

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
 Data File : VW013401.D
 Acq On : 03 Oct 2019 03:18
 Operator : SY/VA
 Sample : VW1002SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:10:59 PM

Quant Time: Oct 04 08:19:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	168524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	118588	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	7.88	113	114002	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	
50) Toluene-d8	10.32	98	482700	58.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.64%	
62) 4-Bromofluorobenzene	12.61	95	161331	58.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26683	24.744	ug/l	91
3) Chloromethane	2.20	50	37187	20.898	ug/l	98
4) Vinyl Chloride	2.35	62	53909	21.347	ug/l	100
5) Bromomethane	2.76	94	29678	19.128	ug/l	96
6) Chloroethane	2.91	64	27010	18.522	ug/l	97
7) Trichlorofluoromethane	3.24	101	19524	17.820	ug/l	94
8) Diethyl Ether	3.68	74	25289	19.942	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54791	22.556	ug/l	98
10) Methyl Iodide	4.27	142	75484	19.242	ug/l	99
11) Tert butyl alcohol	5.18	59	31093	175.508	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	52588	20.490	ug/l	92
13) Acrolein	3.89	56	21951	110.458	ug/l	99
14) Allyl chloride	4.66	41	70566	18.587	ug/l	98
15) Acrylonitrile	5.37	53	70398	122.801	ug/l	98
16) Acetone	4.12	43	56910	89.189	ug/l	97
17) Carbon Disulfide	4.38	76	144008	20.114	ug/l	99
18) Methyl Acetate	4.67	43	42446	28.421	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	79355	21.008	ug/l	98
20) Methylene Chloride	4.92	84	56322	20.072	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	54252	19.850	ug/l	89
22) Diisopropyl ether	6.31	45	144179	19.665	ug/l	99
23) Vinyl Acetate	6.25	43	445953	101.364	ug/l	100
24) 1,1-Dichloroethane	6.21	63	87725	19.644	ug/l	99
25) 2-Butanone	7.17	43	92267	113.007	ug/l	97
26) 2,2-Dichloropropane	7.16	77	49165	17.964	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	56204	19.646	ug/l	97
28) Bromochloromethane	7.51	49	30293	18.761	ug/l	96
29) Tetrahydrofuran	7.53	42	62079	135.347	ug/l	97
30) Chloroform	7.67	83	85085	19.430	ug/l	98
31) Cyclohexane	7.95	56	100109	21.020	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	72481	21.128	ug/l	98
36) 1,1-Dichloropropene	8.08	75	77172	21.860	ug/l	99
37) Ethyl Acetate	7.25	43	40671	26.175	ug/l	97
38) Carbon Tetrachloride	8.06	117	67048	21.925	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	104484	22.473	ug/l	99
40) Benzene	8.32	78	207949	20.808	ug/l	98
41) Methacrylonitrile	7.48	41	24076	25.628	ug/l	95
42) 1,2-Dichloroethane	8.40	62	55316	21.536	ug/l	97
43) Isopropyl Acetate	8.42	43	69668	23.758	ug/l	99
44) Trichloroethene	9.09	130	58850	20.912	ug/l	100
45) 1,2-Dichloropropane	9.37	63	49753	20.735	ug/l	99
46) Dibromomethane	9.46	93	26382	22.074	ug/l	97
47) Bromodichloromethane	9.64	83	60372	20.520	ug/l	100
48) Methyl methacrylate	9.43	41	36396	25.831	ug/l	95
49) 1,4-Dioxane	9.45	88	11829	634.187	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	198926	129.114	ug/l	99
52) Toluene	10.38	92	133388	20.694	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	61413	20.068	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	73500	19.809	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40539	22.738	ug/l	97
56) Ethyl methacrylate	10.65	69	55415	23.092	ug/l	97
57) 1,3-Dichloropropane	10.93	76	68982	22.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	128307	130.161	ug/l	98
59) 2-Hexanone	10.97	43	135607	126.984	ug/l	99
60) Dibromochloromethane	11.13	129	44218	21.679	ug/l	96
61) 1,2-Dibromoethane	11.23	107	38503	22.349	ug/l	99
64) Tetrachloroethene	10.86	164	60422	24.298	ug/l	97
65) Chlorobenzene	11.66	112	138012	20.610	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47098	20.650	ug/l	98
67) Ethyl Benzene	11.73	91	252813	21.065	ug/l	97
68) m/p-Xylenes	11.83	106	194771	42.044	ug/l	99
69) o-Xylene	12.16	106	88800	20.732	ug/l	96
70) Styrene	12.18	104	149856	20.467	ug/l	99
71) Bromoform	12.35	173	27976	22.624	ug/l #	99
73) Isopropylbenzene	12.46	105	258213	20.947	ug/l	100
74) N-amyl acetate	12.27	43	59479	22.672	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	49121	23.543	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	33023m	22.048	ug/l	
77) Bromobenzene	12.74	156	58469	19.753	ug/l	97
78) n-propylbenzene	12.80	91	295210	20.819	ug/l	99
79) 2-Chlorotoluene	12.89	91	162064	20.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	213218	20.822	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14132	22.579	ug/l	98
82) 4-Chlorotoluene	12.99	91	165766	20.093	ug/l	100
83) tert-Butylbenzene	13.21	119	191450	21.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	206551	20.290	ug/l	99
85) sec-Butylbenzene	13.38	105	266997	21.651	ug/l	100
86) p-Isopropyltoluene	13.50	119	242882	21.252	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	112642	20.227	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	109390	19.619	ug/l	97
89) n-Butylbenzene	13.82	91	215831	20.947	ug/l	100
90) Hexachloroethane	14.09	117	38443	20.360	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	101245	20.566	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8237	26.394	ug/l	95

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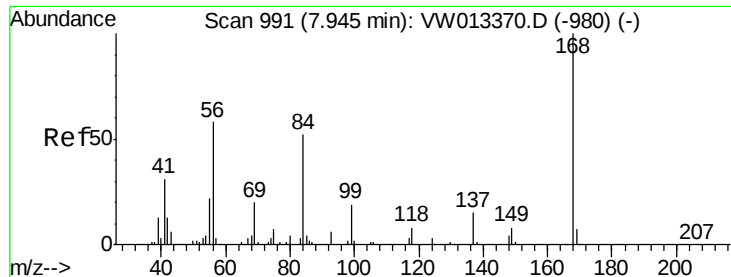
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69084	19.554	ug/l	98
94) Hexachlorobutadiene	15.24	225	49379	21.516	ug/l	97
95) Naphthalene	15.36	128	138062	23.166	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	62309	20.200	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion:168 Resp: 278797

Ion Ratio Lower Upper

168 100

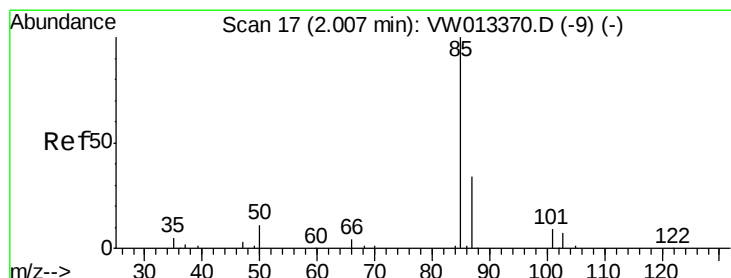
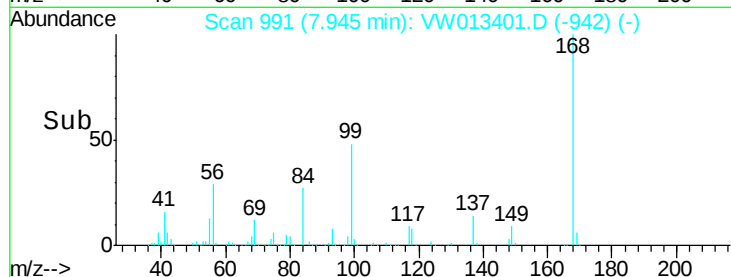
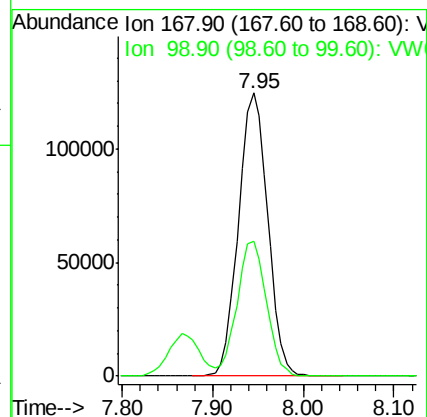
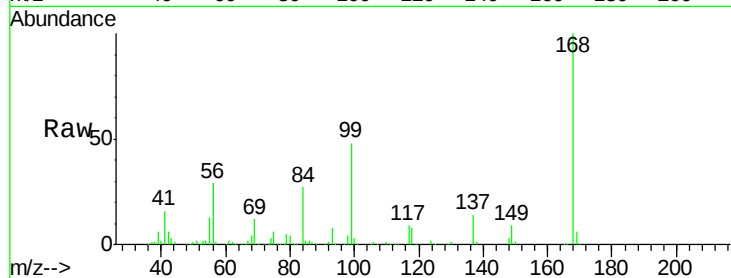
99 47.6 40.2 60.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 24.744 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013401.D

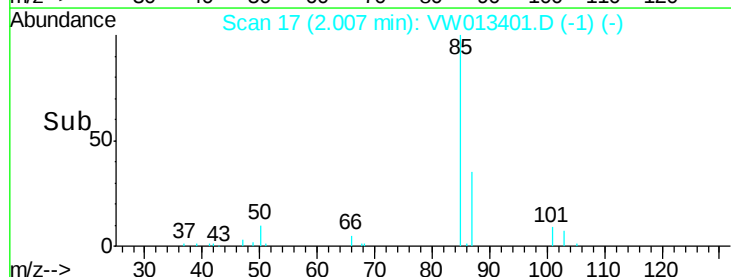
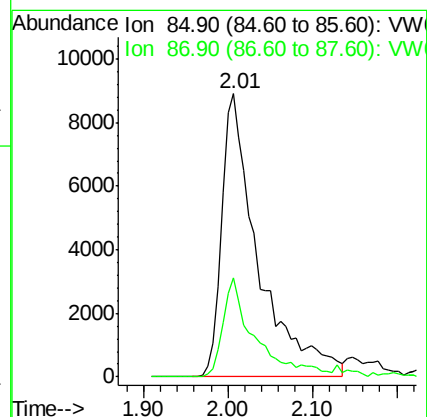
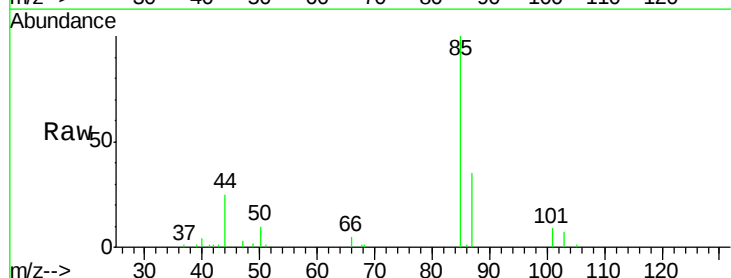
Acq: 03 Oct 2019 03:18

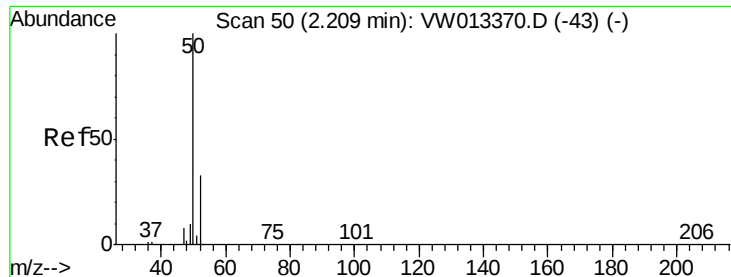
Tgt Ion: 85 Resp: 26683

Ion Ratio Lower Upper

85 100

87 35.2 15.1 45.3





#3

Chloromethane

Concen: 20.898 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion: 50 Resp: 37187

Ion Ratio Lower Upper

50 100

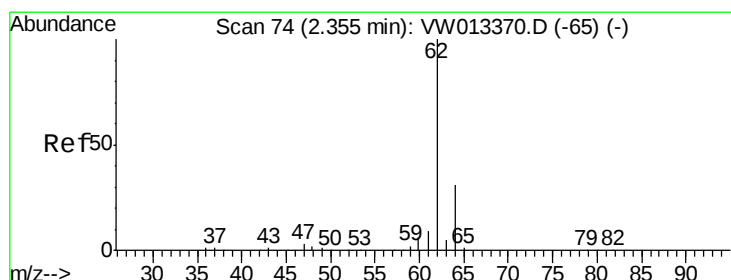
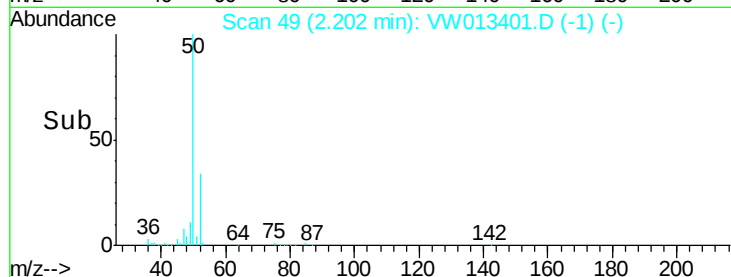
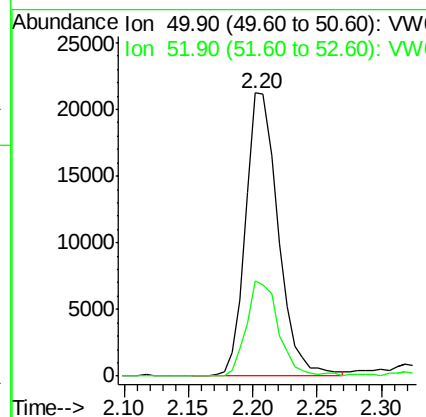
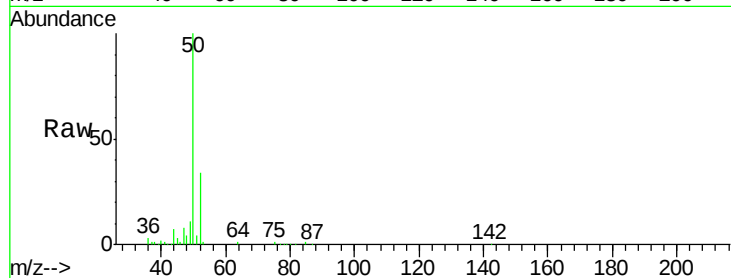
52 33.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.347 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013401.D

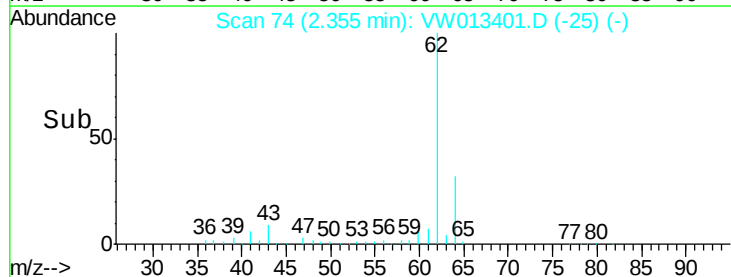
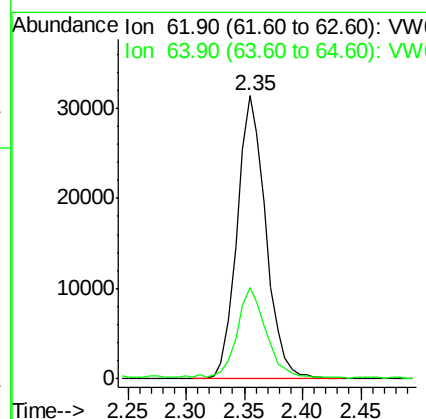
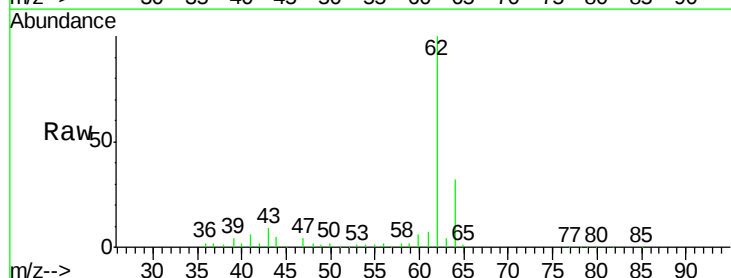
Acq: 03 Oct 2019 03:18

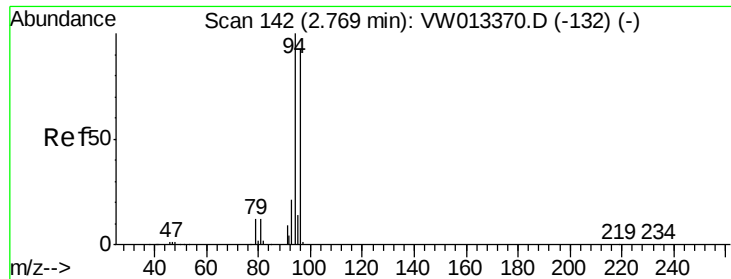
Tgt Ion: 62 Resp: 53909

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 19.128 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

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VW1002SBS02

Tot Ion: 94 Resp: 29678

Ion Ratio Lower Upper

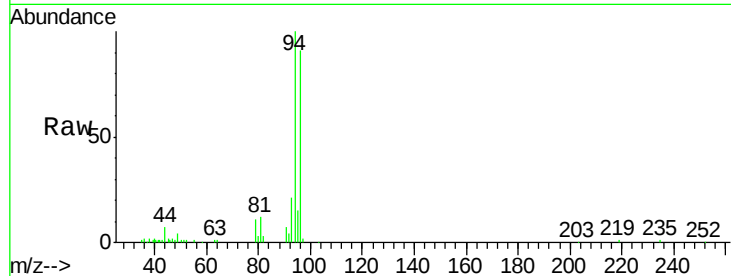
94 100

96 91.2 69.7 104.5

Manual Integrations
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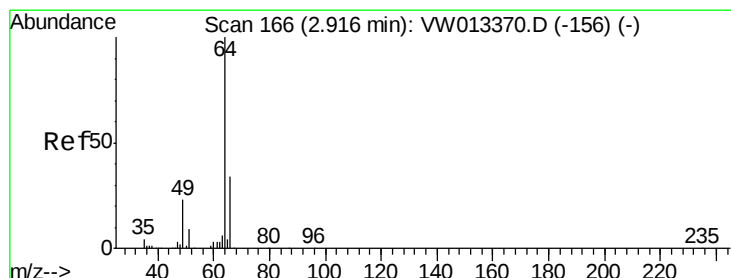
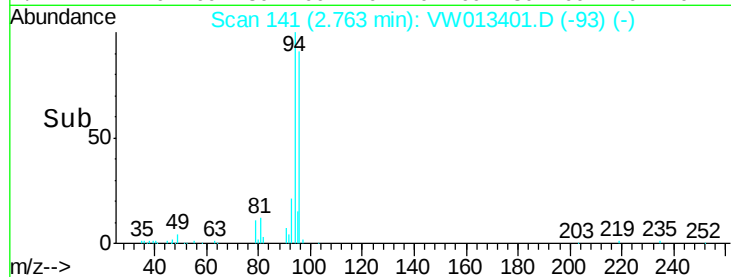
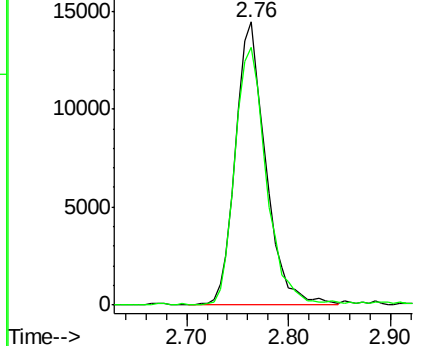
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.522 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013401.D

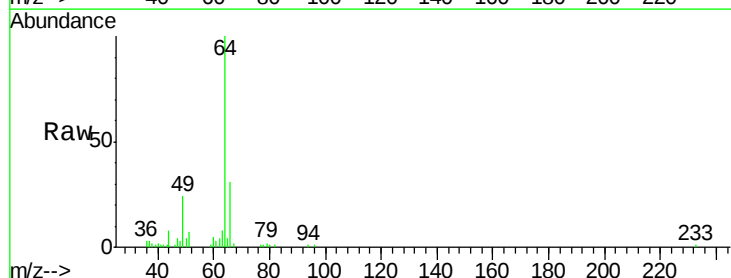
Acq: 03 Oct 2019 03:18

Tgt Ion: 64 Resp: 27010

Ion Ratio Lower Upper

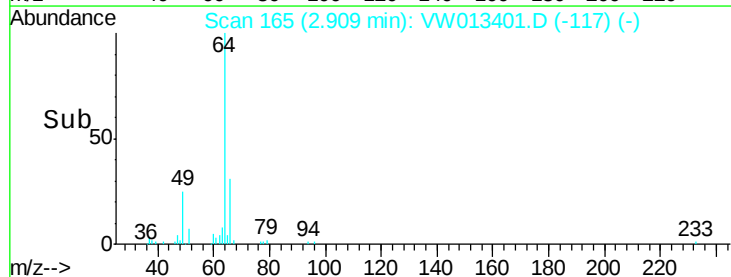
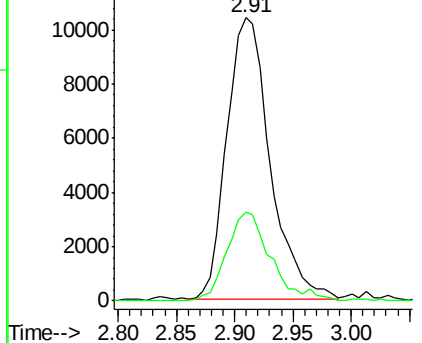
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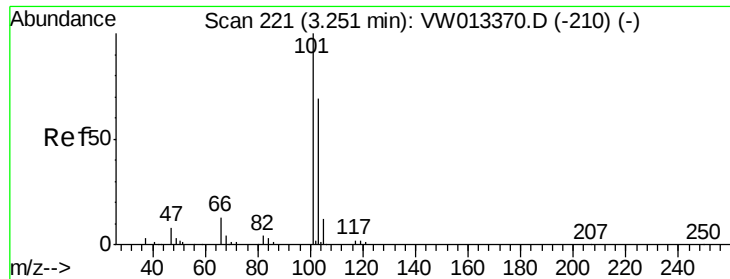
66 31.4 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

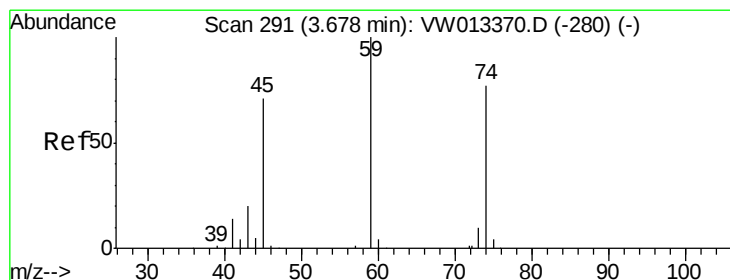
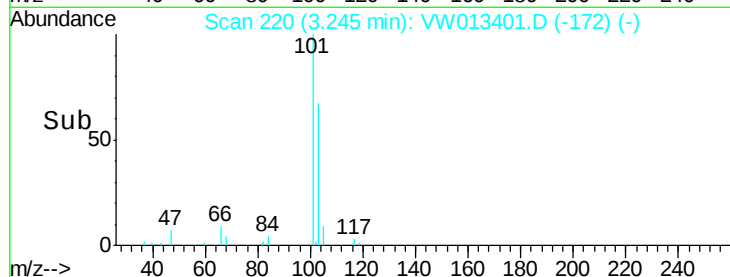
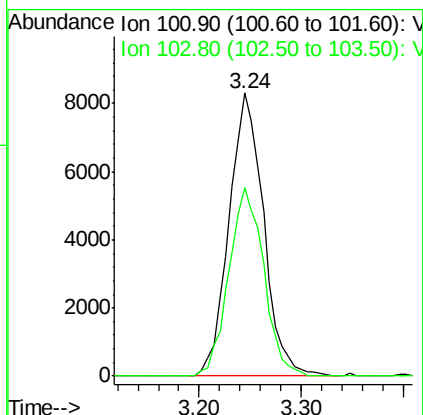
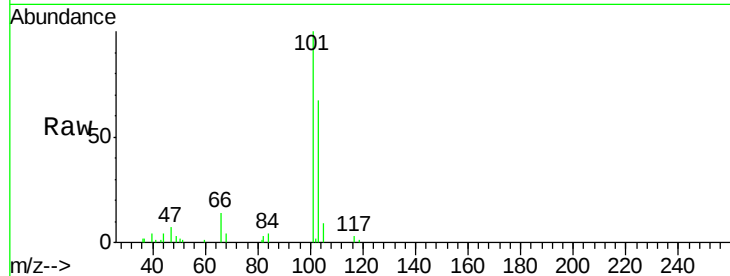
Trichlorofluoromethane
Concen: 17.820 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	49.7	74.5

Manual Integrations
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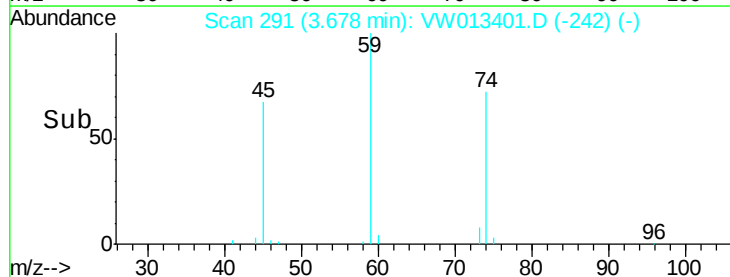
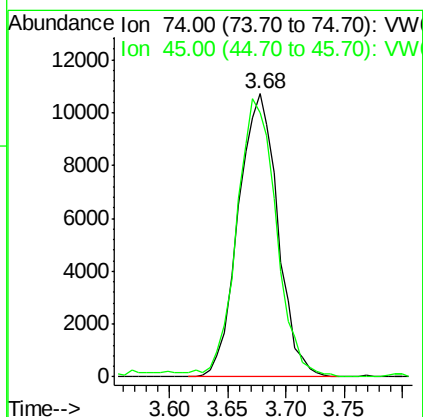
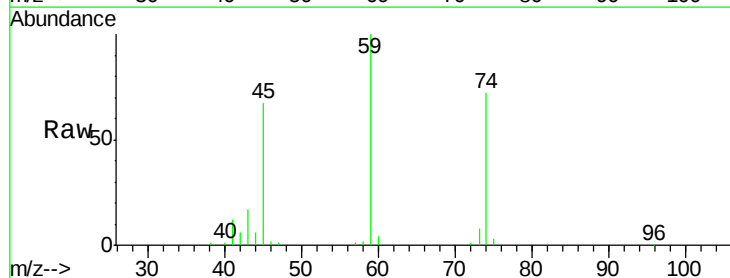
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10/4/2019 12:10:59 PM

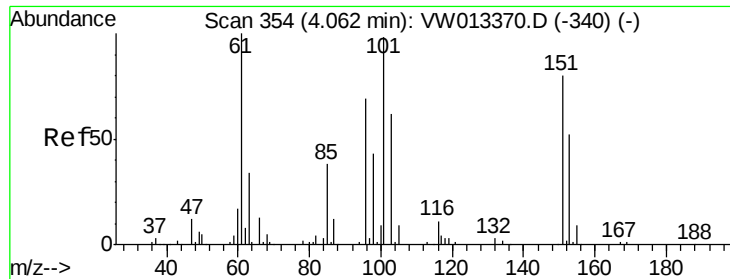


#8

Diethyl Ether
Concen: 19.942 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.556 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

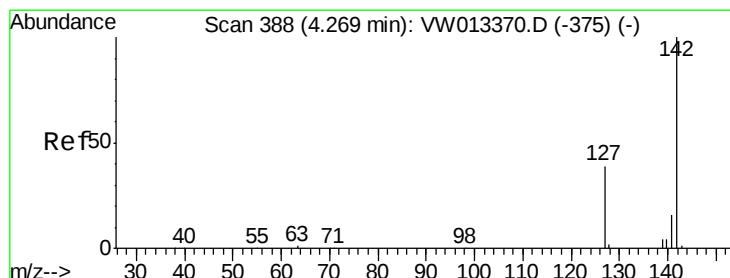
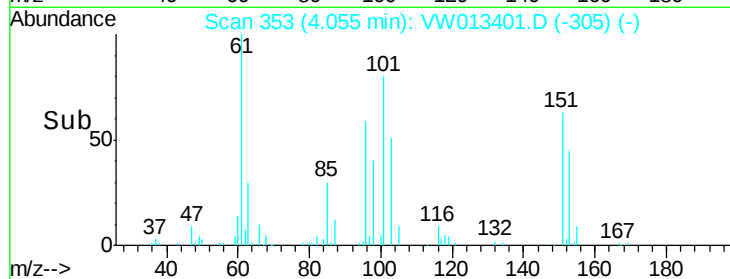
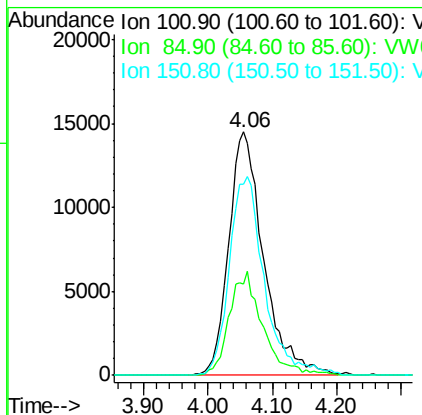
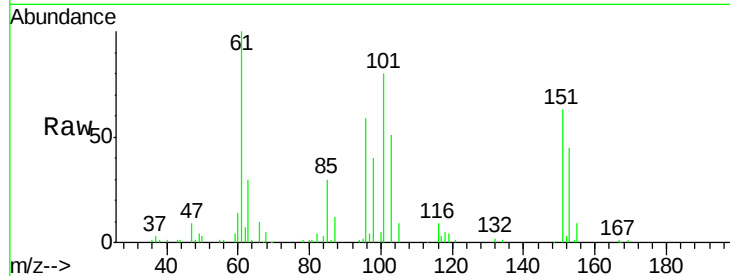
ClientSampleId :

VW1002SBS02

Tot Ion:	101	Resp:	54791
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.4	50.0
151	82.0	66.9	100.3

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#10

Methyl Iodide

Concen: 19.242 ug/l

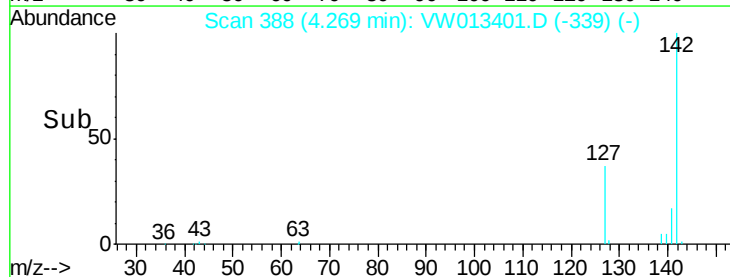
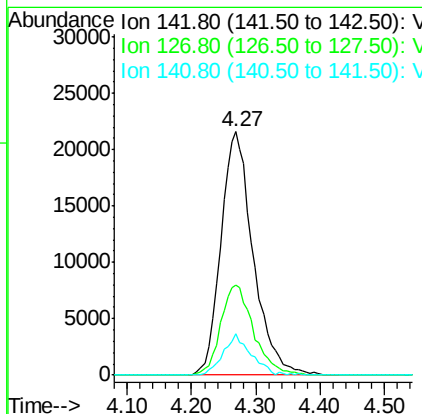
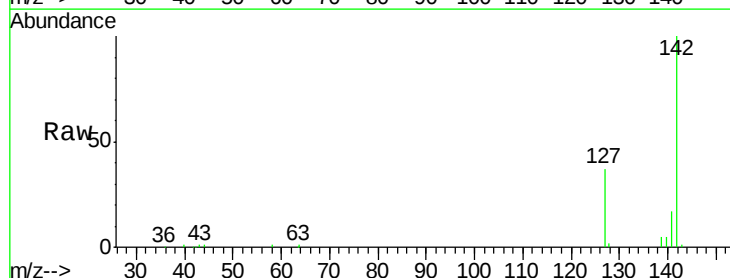
RT: 4.27 min Scan# 388

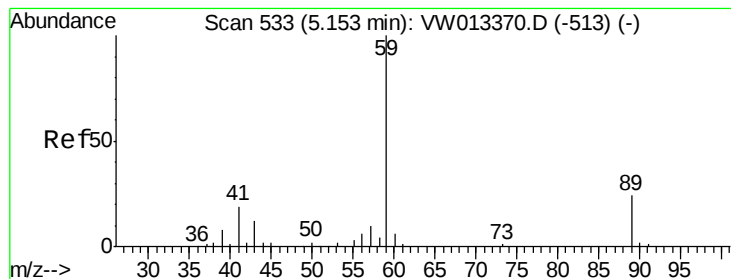
Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Tgt Ion:	142	Resp:	75484
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.9	46.3
141	14.4	11.7	17.5





#11

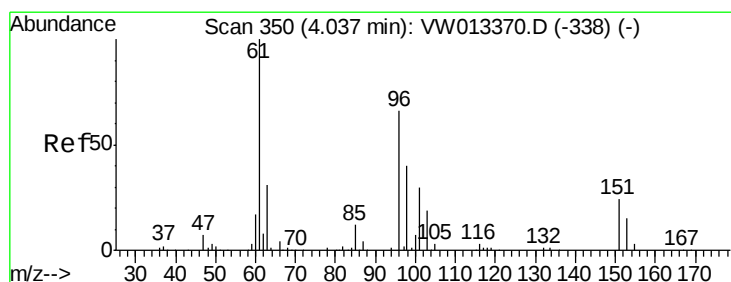
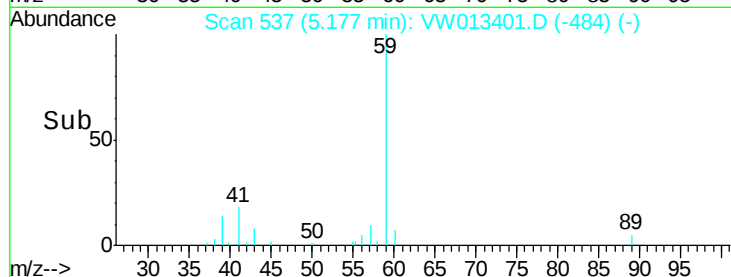
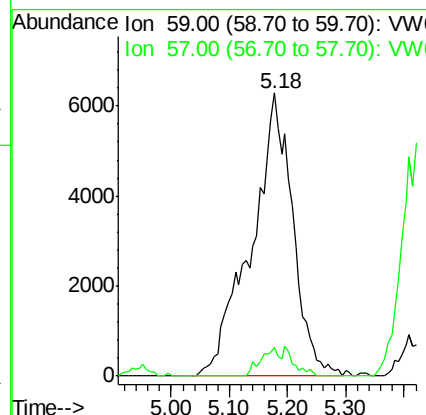
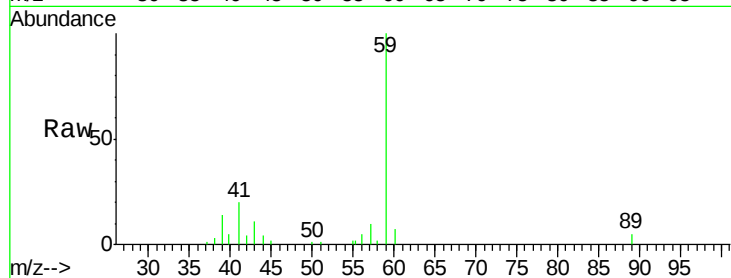
Tert butyl alcohol
 Concen: 175.508 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.2	12.2#

Manual Integrations
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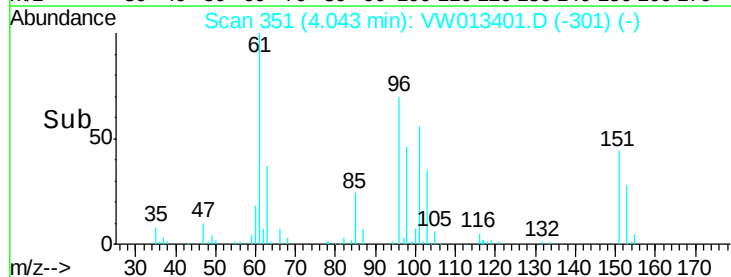
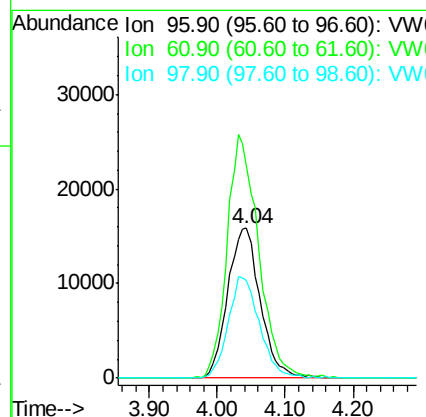
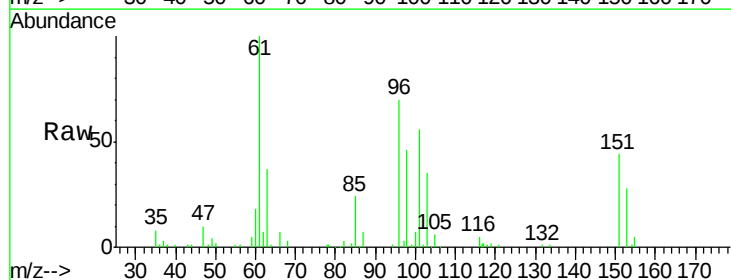
MMDadoda
 10/4/2019 12:10:59 PM

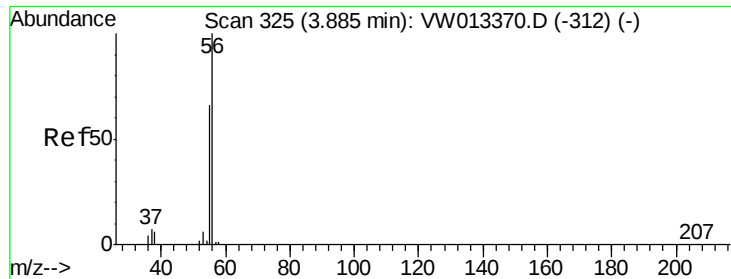


#12

1,1-Dichloroethene
 Concen: 20.490 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.7	125.1	187.7
98	65.0	50.8	76.2





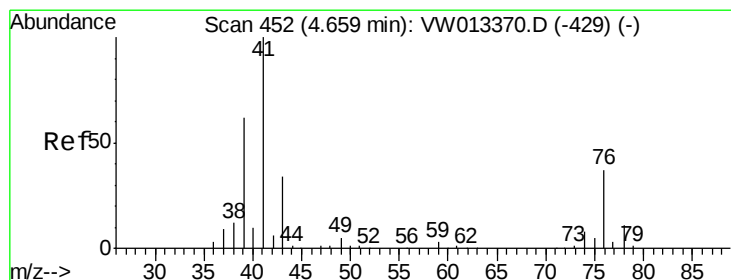
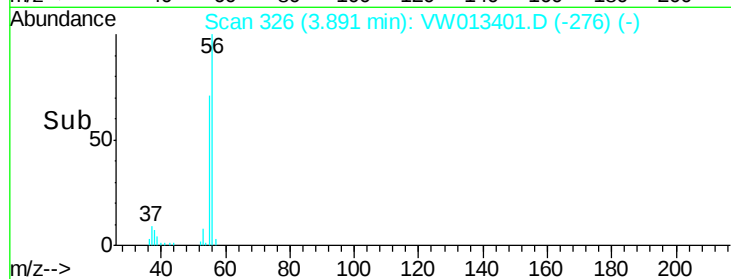
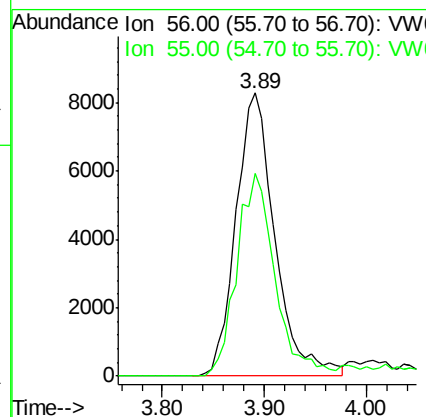
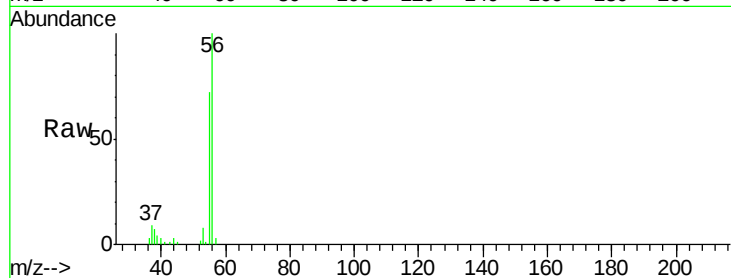
#13
Acrolein
Concen: 110.458 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	56	55	Ratio	Lower	Upper
21951	100	70.1		55.4	83.0

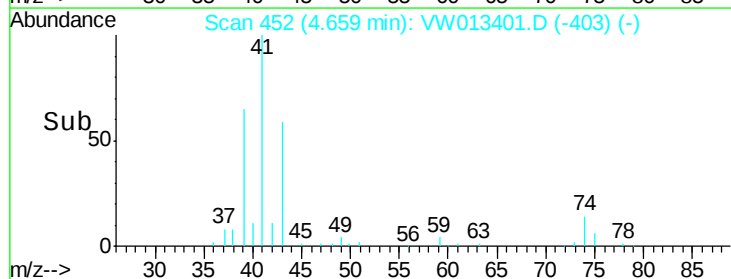
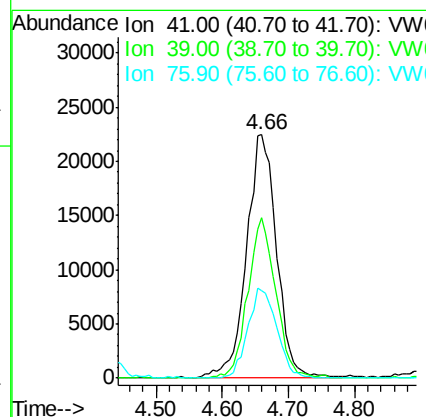
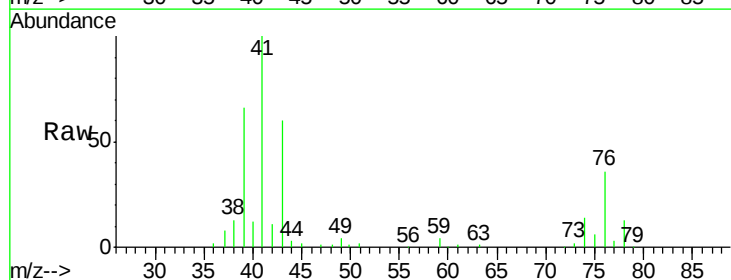
Manual Integrations
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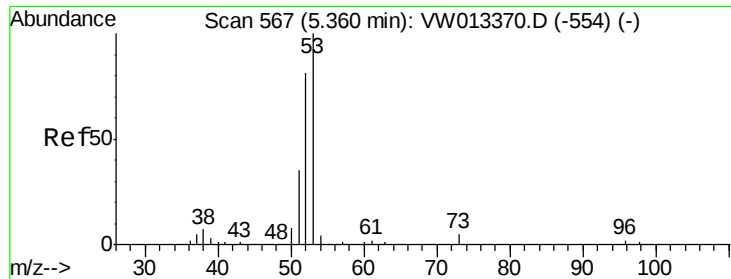
MMDadoda
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#14
Allyl chloride
Concen: 18.587 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	41	39	76	Ratio	Lower	Upper
70566	100	61.3	35.7		51.0	76.4
					28.4	42.6





#15

Acrylonitrile

Concen: 122.801 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

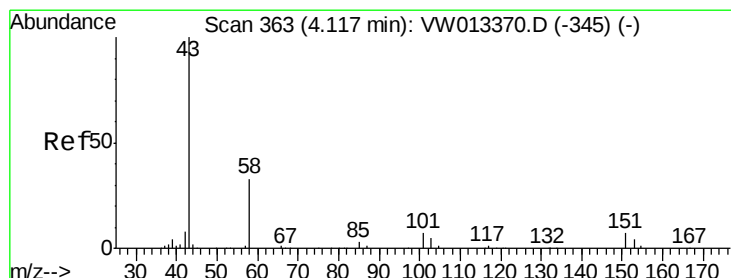
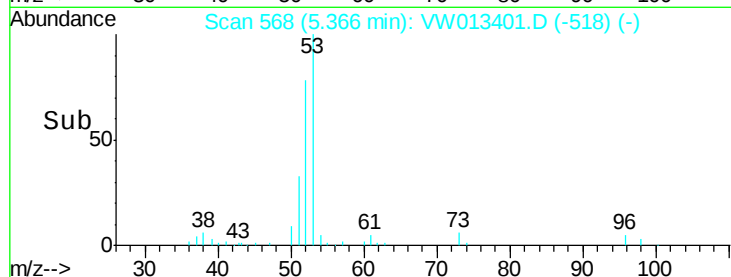
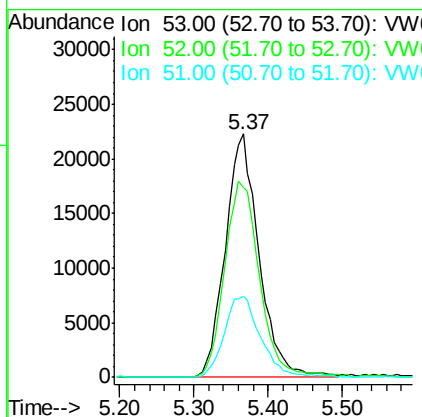
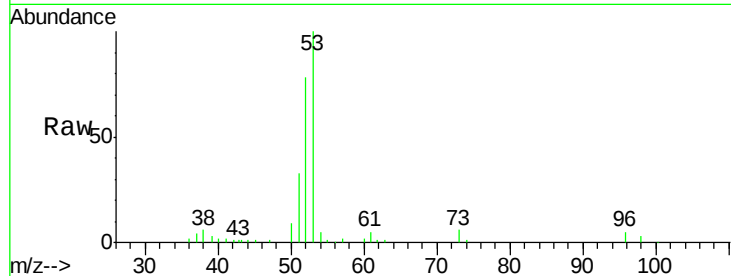
ClientSampleId :

VW1002SBS02

Tot Ion:	53	Resp:	70398
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.3	97.9
51	36.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 89.189 ug/l

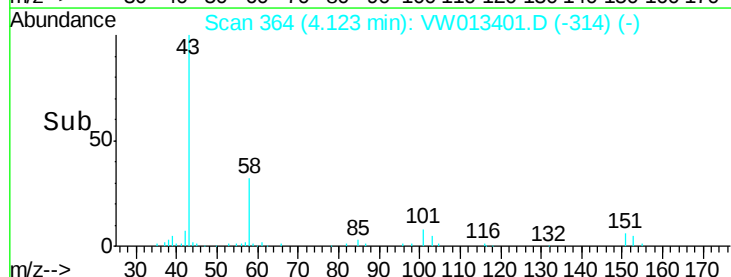
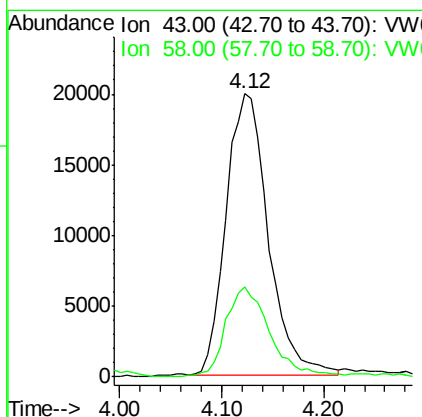
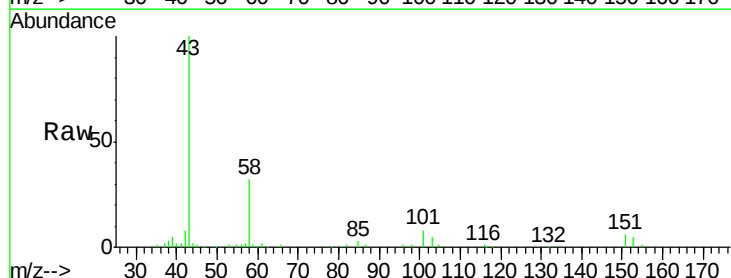
RT: 4.12 min Scan# 364

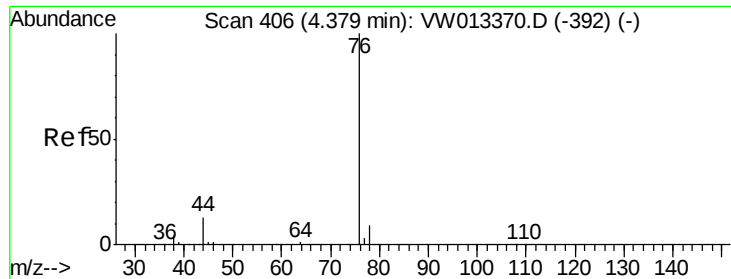
Delta R.T. 0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Tgt Ion:	43	Resp:	56910
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.1	36.1





#17

Carbon Disulfide

Concen: 20.114 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion: 76 Resp: 144008

Ion Ratio Lower Upper

76 100

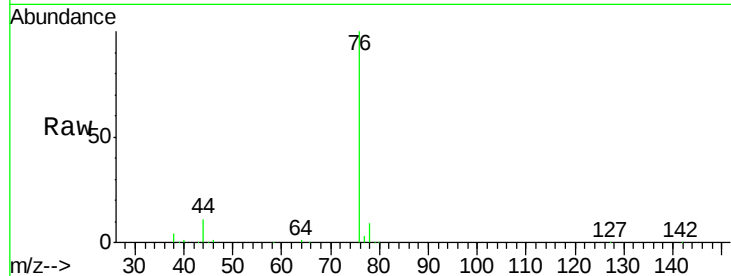
78 9.1 7.0 10.4

Manual Integrations

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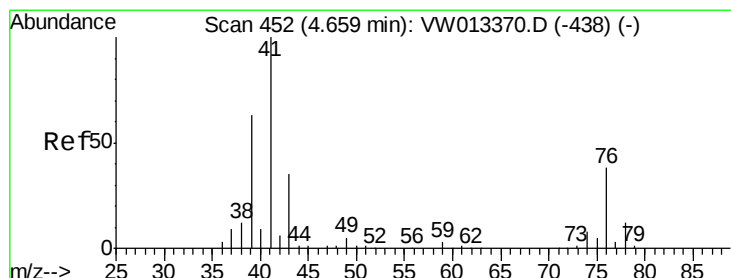
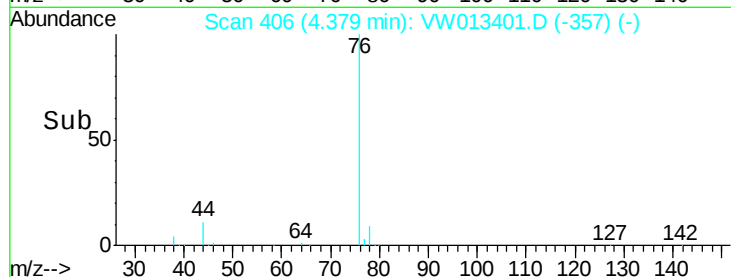
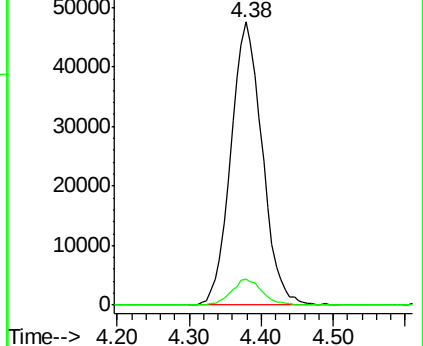
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 28.421 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013401.D

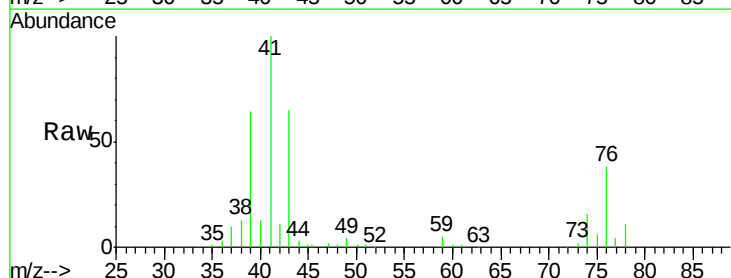
Acq: 03 Oct 2019 03:18

Tgt Ion: 43 Resp: 42446

Ion Ratio Lower Upper

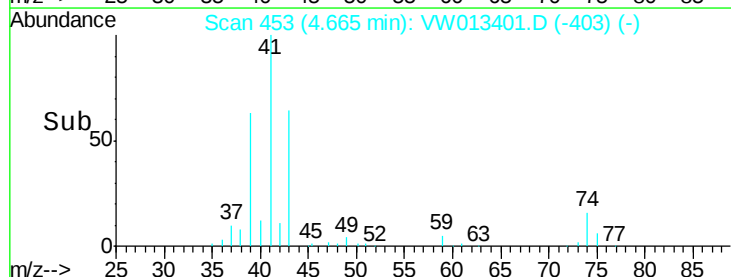
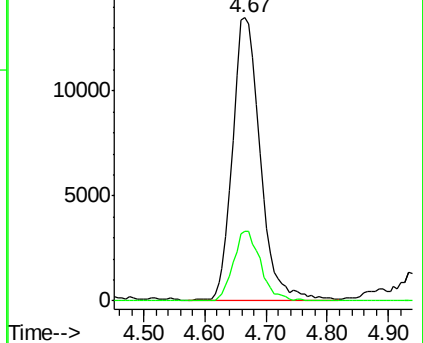
43 100

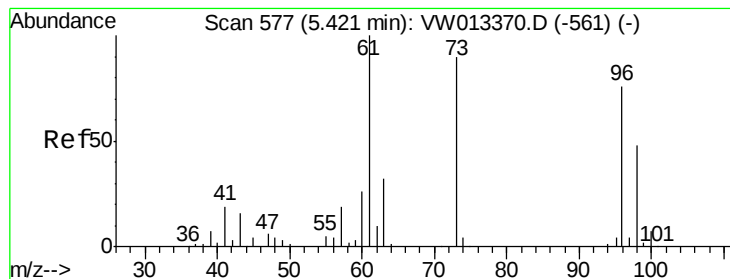
74 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

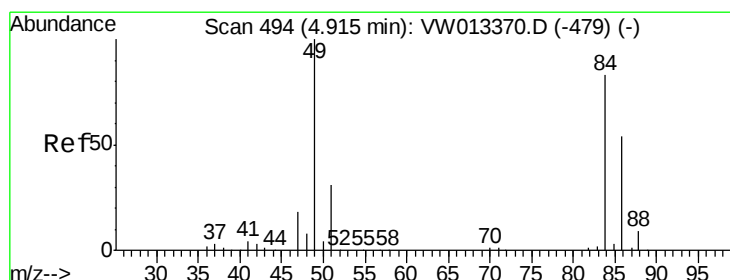
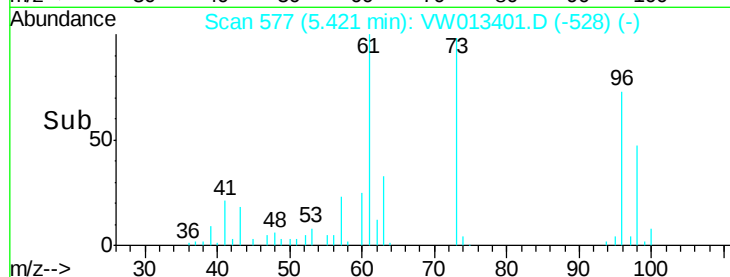
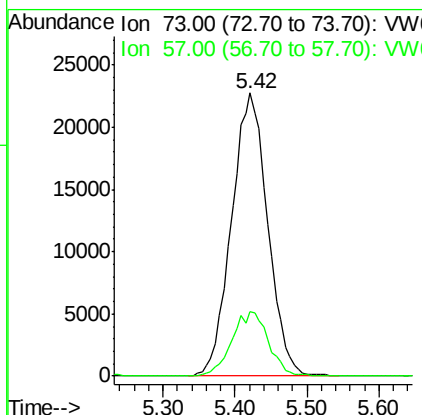
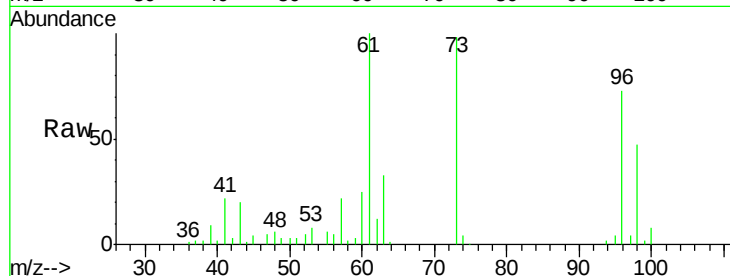
Methyl tert-butyl Ether
 Concen: 21.008 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	22.8	17.6	26.4

Manual Integrations
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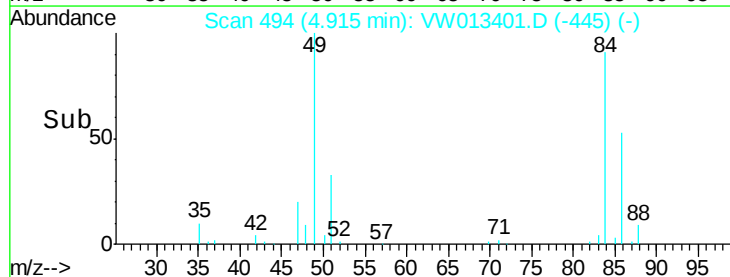
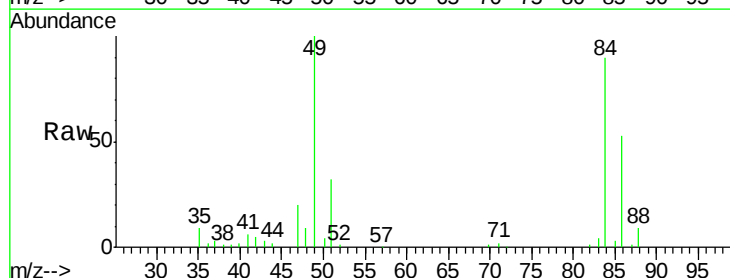
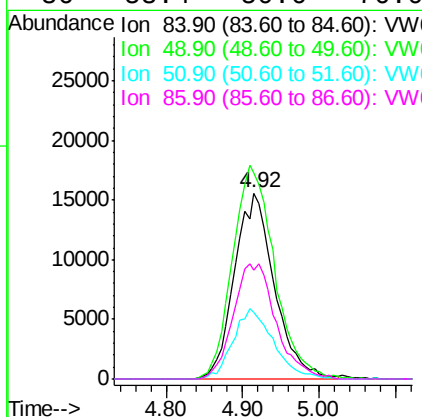
MMDadoda
 10/4/2019 12:10:59 PM

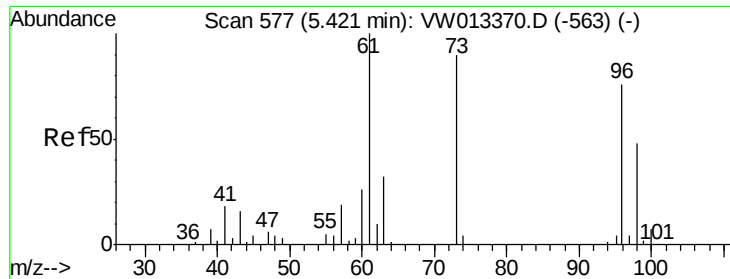


#20

Methylene Chloride
 Concen: 20.072 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	110.8	97.6	146.4
51	51	35.8	30.2	45.2
86	86	58.4	50.6	76.0





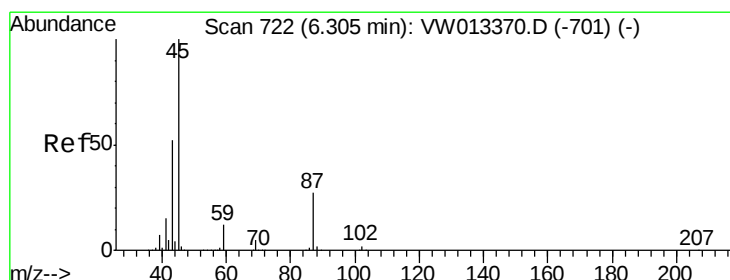
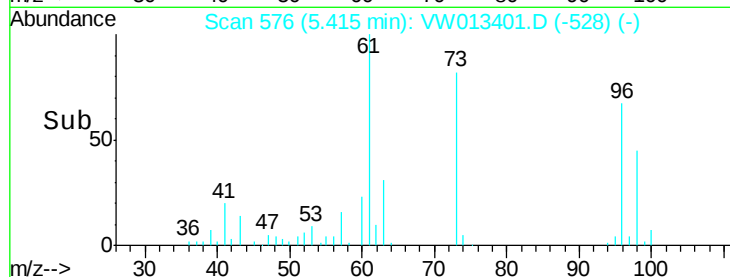
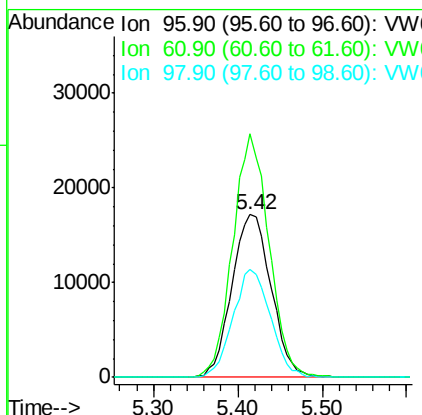
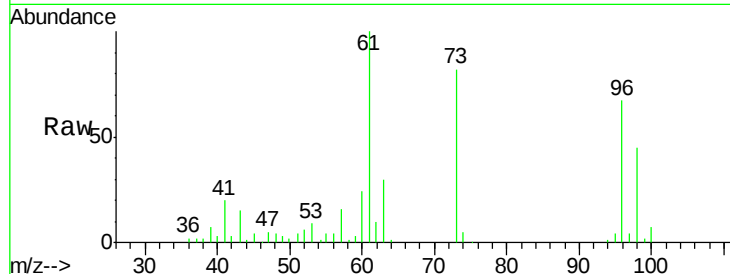
#21
trans-1,2-Dichloroethene
Concen: 19.850 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.8	106.6	159.8
98	66.7	49.8	74.8

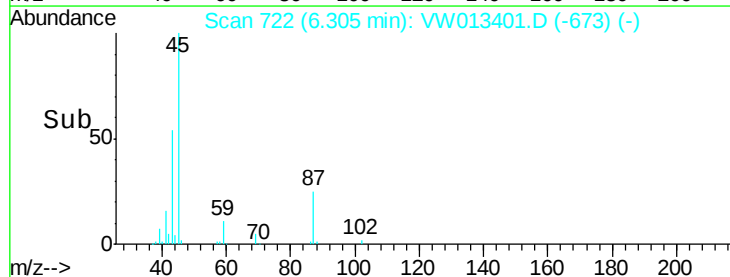
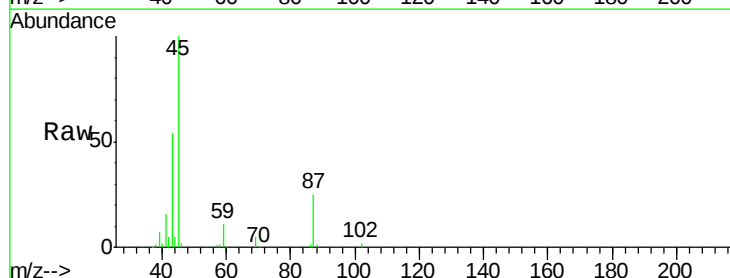
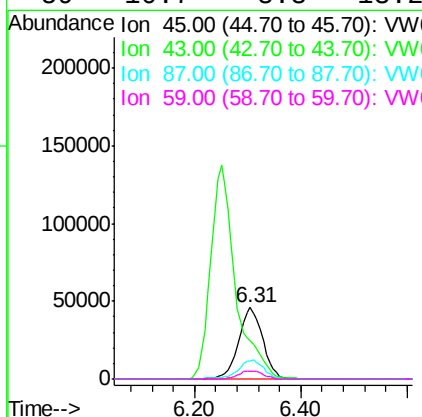
Manual Integrations
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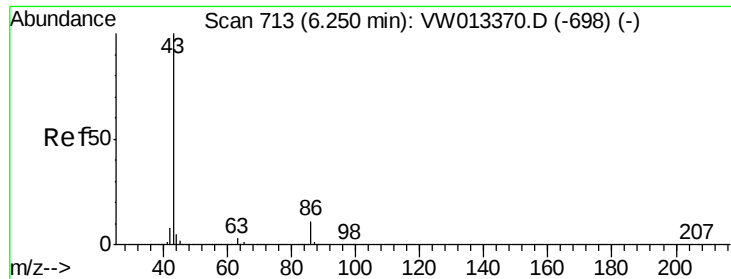
MMDadoda
10/4/2019 12:10:59 PM



#22
Diisopropyl ether
Concen: 19.665 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.6	42.4	63.6
87	25.0	20.4	30.6
59	10.7	8.8	13.2





#23

Vinyl Acetate

Concen: 101.364 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion: 43 Resp: 445953

Ion Ratio Lower Upper

43 100

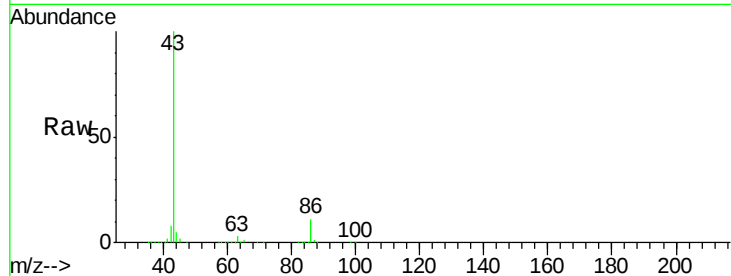
86 10.6 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

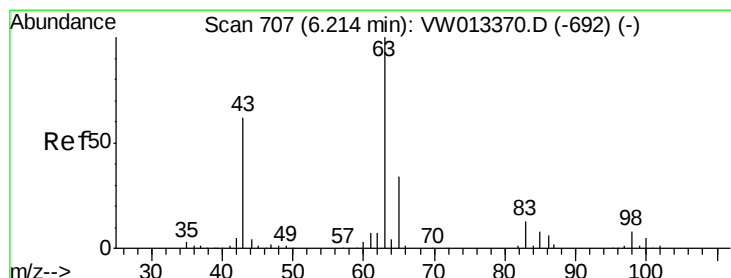
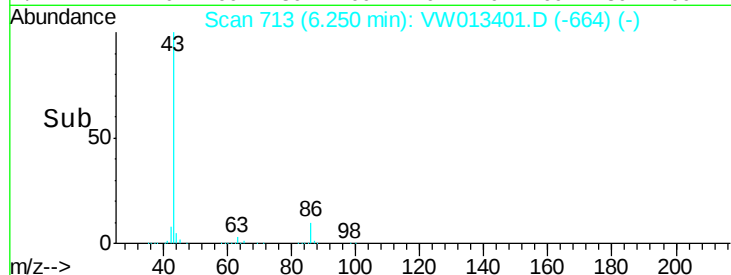
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.644 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

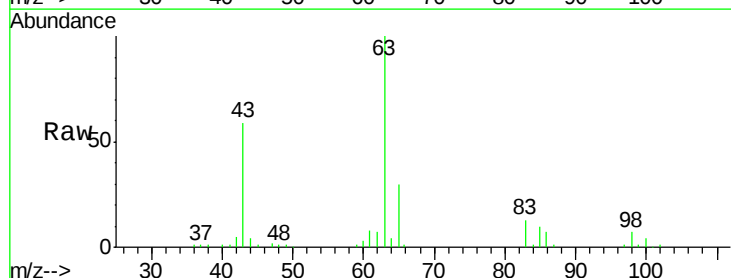
Tgt Ion: 63 Resp: 87725

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

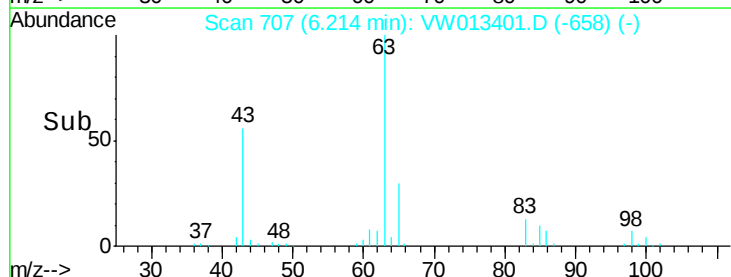
30000

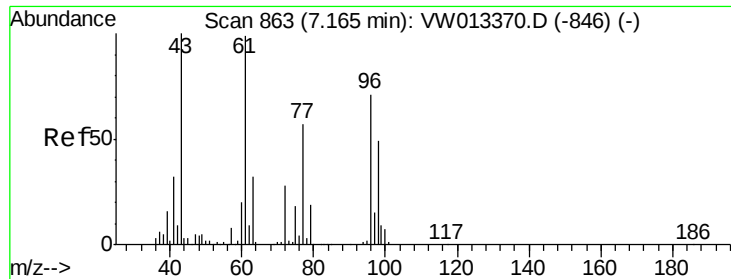
20000

10000

0

Time-->





#25

2-Butanone

Concen: 113.007 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion: 43 Resp: 92267

Ion Ratio Lower Upper

43 100

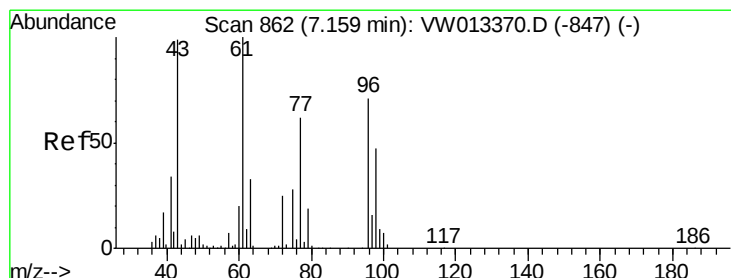
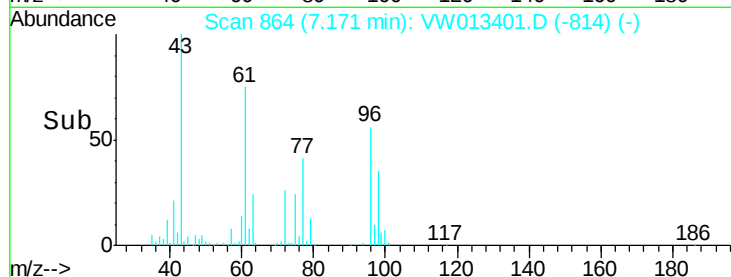
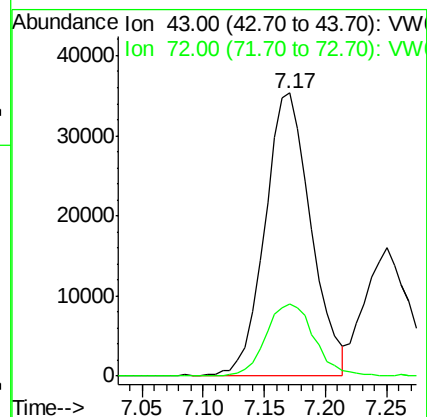
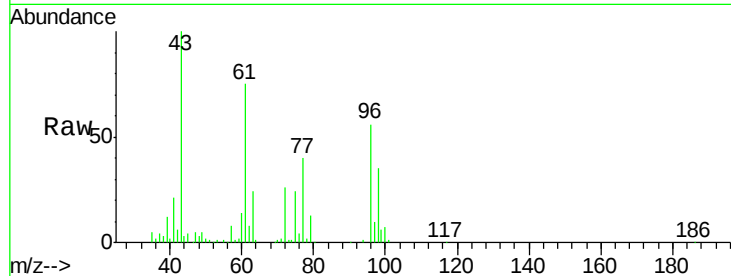
72 25.7 19.4 29.0

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:10:59 PM



#26

2,2-Dichloropropane

Concen: 17.964 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013401.D

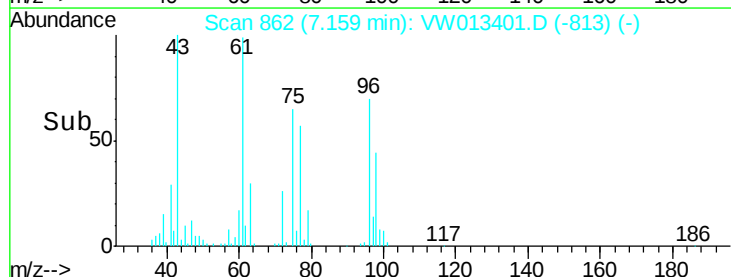
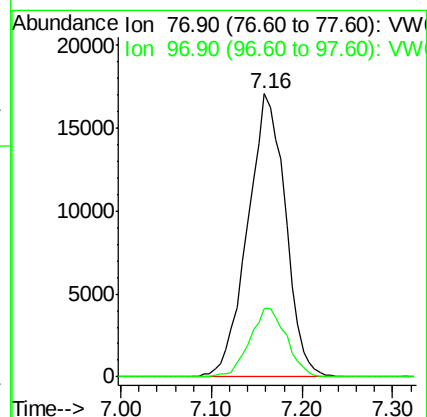
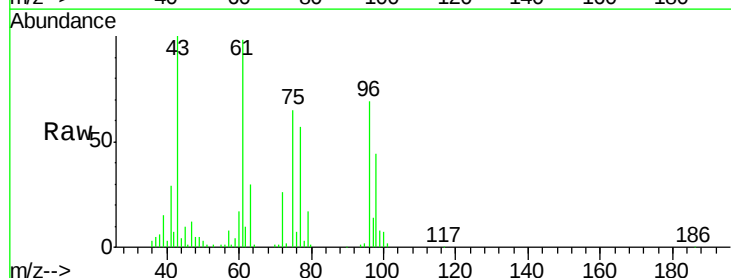
Acq: 03 Oct 2019 03:18

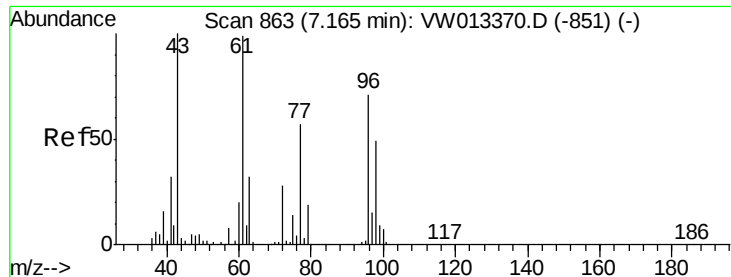
Tgt Ion: 77 Resp: 49165

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4





#27

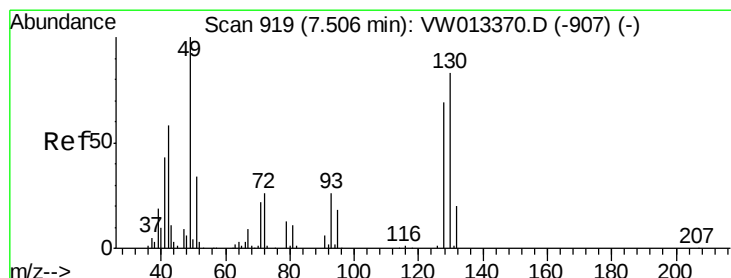
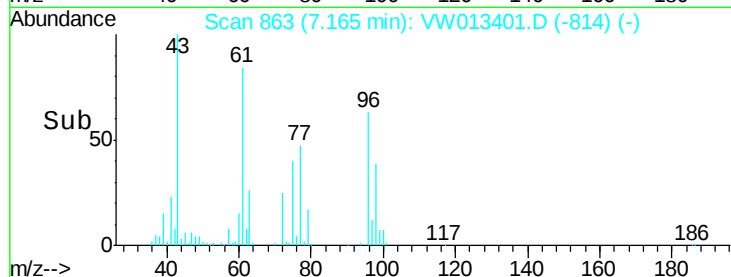
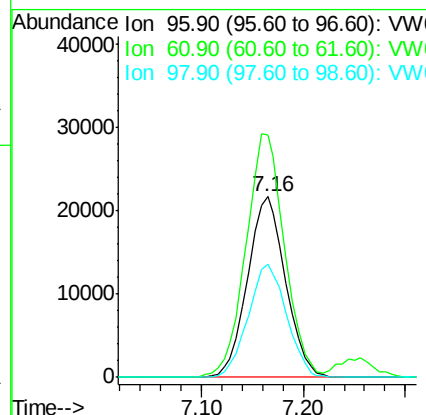
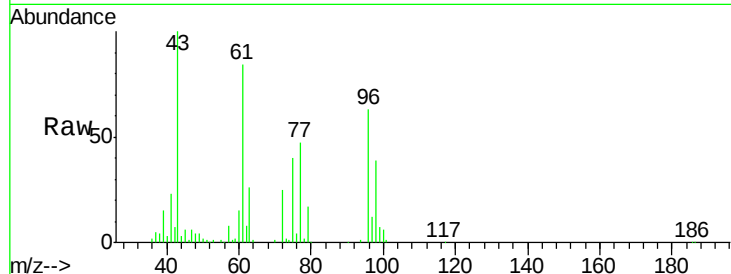
cis-1,2-Dichloroethene
Concen: 19.646 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.1	0.0	282.4
98	63.5	0.0	128.2

Manual Integrations
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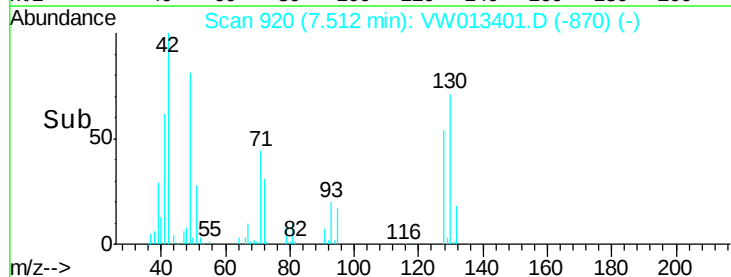
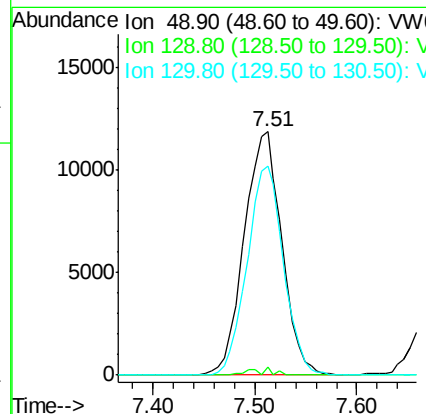
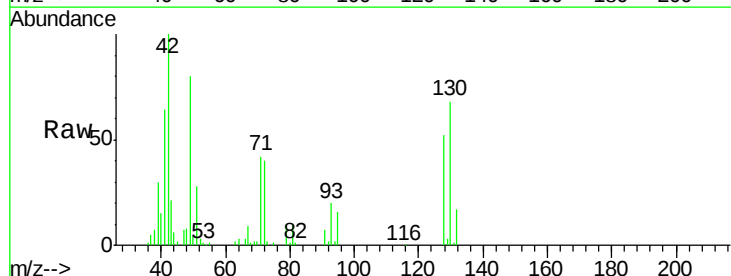
MMDadoda
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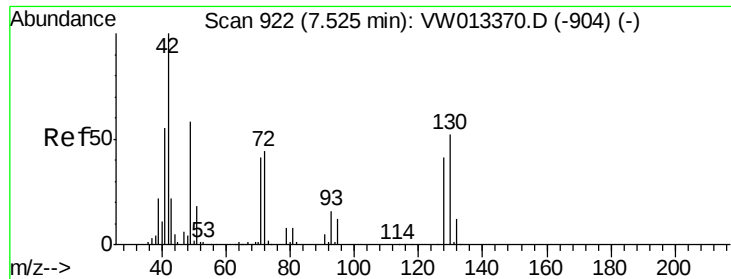


#28

Bromochloromethane
Concen: 18.761 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.0
130	83.1	63.4	95.2





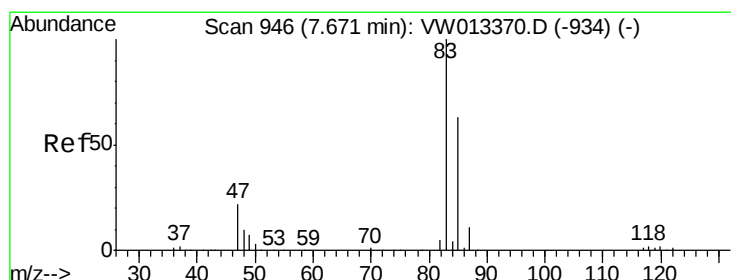
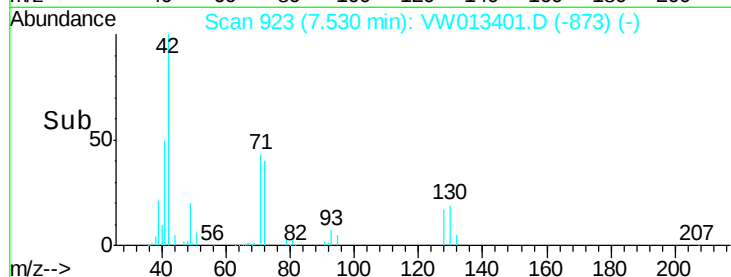
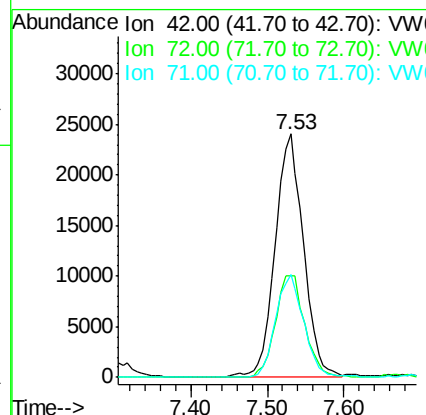
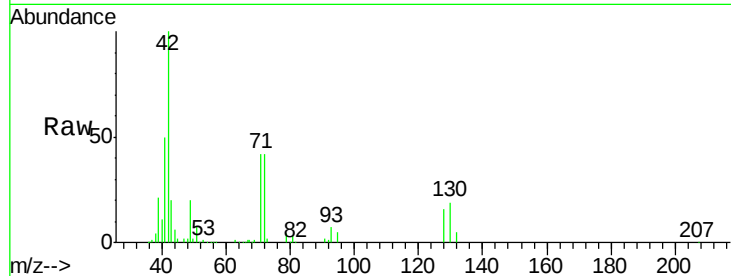
#29
Tetrahydrofuran
Concen: 135.347 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.9	50.9
71	41.9	31.9	47.9

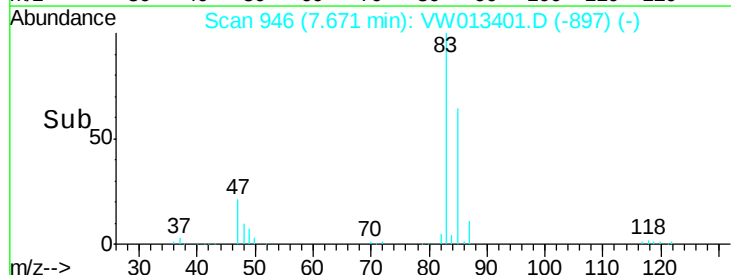
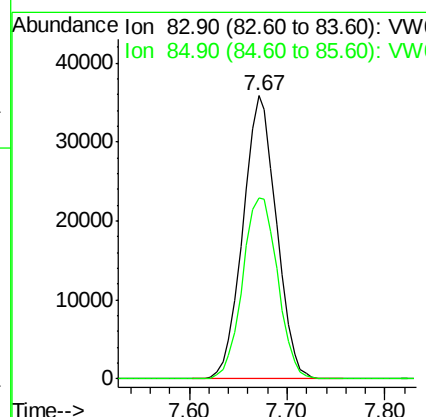
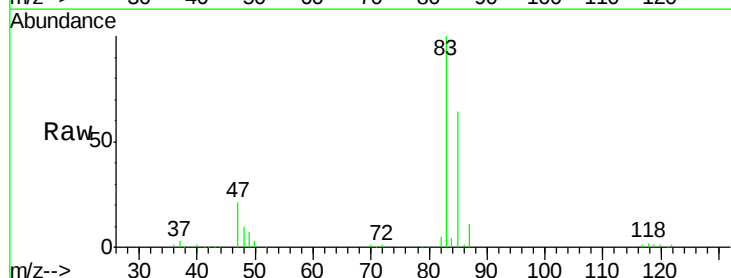
Manual Integrations
APPROVED

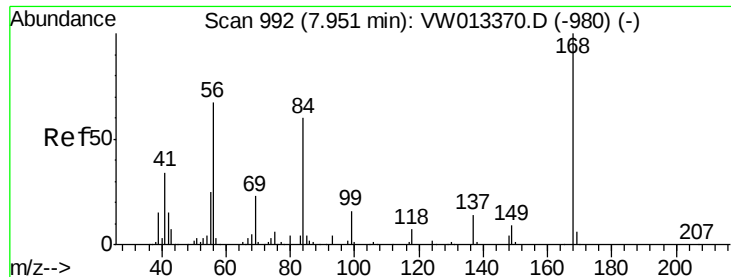
MMDadoda
10/4/2019 12:10:59 PM



#30
Chloroform
Concen: 19.430 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.3	78.5





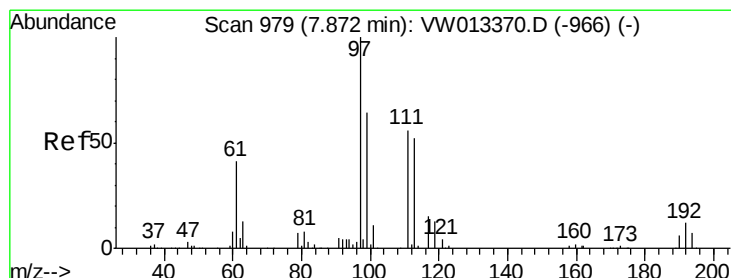
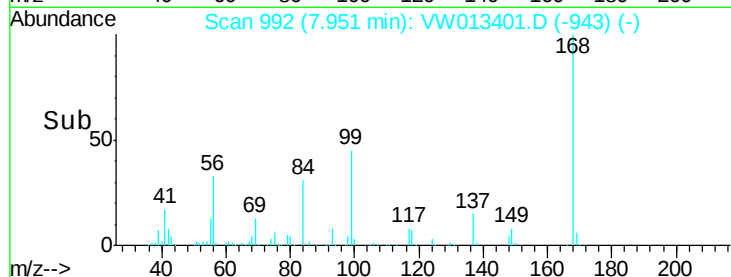
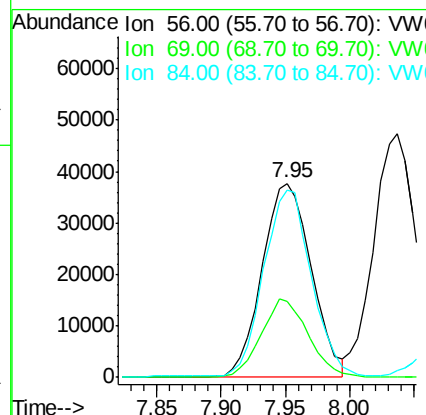
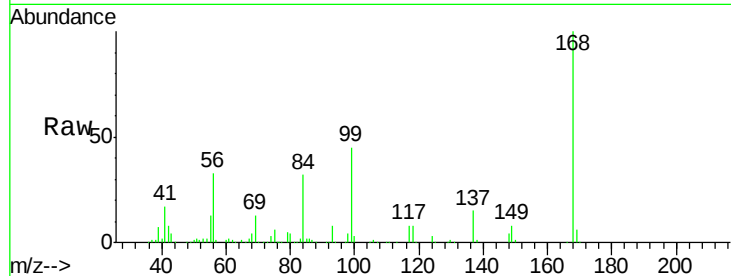
#31
Cyclohexane
Concen: 21.020 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	27.2	40.8
84	95.5	70.8	106.2

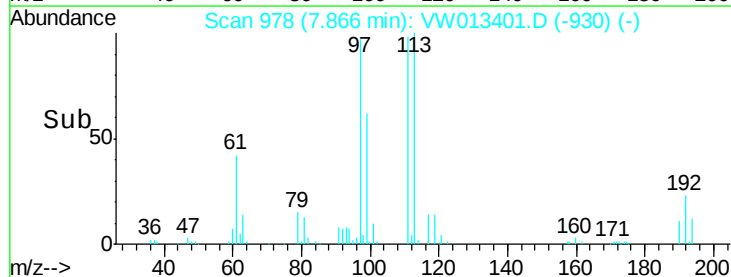
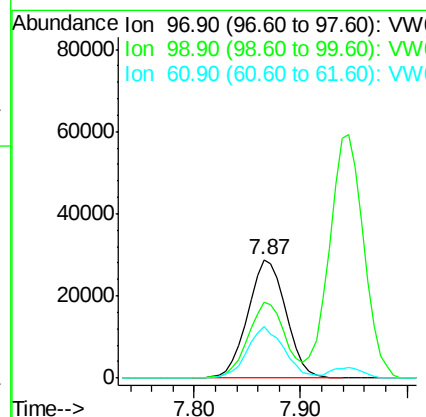
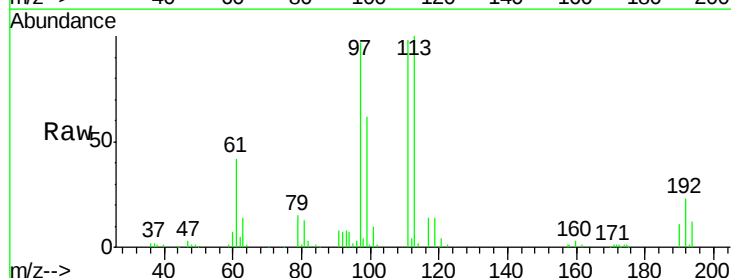
Manual Integrations
APPROVED

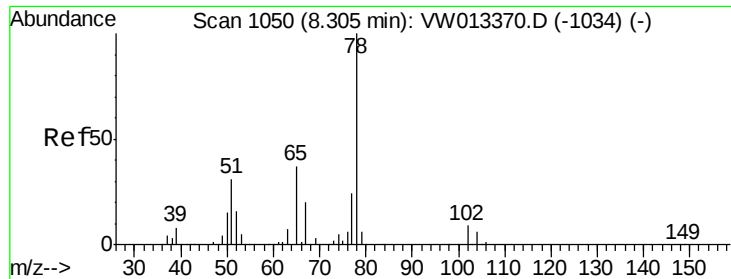
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.128 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.7	77.5
61	42.0	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 56.967 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion: 65 Resp: 118588

Ion Ratio Lower Upper

65 100

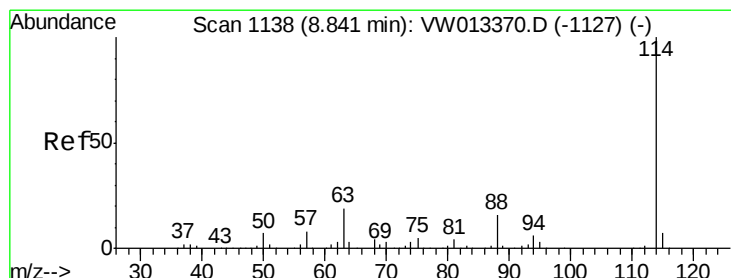
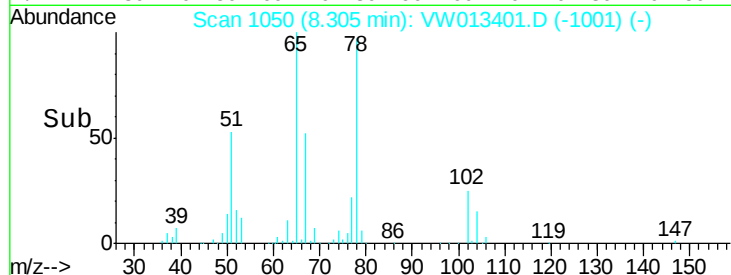
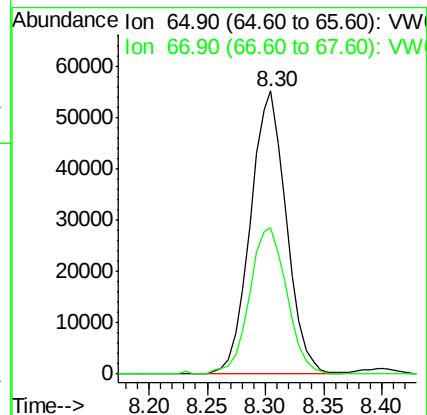
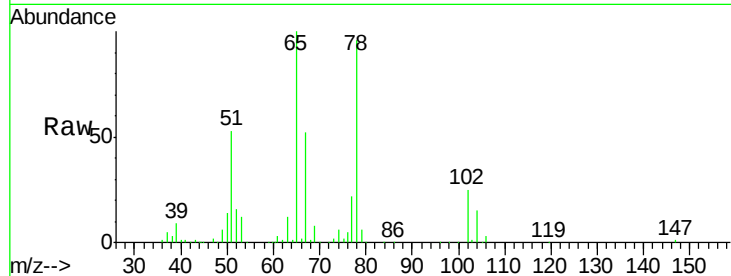
67 53.8 0.0 106.2

Manual Integrations

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10/4/2019 12:10:59 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

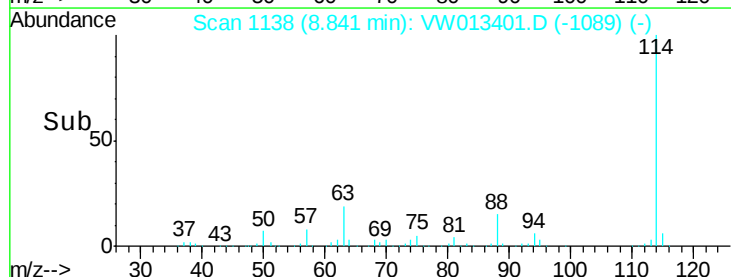
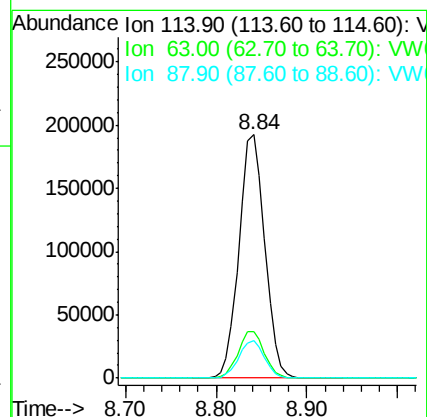
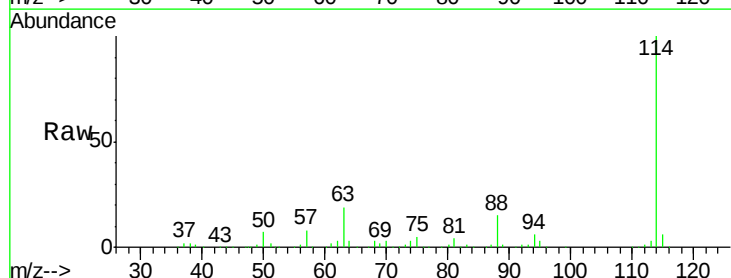
Tgt Ion: 114 Resp: 380091

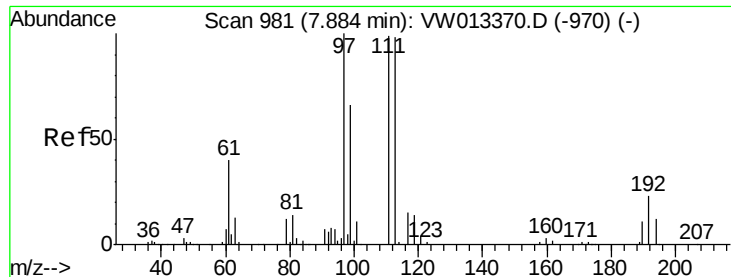
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 57.160 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

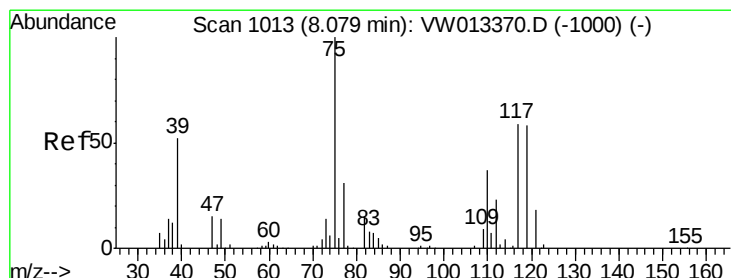
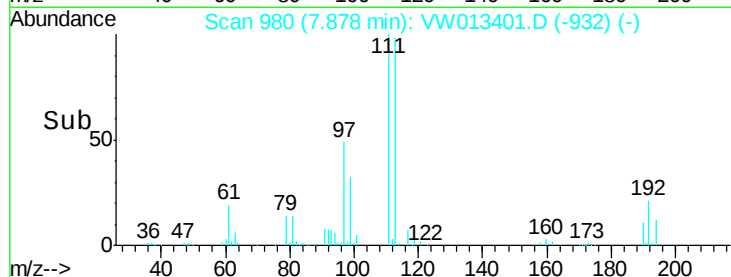
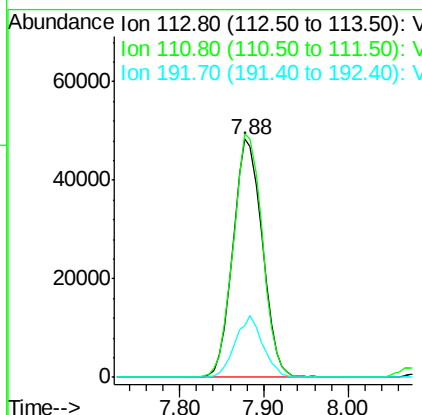
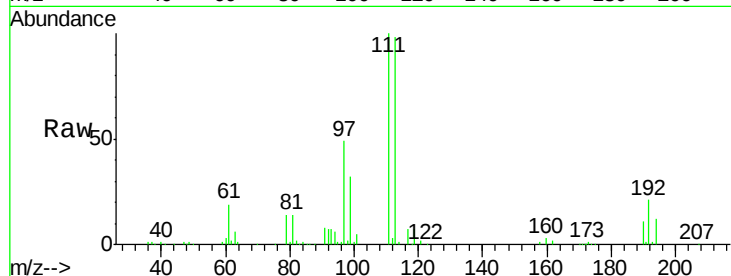
ClientSampleId :

VW1002SBS02

Tot Ion:	113	Resp:	114002
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.9	122.9
192	24.1	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.860 ug/l

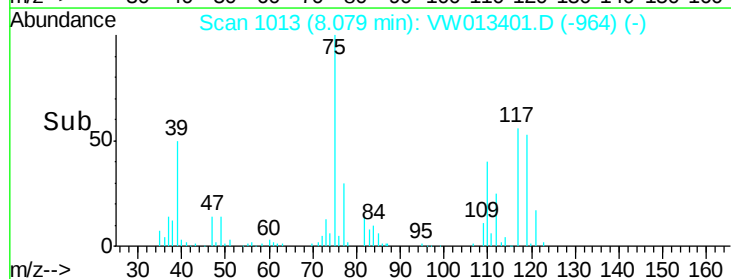
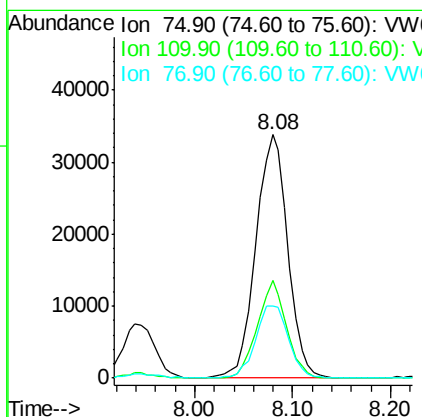
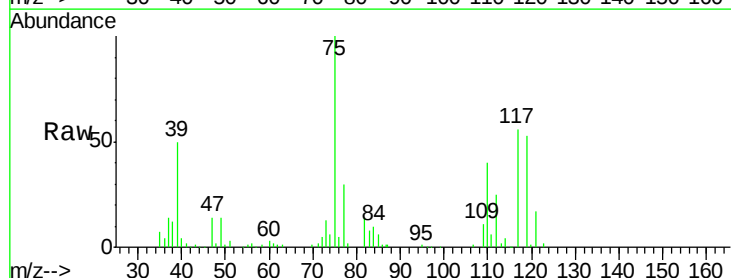
RT: 8.08 min Scan# 1013

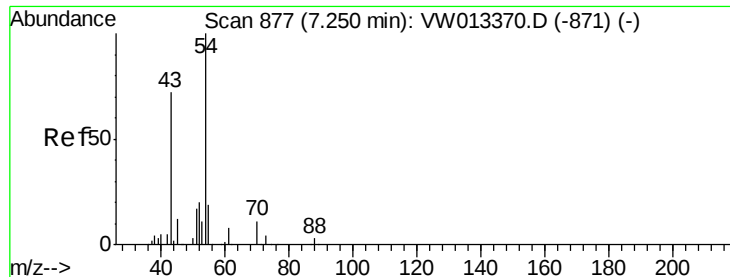
Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Tgt Ion:	75	Resp:	77172
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.3
77	30.9	25.8	38.6





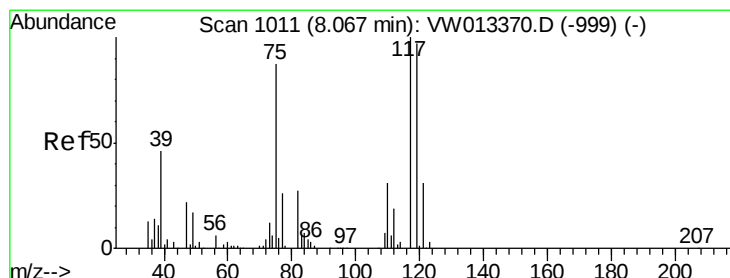
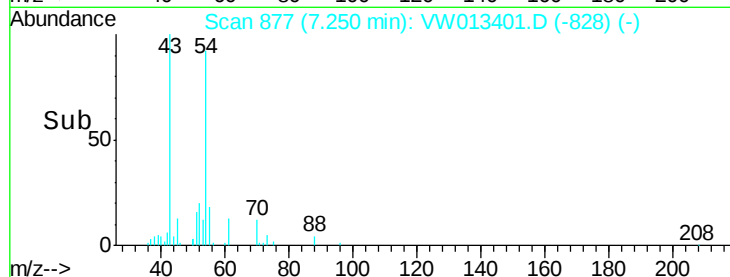
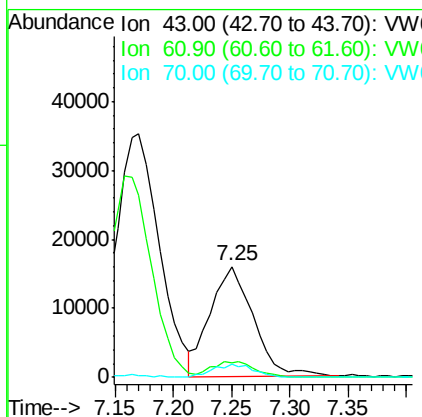
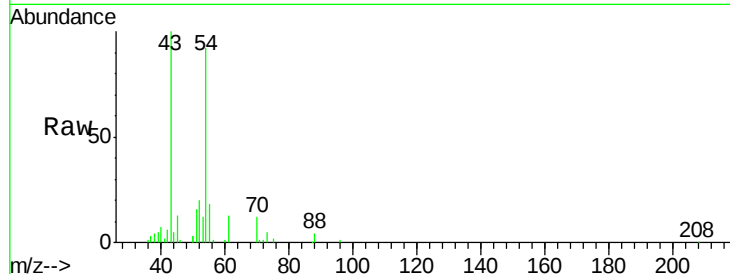
#37
Ethyl Acetate
Concen: 26.175 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	11.6	8.2	12.2

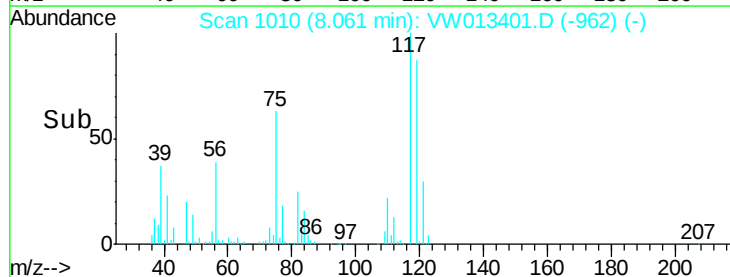
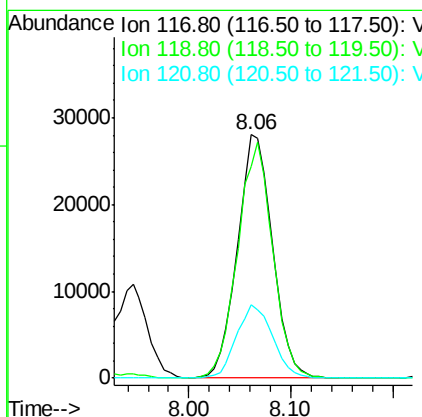
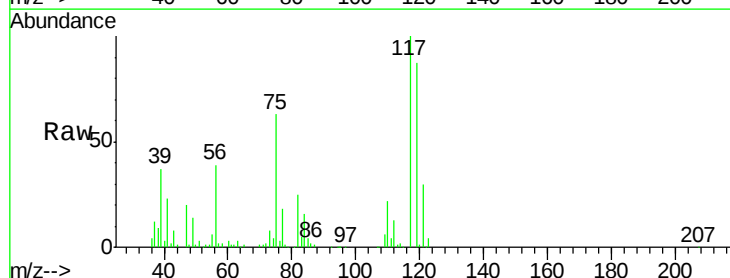
Manual Integrations
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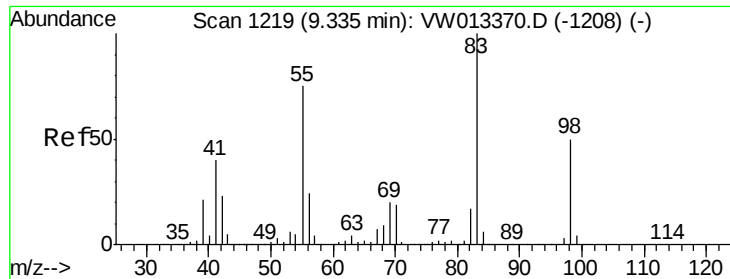
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10/4/2019 12:10:59 PM



#38
Carbon Tetrachloride
Concen: 21.925 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.0	73.5	110.3
121	30.0	25.0	37.6





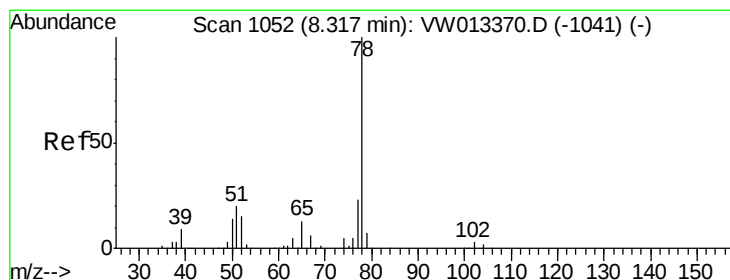
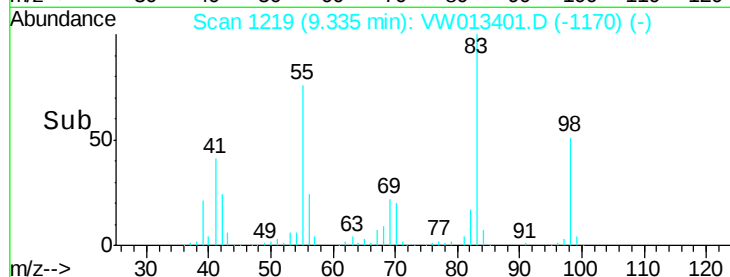
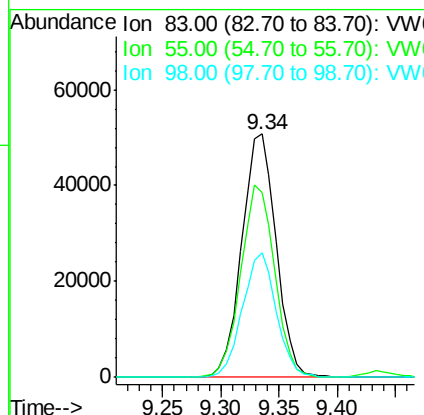
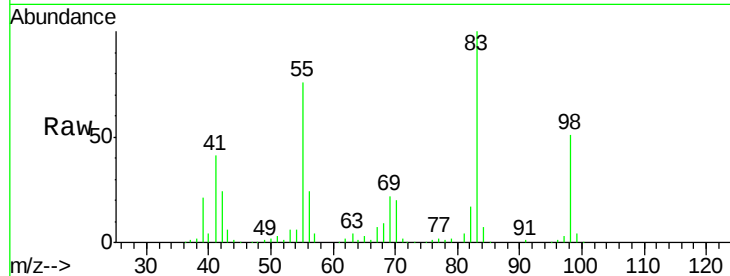
#39
Methvlcvclohexane
Concen: 22.473 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.4	90.6
98	51.3	40.0	60.0

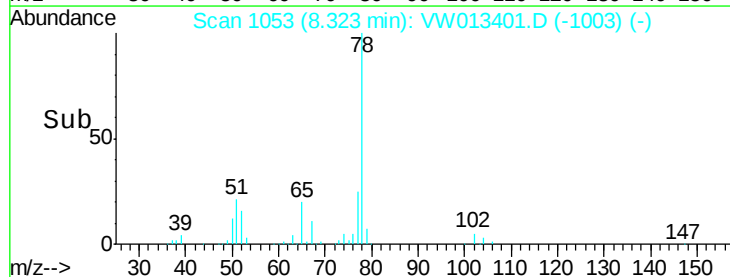
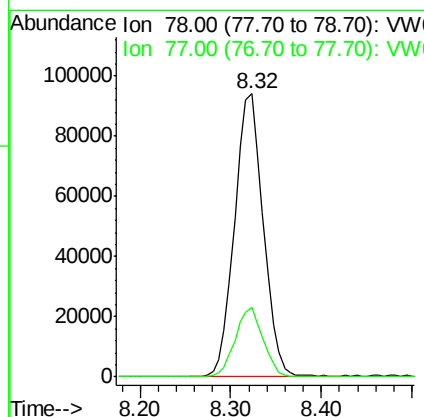
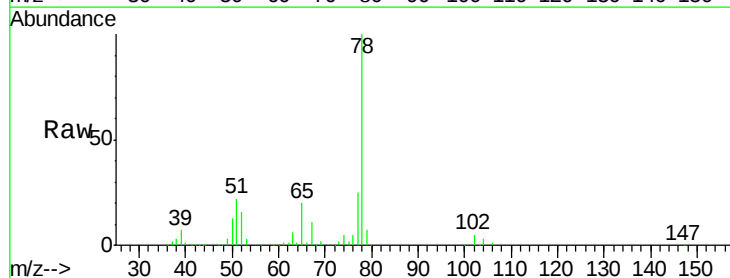
Manual Integrations
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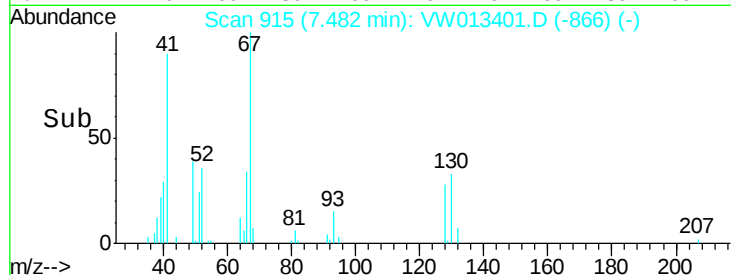
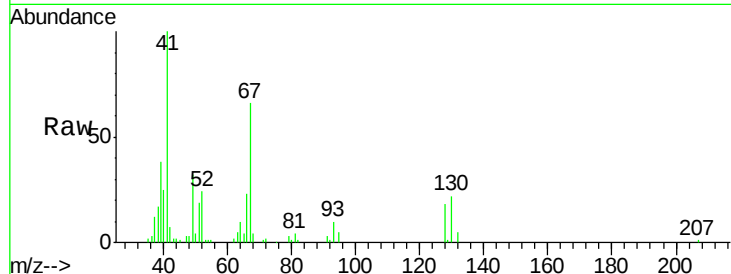
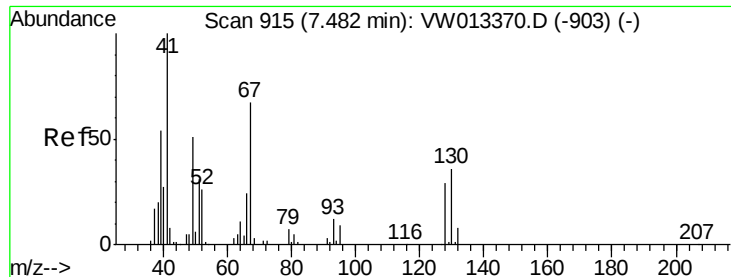
MMDadoda
10/4/2019 12:10:59 PM



#40
Benzene
Concen: 20.808 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





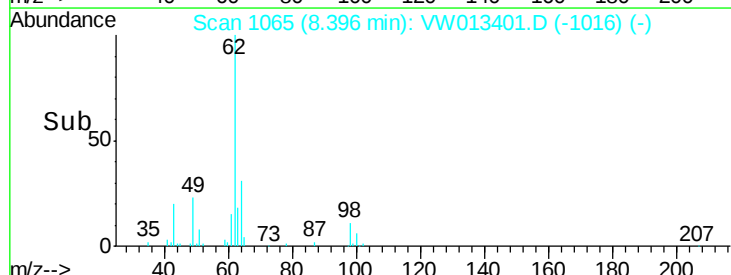
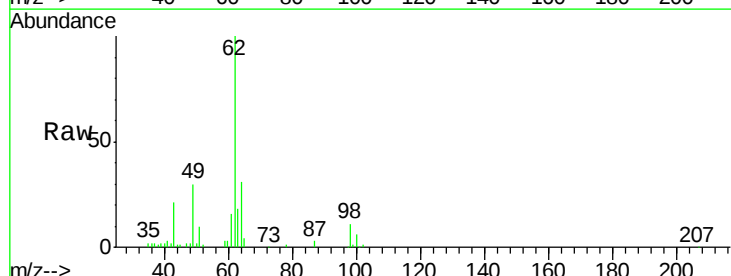
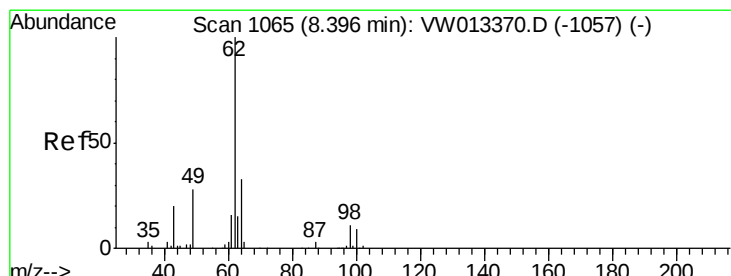
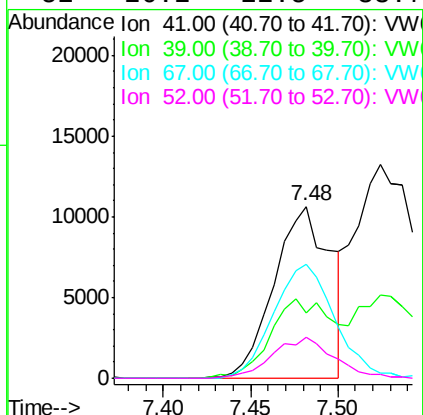
#41
Methacrylonitrile
Concen: 25.628 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	45.9	68.9	
67	71.9	54.5	81.7	
52	26.2	22.5	33.7	

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

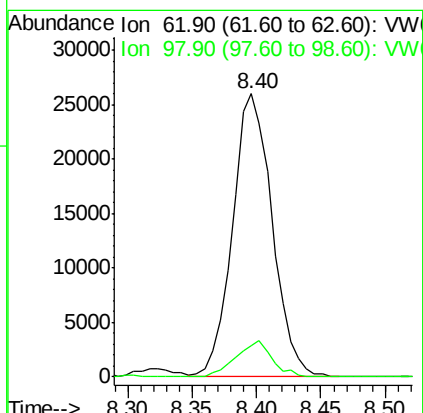
Manual Integrations
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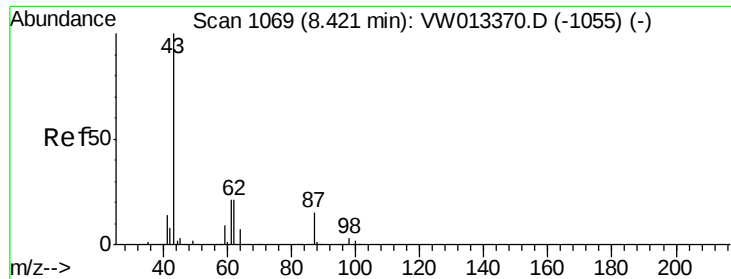
MMDadoda
10/4/2019 12:10:59 PM



#42
1,2-Dichloroethane
Concen: 21.536 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.6	0.0	20.6	





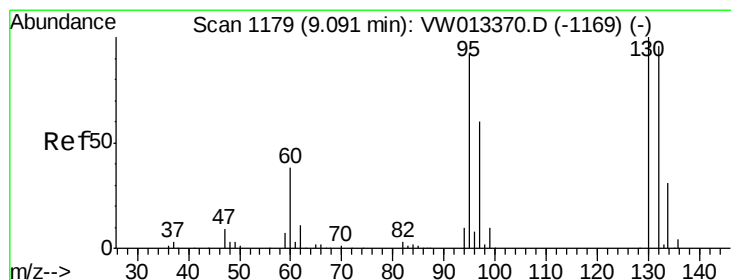
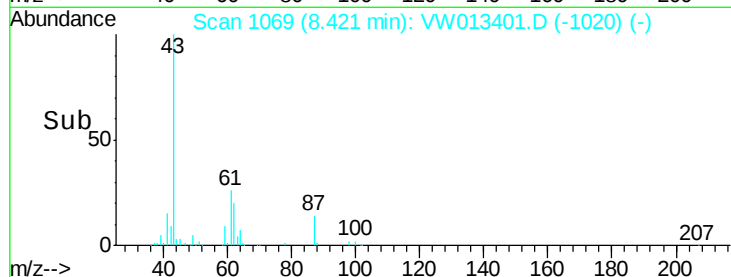
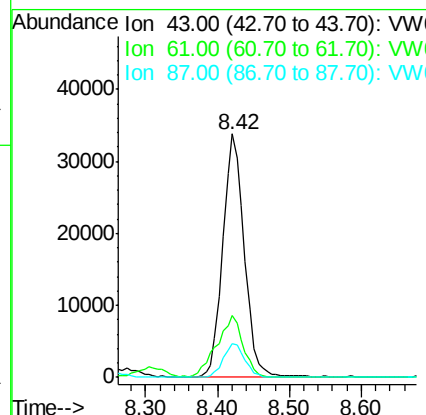
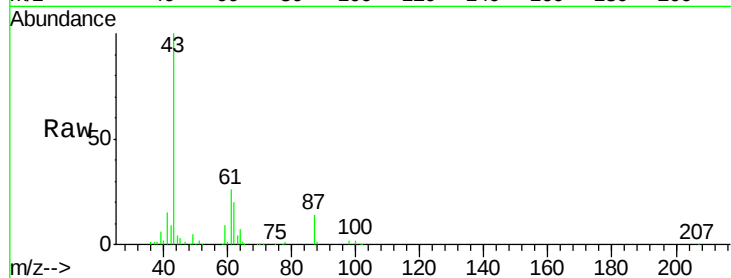
#43
Isopropyl Acetate
Concen: 23.758 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	43	Resp	69668
Ion Ratio	100	Lower	Upper
43	100		
61	31.3	25.5	38.3
87	13.9	11.0	16.4

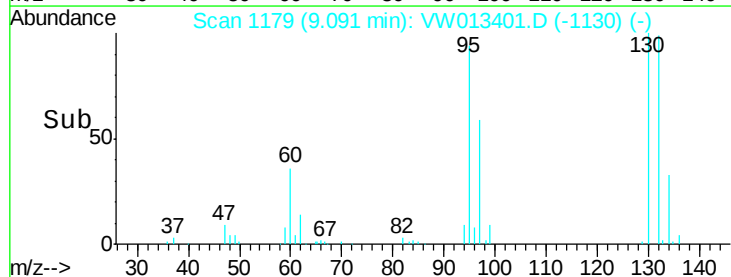
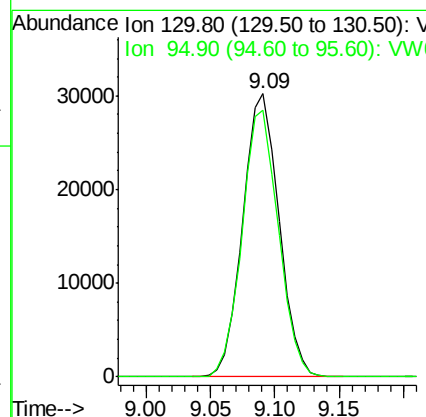
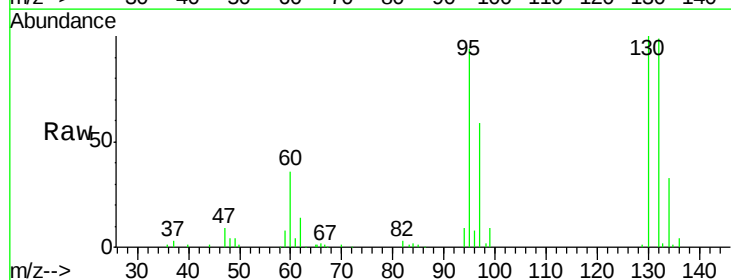
Manual Integrations
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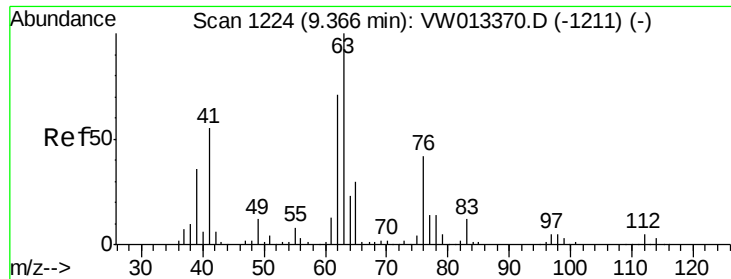
MMDadoda
10/4/2019 12:10:59 PM



#44
Trichloroethene
Concen: 20.912 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	130	Resp	58850
Ion Ratio	100	Lower	Upper
130	100		
95	94.4	0.0	188.0





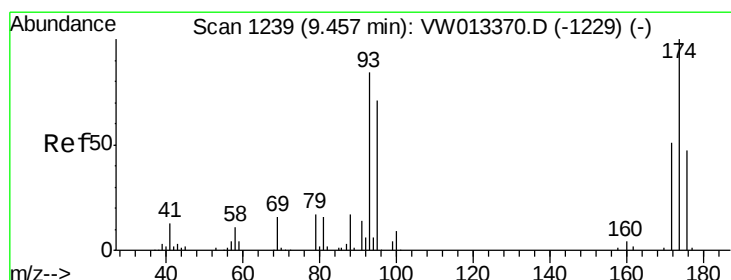
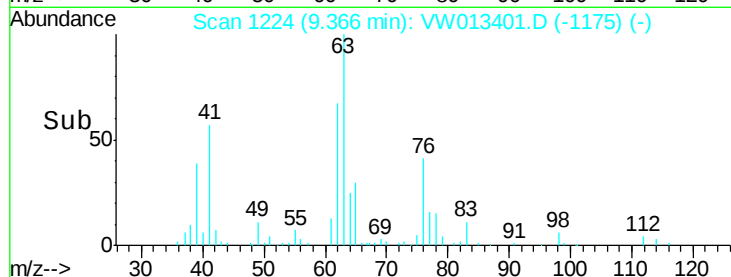
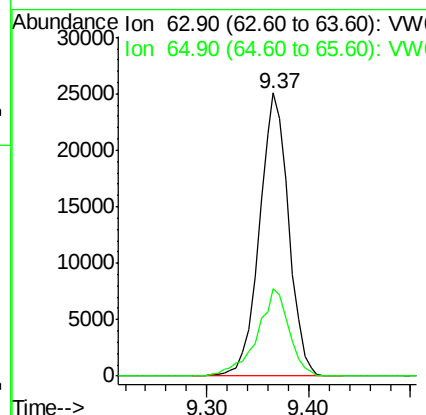
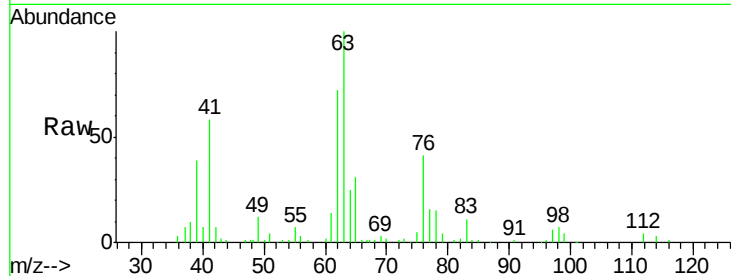
#45
 1,2-Dichloropropane
 Concen: 20.735 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Tot Ion: 63 Resp: 49753
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.3 37.9

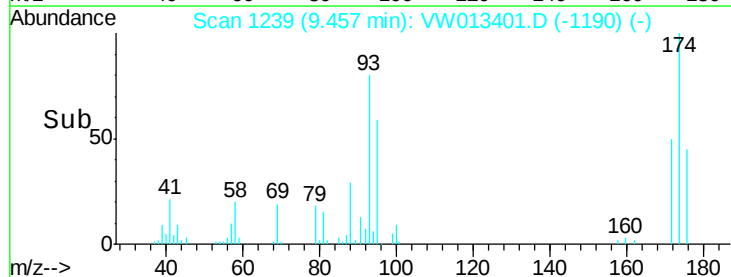
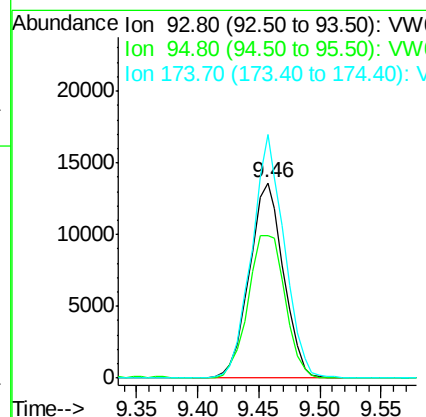
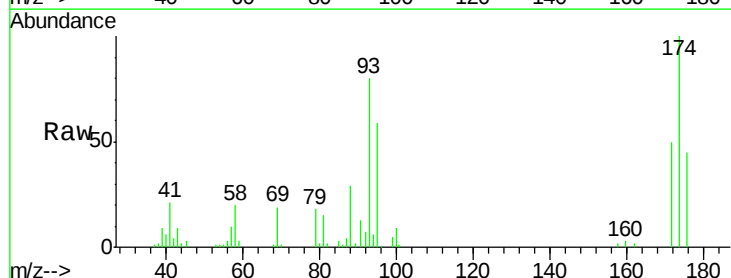
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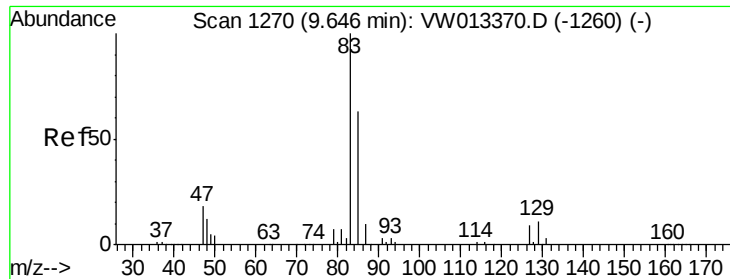
MMDadoda
 10/4/2019 12:10:59 PM



#46
 Dibromomethane
 Concen: 22.074 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion: 93 Resp: 26382
 Ion Ratio Lower Upper
 93 100
 95 79.3 66.4 99.6
 174 119.6 93.0 139.6





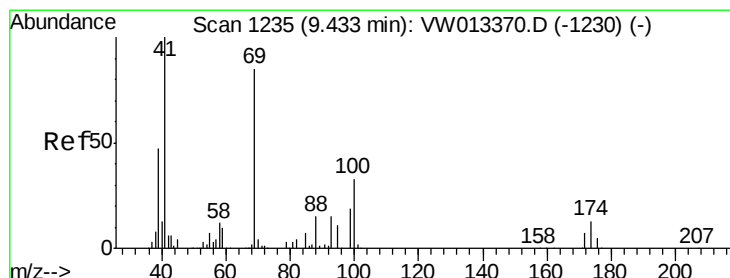
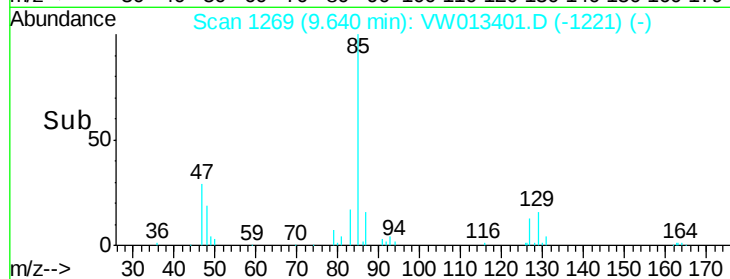
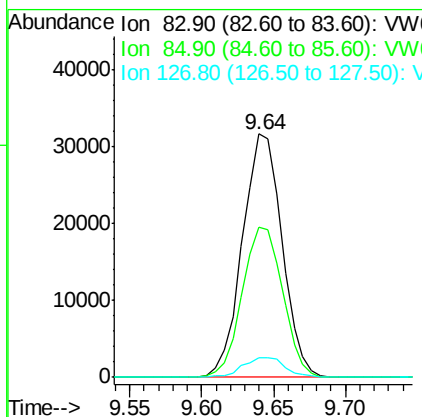
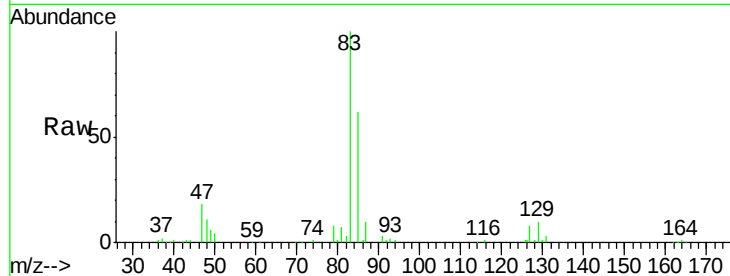
#47
Bromodichloromethane
Concen: 20.520 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	60372		
85	61.5	49.4	74.2	
127	8.1	6.5	9.7	

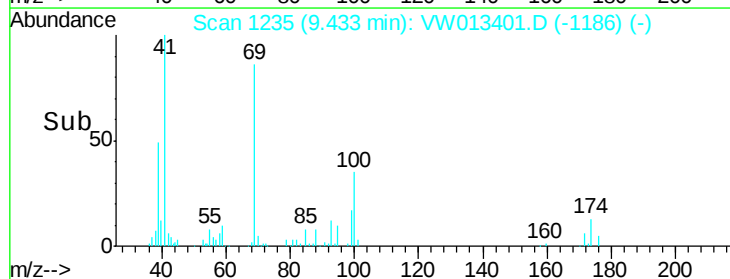
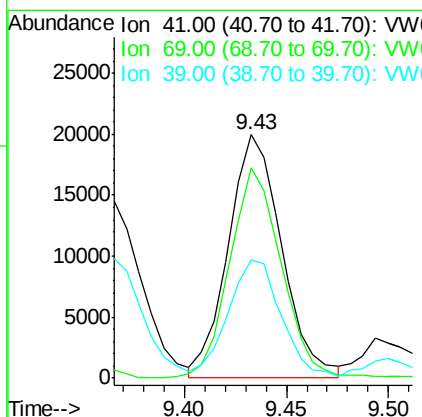
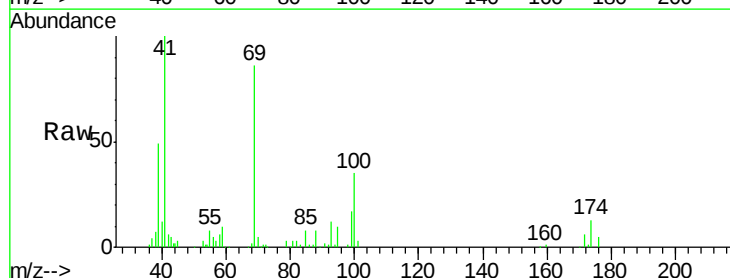
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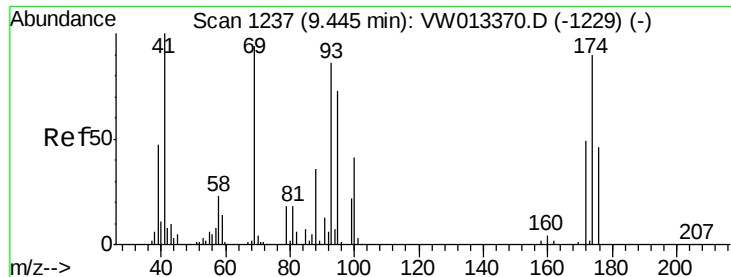
MMDadoda
10/4/2019 12:10:59 PM



#48
Methyl methacrylate
Concen: 25.831 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	36396		
69	83.8	69.7	104.5	
39	46.3	41.1	61.7	





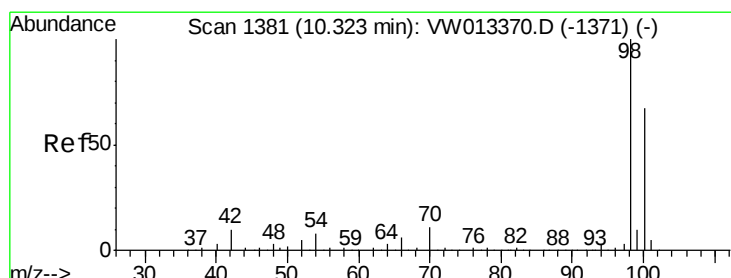
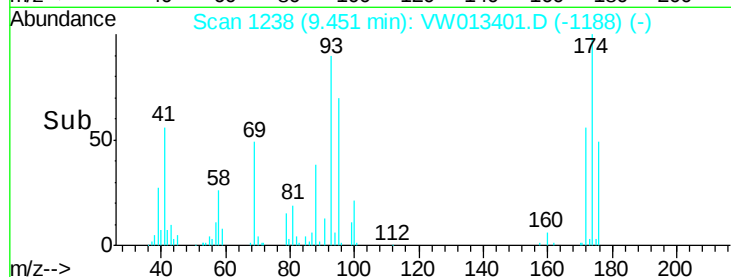
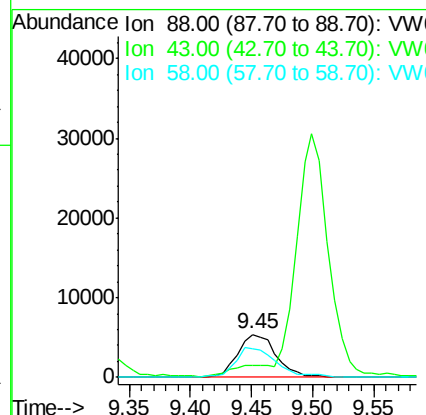
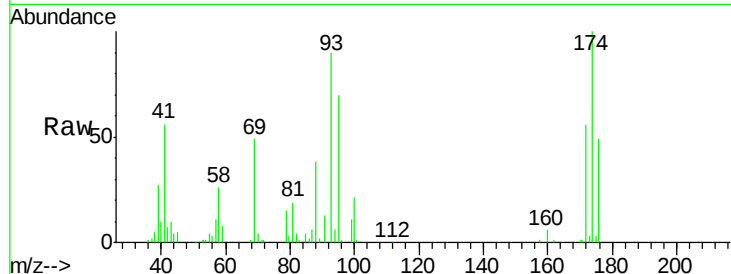
#49
1,4-Dioxane
Concen: 634.187 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	88	Resp	11829
Ion Ratio	100	Lower	Upper
88	100		
43	26.0	0.0	0.0#
58	73.8	65.4	98.0

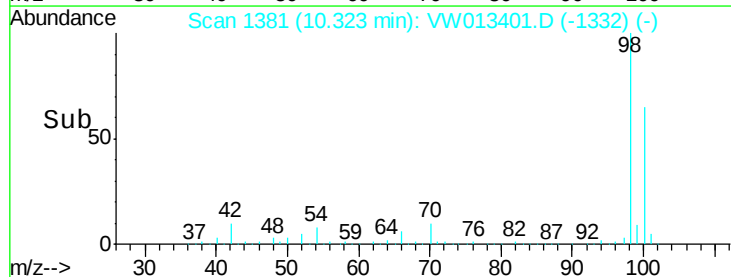
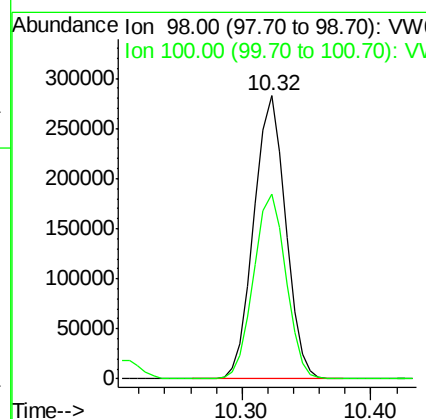
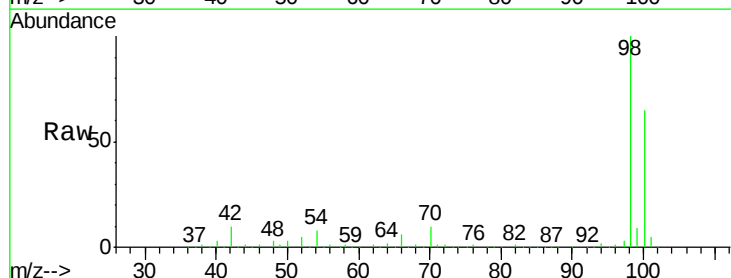
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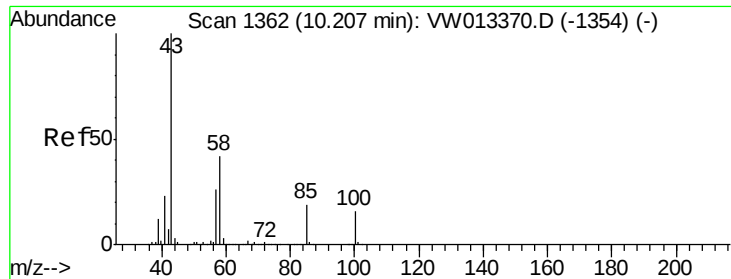
MMDadoda
10/4/2019 12:10:59 PM



#50
Toluene-d8
Concen: 58.322 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	98	Resp	482700
Ion Ratio	100	Lower	Upper
98	100		
100	66.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 129.114 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion: 43 Resp: 198926

Ion Ratio Lower Upper

43 100

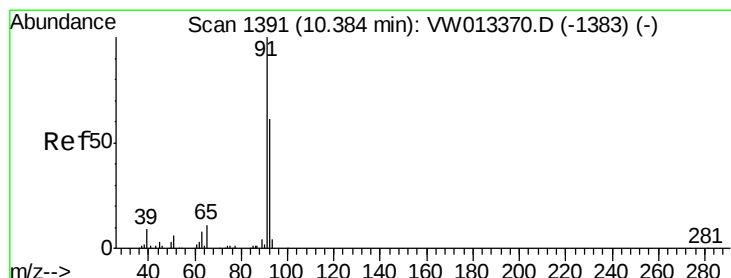
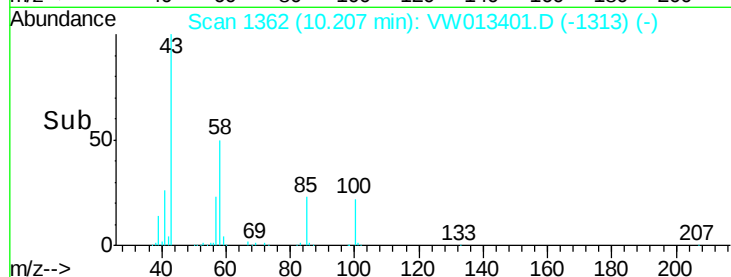
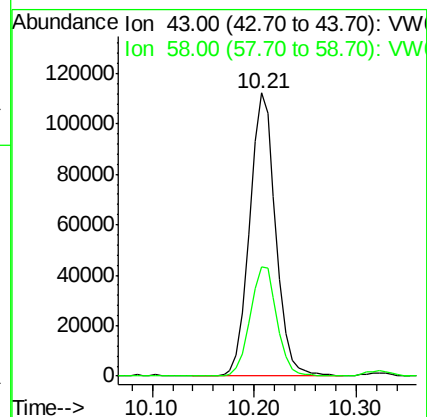
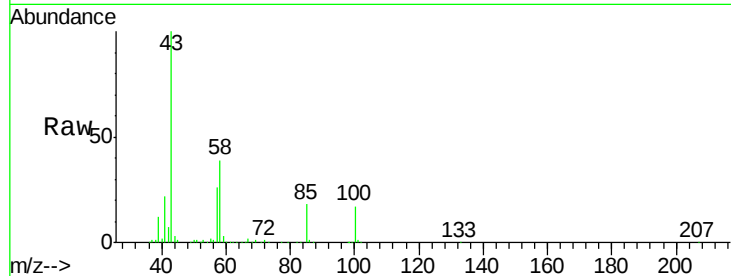
58 39.9 31.7 47.5

Manual Integrations

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10/4/2019 12:10:59 PM



#52

Toluene

Concen: 20.694 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013401.D

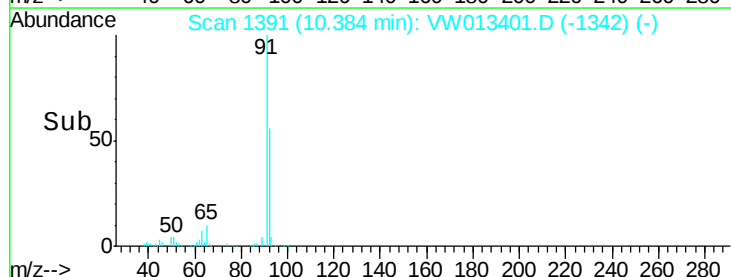
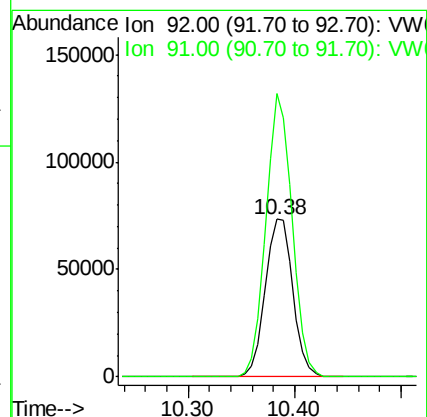
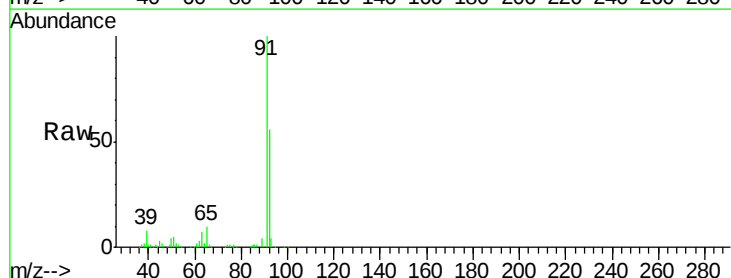
Acq: 03 Oct 2019 03:18

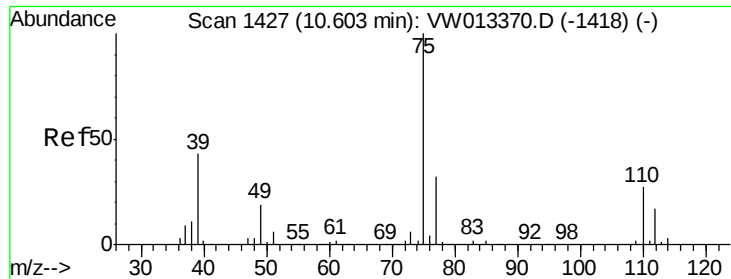
Tgt Ion: 92 Resp: 133388

Ion Ratio Lower Upper

92 100

91 170.5 135.7 203.5





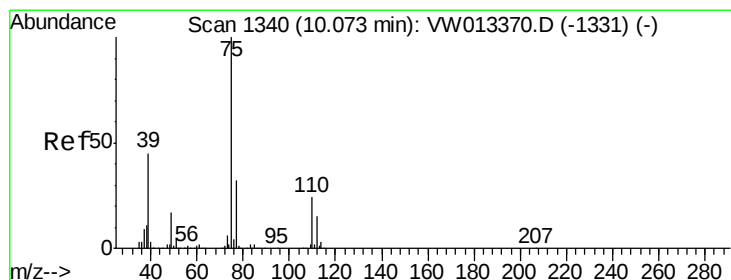
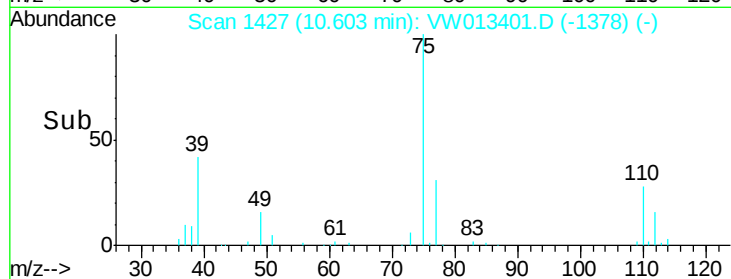
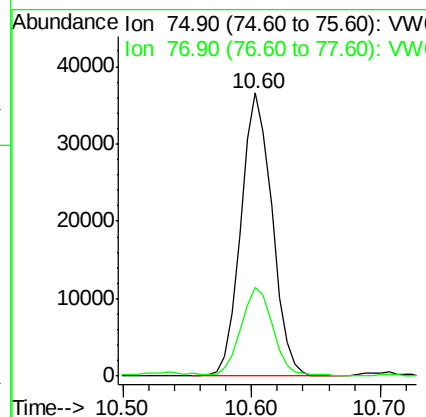
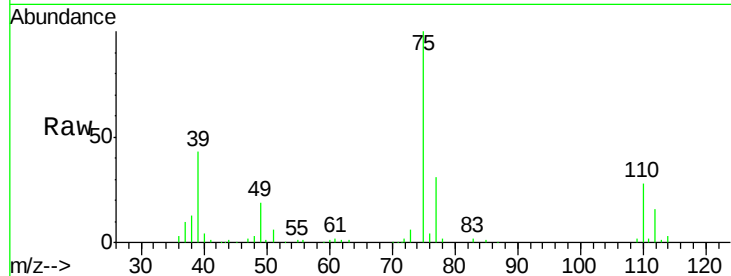
#53
t-1,3-Dichloropropene
Concen: 20.068 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion: 75 Resp: 61413
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3

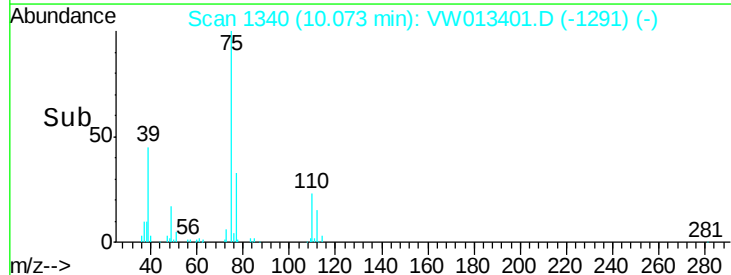
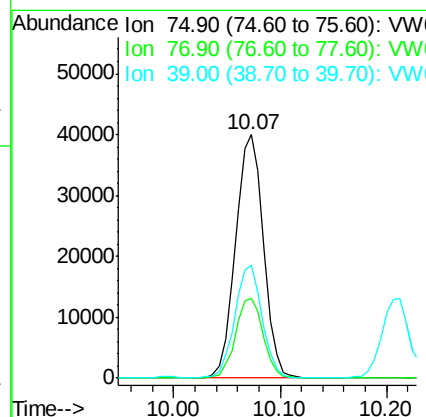
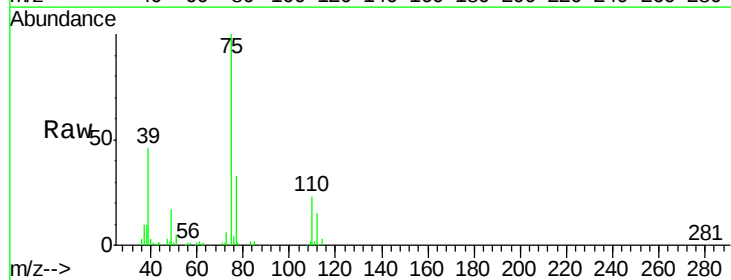
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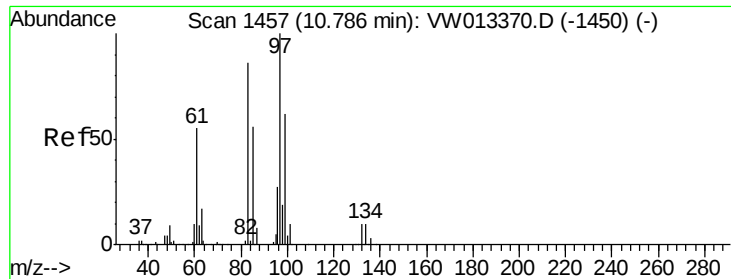
MMDadoda
10/4/2019 12:10:59 PM



#54
cis-1,3-Dichloropropene
Concen: 19.809 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 75 Resp: 73500
Ion Ratio Lower Upper
75 100
77 33.0 25.2 37.8
39 46.2 36.6 55.0





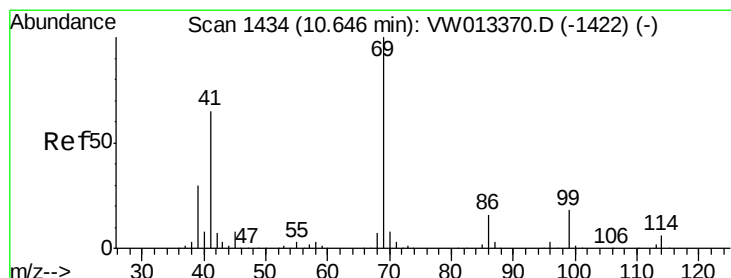
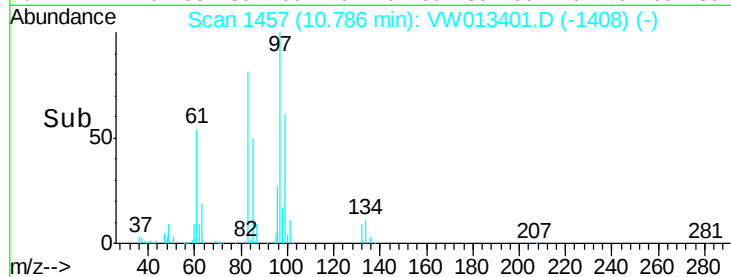
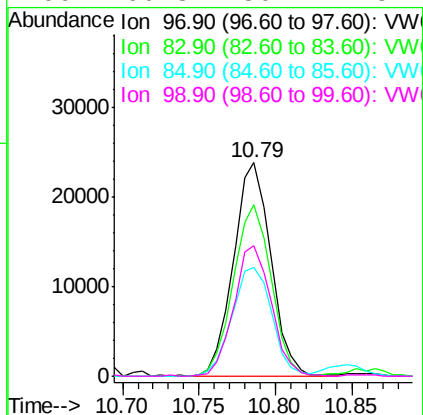
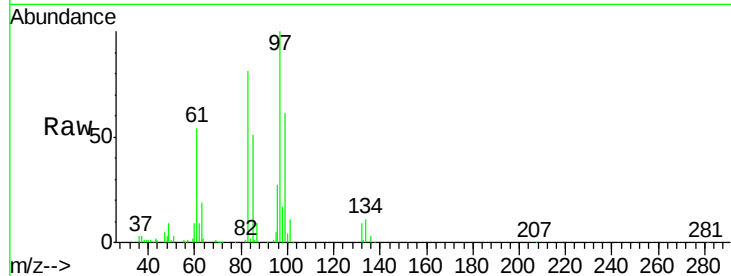
#55
 1,1,2-Trichloroethane
 Concen: 22.738 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Tot Ion:	97	Resp:	40539
Ion	Ratio	Lower	Upper
97	100		
83	80.5	67.6	101.4
85	50.9	41.9	62.9
99	60.8	50.1	75.1

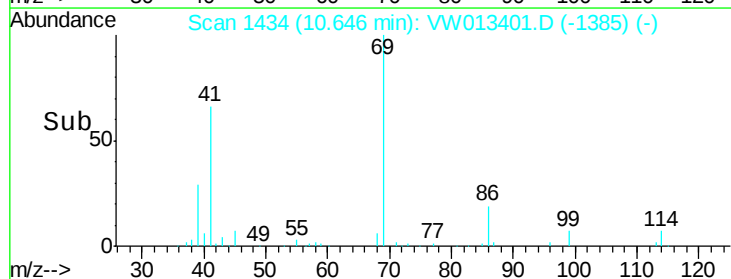
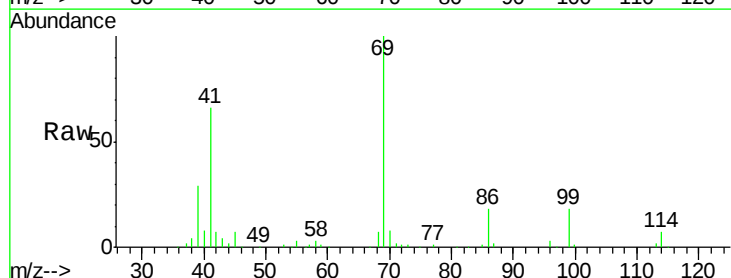
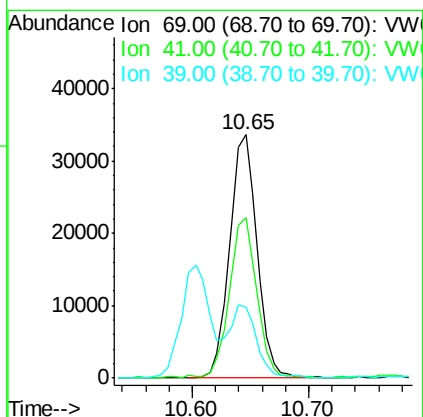
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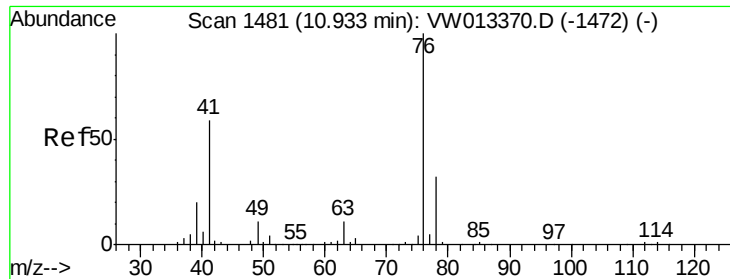
MMDadoda
 10/4/2019 12:10:59 PM



#56
 Ethyl methacrylate
 Concen: 23.092 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion:	69	Resp:	55415
Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.9	80.9
39	27.1	23.8	35.6





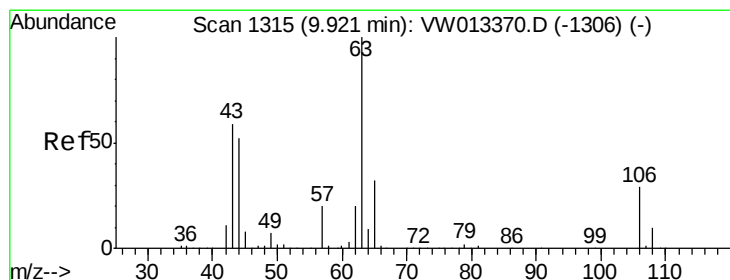
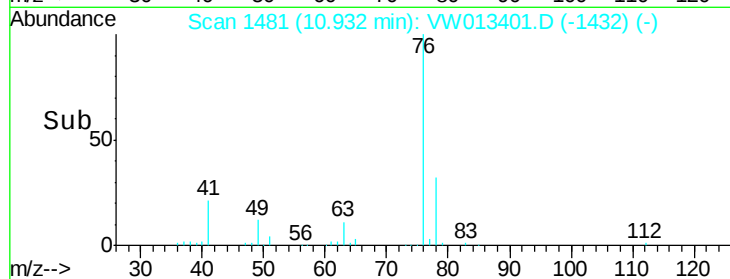
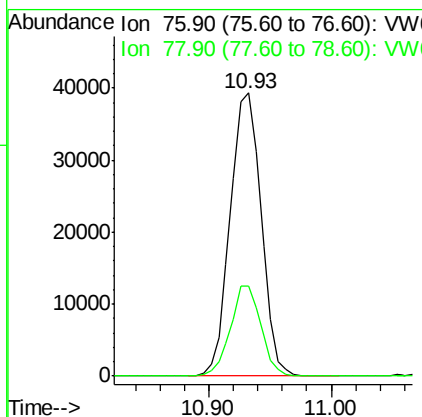
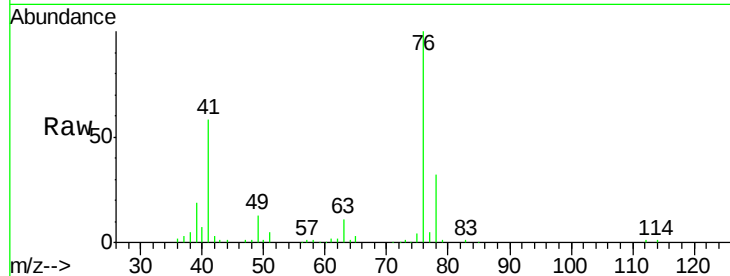
#57
 1,3-Dichloropropane
 Concen: 22.256 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Tot Ion: 76 Resp: 68982
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.5 38.3

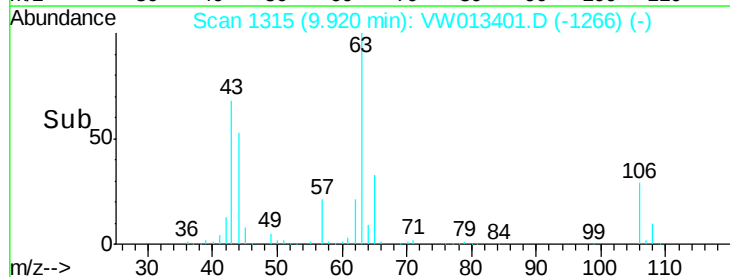
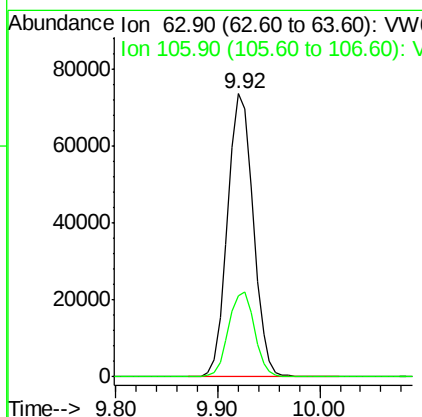
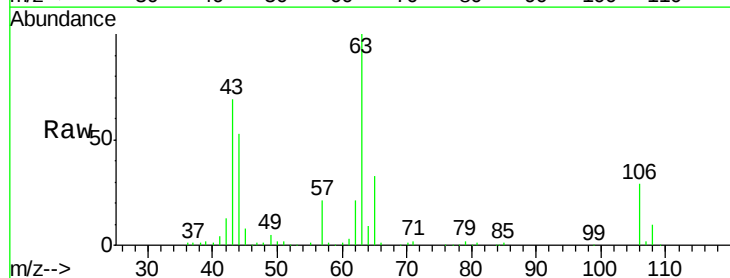
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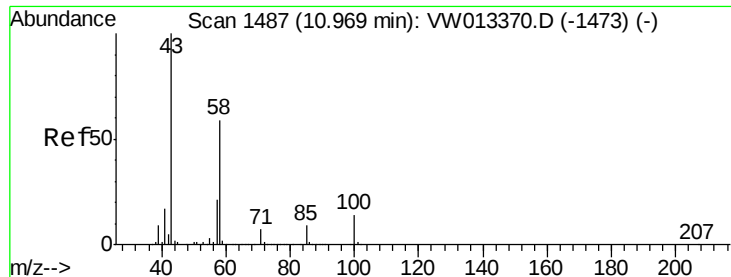
MMDadoda
 10/4/2019 12:10:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 130.161 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion: 63 Resp: 128307
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.4 35.0





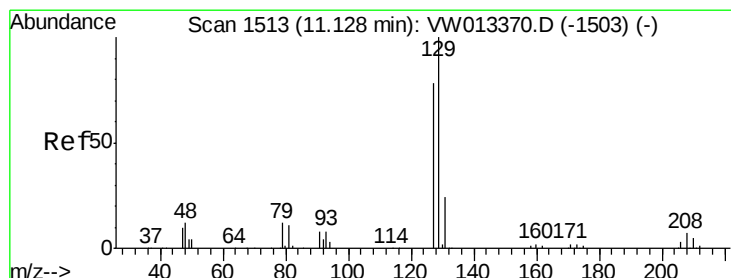
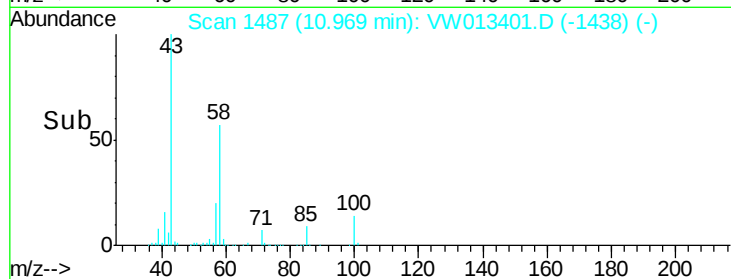
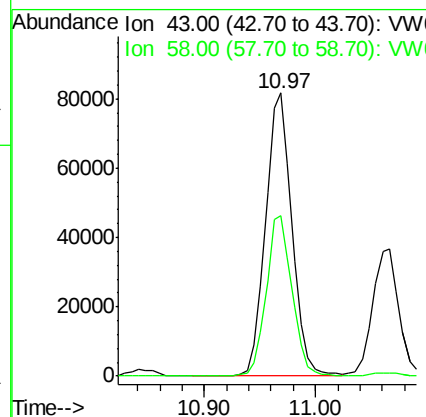
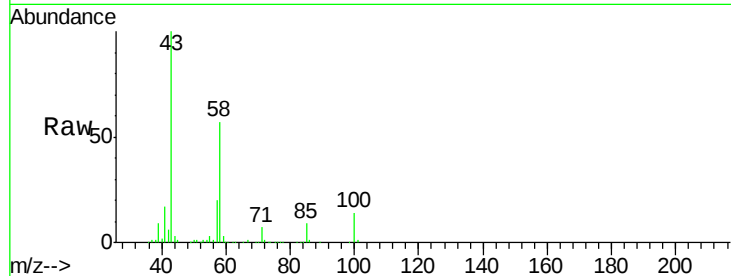
#59
2-Hexanone
Concen: 126.984 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	43	Resp	135607
Ion Ratio	100	Lower	Upper
58	55.5	28.1	84.2

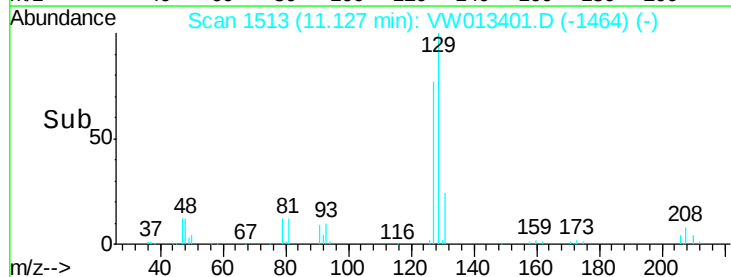
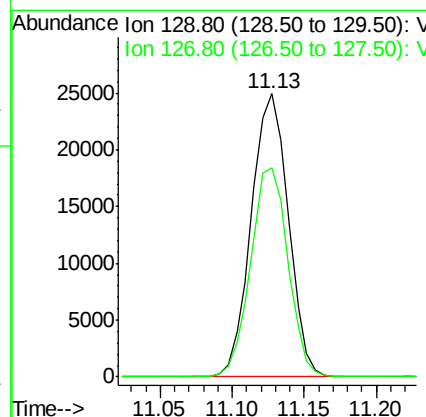
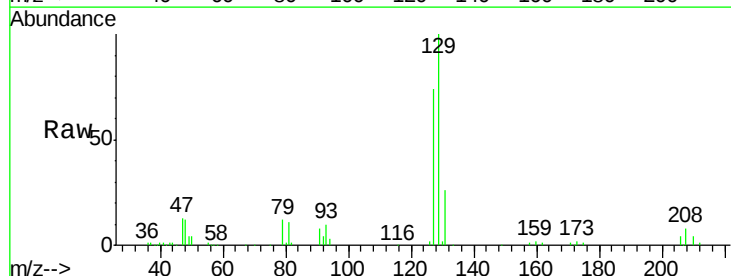
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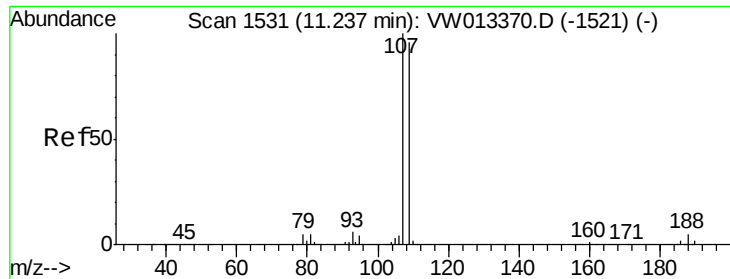
MMDadoda
10/4/2019 12:10:59 PM



#60
Dibromochloromethane
Concen: 21.679 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	129	Resp	44218
Ion Ratio	100	Lower	Upper
127	74.5	38.8	116.4





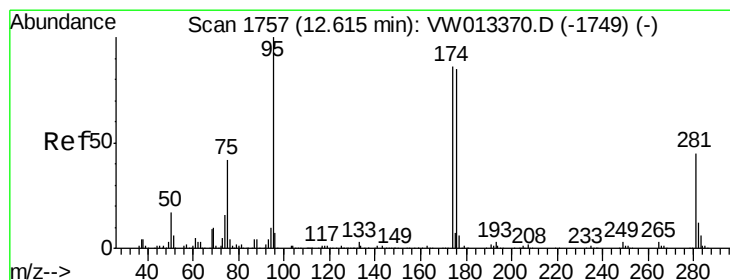
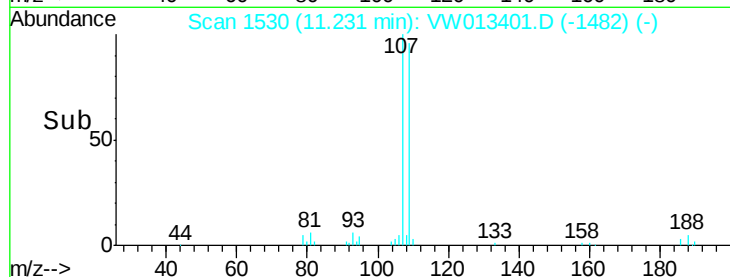
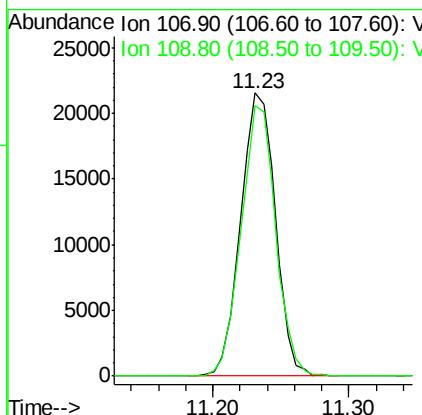
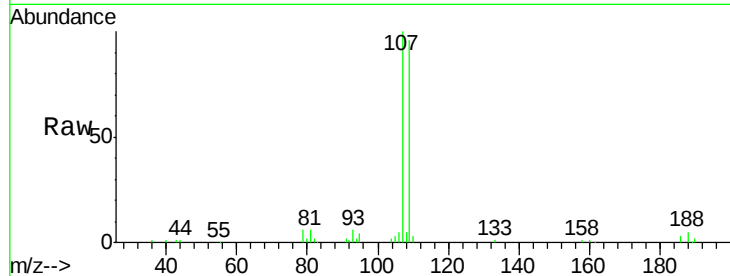
#61
1,2-Dibromoethane
Concen: 22.349 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.2	112.8

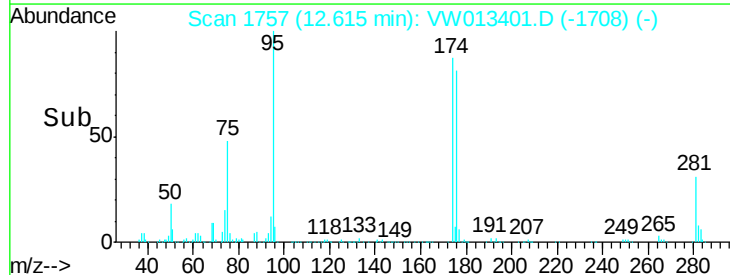
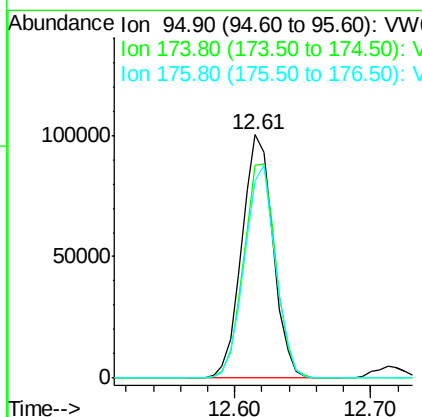
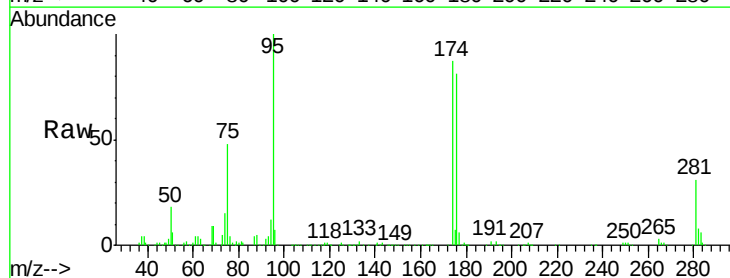
Manual Integrations
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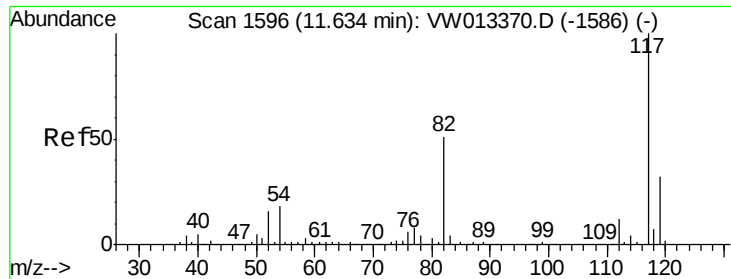
MMDadoda
10/4/2019 12:10:59 PM



#62
4-Bromofluorobenzene
Concen: 58.372 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	178.4
176	87.1	0.0	172.2





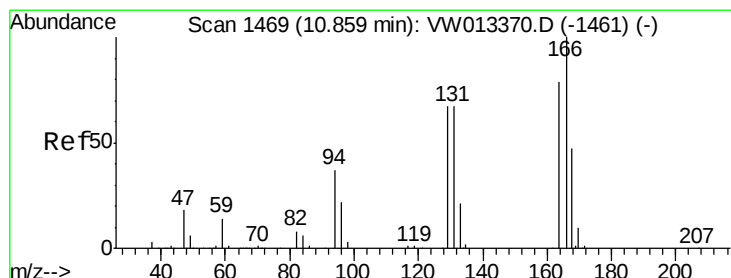
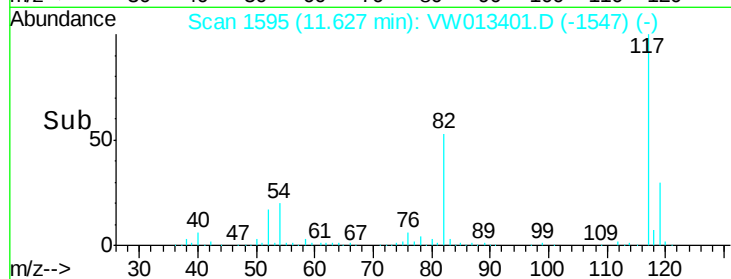
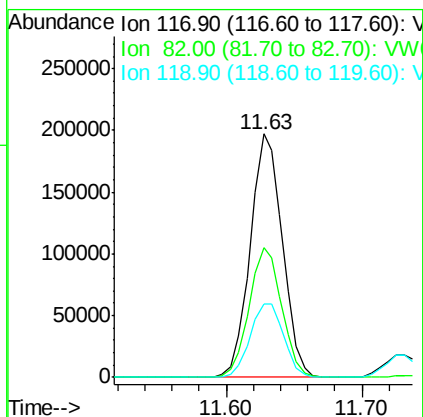
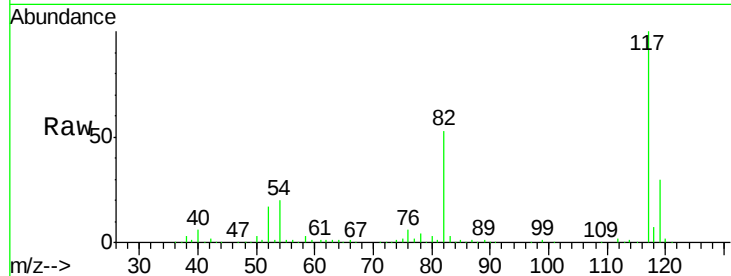
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.9	68.9
119	30.4	26.2	39.2

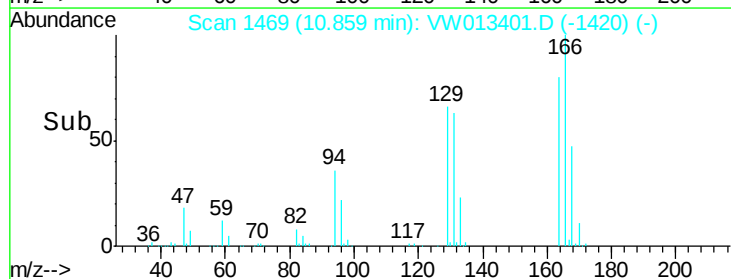
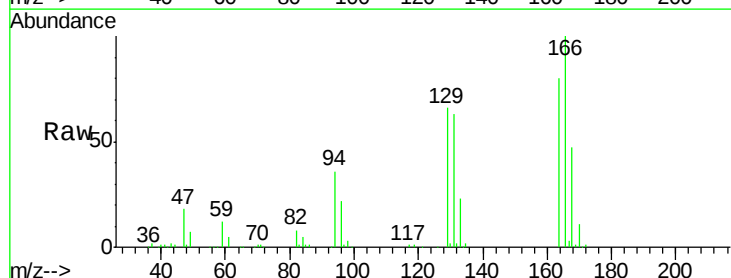
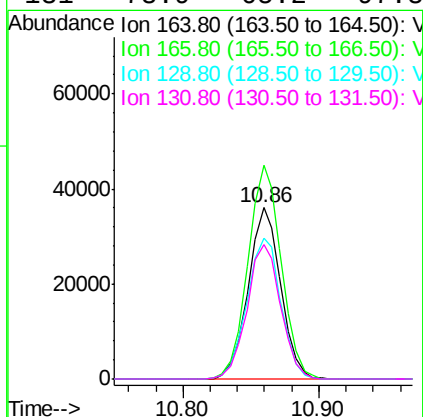
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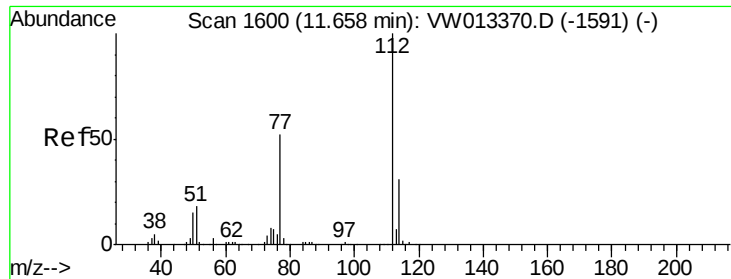
MMDadoda
10/4/2019 12:10:59 PM



#64
Tetrachloroethene
Concen: 24.298 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	101.2	151.8
129	82.6	68.8	103.2
131	78.9	65.2	97.8





#65

Chlorobenzene

Concen: 20.610 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion:112 Resp: 138012

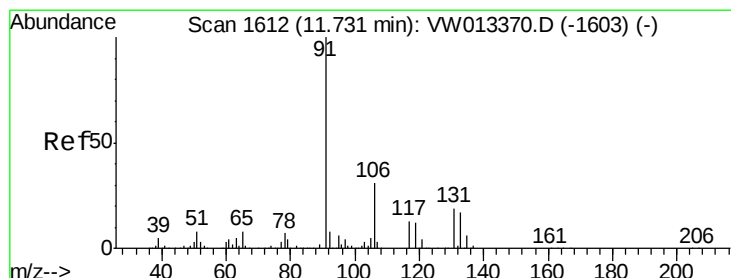
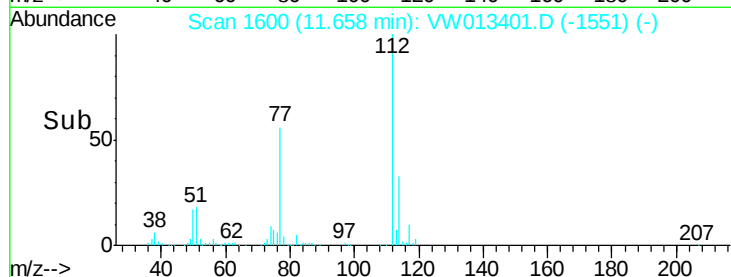
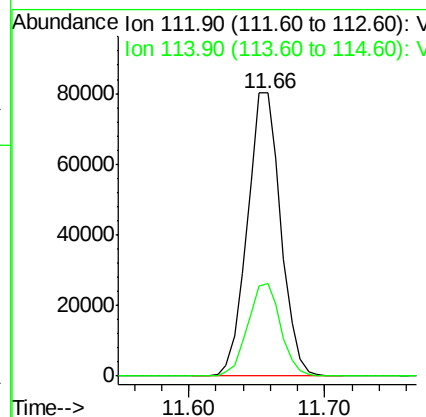
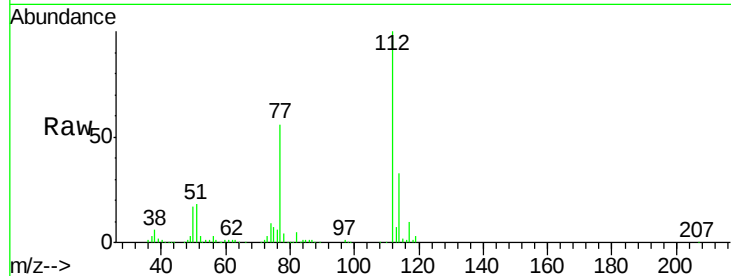
Ion Ratio Lower Upper

112 100

114 32.8 26.5 39.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.650 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

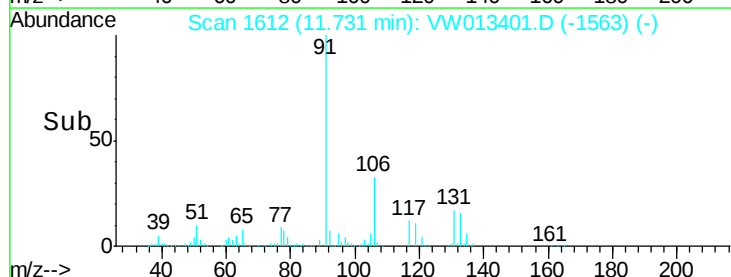
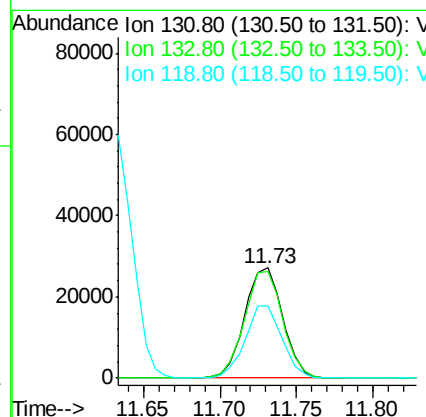
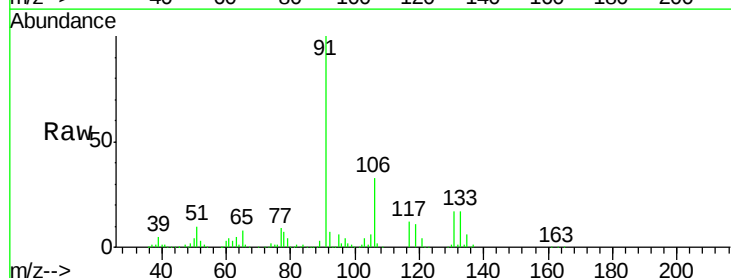
Tgt Ion:131 Resp: 47098

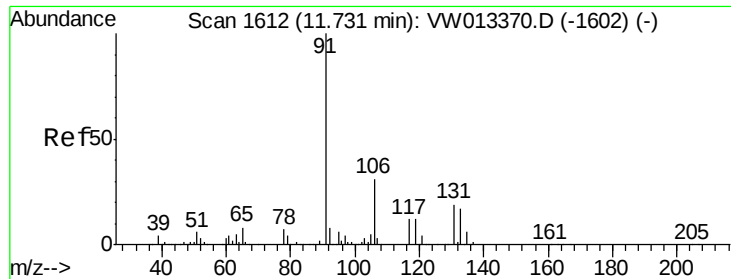
Ion Ratio Lower Upper

131 100

133 96.9 47.5 142.6

119 63.8 32.5 97.5





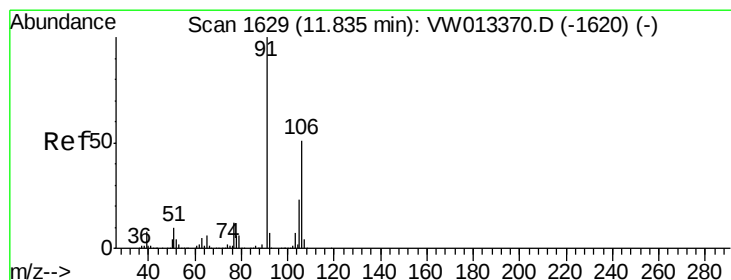
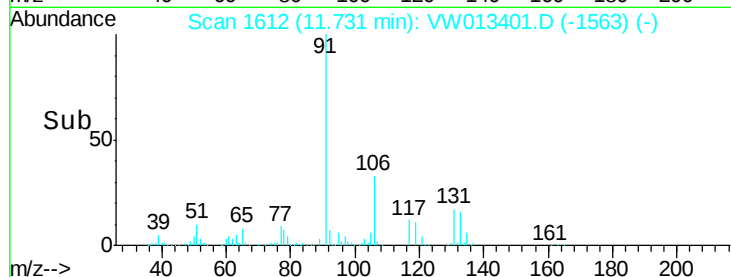
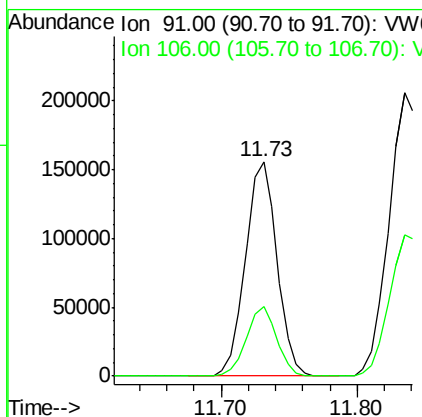
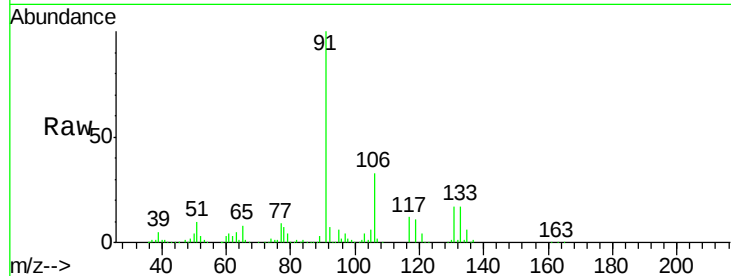
#67
Ethyl Benzene
Concen: 21.065 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion: 91 Resp: 252813
Ion Ratio Lower Upper
91 100
106 32.6 24.9 37.3

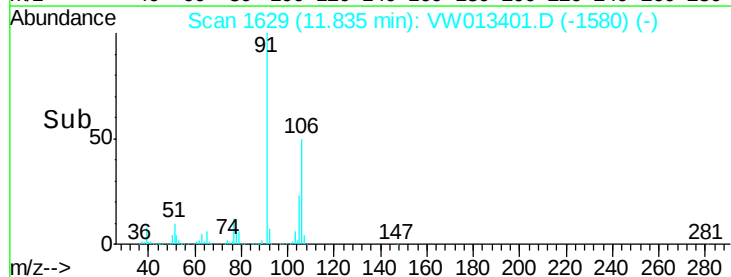
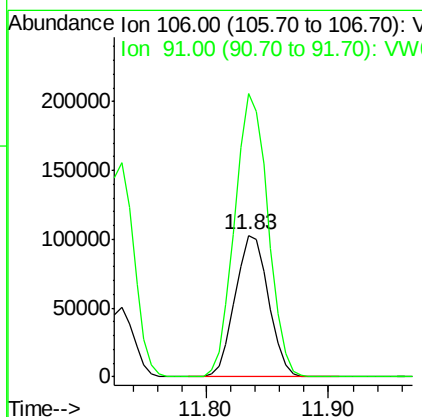
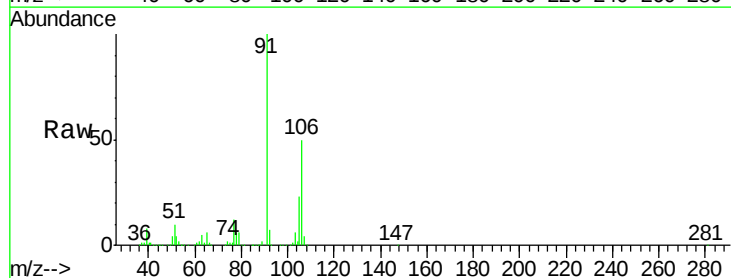
Manual Integrations
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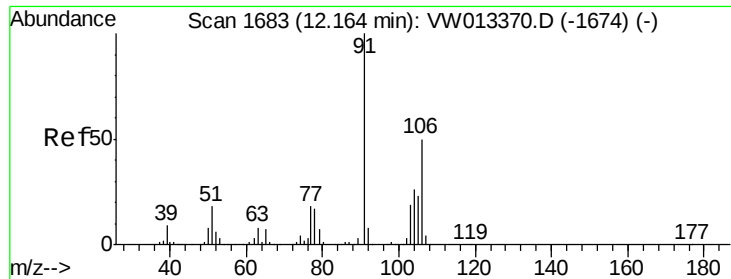
MMDadoda
10/4/2019 12:10:59 PM



#68
m/p-Xylenes
Concen: 42.044 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion: 106 Resp: 194771
Ion Ratio Lower Upper
106 100
91 199.3 157.9 236.9





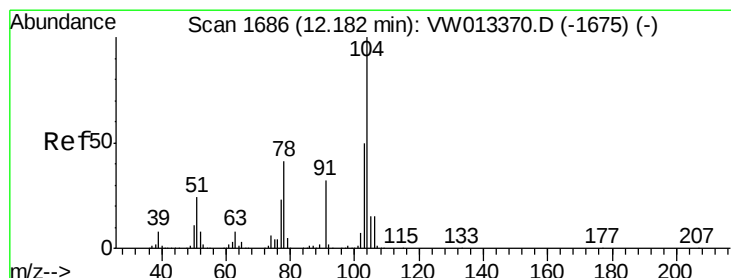
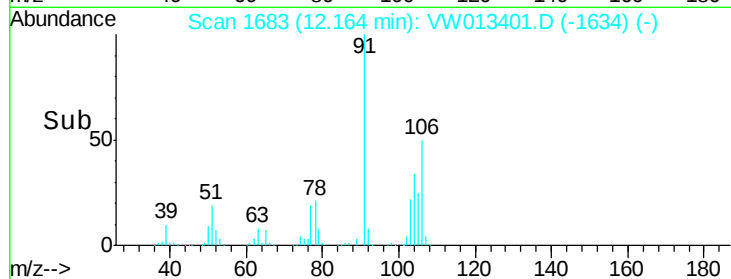
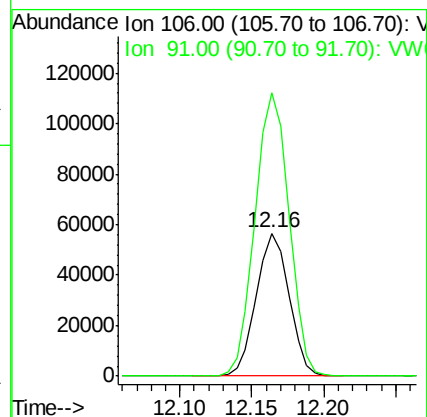
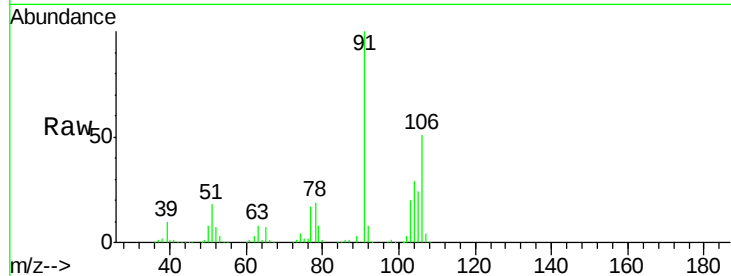
#69
o-Xylene
Concen: 20.732 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion:106 Resp: 88800
Ion Ratio Lower Upper
106 100
91 206.2 106.5 319.5

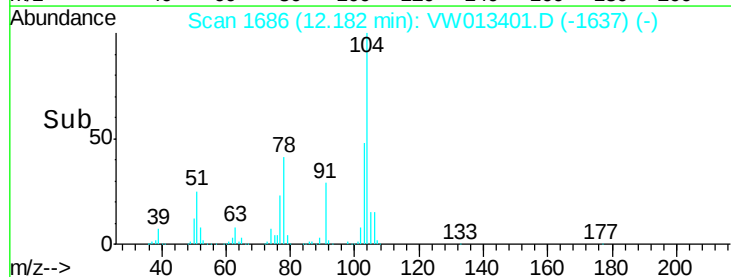
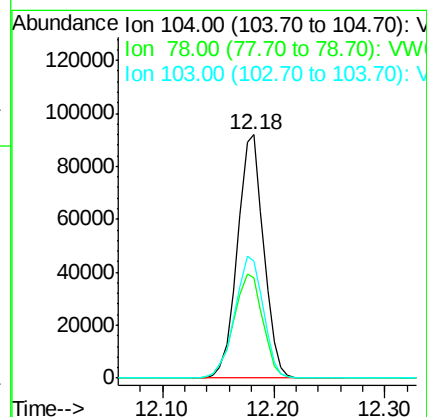
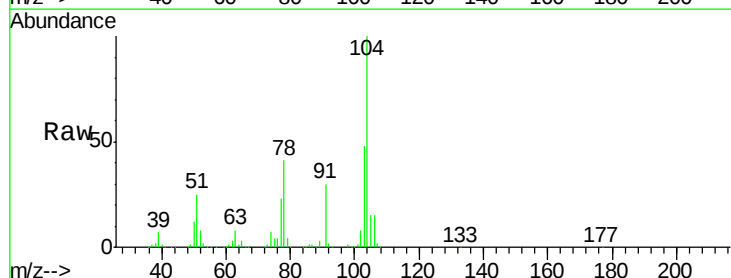
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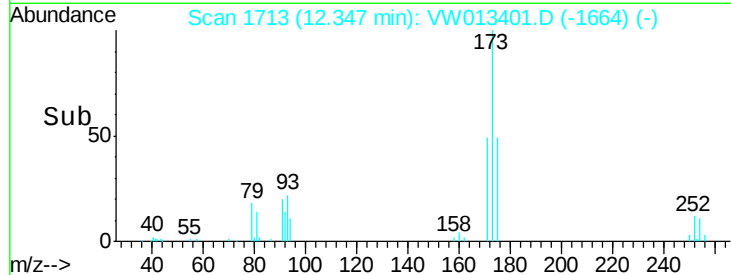
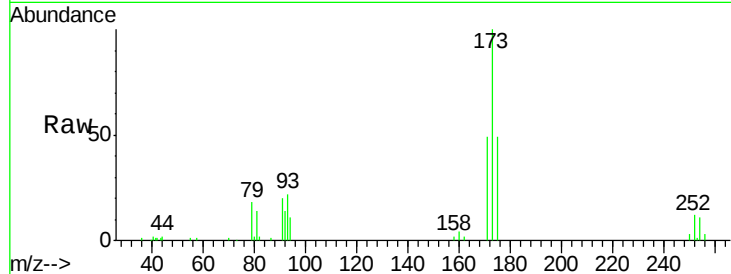
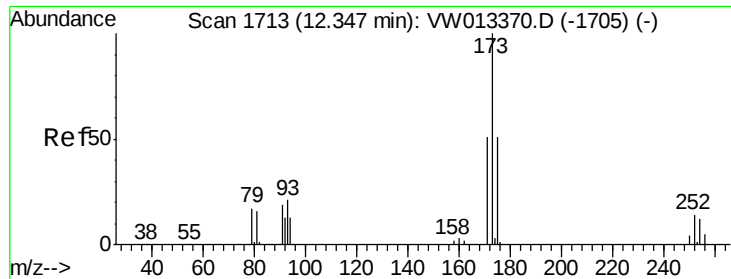
MMDadoda
10/4/2019 12:10:59 PM



#70
Styrene
Concen: 20.467 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion:104 Resp: 149856
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 54.5 43.3 64.9





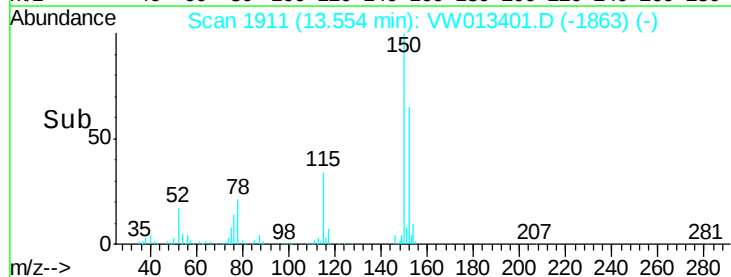
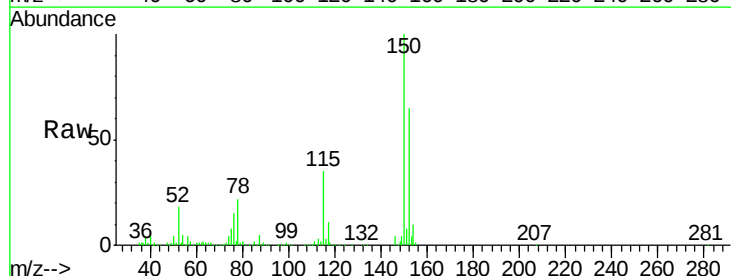
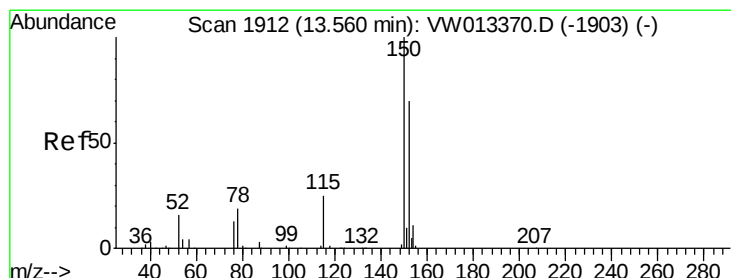
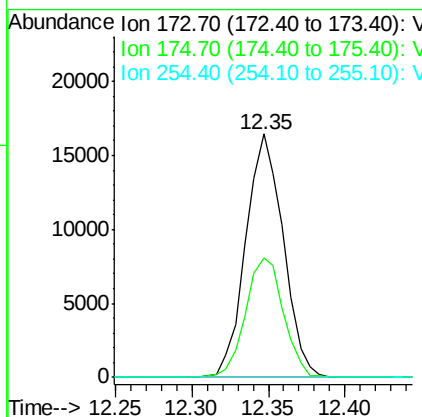
#71
Bromoform
Concen: 22.624 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	73.0
254	0.0	0.1	0.1

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

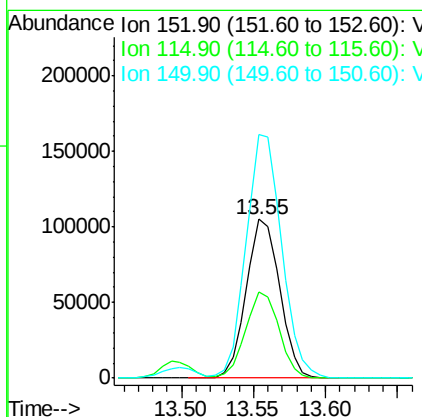
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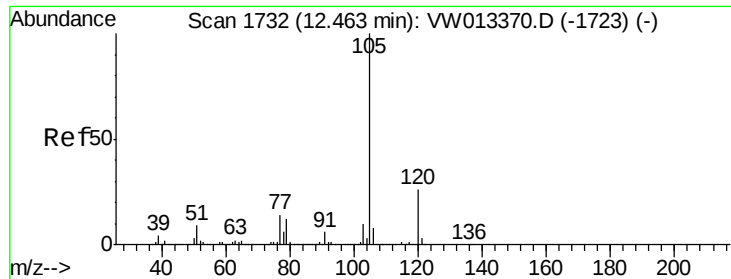
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.3	81.9
150	163.4	0.0	349.0





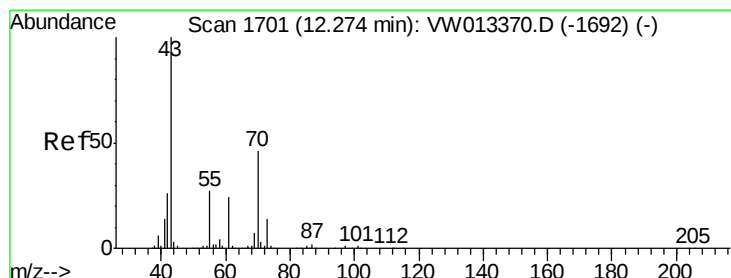
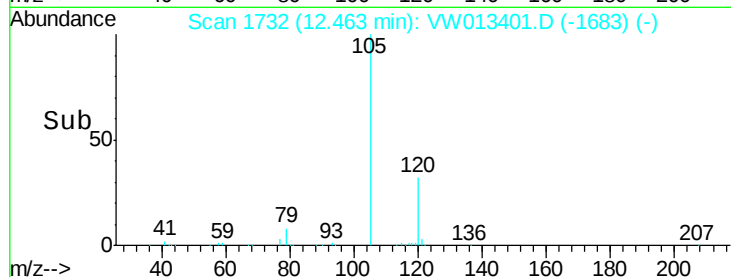
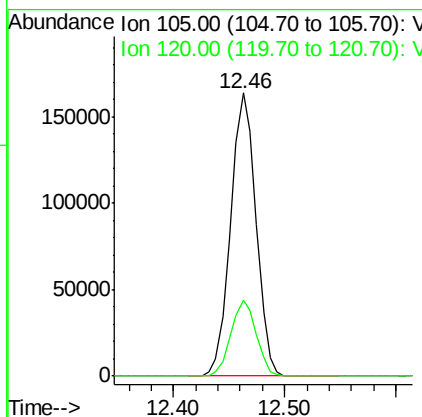
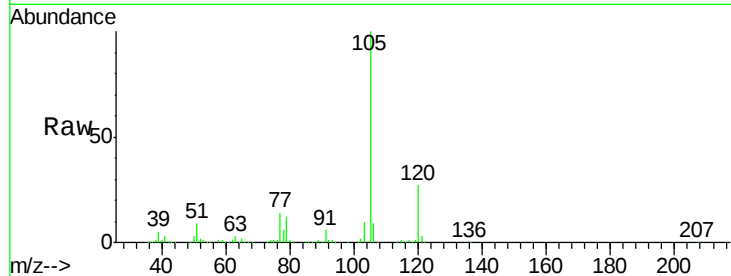
#73
Isopropylbenzene
Concen: 20.947 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	258213		
120	26.9	13.4	40.1	

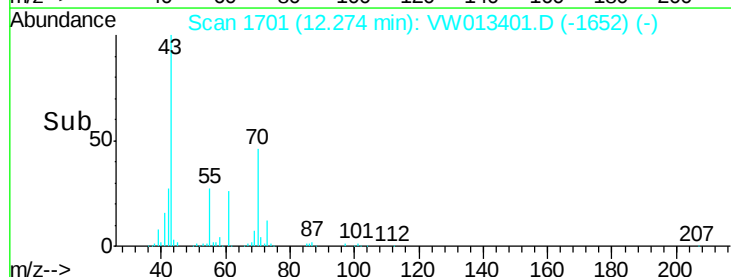
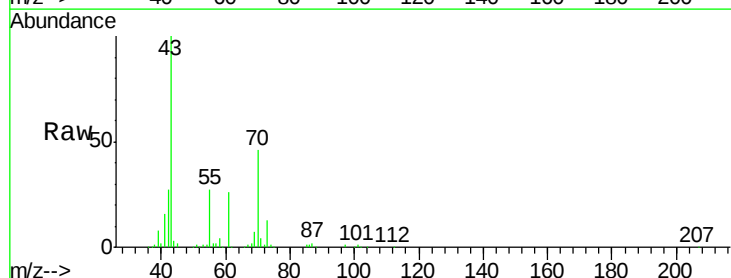
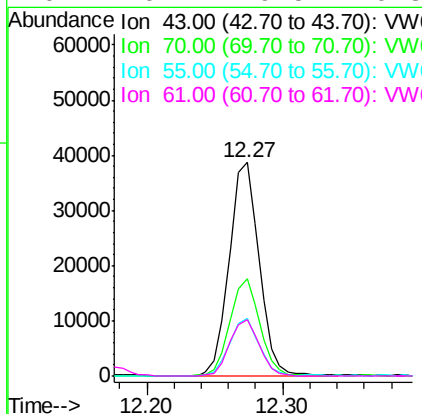
Manual Integrations
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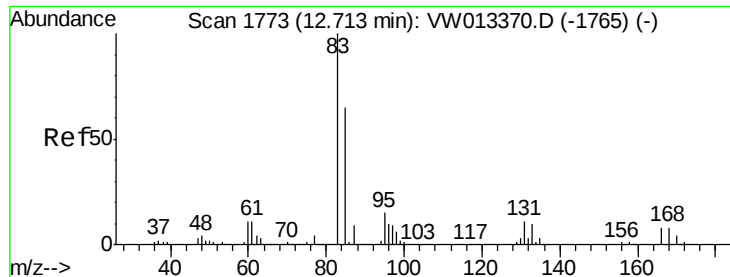
MMDadoda
10/4/2019 12:10:59 PM



#74
N-ethyl acetate
Concen: 22.672 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	59479		
70	45.8	35.1	52.7	
55	27.1	19.9	29.9	
61	26.1	19.5	29.3	





#75

1,1,2,2-Tetrachloroethane

Concen: 23.543 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

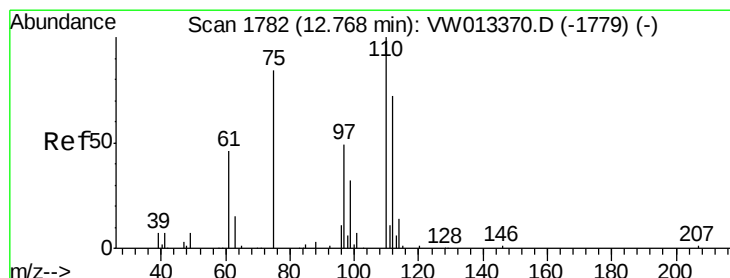
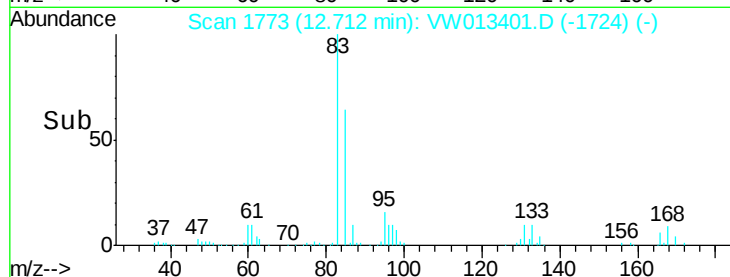
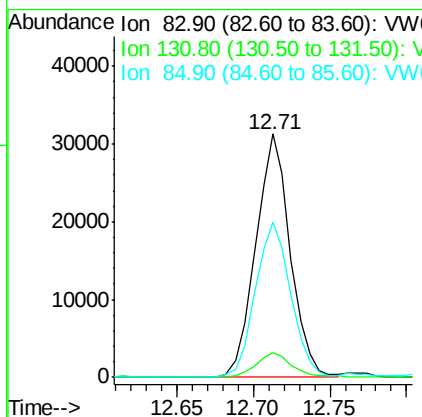
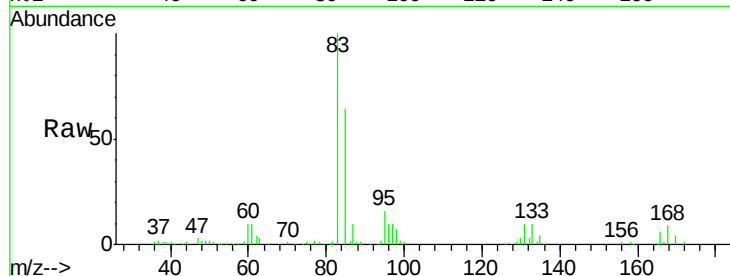
ClientSampleId :

VW1002SBS02

Tot Ion:	83	Resp:	49121
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	65.5	31.9	95.9

Manual Integrations
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10/4/2019 12:10:59 PM



#76

1,2,3-Trichloropropane

Concen: 22.048 ug/l m

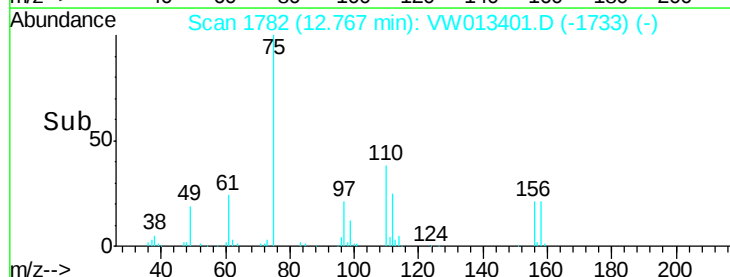
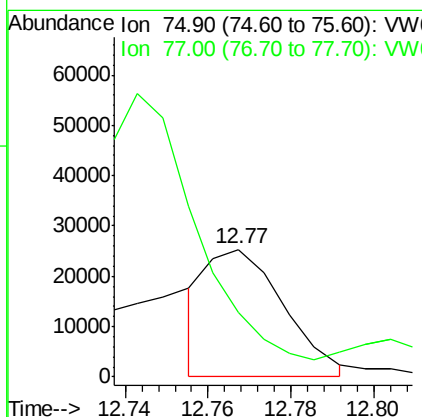
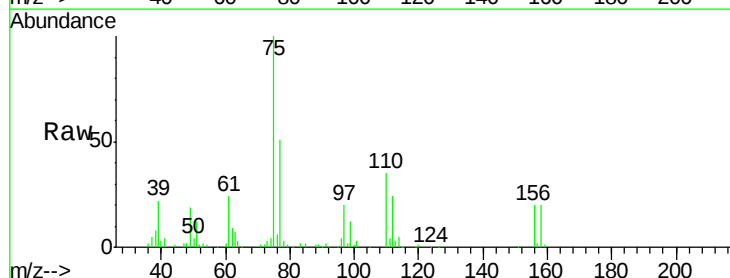
RT: 12.77 min Scan# 1782

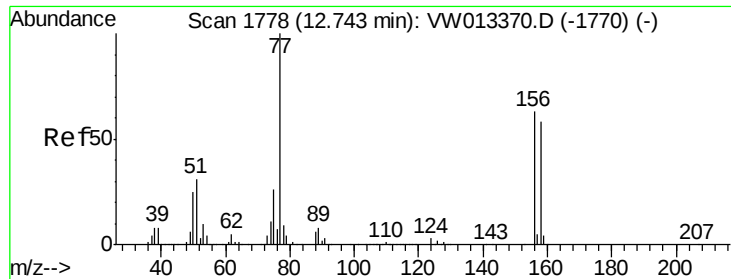
Delta R.T. 0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Tgt Ion:	75	Resp:	33023
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.753 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion:156 Resp: 58469

Ion Ratio Lower Upper

156 100

77 176.0 85.7 257.1

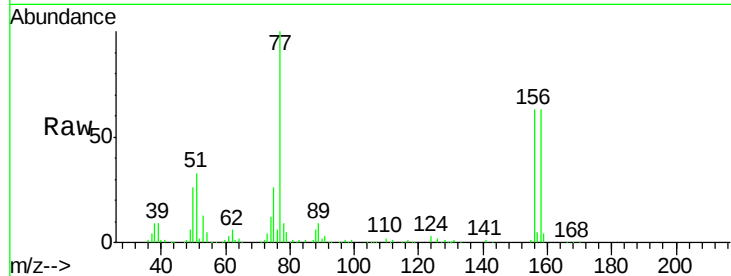
158 99.1 48.1 144.4

Manual Integrations

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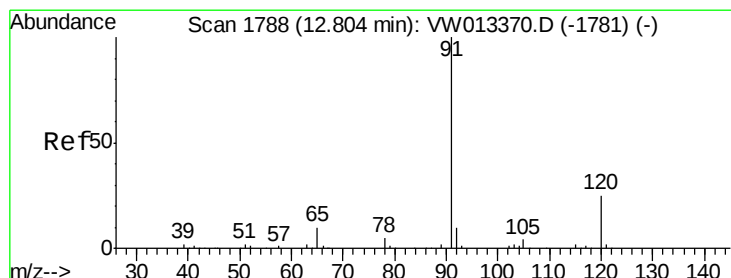
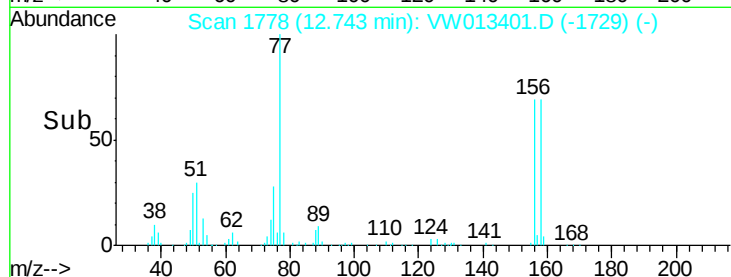
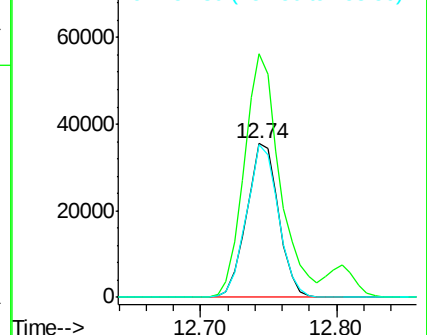
10/4/2019 12:10:59 PM



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: 20.819 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013401.D

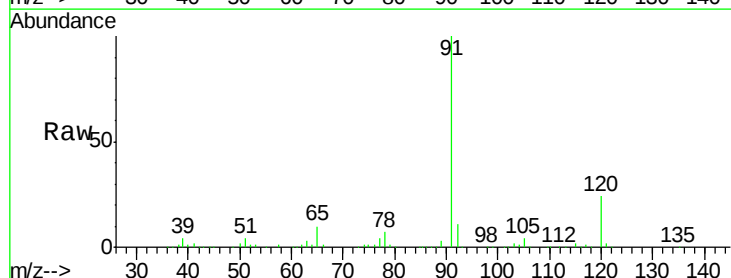
Acq: 03 Oct 2019 03:18

Tgt Ion: 91 Resp: 295210

Ion Ratio Lower Upper

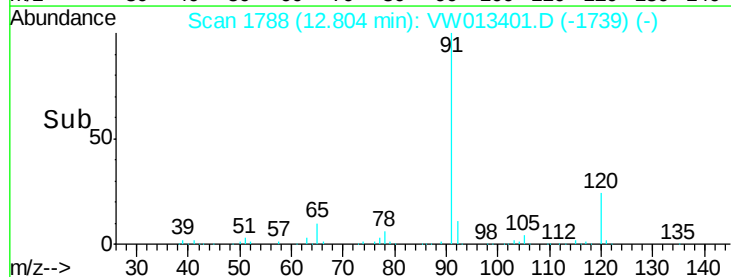
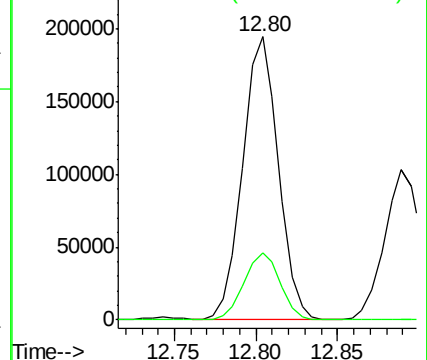
91 100

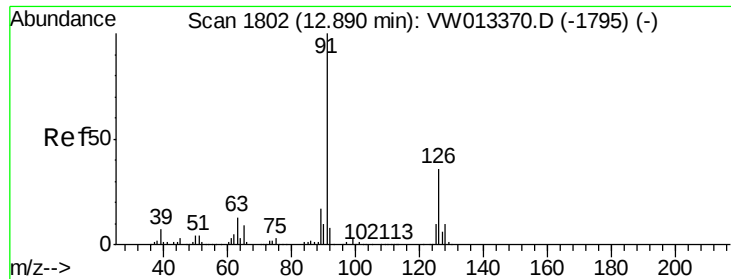
120 24.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.577 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampled :

VW1002SBS02

Tot Ion: 91 Resp: 162064

Ion Ratio Lower Upper

91 100

126 35.1

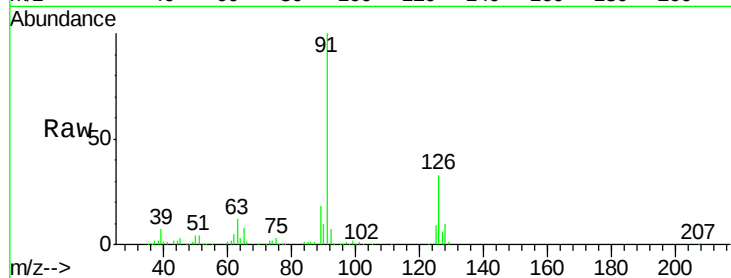
17.2 51.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

120000

100000

80000

60000

40000

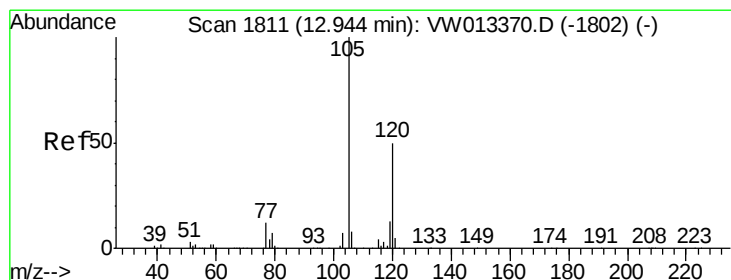
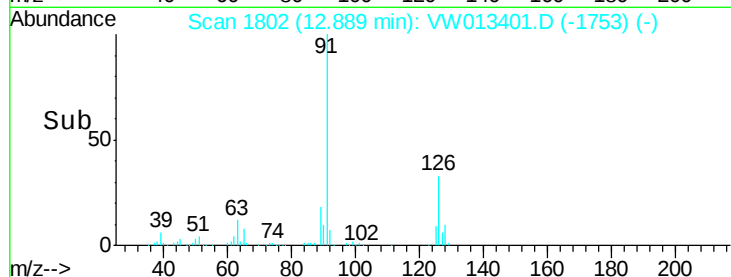
20000

0

12.85

12.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.822 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

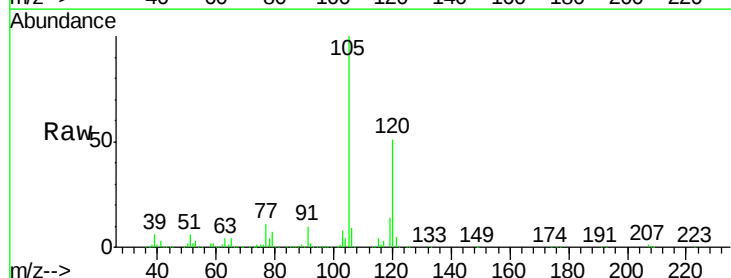
Tgt Ion:105 Resp: 213218

Ion Ratio Lower Upper

105 100

120 50.6

24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

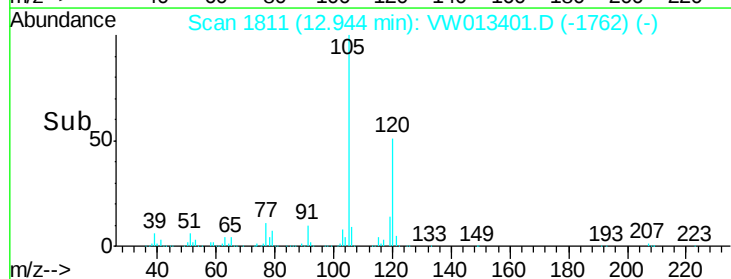
50000

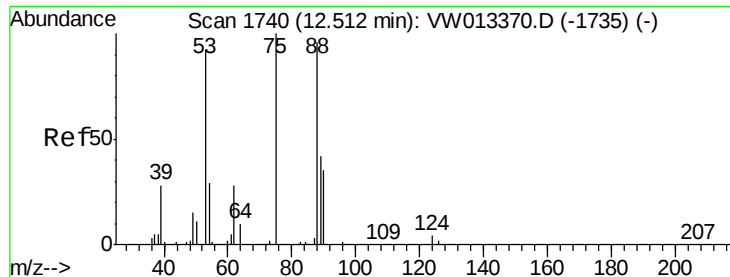
0

12.90

13.00

Time-->





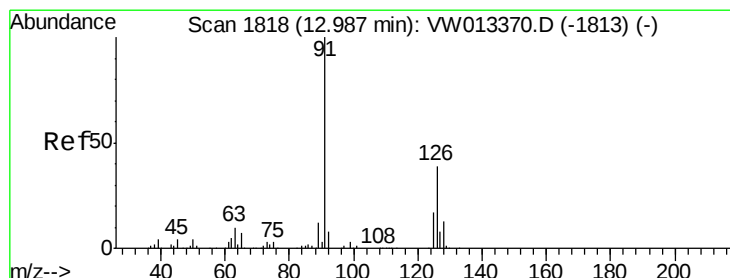
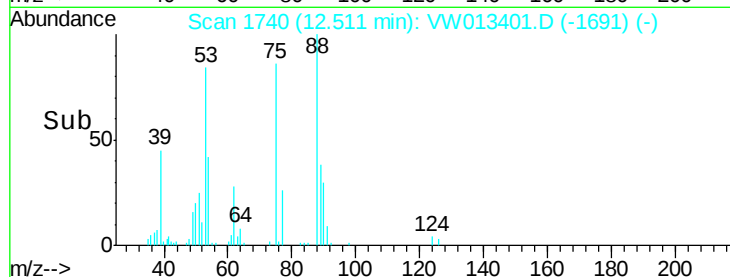
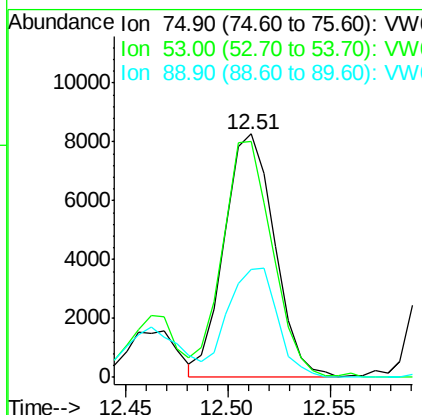
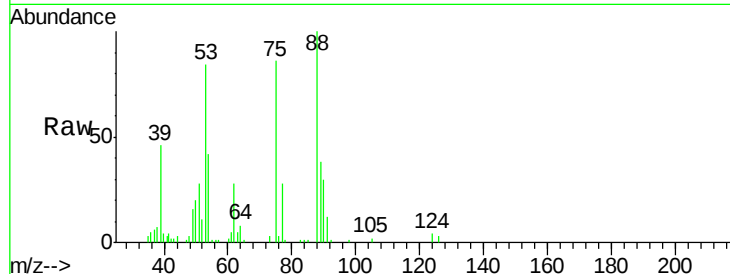
#81
trans-1,4-Dichloro-2-butene
Concen: 22.579 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	76.6	114.8
89	44.1	33.5	50.3

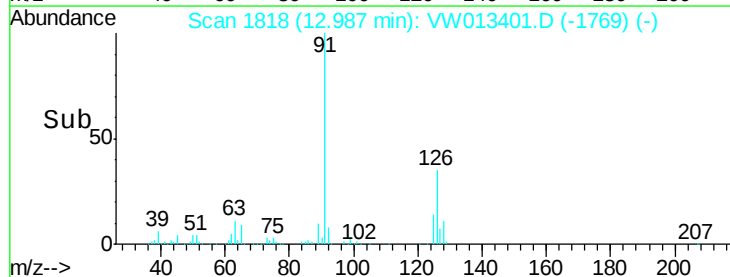
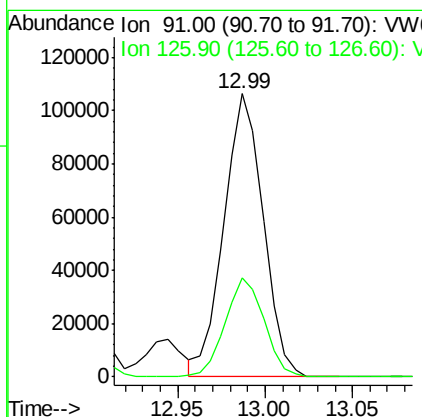
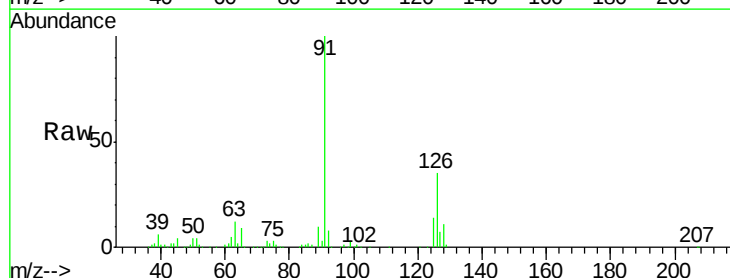
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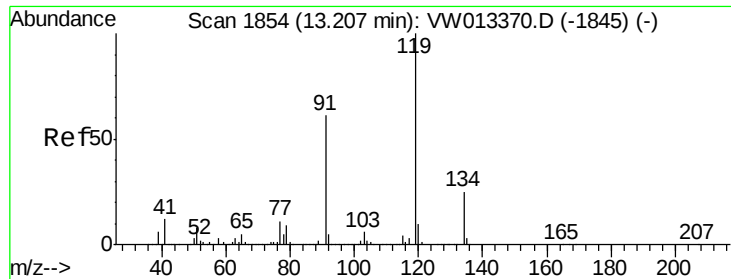
MMDadoda
10/4/2019 12:10:59 PM



#82
4-Chlorotoluene
Concen: 20.093 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	51.7





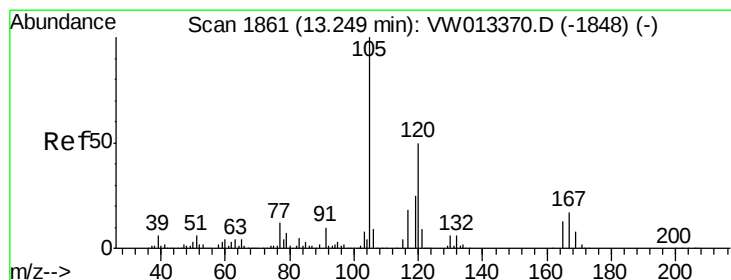
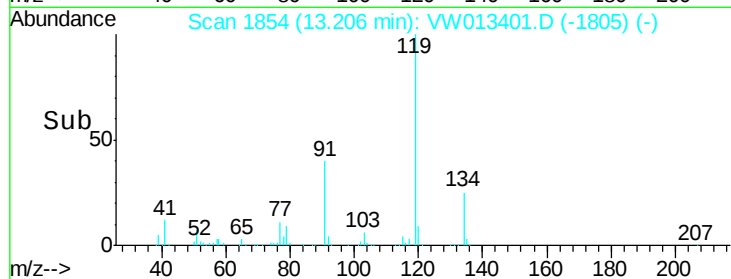
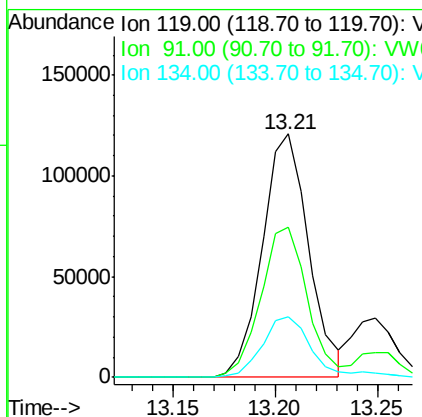
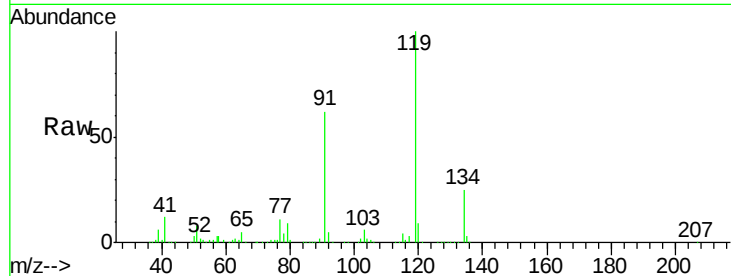
#83
tert-Butylbenzene
Concen: 21.405 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.7	92.1
134	27.0	12.6	37.6

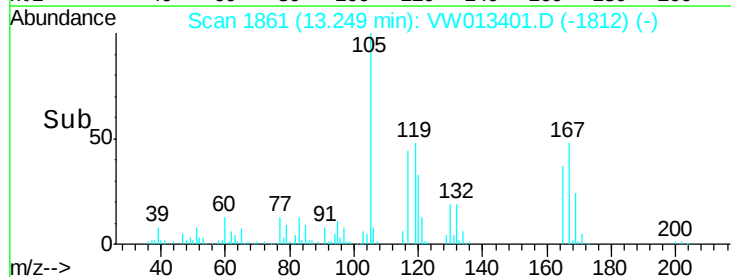
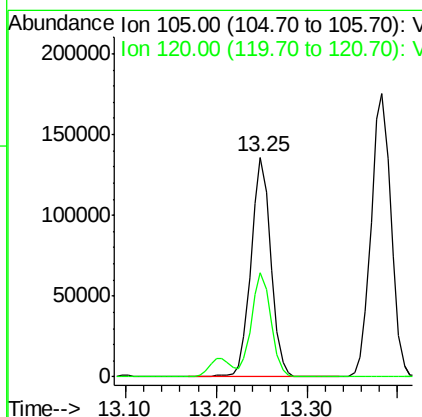
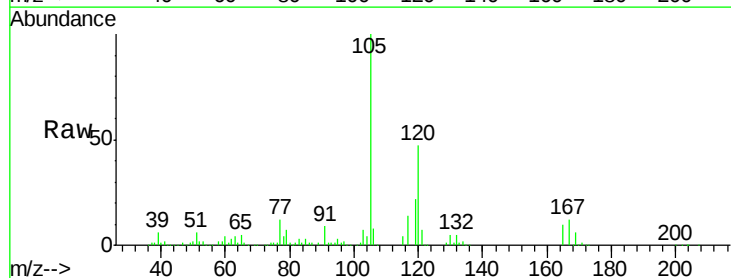
Manual Integrations
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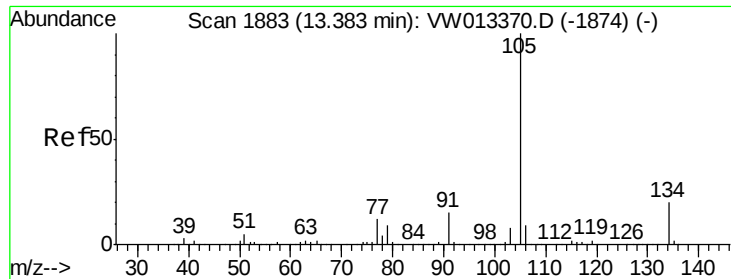
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.290 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 21.651 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion:105 Resp: 266997

Ion Ratio Lower Upper

105 100

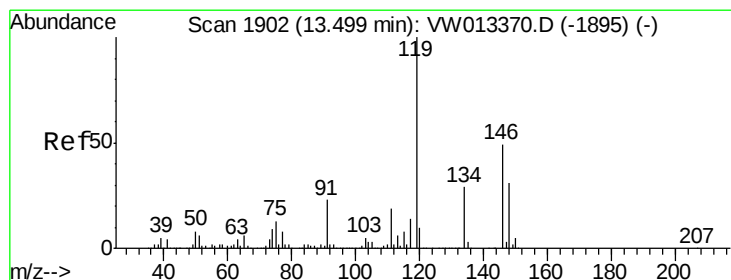
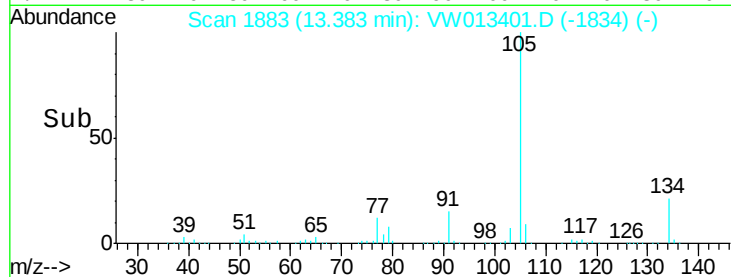
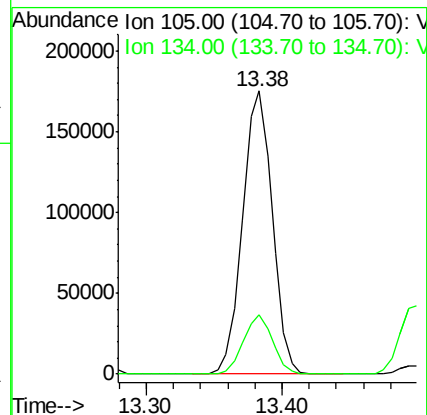
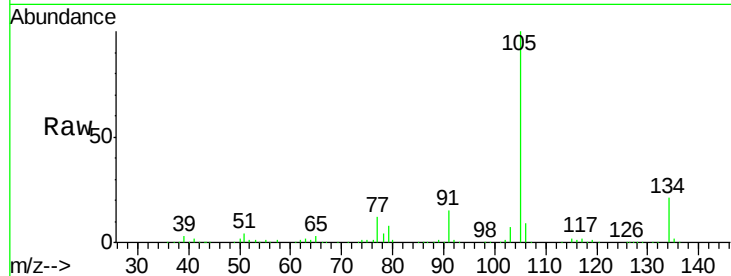
134 20.6 10.3 30.8

Manual Integrations

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10/4/2019 12:10:59 PM



#86

p-Isopropyltoluene

Concen: 21.252 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013401.D

Acq: 03 Oct 2019 03:18

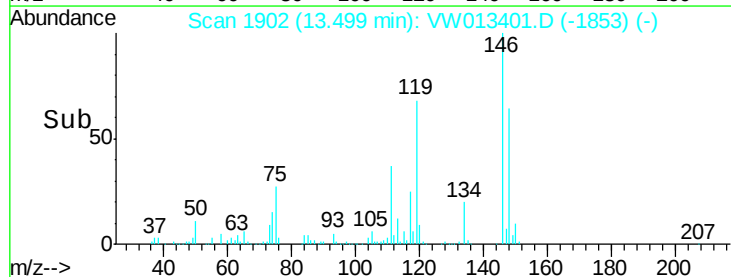
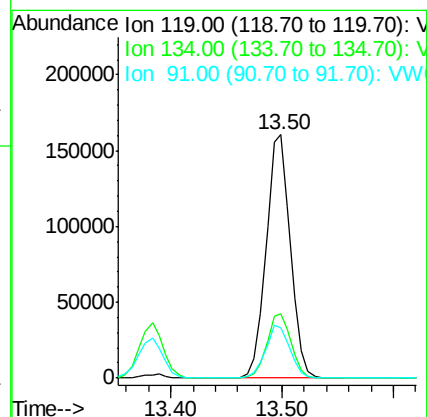
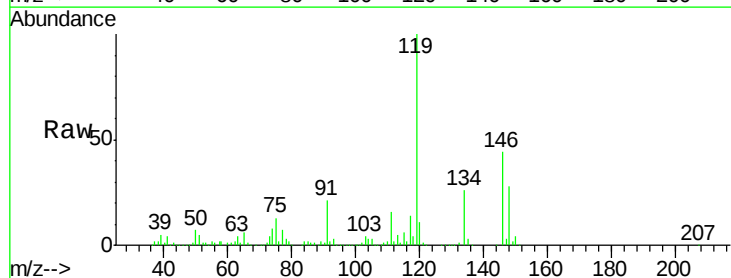
Tgt Ion:119 Resp: 242882

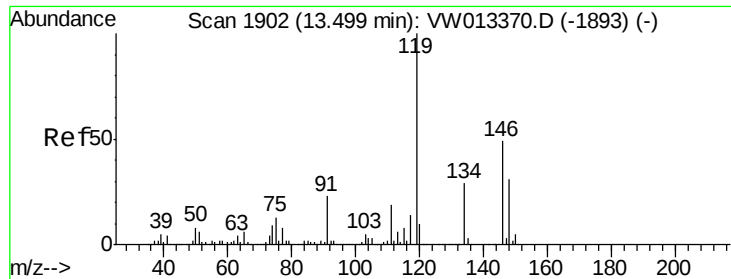
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 21.8 10.8 32.4





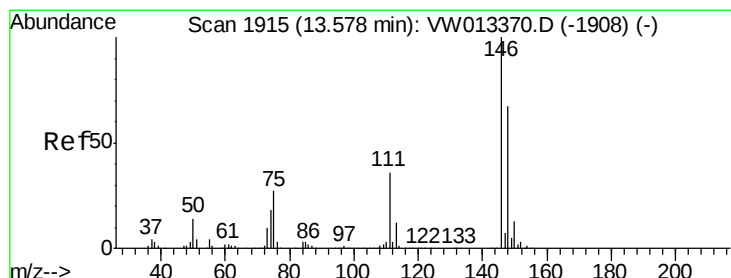
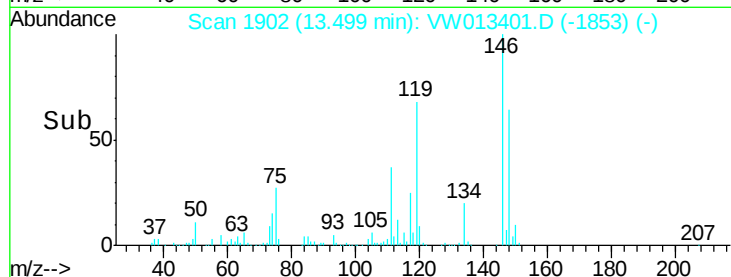
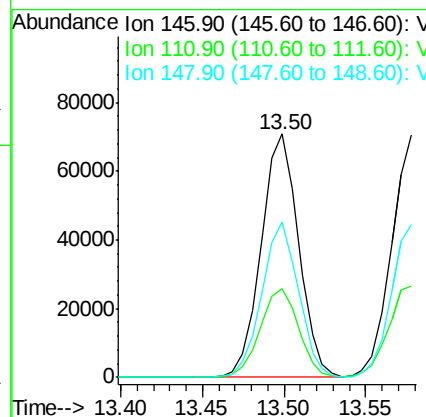
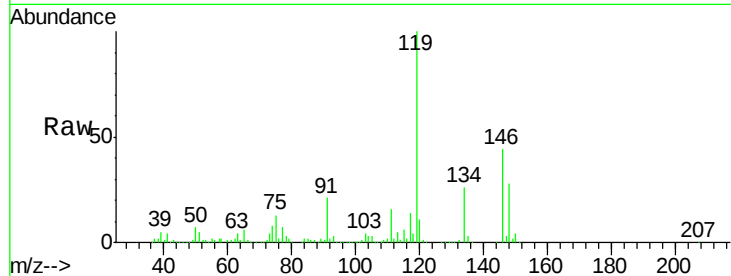
#87
 1,3-Dichlorobenzene
 Concen: 20.227 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	62.8	31.9	95.5

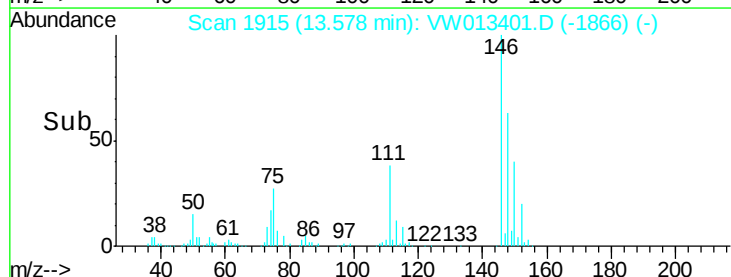
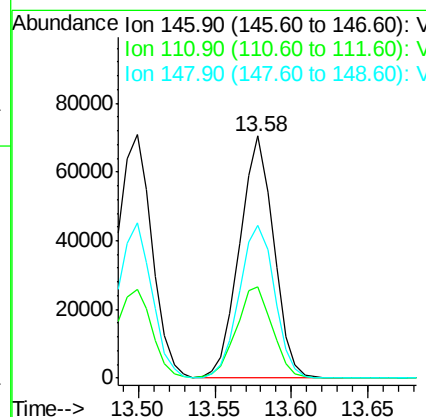
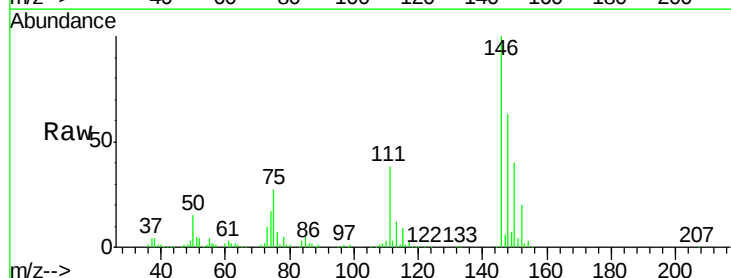
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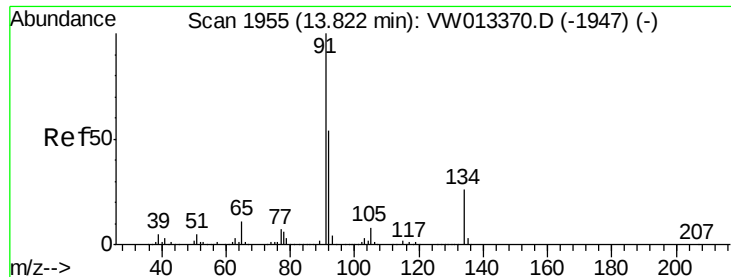
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#88
 1,4-Dichlorobenzene
 Concen: 19.619 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.4	55.0
148	65.4	32.1	96.3





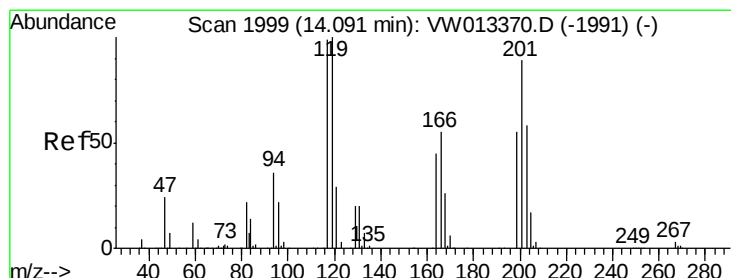
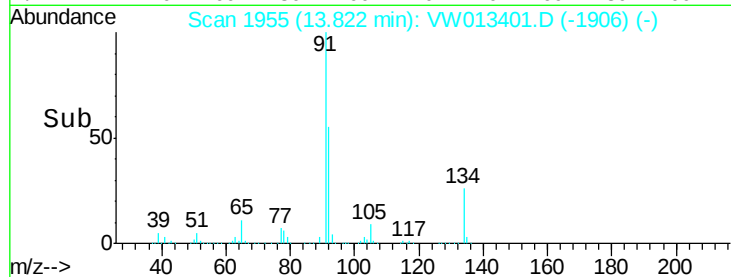
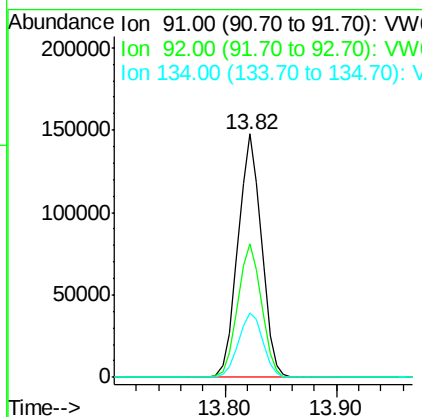
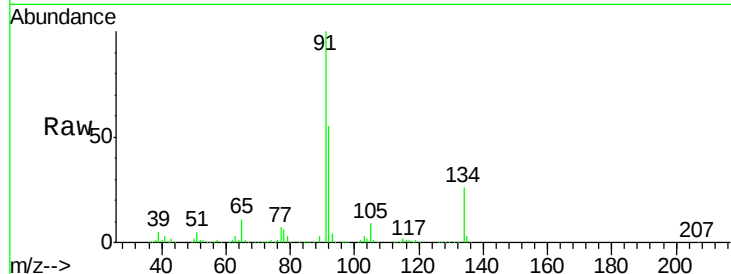
#89
n-Butylbenzene
Concen: 20.947 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	215831		
92	55.4		27.6	82.8
134	27.3		13.7	41.1

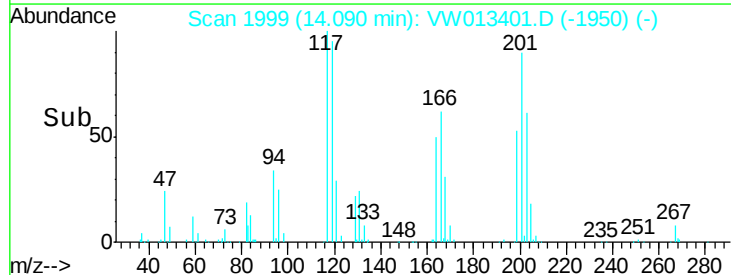
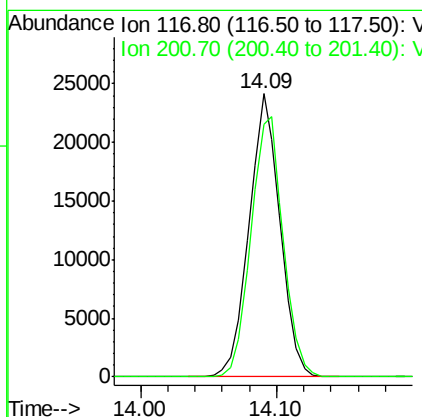
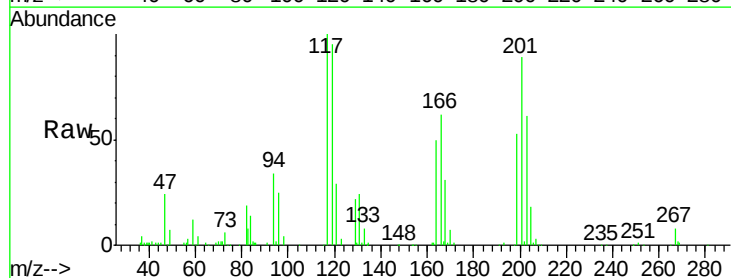
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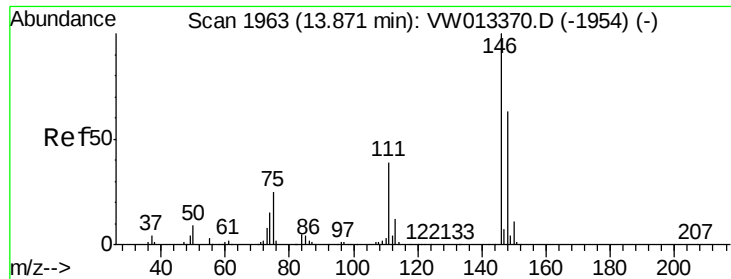
MMDadoda
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#90
Hexachloroethane
Concen: 20.360 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38443		
201	95.4		44.5	133.5





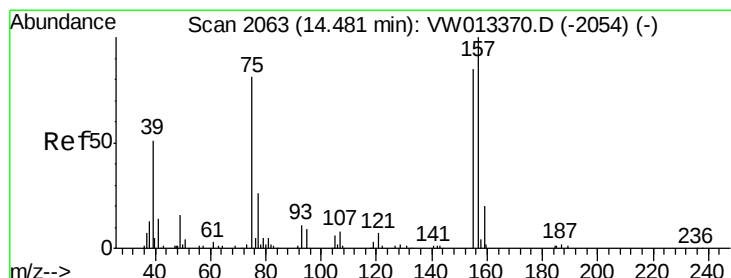
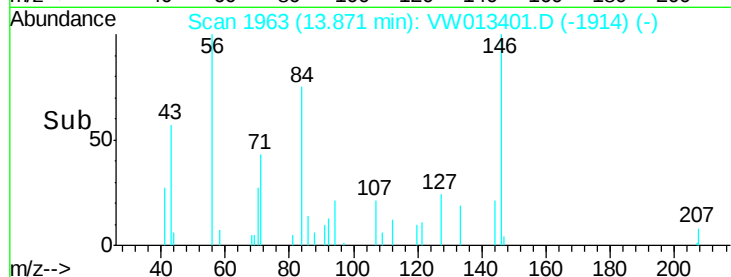
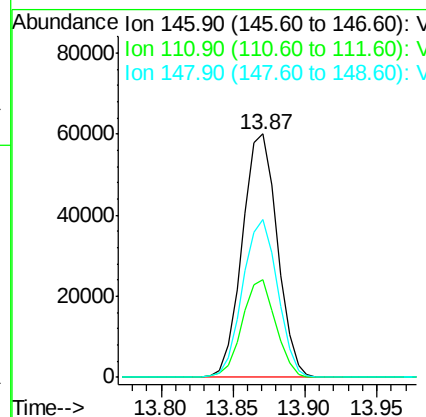
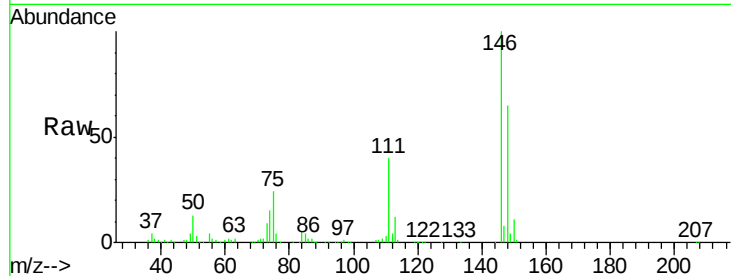
#91
 1,2-Dichlorobenzene
 Concen: 20.566 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.3
148	64.8	32.0	96.0

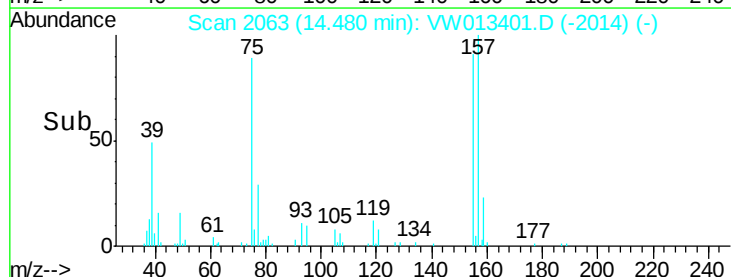
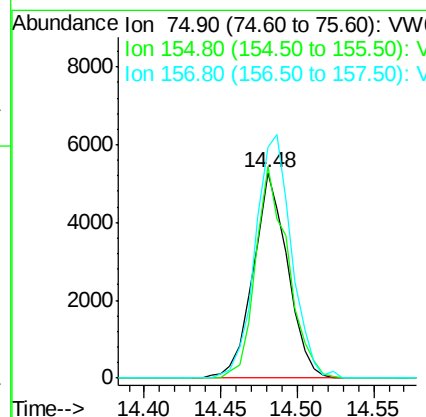
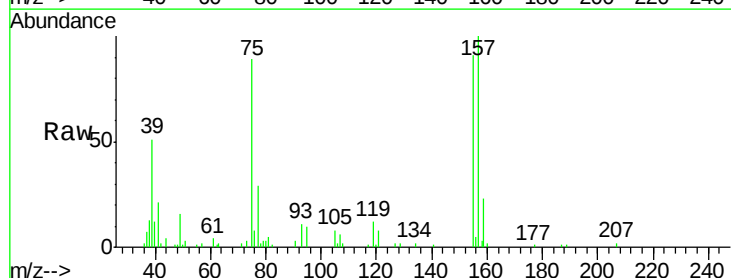
Manual Integrations
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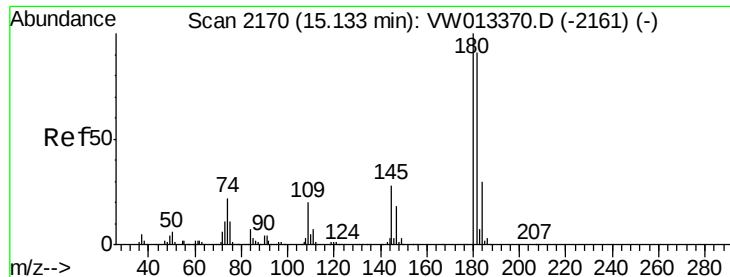
MMDadoda
 10/4/2019 12:10:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.394 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	46.1	138.3
157	124.9	60.4	181.2





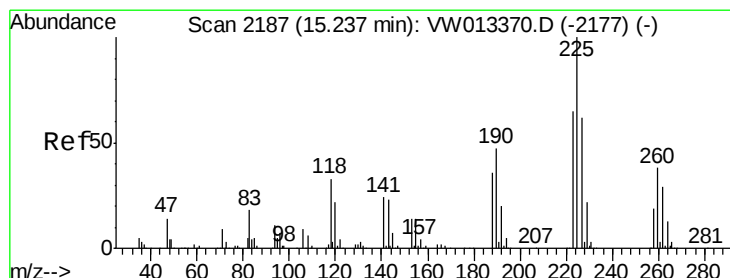
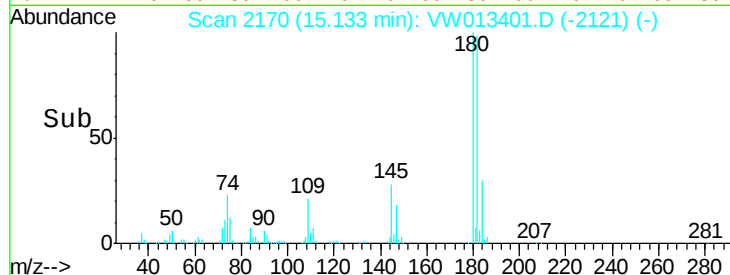
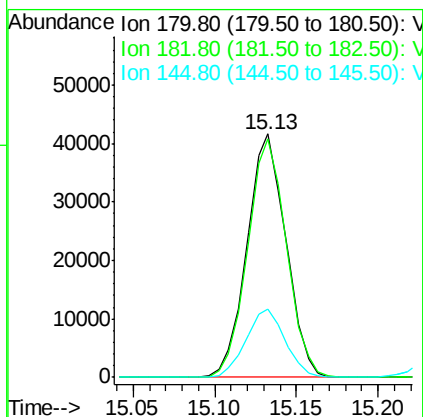
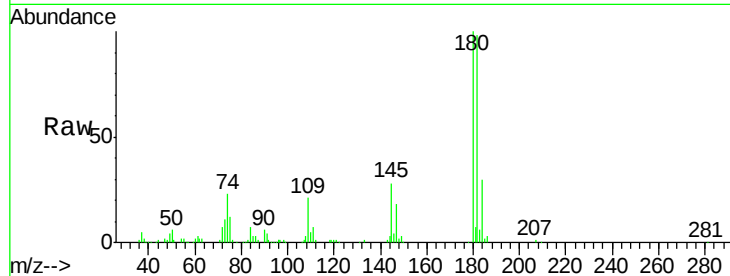
#93
 1,2,4-Trichlorobenzene
 Concen: 19.554 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	142.0
145	28.1	14.2	42.8

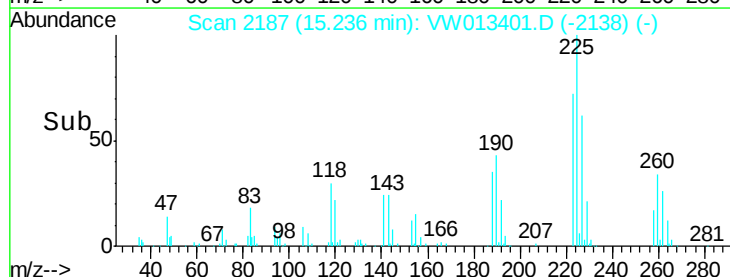
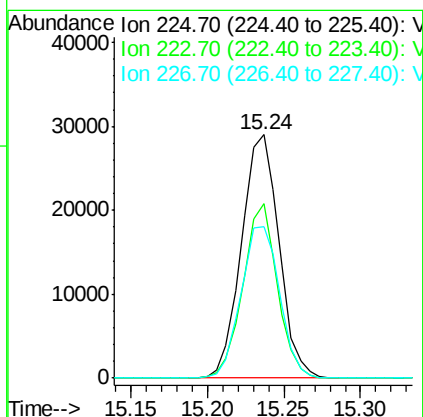
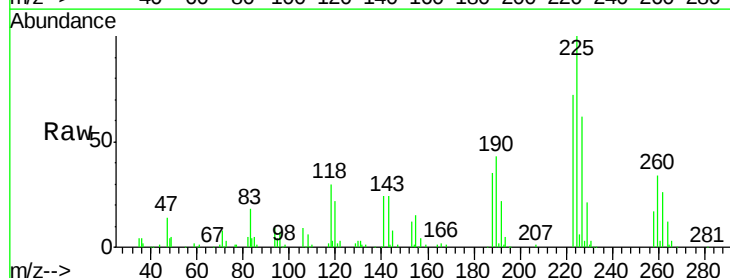
Manual Integrations
 APPROVED

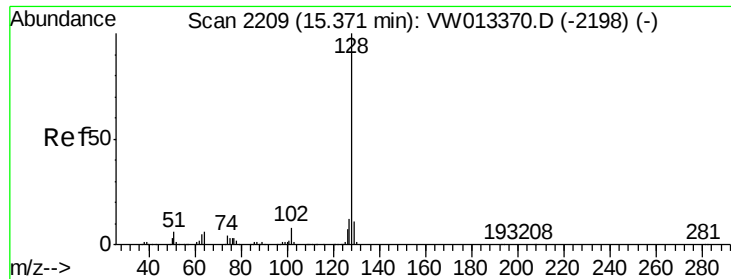
MMDadoda
 10/4/2019 12:10:59 PM



#94
 Hexachlorobutadiene
 Concen: 21.516 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013401.D
 Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	30.6	91.8
227	64.2	31.9	95.9





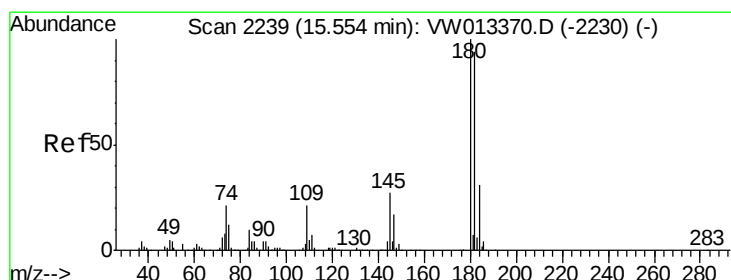
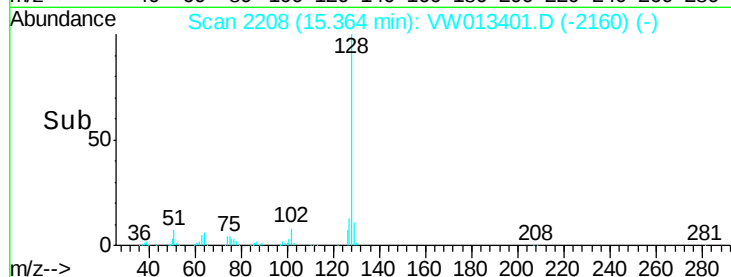
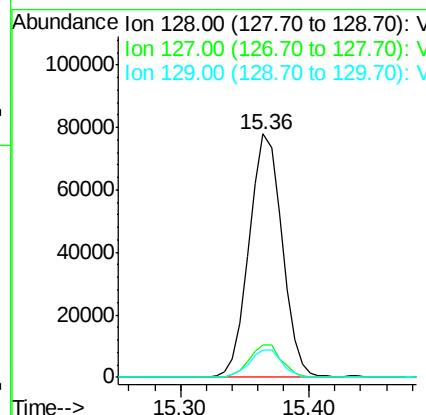
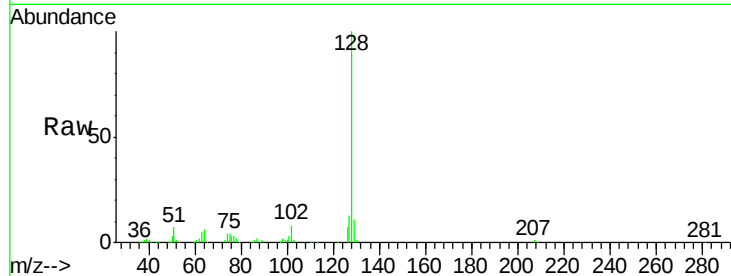
#95
Naphthalene
Concen: 23.166 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:10:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.200 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013401.D
Acq: 03 Oct 2019 03:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.7
145	30.2	15.0	45.0

