

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015407.D
 Acq On : 06 May 2020 11:36
 Operator : SY/VA
 Sample : VW0506SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:34:49 AM

Quant Time: May 07 03:42:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	350567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	152979	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117445	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.88	113	104993	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	10.32	98	432660	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	157060	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25766	20.526	ug/l	99
3) Chloromethane	2.21	50	31083	19.779	ug/l	95
4) Vinyl Chloride	2.37	62	49483	20.791	ug/l	97
5) Bromomethane	2.78	94	36348	19.494	ug/l	96
6) Chloroethane	2.92	64	33161	20.219	ug/l	100
7) Trichlorofluoromethane	3.26	101	31511	18.051	ug/l	97
8) Diethyl Ether	3.68	74	21204	19.438	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41427	20.471	ug/l	99
10) Methyl Iodide	4.26	142	62597	20.442	ug/l	99
11) Tert butyl alcohol	5.18	59	13264	96.372	ug/l	97
12) 1,1-Dichloroethene	4.04	96	43156	20.564	ug/l	98
13) Acrolein	3.89	56	16988	96.656	ug/l	99
14) Allyl chloride	4.66	41	75520	20.538	ug/l	99
15) Acrylonitrile	5.37	53	43135	97.156	ug/l	100
16) Acetone	4.12	43	36708	99.002	ug/l	96
17) Carbon Disulfide	4.37	76	132399	20.576	ug/l	100
18) Methyl Acetate	4.67	43	19054	19.358	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	65968	19.565	ug/l	98
20) Methylene Chloride	4.91	84	45452	18.788	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	48229	20.245	ug/l	97
22) Diisopropyl ether	6.31	45	142610	19.848	ug/l	99
23) Vinyl Acetate	6.26	43	425369	97.387	ug/l	100
24) 1,1-Dichloroethane	6.21	63	87274	20.261	ug/l	99
25) 2-Butanone	7.17	43	54196	93.776	ug/l	99
26) 2,2-Dichloropropane	7.17	77	57509	20.143	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	52357	20.240	ug/l	99
28) Bromochloromethane	7.51	49	34079	19.676	ug/l	100
29) Tetrahydrofuran	7.53	42	36525	96.032	ug/l	99
30) Chloroform	7.67	83	86124	20.123	ug/l	98
31) Cyclohexane	7.95	56	87071	19.908	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	74014	20.576	ug/l	99
36) 1,1-Dichloropropene	8.08	75	72184	20.958	ug/l	99
37) Ethyl Acetate	7.25	43	27195	20.349	ug/l	99
38) Carbon Tetrachloride	8.07	117	67344	20.915	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	90200	20.689	ug/l	98
40) Benzene	8.32	78	196580	20.927	ug/l	98
41) Methacrylonitrile	7.48	41	15390	18.226	ug/l	99
42) 1,2-Dichloroethane	8.40	62	58746	20.532	ug/l	100
43) Isopropyl Acetate	8.42	43	54606	19.428	ug/l	99
44) Trichloroethene	9.09	130	50933	20.920	ug/l	95
45) 1,2-Dichloropropane	9.37	63	48210	20.775	ug/l	98
46) Dibromomethane	9.46	93	24097	20.878	ug/l	94
47) Bromodichloromethane	9.64	83	65117	20.702	ug/l	97
48) Methyl methacrylate	9.43	41	25579	19.702	ug/l	98
49) 1,4-Dioxane	9.45	88	5800	399.318	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	128701	97.707	ug/l	100
52) Toluene	10.38	92	128260	21.011	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	64399	20.058	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	77780	20.575	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	32505	19.916	ug/l	95
56) Ethyl methacrylate	10.65	69	43649	19.465	ug/l	96
57) 1,3-Dichloropropane	10.93	76	59967	20.435	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	106561	97.676	ug/l	100
59) 2-Hexanone	10.97	43	86867	97.465	ug/l	99
60) Dibromochloromethane	11.13	129	40298	20.530	ug/l	99
61) 1,2-Dibromoethane	11.23	107	31093	20.120	ug/l	98
64) Tetrachloroethene	10.86	164	42059	21.800	ug/l	89
65) Chlorobenzene	11.66	112	128732	20.685	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	45491	20.617	ug/l	98
67) Ethyl Benzene	11.73	91	247880	20.810	ug/l	94
68) m/p-Xylenes	11.84	106	186184	42.040	ug/l	100
69) o-Xylene	12.16	106	86972	20.898	ug/l	99
70) Styrene	12.18	104	146123	20.387	ug/l	99
71) Bromoform	12.35	173	21138	19.644	ug/l #	94
73) Isopropylbenzene	12.46	105	245021	21.454	ug/l	100
74) N-amyl acetate	12.27	43	53492	19.814	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	35995	20.147	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	23920m	19.007	ug/l	
77) Bromobenzene	12.74	156	51009	21.075	ug/l	99
78) n-propylbenzene	12.80	91	295454	21.562	ug/l	98
79) 2-Chlorotoluene	12.89	91	166076	21.501	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	208468	21.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12751	20.041	ug/l	98
82) 4-Chlorotoluene	12.99	91	175497	21.439	ug/l	99
83) tert-Butylbenzene	13.21	119	178097	21.696	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	208624	21.678	ug/l	100
85) sec-Butylbenzene	13.38	105	252174	21.804	ug/l	100
86) p-Isopropyltoluene	13.50	119	232766	22.066	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	101783	21.112	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	101830	21.327	ug/l	99
89) n-Butylbenzene	13.82	91	225925	21.878	ug/l	100
90) Hexachloroethane	14.09	117	42442	21.834	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	90191	21.606	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6243	20.015	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61875	22.054	ug/l	99
94) Hexachlorobutadiene	15.24	225	36915	22.204	ug/l	99
95) Naphthalene	15.36	128	103976	20.690	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	51234	21.253	ug/l	99

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

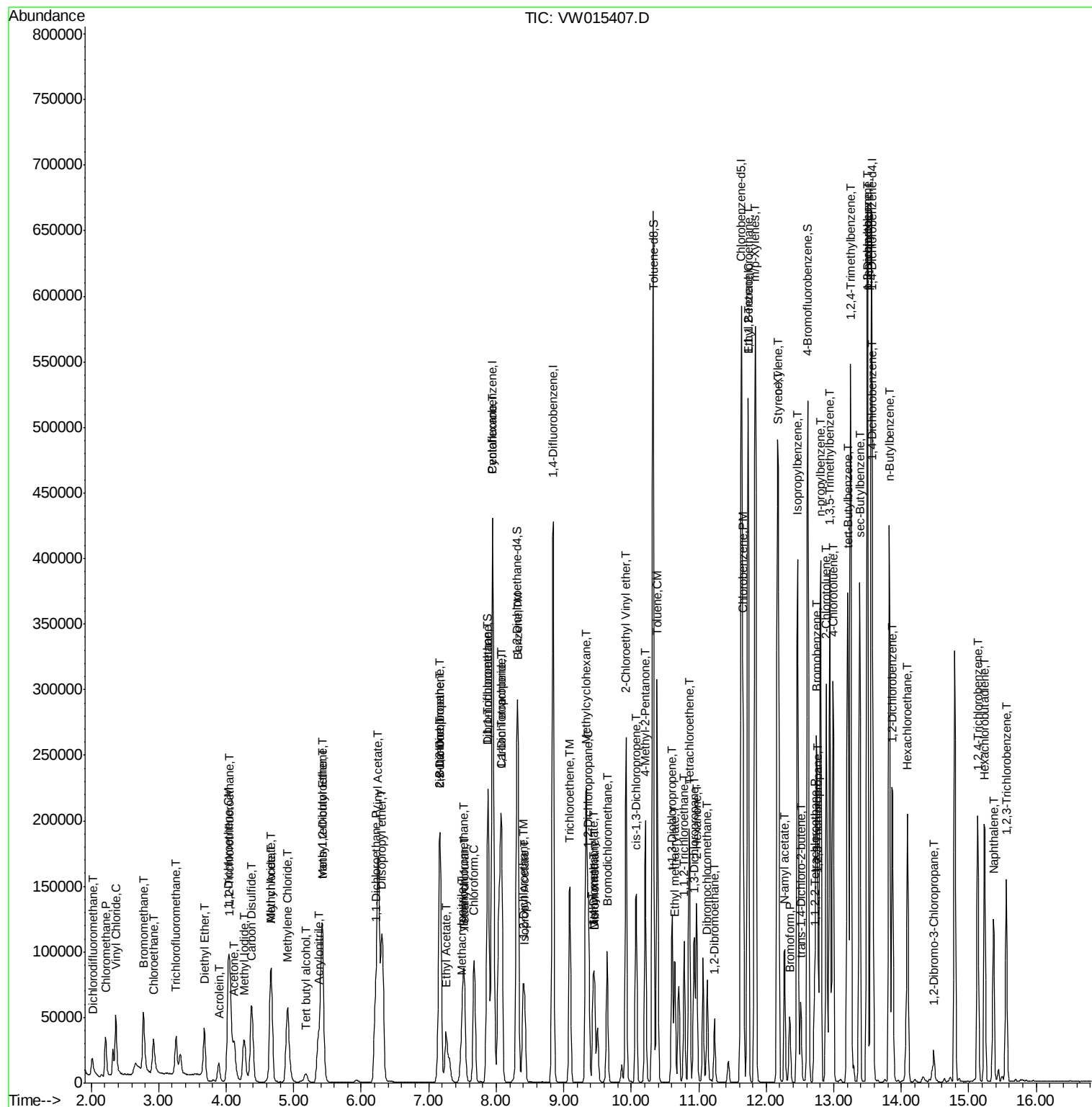
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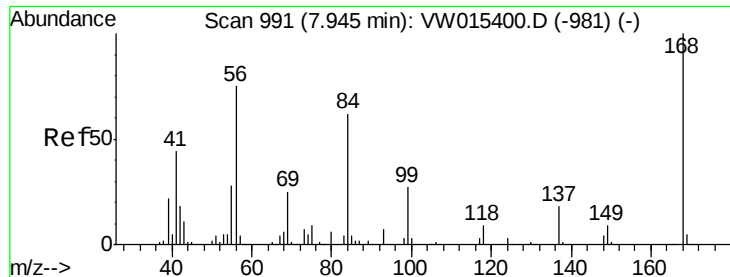
Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0506SBS01

Tot Ion:168 Resp: 217124

Ion Ratio Lower Upper

168 100

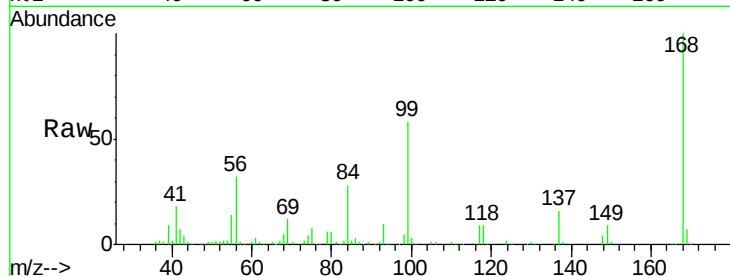
99 58.0 50.3 75.5

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

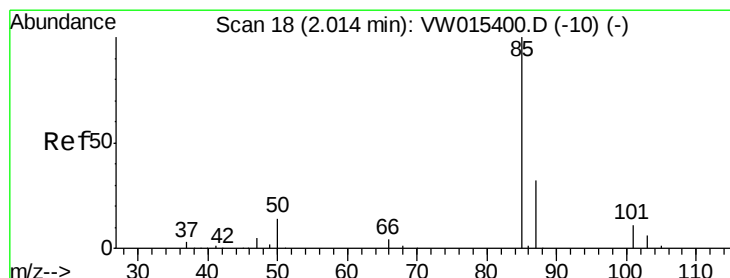
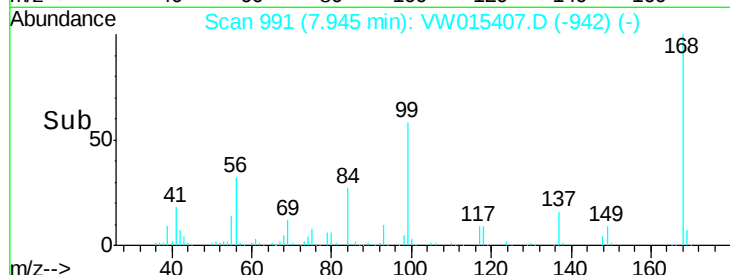
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.526 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015407.D

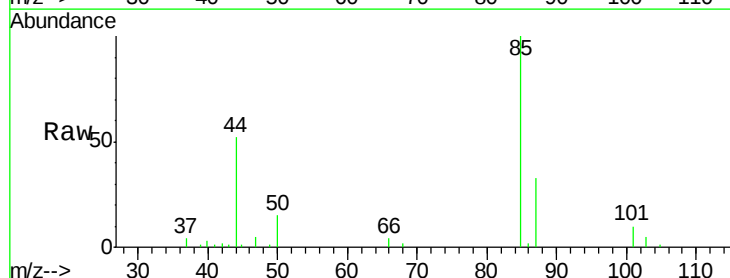
Acq: 06 May 2020 11:36

Tgt Ion: 85 Resp: 25766

Ion Ratio Lower Upper

85 100

87 32.5 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

8000

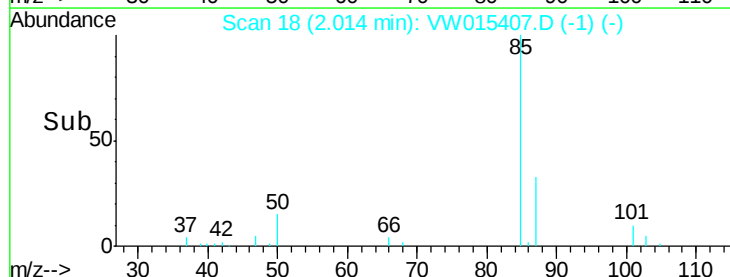
6000

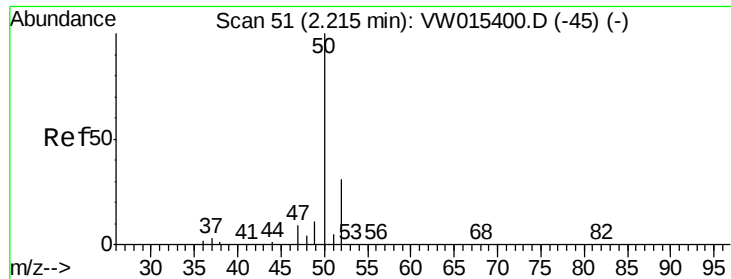
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.779 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0506SBS01

Tot Ion: 50 Resp: 31083

Ion Ratio Lower Upper

50 100

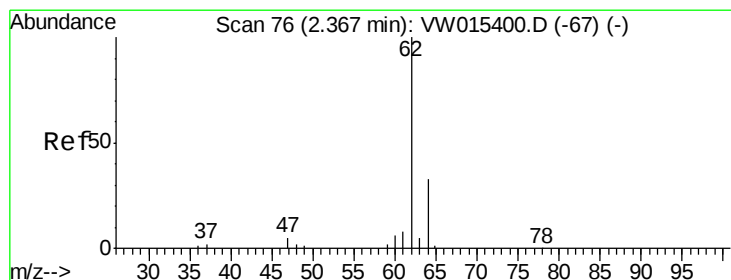
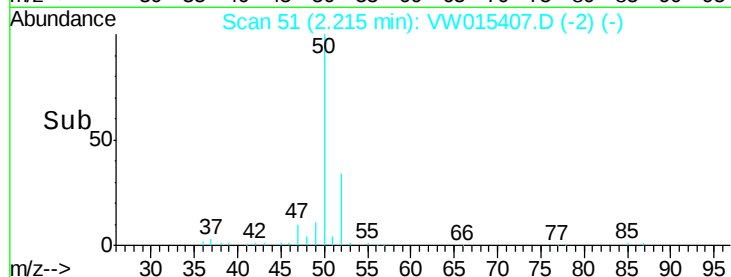
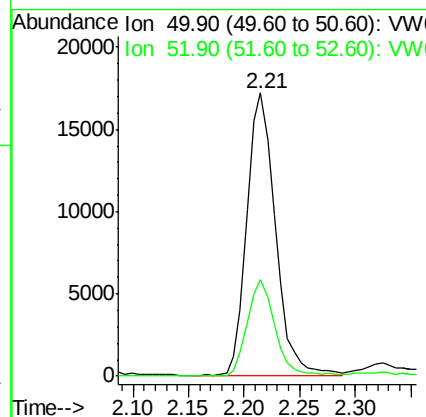
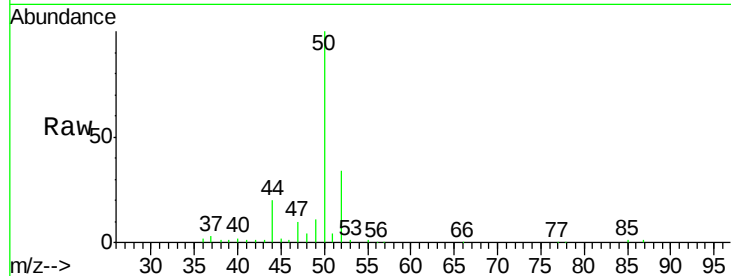
52 34.3 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.791 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015407.D

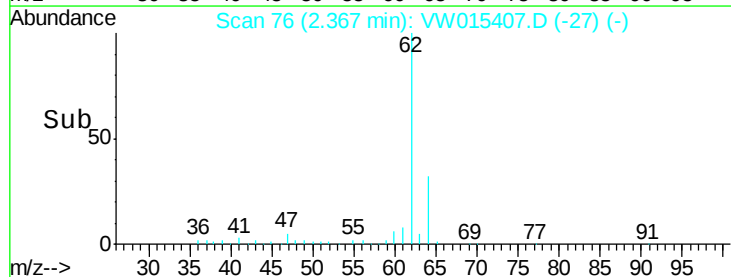
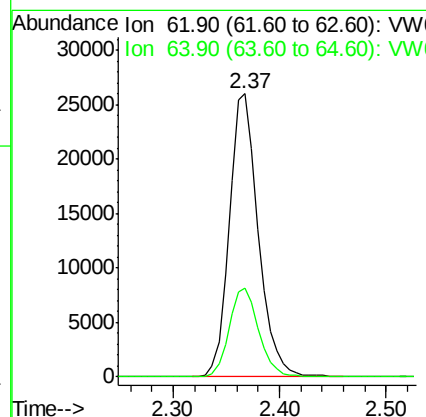
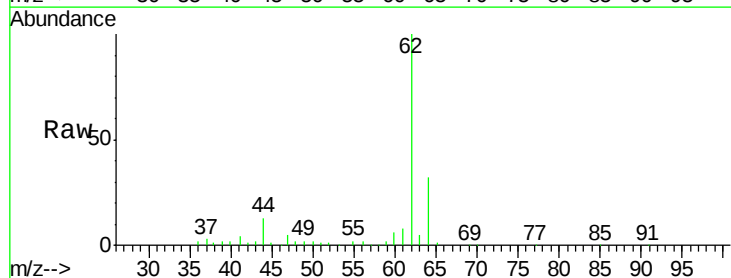
Acq: 06 May 2020 11:36

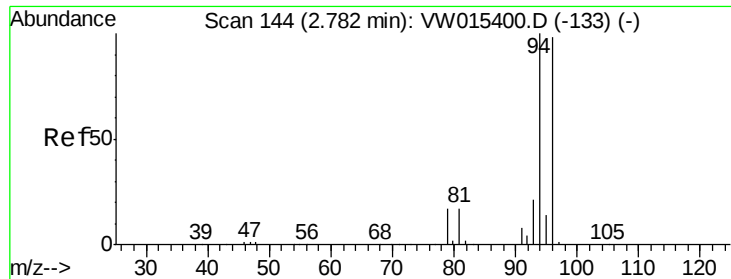
Tgt Ion: 62 Resp: 49483

Ion Ratio Lower Upper

62 100

64 31.5 26.4 39.6





#5

Bromomethane

Concen: 19.494 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0506SBS01

Tot Ion: 94 Resp: 36348

Ion Ratio Lower Upper

94 100

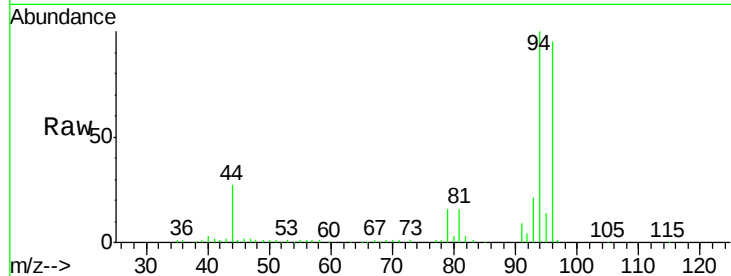
96 94.9 78.8 118.2

Manual Integrations

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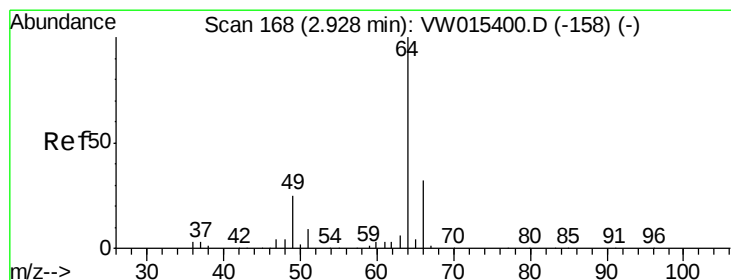
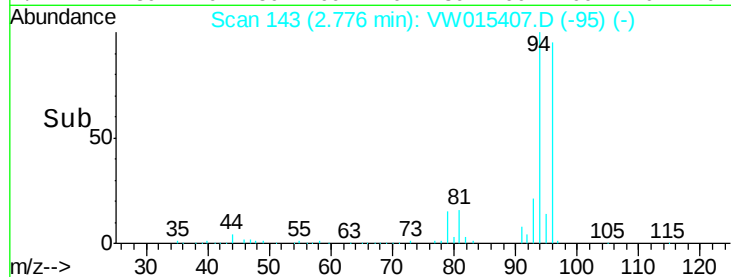
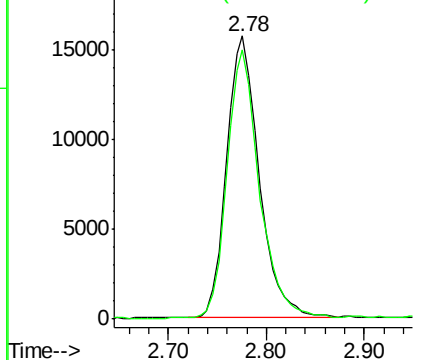
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.219 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015407.D

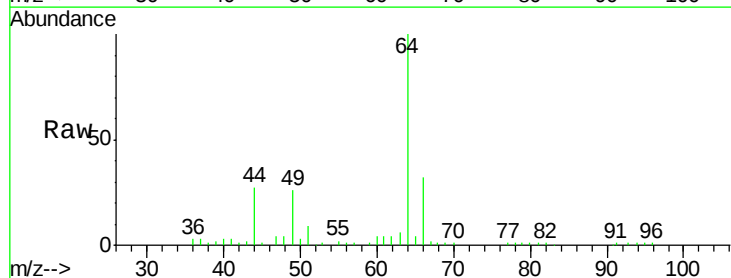
Acq: 06 May 2020 11:36

Tgt Ion: 64 Resp: 33161

Ion Ratio Lower Upper

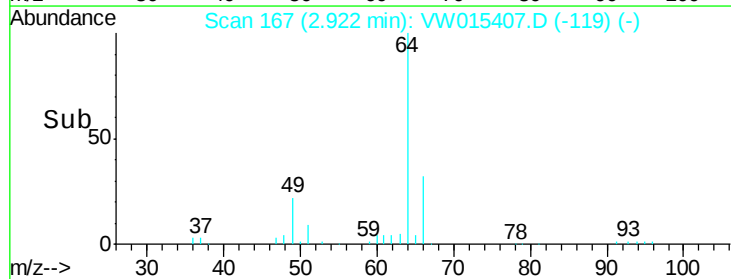
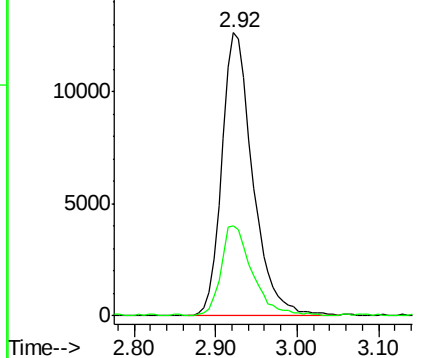
64 100

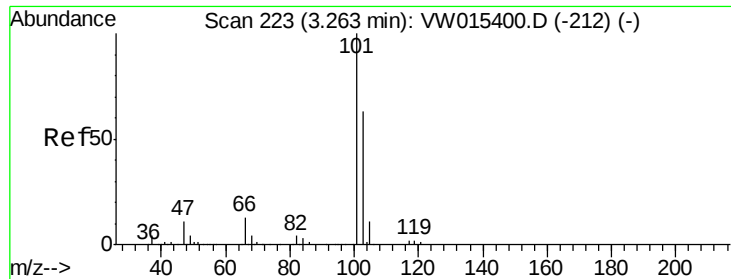
66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

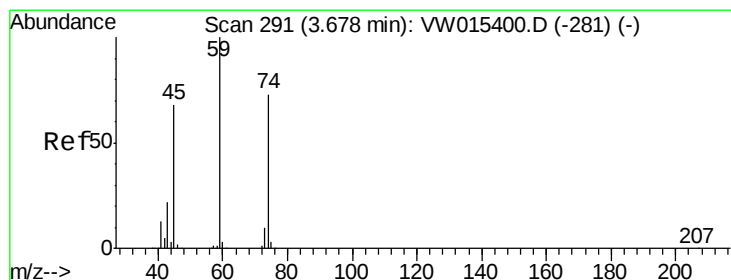
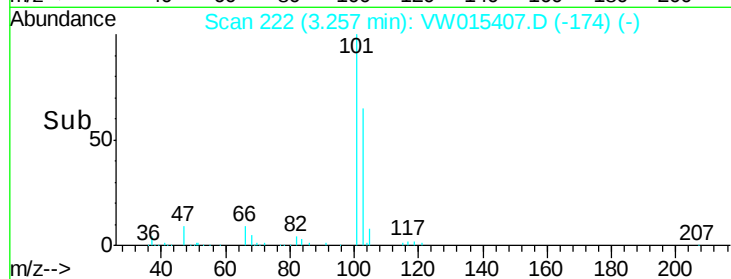
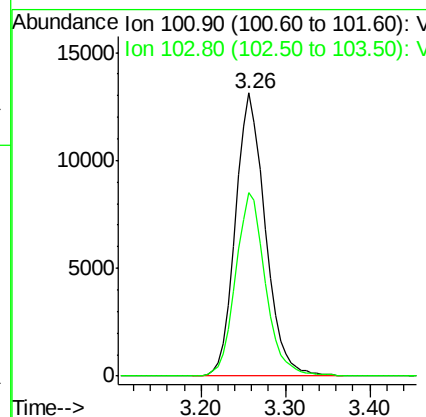
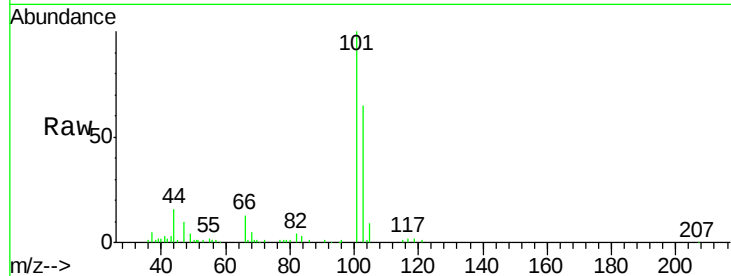
Trichlorofluoromethane
 Concen: 18.051 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampled :
 VW0506SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	31511		
103	64.8	50.2	75.4	

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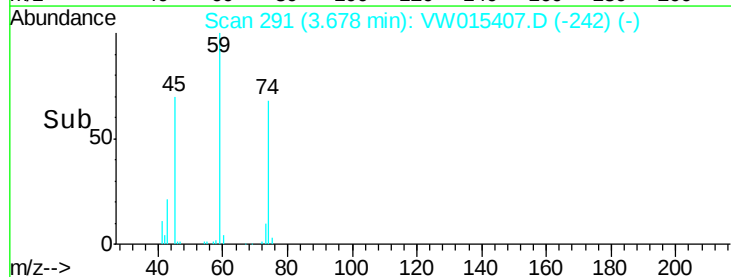
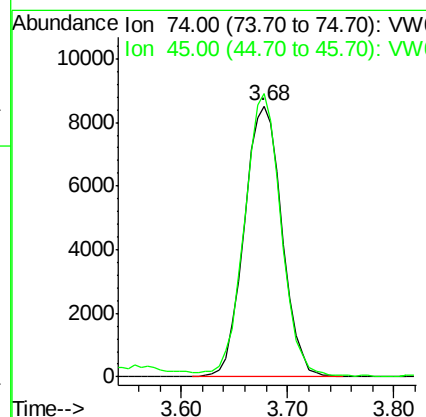
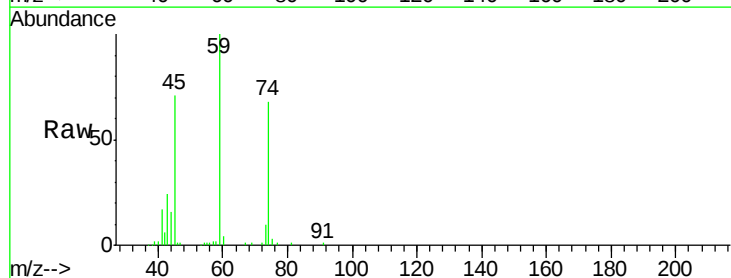
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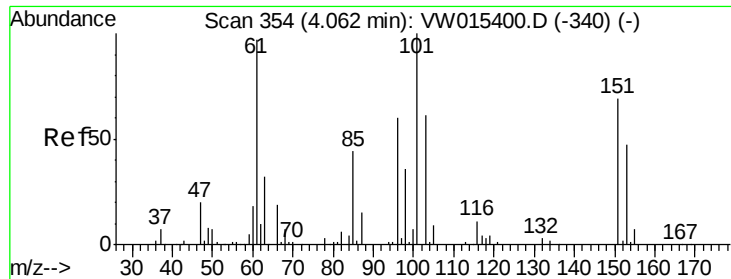


#8

Diethyl Ether
 Concen: 19.438 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	21204		
45	102.1	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.471 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

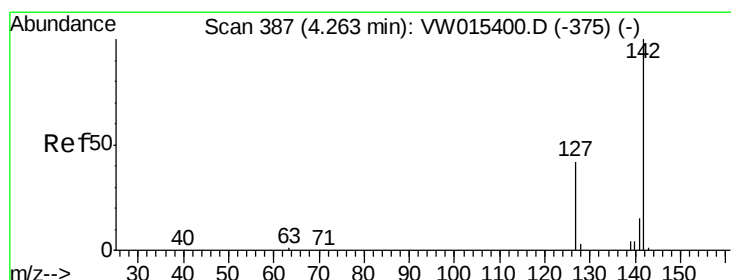
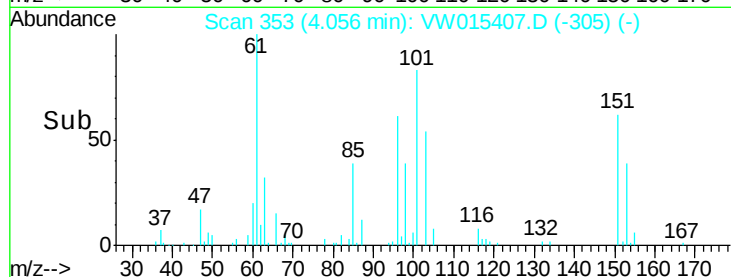
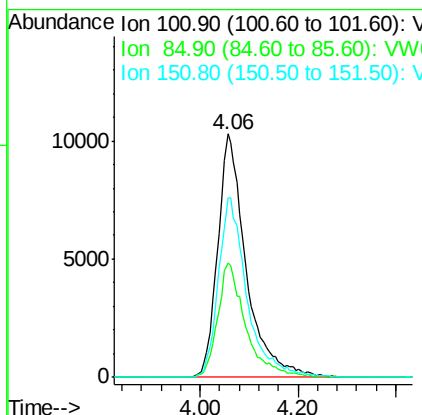
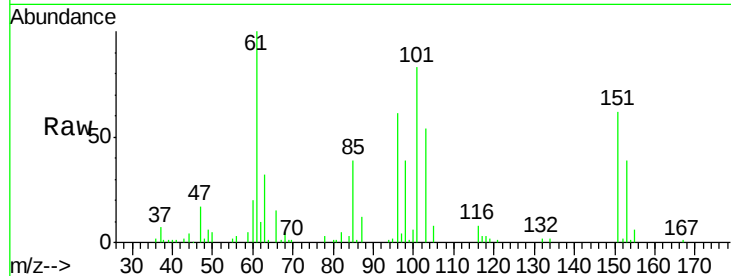
ClientSampled :

VW0506SBS01

Tot Ion:	101	Resp:	41427
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.3	55.9
151	74.3	58.9	88.3

Manual Integrations
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MMDadoda
5/7/2020 10:34:49 AM



#10

Methyl Iodide

Concen: 20.442 ug/l

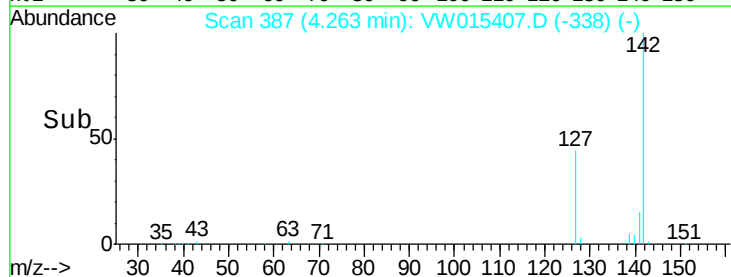
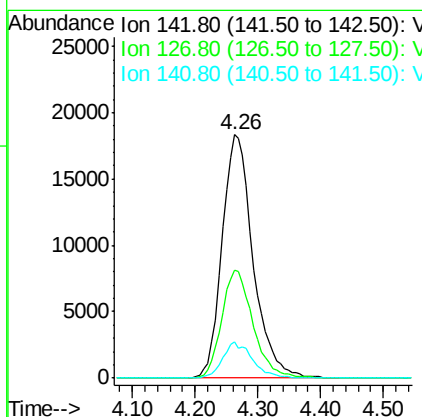
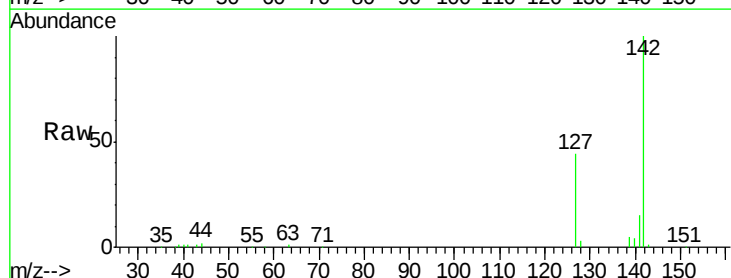
RT: 4.26 min Scan# 387

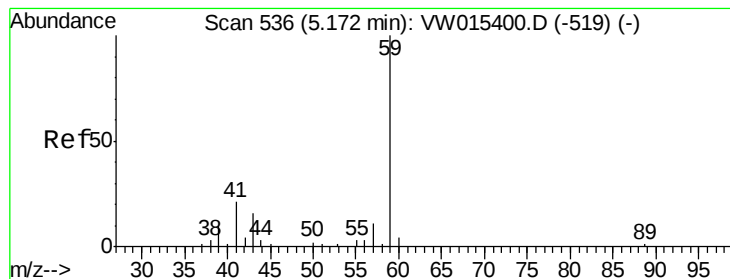
Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion:	142	Resp:	62597
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.4	53.2
141	14.2	11.7	17.5





#11

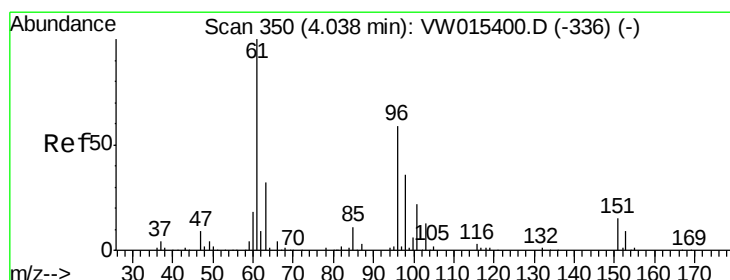
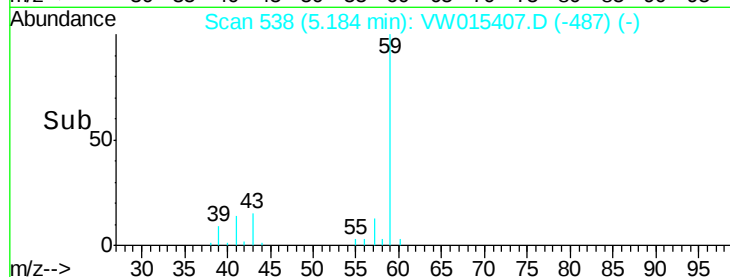
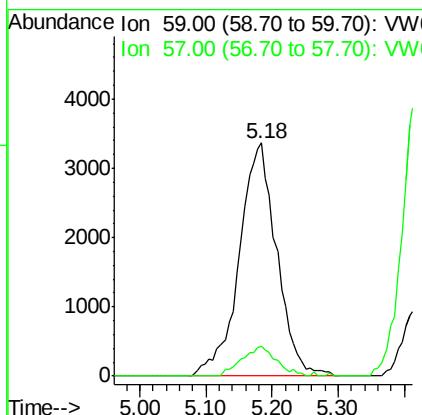
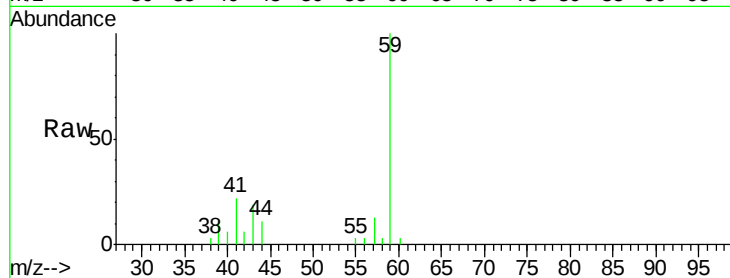
Tert butyl alcohol
 Concen: 96.372 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampled :
 VW0506SBS01

Tot Ion	59	57	Ratio	100	11.8	Resp	Lower	Upper
13264							8.6	13.0

Manual Integrations
 APPROVED

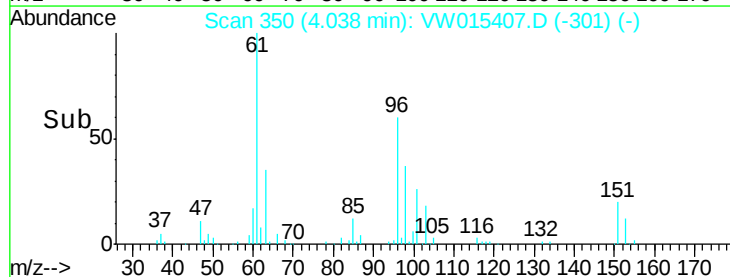
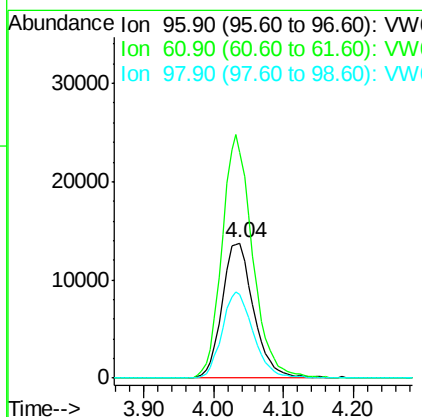
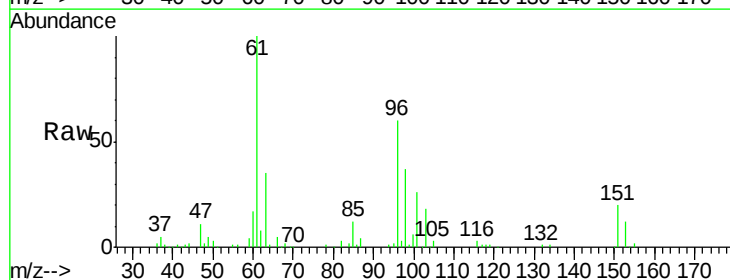
MMDadoda
 5/7/2020 10:34:49 AM

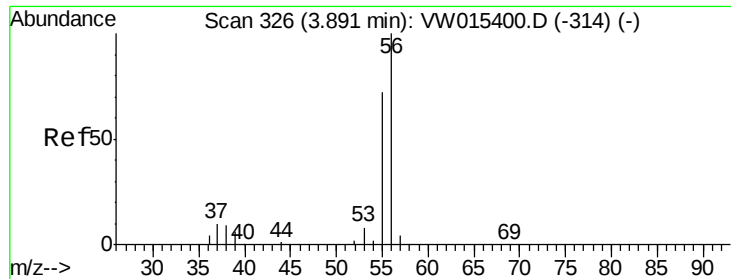


#12

1,1-Dichloroethene
 Concen: 20.564 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	96	61	98	Ratio	100	167.4	62.3	Resp	Lower	Upper
43156									135.8	203.8





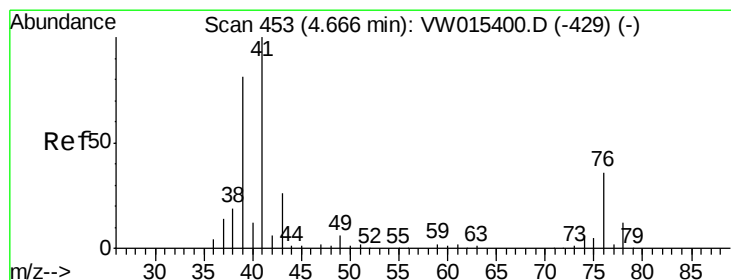
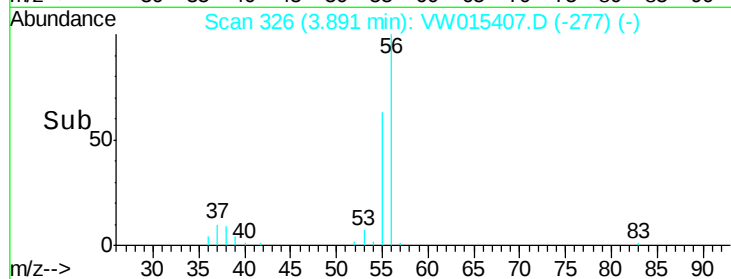
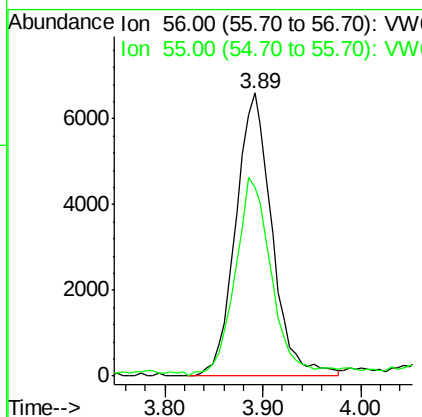
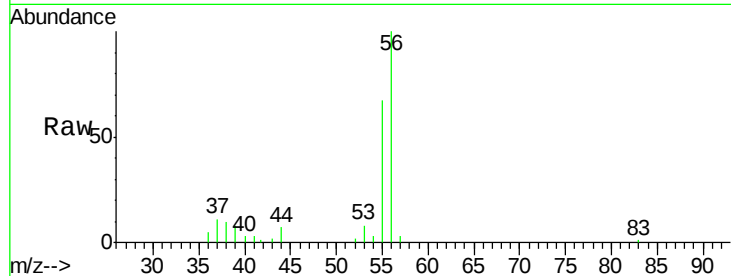
#13
 Acrolein
 Concen: 96.656 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Tot Ion	56	55	Ratio	100	69.9	Resp	16988	Lower	56.4	Upper	84.6
Ion	56	55	Ratio	100	69.9	Resp	16988	Lower	56.4	Upper	84.6

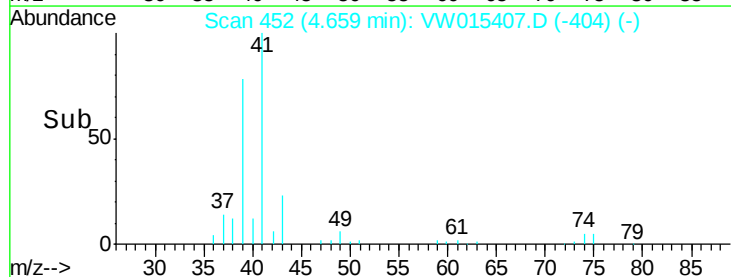
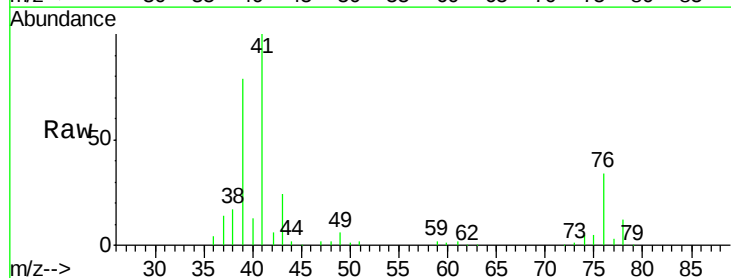
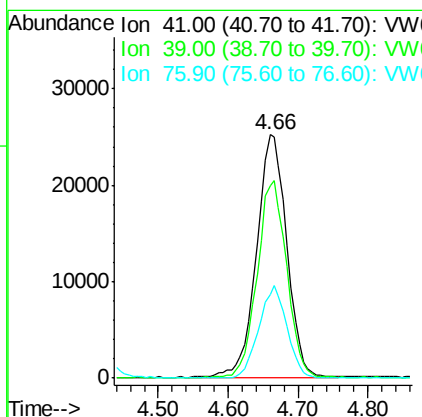
Manual Integrations
 APPROVED

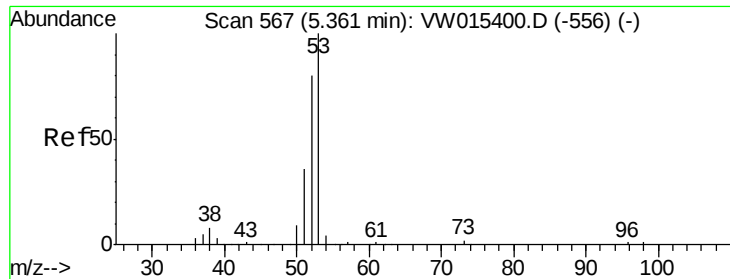
MMDadoda
 5/7/2020 10:34:49 AM



#14
 Allyl chloride
 Concen: 20.538 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	41	39	76	Ratio	100	80.2	35.3	Resp	75520	Lower	63.6	28.4	Upper	95.4	42.6
Ion	41	39	76	Ratio	100	80.2	35.3	Resp	75520	Lower	63.6	28.4	Upper	95.4	42.6





#15

Acrylonitrile

Concen: 97.156 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

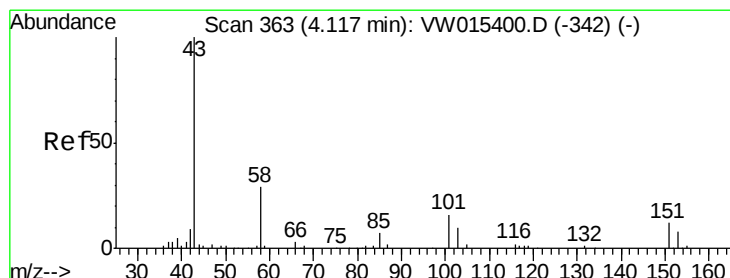
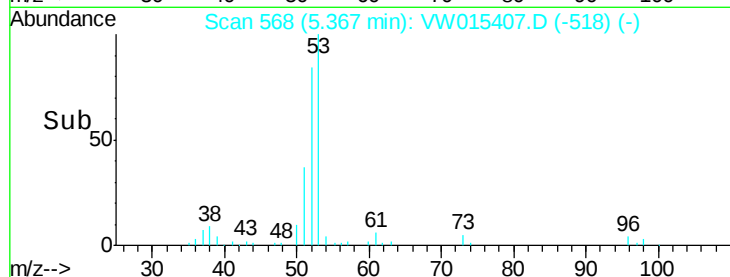
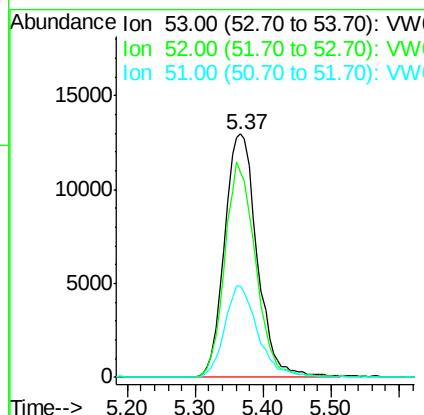
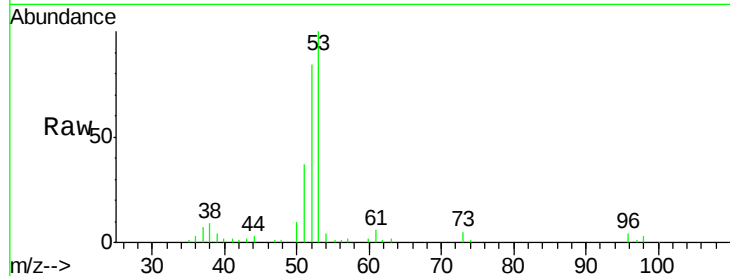
ClientSampled :

VW0506SBS01

Tot Ion:	53	Resp:	43135
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	99.8
51	38.2	30.2	45.2

Manual Integrations
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MMDadoda
5/7/2020 10:34:49 AM



#16

Acetone

Concen: 99.002 ug/l

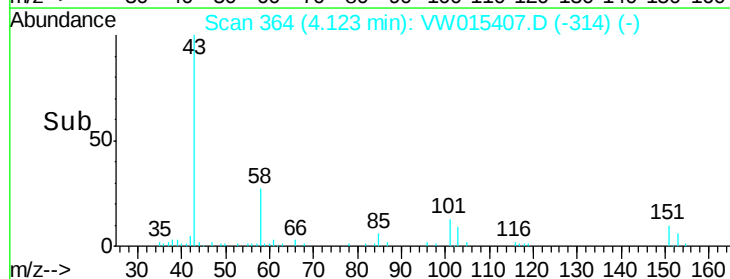
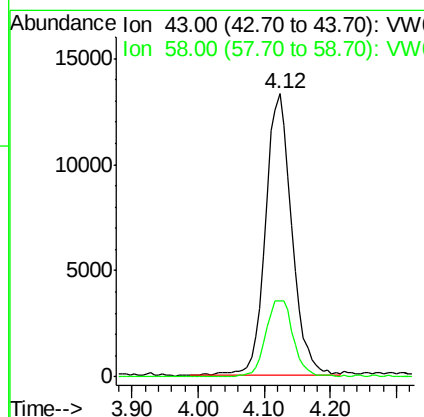
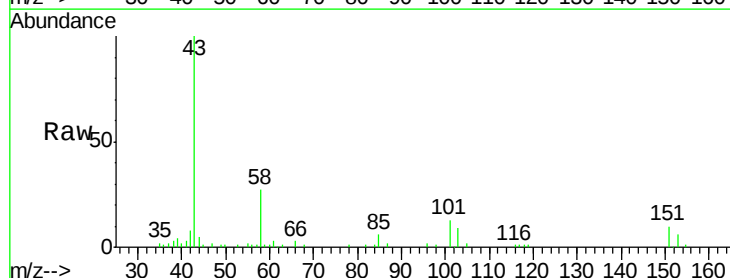
RT: 4.12 min Scan# 364

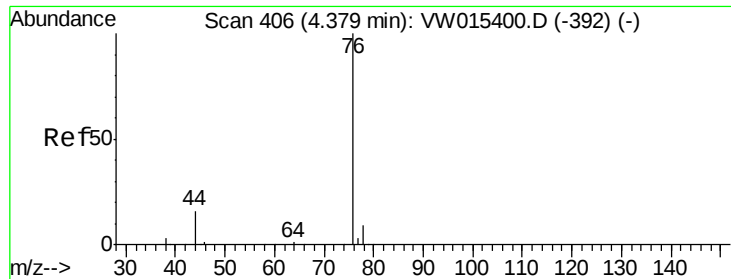
Delta R.T. 0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion:	43	Resp:	36708
Ion	Ratio	Lower	Upper
43	100		
58	27.0	23.4	35.0





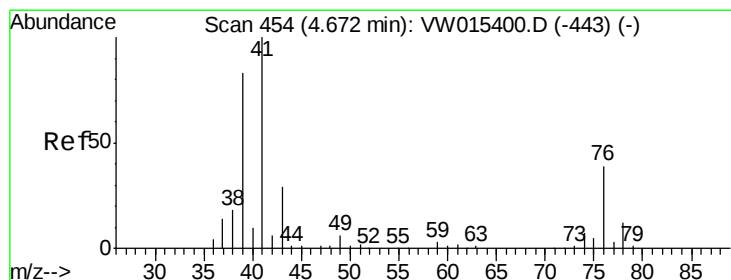
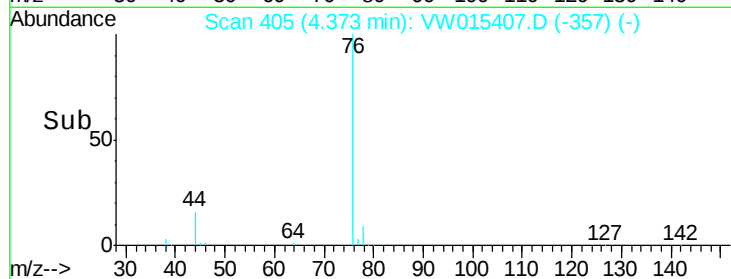
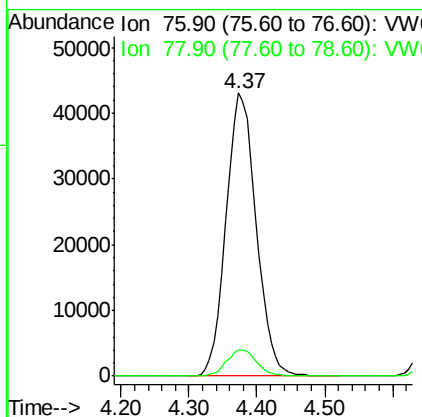
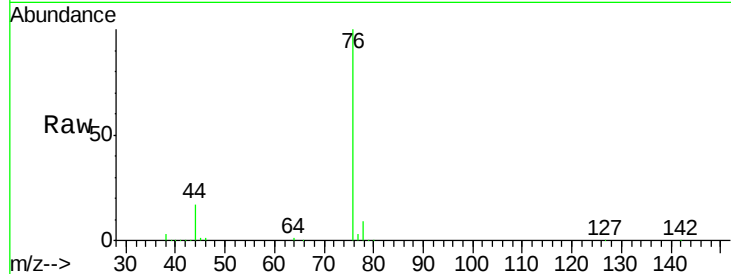
#17
Carbon Disulfide
Concen: 20.576 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0506SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

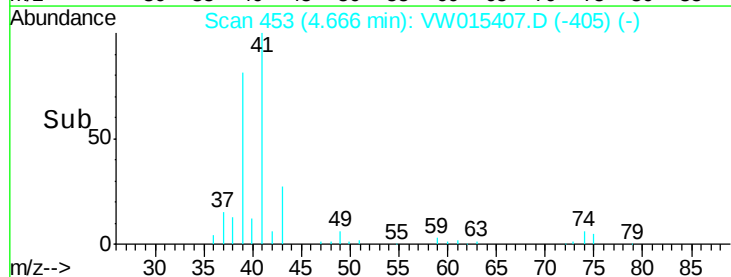
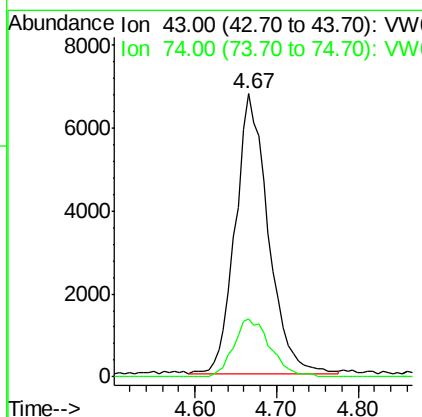
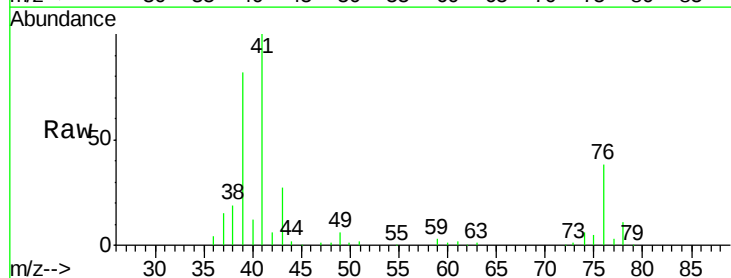
Manual Integrations
APPROVED

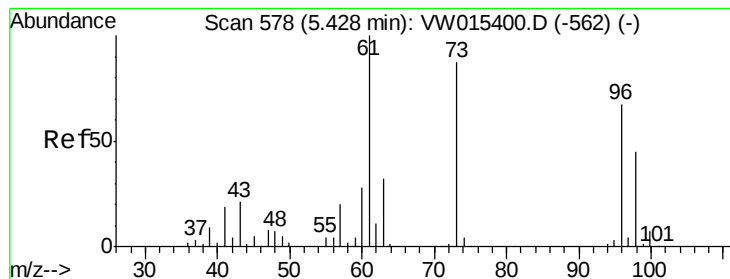
MMDadoda
5/7/2020 10:34:49 AM



#18
Methyl Acetate
Concen: 19.358 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.7	28.1





#19

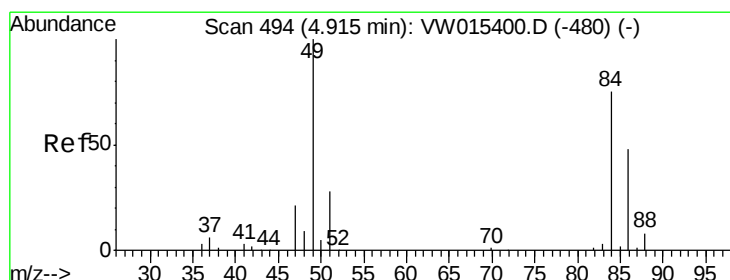
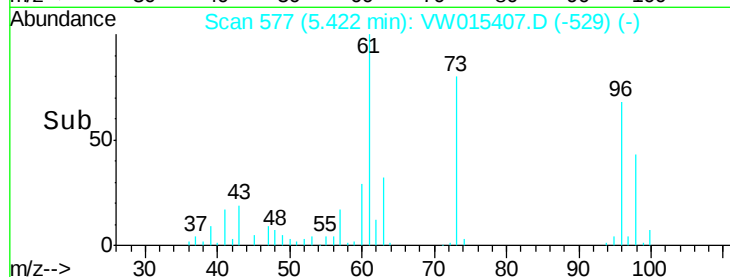
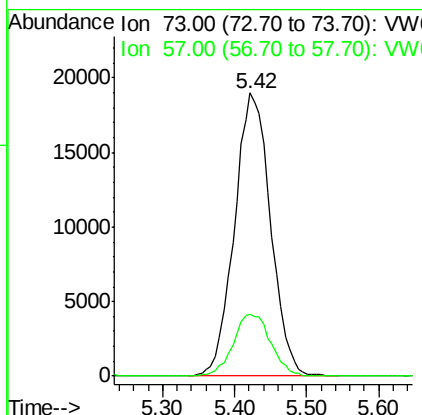
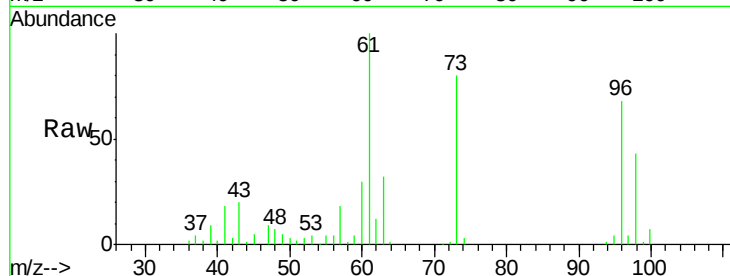
Methyl tert-butyl Ether
 Concen: 19.565 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7

Manual Integrations
 APPROVED

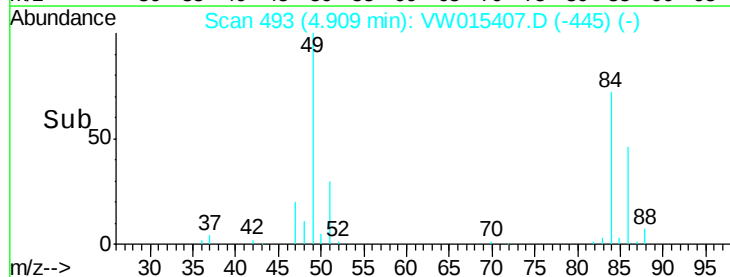
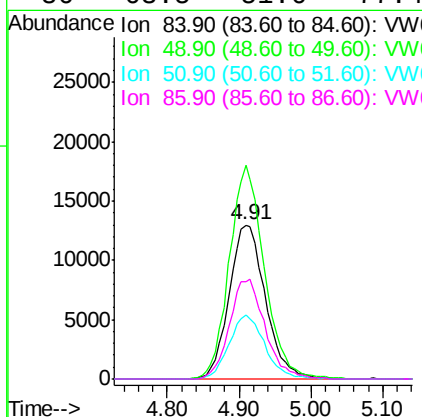
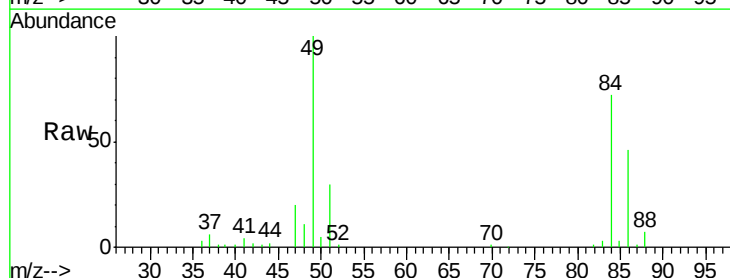
MMDadoda
 5/7/2020 10:34:49 AM

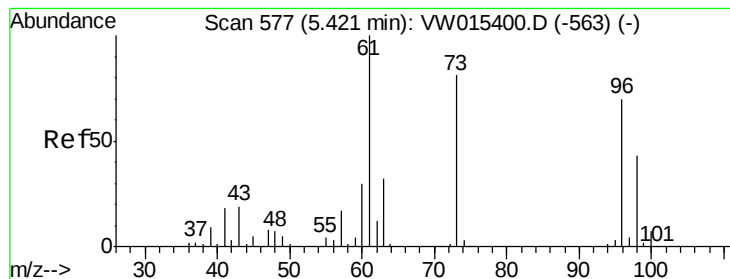


#20

Methylene Chloride
 Concen: 18.788 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.9	106.4	159.6
51	41.5	30.2	45.2
86	63.5	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 20.245 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0506SBS01

Tot Ion: 96 Resp: 48229

Ion Ratio Lower Upper

96 100

61 147.7 114.9 172.3

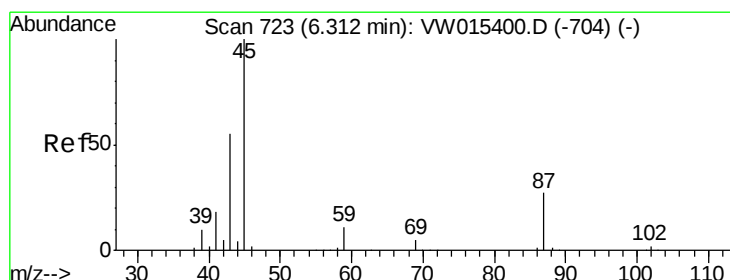
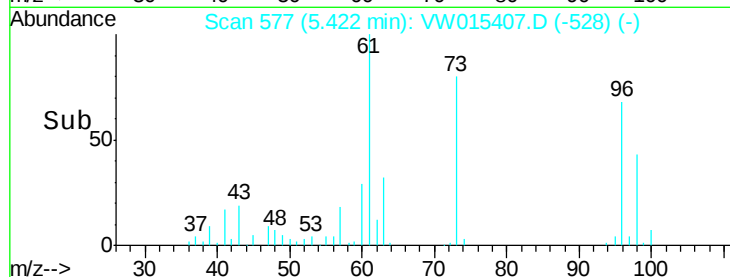
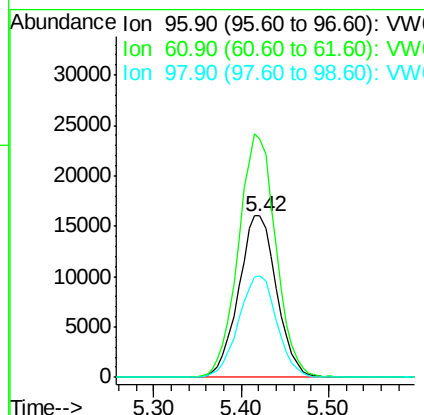
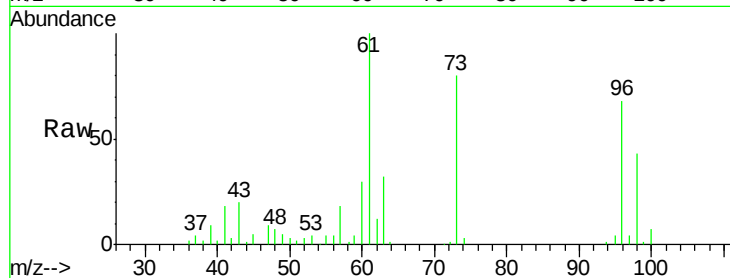
98 63.2 49.4 74.0

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:34:49 AM



#22

Diisopropyl ether

Concen: 19.848 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion: 45 Resp: 142610

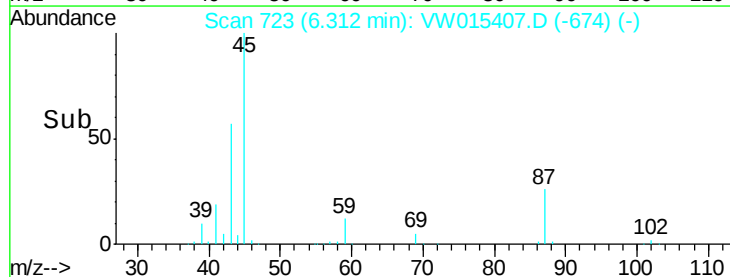
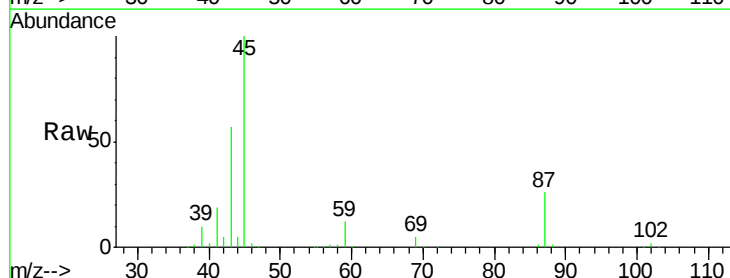
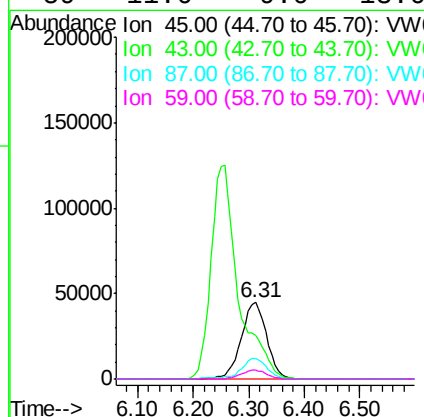
Ion Ratio Lower Upper

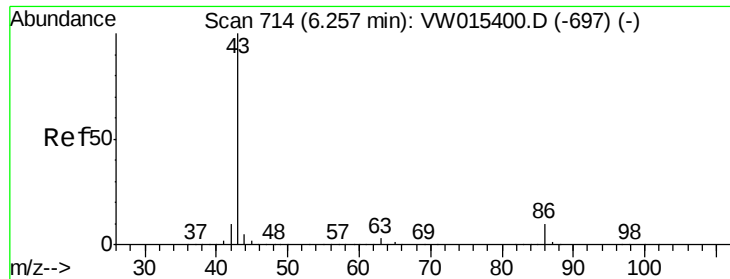
45 100

43 56.2 44.2 66.4

87 26.3 21.6 32.4

59 11.6 9.0 13.6





#23

Vinyl Acetate

Concen: 97.387 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0506SBS01

Tot Ion: 43 Resp: 425369

Ion Ratio Lower Upper

43 100

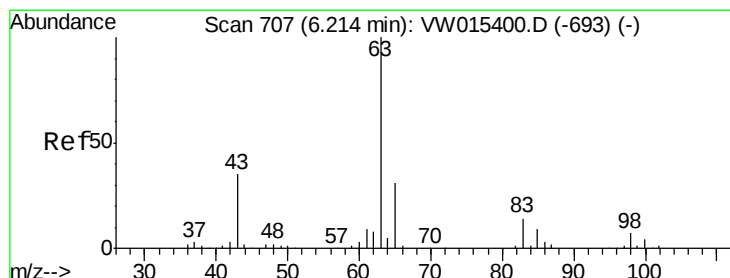
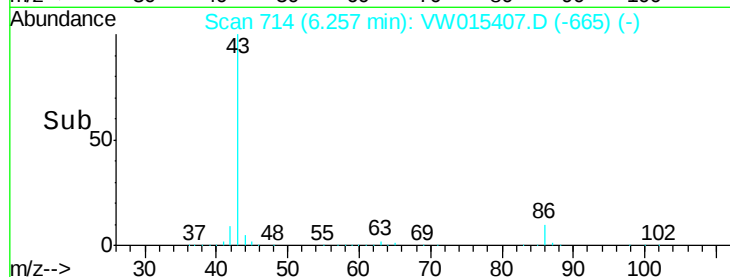
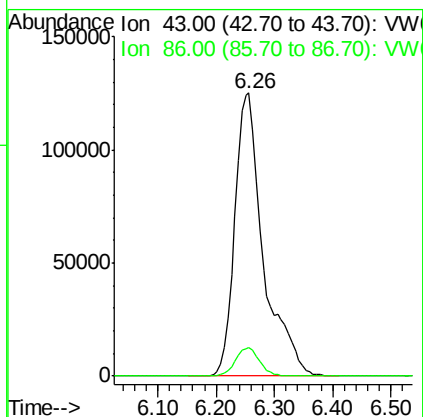
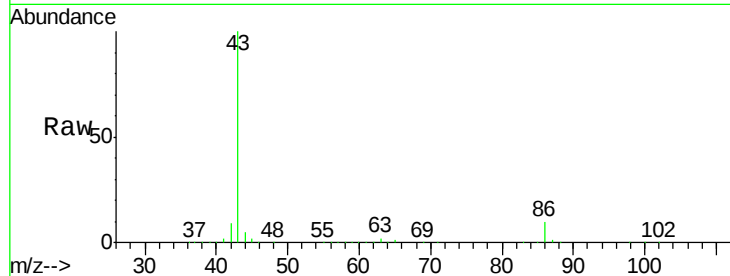
86 9.9 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:34:49 AM



#24

1,1-Dichloroethane

Concen: 20.261 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

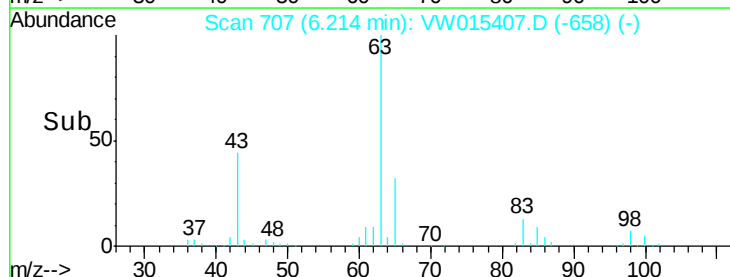
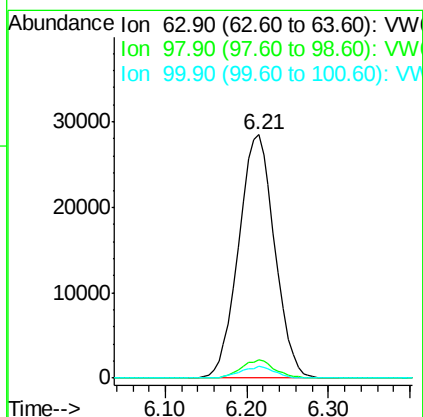
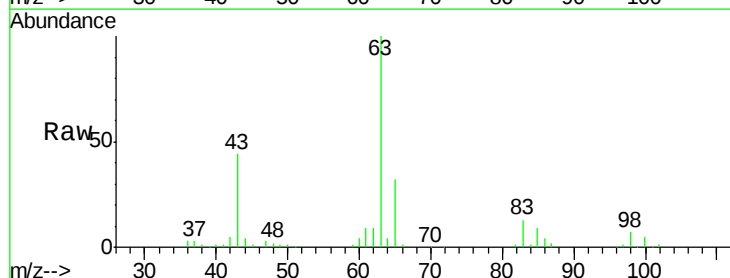
Tgt Ion: 63 Resp: 87274

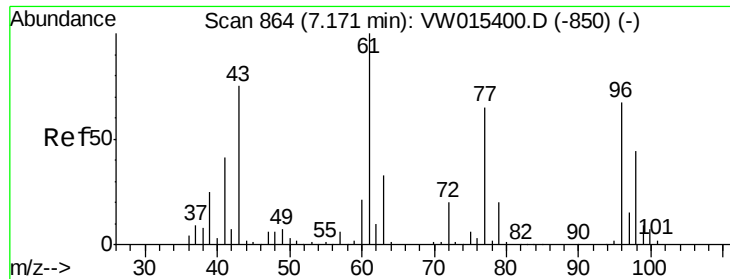
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.8 2.1 6.5





#25

2-Butanone

Concen: 93.776 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0506SBS01

Tot Ion: 43 Resp: 54196

Ion Ratio Lower Upper

43 100

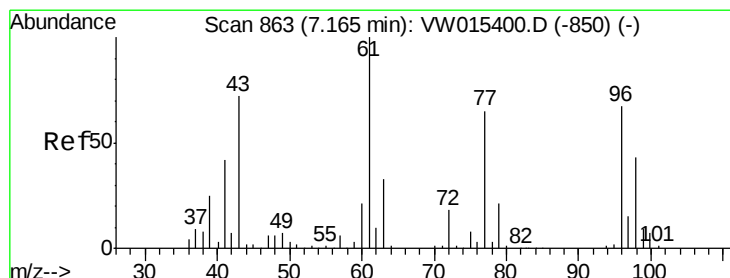
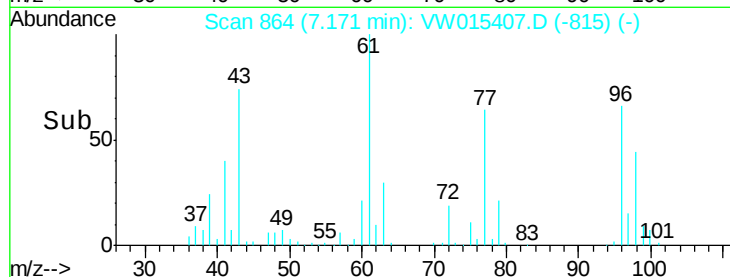
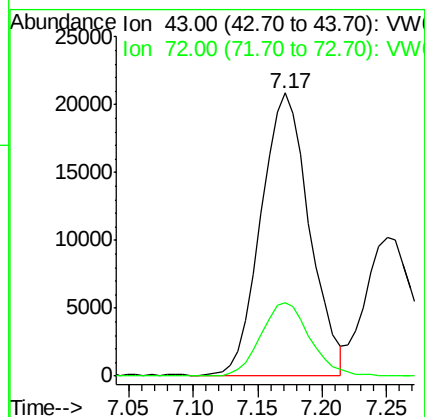
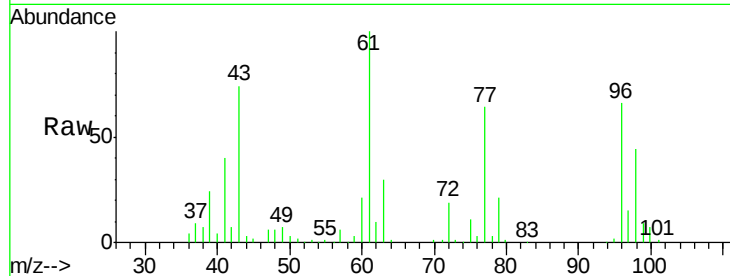
72 26.0 21.4 32.0

Manual Integrations

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MMDadoda

5/7/2020 10:34:49 AM



#26

2,2-Dichloropropane

Concen: 20.143 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015407.D

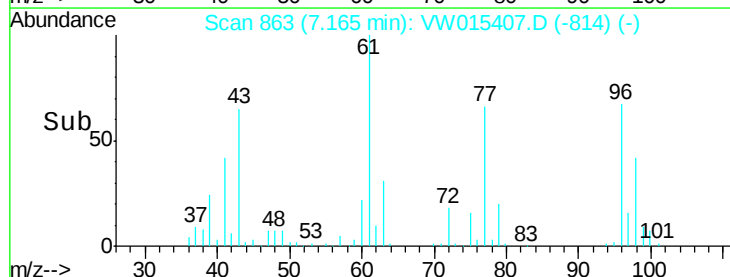
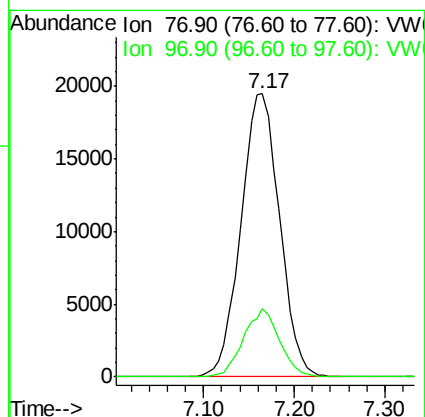
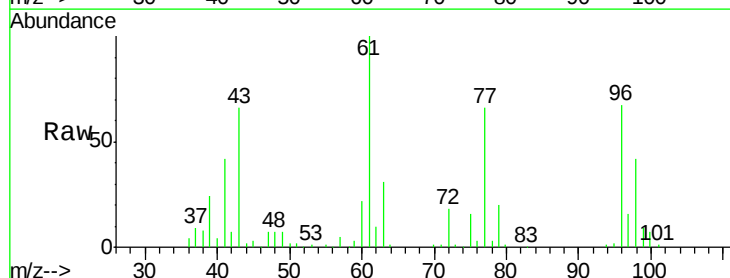
Acq: 06 May 2020 11:36

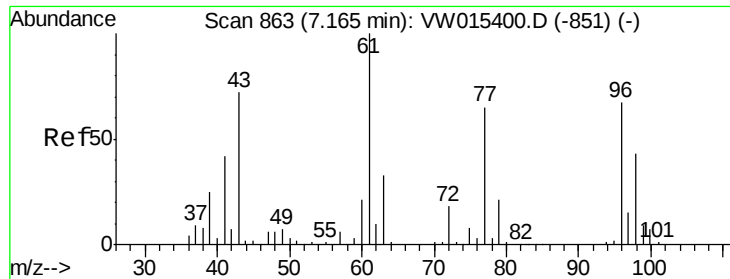
Tgt Ion: 77 Resp: 57509

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.1





#27

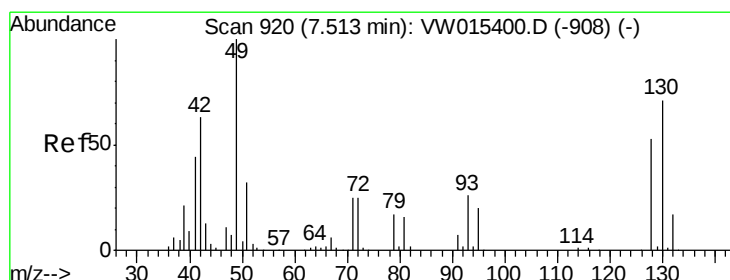
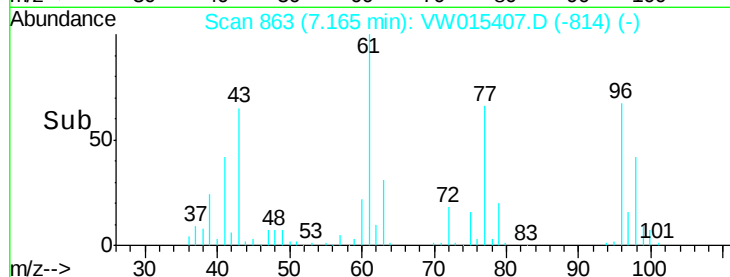
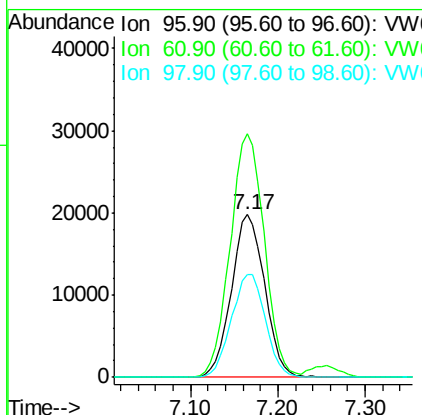
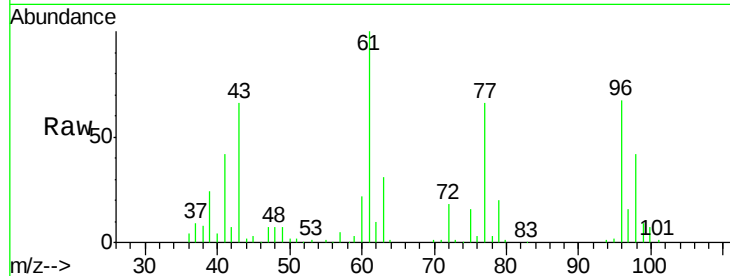
cis-1,2-Dichloroethene
Concen: 20.240 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0506SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	304.6
98	64.5	0.0	129.2

Manual Integrations
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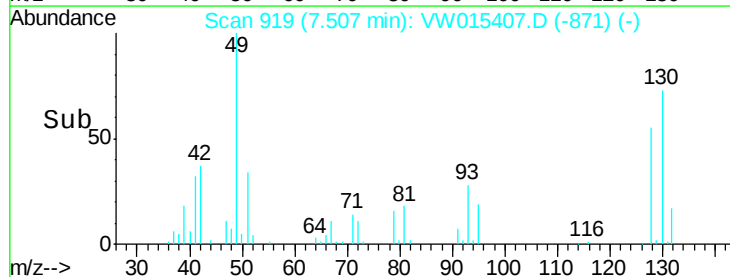
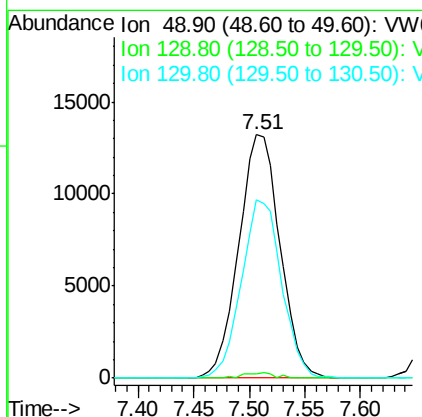
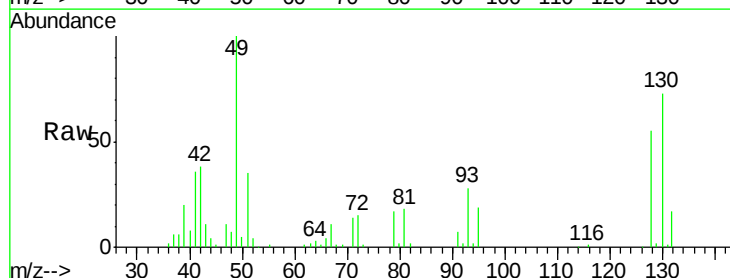
MMDadoda
5/7/2020 10:34:49 AM

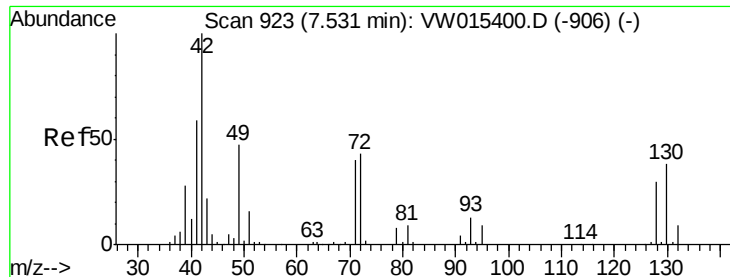


#28

Bromochloromethane
Concen: 19.676 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	71.3	57.0	85.4





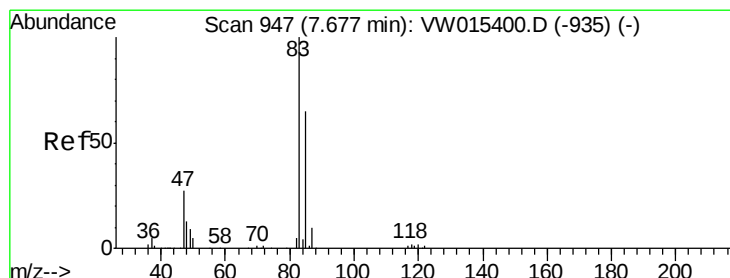
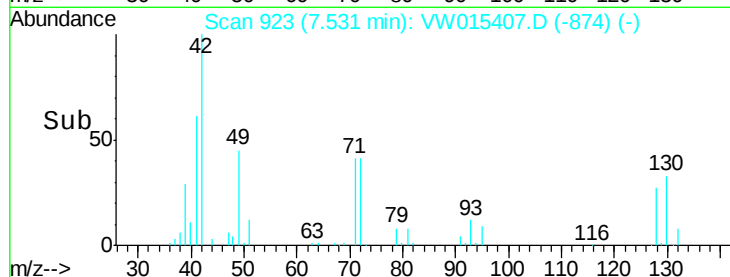
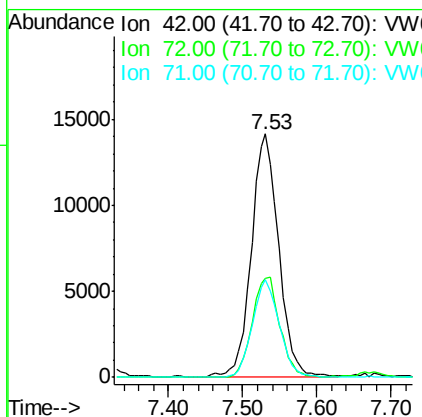
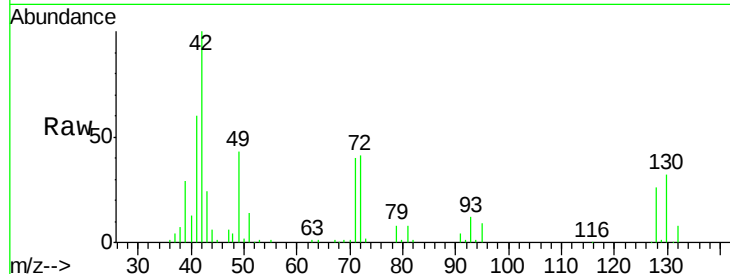
#29
Tetrahydrofuran
Concen: 96.032 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0506SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.6	50.4
71	39.3	32.1	48.1

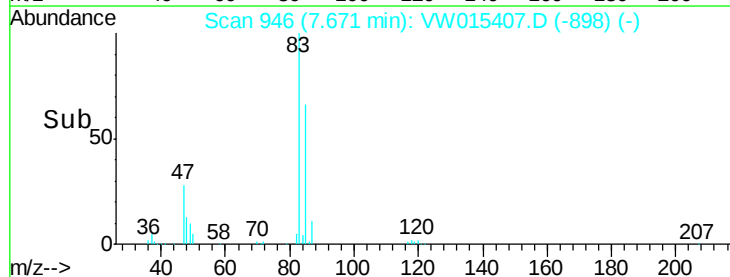
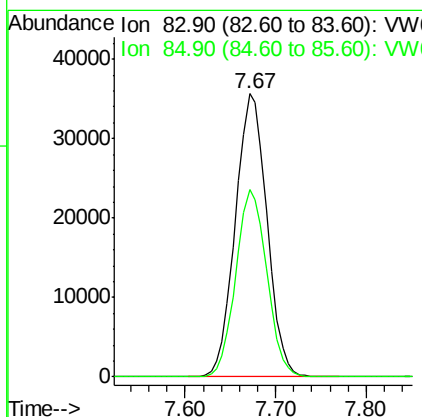
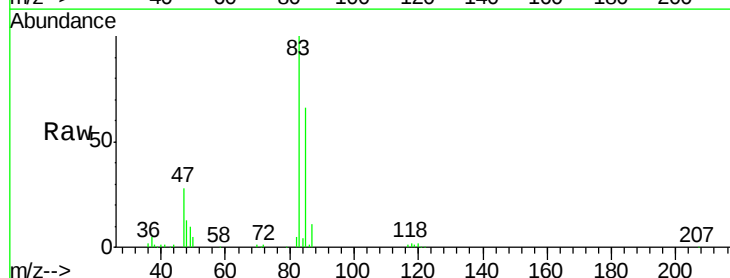
Manual Integrations
APPROVED

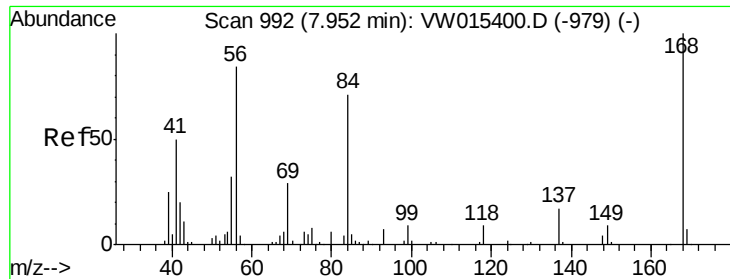
MMDadoda
5/7/2020 10:34:49 AM



#30
Chloroform
Concen: 20.123 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.8	77.6





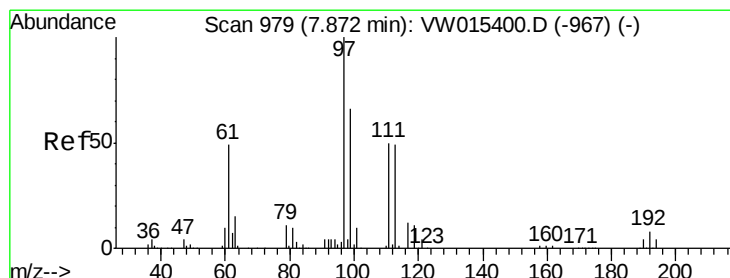
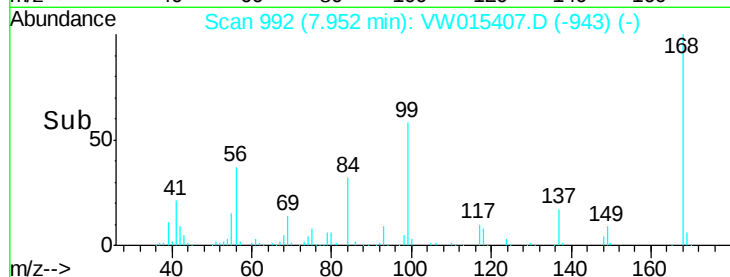
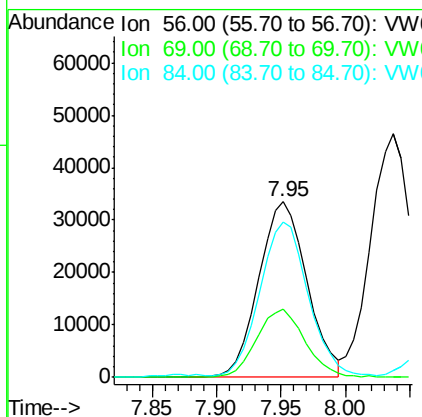
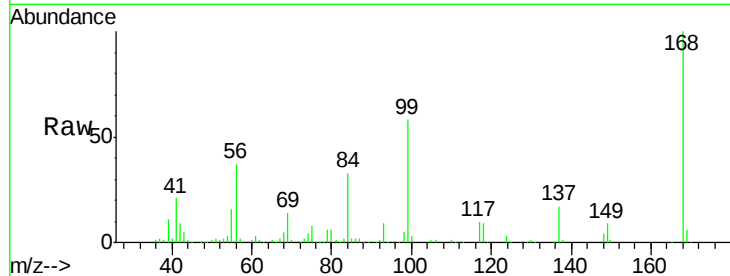
#31
Cyclohexane
Concen: 19.908 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0506SBS01

Tot Ion	56	69	84
Resp:	87071		
Ion Ratio	100	39.3	87.4
Lower		27.2	67.7
Upper		40.8	101.5

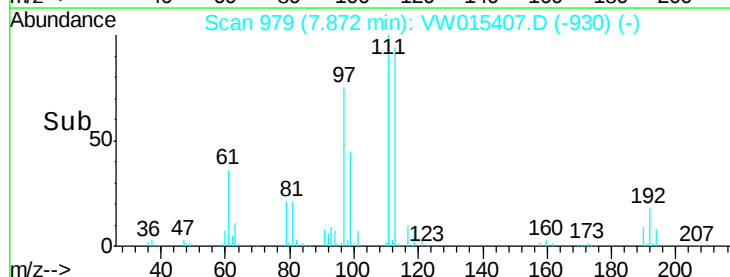
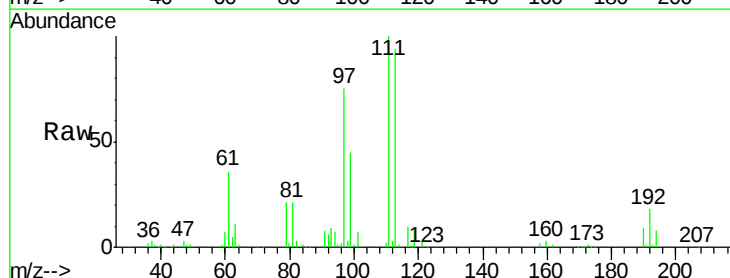
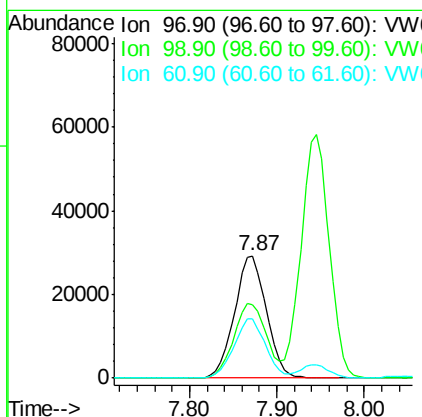
Manual Integrations
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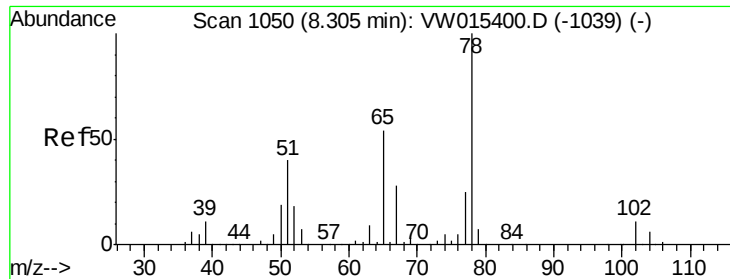
MMDadoda
5/7/2020 10:34:49 AM



#32
1,1,1-Trichloroethane
Concen: 20.576 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	97	99	61
Resp:	74014		
Ion Ratio	100	62.2	48.0
Lower		50.7	38.0
Upper		76.1	57.0





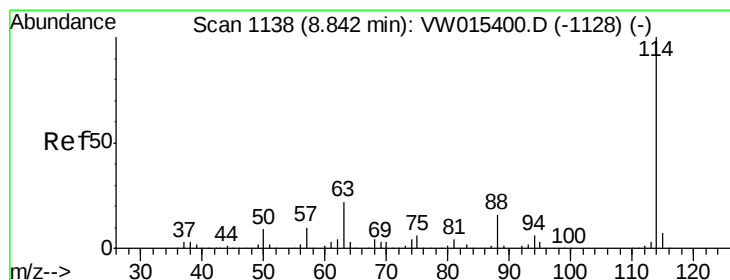
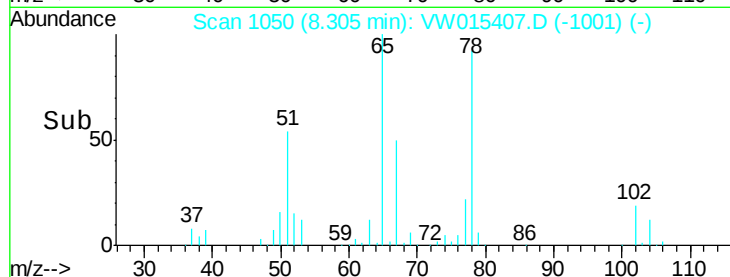
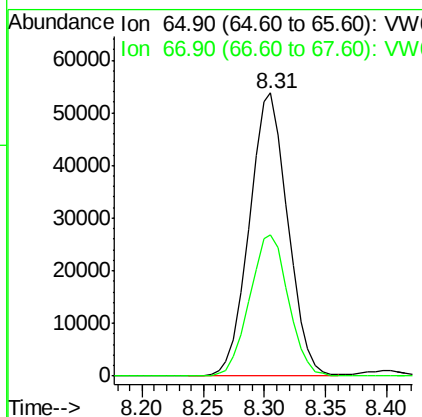
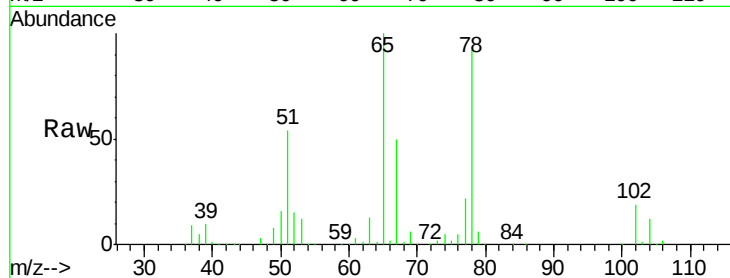
#33
 1,2-Dichloroethane-d4
 Concen: 49.207 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117445		
67	50.5	0.0	102.8	

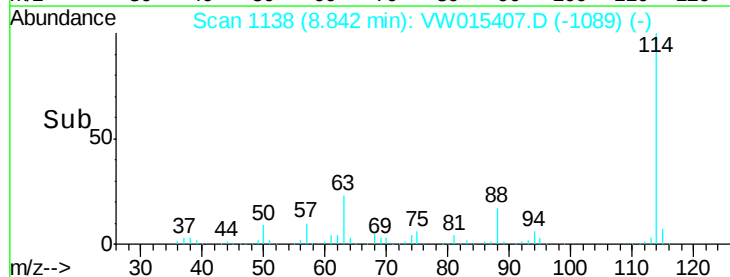
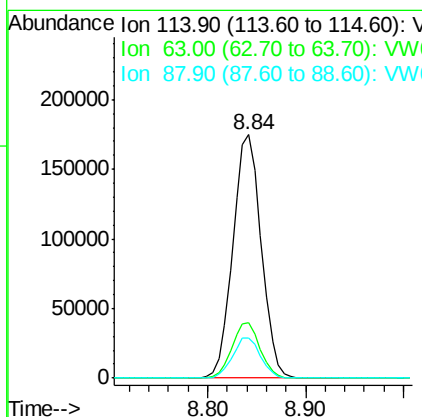
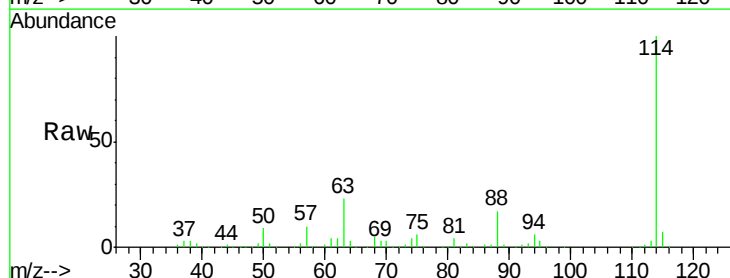
Manual Integrations
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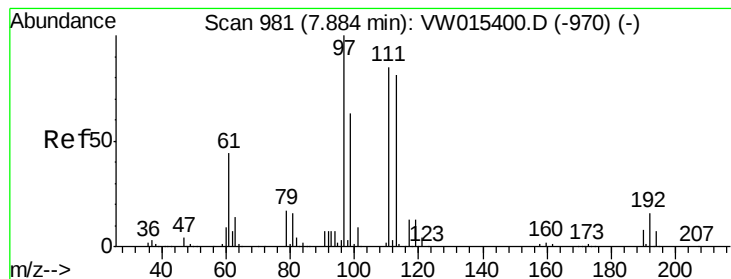
MMDadoda
 5/7/2020 10:34:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	350567		
63	22.8	0.0	43.4	
88	16.7	0.0	31.8	





#35

Dibromofluoromethane

Concen: 52.181 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

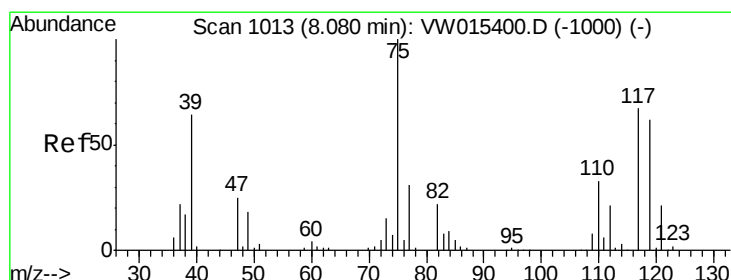
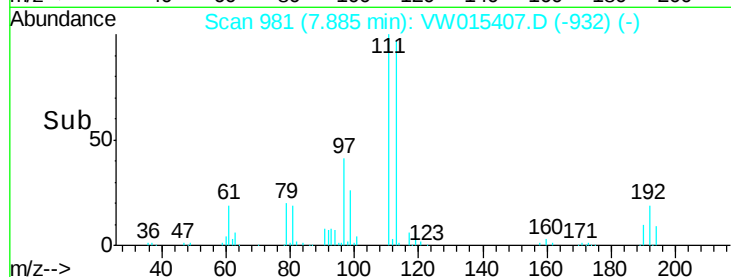
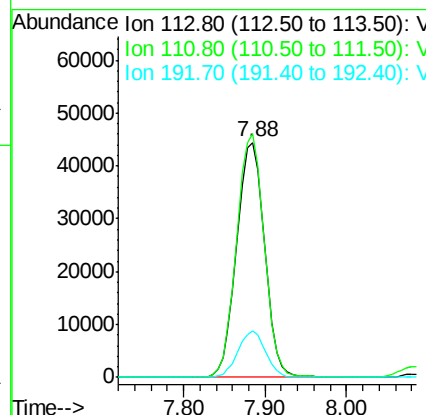
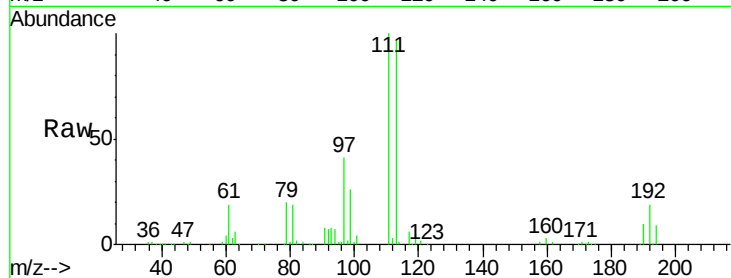
ClientSampleId :

VW0506SBS01

Tot Ion:	113	Resp:	104993
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.9	124.3
192	19.6	15.4	23.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.958 ug/l

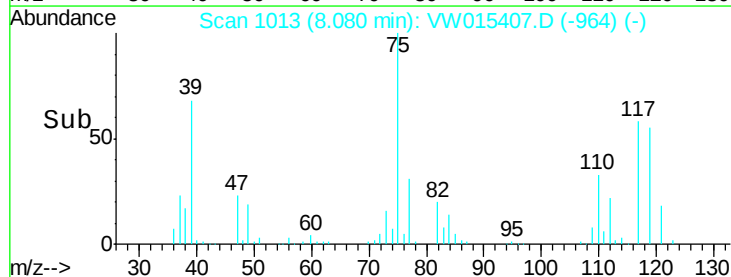
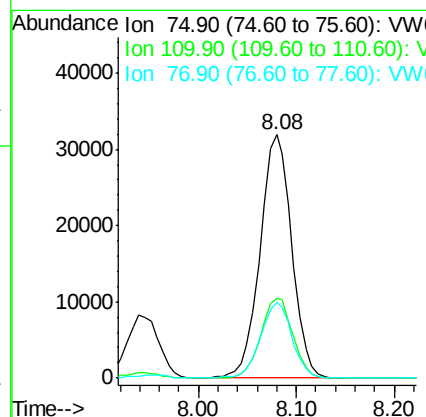
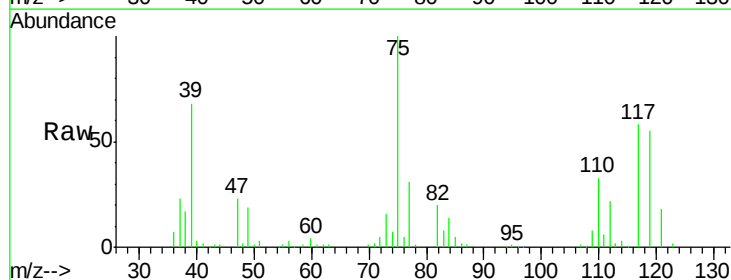
RT: 8.08 min Scan# 1013

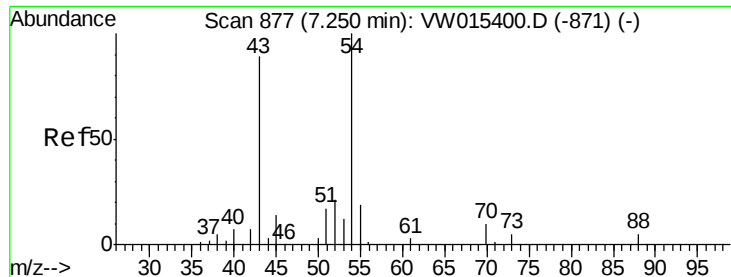
Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion:	75	Resp:	72184
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.6	49.8
77	31.1	24.5	36.7





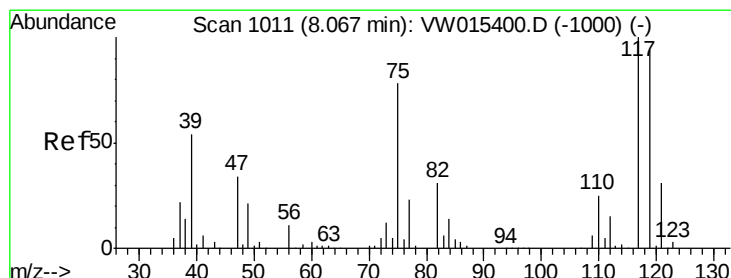
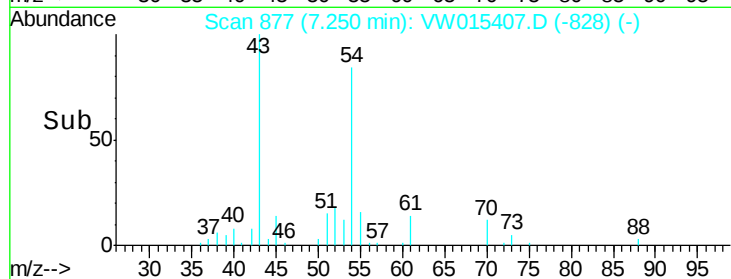
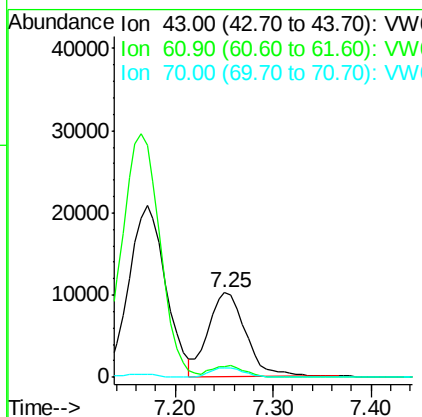
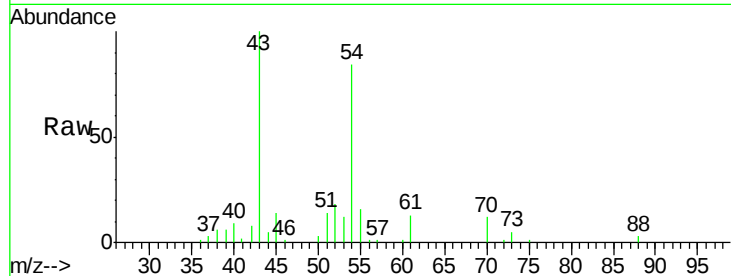
#37
Ethyl Acetate
Concen: 20.349 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0506SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	10.6	8.0	12.0

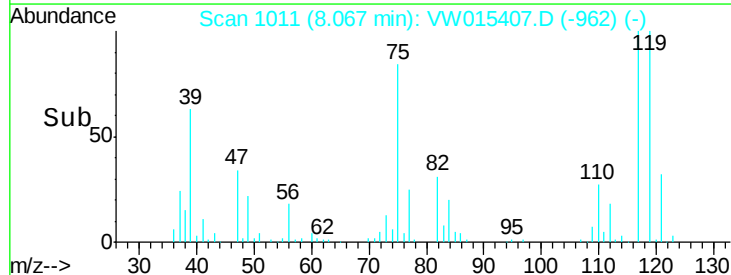
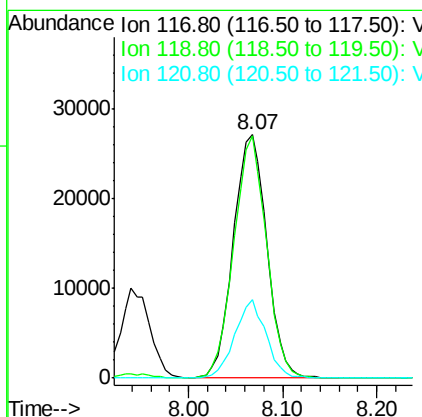
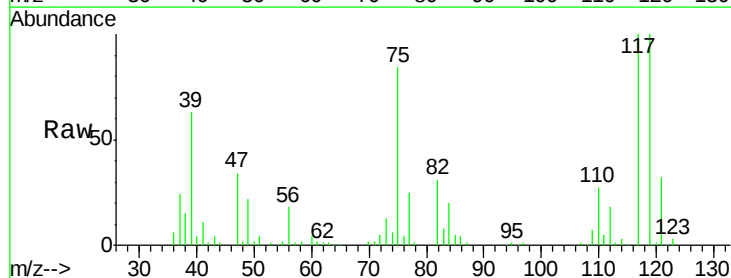
Manual Integrations
APPROVED

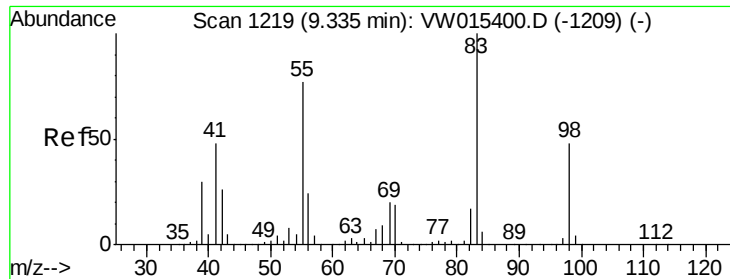
MMDadoda
5/7/2020 10:34:49 AM



#38
Carbon Tetrachloride
Concen: 20.915 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	75.4	113.0
121	32.4	24.8	37.2





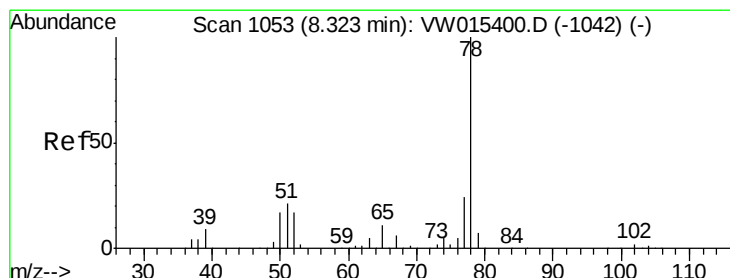
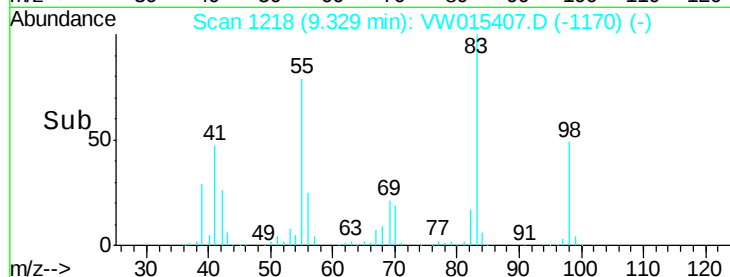
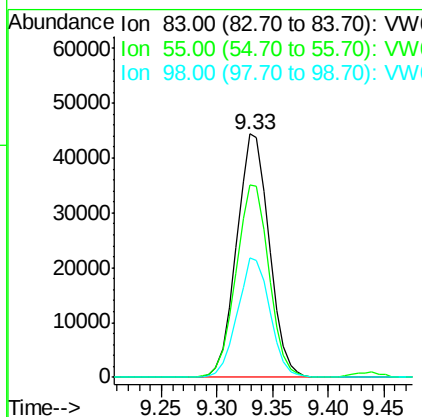
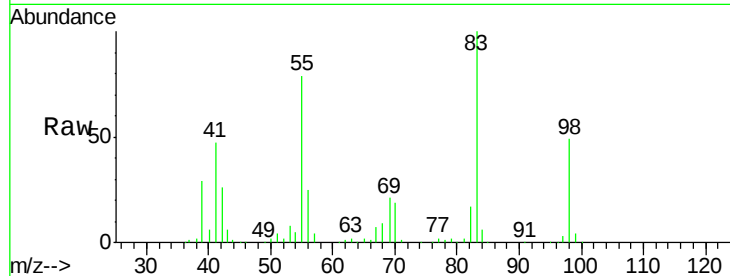
#39
Methvlcvclohexane
Concen: 20.689 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0506SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.9	92.9
98	48.9	38.2	57.2

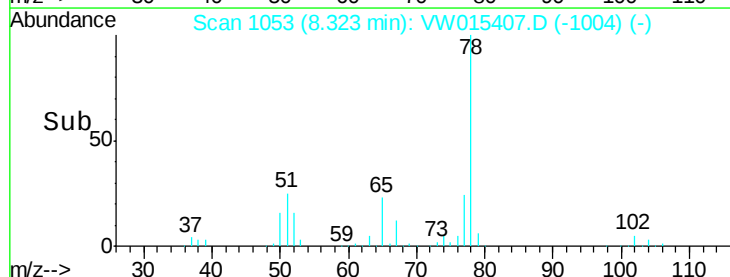
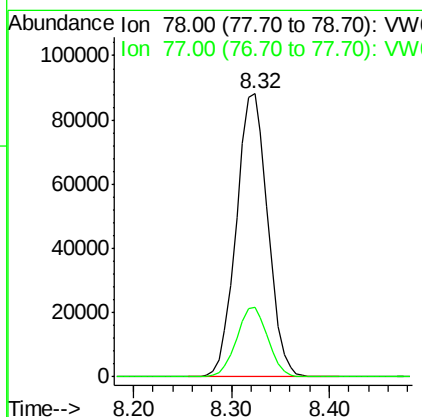
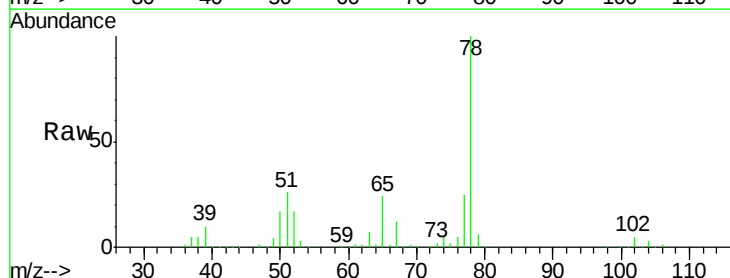
Manual Integrations
APPROVED

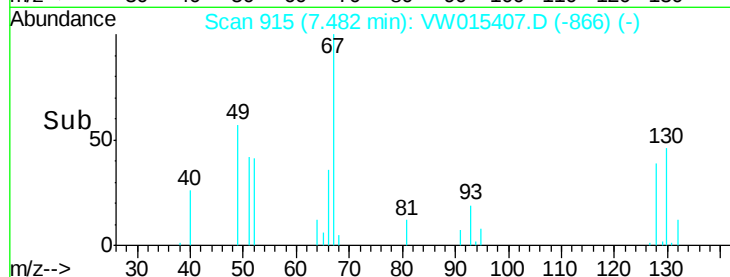
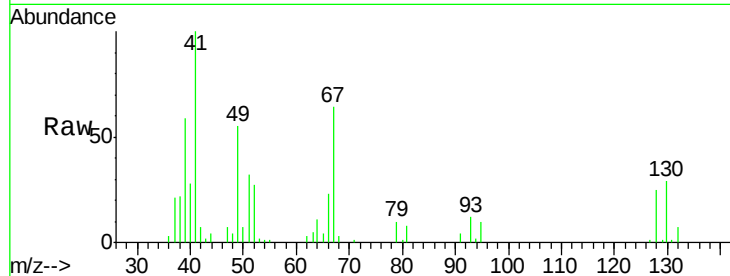
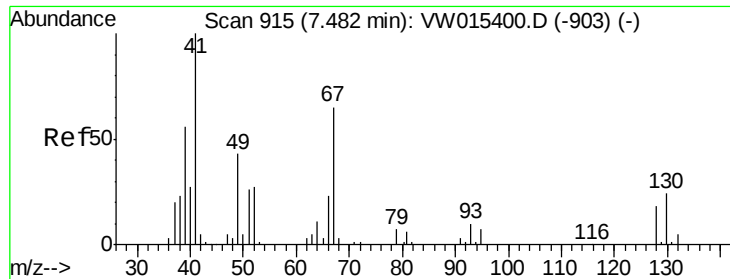
MMDadoda
5/7/2020 10:34:49 AM



#40
Benzene
Concen: 20.927 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.4





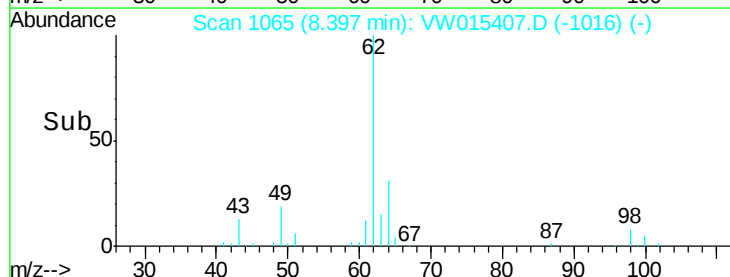
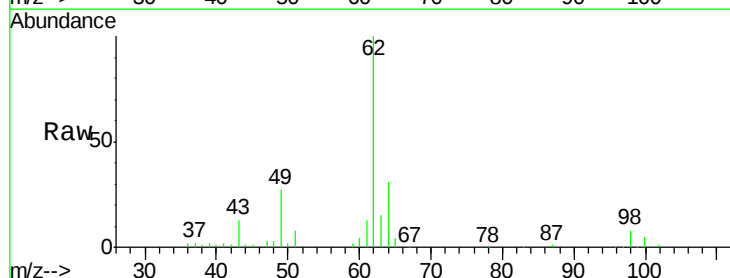
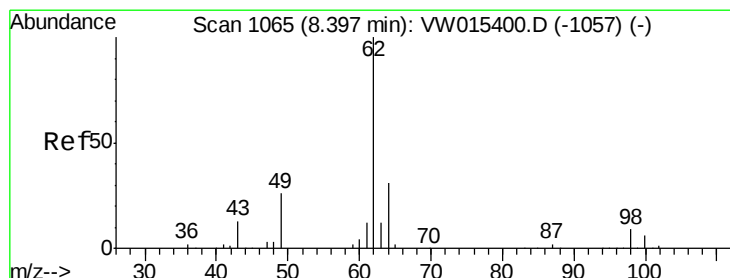
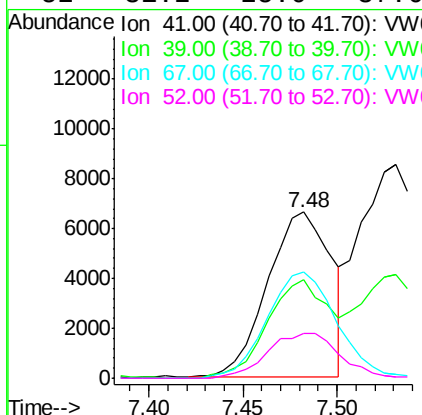
#41
Methacrylonitrile
Concen: 18.226 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.8	46.2	69.4	
67	71.4	56.2	84.2	
52	31.2	25.0	37.6	

Instrument :
MSVOA_W
ClientSampled :
VW0506SBS01

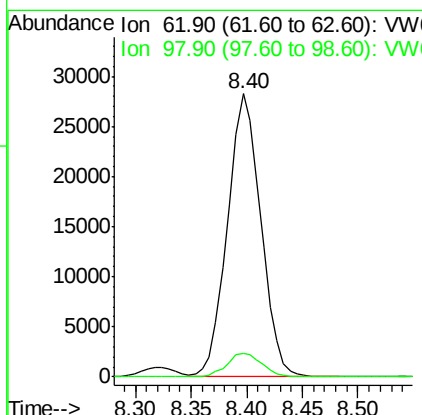
Manual Integrations
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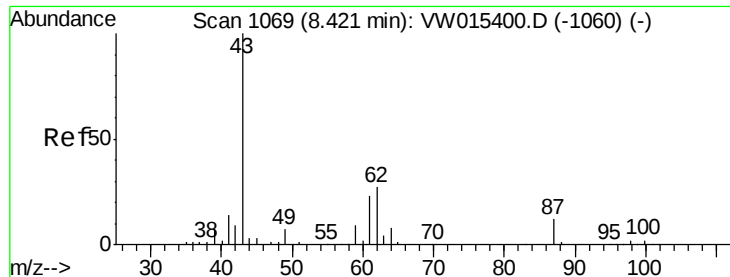
MMDadoda
5/7/2020 10:34:49 AM



#42
1,2-Dichloroethane
Concen: 20.532 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.6	





#43

Isopropyl Acetate

Concen: 19.428 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

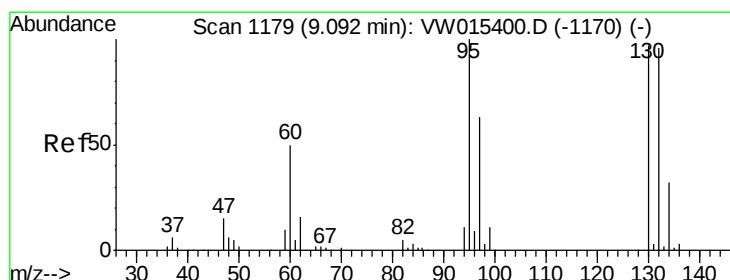
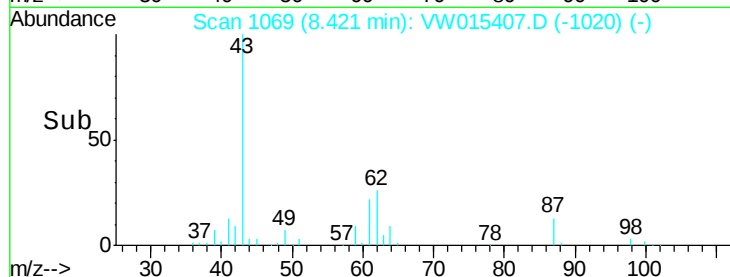
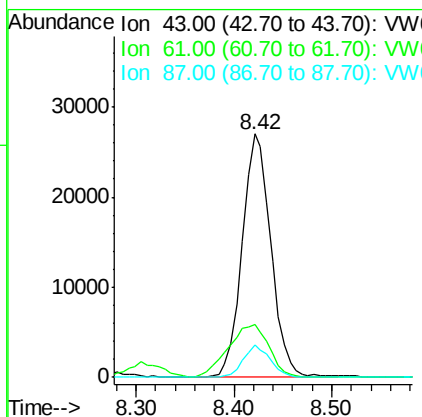
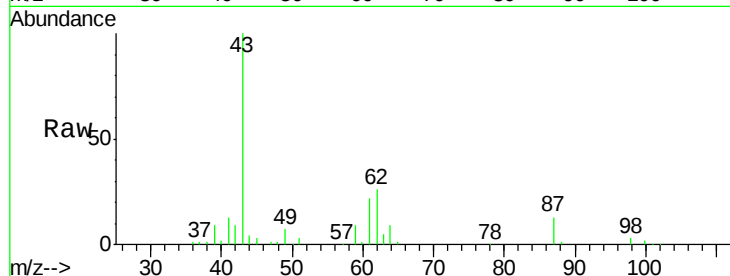
ClientSampleId :

VW0506SBS01

Tot Ion:	43	Resp:	54606
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.3	36.5
87	12.5	10.1	15.1

Manual Integrations
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#44

Trichloroethene

Concen: 20.920 ug/l

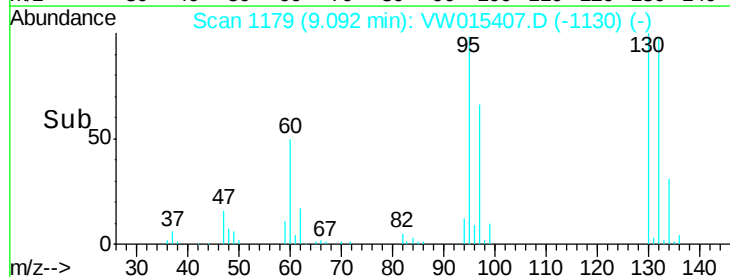
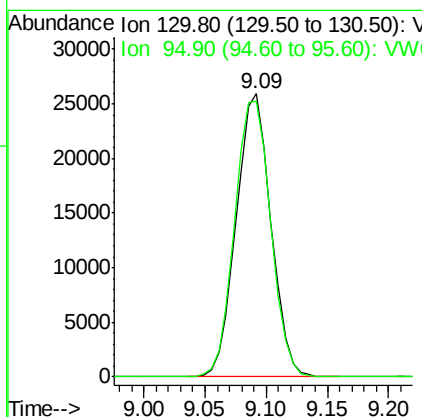
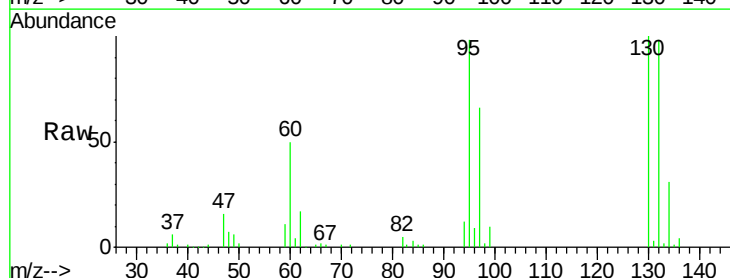
RT: 9.09 min Scan# 1179

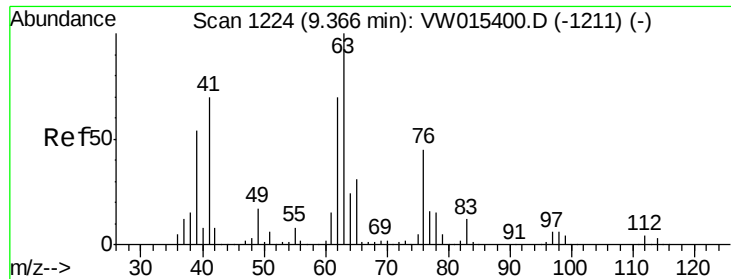
Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion:	130	Resp:	50933
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	205.8





#45

1,2-Dichloropropane

Concen: 20.775 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0506SBS01

Tot Ion: 63 Resp: 48210

Ion Ratio Lower Upper

63 100

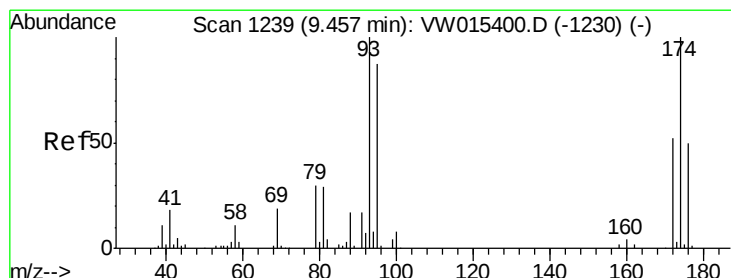
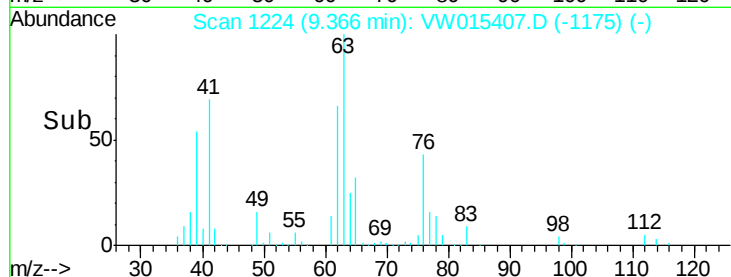
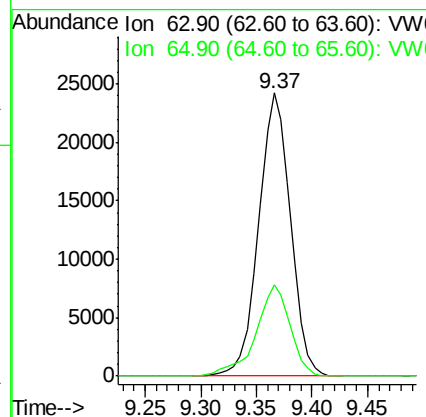
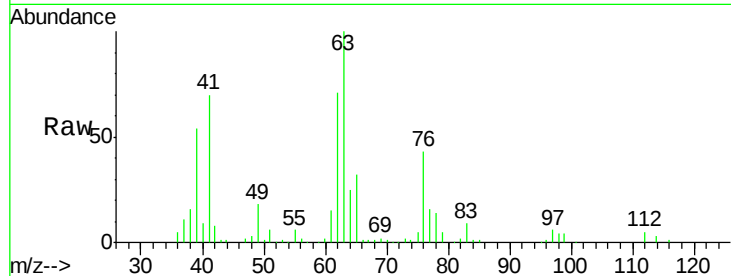
65 32.4 25.0 37.6

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#46

Dibromomethane

Concen: 20.878 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

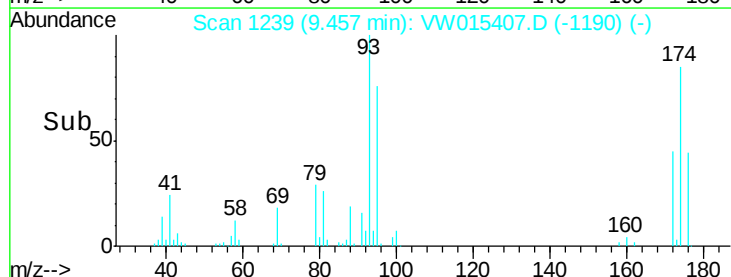
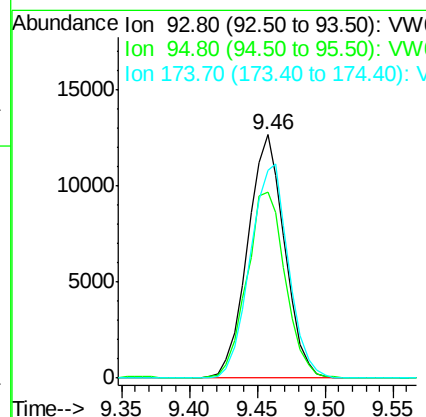
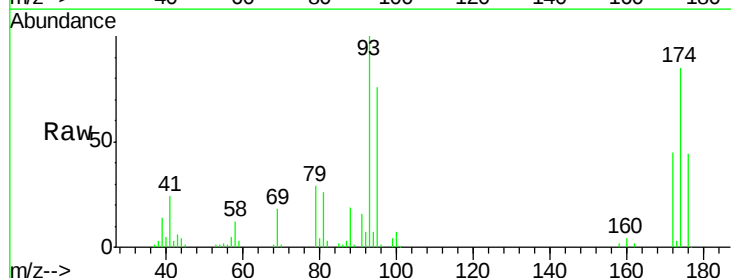
Tgt Ion: 93 Resp: 24097

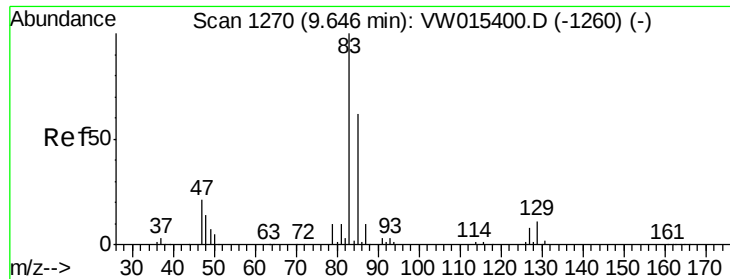
Ion Ratio Lower Upper

93 100

95 79.6 67.0 100.4

174 91.0 78.4 117.6





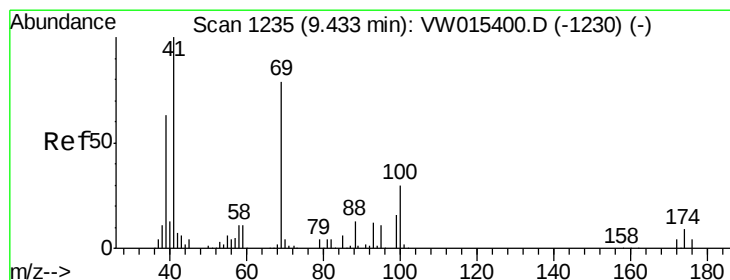
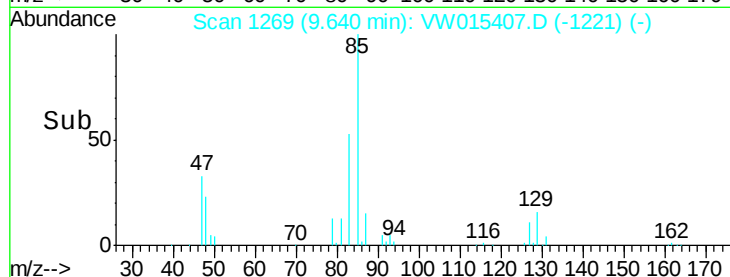
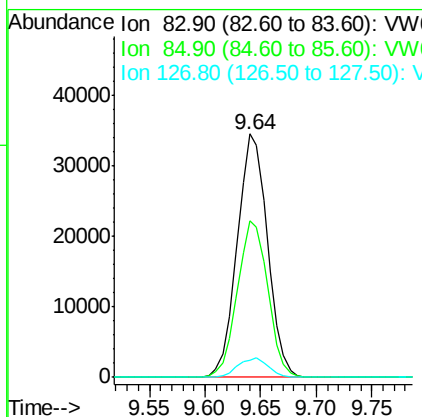
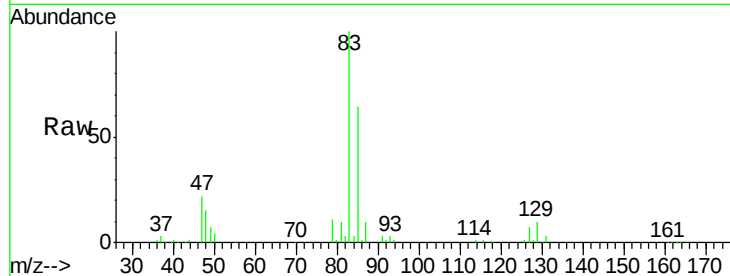
#47
Bromodichloromethane
Concen: 20.702 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0506SBS01

Tot Ion	83	Resp	65117
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	49.4	74.0
127	7.3	6.4	9.6

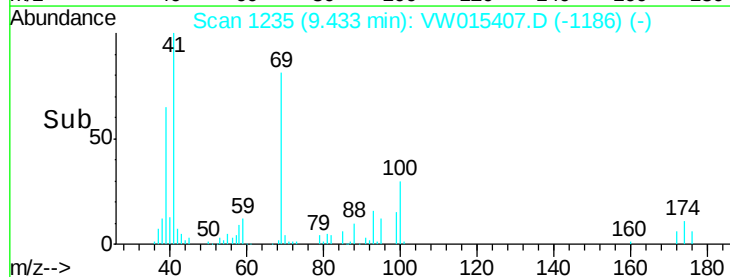
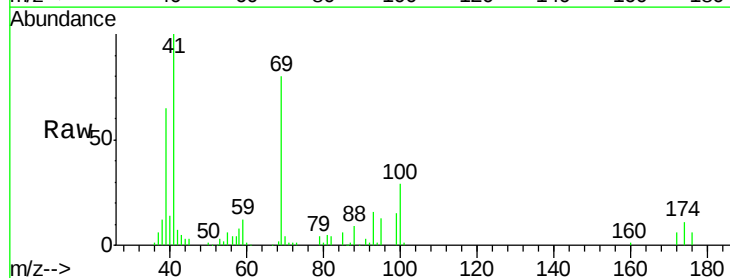
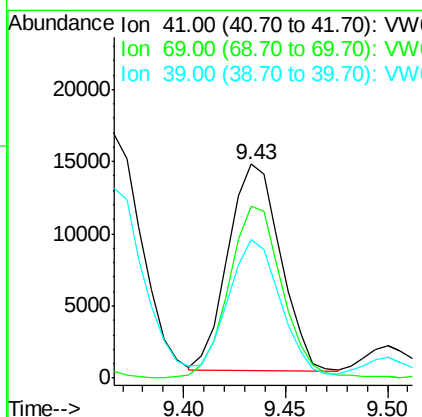
Manual Integrations
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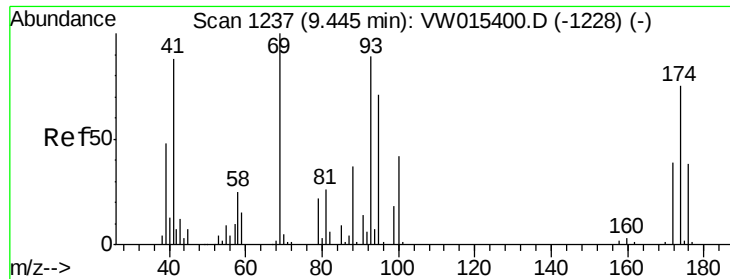
MMDadoda
5/7/2020 10:34:49 AM



#48
Methyl methacrylate
Concen: 19.702 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	41	Resp	25579
Ion Ratio	100	Lower	Upper
41	100		
69	85.3	66.2	99.4
39	63.8	51.1	76.7





#49

1,4-Dioxane

Concen: 399.318 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

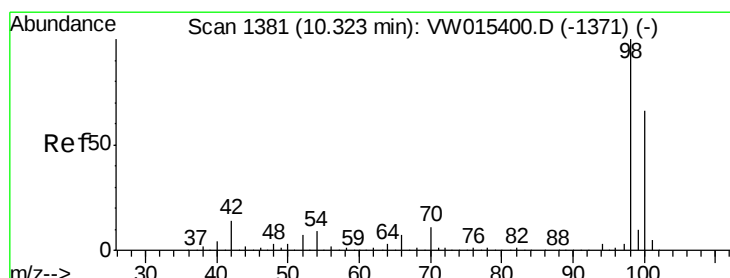
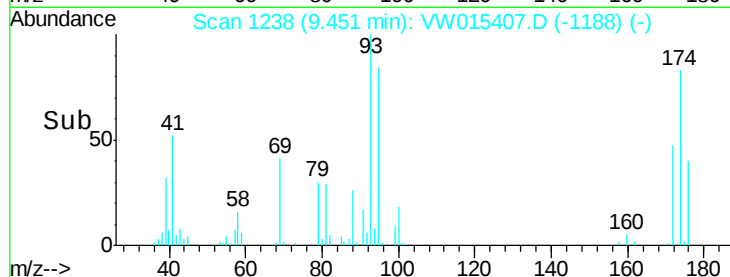
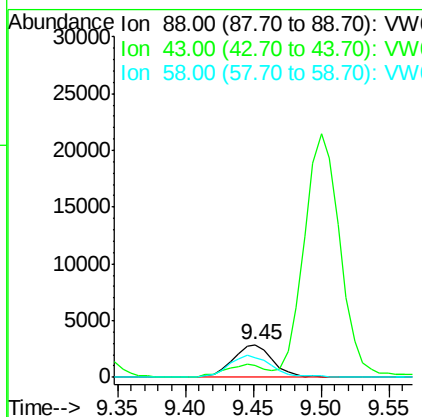
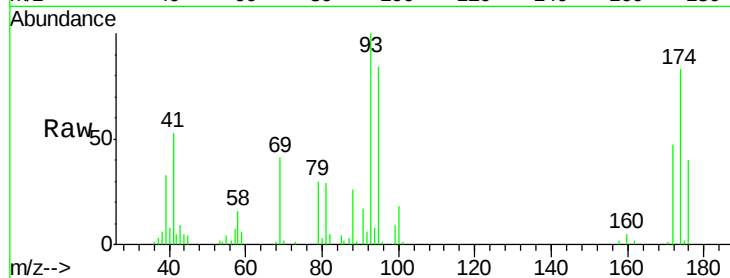
ClientSampleId :

VW0506SBS01

Tot Ion:	88	Resp:	5800
Ion	Ratio	Lower	Upper
88	100		
43	37.3	30.6	45.8
58	74.2	56.3	84.5

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#50

Toluene-d8

Concen: 51.960 ug/l

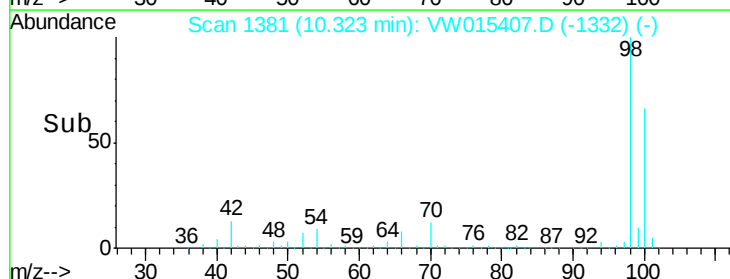
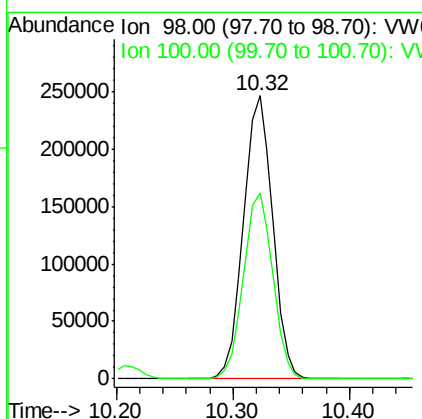
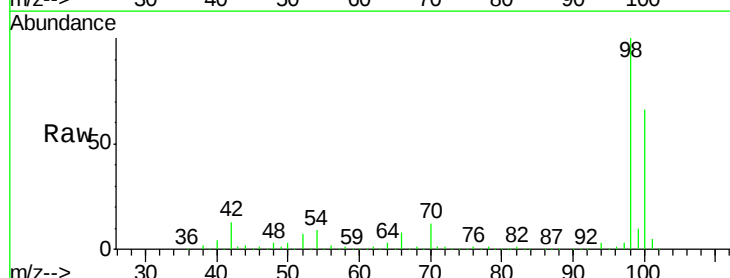
RT: 10.32 min Scan# 1381

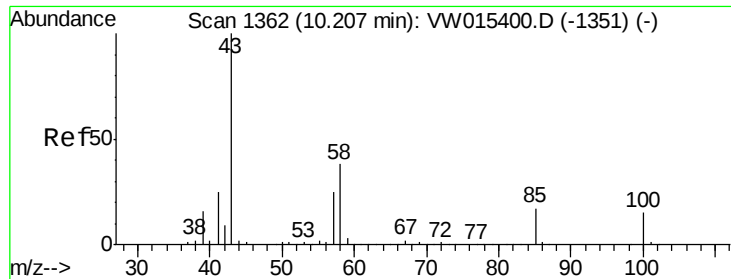
Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion:	98	Resp:	432660
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 97.707 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0506SBS01

Tot Ion: 43 Resp: 128701

Ion Ratio Lower Upper

43 100

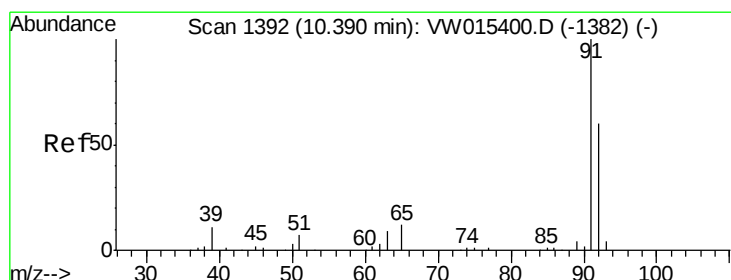
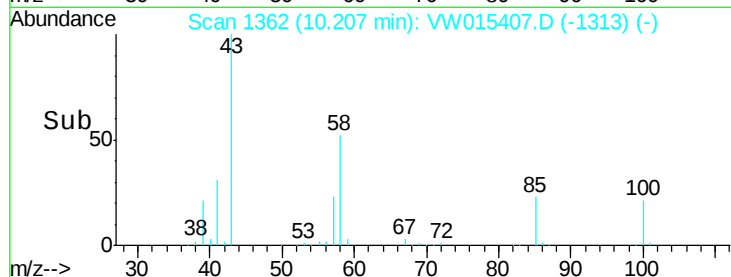
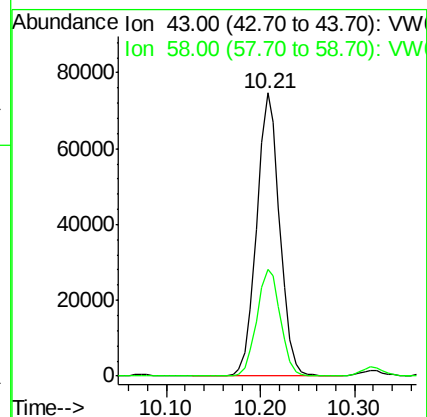
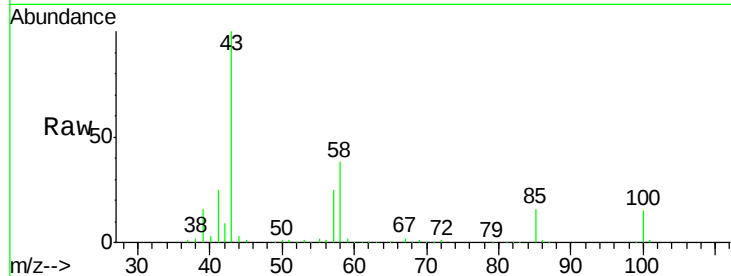
58 38.7 30.8 46.2

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#52

Toluene

Concen: 21.011 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015407.D

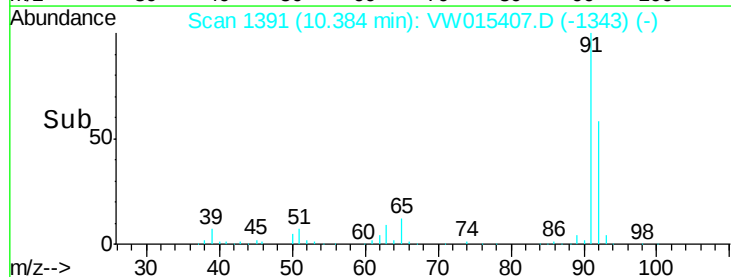
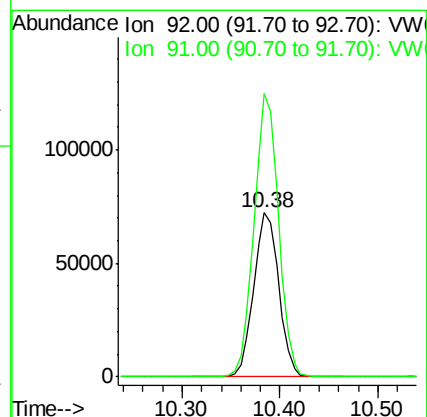
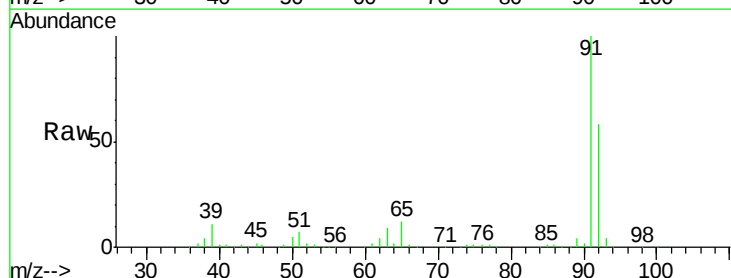
Acq: 06 May 2020 11:36

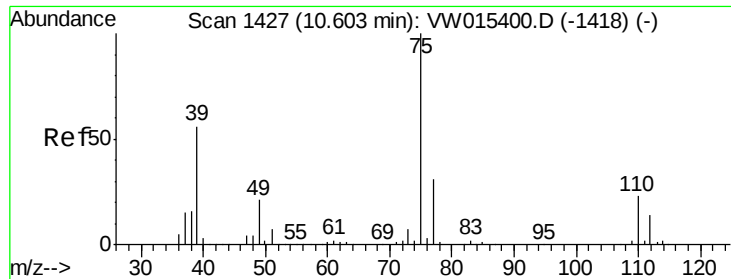
Tgt Ion: 92 Resp: 128260

Ion Ratio Lower Upper

92 100

91 168.8 135.9 203.9





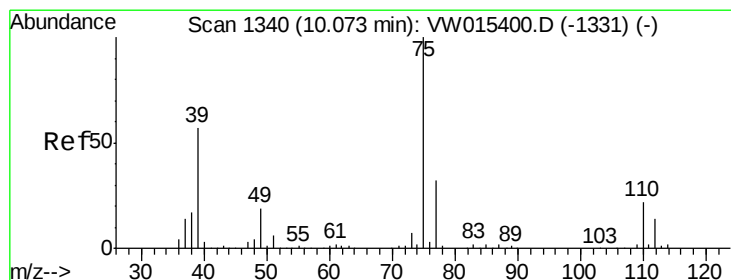
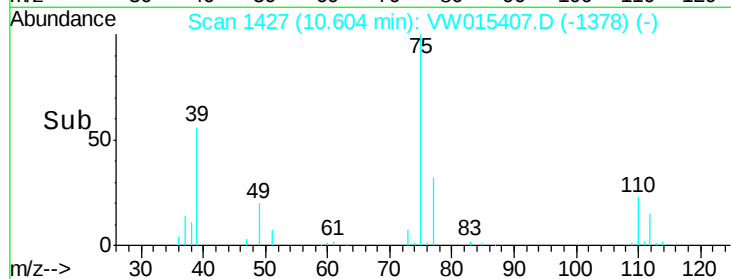
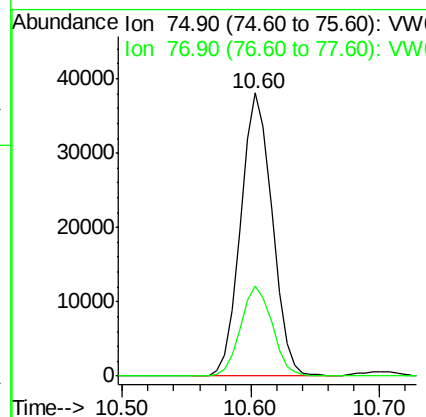
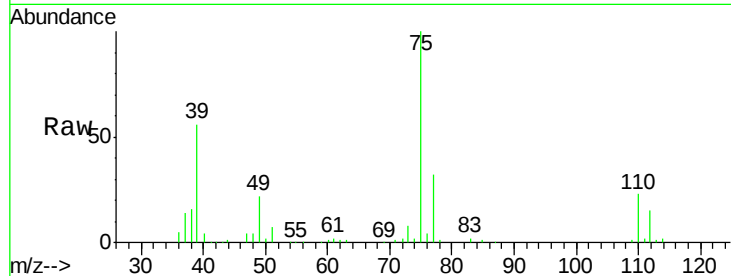
#53
 t-1,3-Dichloropropene
 Concen: 20.058 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3

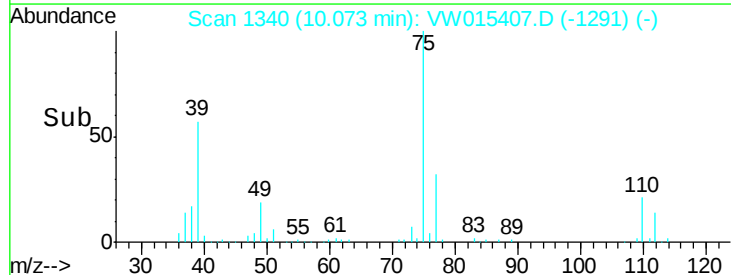
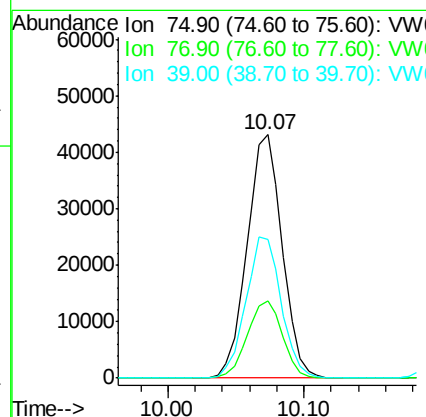
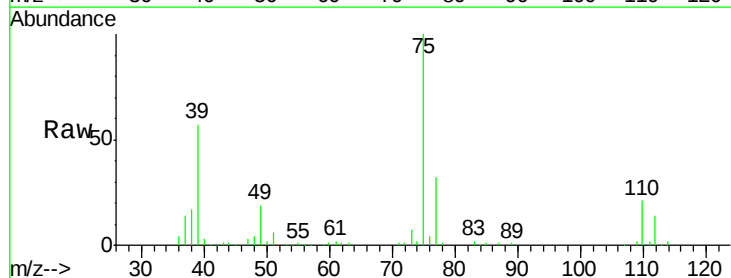
Manual Integrations
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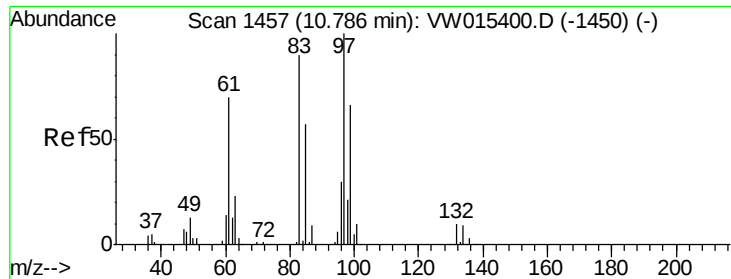
MMDadoda
 5/7/2020 10:34:49 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.575 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	56.9	45.6	68.4





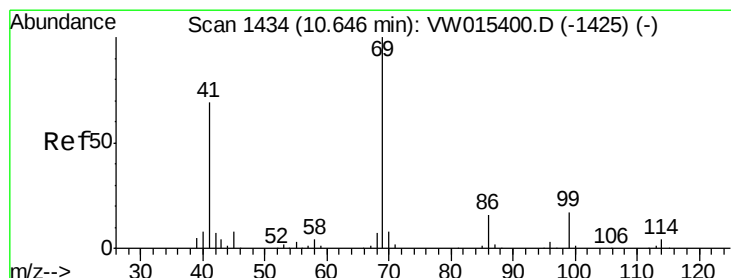
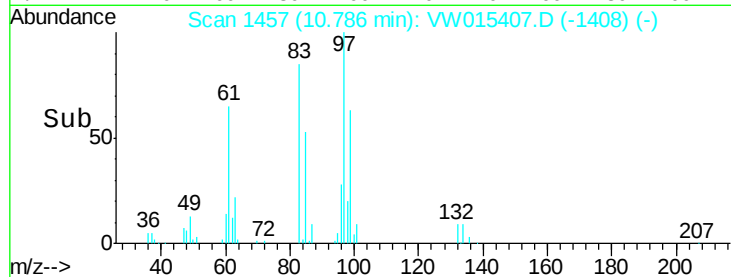
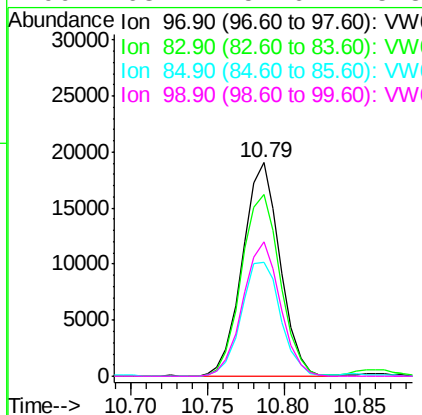
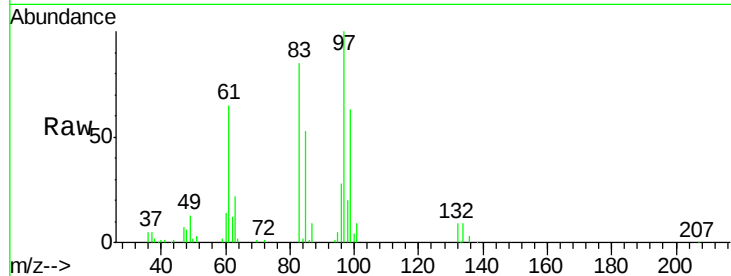
#55
 1,1,2-Trichloroethane
 Concen: 19.916 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Tot Ion:	97	Resp:	32505
Ion	Ratio	Lower	Upper
97	100		
83	85.1	72.2	108.4
85	53.3	45.2	67.8
99	63.1	52.6	78.8

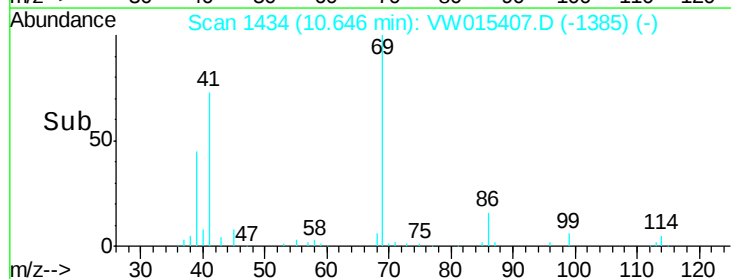
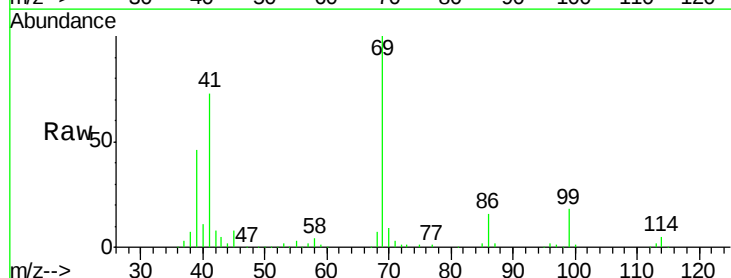
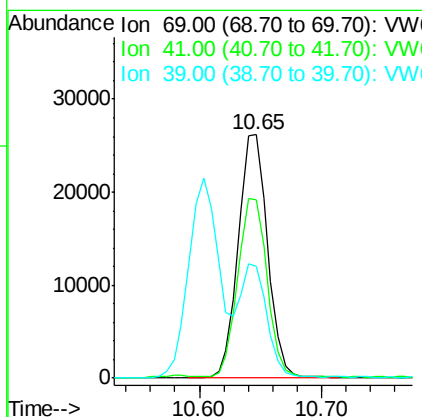
Manual Integrations
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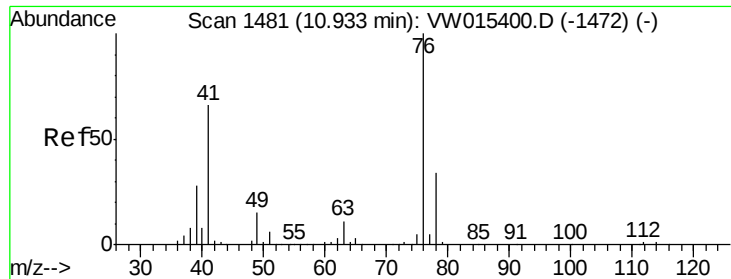
MMDadoda
 5/7/2020 10:34:49 AM



#56
 Ethyl methacrylate
 Concen: 19.465 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion:	69	Resp:	43649
Ion	Ratio	Lower	Upper
69	100		
41	72.8	55.3	82.9
39	41.1	31.9	47.9





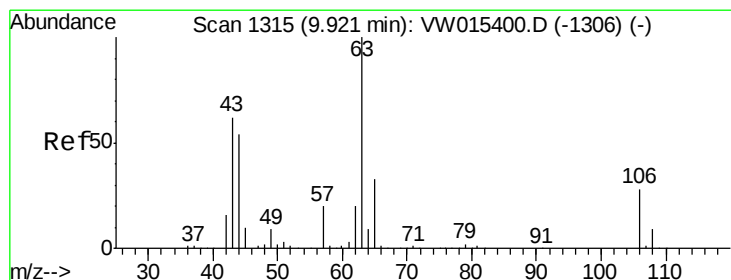
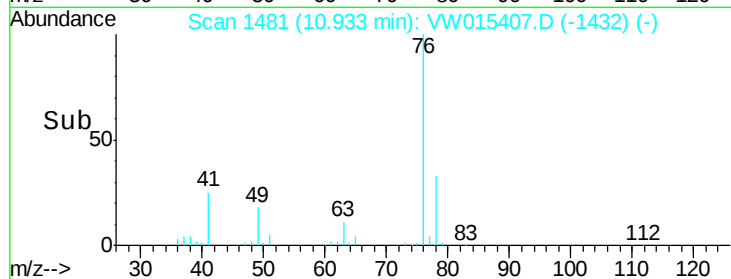
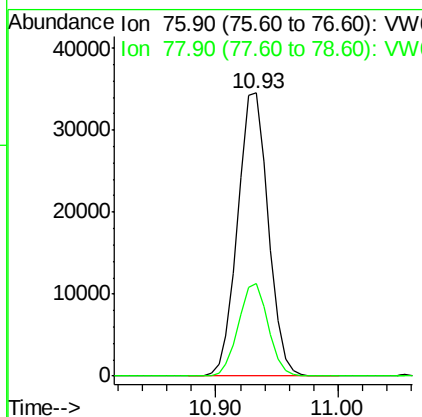
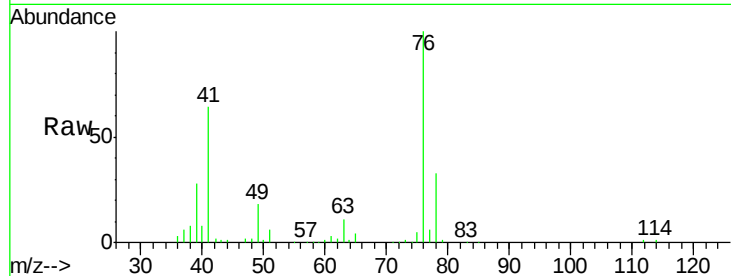
#57
 1,3-Dichloropropane
 Concen: 20.435 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Tot Ion: 76 Resp: 59967
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5

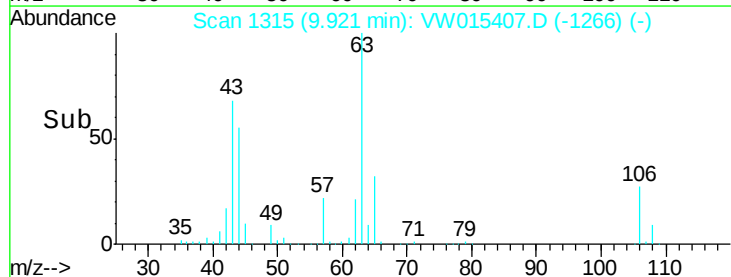
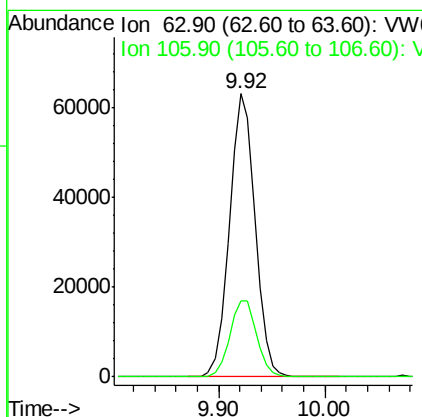
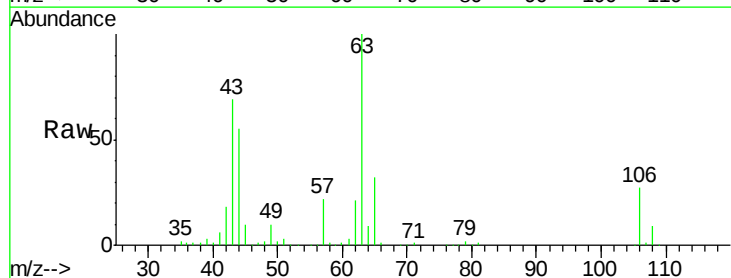
Manual Integrations
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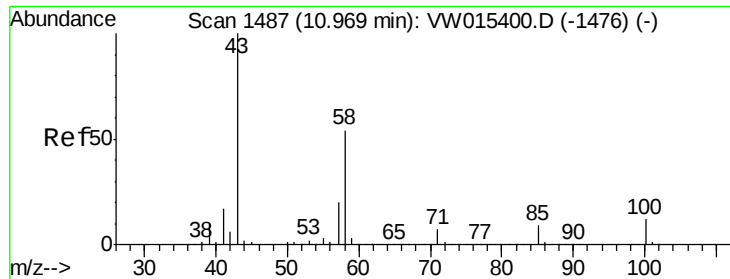
MMDadoda
 5/7/2020 10:34:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.676 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 63 Resp: 106561
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.6 33.8





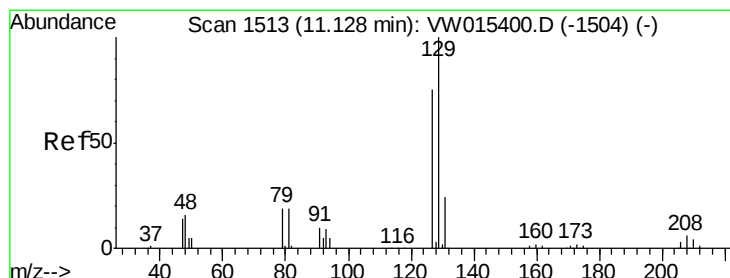
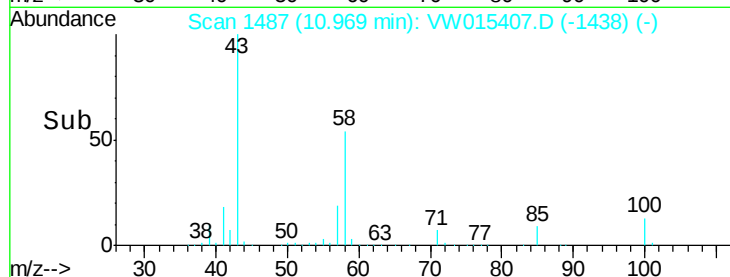
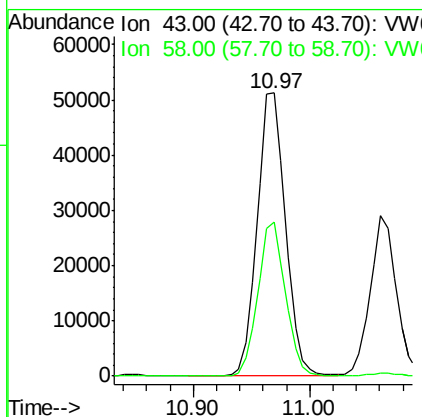
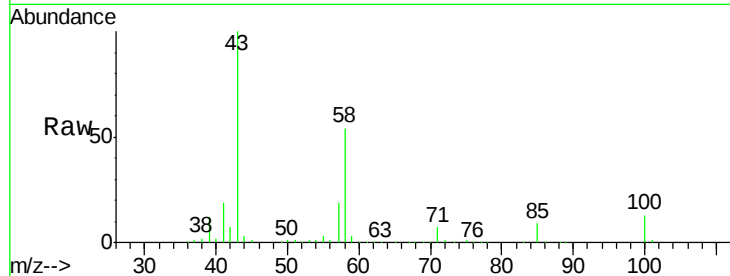
#59
2-Hexanone
Concen: 97.465 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0506SBS01

Tot Ion: 43 Resp: 86867
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.0

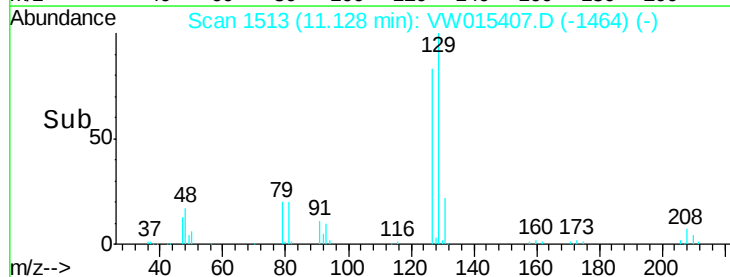
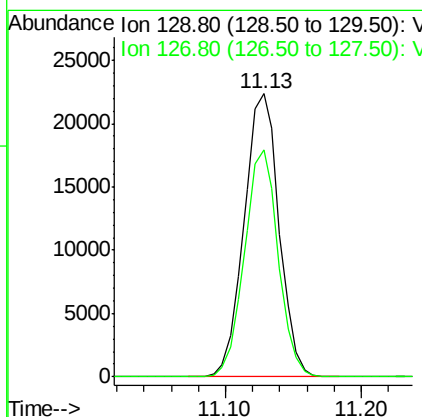
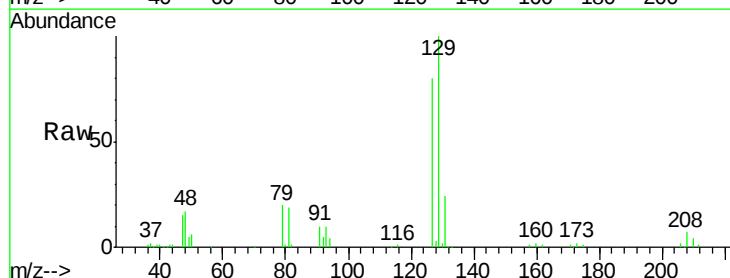
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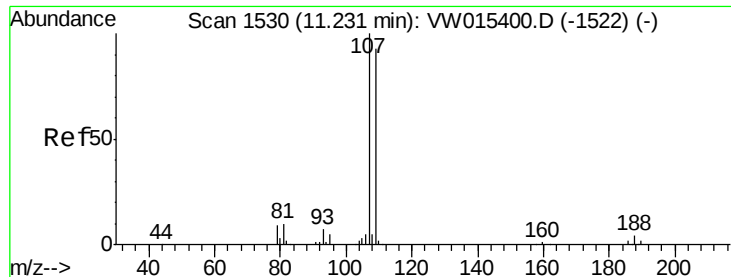
MMDadoda
5/7/2020 10:34:49 AM



#60
Dibromochloromethane
Concen: 20.530 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion: 129 Resp: 40298
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.2





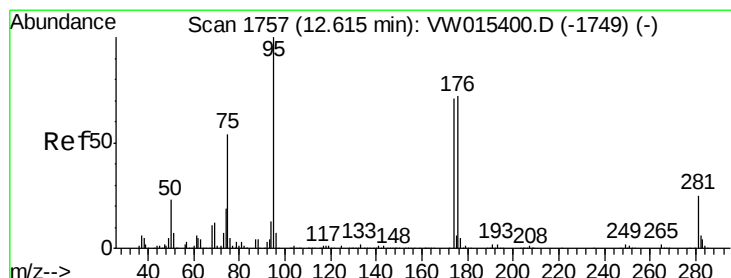
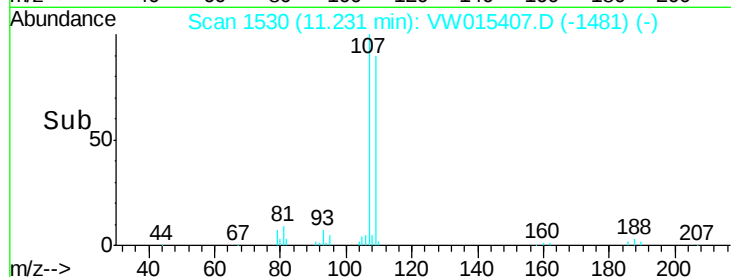
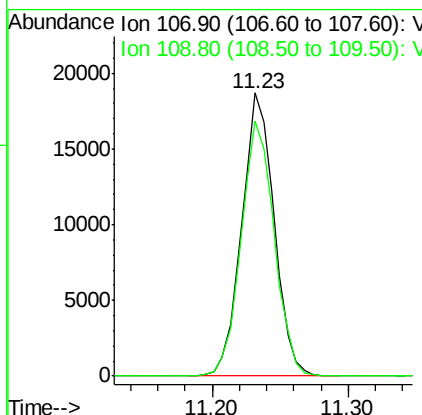
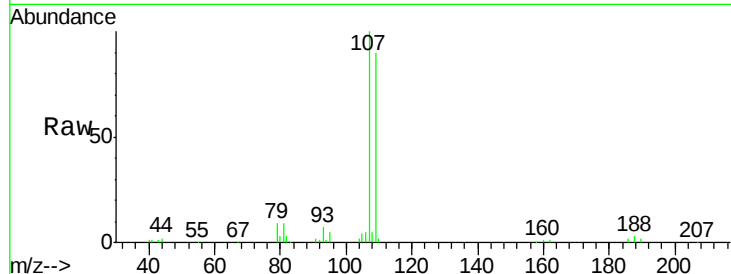
#61
 1,2-Dibromoethane
 Concen: 20.120 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.0	112.4

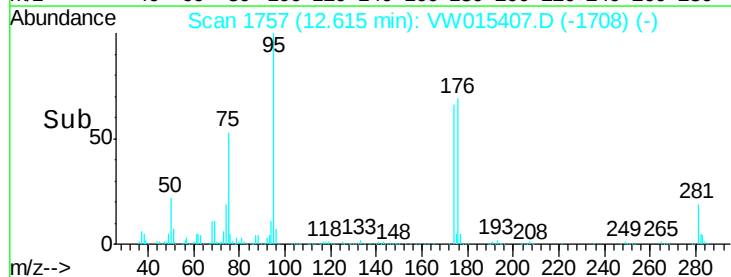
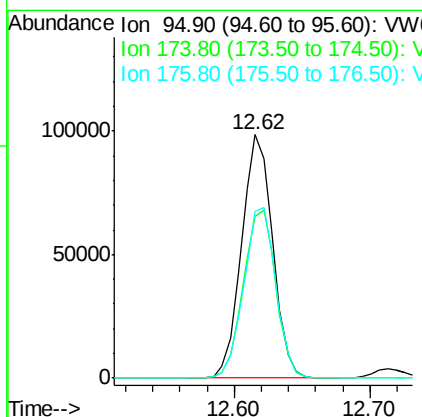
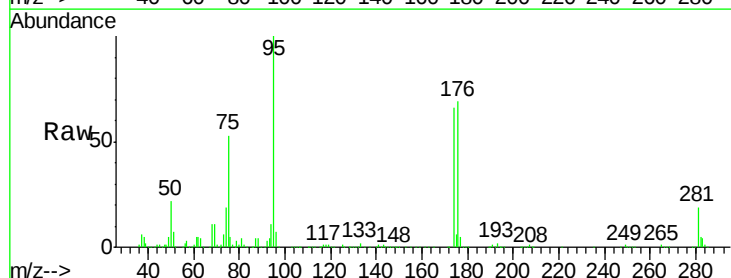
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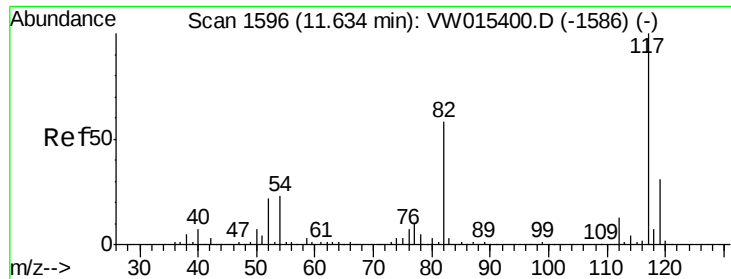
MMDadoda
 5/7/2020 10:34:49 AM



#62
 4-Bromofluorobenzene
 Concen: 51.081 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	147.6
176	72.5	0.0	144.4





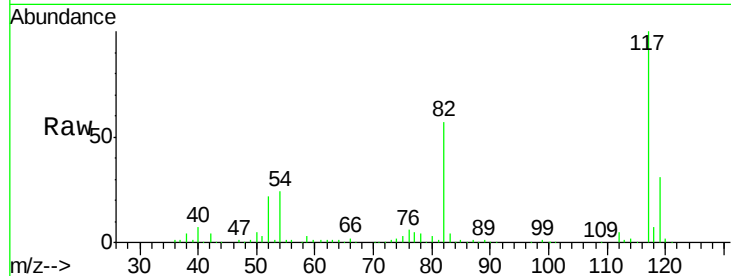
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0506SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	315638		
82	57.0	46.4	69.6	
119	31.3	24.6	37.0	

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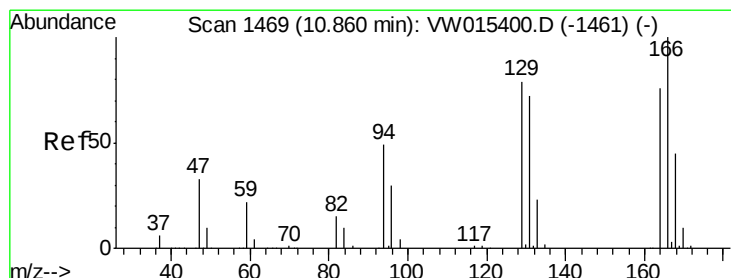
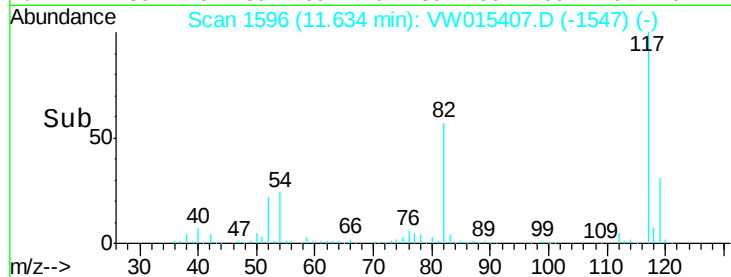
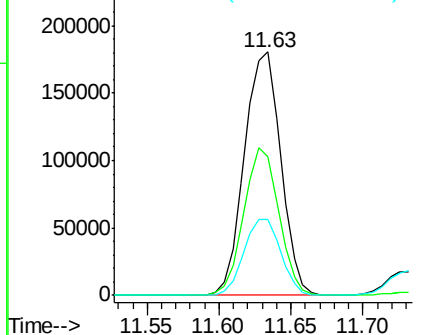


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.800 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42059		
166	114.5	104.9	157.3	
129	93.3	82.7	124.1	
131	87.6	75.5	113.3	

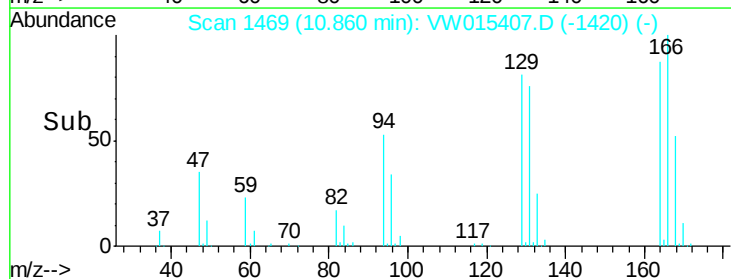
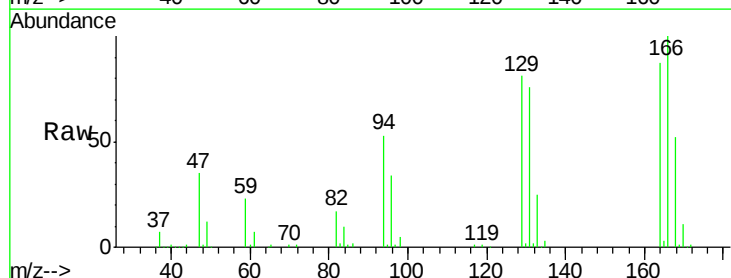
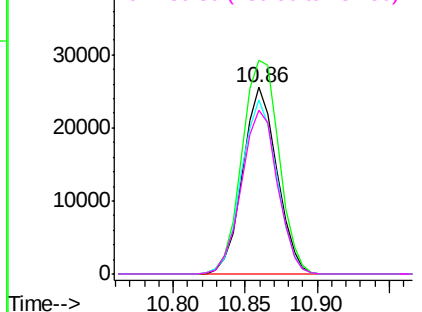
Abundance

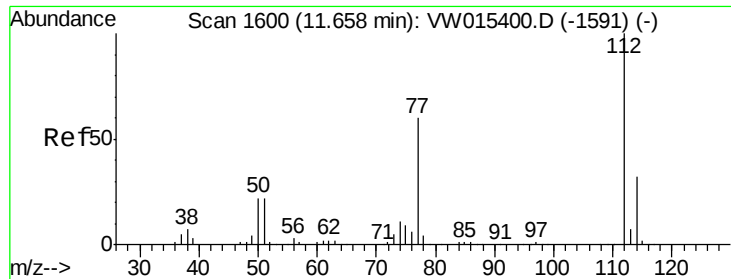
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.685 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0506SBS01

Tot Ion:112 Resp: 128732

Ion Ratio Lower Upper

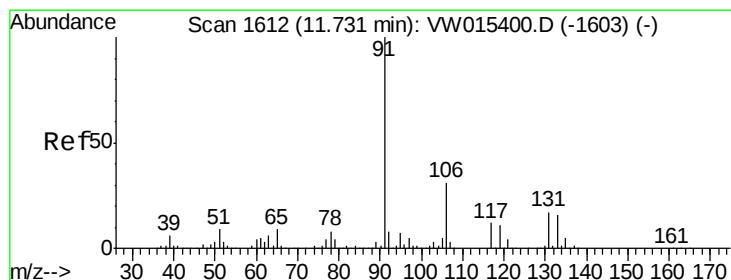
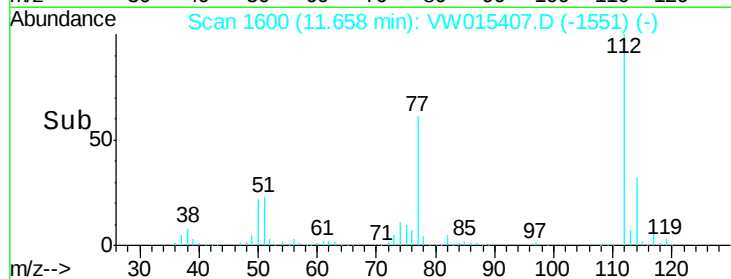
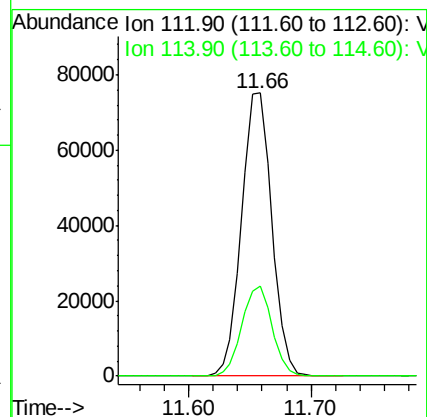
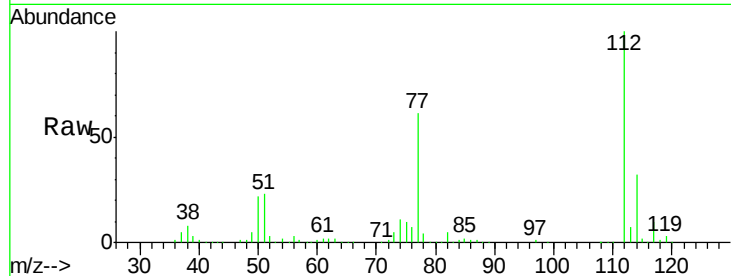
112 100

114 31.9 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.617 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

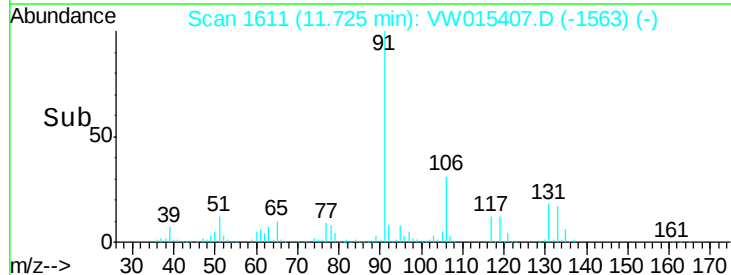
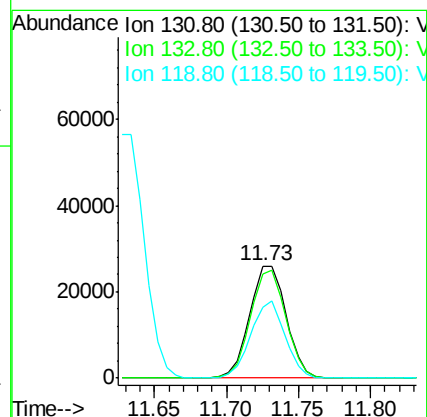
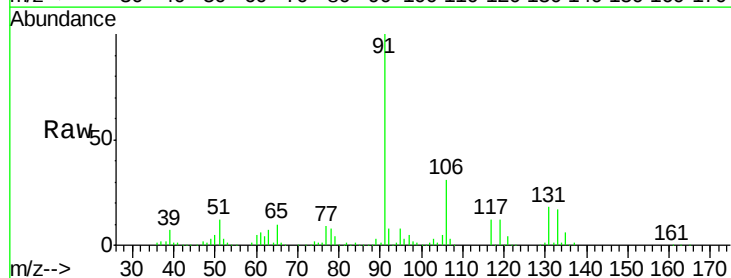
Tgt Ion:131 Resp: 45491

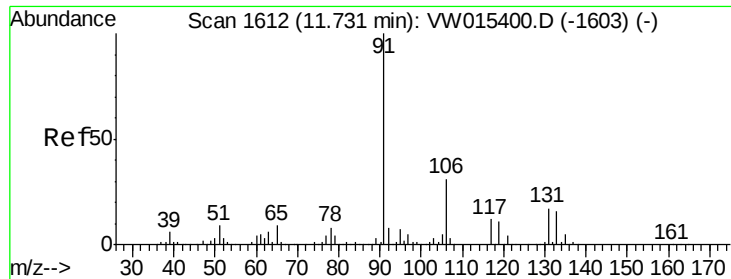
Ion Ratio Lower Upper

131 100

133 93.5 47.9 143.8

119 64.6 33.0 99.0





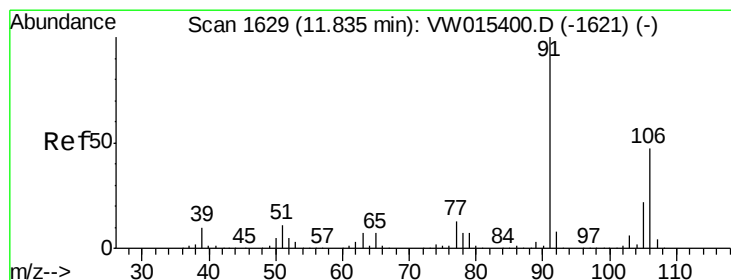
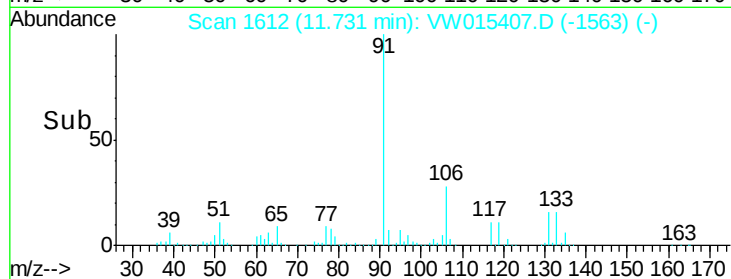
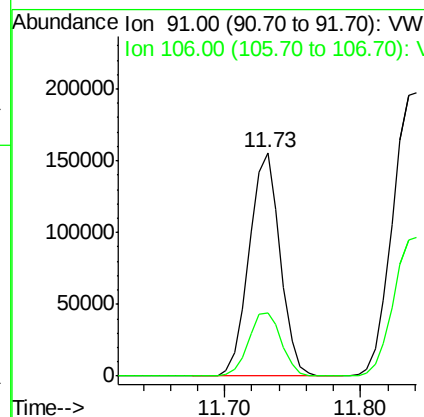
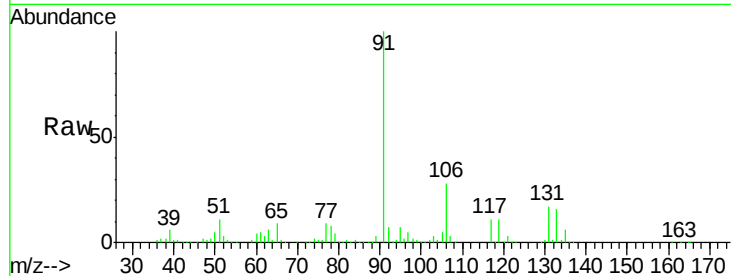
#67
Ethyl Benzene
Concen: 20.810 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0506SBS01

Tot Ion: 91 Resp: 247880
Ion Ratio Lower Upper
91 100
106 28.3 25.2 37.8

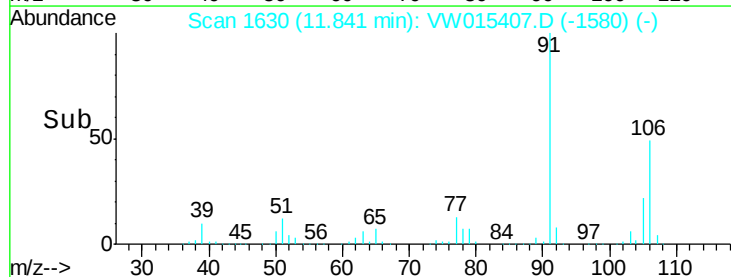
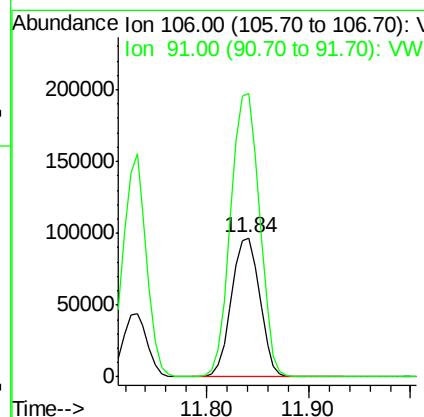
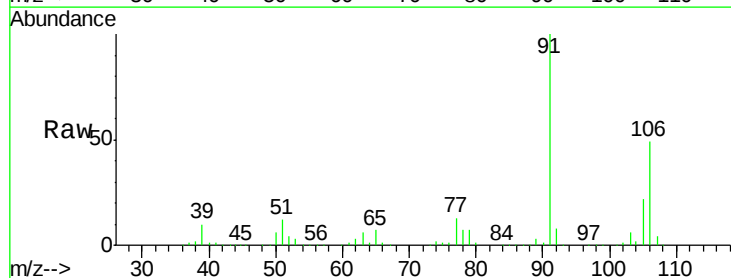
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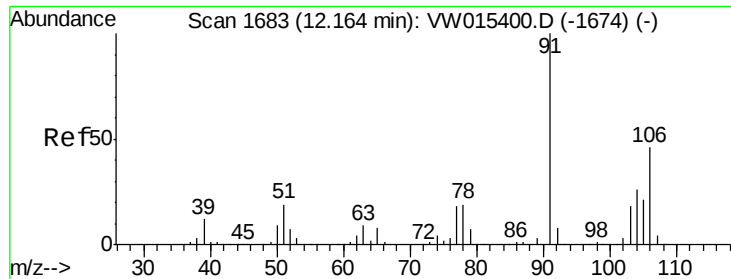
MMDadoda
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#68
m/p-Xylenes
Concen: 42.040 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion: 106 Resp: 186184
Ion Ratio Lower Upper
106 100
91 207.6 165.7 248.5





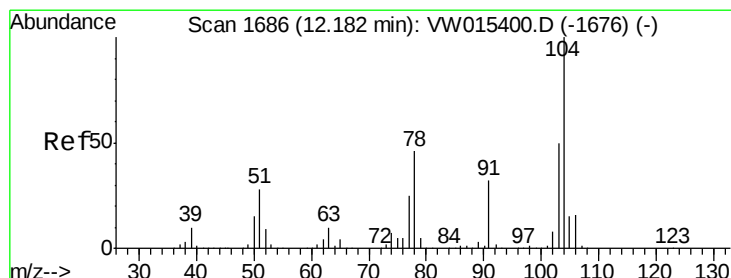
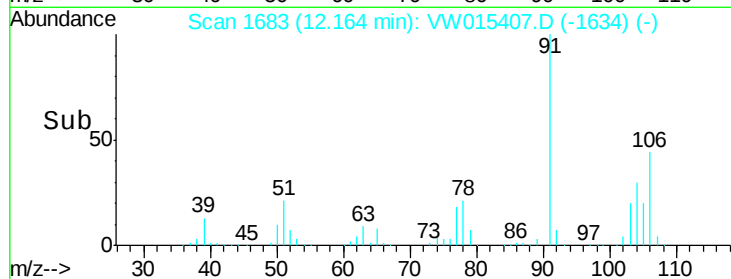
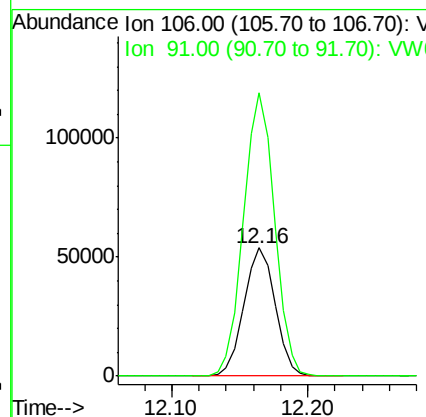
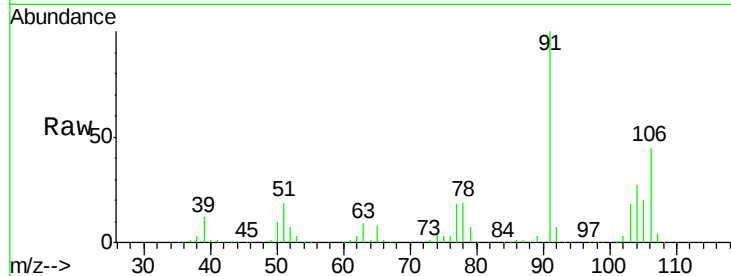
#69
o-Xylene
Concen: 20.898 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0506SBS01

Tot Ion:106 Resp: 86972
Ion Ratio Lower Upper
106 100
91 219.1 109.0 327.0

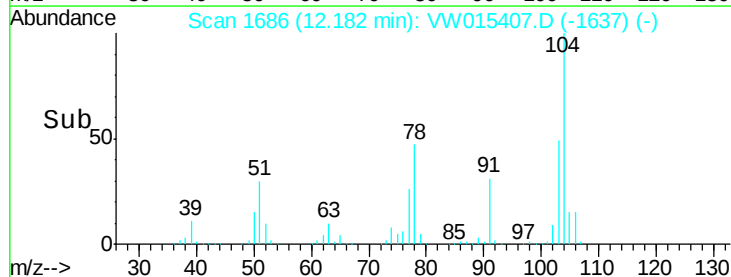
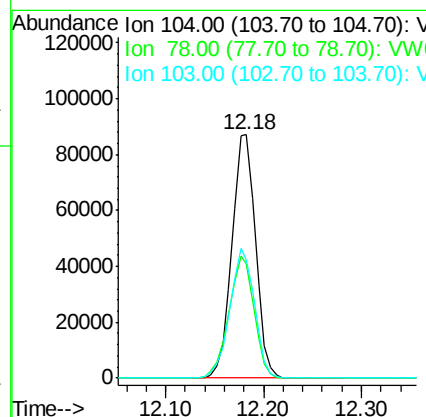
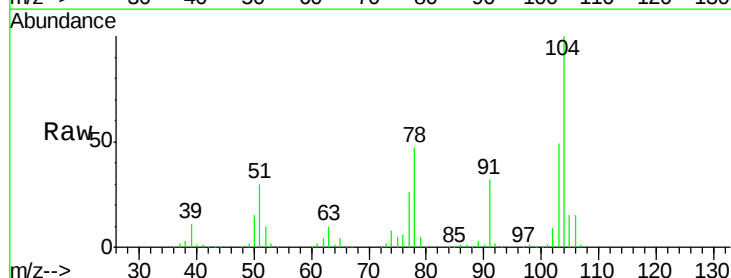
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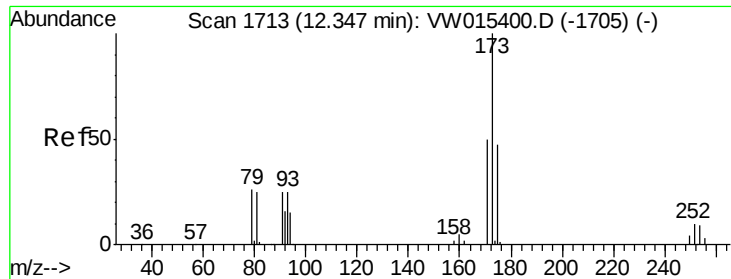
MMDadoda
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#70
Styrene
Concen: 20.387 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion:104 Resp: 146123
Ion Ratio Lower Upper
104 100
78 53.2 41.8 62.8
103 55.3 43.6 65.4





#71

Bromoform

Concen: 19.644 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0506SBS01

Tot Ion:173 Resp: 21138

Ion Ratio Lower Upper

173 100

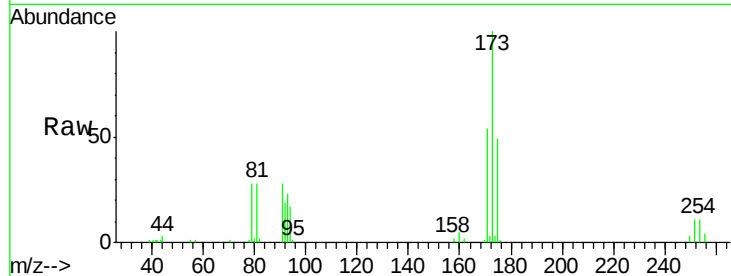
175 51.8 23.8 71.4

254 0.0 0.0 0.0

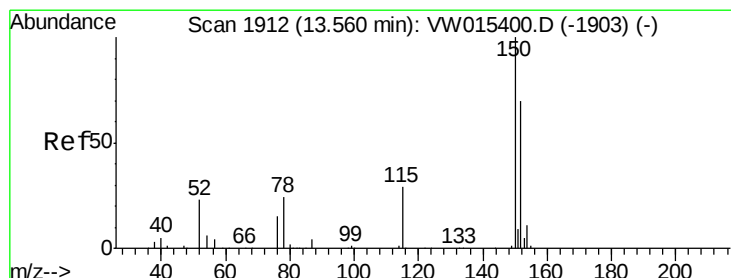
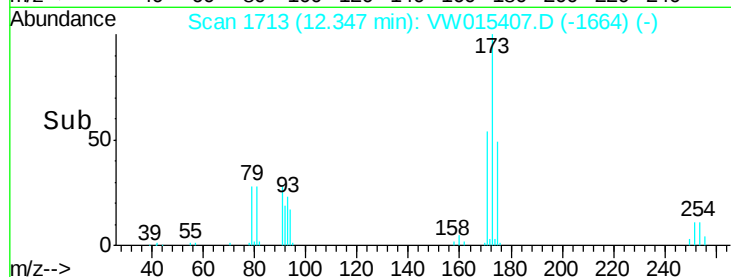
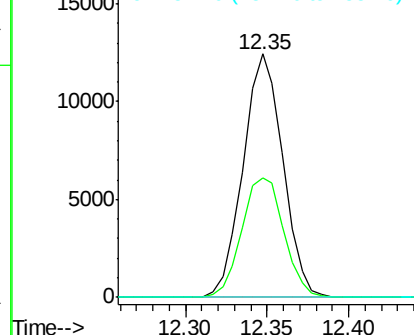
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

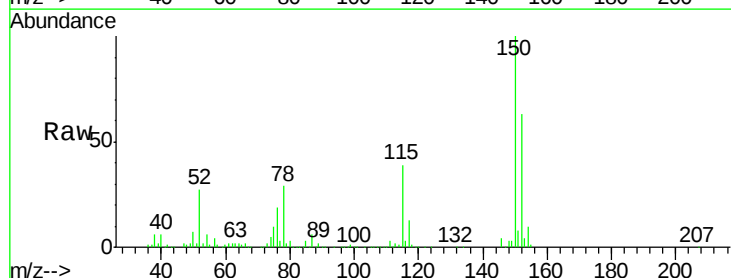
Tgt Ion:152 Resp: 152979

Ion Ratio Lower Upper

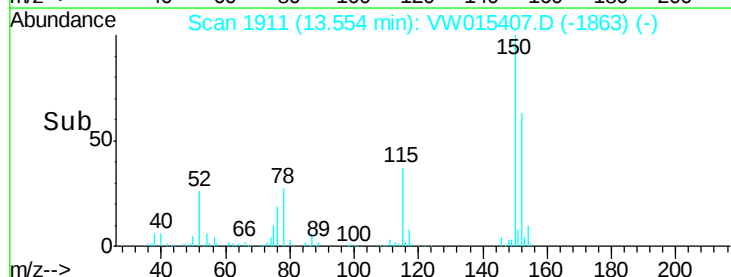
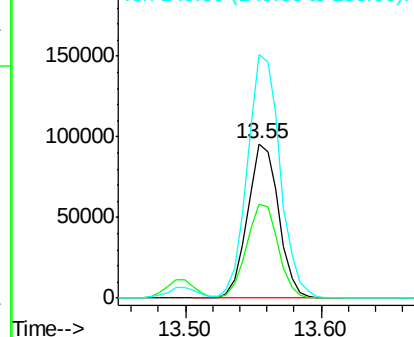
152 100

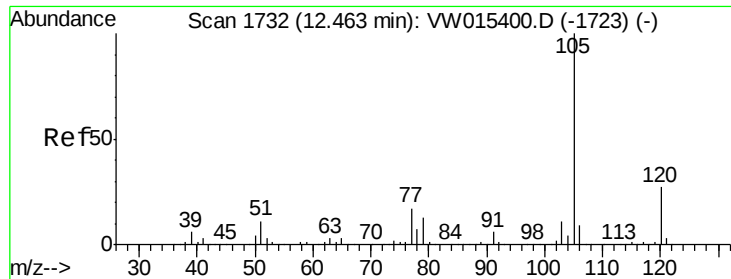
115 61.8 30.3 90.8

150 166.2 0.0 344.4



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





#73

Isopropylbenzene

Concen: 21.454 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0506SBS01

Tot Ion: 105 Resp: 245021

Ion Ratio Lower Upper

105 100

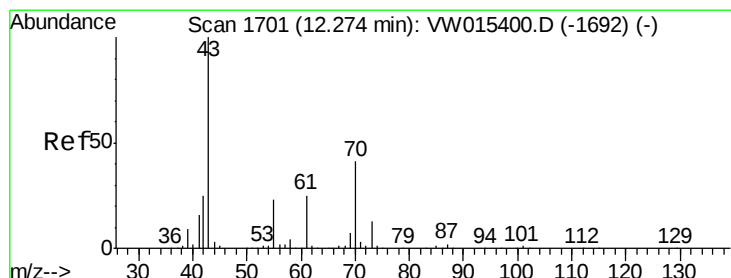
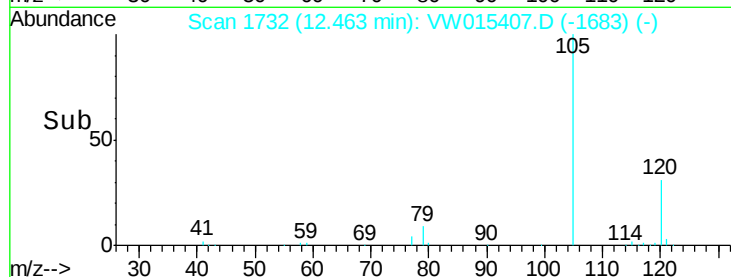
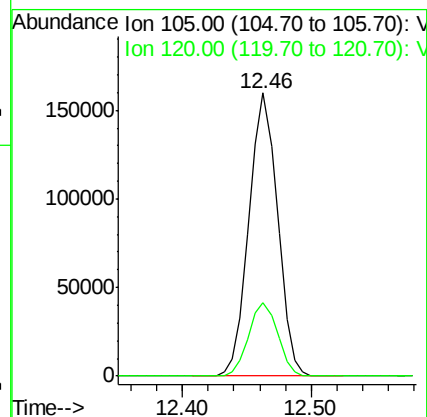
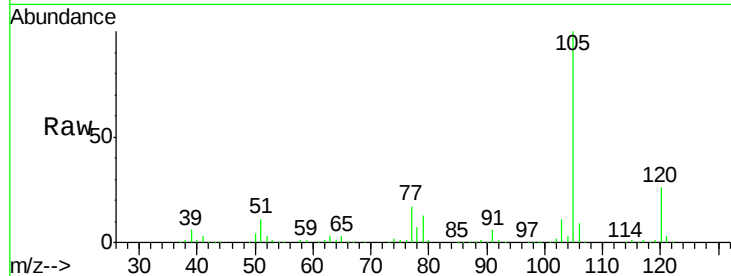
120 26.3 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.814 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion: 43 Resp: 53492

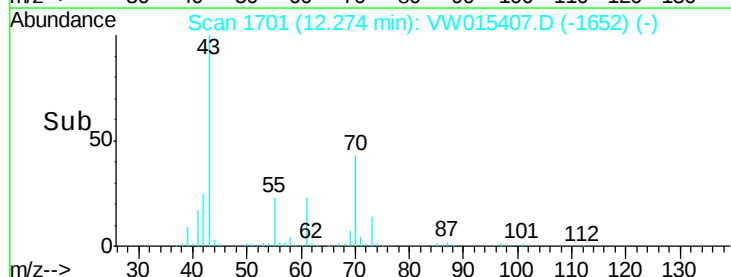
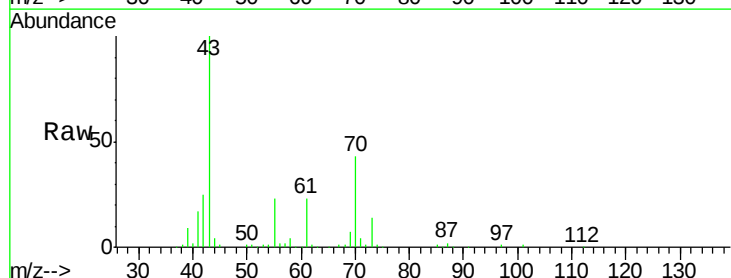
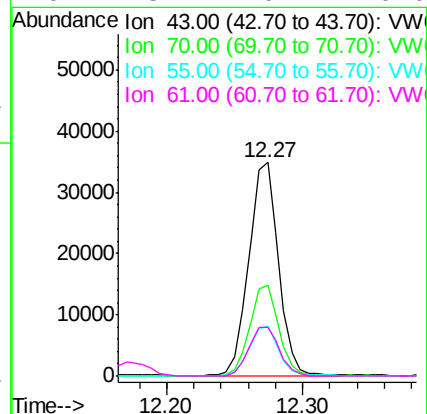
Ion Ratio Lower Upper

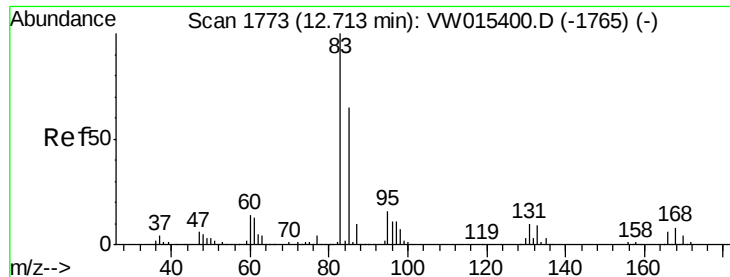
43 100

70 41.7 33.4 50.0

55 23.7 18.9 28.3

61 23.7 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.147 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

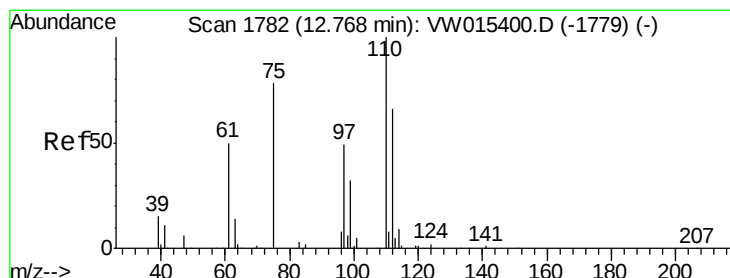
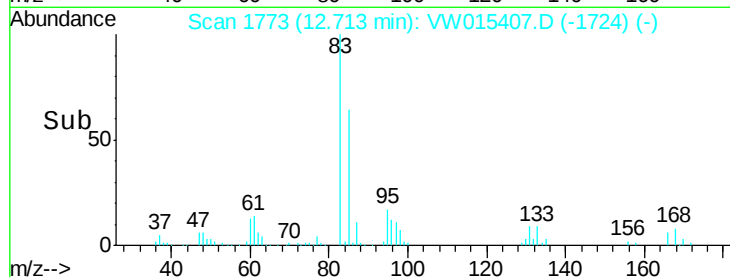
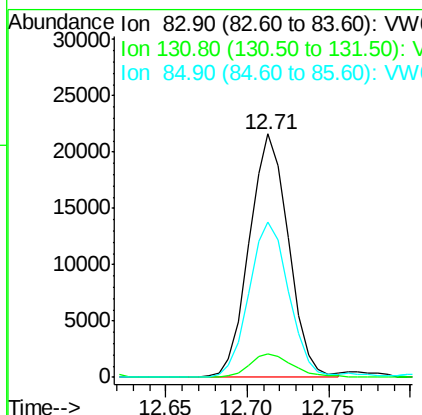
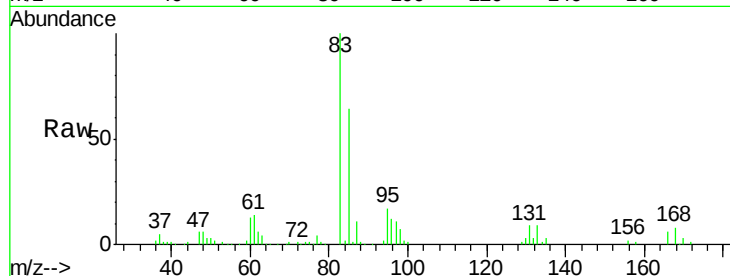
ClientSampleId :

VW0506SBS01

Tot Ion:	83	Resp:	35995
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.2
85	65.1	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.007 ug/l m

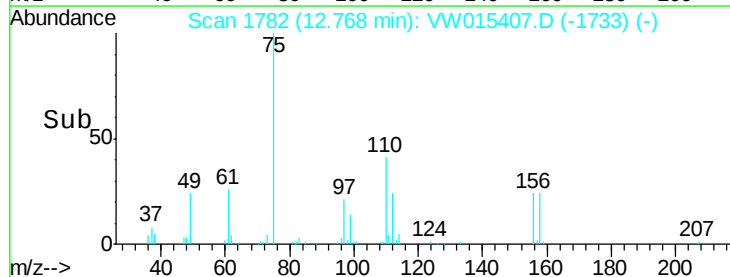
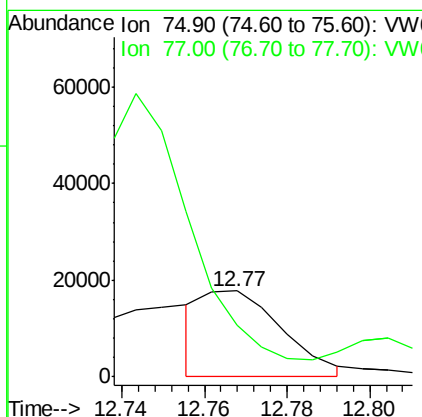
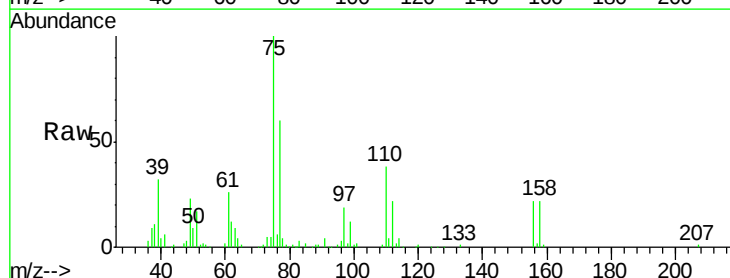
RT: 12.77 min Scan# 1782

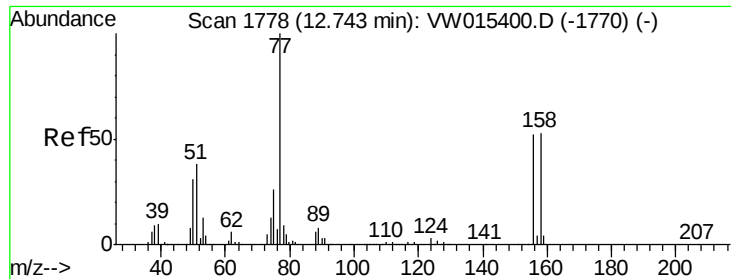
Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion:	75	Resp:	23920
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.075 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

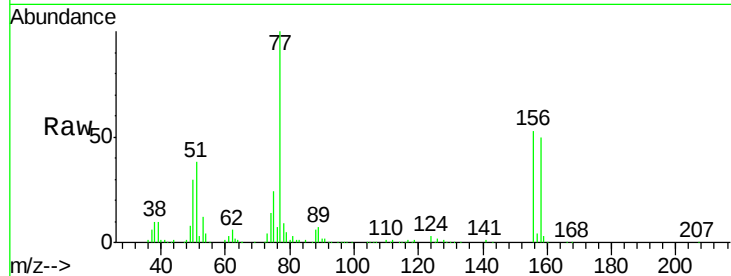
ClientSampleId :

VW0506SBS01

Tot Ion:	156	Resp:	51009
Ion	Ratio	Lower	Upper
156	100		
77	200.9	101.8	305.6
158	96.3	48.3	144.8

Manual Integrations
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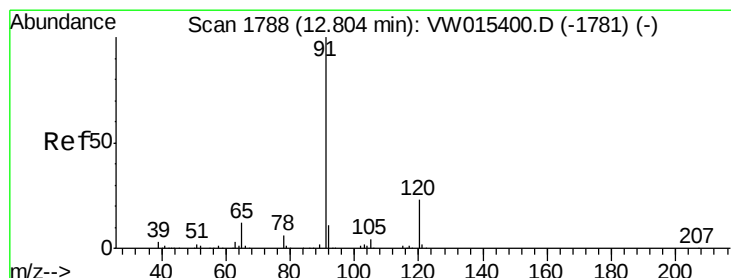
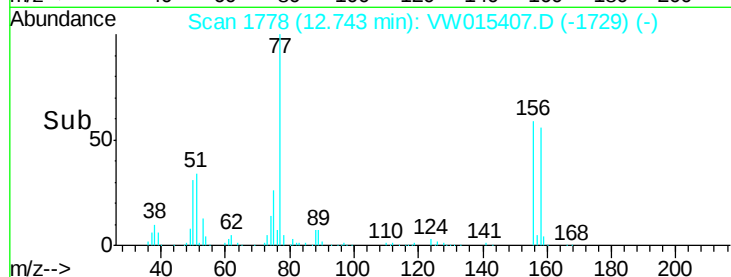
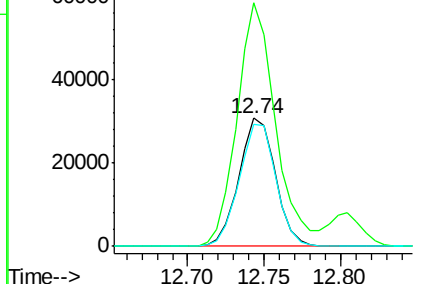
MMDadoda
5/7/2020 10:34:49 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.562 ug/l

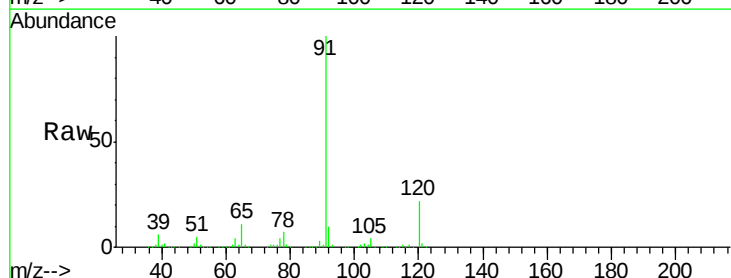
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015407.D

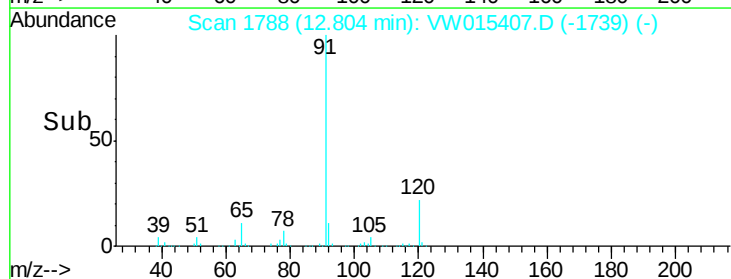
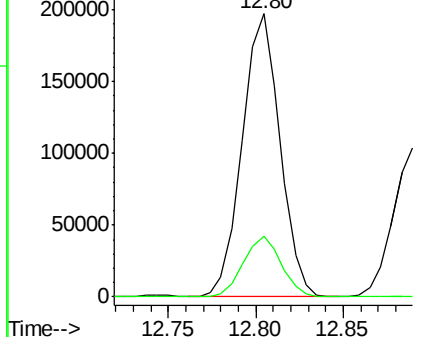
Acq: 06 May 2020 11:36

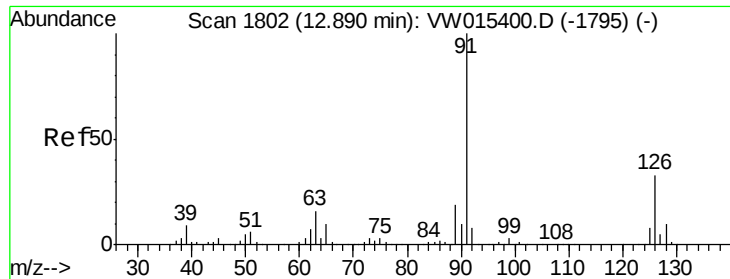
Tgt Ion:	91	Resp:	295454
Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





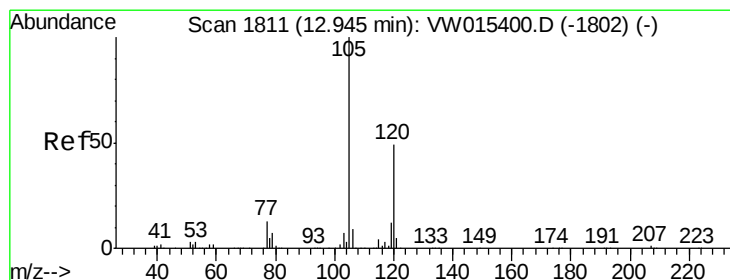
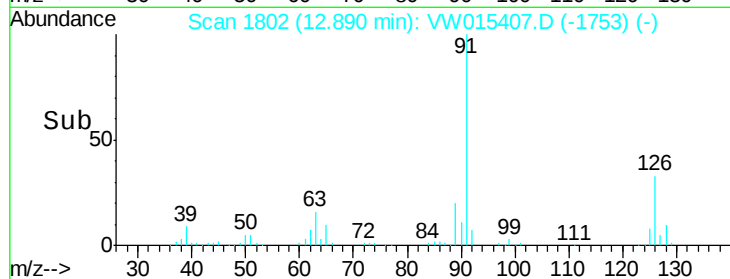
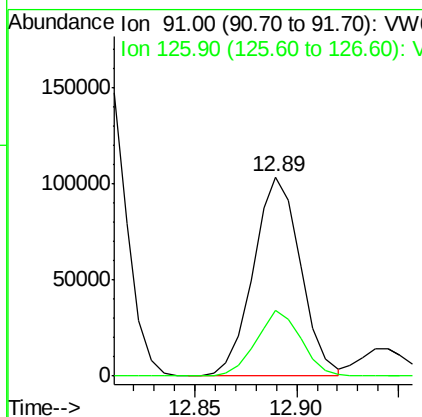
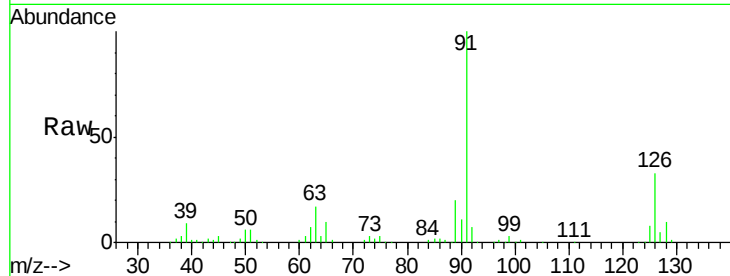
#79
 2-Chlorotoluene
 Concen: 21.501 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Tot Ion: 91 Resp: 166076
 Ion Ratio Lower Upper
 91 100
 126 31.8 16.1 48.2

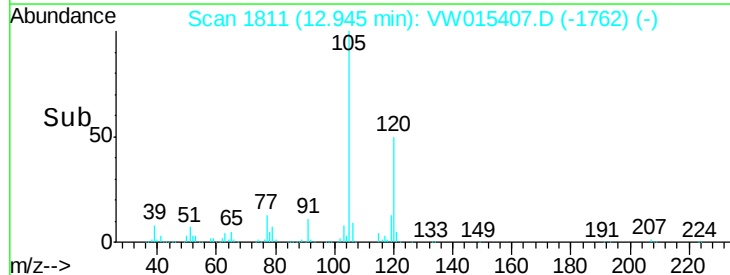
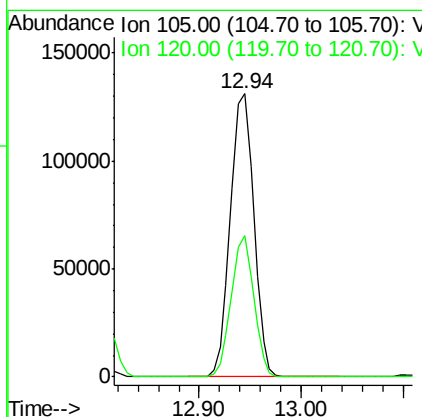
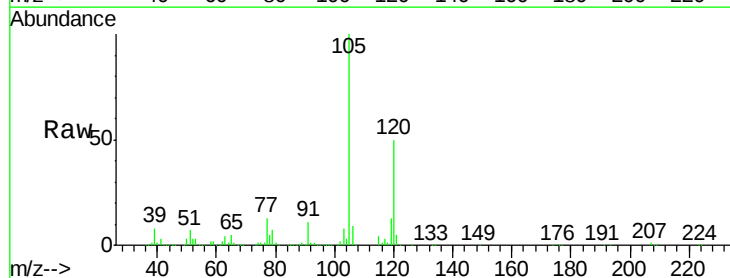
Manual Integrations
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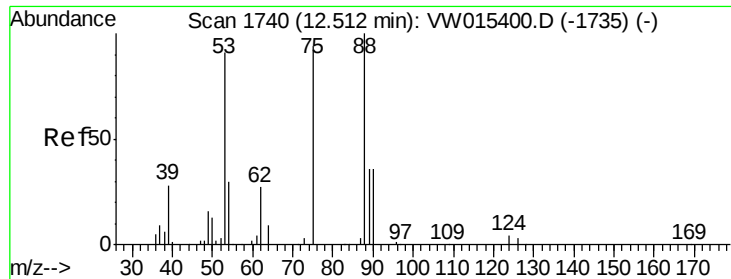
MMDadoda
 5/7/2020 10:34:49 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.670 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion: 105 Resp: 208468
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.2 72.6





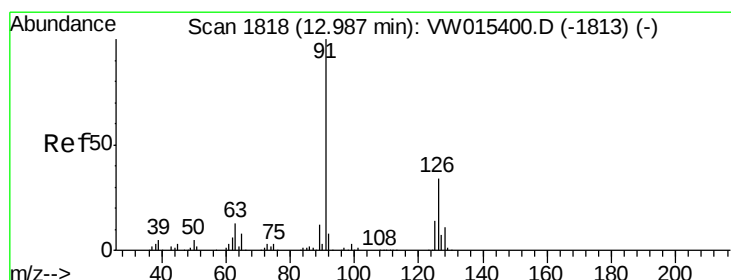
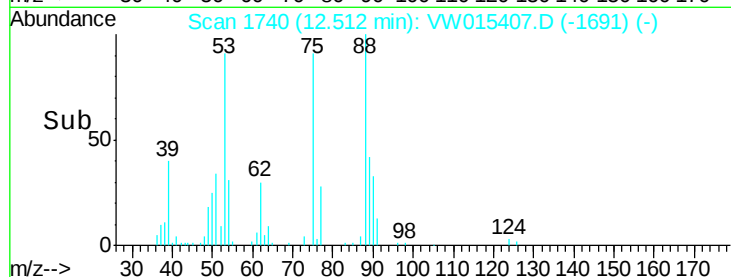
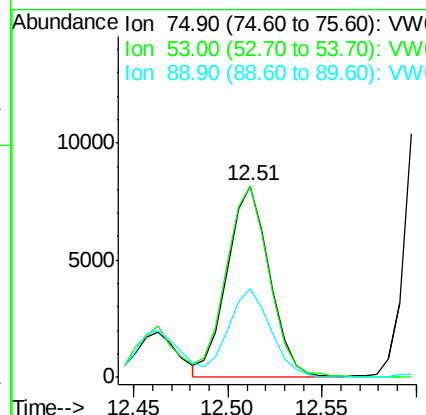
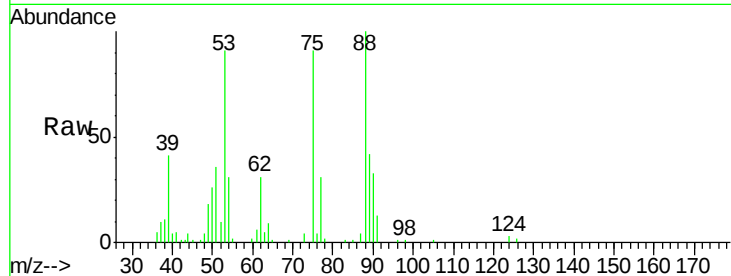
#81
trans-1,4-Dichloro-2-butene
Concen: 20.041 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0506SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.6	82.5	123.7
89	45.8	35.8	53.8

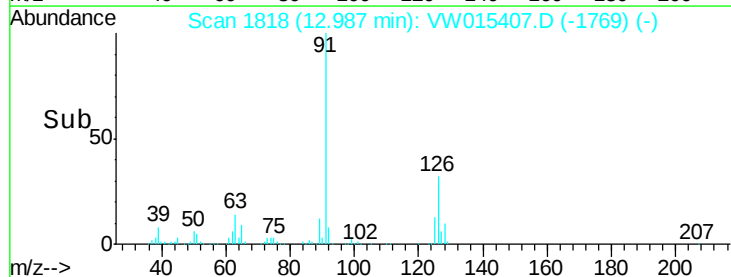
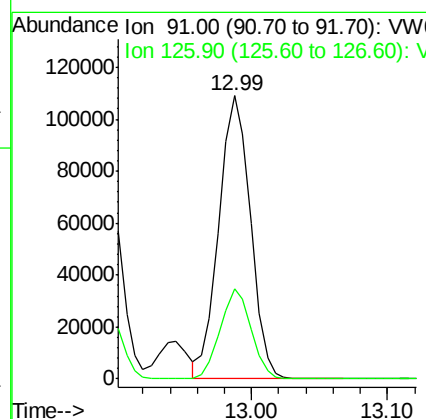
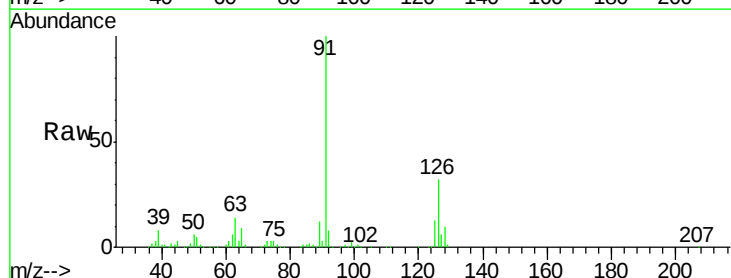
Manual Integrations
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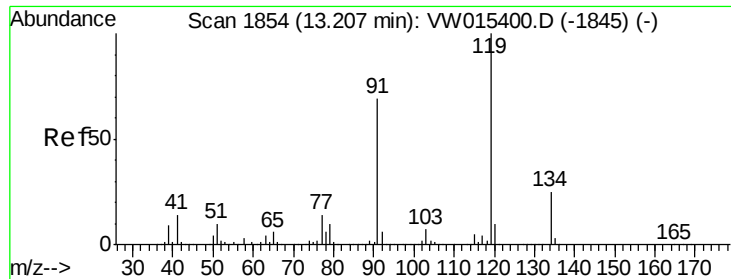
MMDadoda
5/7/2020 10:34:49 AM



#82
4-Chlorotoluene
Concen: 21.439 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.0	47.9





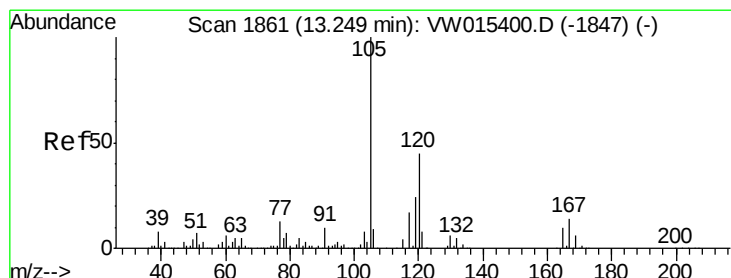
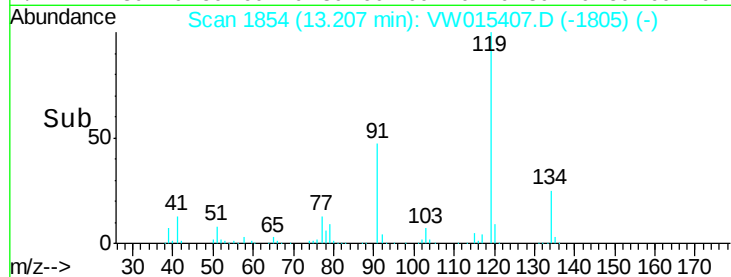
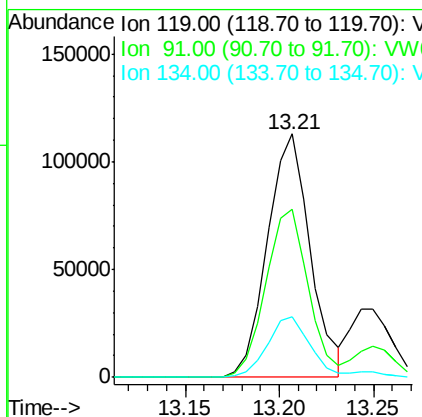
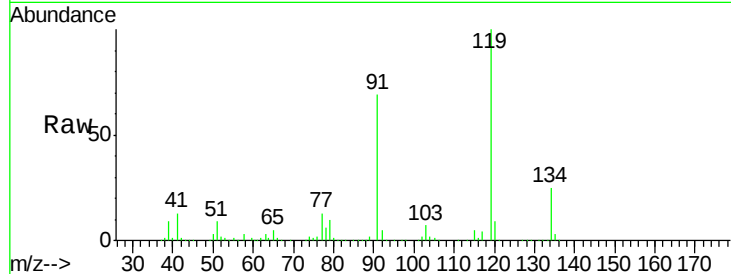
#83
tert-Butylbenzene
Concen: 21.696 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0506SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	178097		
91	68.6	33.8	101.4	
134	25.0	12.3	36.9	

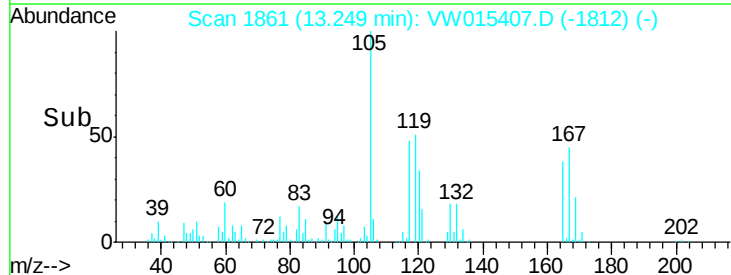
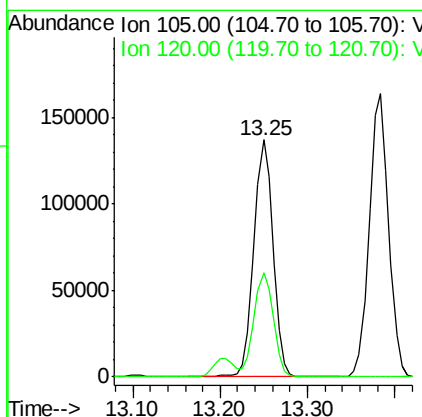
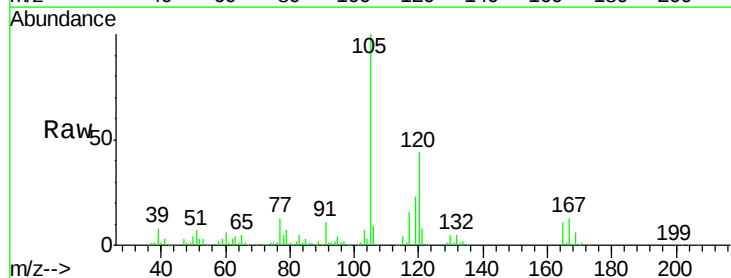
Manual Integrations
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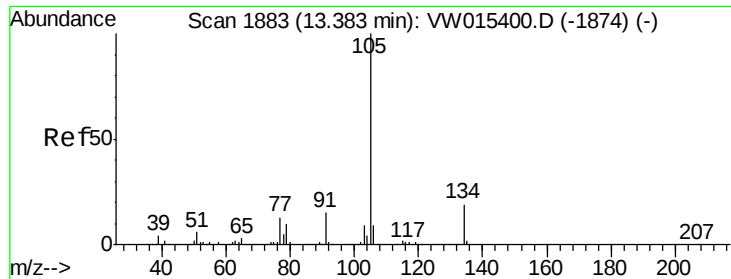
MMDadoda
5/7/2020 10:34:49 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.678 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	208624		
120	43.8	22.0	66.0	





#85

sec-Butylbenzene

Concen: 21.804 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0506SBS01

Tot Ion:105 Resp: 252174

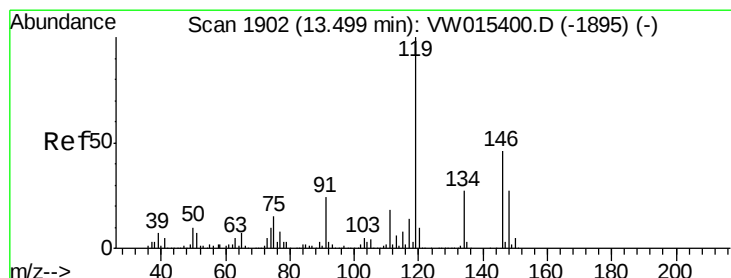
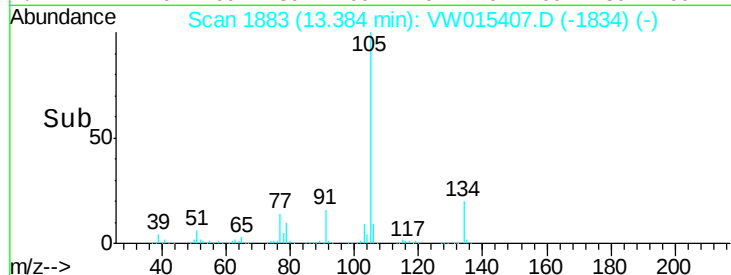
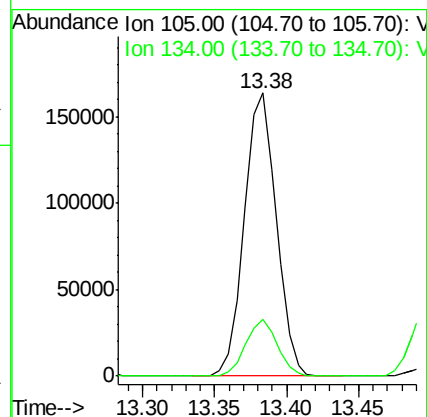
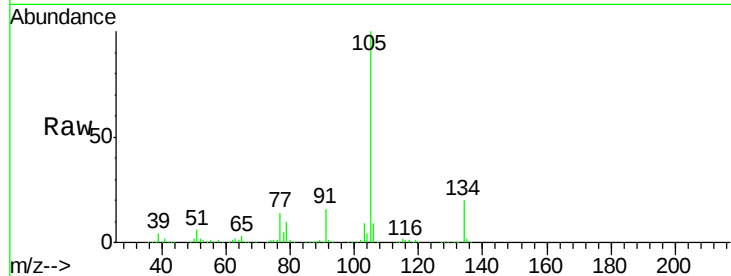
Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.5

Manual Integrations
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5/7/2020 10:34:49 AM



#86

p-Isopropyltoluene

Concen: 22.066 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

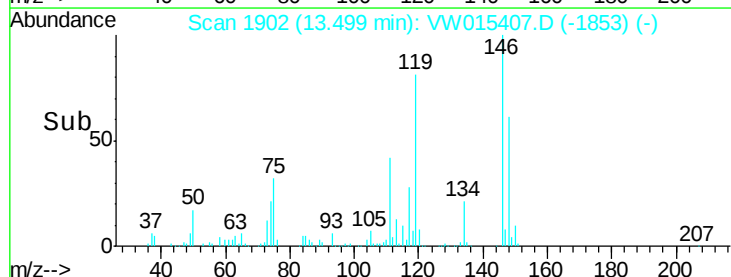
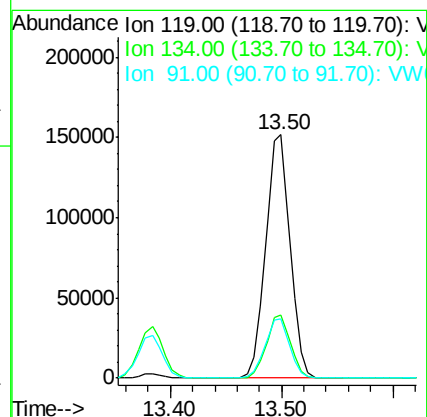
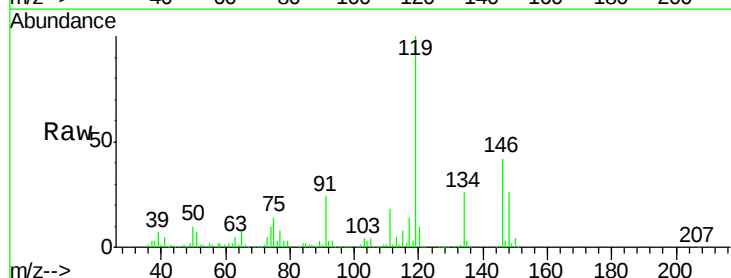
Tgt Ion:119 Resp: 232766

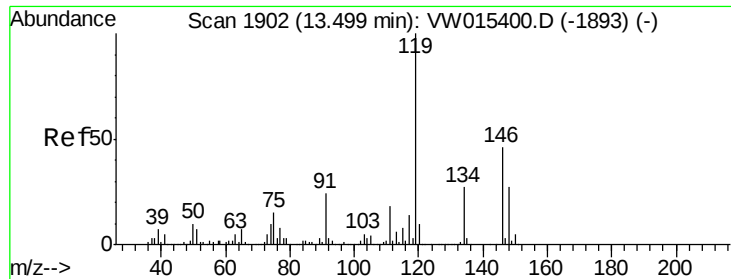
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.112 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

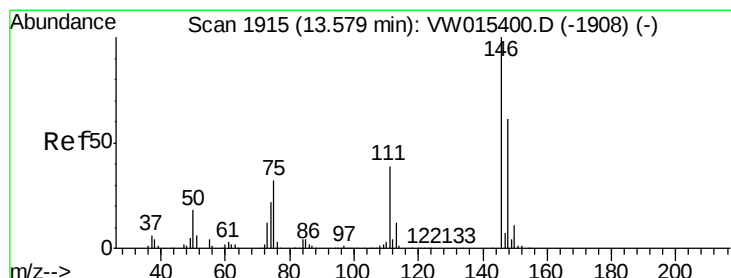
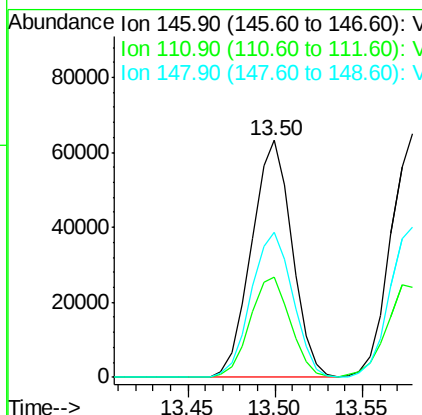
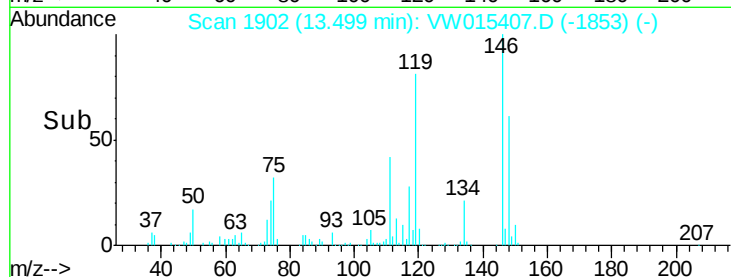
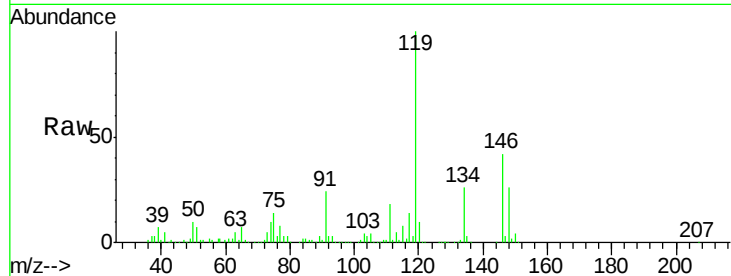
Instrument :
MSVOA_W

ClientSampled :
VW0506SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101783		
111	42.3	20.5	61.5	
148	63.0	31.4	94.0	

Manual Integrations
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5/7/2020 10:34:49 AM



#88

1,4-Dichlorobenzene

Concen: 21.327 ug/l

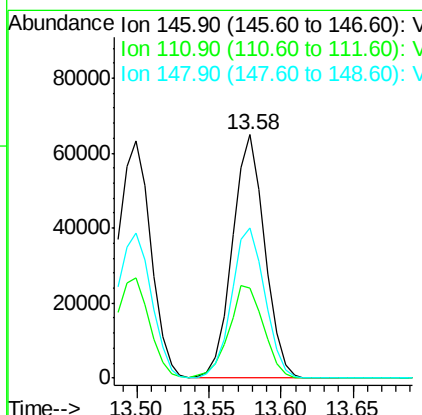
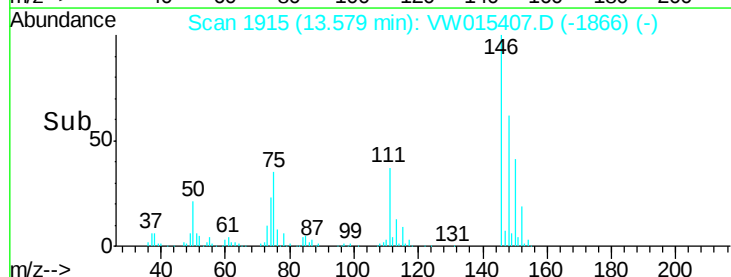
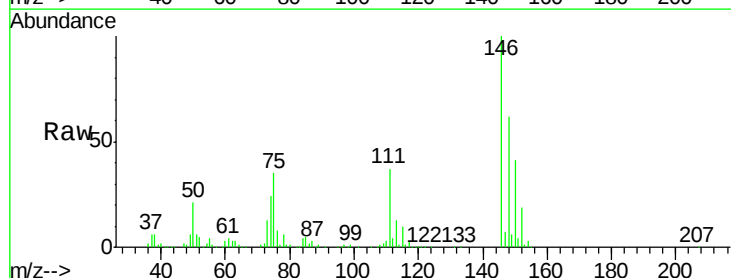
RT: 13.58 min Scan# 1915

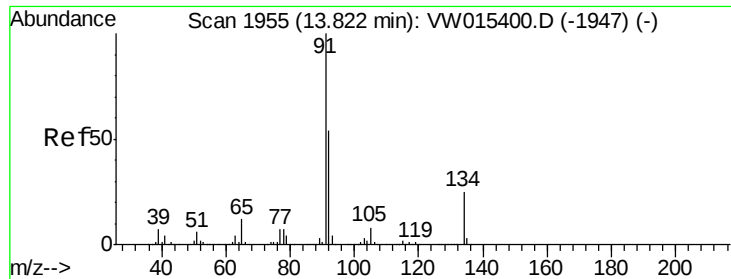
Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	101830		
111	40.8	20.0	60.0	
148	63.6	31.4	94.3	





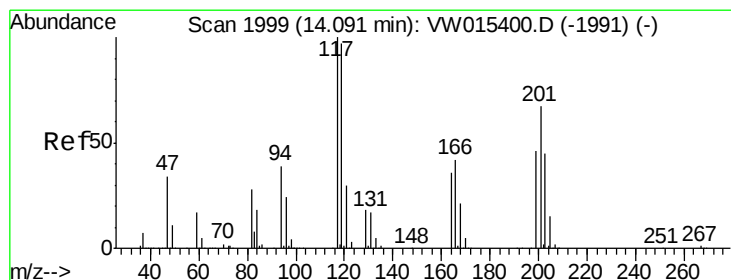
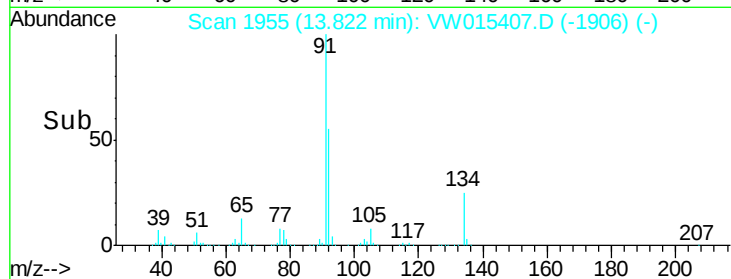
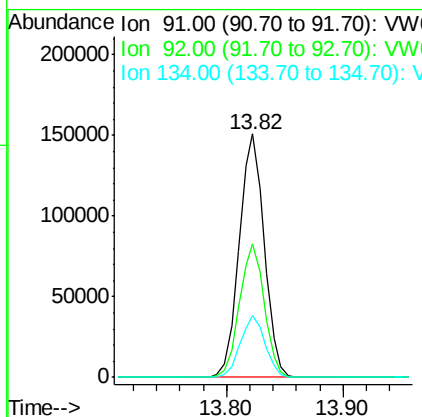
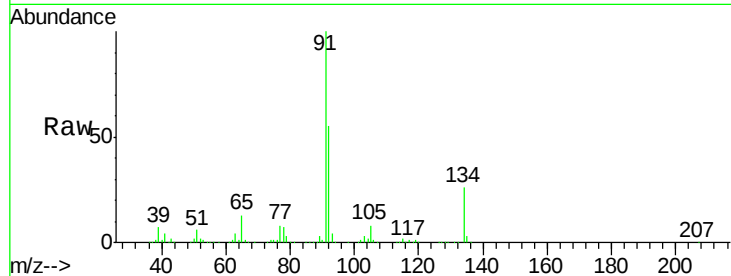
#89
n-Butylbenzene
Concen: 21.878 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0506SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.3	27.2	81.6	
134	25.1	12.6	37.6	

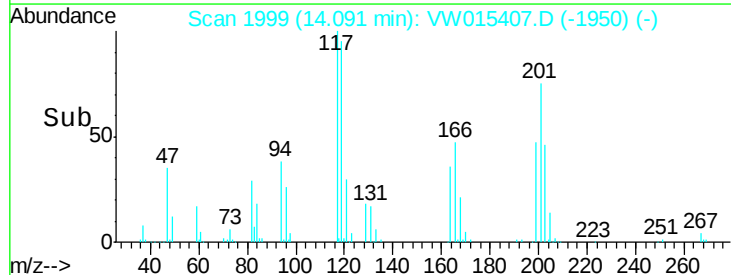
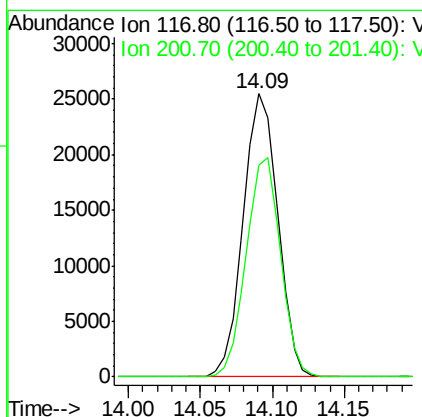
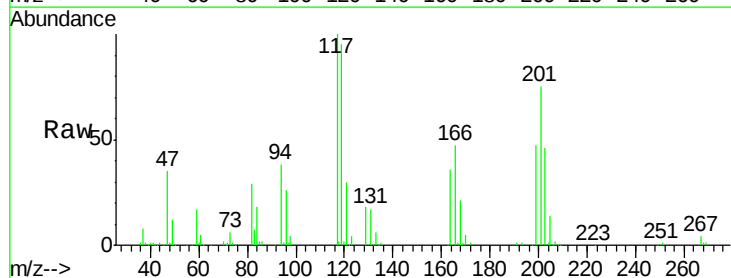
Manual Integrations
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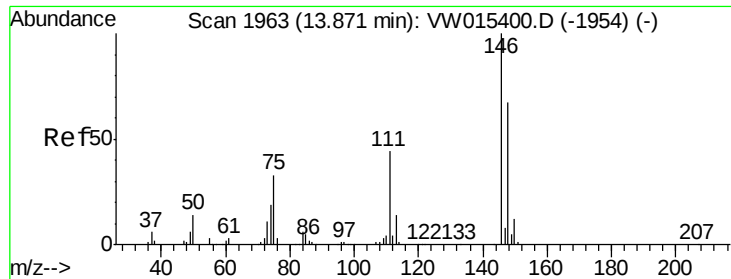
MMDadoda
5/7/2020 10:34:49 AM



#90
Hexachloroethane
Concen: 21.834 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.6	35.9	107.8	





#91

1,2-Dichlorobenzene

Concen: 21.606 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Instrument :

MSVOA_W

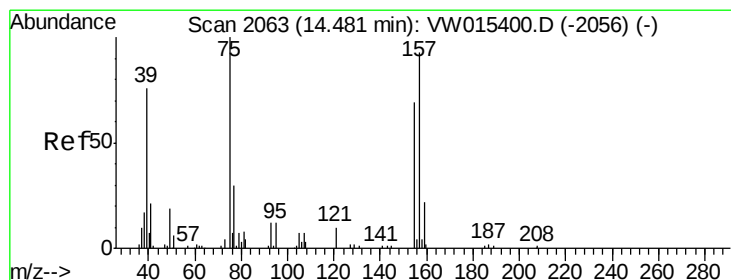
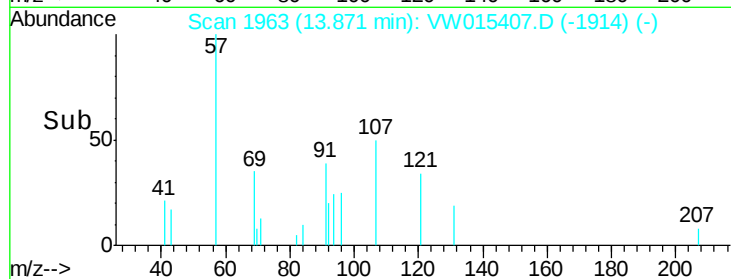
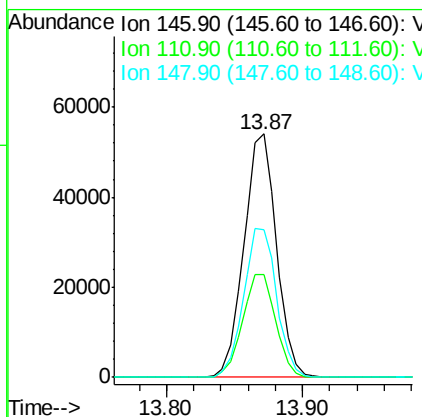
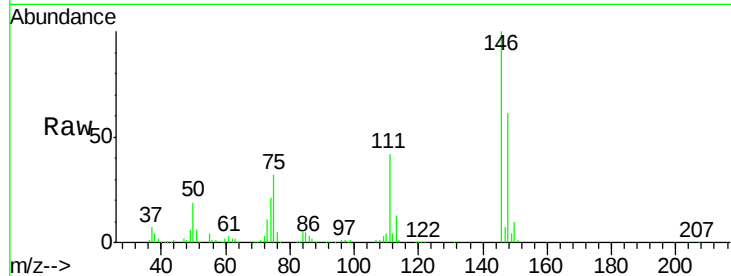
ClientSampleId :

VW0506SBS01

Tot Ion:	146	Resp:	90191
Ion Ratio	Lower	Upper	
146	100		
111	43.2	22.1	66.3
148	62.3	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.015 ug/l

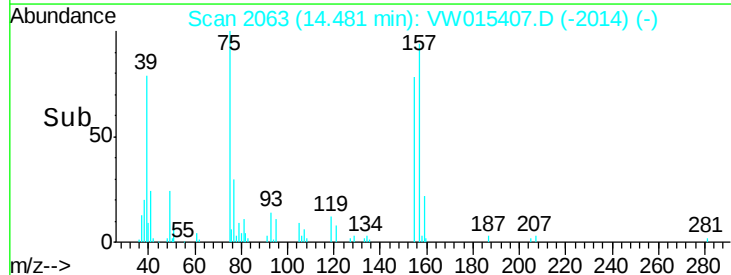
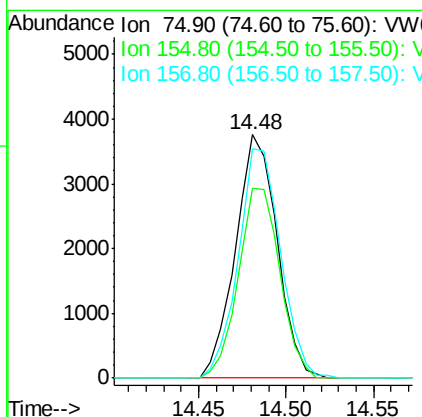
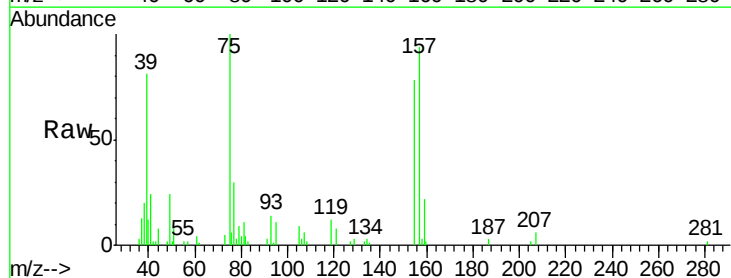
RT: 14.48 min Scan# 2063

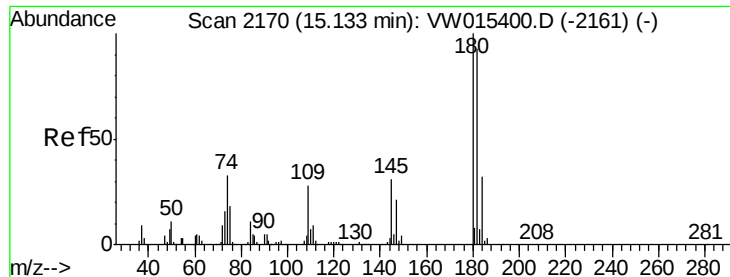
Delta R.T. 0.00 min

Lab File: VW015407.D

Acq: 06 May 2020 11:36

Tgt Ion:	75	Resp:	6243
Ion Ratio	Lower	Upper	
75	100		
155	78.0	38.7	116.1
157	96.0	48.1	144.4





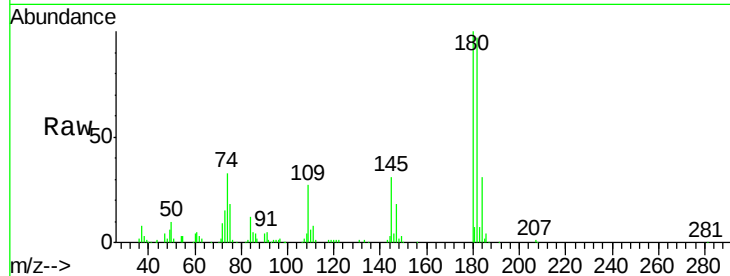
#93
 1,2,4-Trichlorobenzene
 Concen: 22.054 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0506SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61875		
182	95.7	47.2	141.6	
145	30.2	15.6	46.8	

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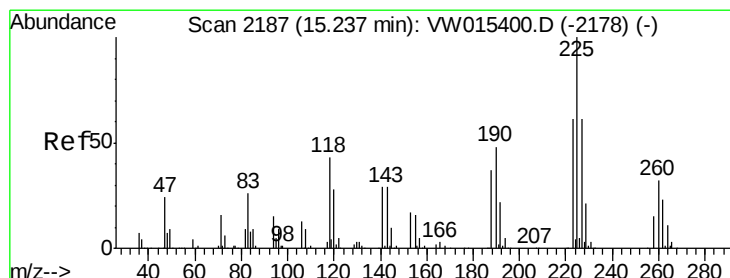
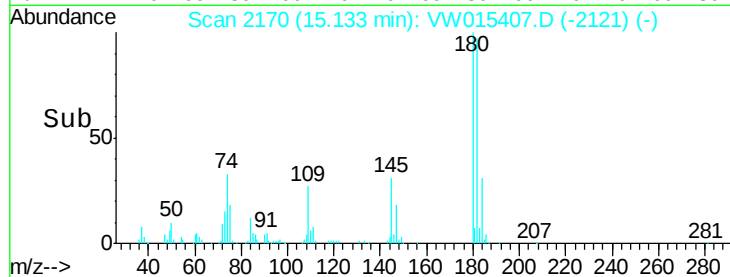
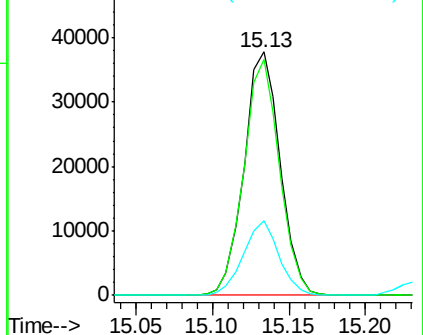


Abundance

Ion 179.80 (179.50 to 180.50): V

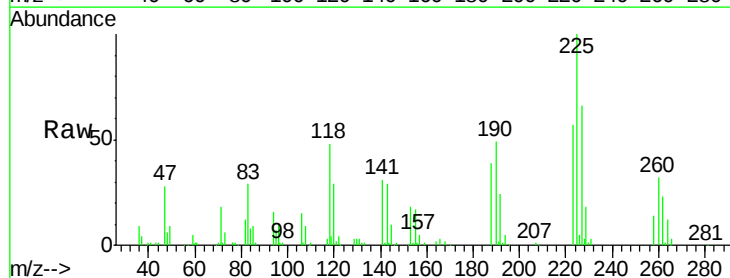
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.204 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015407.D
 Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36915		
223	62.3	30.7	92.1	
227	63.0	32.0	96.0	

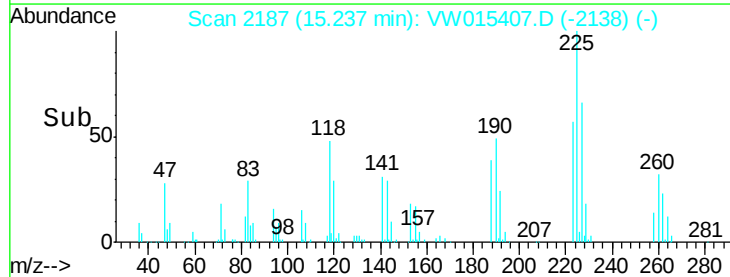
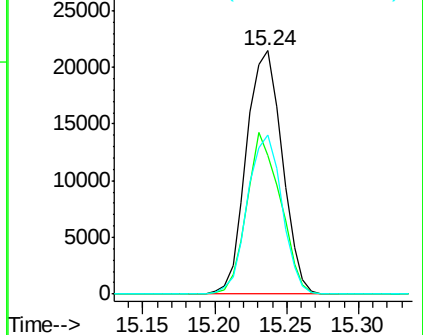


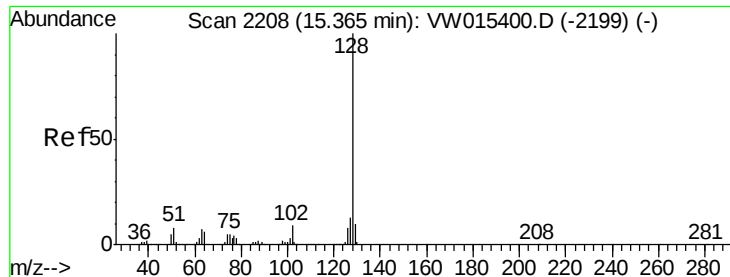
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





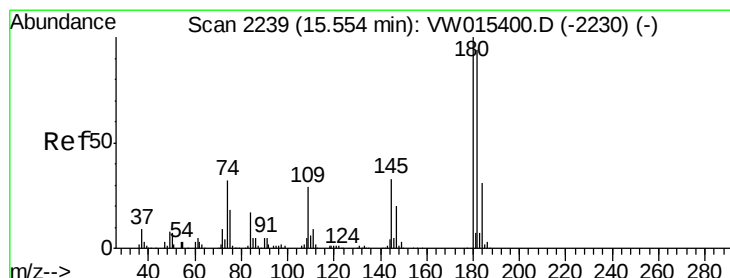
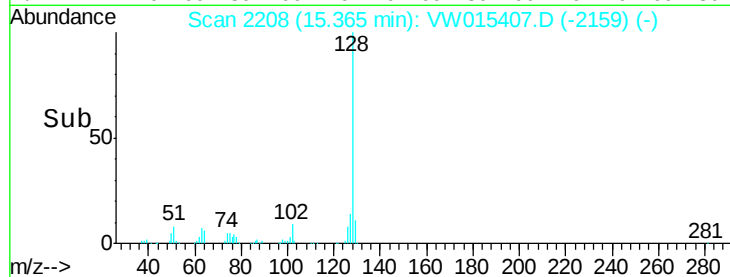
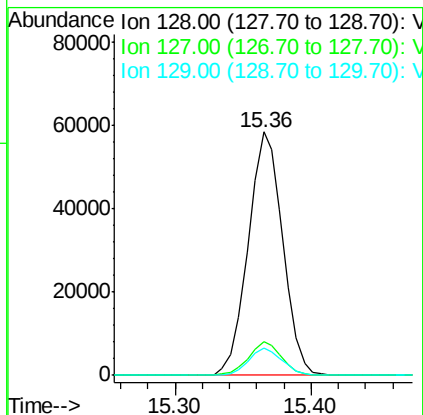
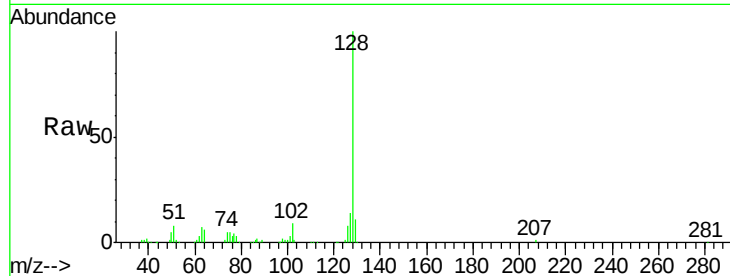
#95
Naphthalene
Concen: 20.690 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0506SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.4	10.5	15.7	
129	10.9	8.6	12.8	

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#96
1,2,3-Trichlorobenzene
Concen: 21.253 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015407.D
Acq: 06 May 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.6	142.8	
145	33.1	16.3	48.8	

