
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.4	53.2
141	14.6	11.7	17.5





#11

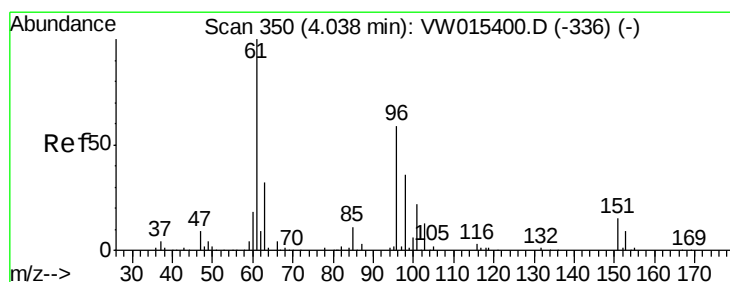
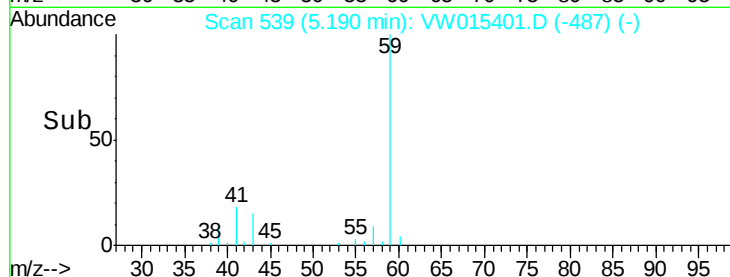
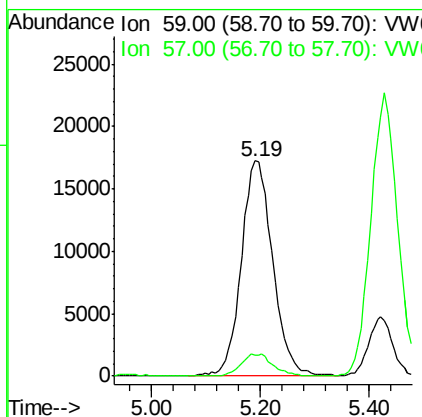
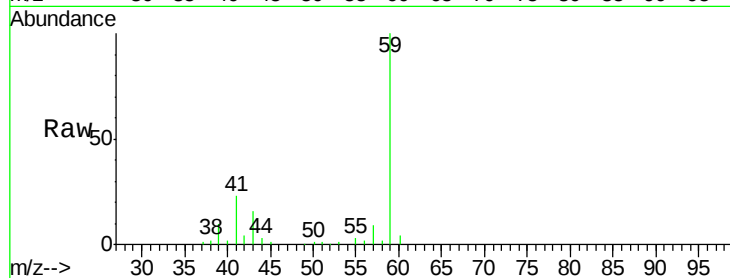
Tert butyl alcohol
 Concen: 450.705 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	13.0

Manual Integrations
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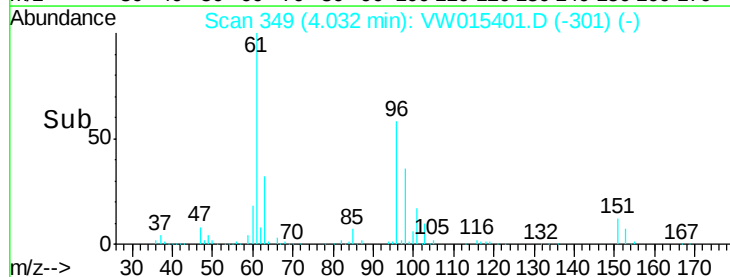
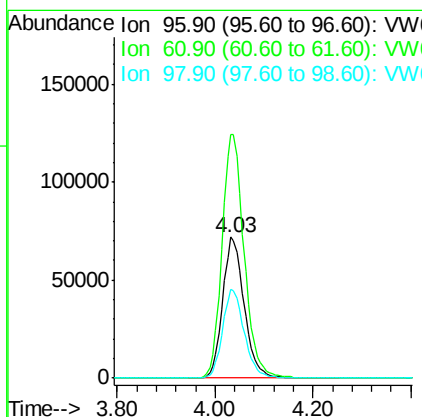
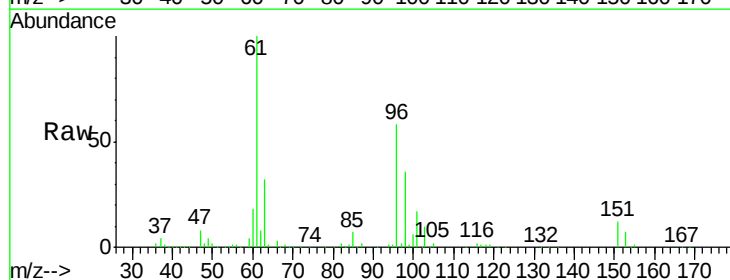
MMDadoda
 5/6/2020 12:12:03 PM

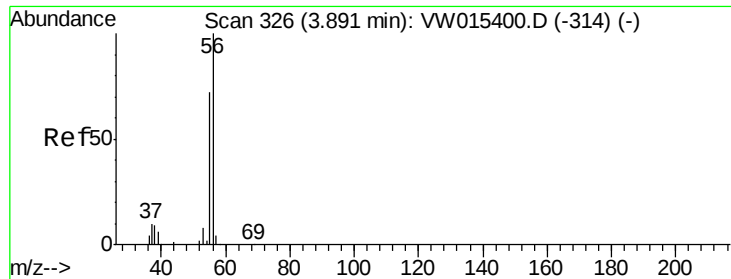


#12

1,1-Dichloroethene
 Concen: 109.734 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	135.8	203.8
98	63.0	48.6	72.8





#13

Acrolein

Concen: 934.592 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 92147

Ion Ratio Lower Upper

56 100

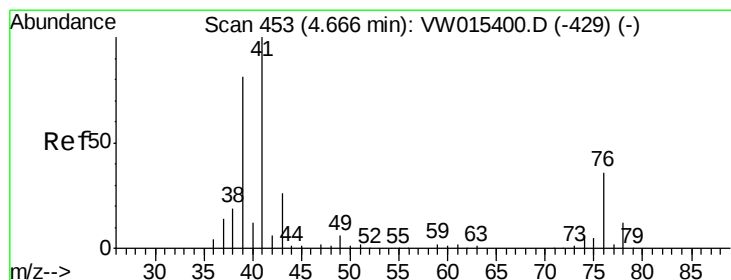
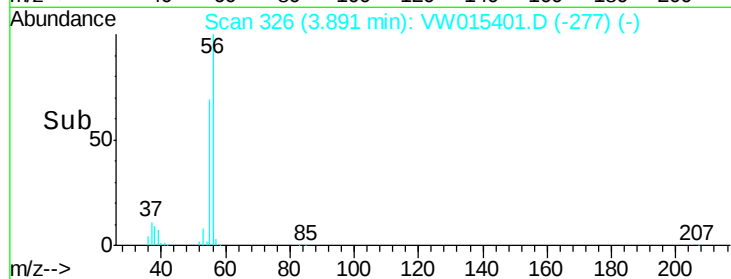
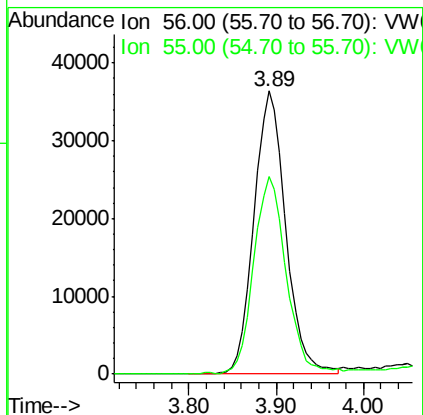
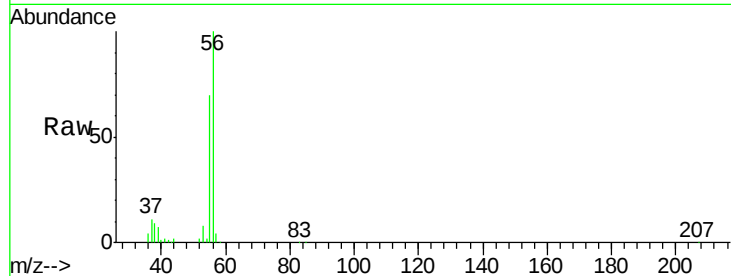
55 70.7 56.4 84.6

Manual Integrations

APPROVED

MMDadoda

5/6/2020 12:12:03 PM



#14

Allyl chloride

Concen: 139.360 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

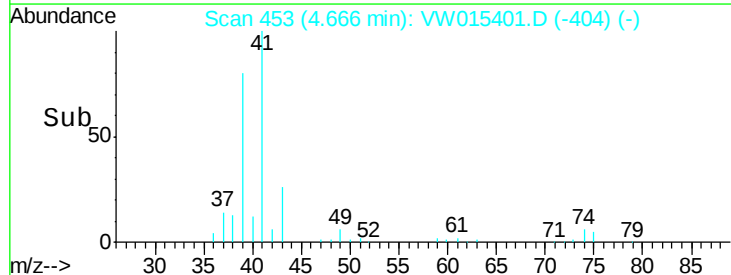
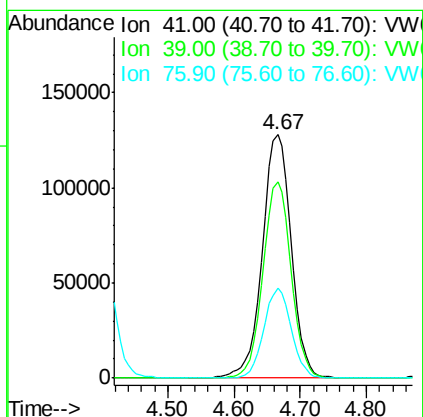
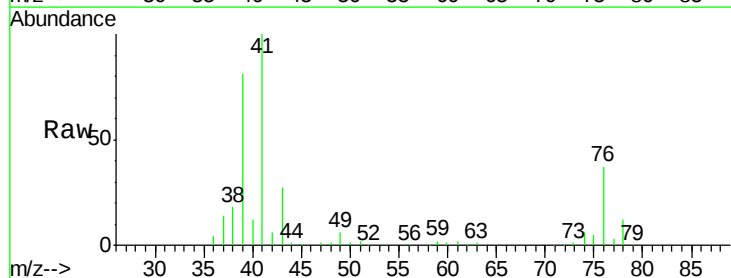
Tgt Ion: 41 Resp: 390245

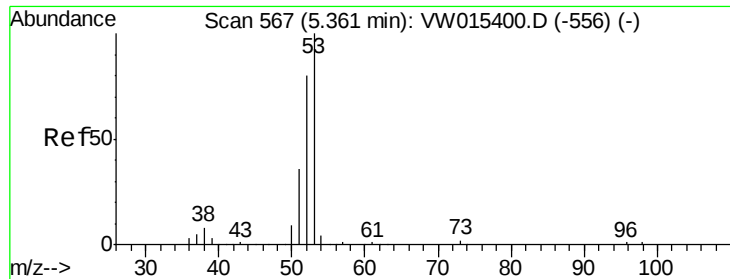
Ion Ratio Lower Upper

41 100

39 78.3 63.6 95.4

76 34.9 28.4 42.6





#15

Acrylonitrile

Concen: 648.579 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

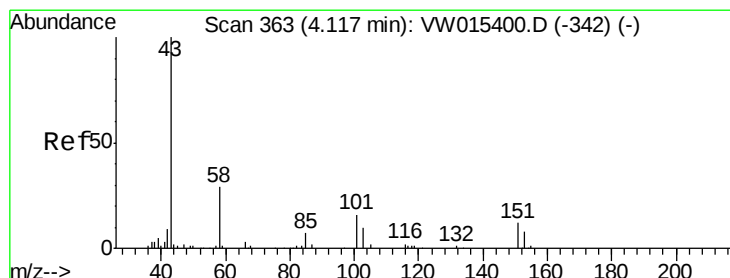
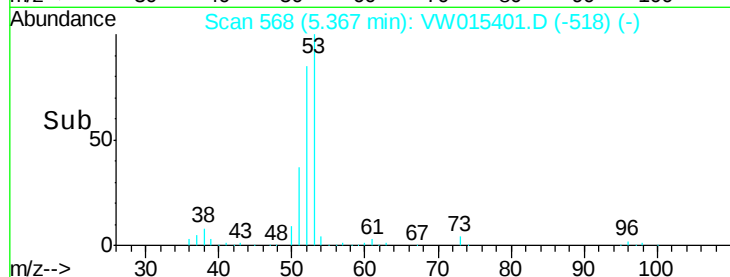
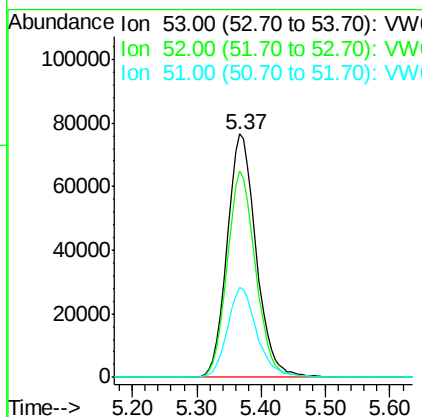
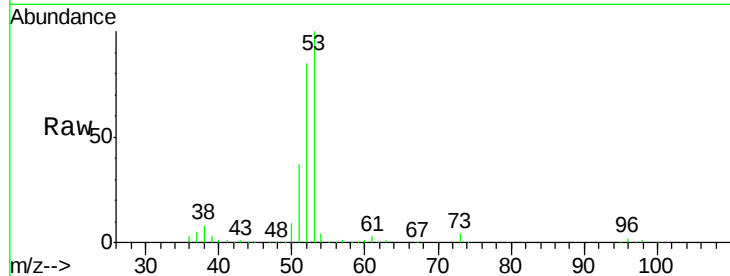
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	241682
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	99.8
51	37.7	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 589.996 ug/l

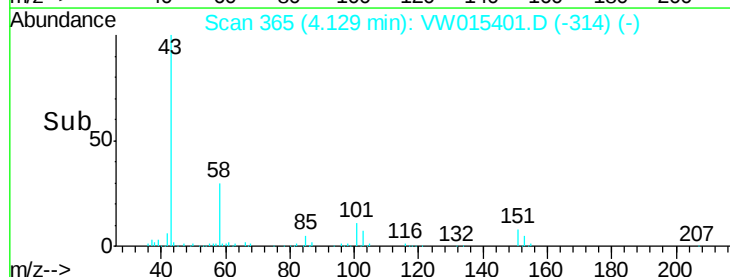
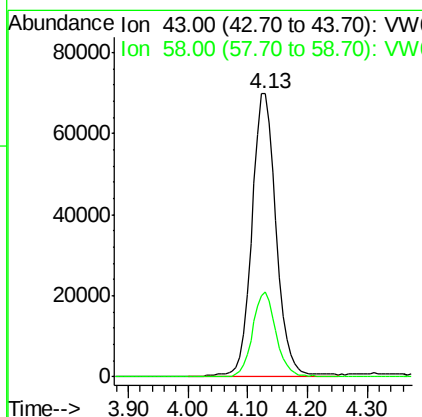
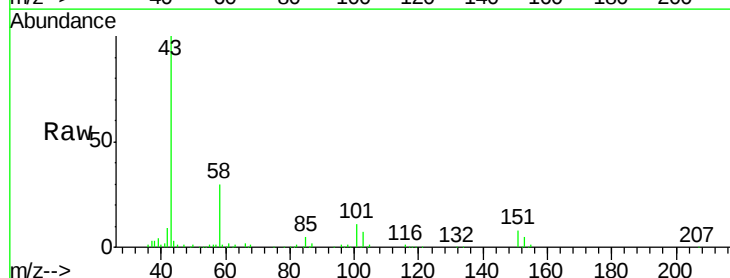
RT: 4.13 min Scan# 365

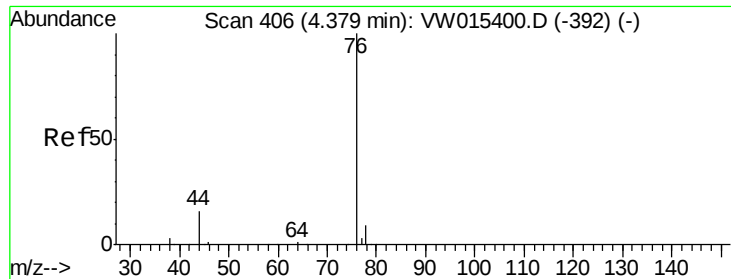
Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion:	43	Resp:	198569
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.4	35.0





#17

Carbon Disulfide

Concen: 113.558 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 677418

Ion Ratio Lower Upper

76 100

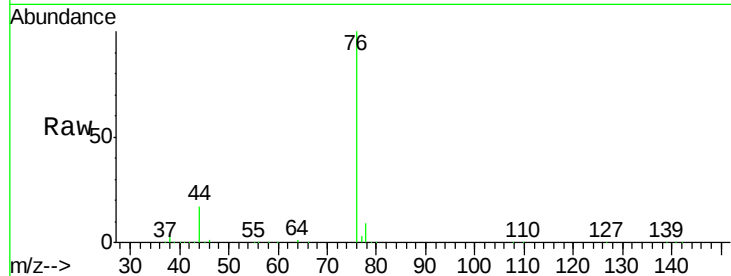
78 9.4 7.3 10.9

Manual Integrations

APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

250000

200000

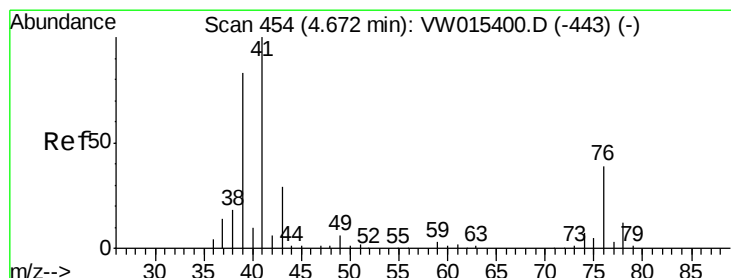
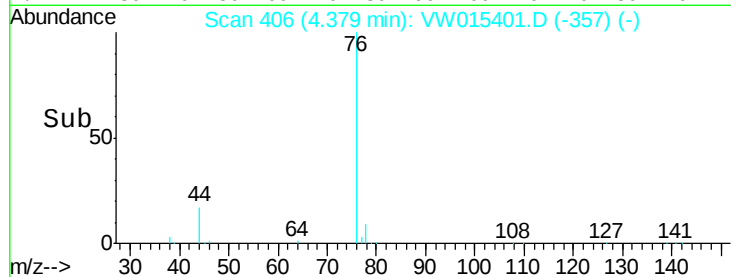
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 116.673 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015401.D

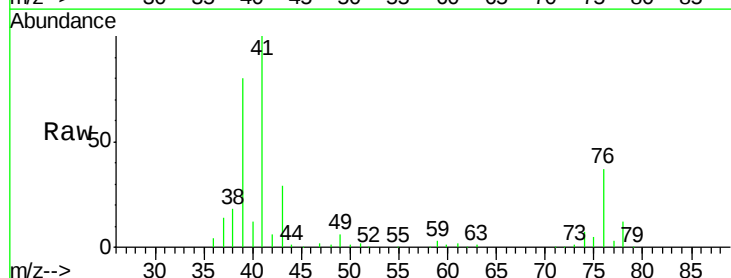
Acq: 05 May 2020 17:51

Tgt Ion: 43 Resp: 104685

Ion Ratio Lower Upper

43 100

74 23.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

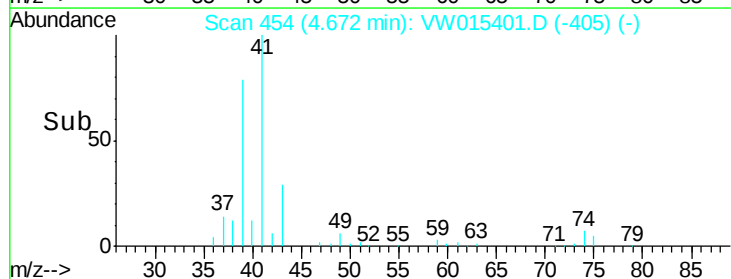
30000

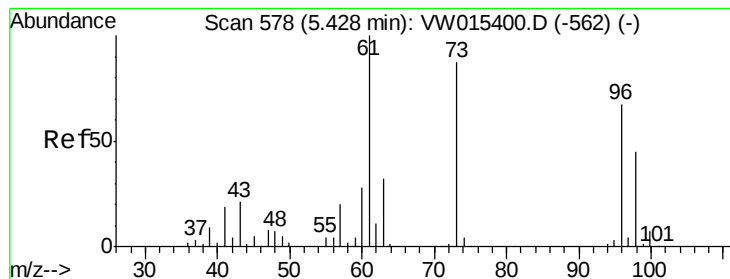
20000

10000

0

Time-->





#19

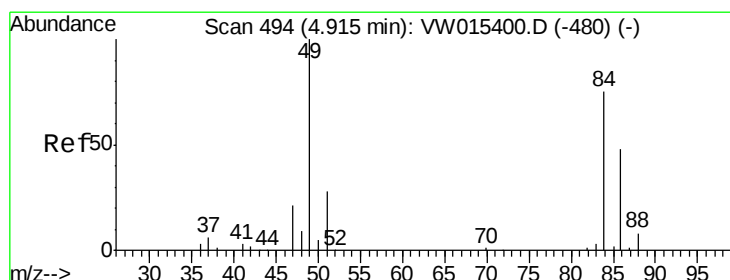
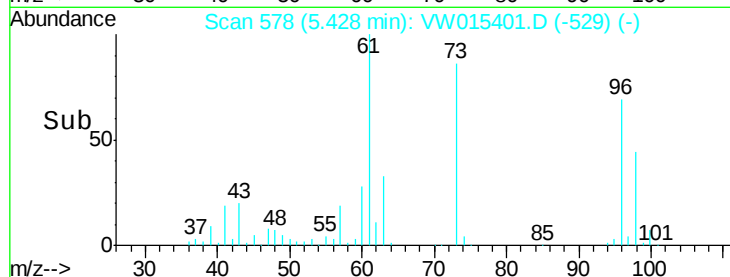
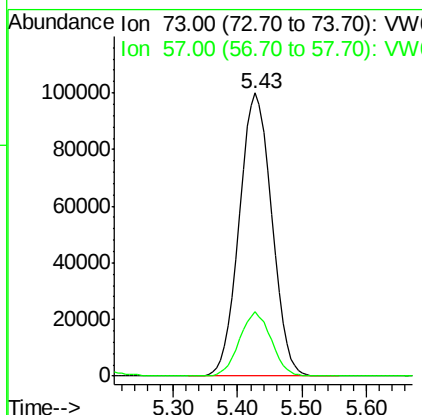
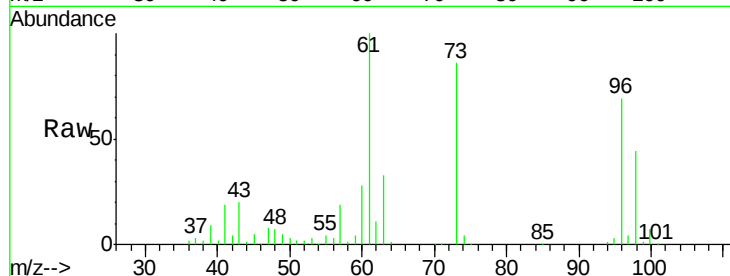
Methyl tert-butyl Ether
 Concen: 80.187 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7

Manual Integrations
 APPROVED

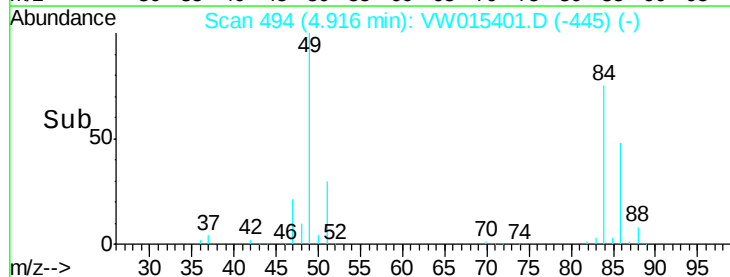
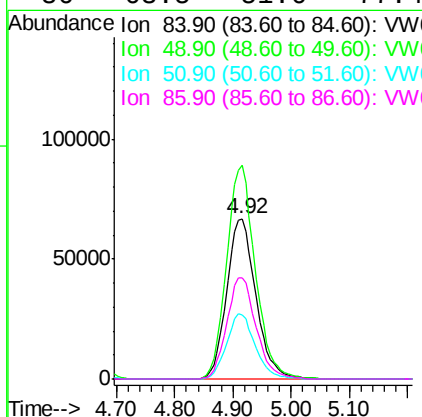
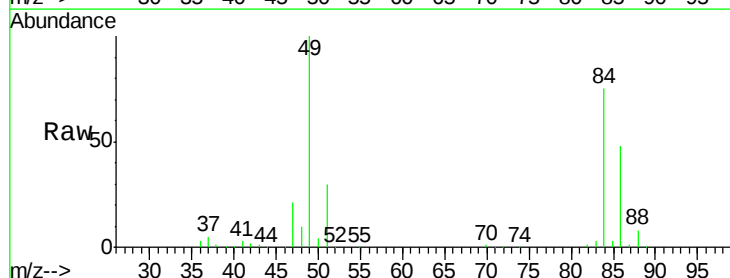
MMDadoda
 5/6/2020 12:12:03 PM

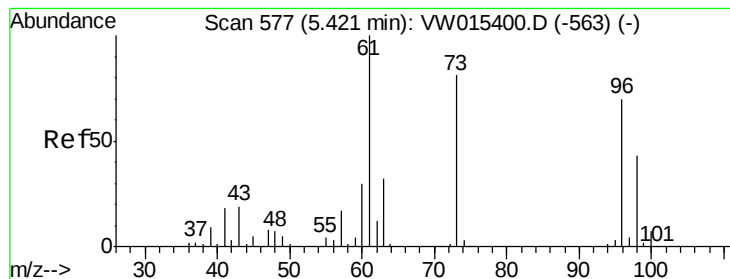


#20

Methylene Chloride
 Concen: 106.237 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	106.4	159.6
51	40.1	30.2	45.2
86	63.5	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 109.479 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 248456

Ion Ratio Lower Upper

96 100

61 145.1 114.9 172.3

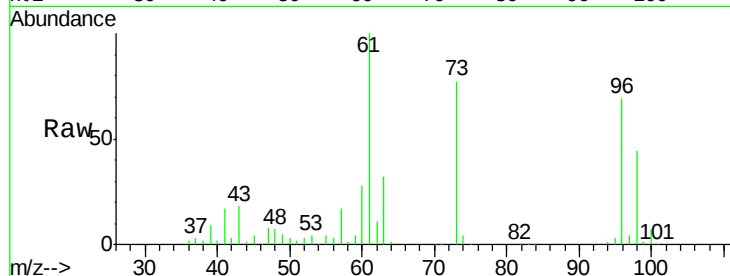
98 63.5 49.4 74.0

Manual Integrations

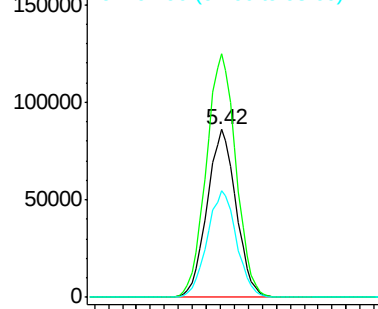
APPROVED

MMDadoda

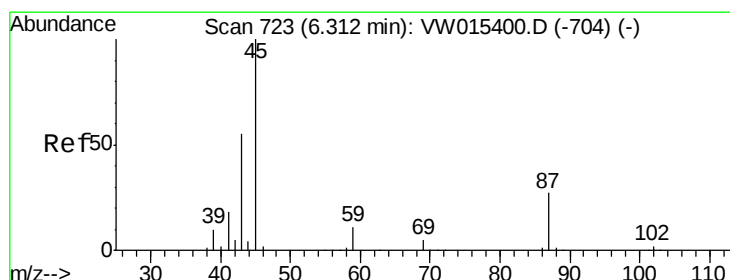
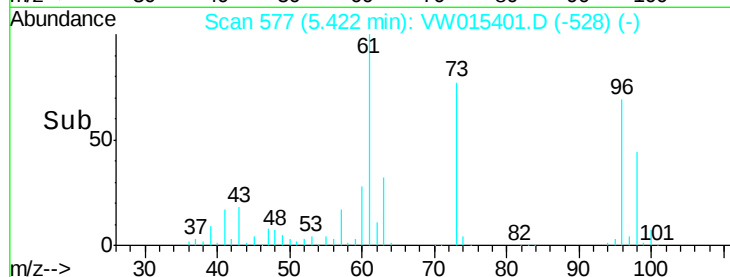
5/6/2020 12:12:03 PM



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



Time-->



#22

Diisopropyl ether

Concen: 140.821 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion: 45 Resp: 760787

Ion Ratio Lower Upper

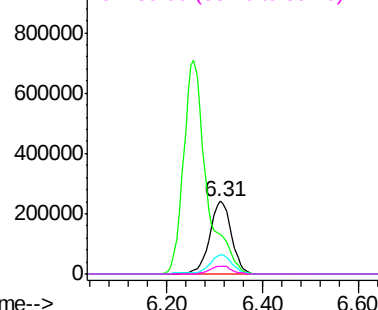
45 100

43 54.6 44.2 66.4

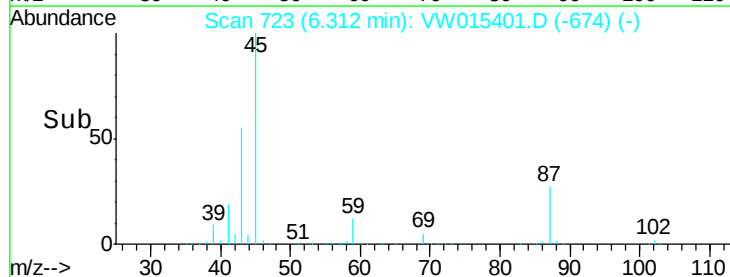
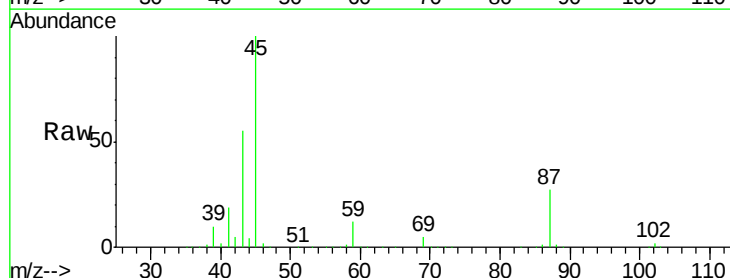
87 26.8 21.6 32.4

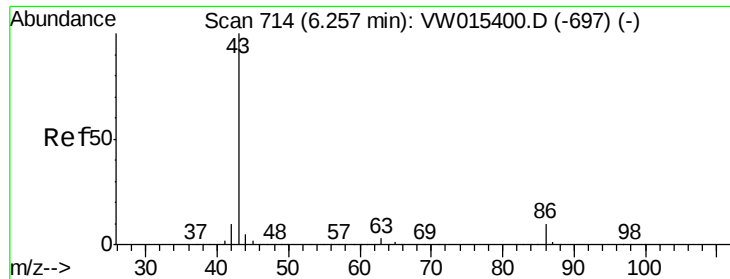
59 11.5 9.0 13.6

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



Time-->





#23

Vinyl Acetate

Concen: 734.930 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2351261

Ion Ratio Lower Upper

43 100

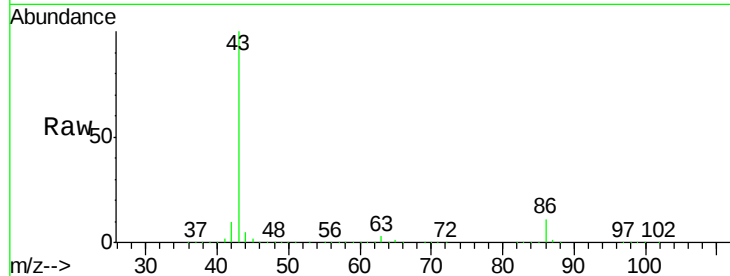
86 10.5 8.1 12.1

Manual Integrations

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MMDadoda

5/6/2020 12:12:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

800000

600000

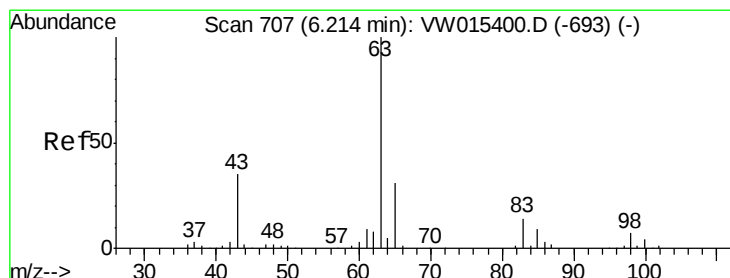
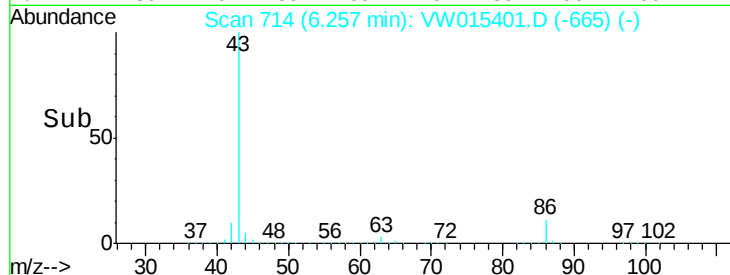
400000

200000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 124.149 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

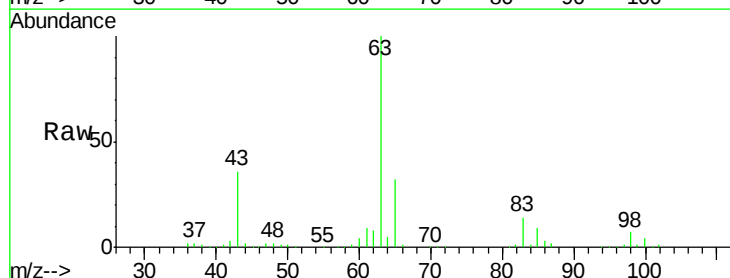
Tgt Ion: 63 Resp: 451013

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

200000

150000

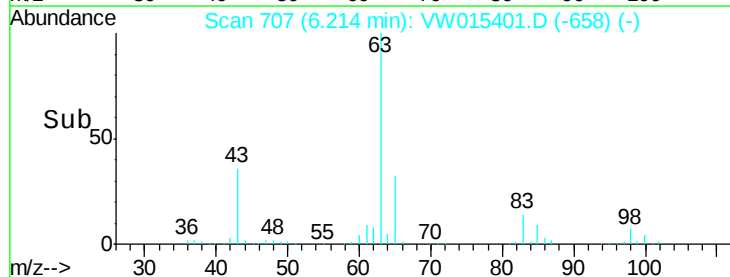
100000

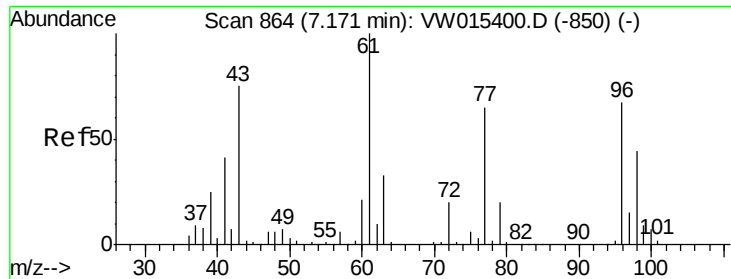
50000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 672.155 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 311612

Ion Ratio Lower Upper

43 100

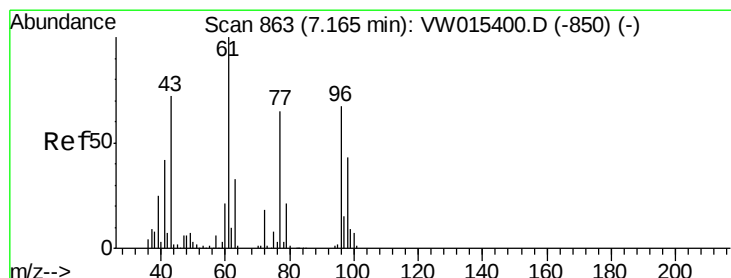
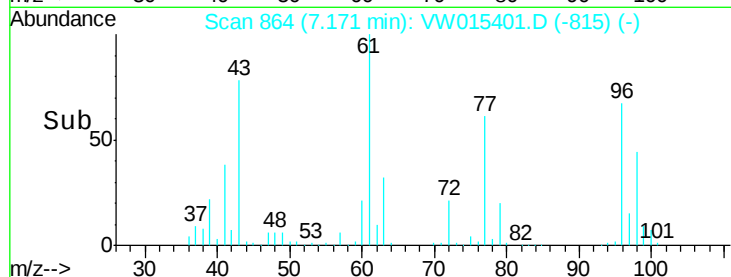
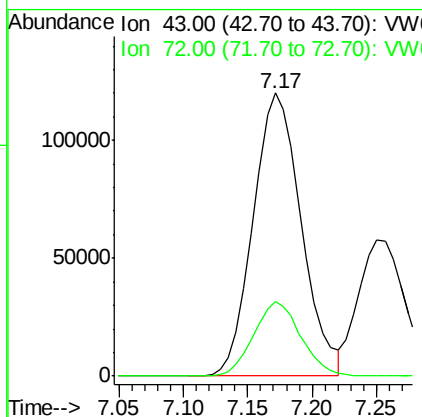
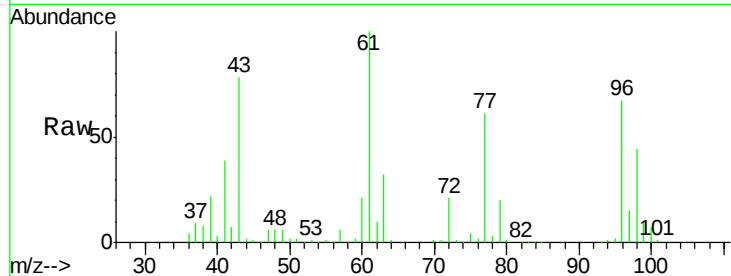
72 26.4 21.4 32.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 79.599 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015401.D

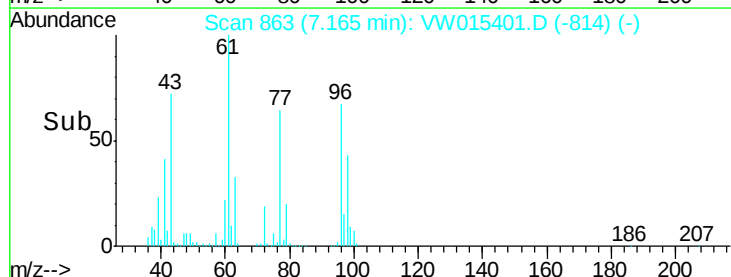
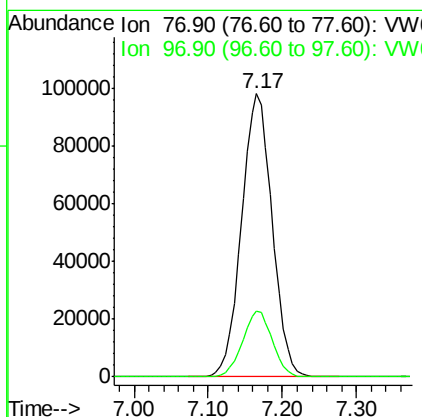
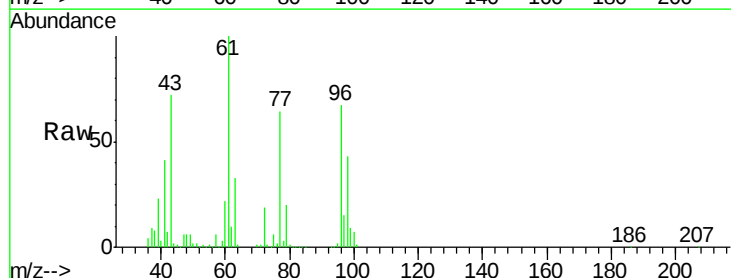
Acq: 05 May 2020 17:51

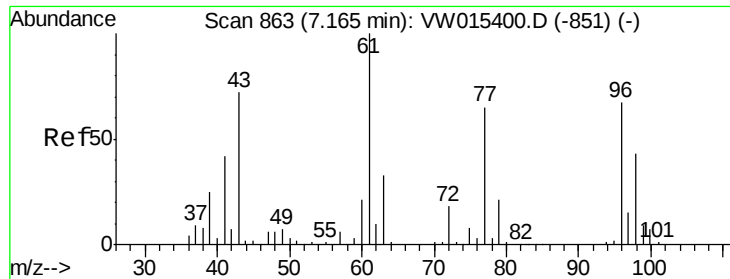
Tgt Ion: 77 Resp: 281998

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.1





#27

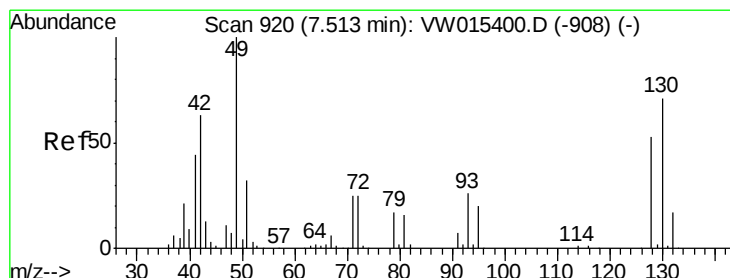
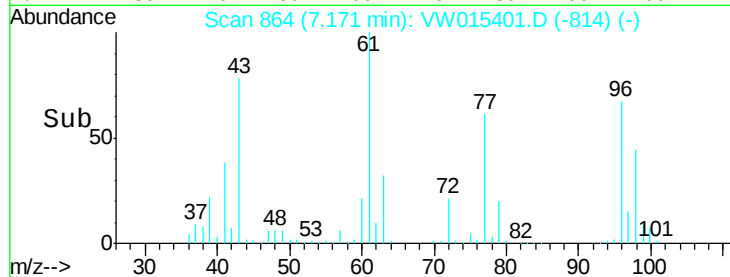
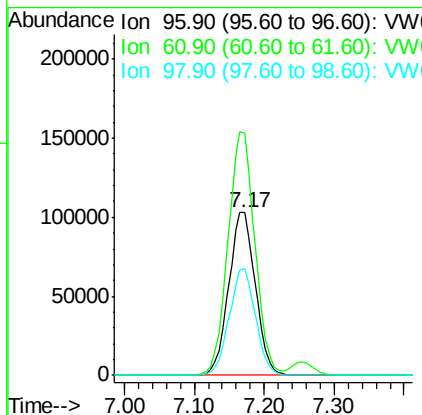
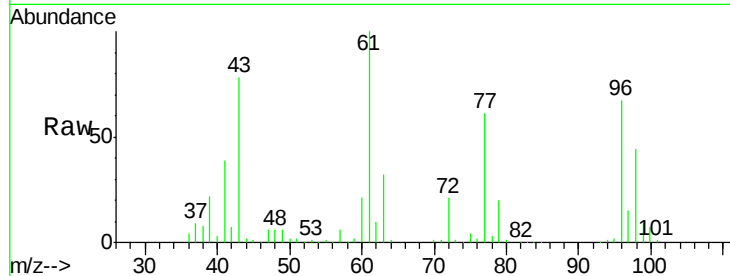
cis-1,2-Dichloroethene
 Concen: 110.563 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	304.6
98	64.5	0.0	129.2

Manual Integrations
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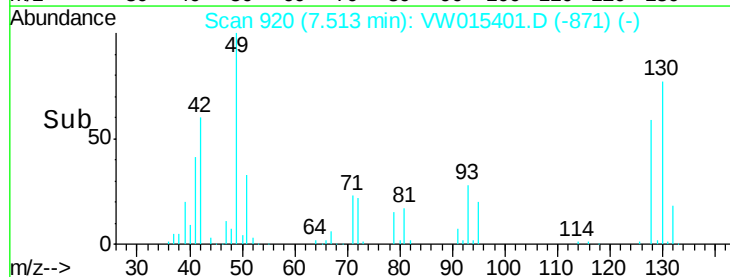
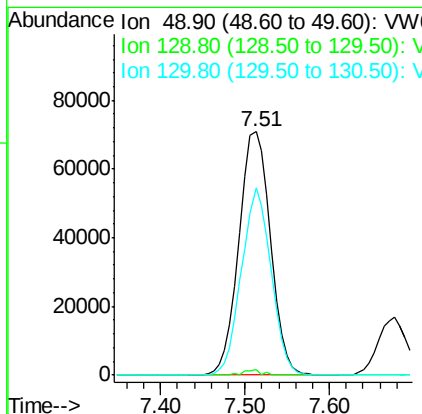
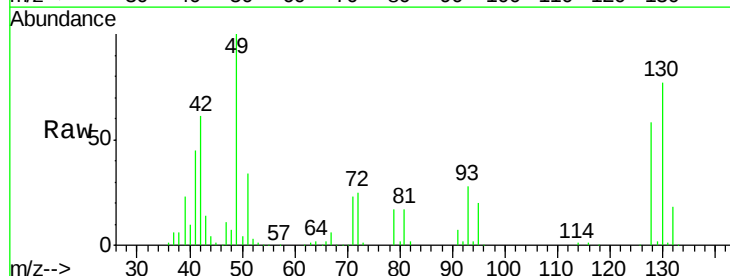
MMDadoda
 5/6/2020 12:12:03 PM

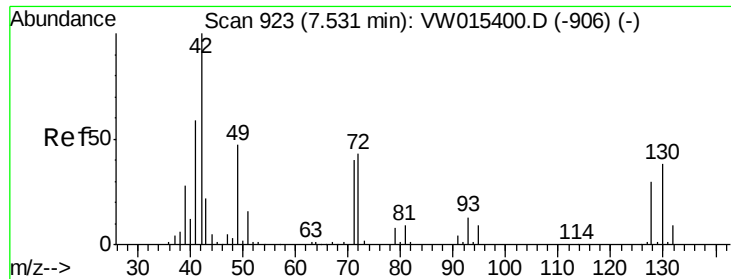


#28

Bromochloromethane
 Concen: 134.114 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	72.1	57.0	85.4





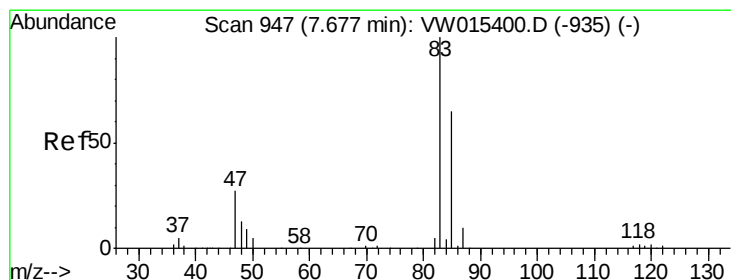
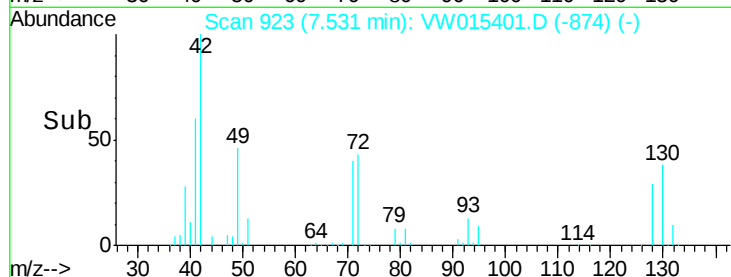
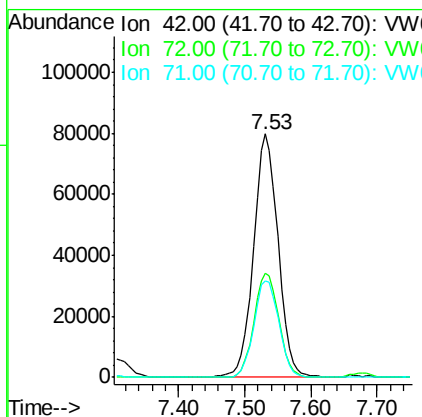
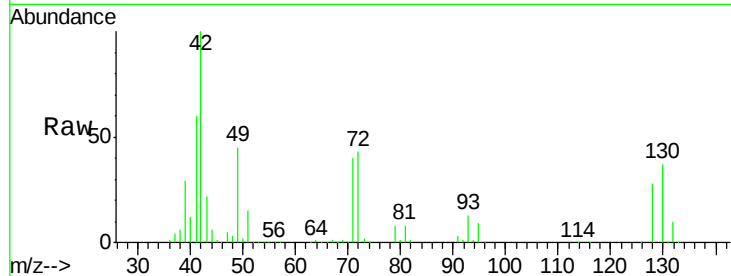
#29
Tetrahydrofuran
Concen: 703.834 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.6	50.4
71	40.5	32.1	48.1

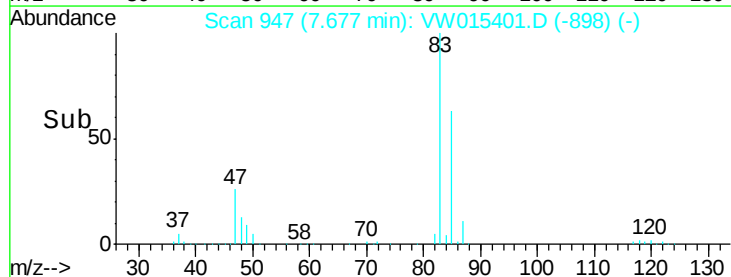
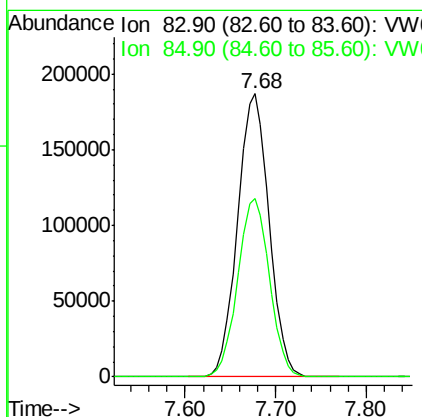
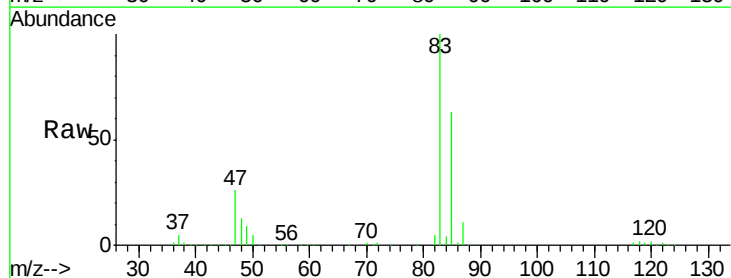
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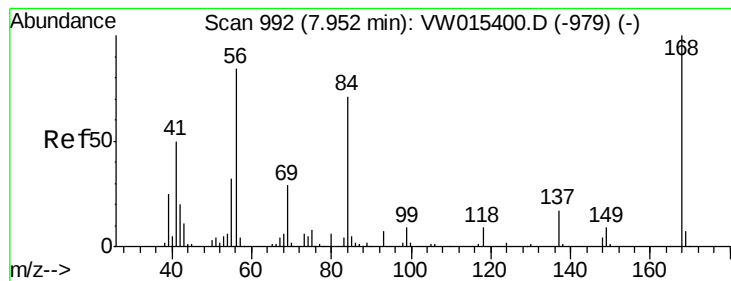
MMDadoda
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#30
Chloroform
Concen: 116.612 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6





#31

Cyclohexane

Concen: 115.717 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 423592

Ion Ratio Lower Upper

56 100

69 32.7 27.2 40.8

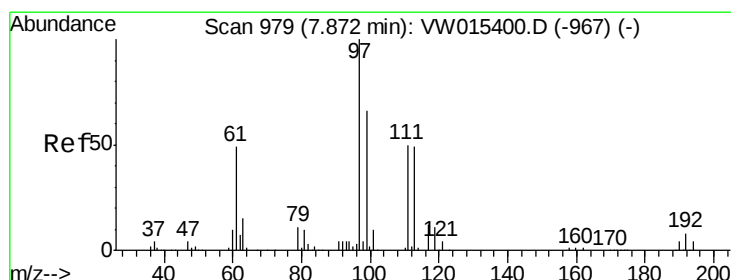
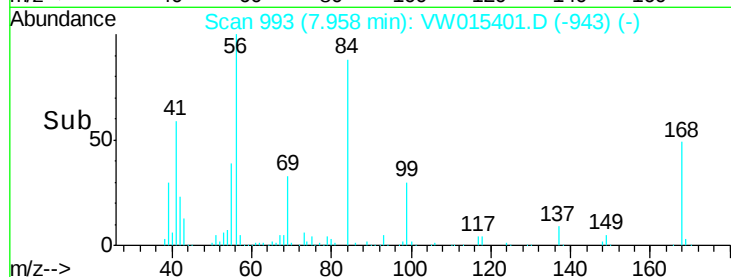
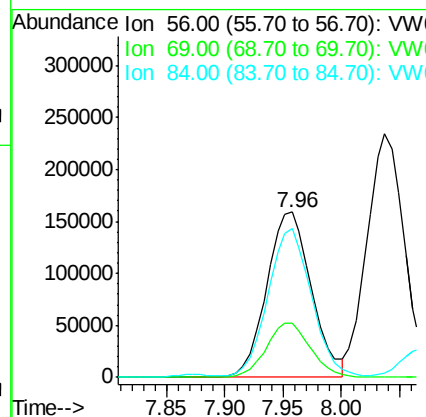
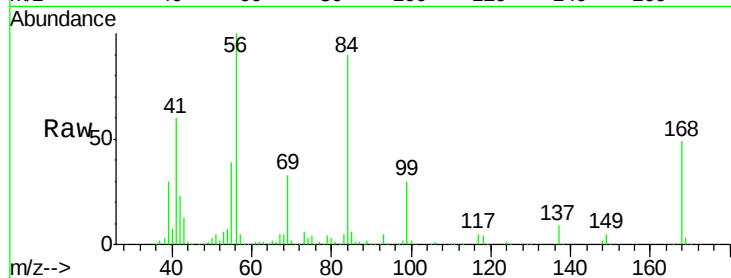
84 88.6 67.7 101.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 101.444 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

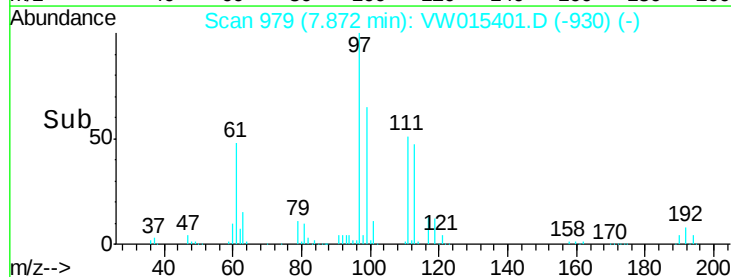
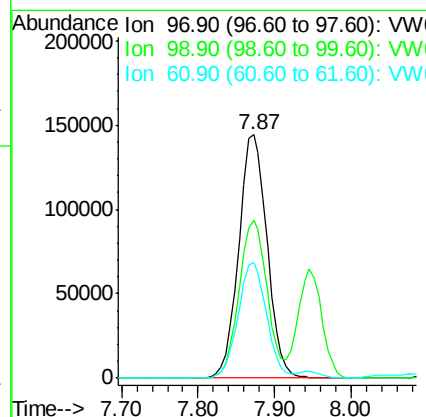
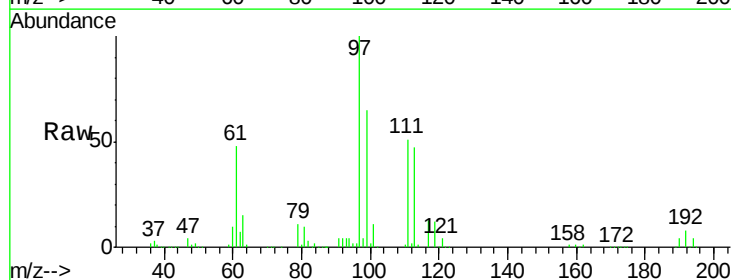
Tgt Ion: 97 Resp: 370472

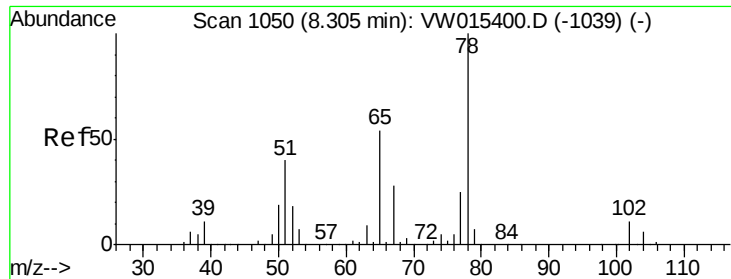
Ion Ratio Lower Upper

97 100

99 65.0 50.7 76.1

61 47.6 38.0 57.0





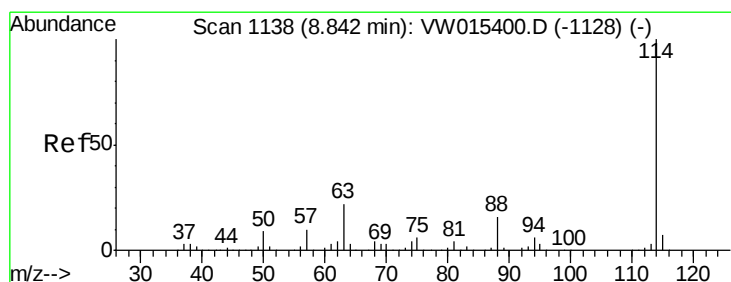
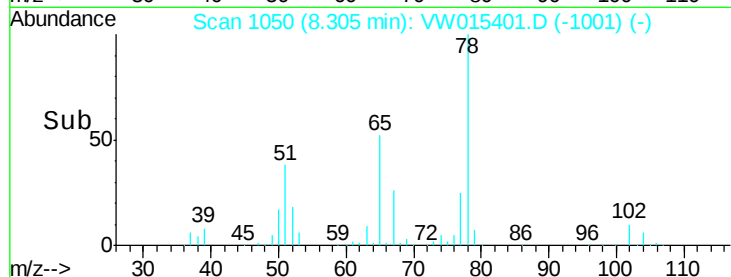
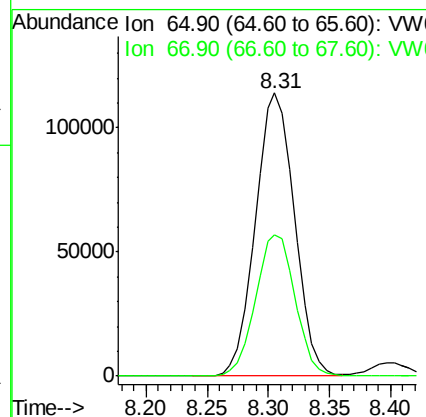
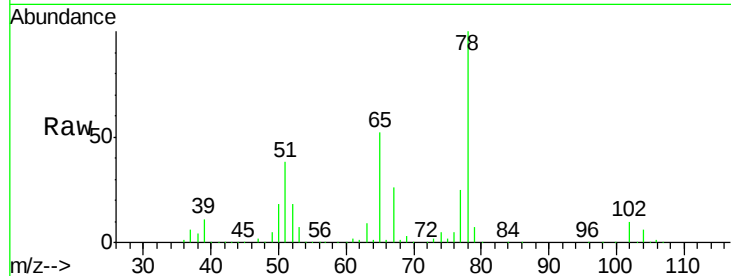
#33
 1,2-Dichloroethane-d4
 Concen: 128.626 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	253453		
67	50.7	0.0	102.8	

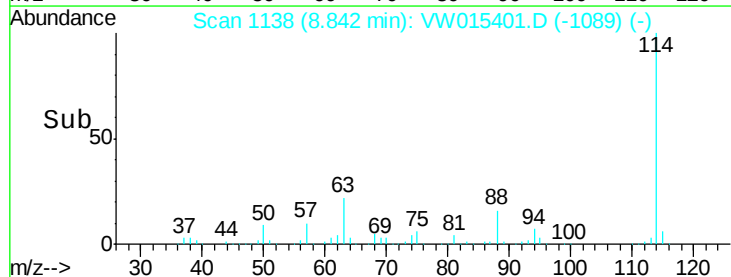
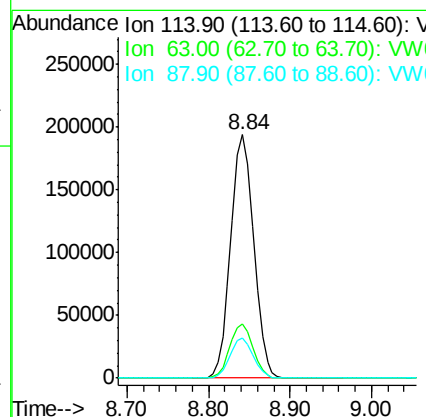
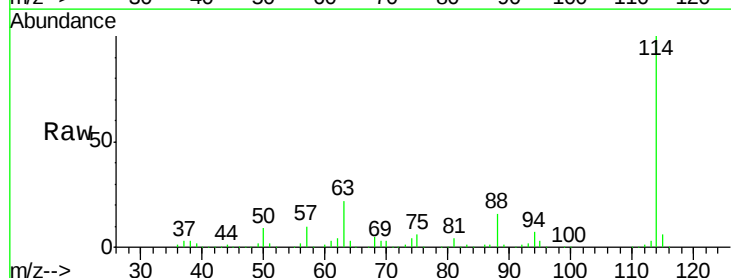
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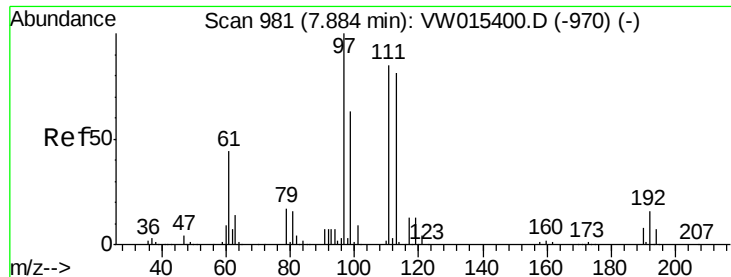
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	378074		
63	22.5	0.0	43.4	
88	16.4	0.0	31.8	





#35

Dibromofluoromethane

Concen: 104.642 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

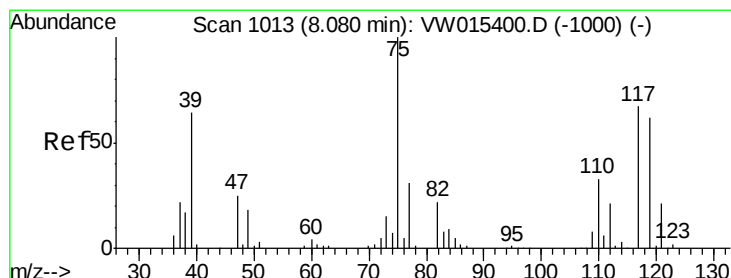
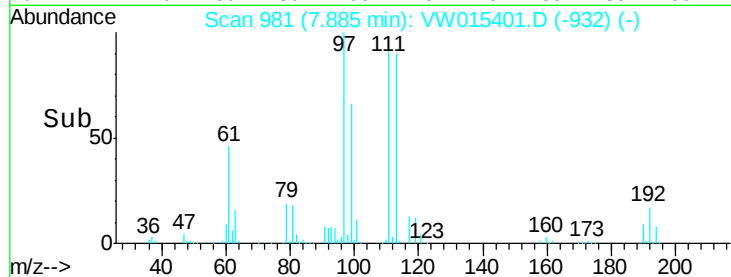
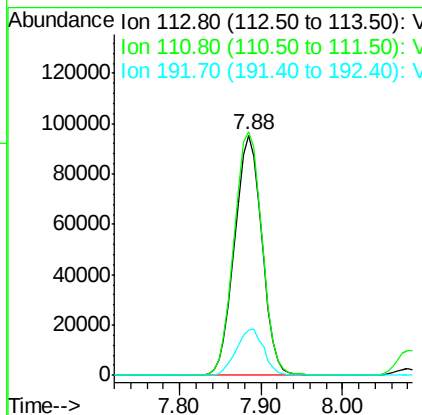
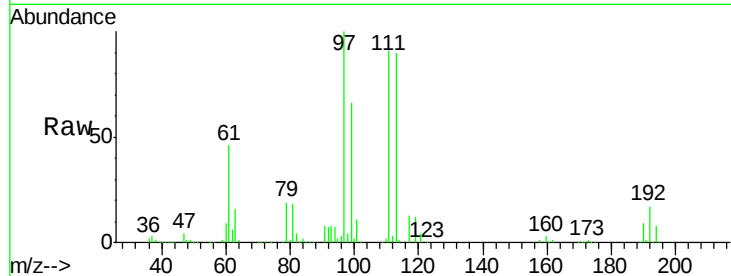
ClientSampled :

VSTDIC100

Tot Ion:	113	Resp:	220140
Ion Ratio	Lower	Upper	
113	100		
111	103.9	82.9	124.3
192	19.4	15.4	23.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 104.871 ug/l

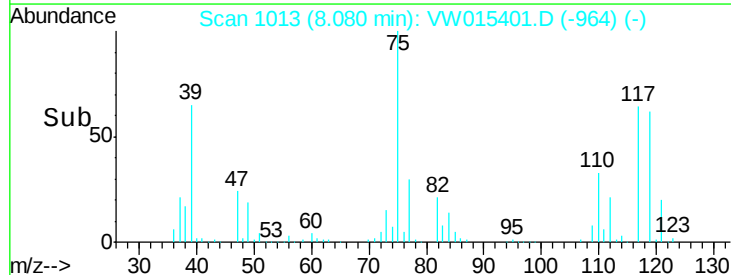
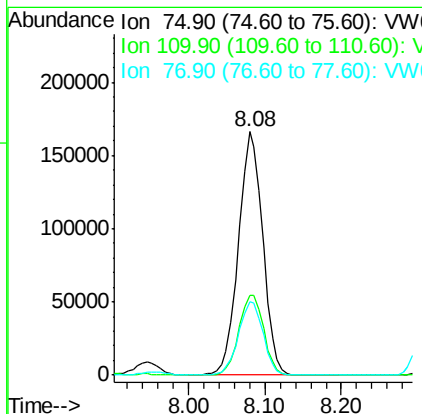
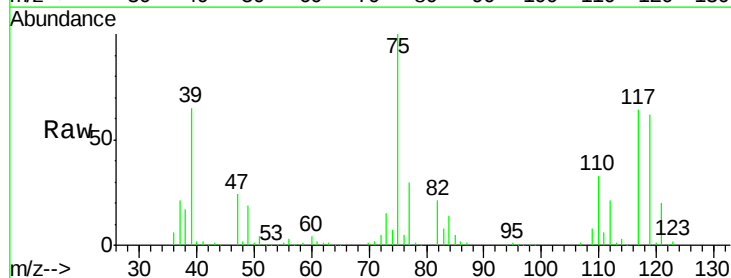
RT: 8.08 min Scan# 1013

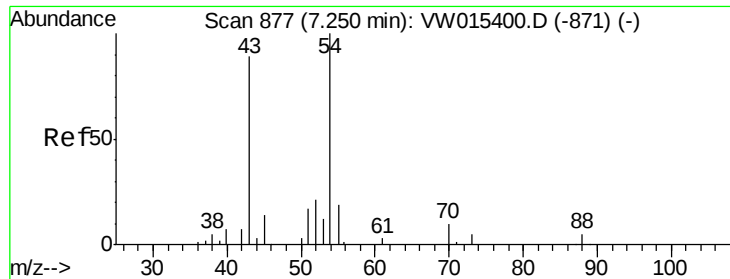
Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion:	75	Resp:	365577
Ion Ratio	Lower	Upper	
75	100		
110	33.5	16.6	49.8
77	30.8	24.5	36.7





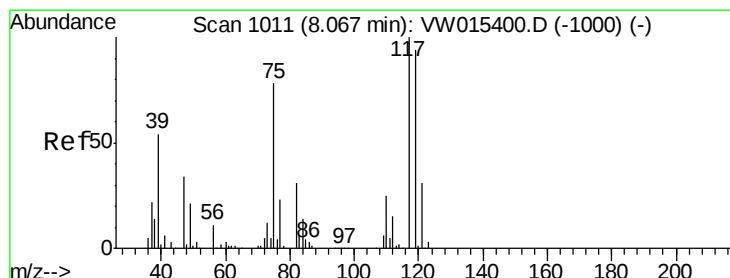
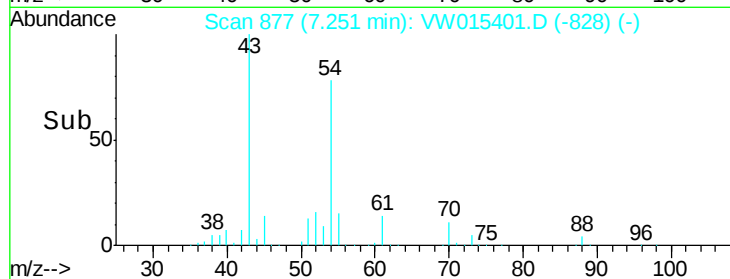
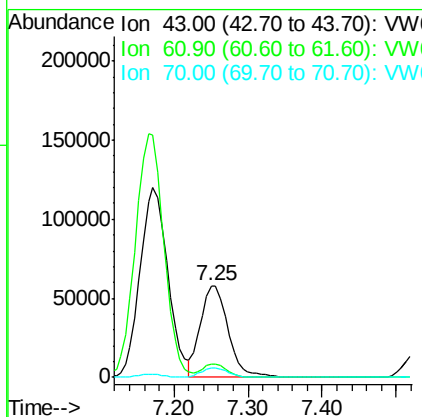
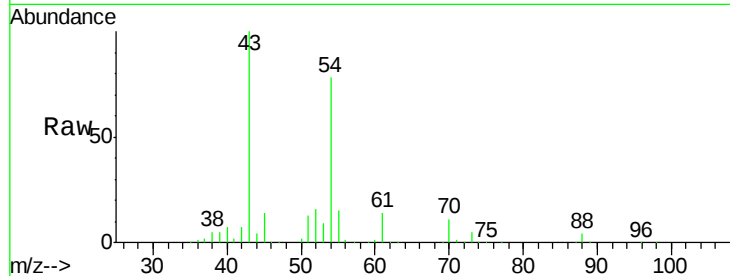
#37
Ethyl Acetate
Concen: 125.878 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.2	15.2
70	10.6	8.0	12.0

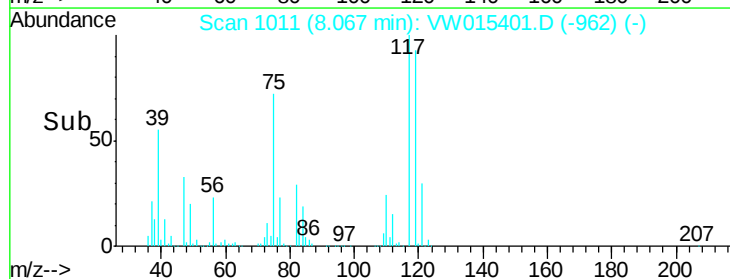
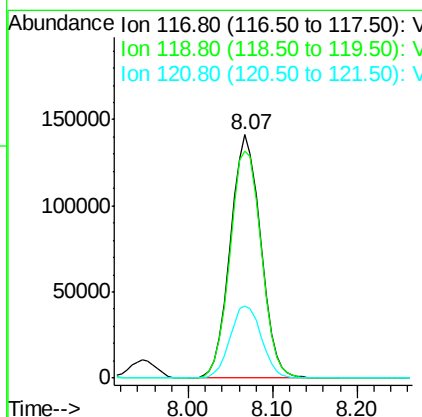
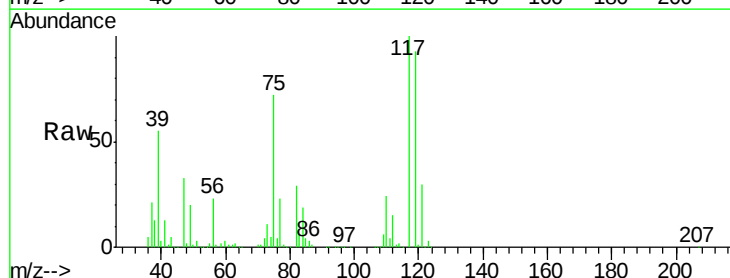
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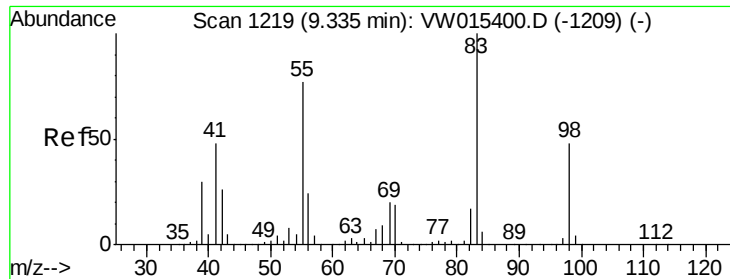
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#38
Carbon Tetrachloride
Concen: 92.458 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.4	113.0
121	29.6	24.8	37.2





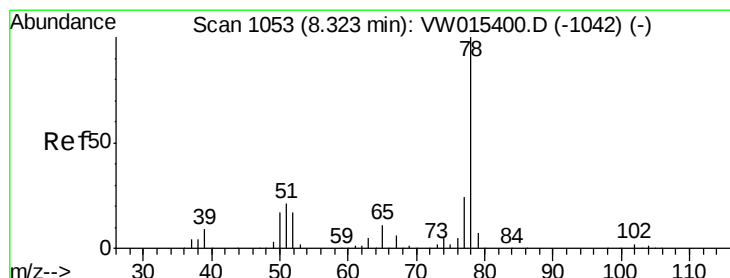
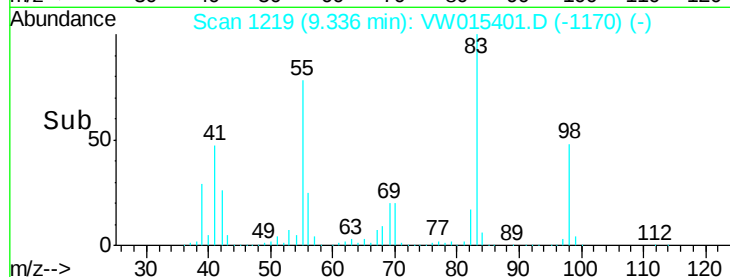
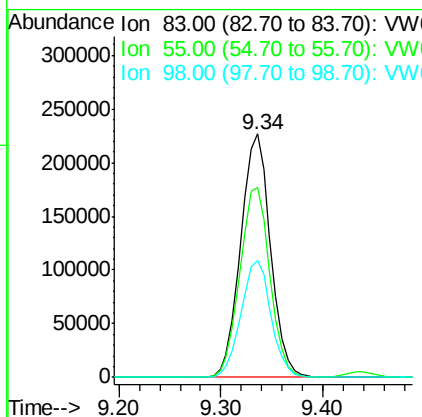
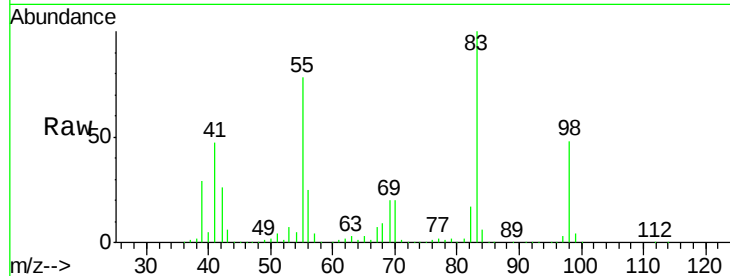
#39
Methvlcvclohexane
Concen: 100.210 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.9	92.9
98	48.1	38.2	57.2

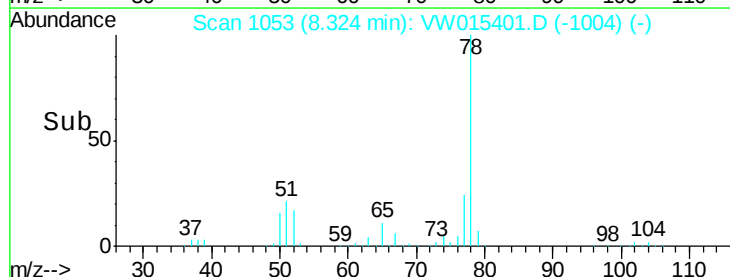
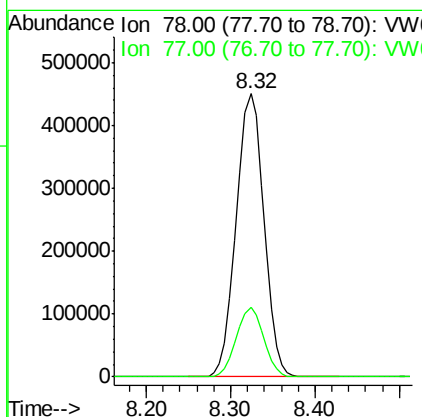
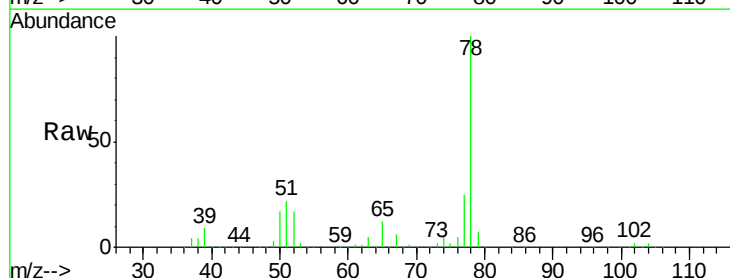
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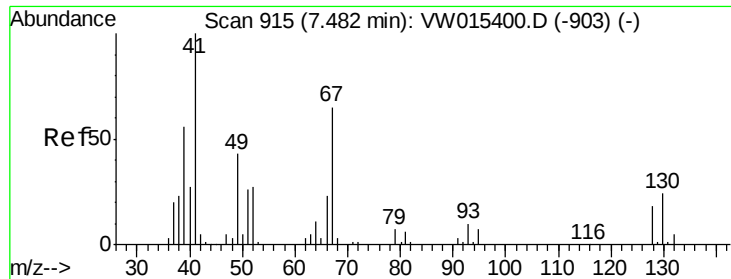
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#40
Benzene
Concen: 107.257 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.4





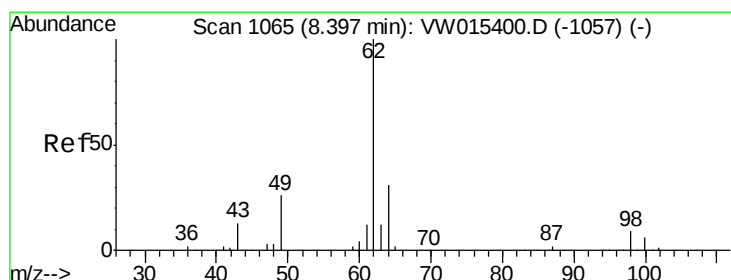
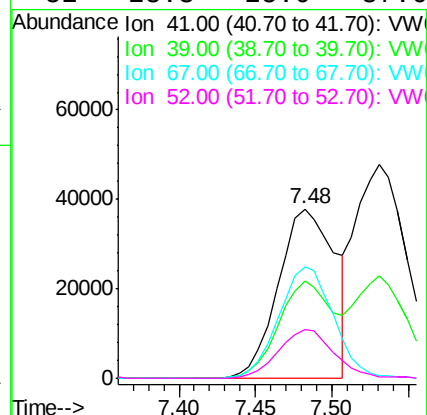
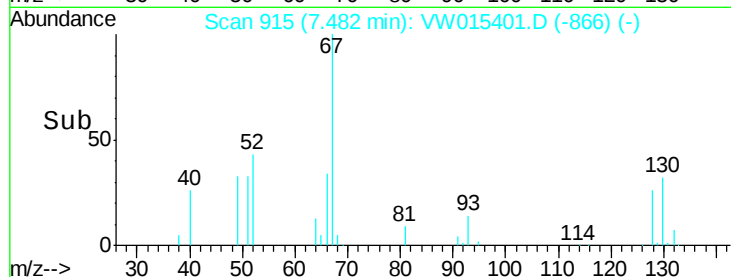
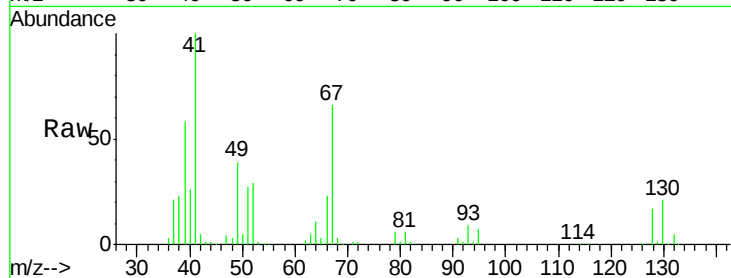
#41
Methacrylonitrile
Concen: 137.326 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	46.2	69.4
67	63.6	56.2	84.2
52	28.3	25.0	37.6

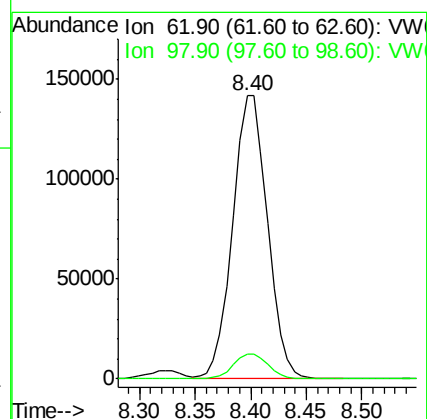
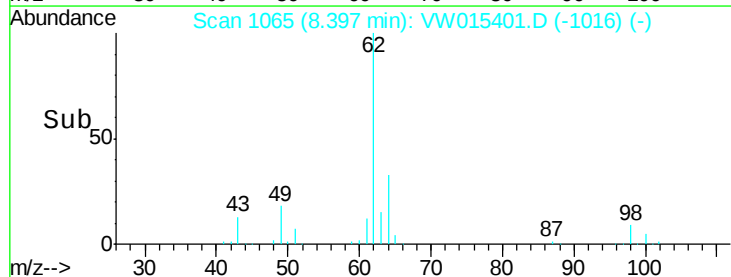
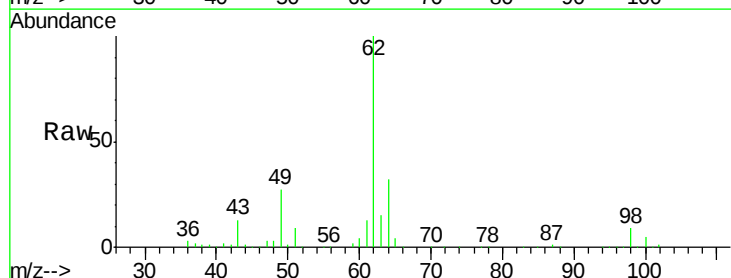
Manual Integrations
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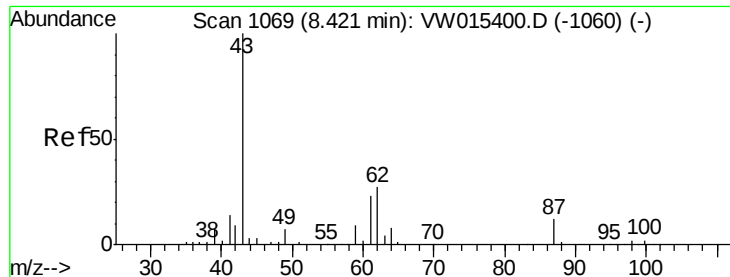
MMDadoda
5/6/2020 12:12:03 PM



#42
1,2-Dichloroethane
Concen: 110.807 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 126.301 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

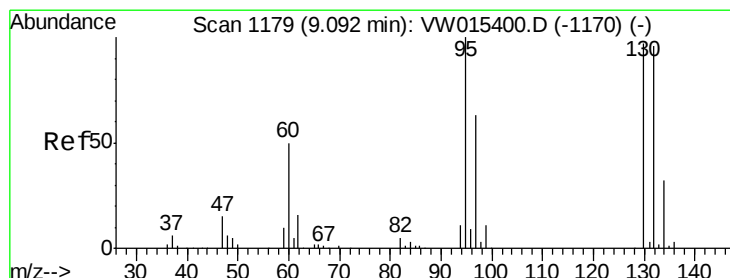
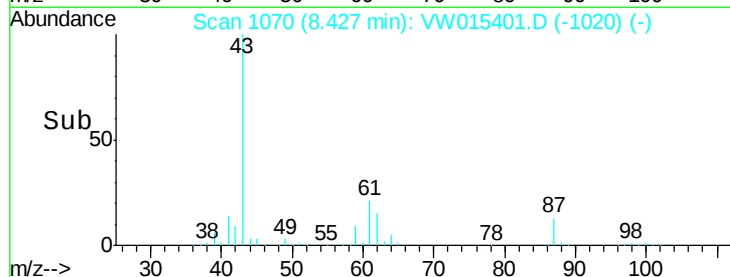
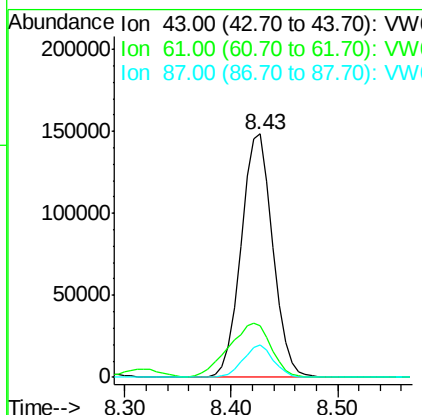
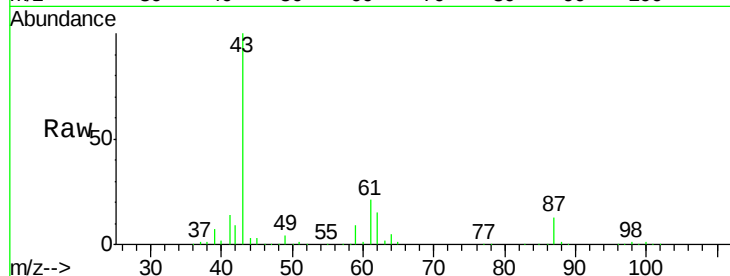
ClientSampled :

VSTDIC100

Tot Ion:	43	Resp:	309009
Ion	Ratio	Lower	Upper
43	100		
61	29.9	24.3	36.5
87	12.8	10.1	15.1

Manual Integrations
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#44

Trichloroethene

Concen: 93.486 ug/l

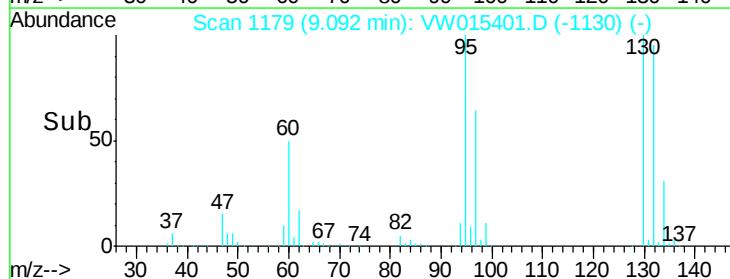
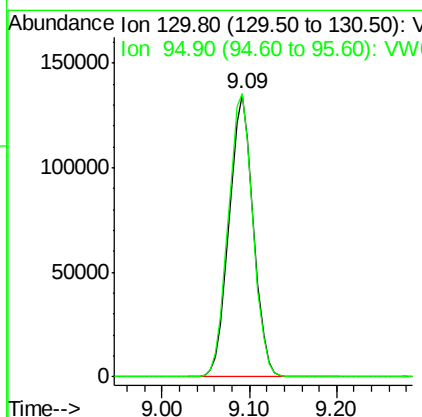
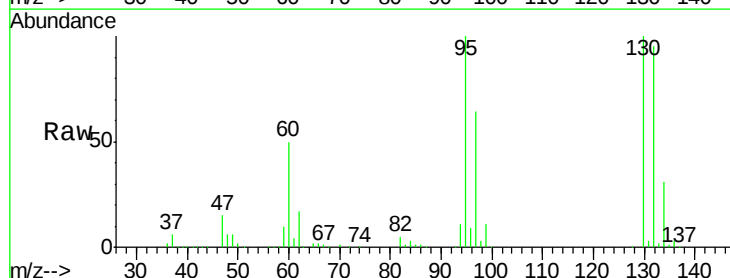
RT: 9.09 min Scan# 1179

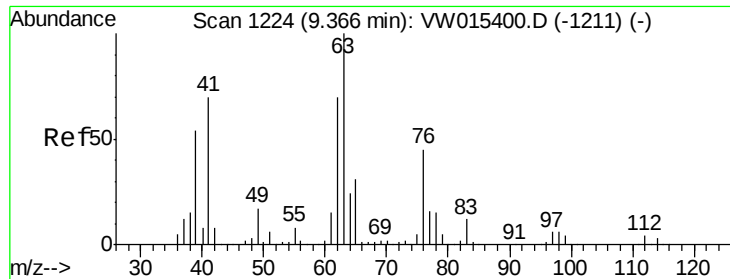
Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion:	130	Resp:	259624
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	205.8





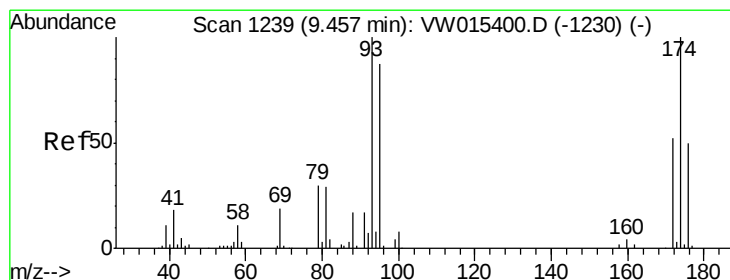
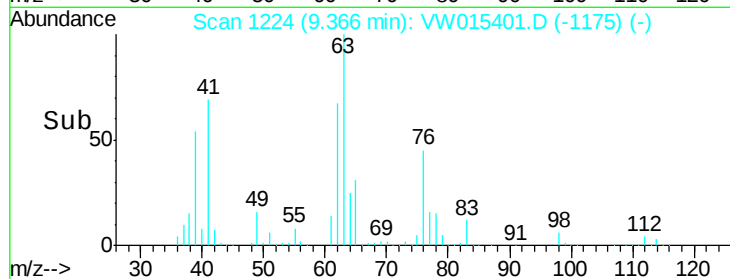
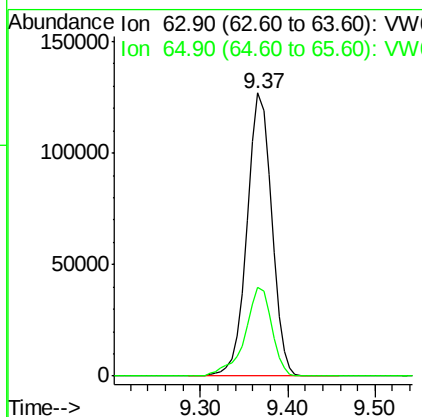
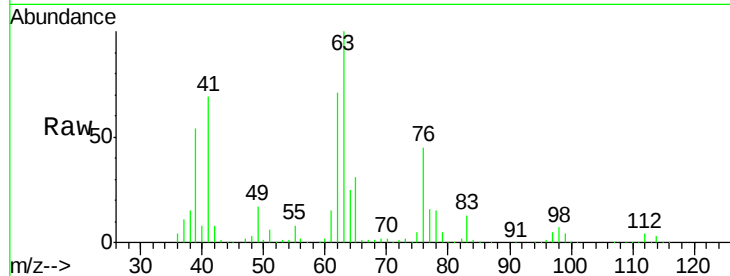
#45
 1,2-Dichloropropane
 Concen: 113.520 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.0	37.6

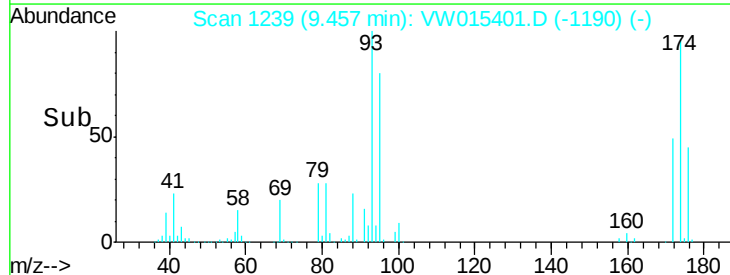
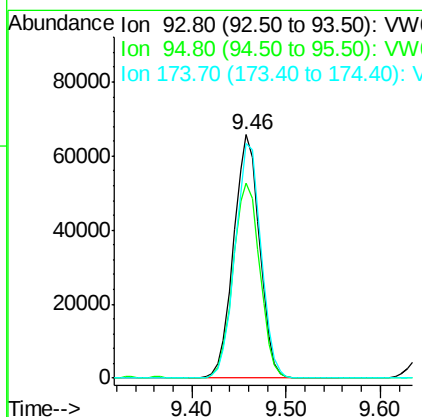
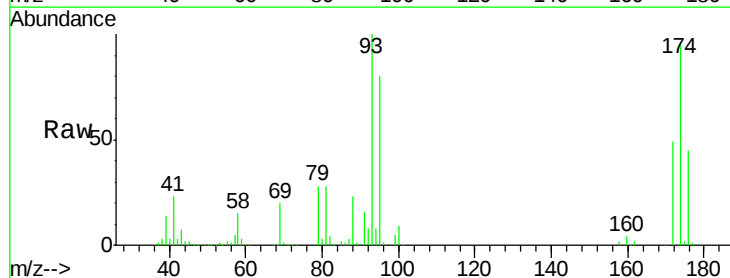
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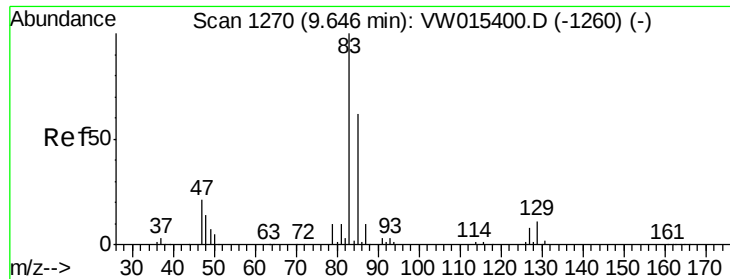
MMDadoda
 5/6/2020 12:12:03 PM



#46
 Dibromomethane
 Concen: 101.668 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.0	100.4
174	96.3	78.4	117.6





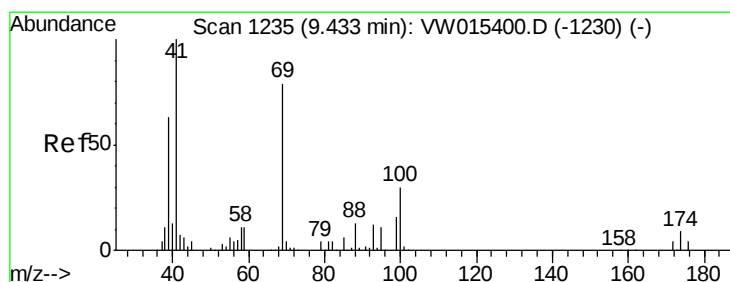
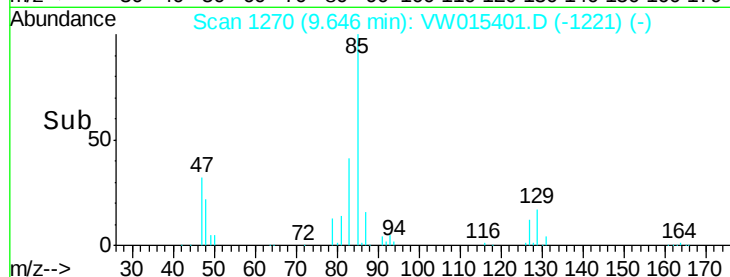
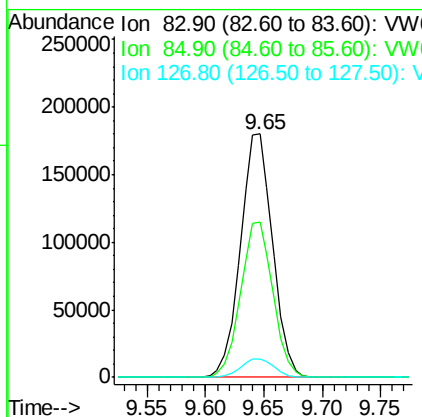
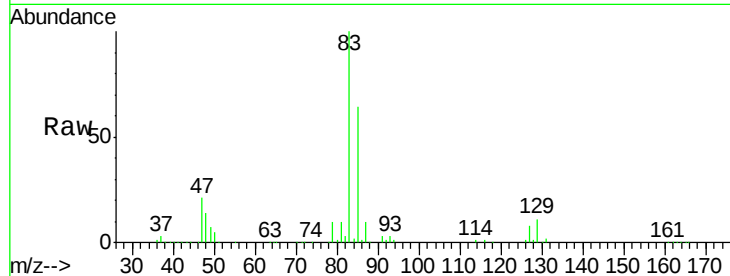
#47
 Bromodichloromethane
 Concen: 103.967 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	83	Resp:	345375
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.4	74.0
127	7.7	6.4	9.6

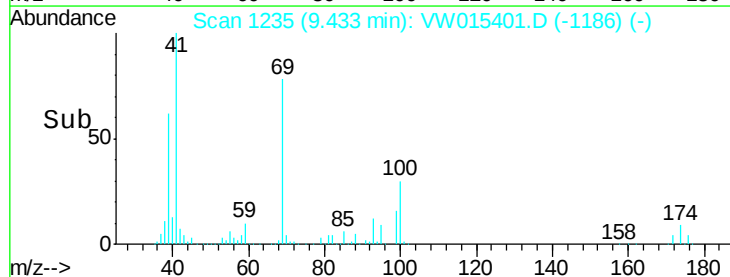
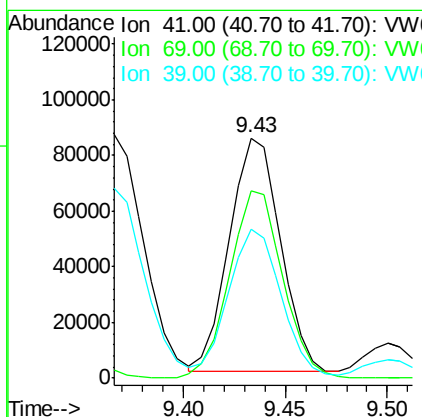
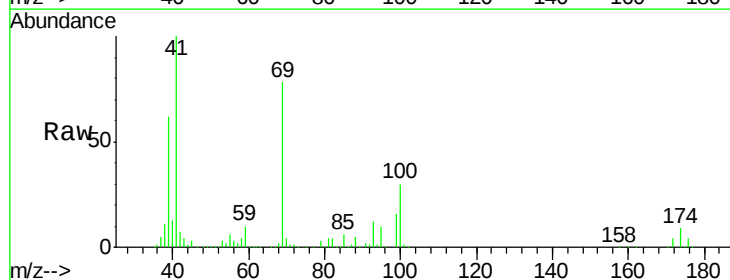
Manual Integrations
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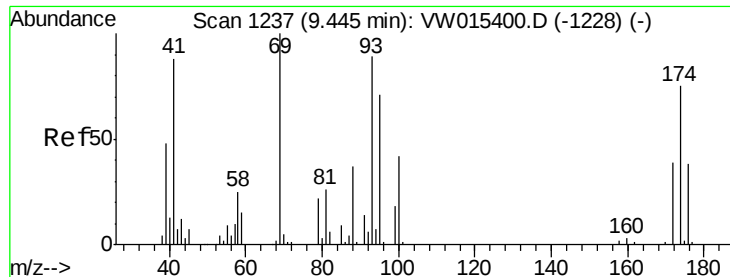
MMDadoda
 5/6/2020 12:12:03 PM



#48
 Methyl methacrylate
 Concen: 127.568 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion:	41	Resp:	146837
Ion Ratio	Lower	Upper	
41	100		
69	83.0	66.2	99.4
39	62.6	51.1	76.7





#49

1,4-Dioxane

Concen: 1957.757 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 31991

Ion Ratio Lower Upper

88 100

43 35.3 30.6 45.8

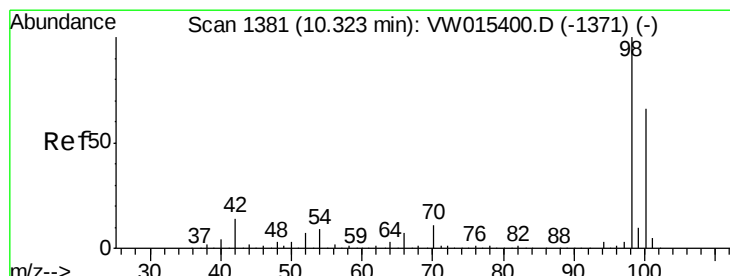
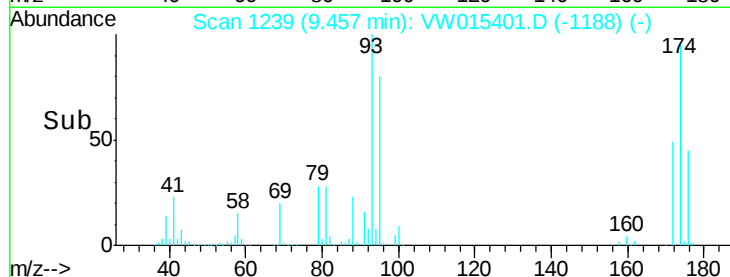
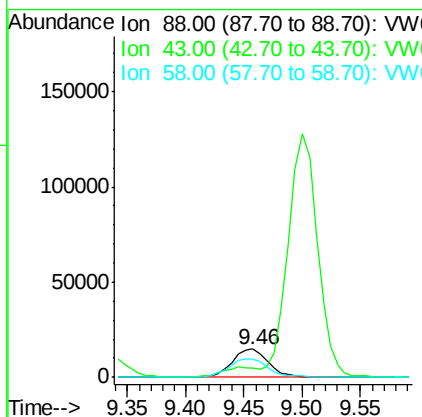
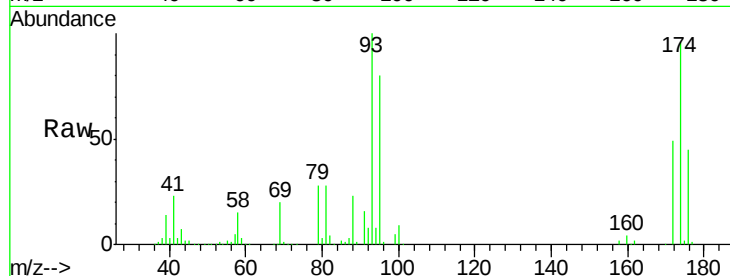
58 73.8 56.3 84.5

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#50

Toluene-d8

Concen: 102.902 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015401.D

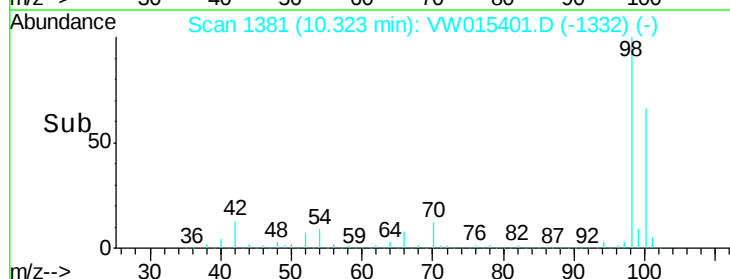
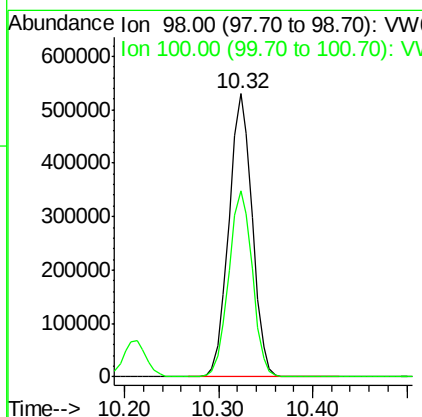
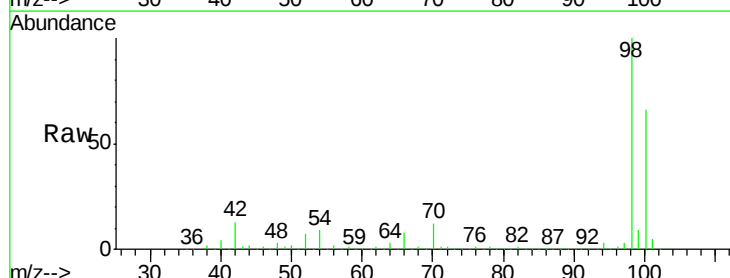
Acq: 05 May 2020 17:51

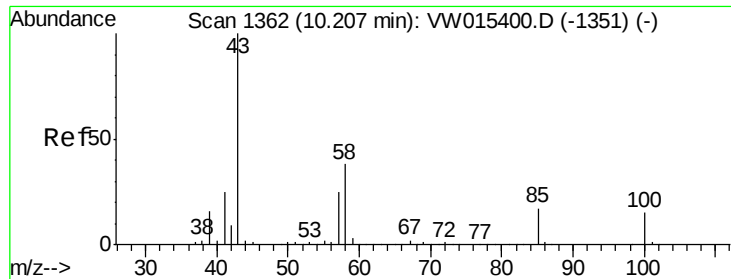
Tgt Ion: 98 Resp: 908747

Ion Ratio Lower Upper

98 100

100 66.3 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 640.029 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 737932

Ion Ratio Lower Upper

43 100

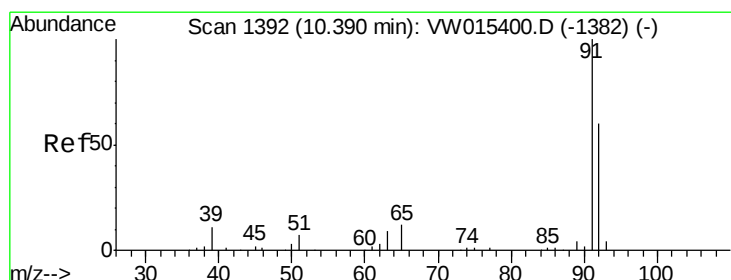
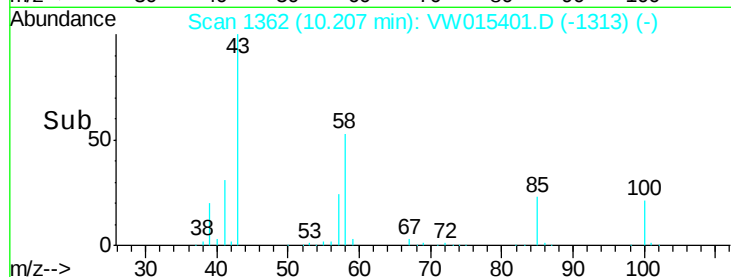
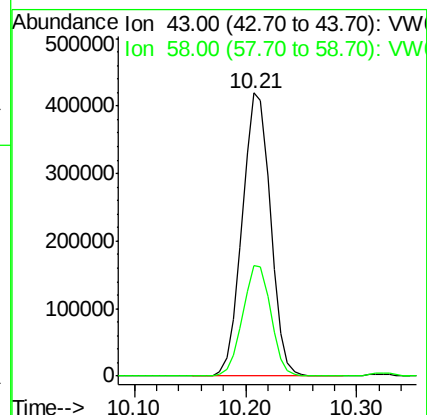
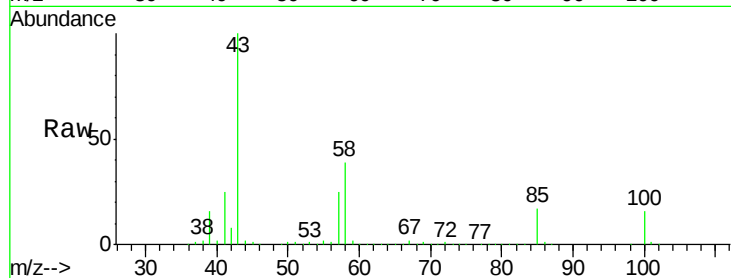
58 39.1 30.8 46.2

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#52

Toluene

Concen: 101.501 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015401.D

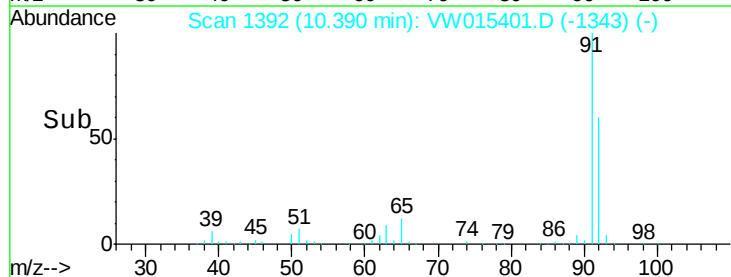
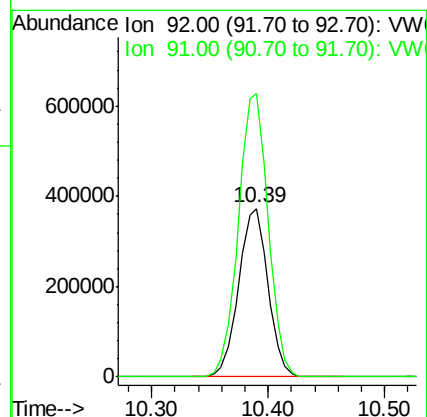
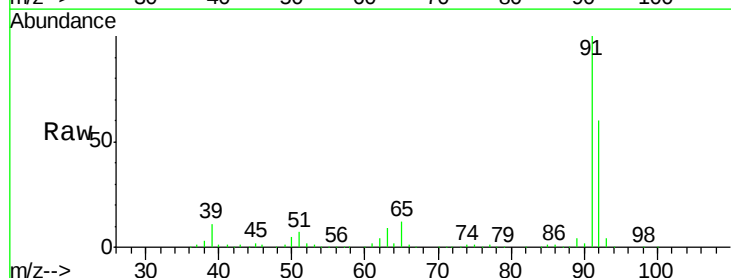
Acq: 05 May 2020 17:51

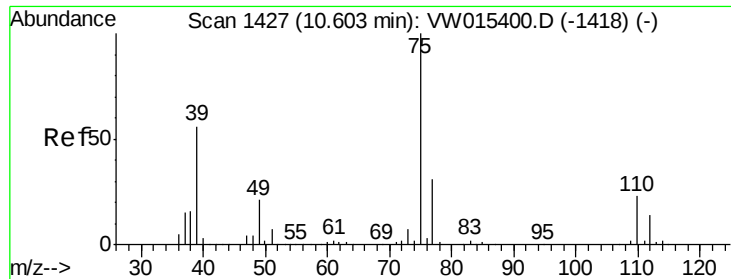
Tgt Ion: 92 Resp: 653737

Ion Ratio Lower Upper

92 100

91 171.0 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 108.811 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 357744

Ion Ratio Lower Upper

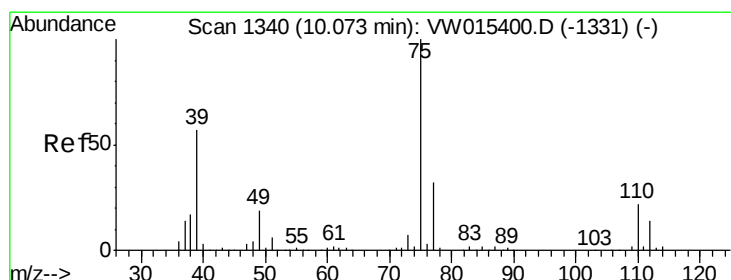
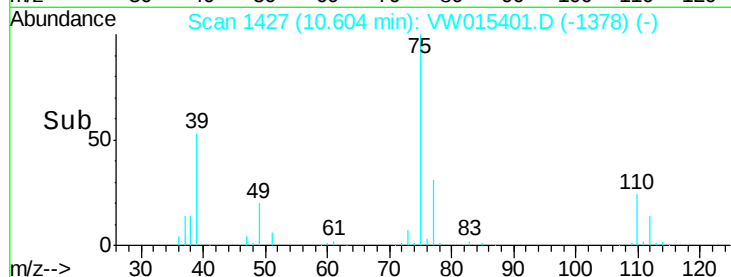
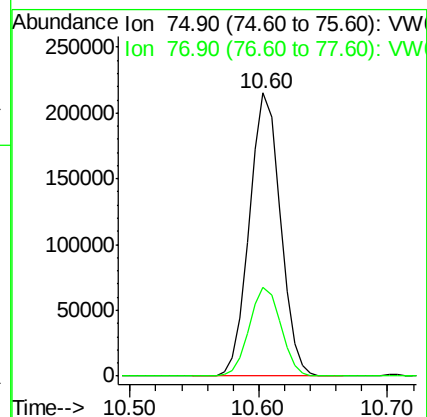
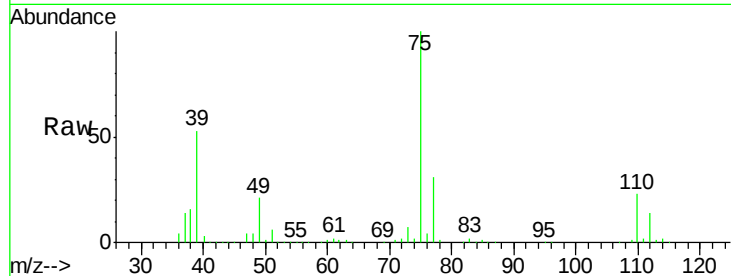
75 100

77 31.3 24.9 37.3

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 108.193 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

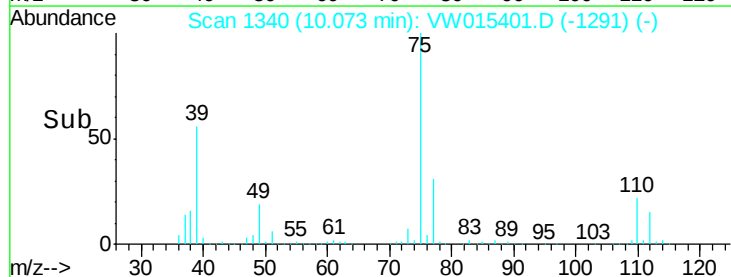
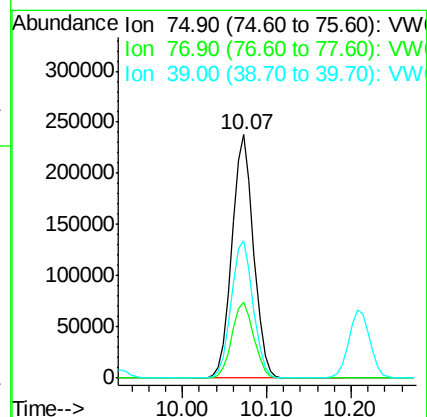
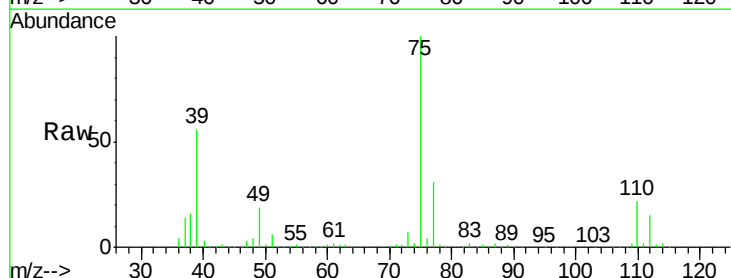
Tgt Ion: 75 Resp: 414656

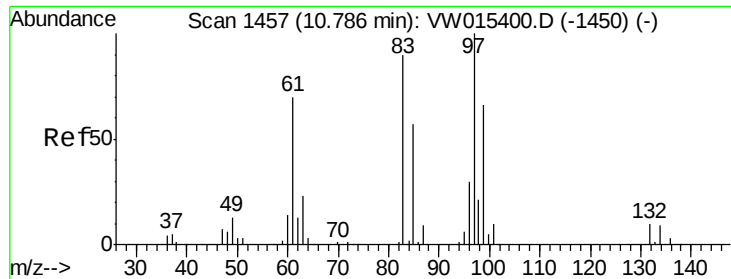
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 56.4 45.6 68.4





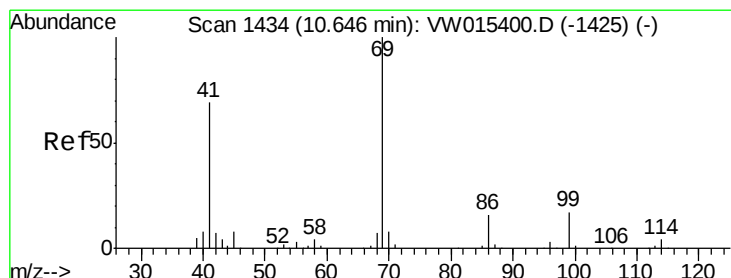
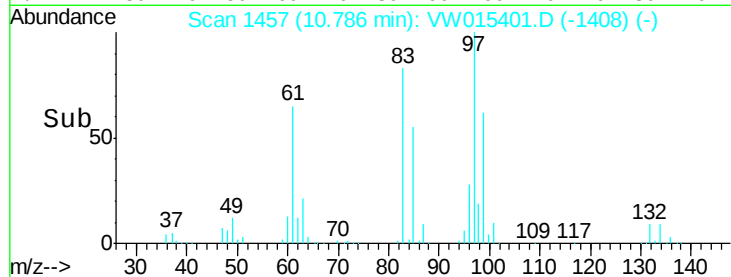
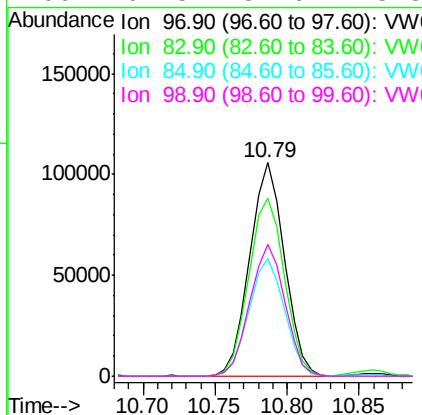
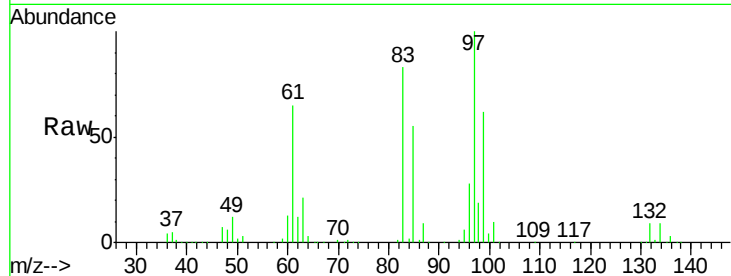
#55
 1,1,2-Trichloroethane
 Concen: 101.877 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	176663
Ion	Ratio	Lower	Upper
97	100		
83	83.3	72.2	108.4
85	55.4	45.2	67.8
99	61.5	52.6	78.8

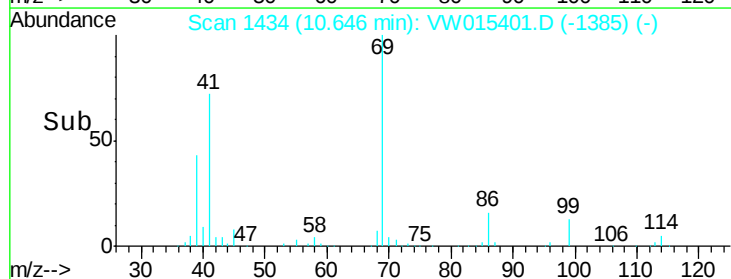
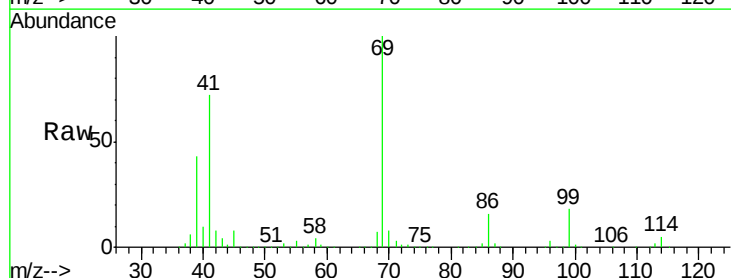
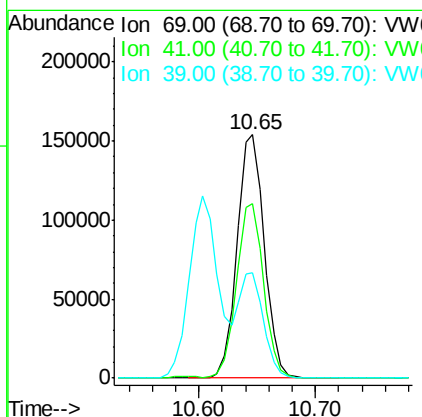
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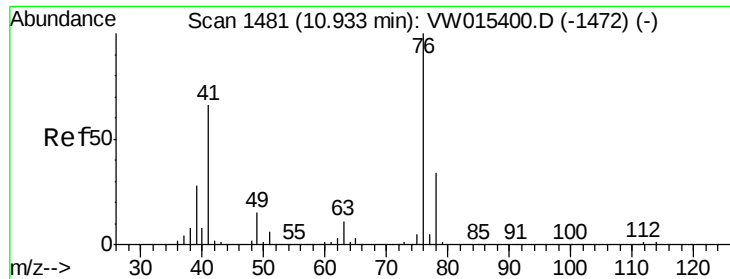
MMDadoda
 5/6/2020 12:12:03 PM



#56
 Ethyl methacrylate
 Concen: 111.129 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion:	69	Resp:	251272
Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.3	82.9
39	39.3	31.9	47.9





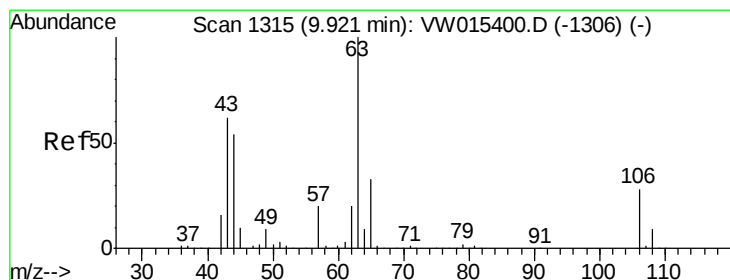
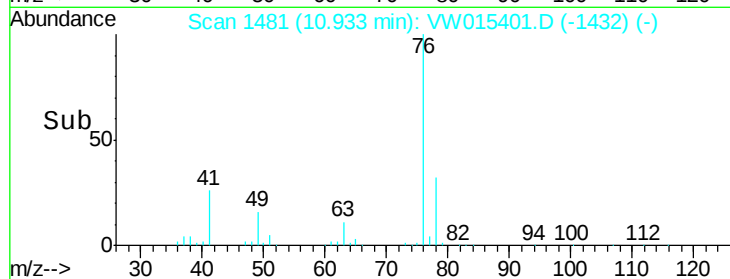
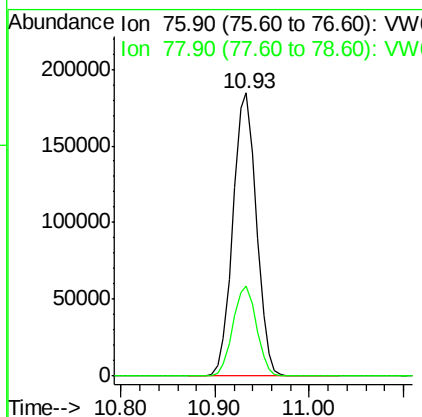
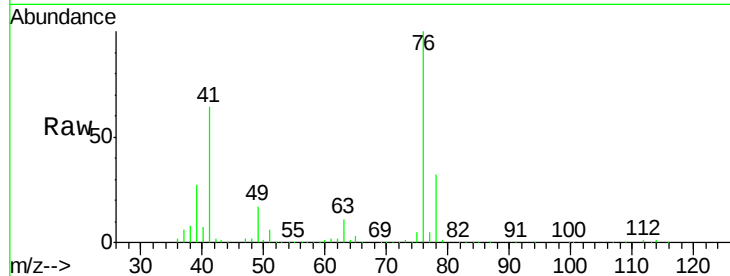
#57
 1,3-Dichloropropane
 Concen: 109.660 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.3	39.5

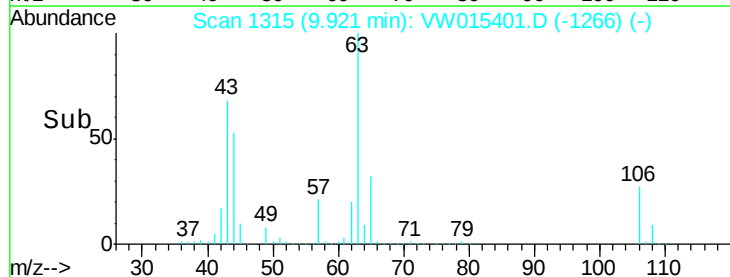
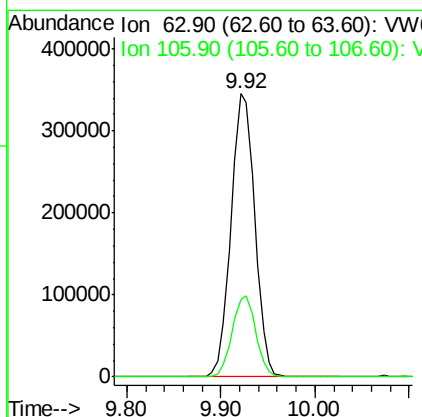
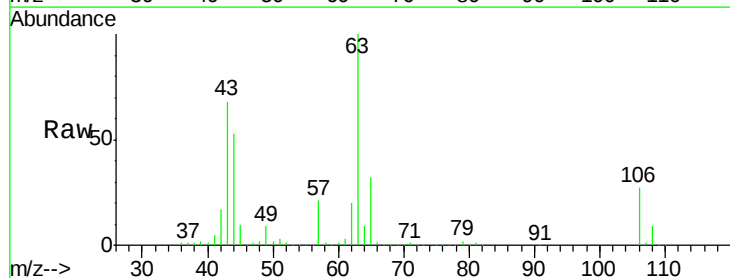
Manual Integrations
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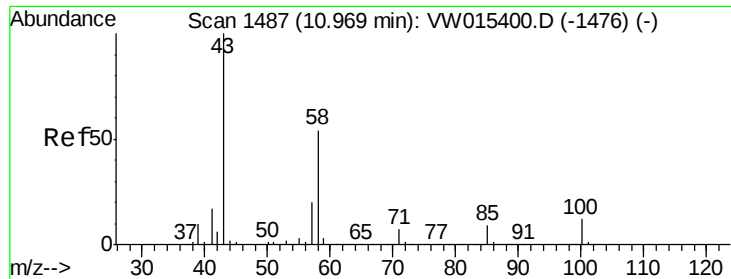
MMDadoda
 5/6/2020 12:12:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 573.787 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.6	33.8





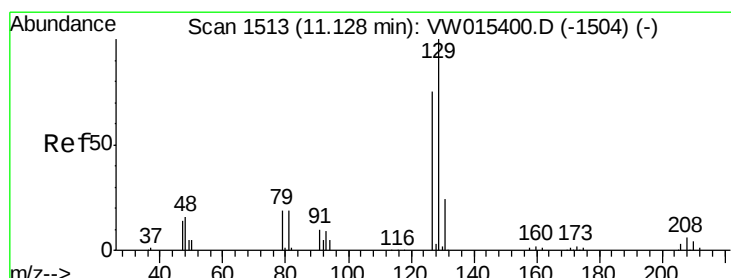
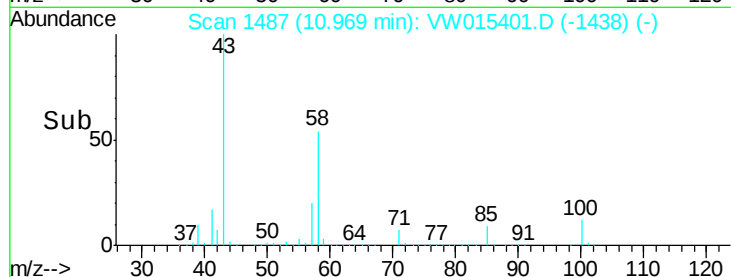
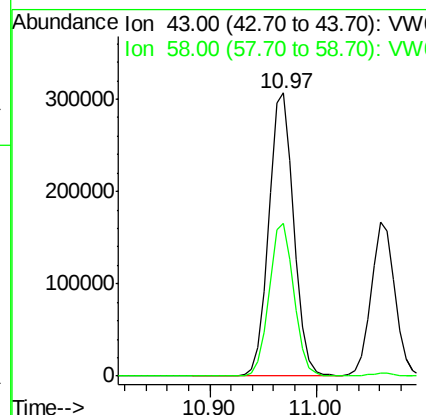
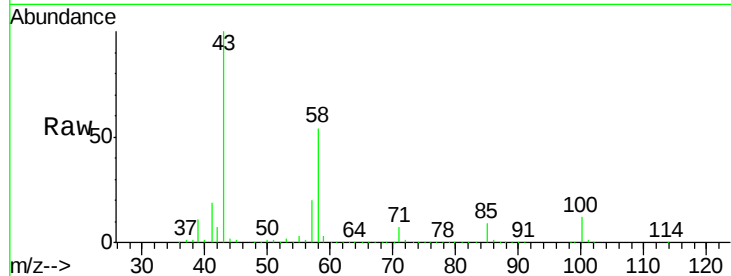
#59
2-Hexanone
Concen: 617.434 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 502807
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.0

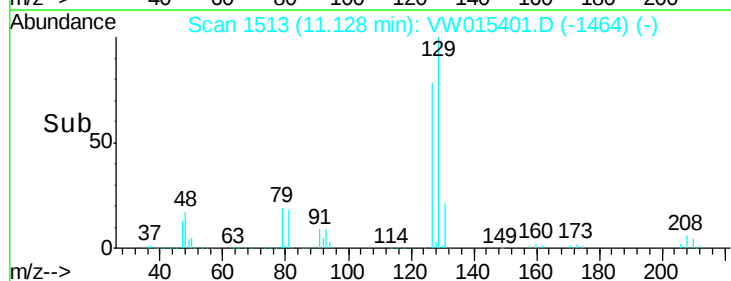
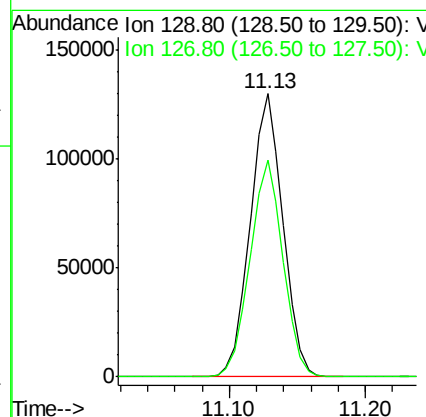
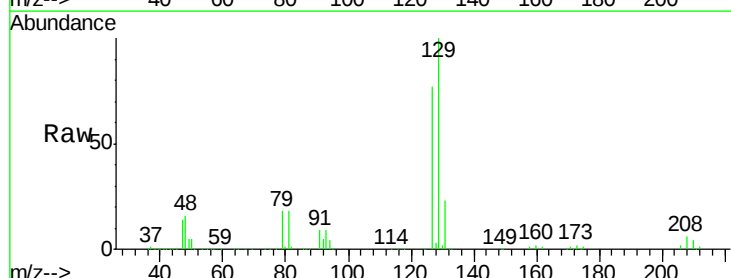
Manual Integrations
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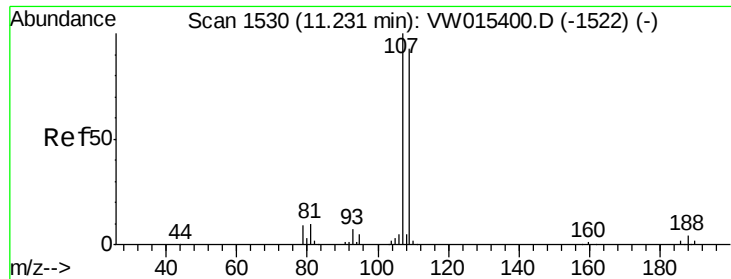
MMDadoda
5/6/2020 12:12:03 PM



#60
Dibromochloromethane
Concen: 96.988 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion:129 Resp: 218869
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





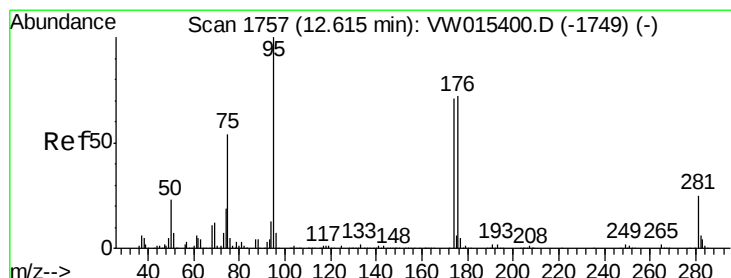
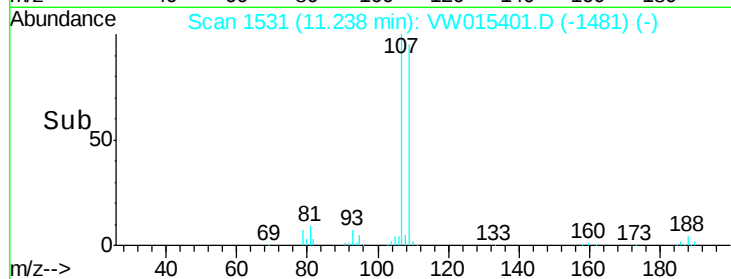
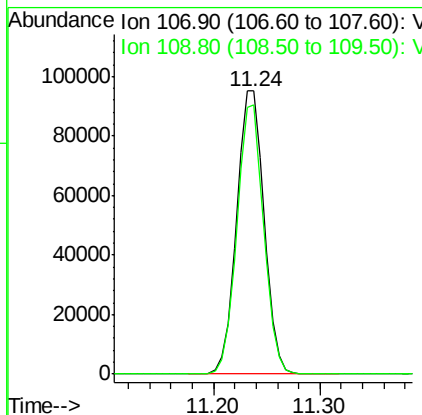
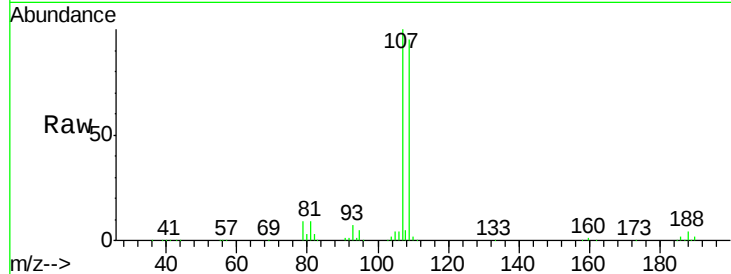
#61
 1,2-Dibromoethane
 Concen: 102.307 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.0	112.4

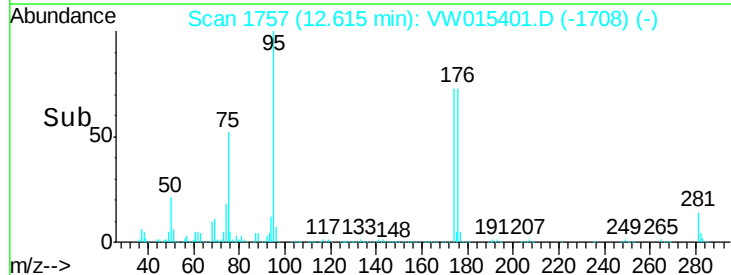
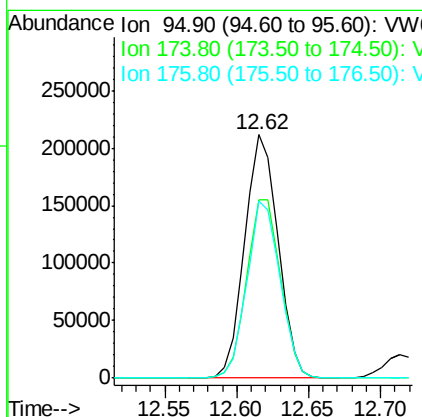
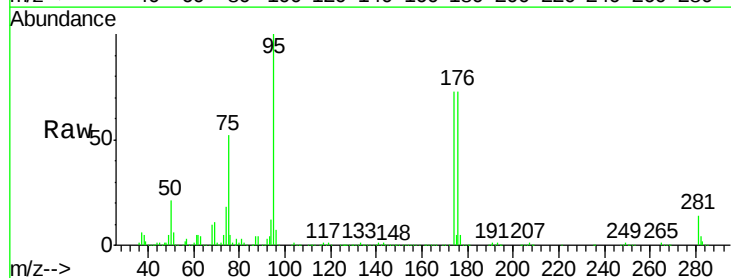
Manual Integrations
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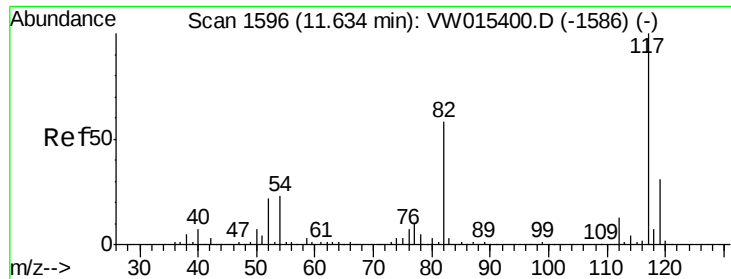
MMDadoda
 5/6/2020 12:12:03 PM



#62
 4-Bromofluorobenzene
 Concen: 101.227 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	147.6
176	72.2	0.0	144.4





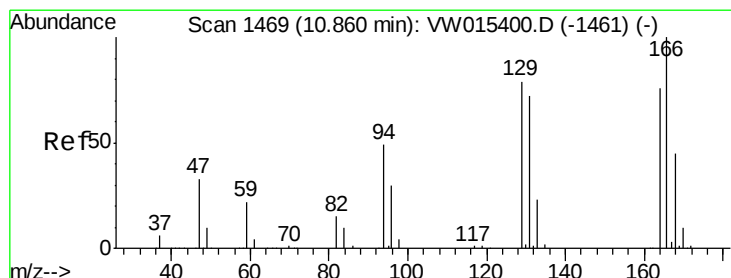
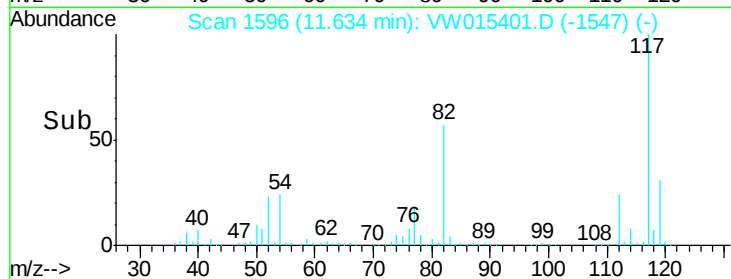
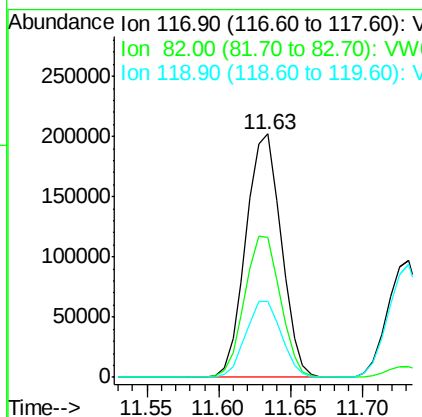
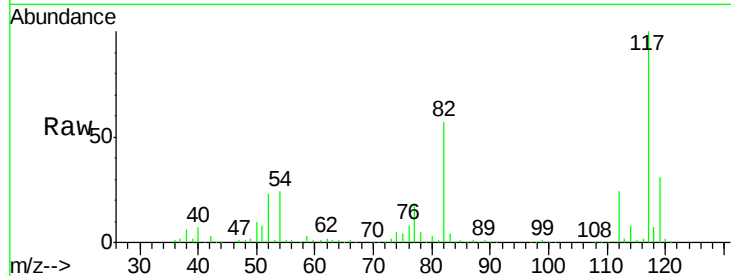
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.4	69.6
119	31.2	24.6	37.0

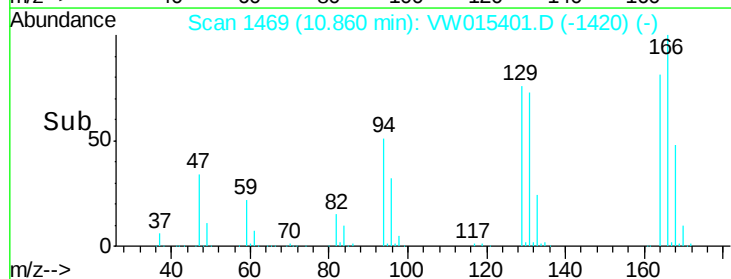
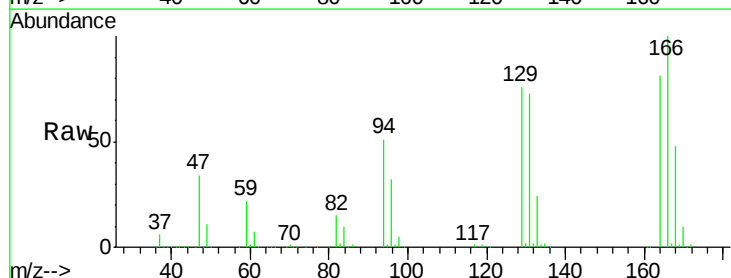
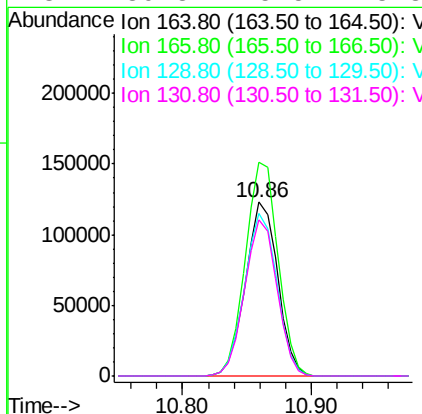
Manual Integrations
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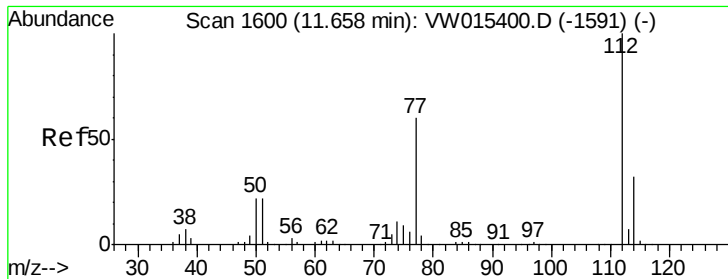
MMDadoda
5/6/2020 12:12:03 PM



#64
Tetrachloroethene
Concen: 87.327 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	104.9	157.3
129	93.7	82.7	124.1
131	89.8	75.5	113.3





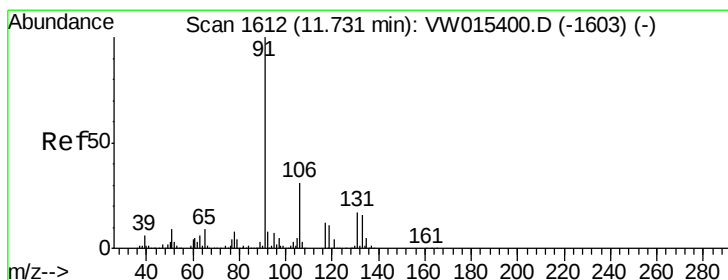
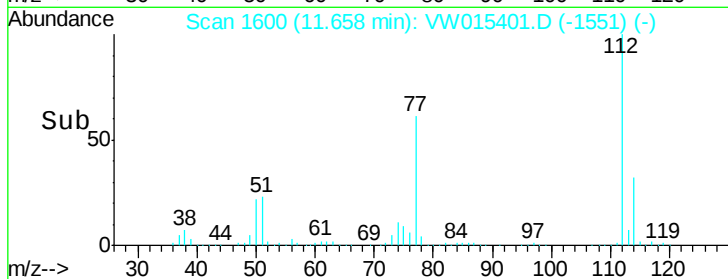
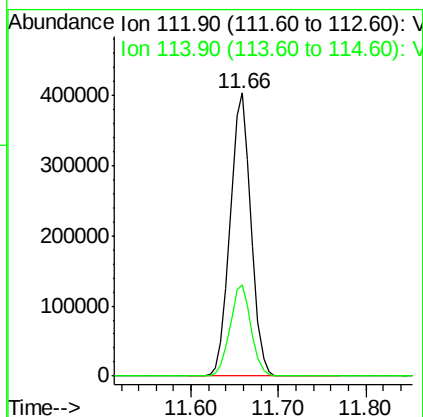
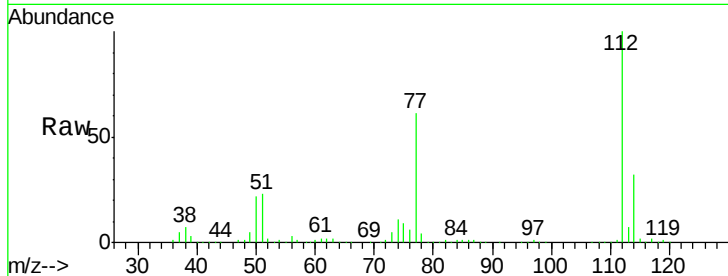
#65
Chlorobenzene
Concen: 98.347 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 668176
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

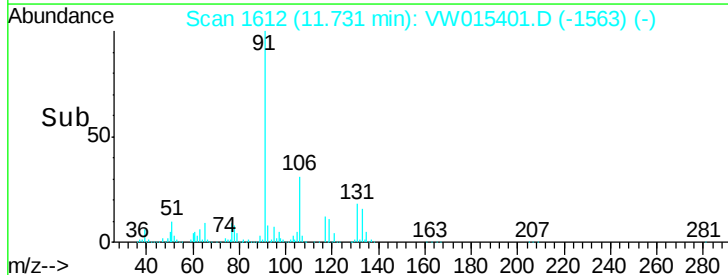
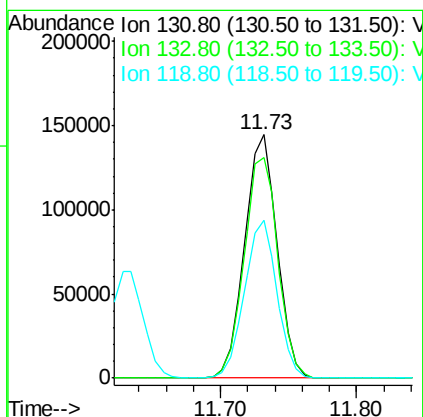
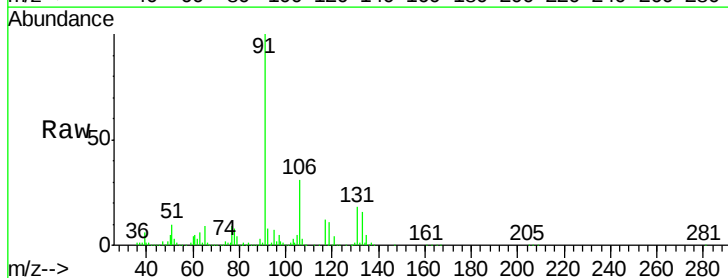
Manual Integrations
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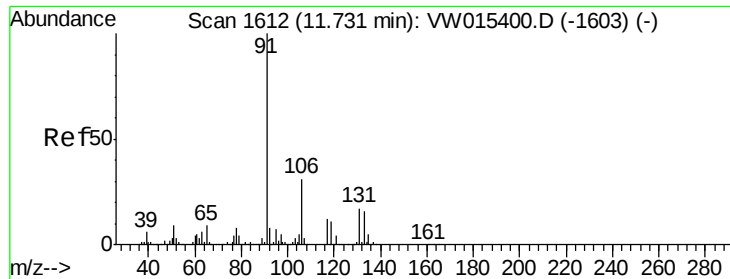
MMDadoda
5/6/2020 12:12:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 98.940 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion:131 Resp: 241221
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.8
119 65.0 33.0 99.0





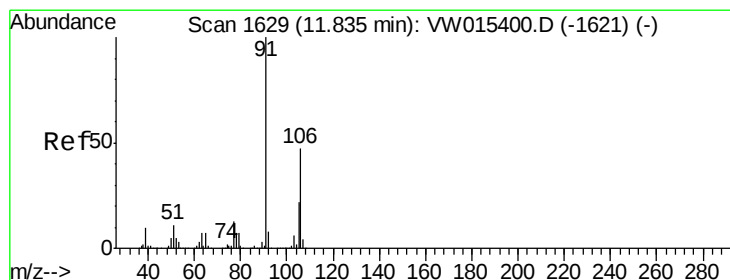
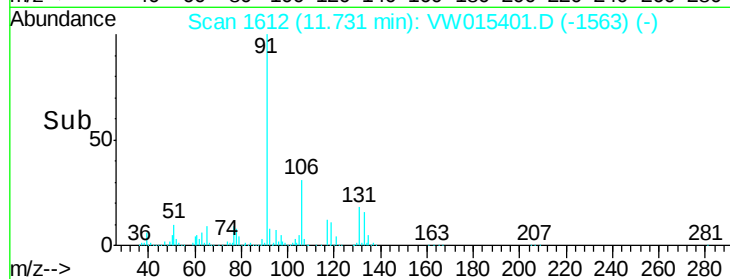
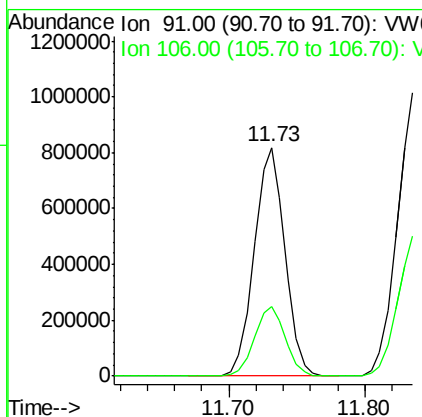
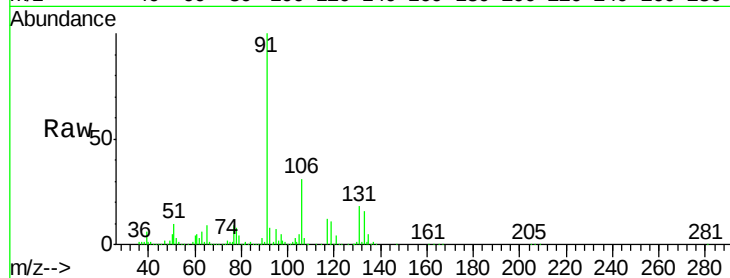
#67
Ethyl Benzene
Concen: 101.547 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1291783
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8

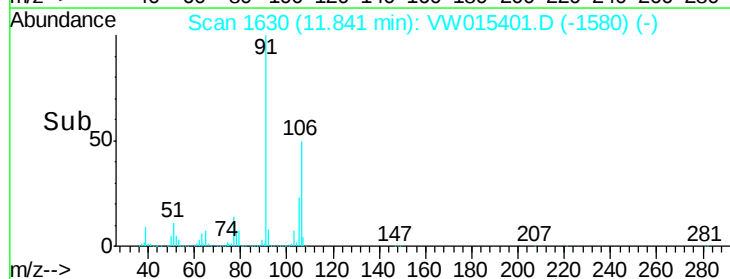
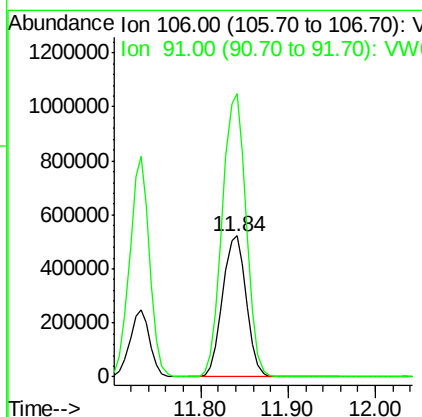
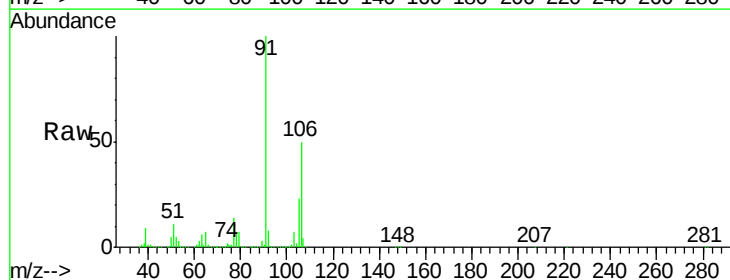
Manual Integrations
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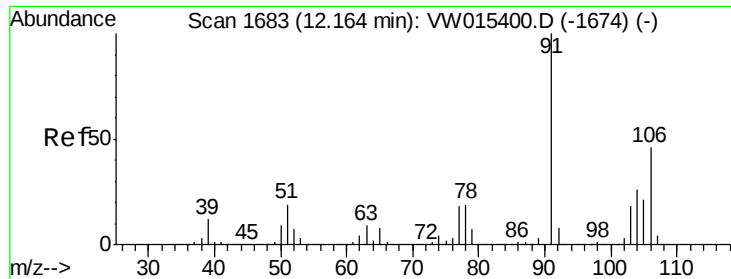
MMDadoda
5/6/2020 12:12:03 PM



#68
m/p-Xylenes
Concen: 198.572 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion: 106 Resp: 979873
Ion Ratio Lower Upper
106 100
91 202.5 165.7 248.5





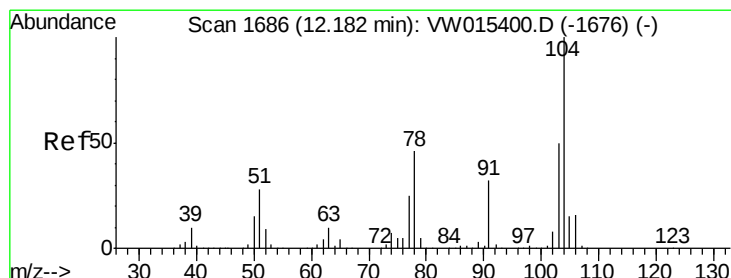
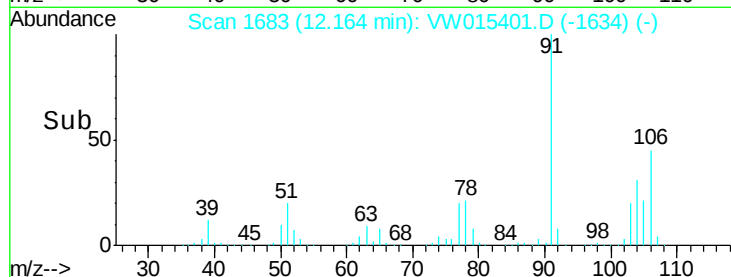
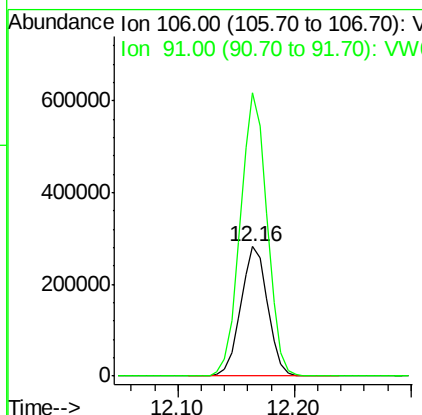
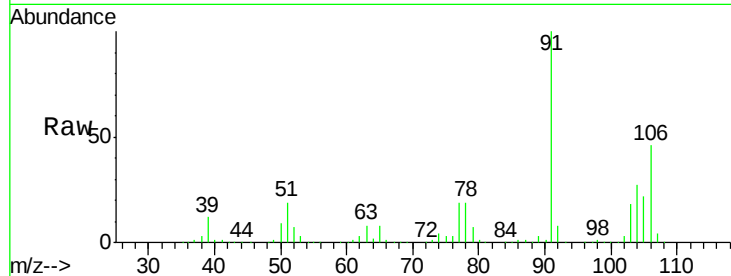
#69
o-Xylene
Concen: 98.123 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 453567
Ion Ratio Lower Upper
106 100
91 218.0 109.0 327.0

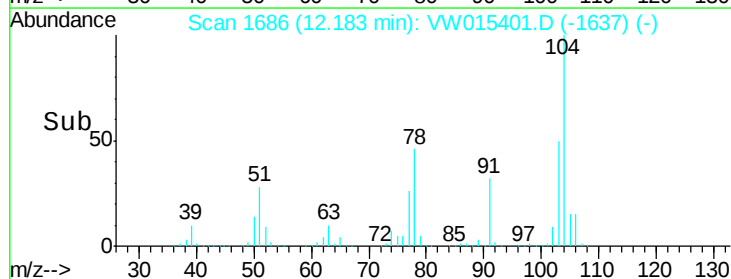
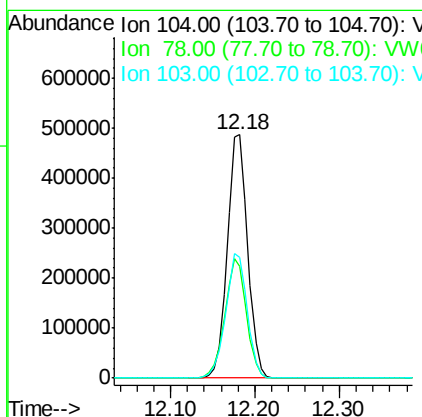
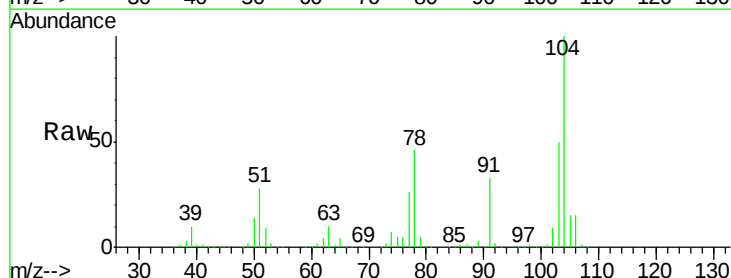
Manual Integrations
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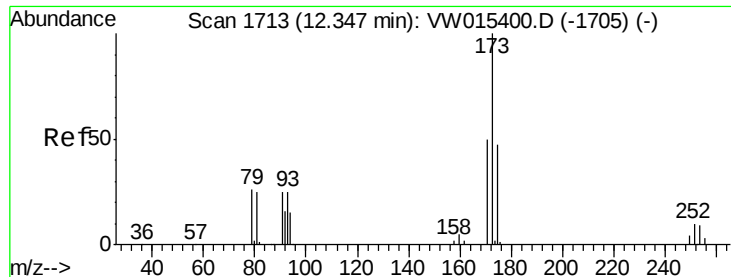
MMDadoda
5/6/2020 12:12:03 PM



#70
Styrene
Concen: 101.690 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion:104 Resp: 802493
Ion Ratio Lower Upper
104 100
78 52.1 41.8 62.8
103 54.2 43.6 65.4





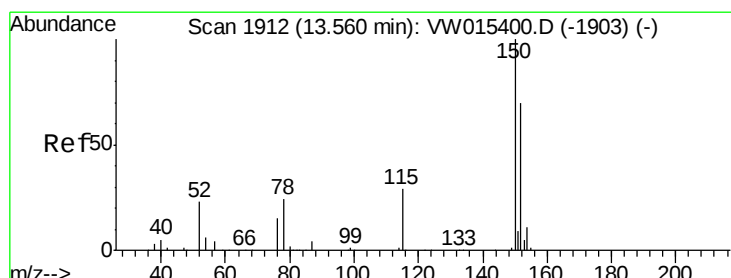
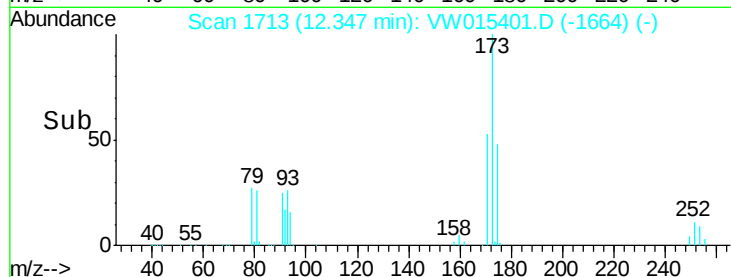
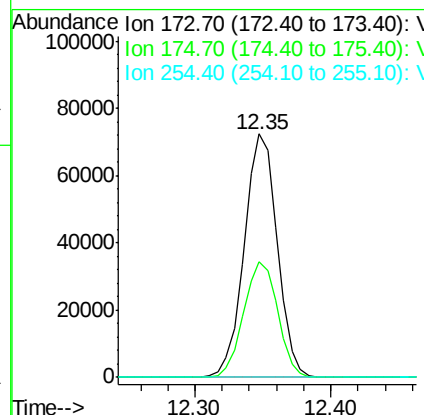
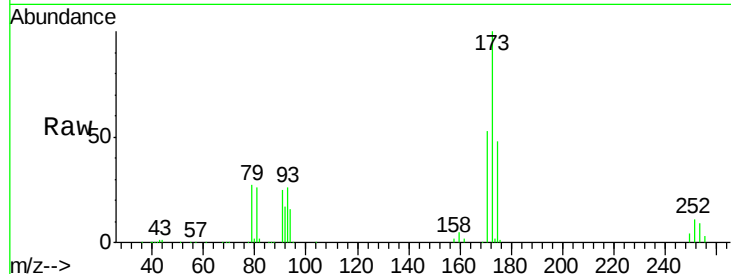
#71
Bromoform
Concen: 90.679 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.8	71.4
254	0.1	0.0	0.0

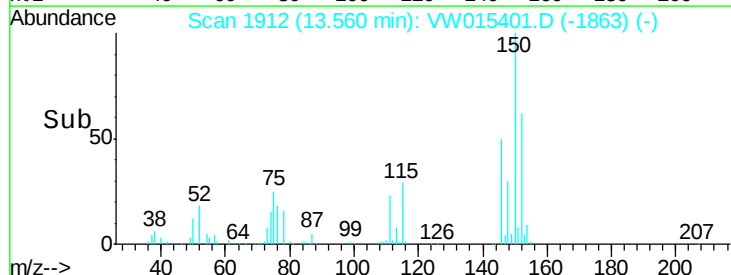
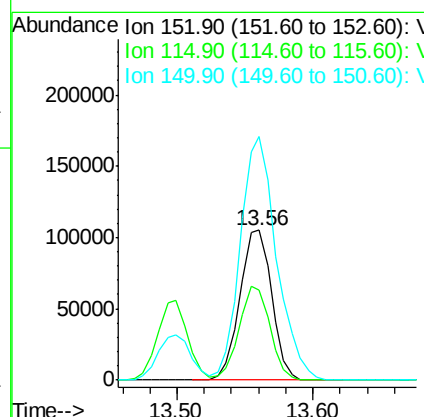
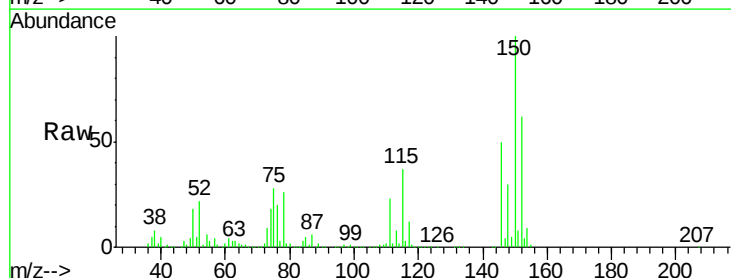
Manual Integrations
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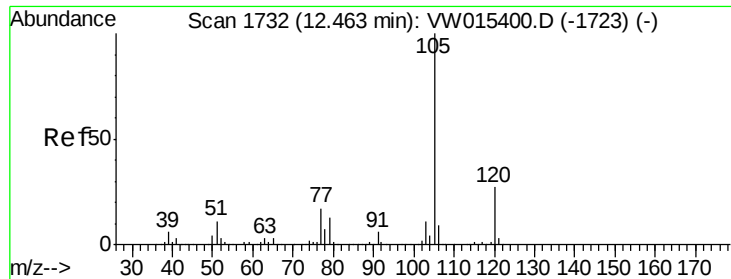
MMDadoda
5/6/2020 12:12:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.3	90.8
150	184.4	0.0	344.4





#73

Isopropylbenzene

Concen: 103.981 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1265872

Ion Ratio Lower Upper

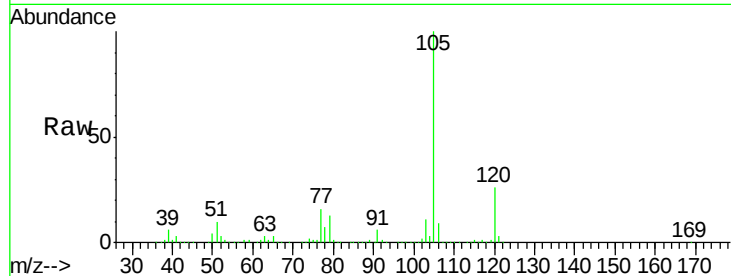
105 100

120 25.8 13.1 39.3

Manual Integrations
APPROVED

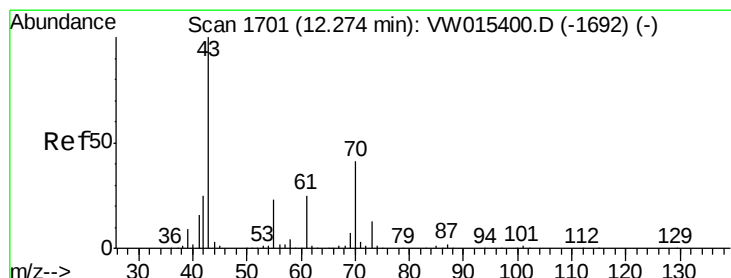
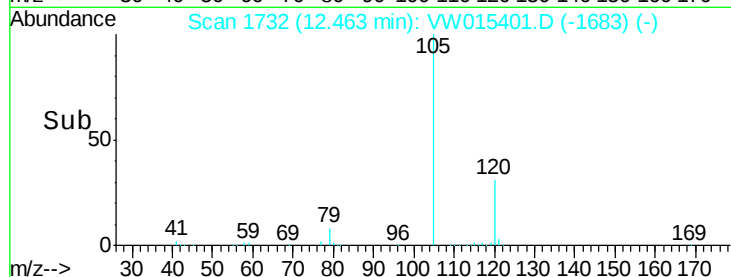
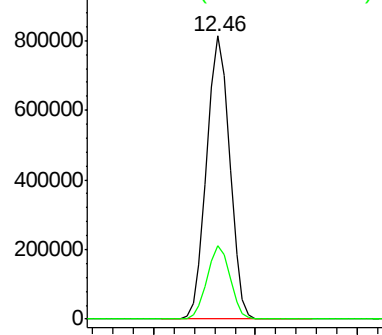
MMDadoda

5/6/2020 12:12:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 139.073 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion: 43 Resp: 310875

Ion Ratio Lower Upper

43 100

70 42.0 33.4 50.0

55 23.0 18.9 28.3

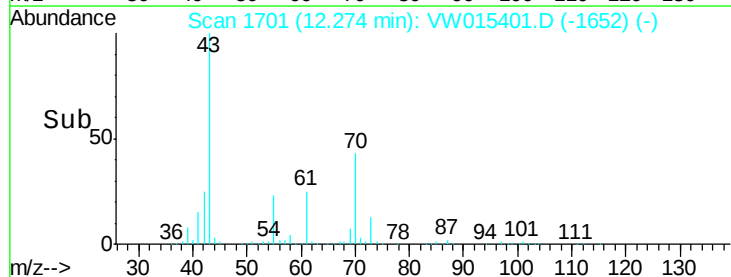
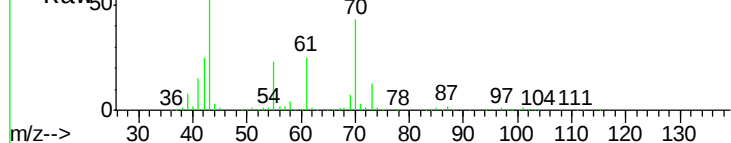
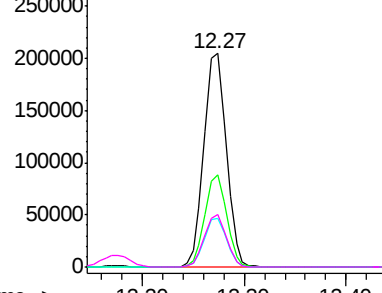
61 24.1 19.4 29.0

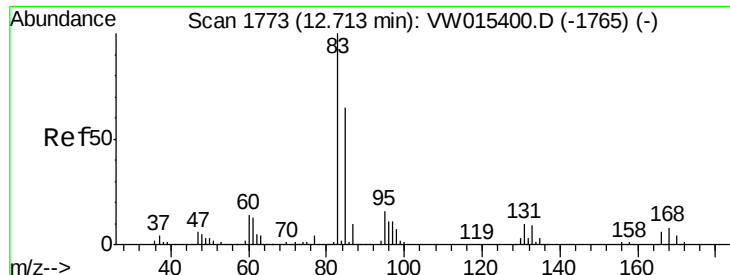
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 115.589 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

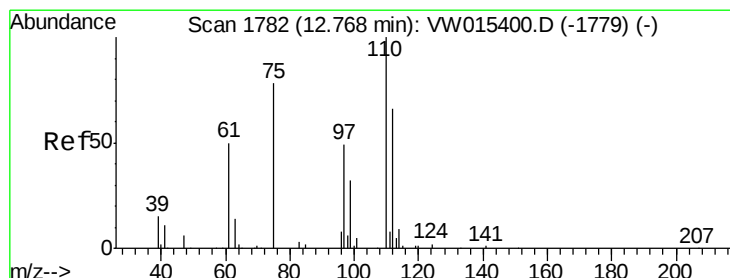
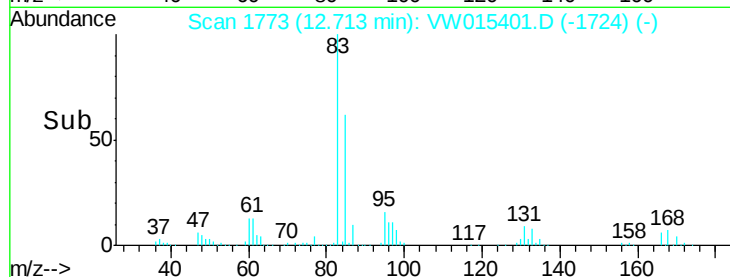
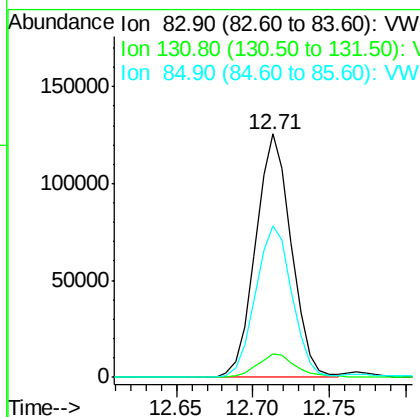
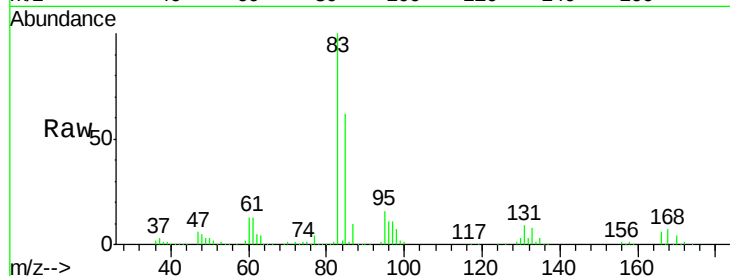
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	204232
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.2
85	63.8	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 98.964 ug/l m

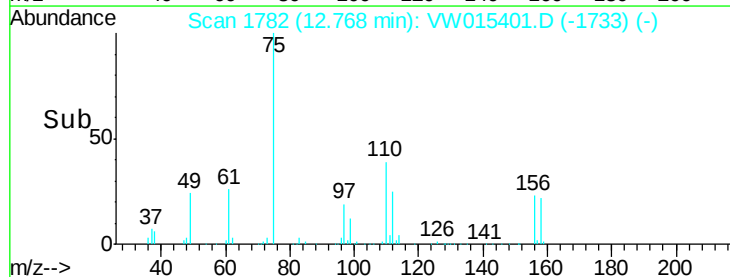
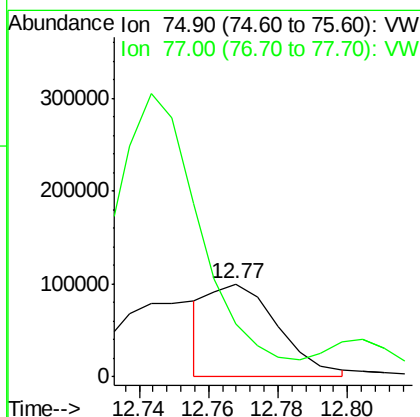
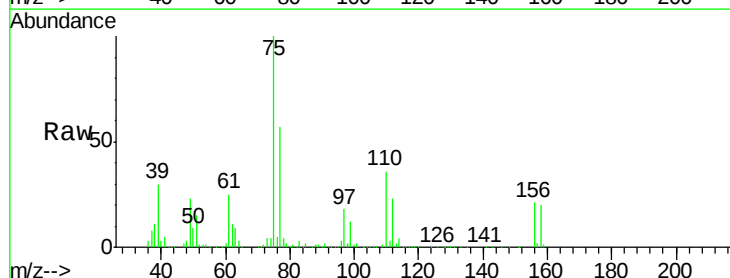
RT: 12.77 min Scan# 1782

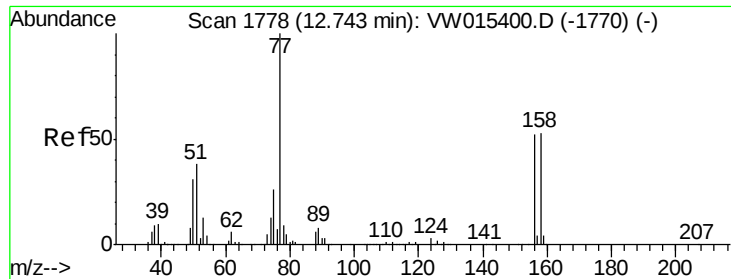
Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion:	75	Resp:	137712
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





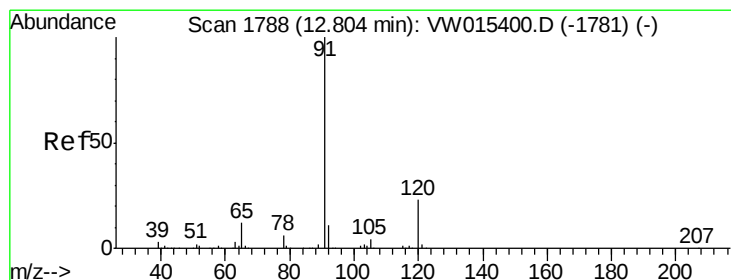
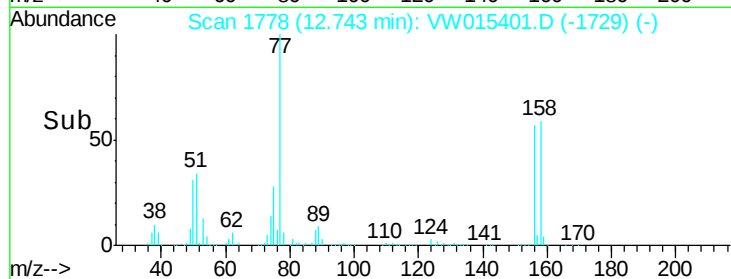
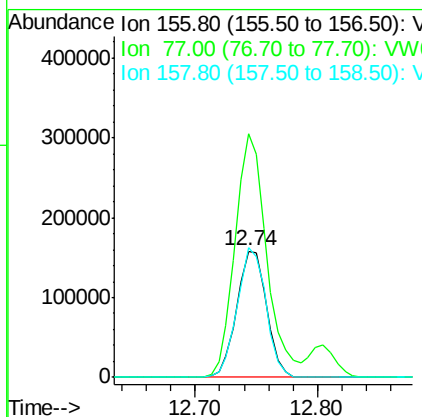
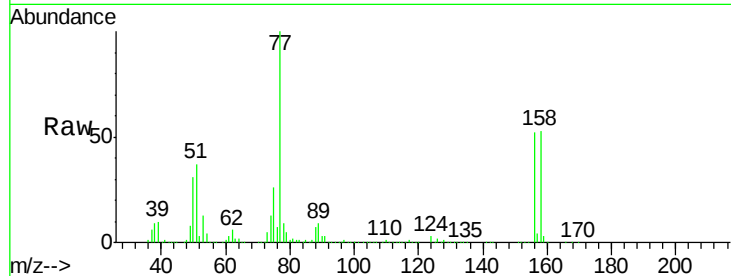
#77
Bromobenzene
Concen: 96.944 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	205.1	101.8	305.6
158	98.7	48.3	144.8

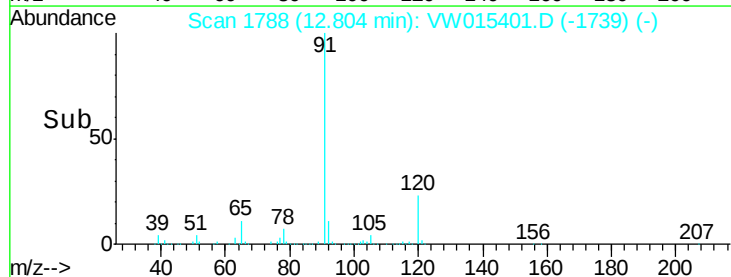
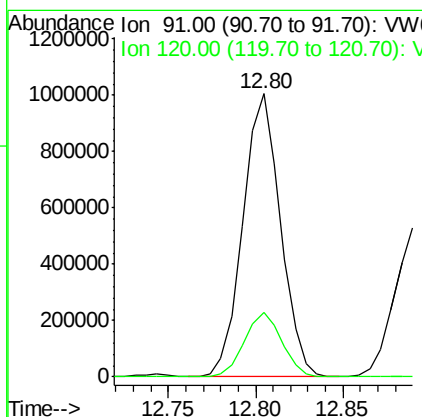
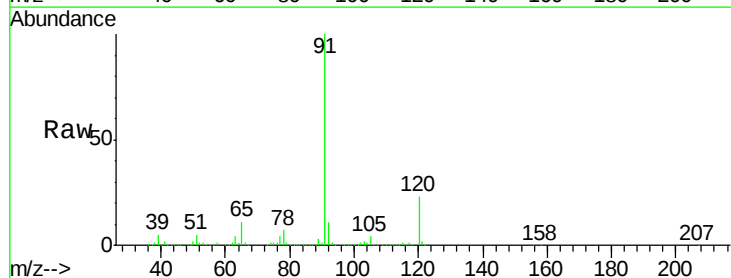
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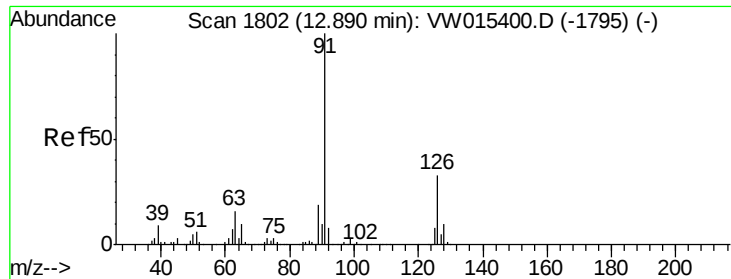
MMDadoda
5/6/2020 12:12:03 PM



#78
n-propylbenzene
Concen: 105.428 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.2	33.6





#79

2-Chlorotoluene

Concen: 106.184 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 851481

Ion Ratio Lower Upper

91 100

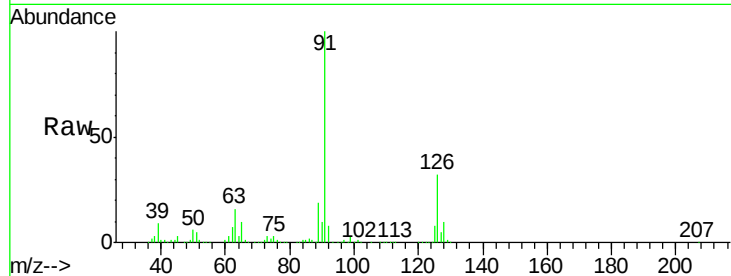
126 32.5 16.1 48.2

Manual Integrations

APPROVED

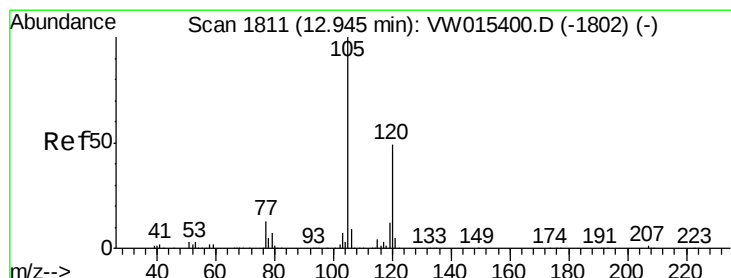
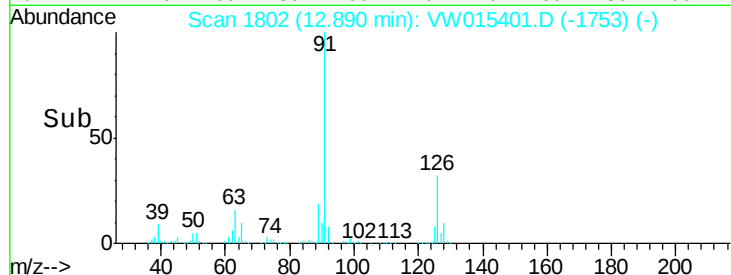
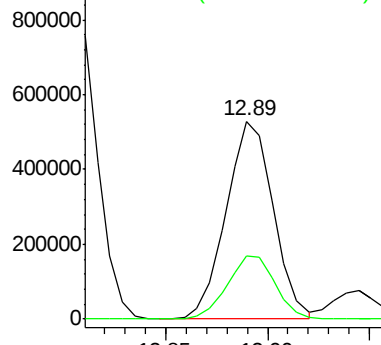
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 101.027 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015401.D

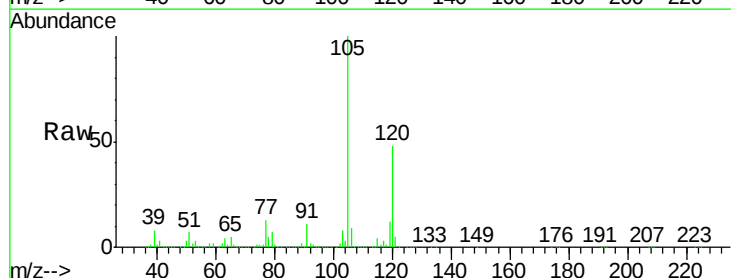
Acq: 05 May 2020 17:51

Tgt Ion:105 Resp: 1054959

Ion Ratio Lower Upper

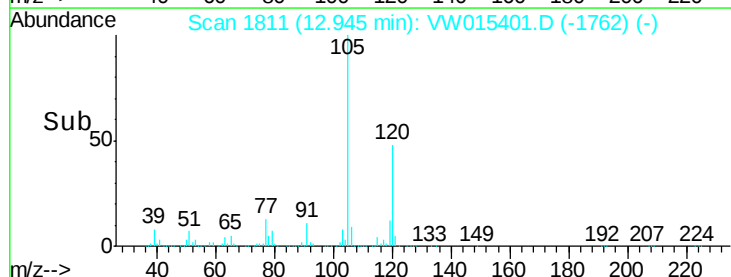
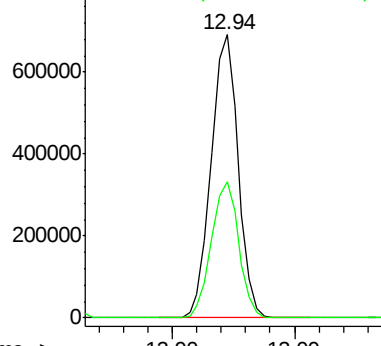
105 100

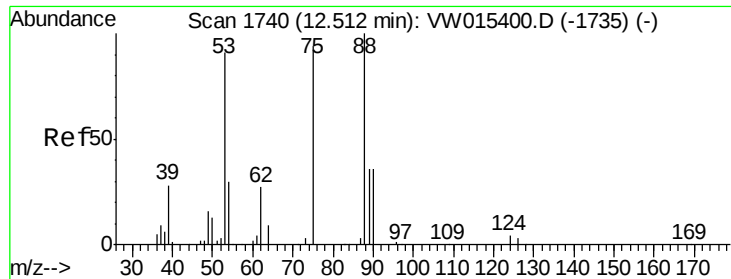
120 48.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





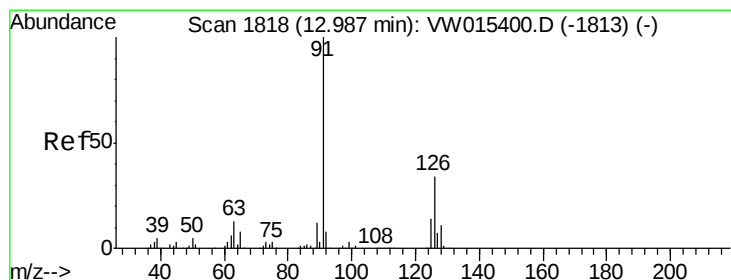
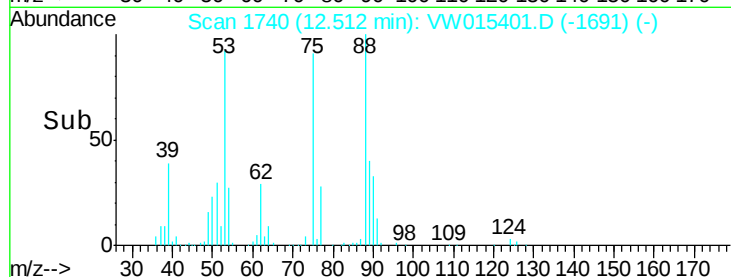
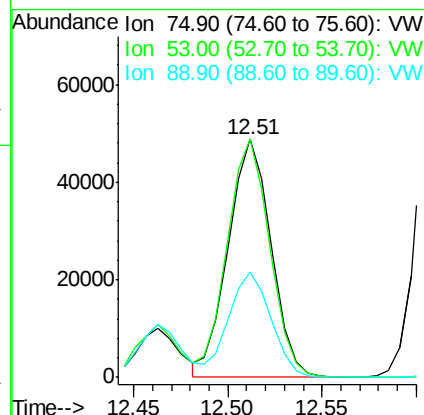
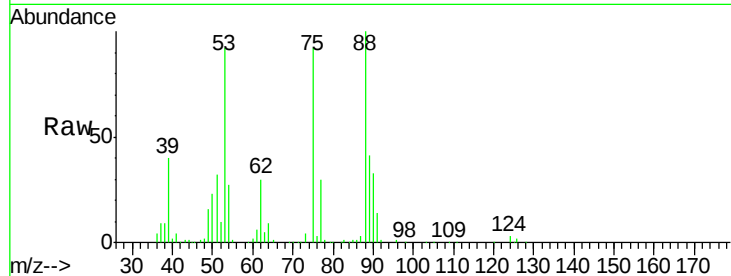
#81
trans-1,4-Dichloro-2-butene
Concen: 120.712 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	82.5	123.7
89	43.9	35.8	53.8

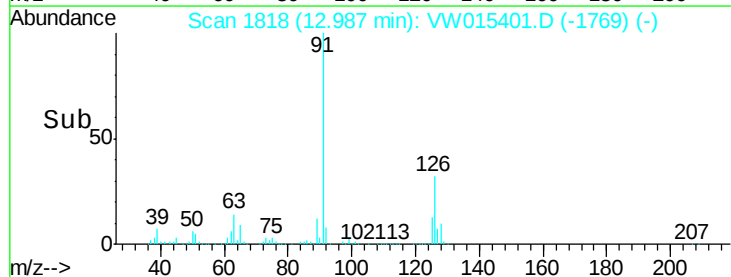
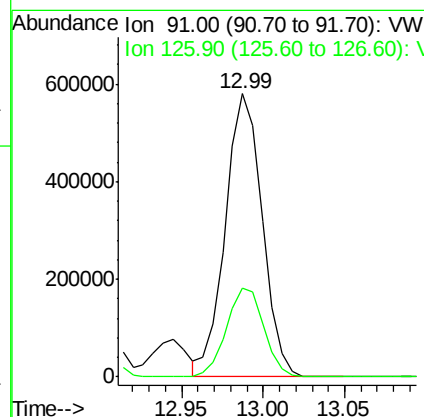
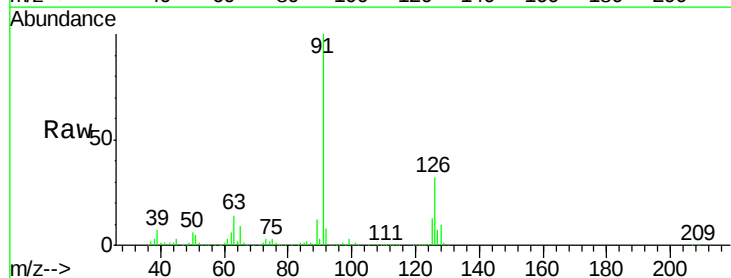
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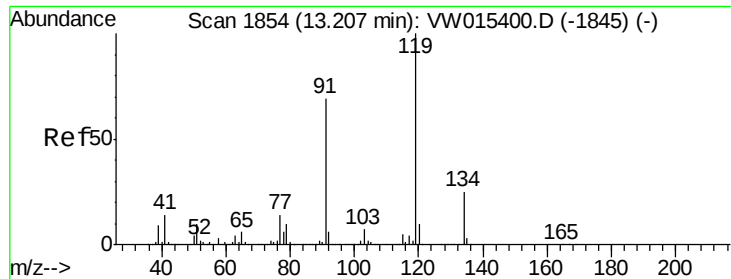
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#82
4-Chlorotoluene
Concen: 107.091 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9





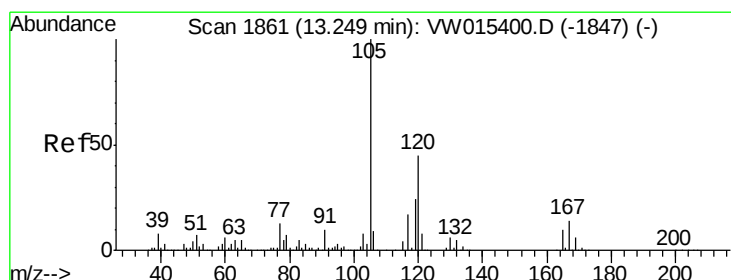
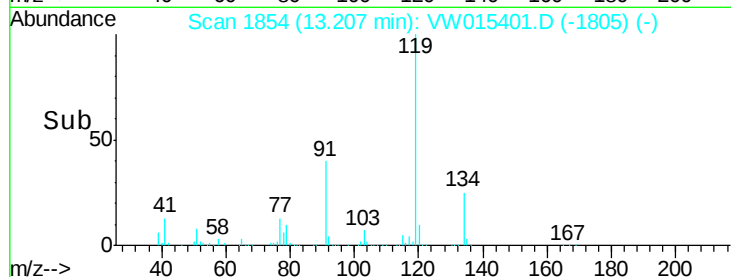
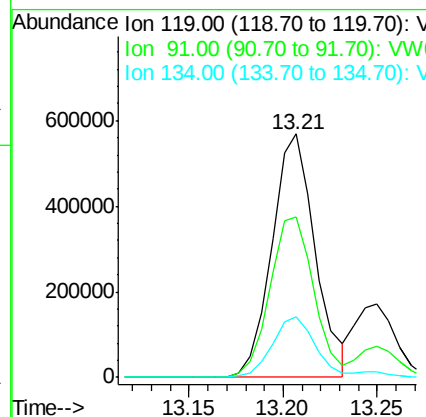
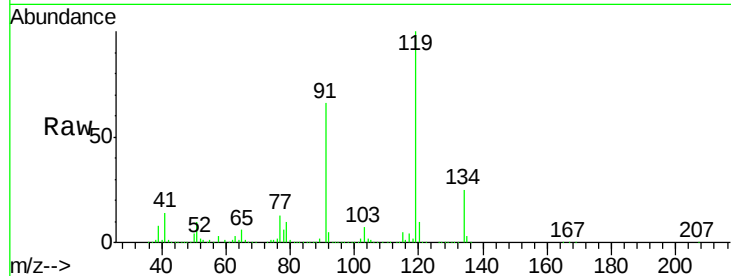
#83
 tert-Butylbenzene
 Concen: 99.215 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	903212		
91	67.1		33.8	101.4
134	25.0		12.3	36.9

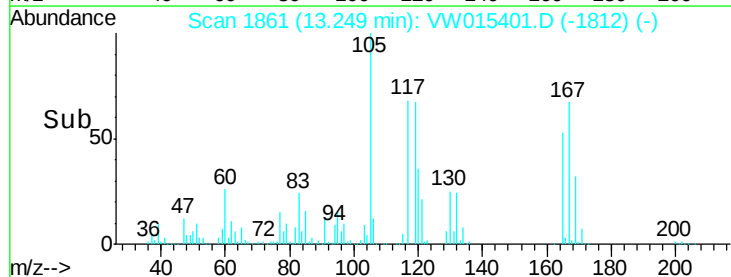
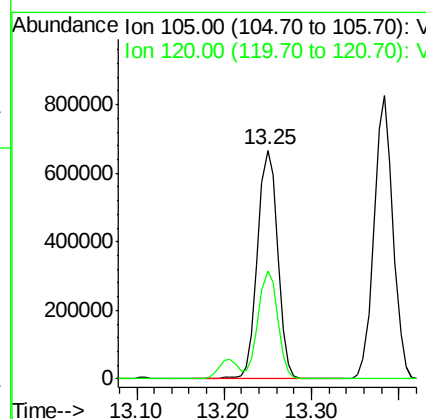
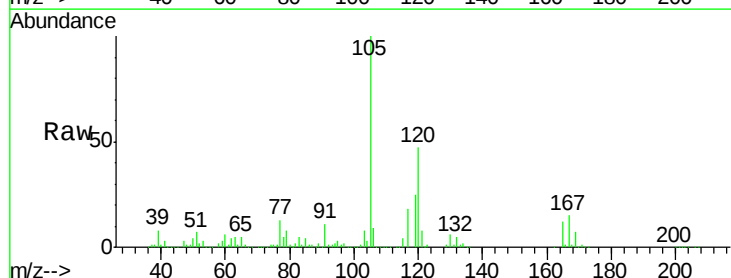
Manual Integrations
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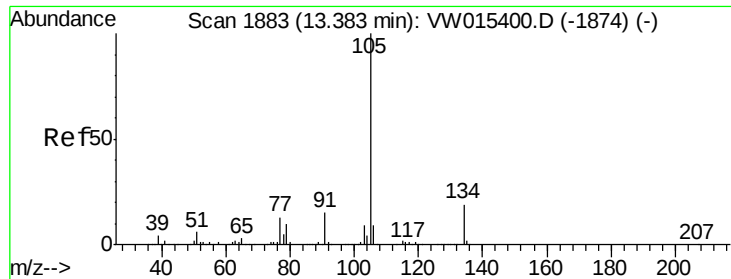
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#84
 1,2,4-Trimethylbenzene
 Concen: 102.922 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1063093		
120	45.4		22.0	66.0





#85

sec-Butylbenzene

Concen: 99.361 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1253775

Ion Ratio Lower Upper

105 100

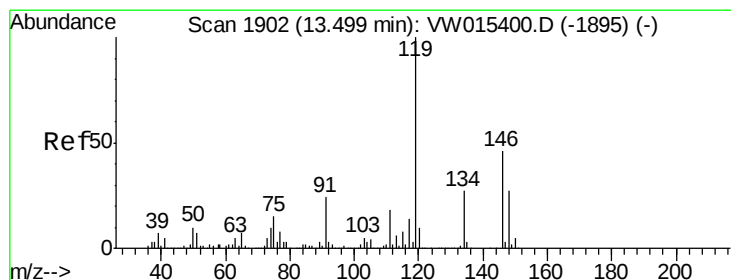
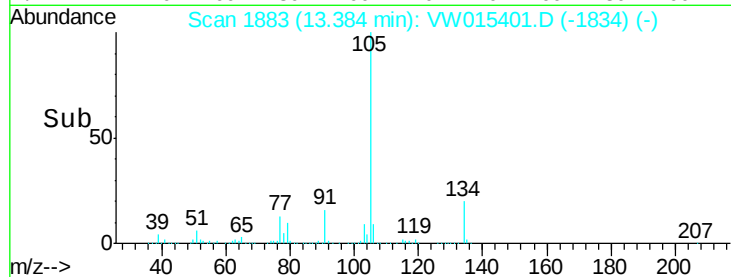
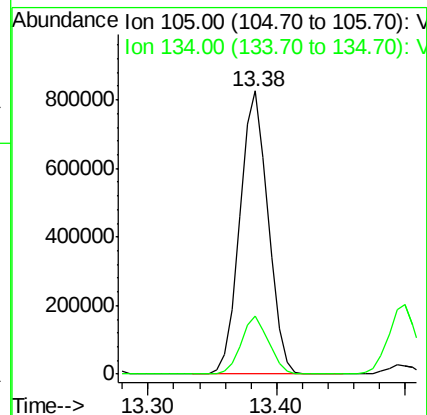
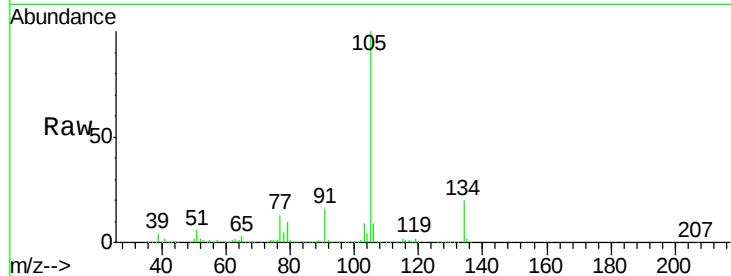
134 19.9 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 100.016 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

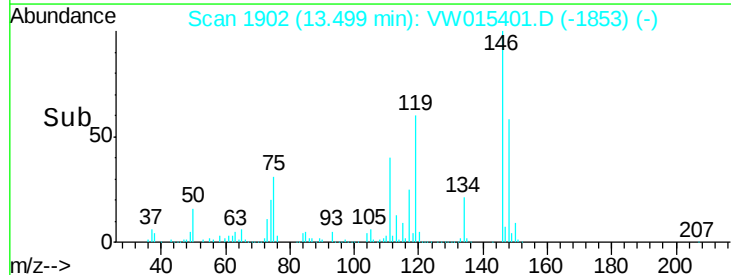
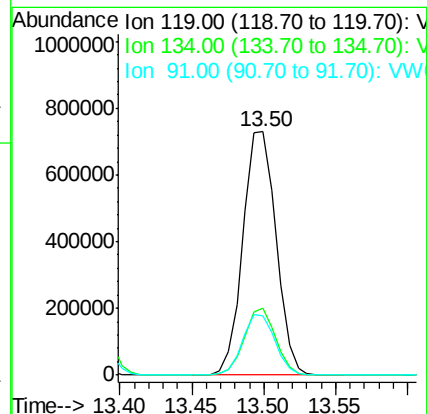
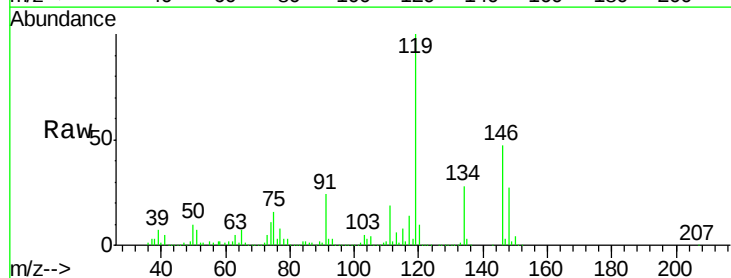
Tgt Ion:119 Resp: 1166260

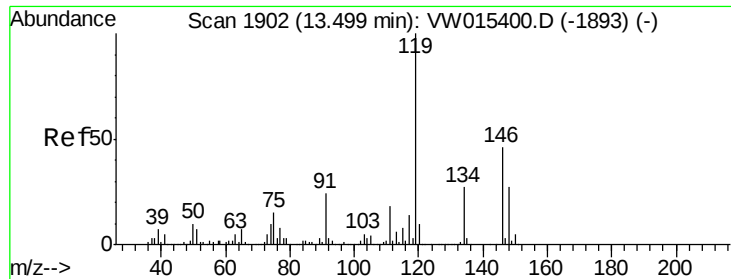
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.3 12.1 36.3





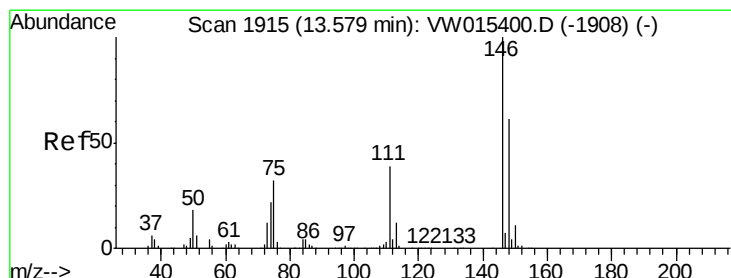
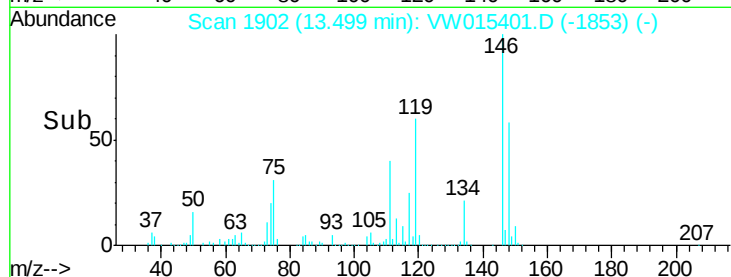
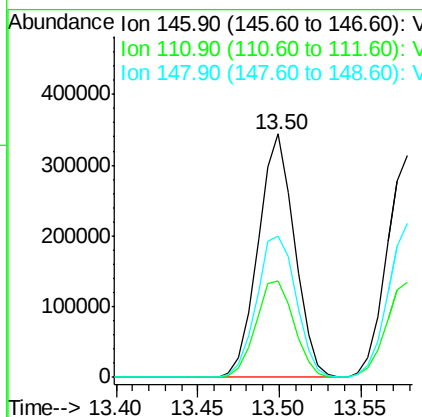
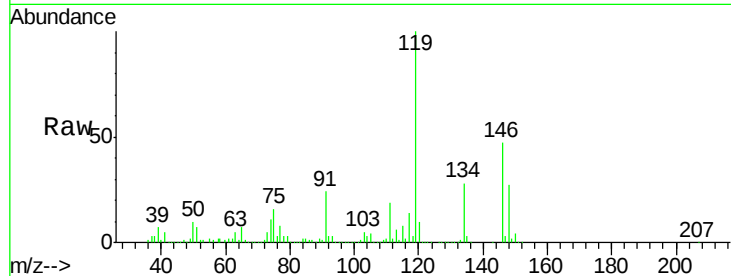
#87
 1,3-Dichlorobenzene
 Concen: 97.245 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	533422		
111	41.8	20.5	61.5	
148	62.9	31.4	94.0	

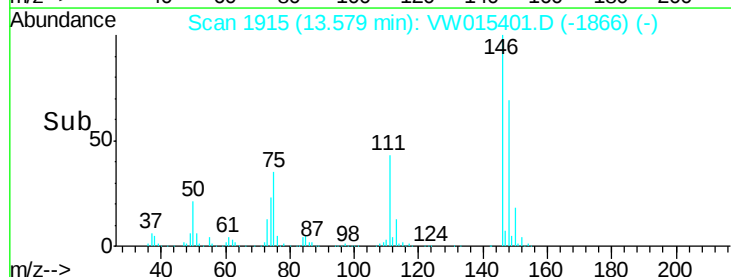
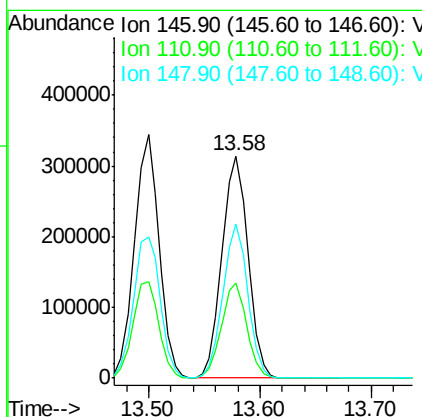
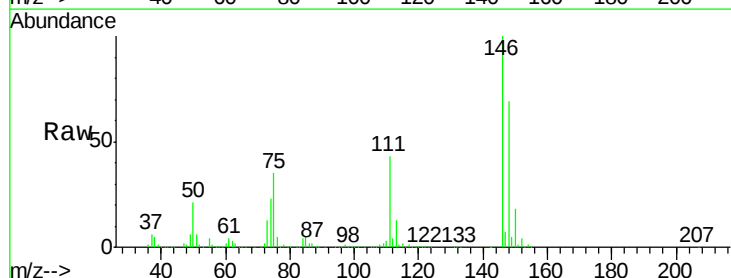
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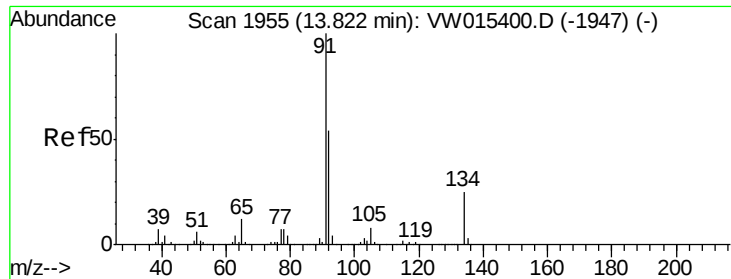
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#88
 1,4-Dichlorobenzene
 Concen: 94.489 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	508277		
111	41.4	20.0	60.0	
148	66.2	31.4	94.3	





#89

n-Butylbenzene

Concen: 103.816 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1122713

Ion Ratio Lower Upper

91 100

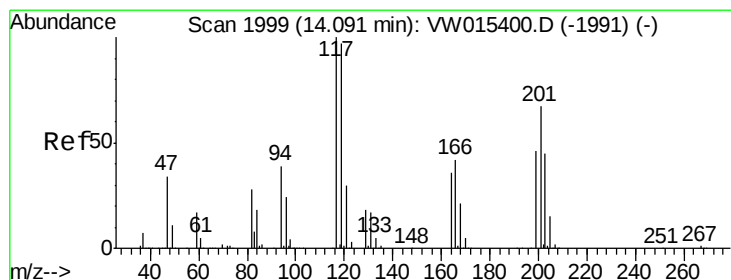
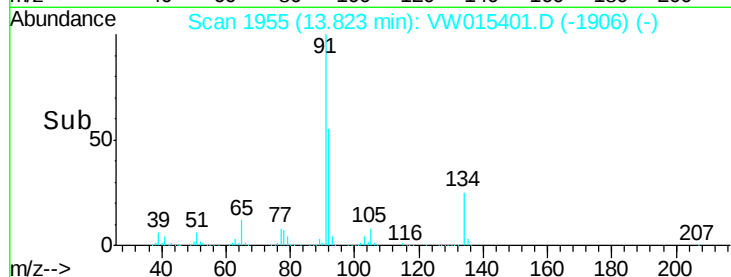
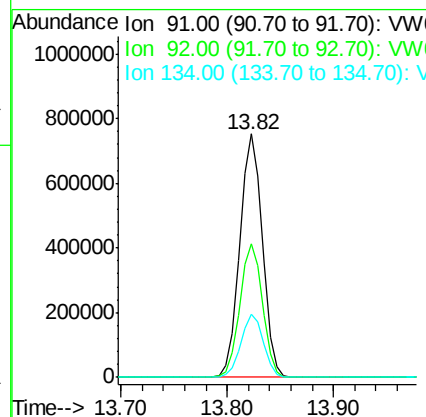
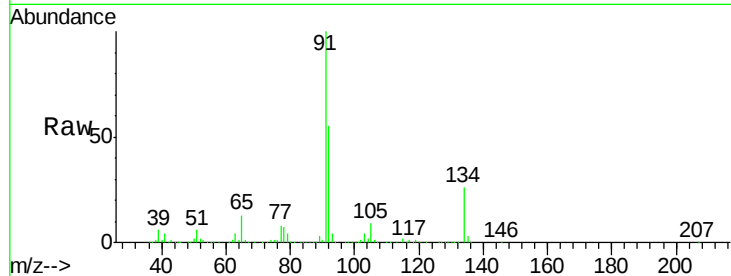
92 54.7 27.2 81.6

134 25.6 12.6 37.6

Manual Integrations
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#90

Hexachloroethane

Concen: 101.140 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015401.D

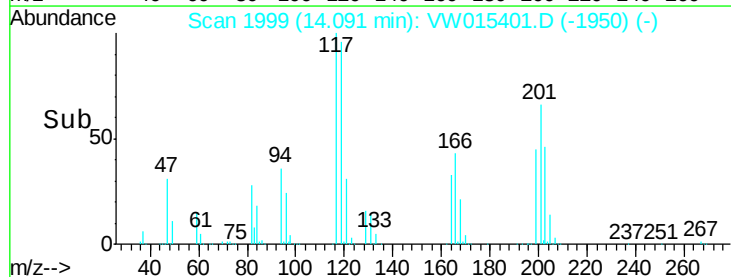
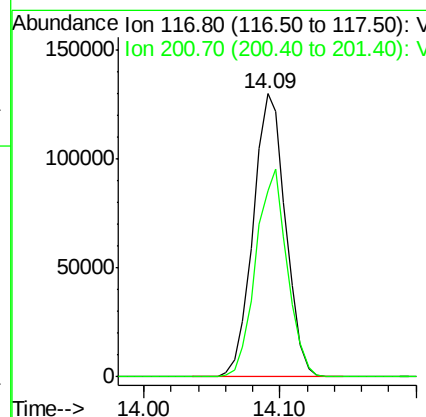
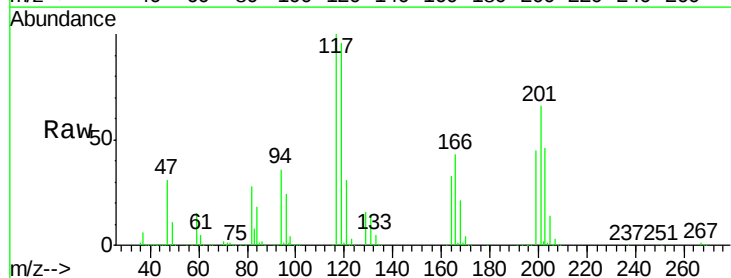
Acq: 05 May 2020 17:51

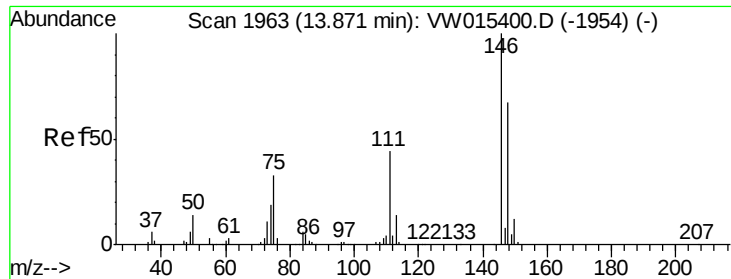
Tgt Ion: 117 Resp: 216710

Ion Ratio Lower Upper

117 100

201 71.1 35.9 107.8





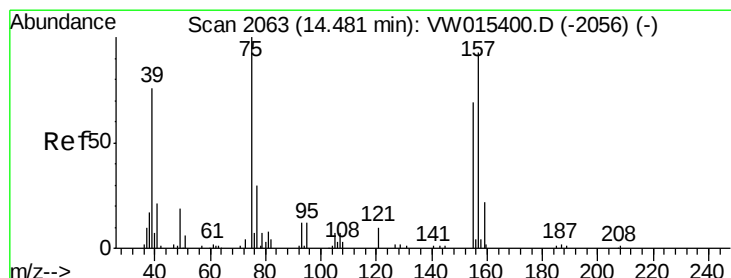
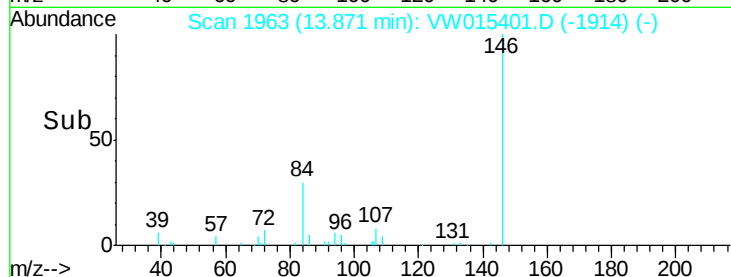
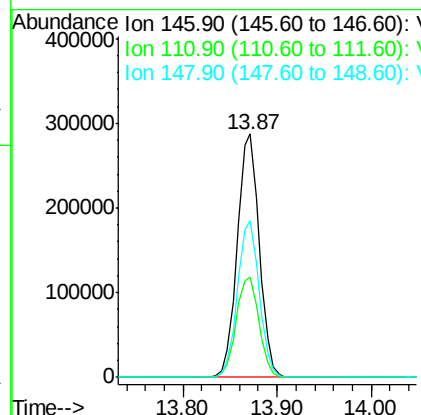
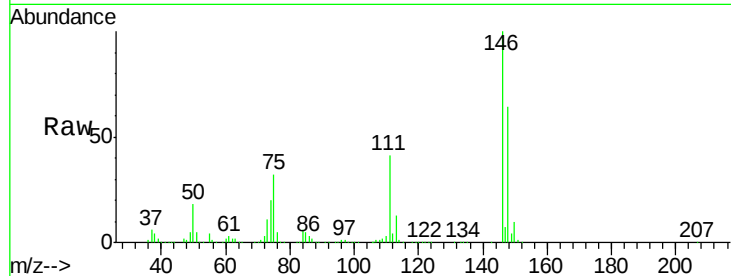
#91
 1,2-Dichlorobenzene
 Concen: 97.534 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	462364		
111	42.7	22.1	66.3	
148	63.9	32.5	97.4	

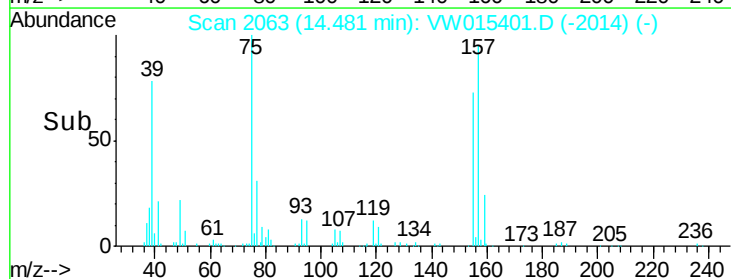
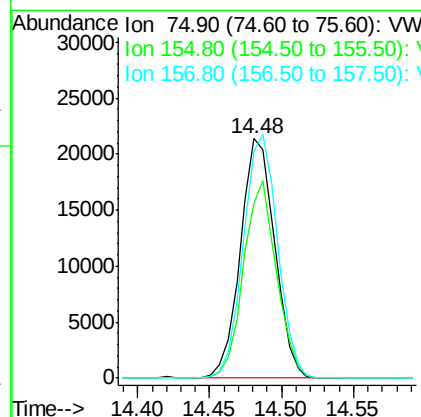
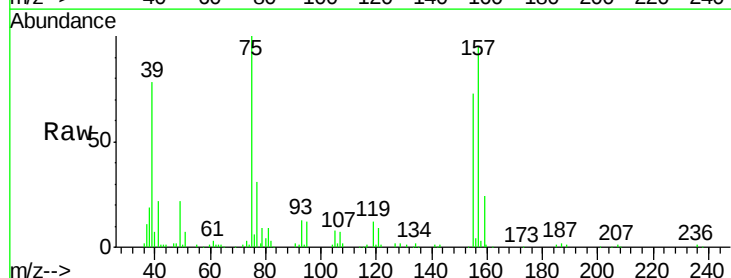
Manual Integrations
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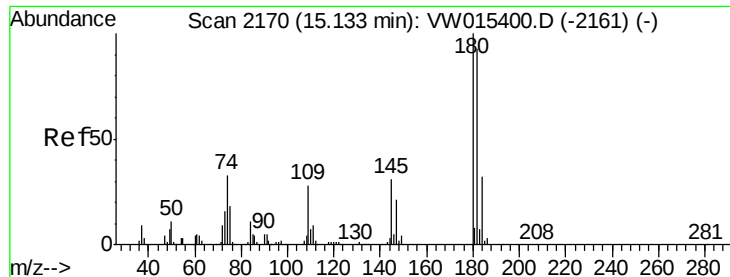
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 112.528 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35496		
155	78.4	38.7	116.1	
157	100.9	48.1	144.4	





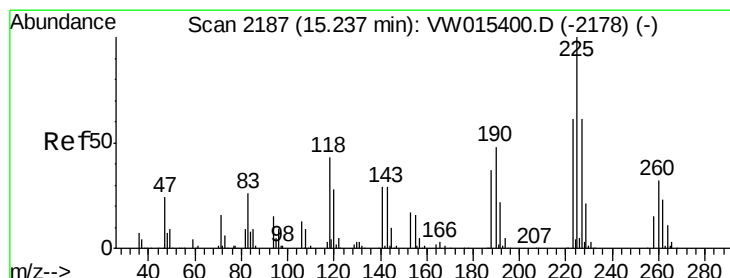
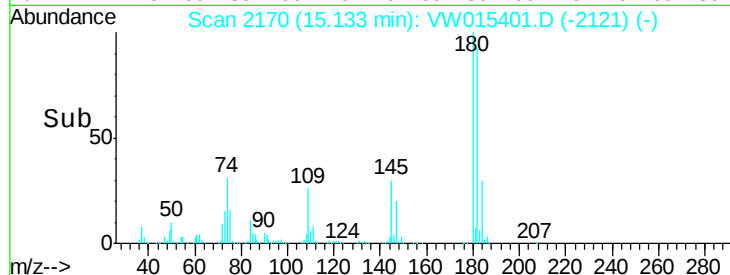
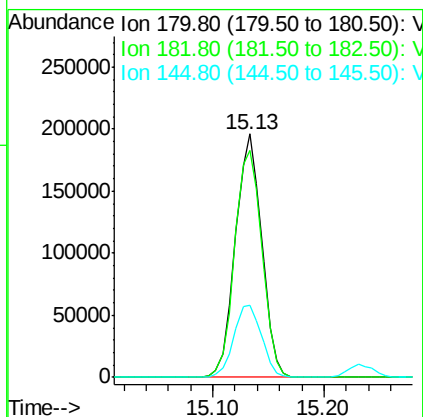
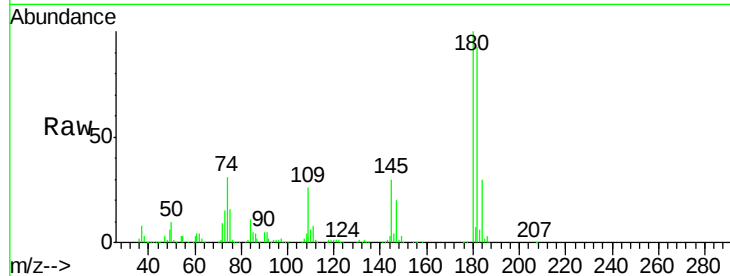
#93
 1,2,4-Trichlorobenzene
 Concen: 97.567 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	319848		
182	96.7	47.2	141.6	
145	31.4	15.6	46.8	

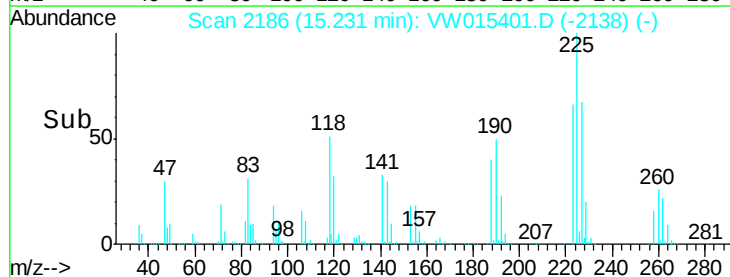
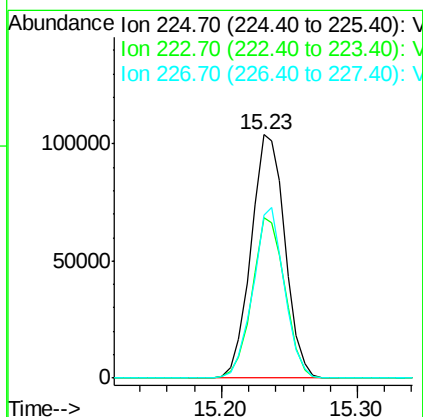
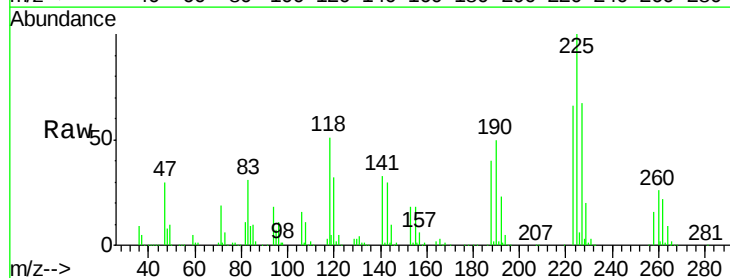
Manual Integrations
 APPROVED

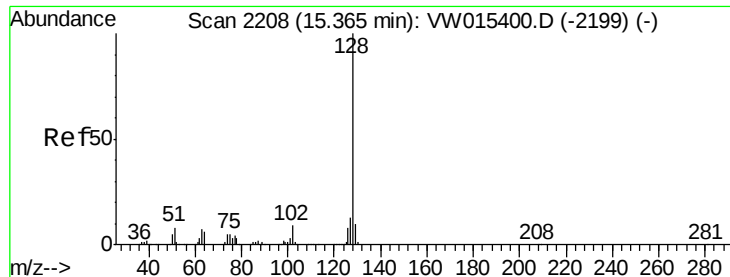
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#94
 Hexachlorobutadiene
 Concen: 83.702 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	181063		
223	63.8	30.7	92.1	
227	64.8	32.0	96.0	





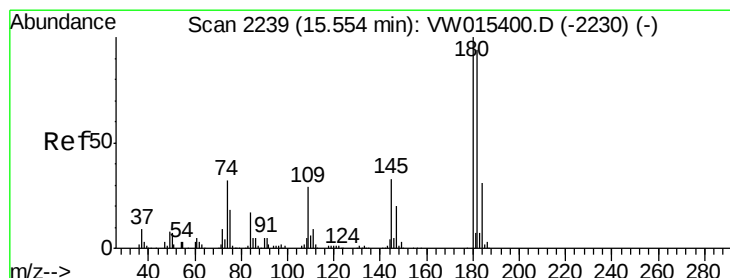
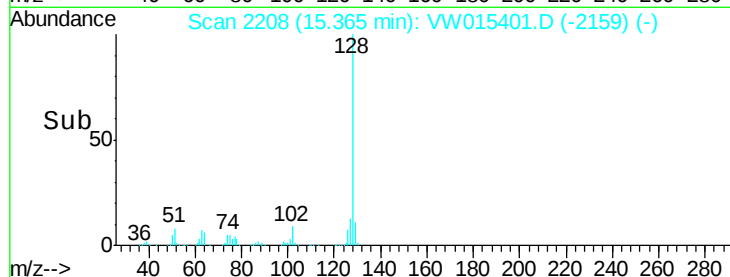
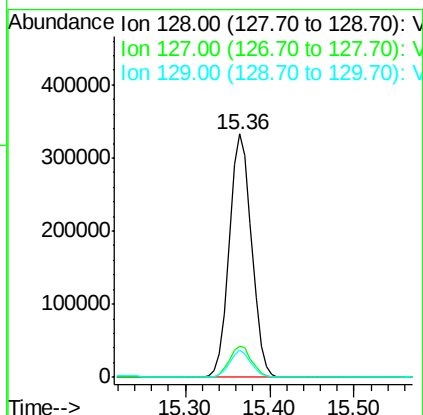
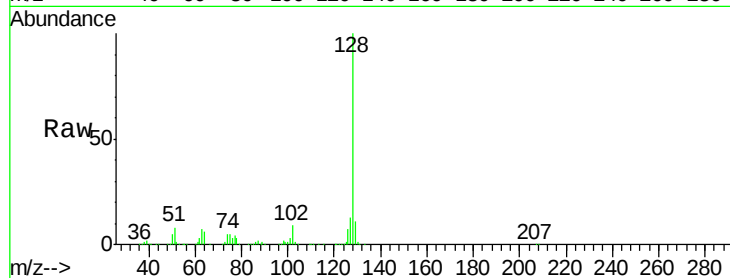
#95
Naphthalene
Concen: 110.970 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	596387		
127	13.0		10.5	15.7
129	10.7		8.6	12.8

Manual Integrations
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5/6/2020 12:12:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 101.808 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	273320		
182	93.3		47.6	142.8
145	32.4		16.3	48.8

